

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED ANCHOR DETAILS	03/28/2025	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, 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” 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. 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 UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16” OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 5/8”.
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: EXTRUDED ALUMINU.
11. UNITS MUST BE GLAZED PER ASTM E1300 WITH SAFETY GLAZING.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE 5/16” LAG SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/8” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING INTO MASONRY/CONCRETE USE 5/16” ELCO ULTRACON 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 5/16” 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.A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 17.D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI WITH WOOD BACKING OR 1/4” THICK STRUCTURAL STEEL.

SIGNED: 06/03/2025

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6 – 9	INSTALLATION DETAILS
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NANA WALL SYSTEMS, INC.
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

CERO III STANDARD SLIDING GLASS DOOR
NON-IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08-03971B

REV
B

SCALE NTS

DATE 12/19/23

SHEET 1 OF 10

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

LUIS R. LOMAS

LICENSE

No. 62514

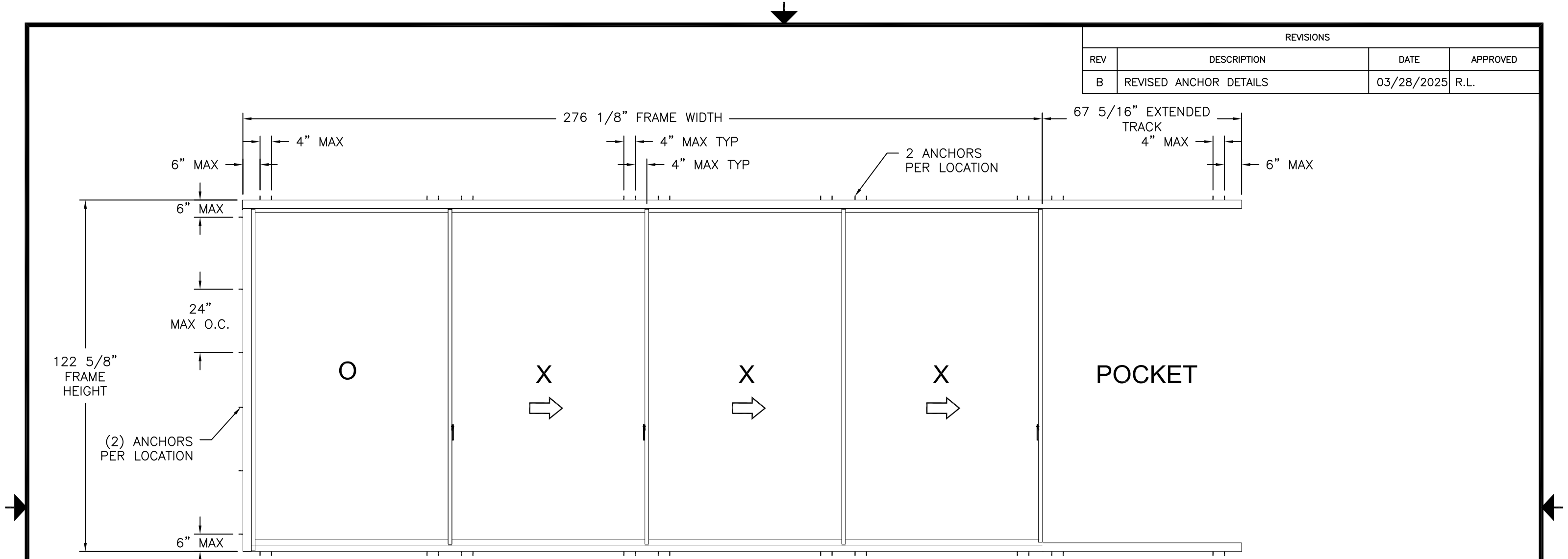
STATE OF

FLORIDA

PROFESSIONAL ENGINEER

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

REVISIONS			
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CERO III NON-REINFORCED SGD WITH CLUSTER ANCHORING
INTERIOR VIEW
MULTIPLE PANELS IN MULTIPLE CONFIGURATIONS AND TRACKS APPROVED AS LONG
AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 56.49 FT²

DESIGN PRESSURE RATING	IMPACT RATING
±40.0PSF	NONE

- NOTES:
- PANEL SIZE: 68 7/8" X 118 1/8"
 - D.L.O.: 67 5/16" X 115"
 - (2) ROLLER SYSTEM BY SOLARLUX AT EACH CORNER OF PANELS
 - (2) TWO POINT LOCK AT EACH SIDE OF EACH PANEL IF POSSIBLE WITH TRACK LAYOUT.

Chart #1
Design pressure rating (psf)

Panel Height (in)	Single Panel Width (in)																							
	48.00		54.00		60.00		66.00		68.88		72.00		78.00		84.00		88.00		92.00		96.00		100.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.1	59.1	56.5	56.5	52.2	52.2	48.4	48.4	46.2	46.2	44.2	44.2	42.4	42.4	40.7	40.7
84.00	60.0	60.0	60.0	60.0	60.0	60.0	58.7	58.7	56.3	56.3	53.8	53.8	49.7	49.7	46.1	46.1	44.0	44.0	42.1	42.1	40.4	40.4	-	-
90.00	60.0	60.0	60.0	60.0	60.0	60.0	54.8	54.8	52.5	52.5	50.2	50.2	46.4	46.4	43.0	43.0	41.1	41.1	-	-	-	-	-	-
96.00	60.0	60.0	60.0	60.0	56.5	56.5	51.4	51.4	49.2	49.2	47.1	47.1	43.5	43.5	40.4	40.4	-	-	-	-	-	-	-	-
102.00	60.0	60.0	56.9	56.9	53.2	53.2	48.3	48.3	46.3	46.3	44.3	44.3	40.9	40.9	-	-	-	-	-	-	-	-	-	-
108.00	57.2	57.2	52.7	52.7	49.3	49.3	45.7	45.7	43.8	43.8	41.9	41.9	-	-	-	-	-	-	-	-	-	-	-	-
114.00	53.4	53.4	49.1	49.1	45.7	45.7	43.1	43.1	41.4	41.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
118.13	51.0	51.0	46.9	46.9	43.6	43.6	41.0	41.0	40.0	40.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120.00	50.0	50.0	45.9	45.9	42.2	42.2	39.2	39.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126.00	43.6	43.6	39.4	39.4	36.1	36.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132.00	37.7	37.7	34.0	34.0	31.1	31.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.00	32.8	32.8	29.6	29.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144.00	28.8	28.8	25.9	25.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150.00	25.4	25.4	22.8	22.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156.00	22.5	22.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
162.00	20.0	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
168.00	17.9	17.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NANA WALL SYSTEMS, INC.
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

CERO III STANDARD SLIDING GLASS DOOR
NON-IMPACT
ELEVATION

DRAWN:
R.L.

DWG NO.
08-03971B

REV
B

SCALE
NTS

DATE
12/19/23

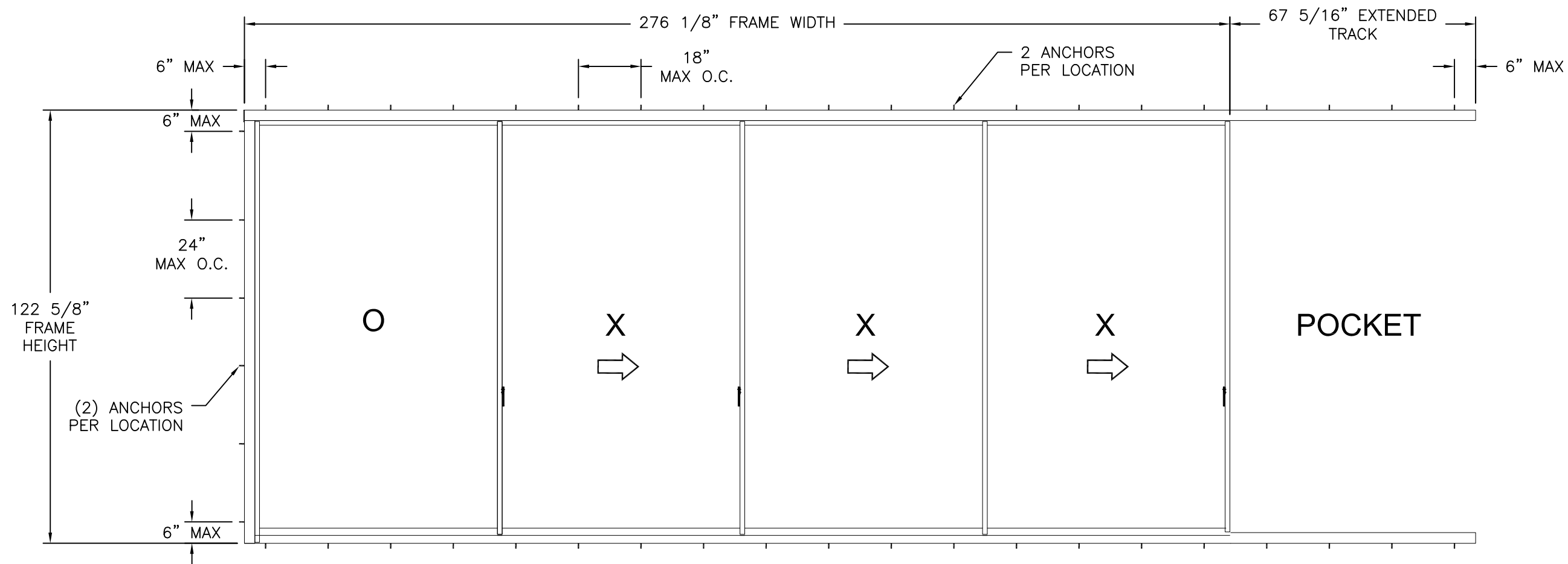
SHEET
2 OF 10

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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 06/03/2025

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

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CERO III NON-REINFORCED SGD WITH PERIMETER ANCHORING

INTERIOR VIEW

MULTIPLE PANELS IN MULTIPLE CONFIGURATIONS AND TRACKS APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 56.49 FT²

DESIGN PRESSURE RATING	IMPACT RATING
±40.0PSF	NONE

FOR OTHER SIZES RATING REFER TO CHART #1, SHEET 2

NOTES:

- PANEL SIZE: 68 7/8" X 118 1/8"
- D.L.O.: 67 5/16" X 115"
- (2) ROLLER SYSTEM BY SOLARLUX AT EACH CORNER OF PANELS
- (2) TWO POINT LOCK AT EACH SIDE OF EACH PANEL IF POSSIBLE WITH TRACK LAYOUT.

SIGNED: 06/03/2025

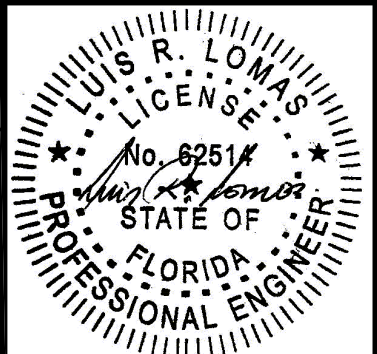
NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

CERO III STANDARD SLIDING GLASS DOOR
NON-IMPACT
ELEVATION

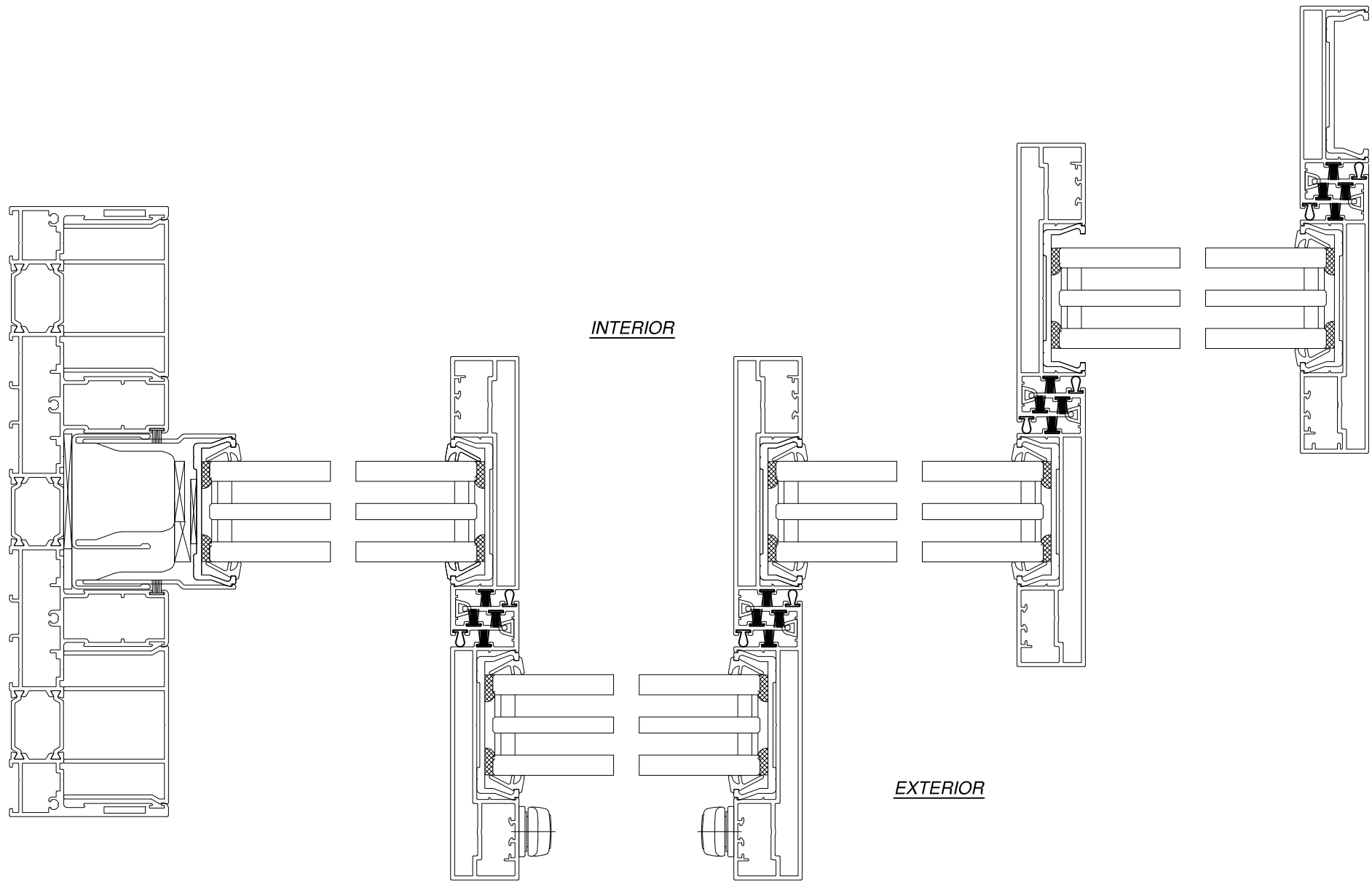
DRAWN: R.L.	DWG NO. 08-03971B	REV B
SCALE NTS	DATE 12/19/23	SHEET 3 OF 10

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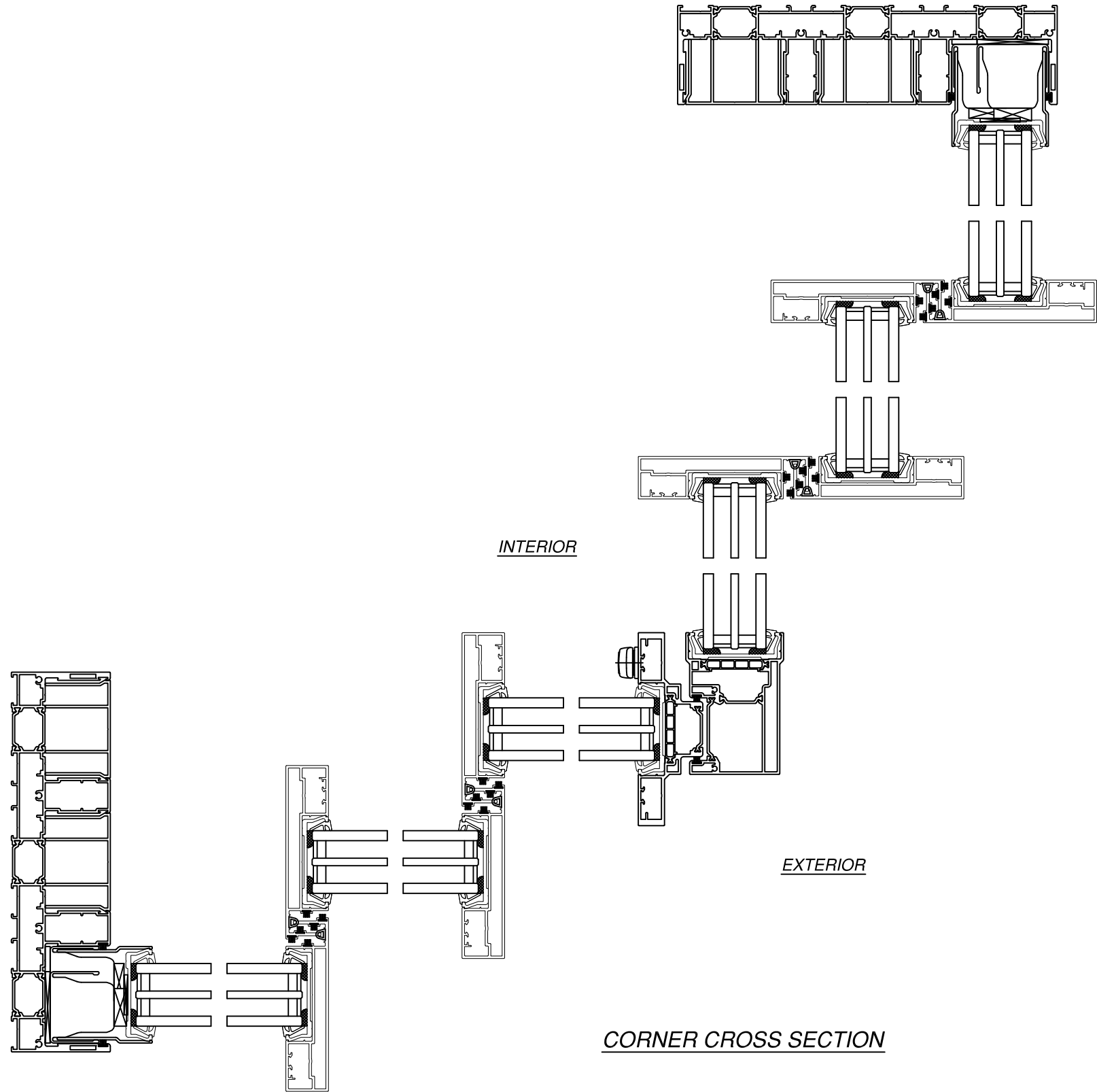


HORIZONTAL CROSS SECTION

SIGNED: 06/03/2025

NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
CERO III STANDARD SLIDING GLASS DOOR NON-IMPACT CROSS SECTIONS		
DRAWN: R.L.	DWG NO. 08-03971B	REV B
SCALE NTS	DATE 12/19/23	SHEET 4 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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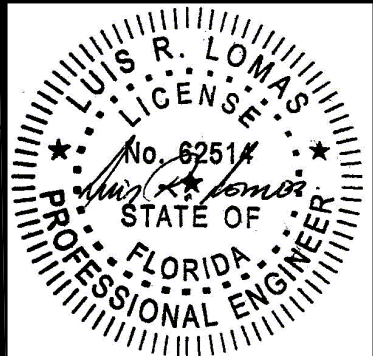
NANA WALL SYSTEMS, INC.
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

CERO III STANDARD SLIDING GLASS DOOR
NON-IMPACT
CROSS SECTIONS

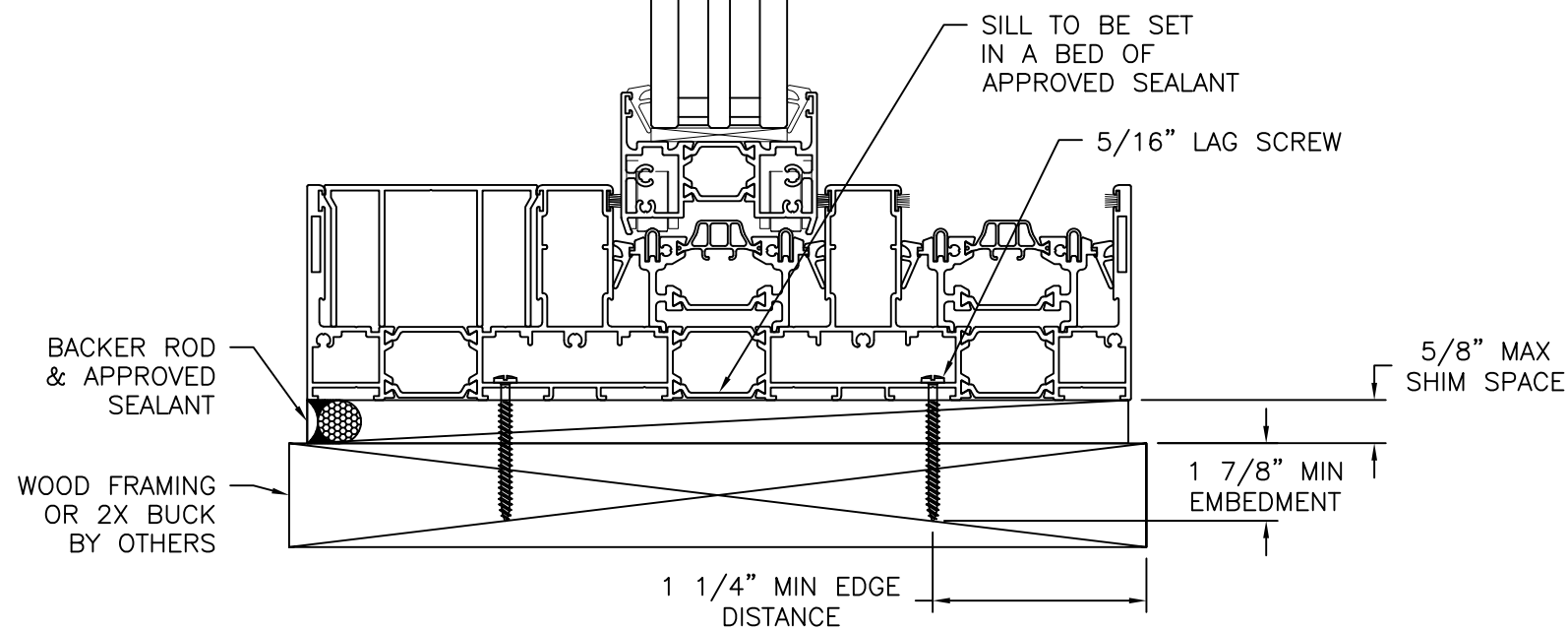
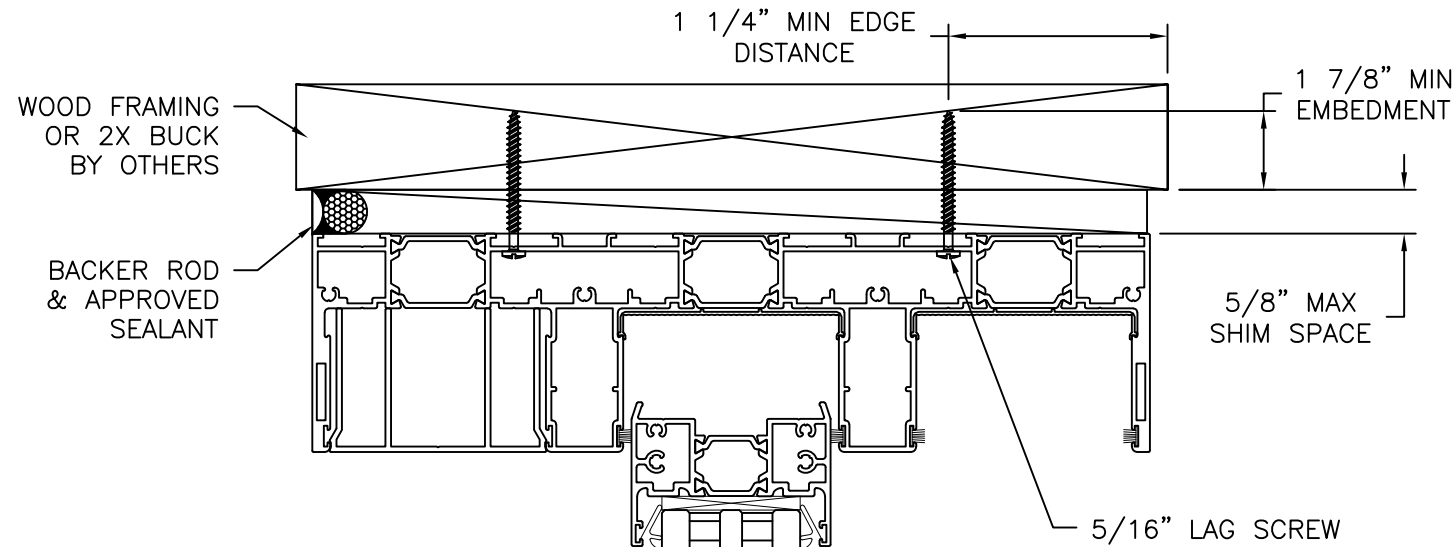
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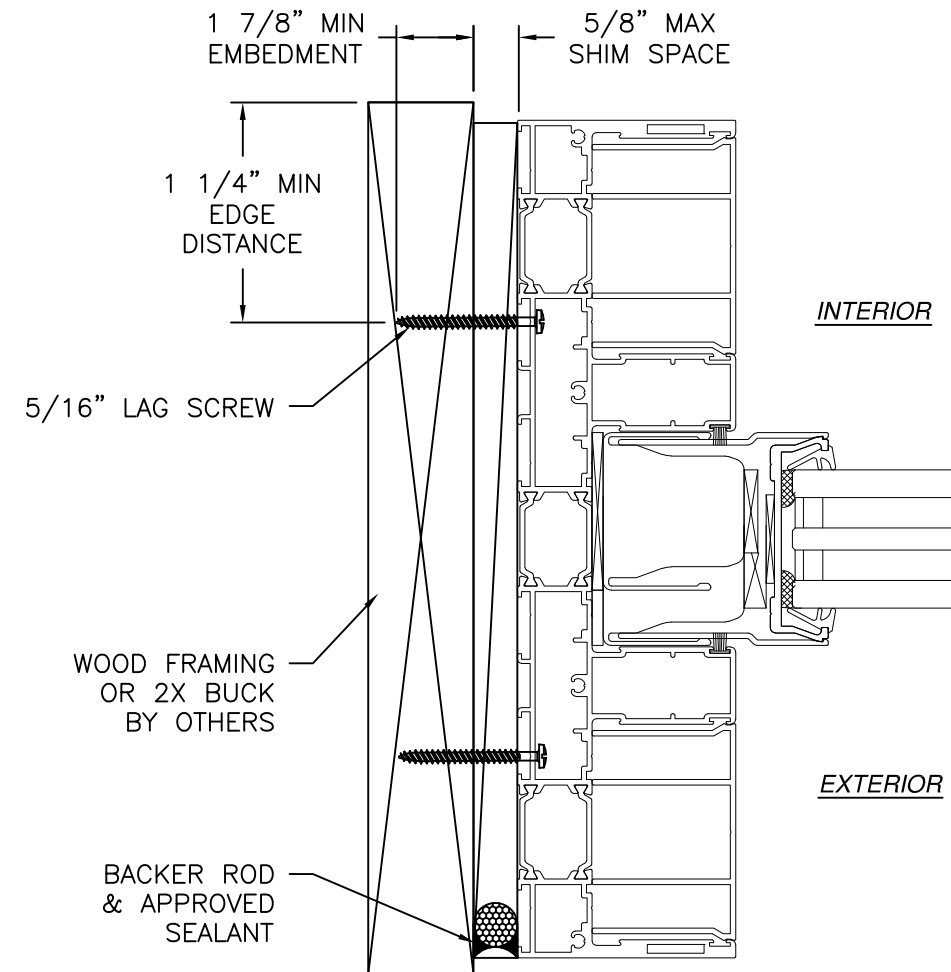
Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
STANDARD SILL SHOWN, OTHER SILLS SIMILAR
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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
 3. WEEPS NOT SHOWN FOR CLARITY

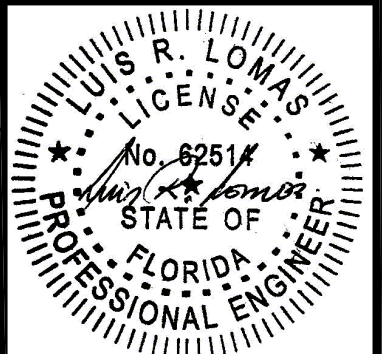
REVISIONS			
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B	REVISED ANCHOR DETAILS	03/28/2025	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

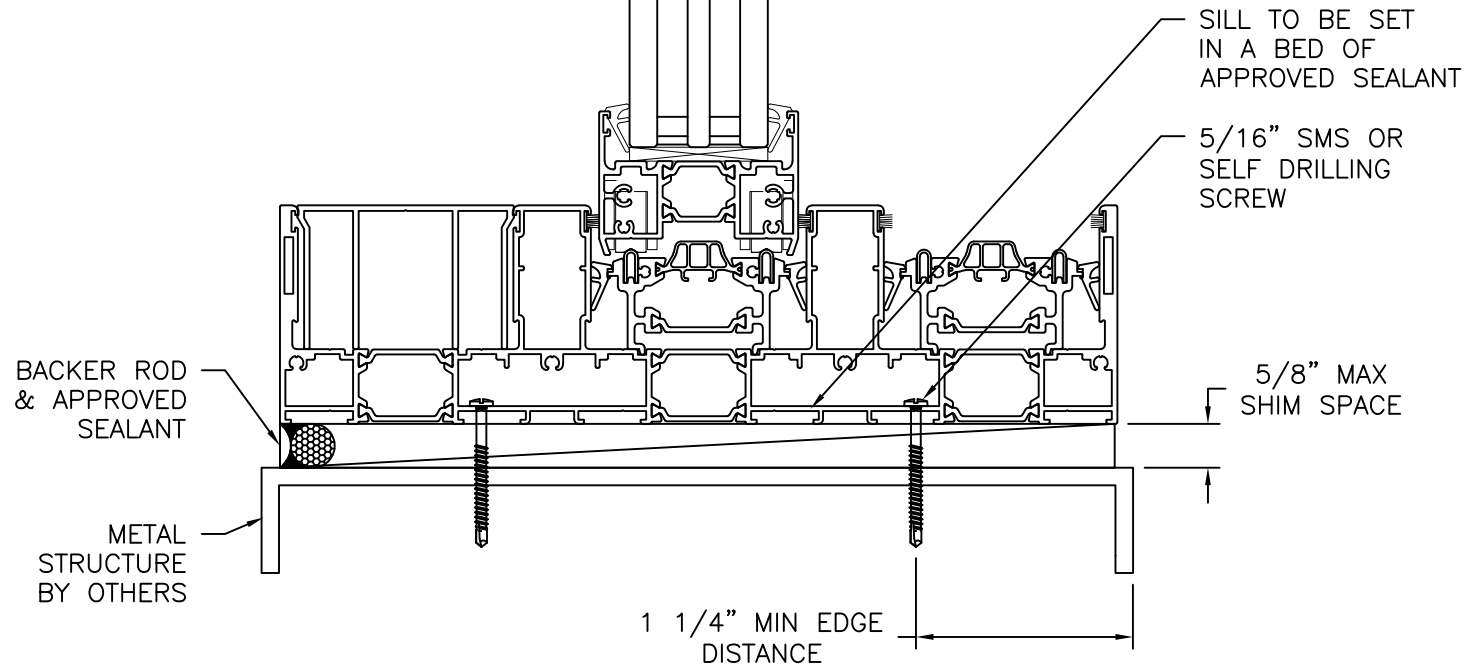
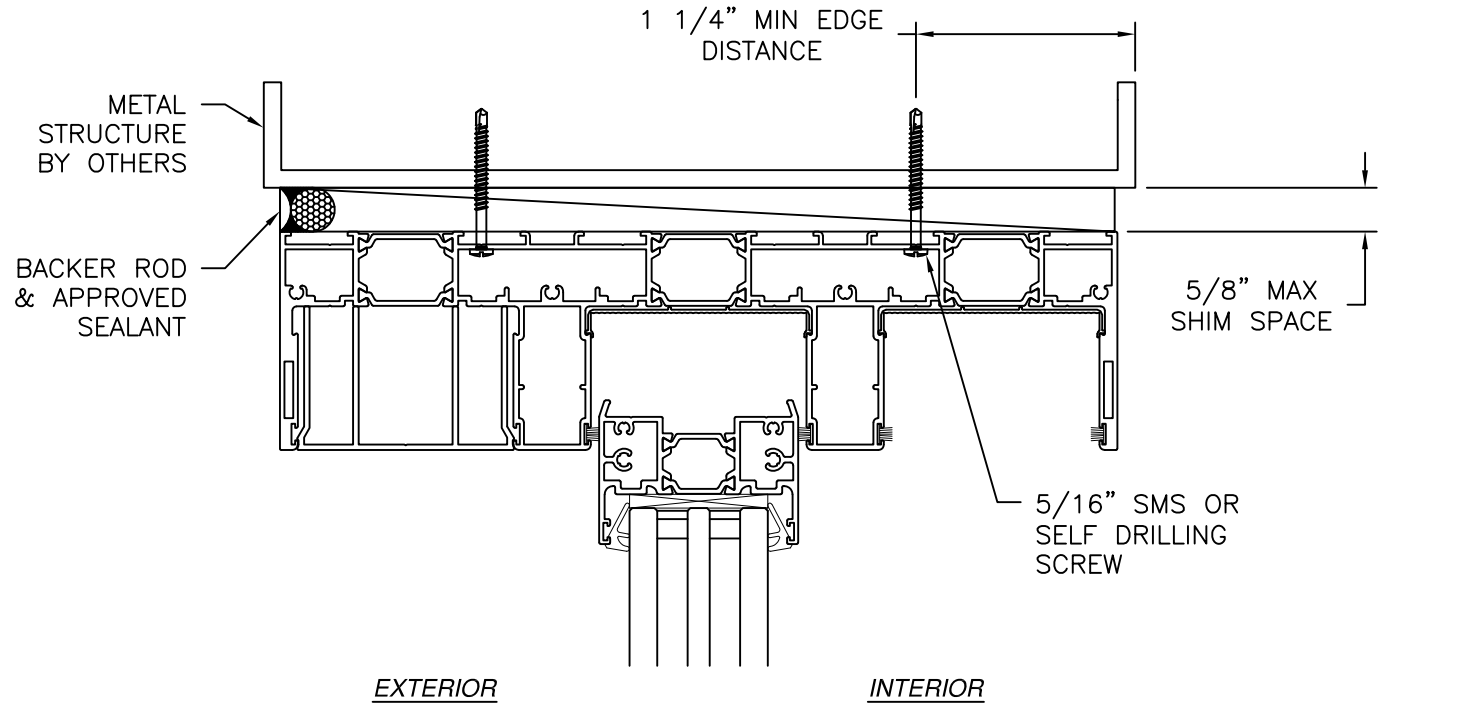
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NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
CERO III STANDARD SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03971B	REV B
SCALE NTS	DATE 12/19/23	SHEET 6 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



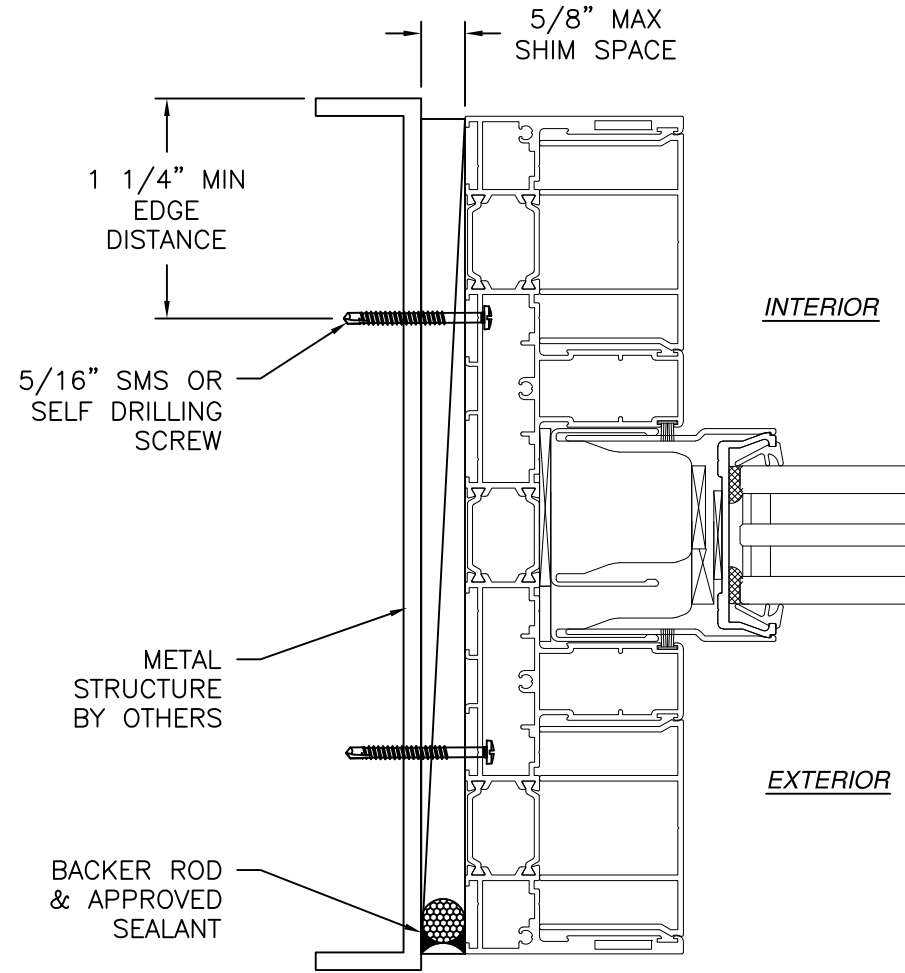
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VERTICAL CROSS SECTION
STANDARD SILL SHOWN, OTHER SILLS SIMILAR
METAL STRUCTURE INSTALLATION

- NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
 3. WEEPS NOT SHOWN FOR CLARITY



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

CERO III STANDARD SLIDING GLASS DOOR
NON-IMPACT
INSTALLATION DETAILS

DRAWN: R.L.

DWG NO. 08-03971B

REV B

SCALE NTS

DATE 12/19/23

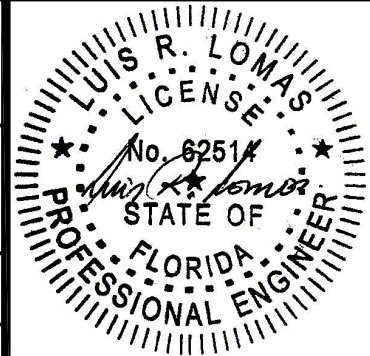
SHEET 7 OF 10

L. ROBERTO LOMAS P.E.

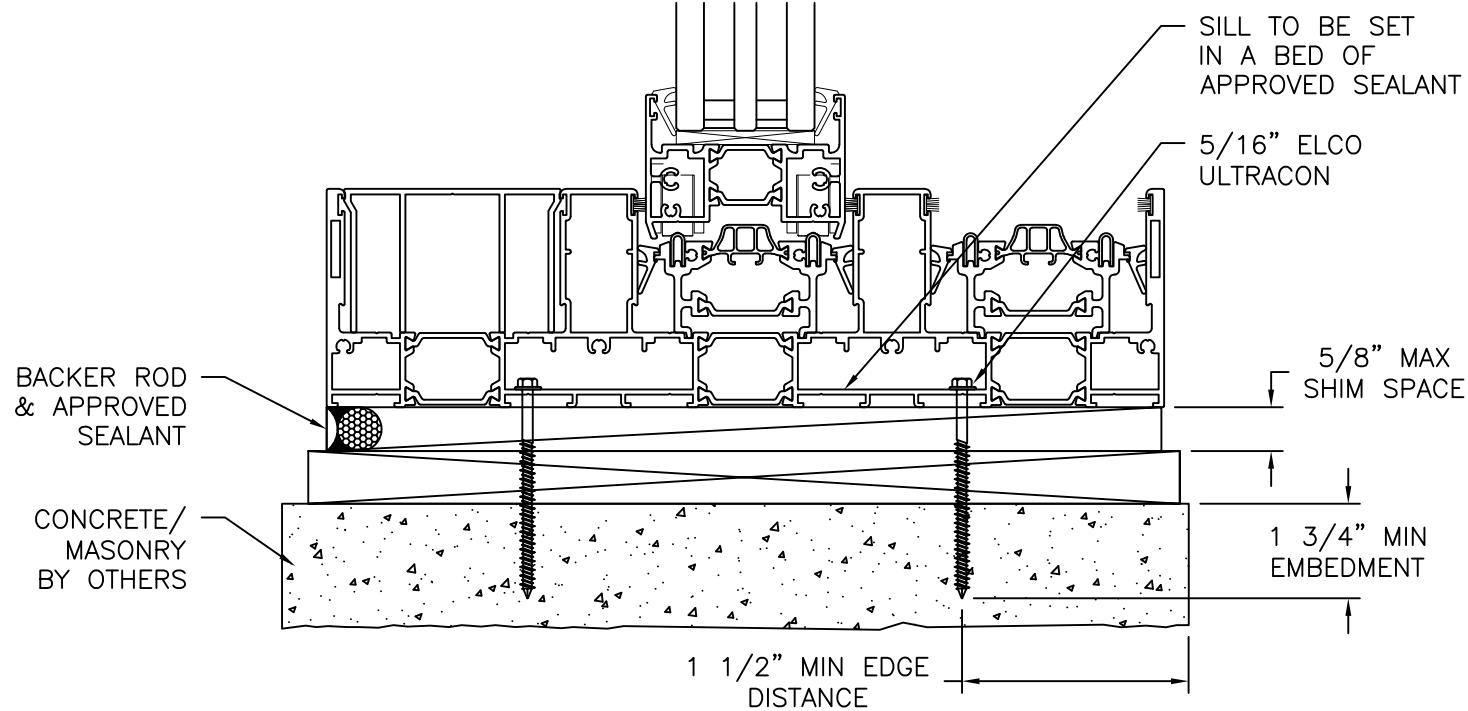
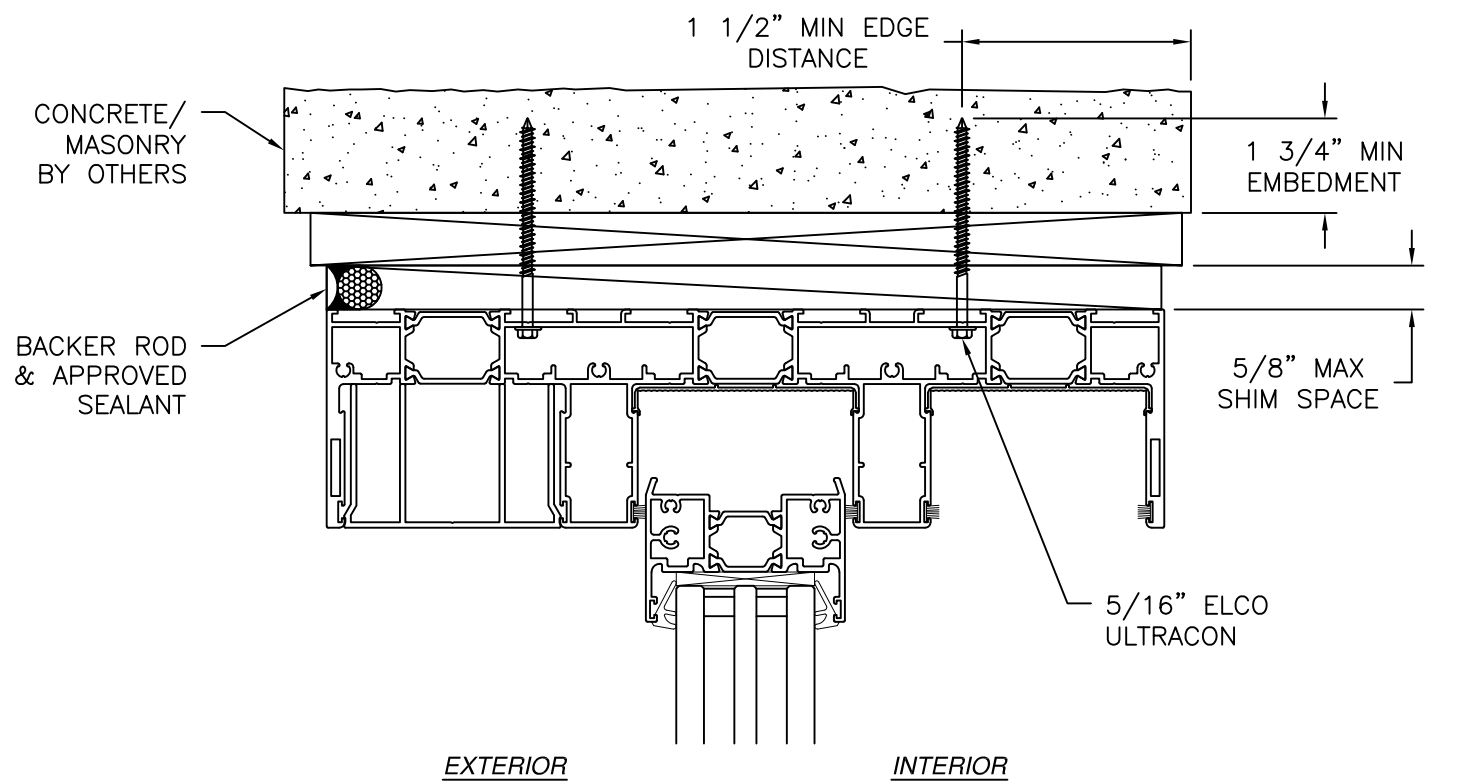
208 7th Ave, INDIALANTIC, FL 32903

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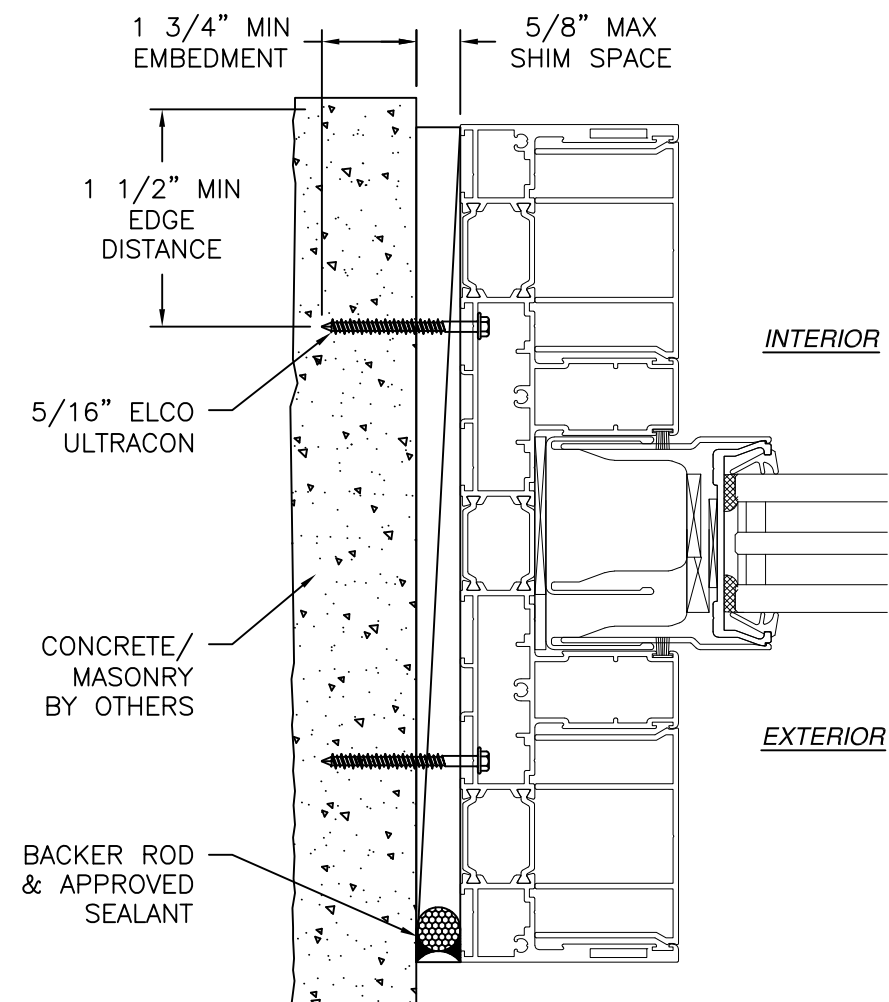
Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
STANDARD SILL SHOWN, OTHER SILLS SIMILAR
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

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 3. WEEPS NOT SHOWN FOR CLARITY

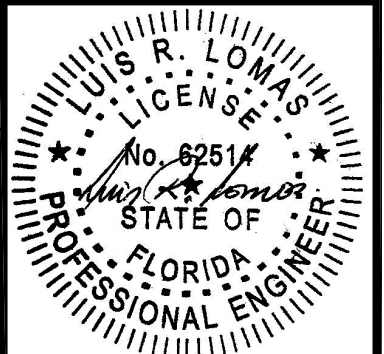
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

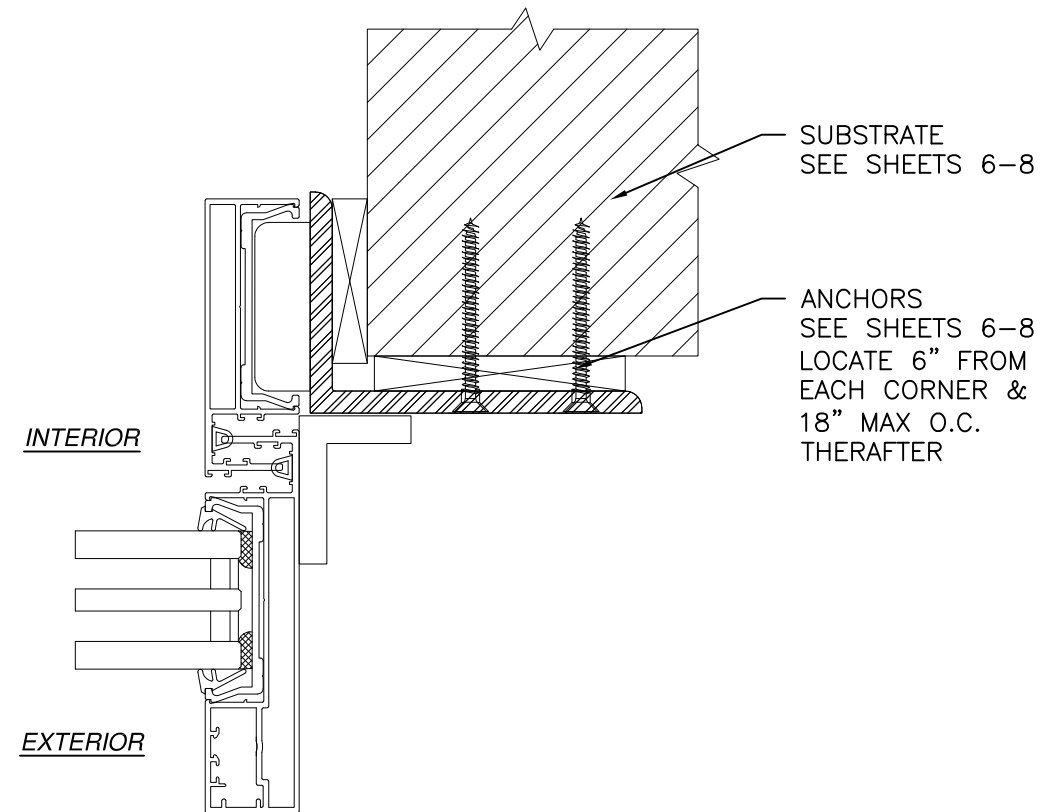
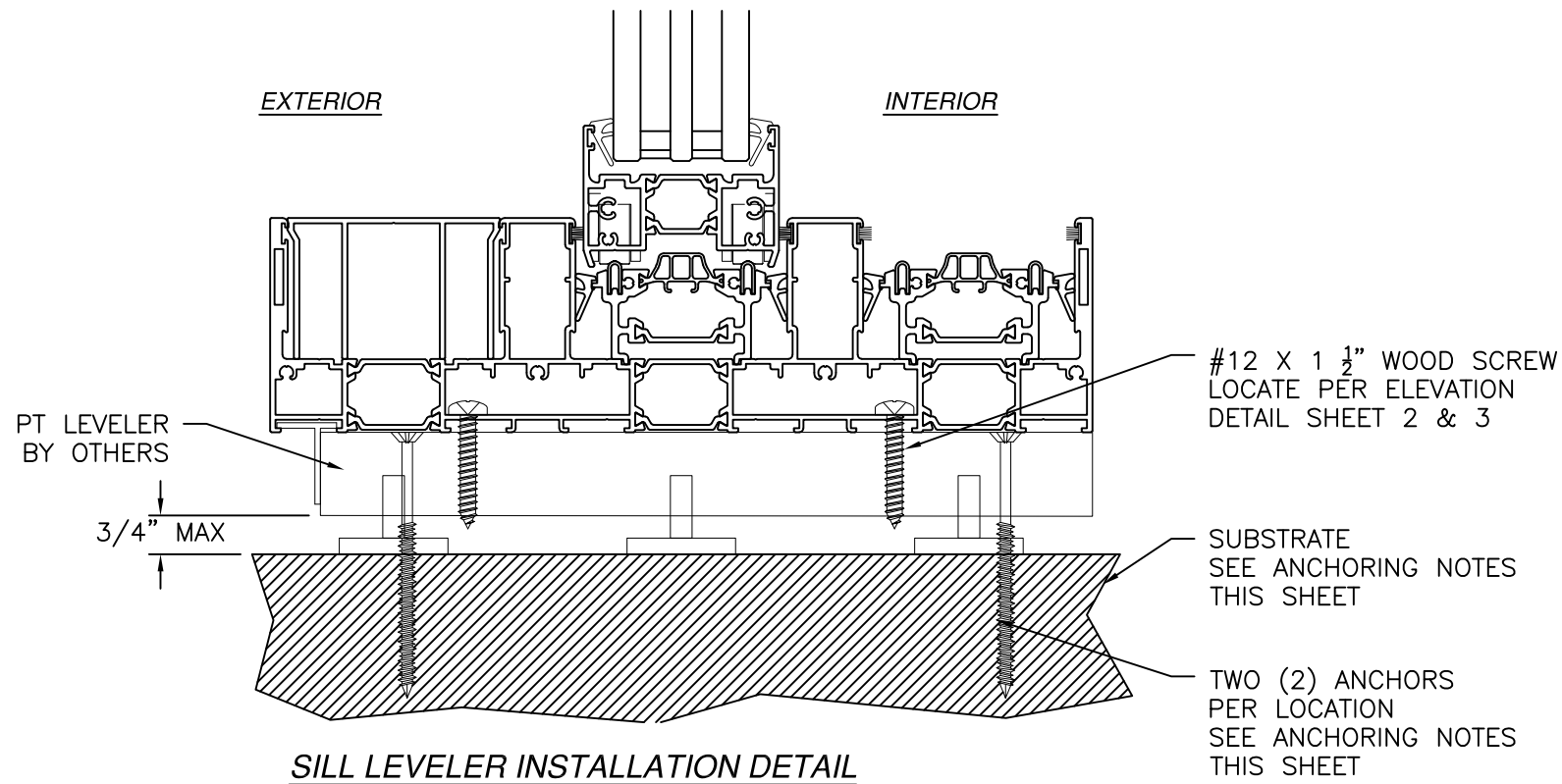
SIGNED: 06/03/2025

NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
CERO III STANDARD SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03971B	REV B
SCALE NTS	DATE 12/19/23	SHEET 8 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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LEVELER ANCHORING NOTES:

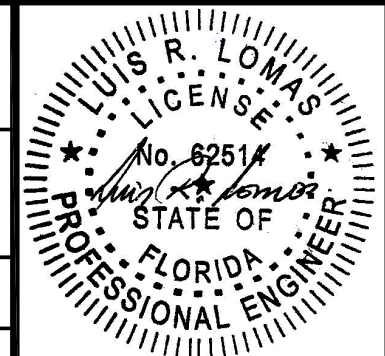
- FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE.
- FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE.
- FOR ANCHORING INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL.
- ALL FASTENERS TO BE CORROSION RESISTANT.
- FOR SUBSTRATE REQUIREMENTS SEE NOTES IN SHEET 1.
- LOCATE LEVELER ANCHORS AS FOLLOWS:
 - UP TO 40PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 22" MAX O.C.
 - UP TO 50PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 16" MAX O.C.
 - UP TO 60PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 14" MAX O.C.

NOTES:

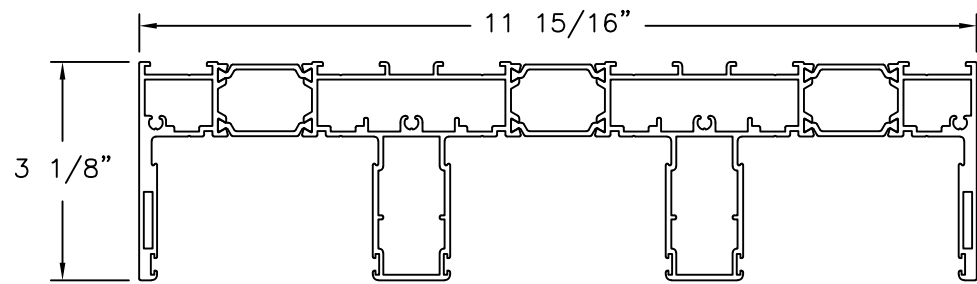
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- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
- WEEPS NOT SHOWN FOR CLARITY

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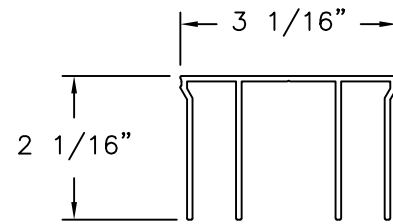
NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
CERO III STANDARD SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-03971B	REV B
SCALE NTS	DATE 12/19/23	SHEET 9 OF 10
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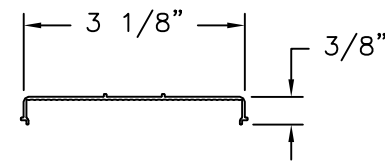
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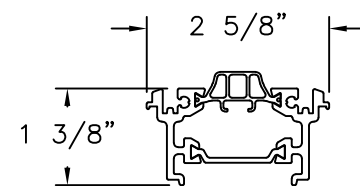
Part No. 5-200-02-X
Item Description:
6063-T5 ALUMINUM FRAME PROFILE
3 TRACK



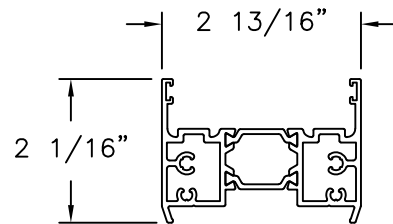
Part No. 5-200-05-X
Item Description:
6063-T5 ALUMINUM FILLING PROFILE



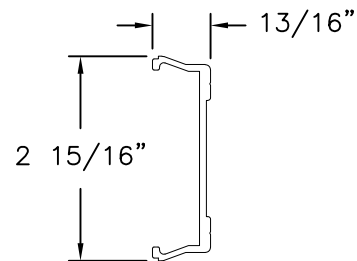
Part No. 5-200-06
Item Description:
POLYAMIDE COVER PROFILE
FOR HEAD TRACK



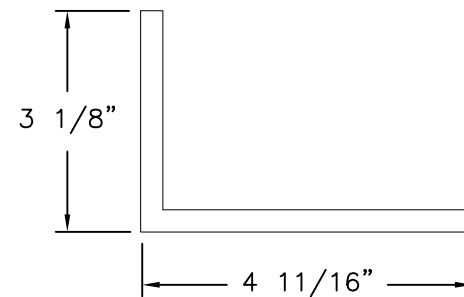
Part No. 5-200-29-X
Item Description:
6063-T5 ALUMINUM RUNNING TRACK



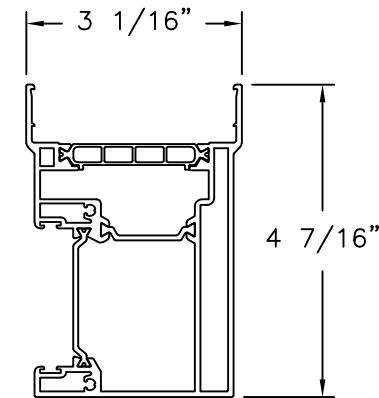
Part No. 5-200-30-X
Item Description:
6063-T5 ALUMINUM PANEL PROFILE
TOP AND BOTTOM



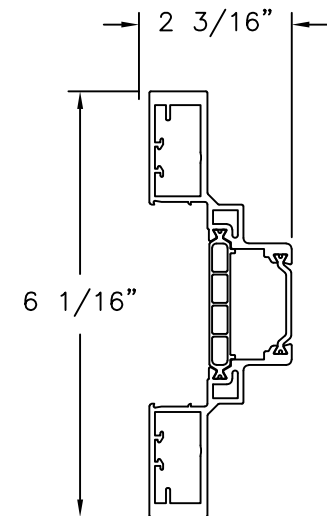
Part No. 5-200-31-X
Item Description:
POLYAMIDE VERTICAL PANEL
PROFILE (STILE COMPONENT)



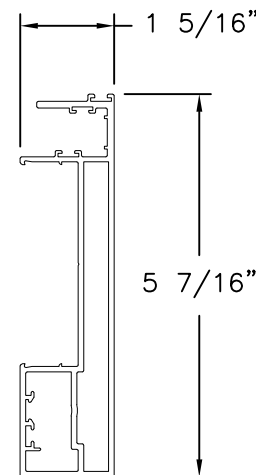
Part No. 30-0-276-X
Item Description:
ALUMINUM CORNER PROFILE 120X80X8



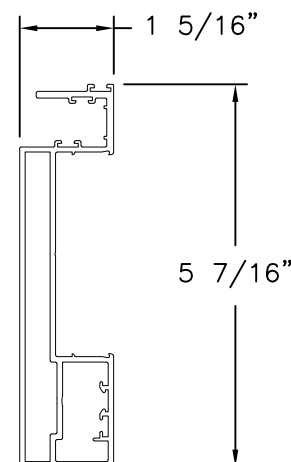
Part No. 5-200-42-X
ITEM DESCRIPTION:
6063-T5 ALUMINUM CORNER
POST PANEL PROFILE



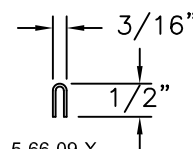
Part No. 5-220-11-X
ITEM DESCRIPTION:
6063-T5 ALUMINUM PANEL
PROFILE



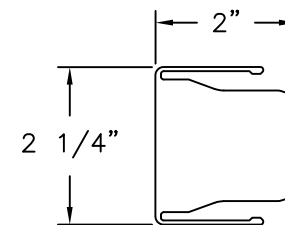
Part No. 5-200-38-X
Item Description:
6063-T5 ALUMINUM LATERAL PANEL
CONNECTION PROFILE, PARALLEL
DIRECTION (STILE)



Part No. 5-200-40-X
Item Description:
6063-T5 ALUMINUM LATERAL PANEL
CONNECTION PROFILE, OPPOSITE
DIRECTION (STILE)



Part No. 5-66-09-X
Item Description:
STAINLESS STEEL RUNNING TRACK

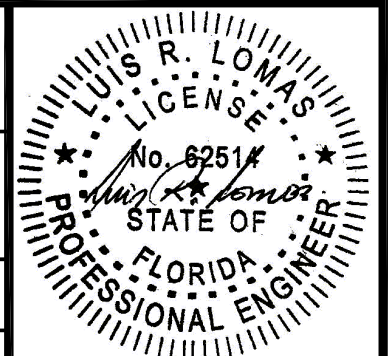


Part No. 15-210-40-X
Item Description:
POLYAMIDE CLAMPING PIECE FOR
COVER PROFILE FIXED PANEL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED ANCHOR DETAILS	03/28/2025	R.L.

SIGNED: 06/03/2025

NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
CERO III STANDARD SLIDING GLASS DOOR NON-IMPACT COMPONENTS		
DRAWN: R.L.	DWG NO. 08-03971B	REV B
SCALE NTS	DATE 12/19/23	SHEET 10 OF 10
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