	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
В	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 <u>IS REQUIRED</u> 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.

NANA WALL SYSTEMS INC.

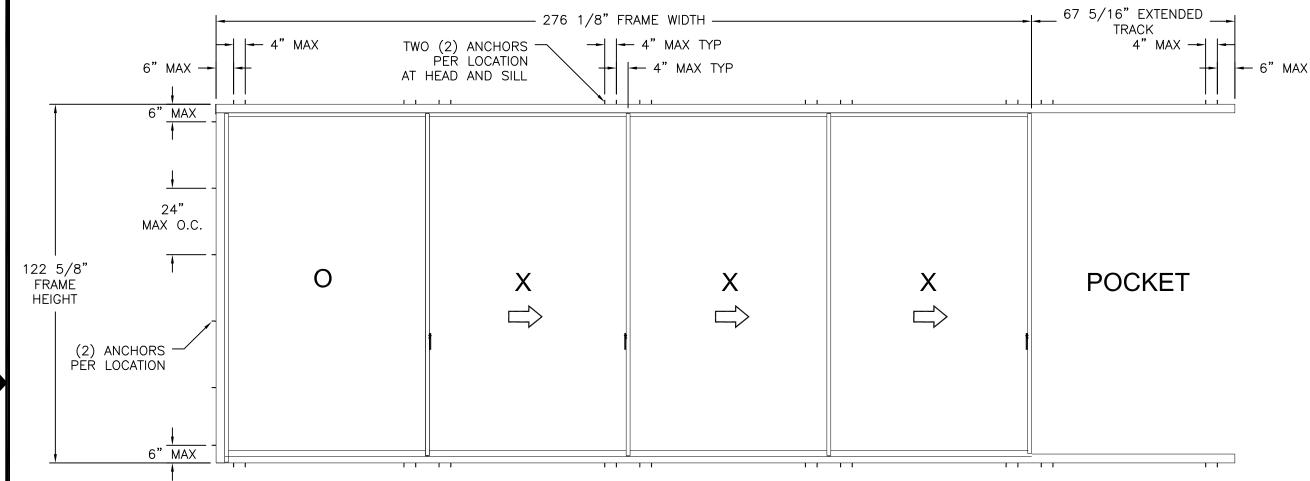
SIGNED: 06/03/2025

	TABLE OF CONTENTS		MEAD(IVE, SUITE 250 CA 94925		, ,
SHEET NO.	DESCRIPTION	CERO	II REIN	NON-IMPA	DING GLASS DOOR CT		
1	NOTES			NOTES			=
2 - 3	ELEVATIONS	DRAWN:		DWG NO.		REV	1
4	RATINGS	R.L.		08	3-03970B	В	1
5	CROSS SECTIONS	SCALE NTS	DATE 1	2/18/23	SHEET1 OF 10		
6 - 9	INSTALLATION DETAILS			L. ROBERTO LOM 7th Ave. INDIALAN			
10	COMPONENTS			88-0609 rllomas@	*		L

Luis R. Lomas P.E.

FL No.: 62514

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



CERO II 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

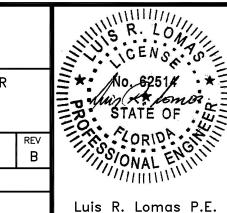
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	NONE
SEE CHARTS #1 & #2 SHEET	4 FOR RATINGS

SIGNED: 06/03/2025

NOTES:

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

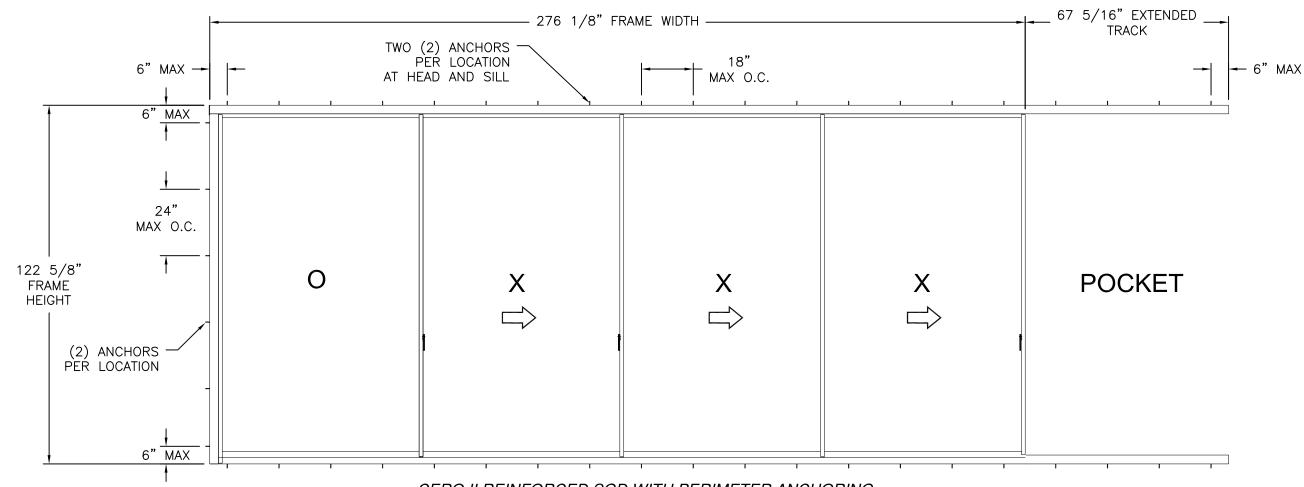
NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925 CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT **ELEVATION** DRAWN: DWG NO. R.L. 08-03970B SCALE NTS SHEET2 OF 10 DATE 12/18/23 L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com



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



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



CERO II 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
±60.0PSF	NONE

SEE CHARTS #1 & #2 SHEET 4 FOR RATINGS

NOTES:

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

NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT ELEVATION

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

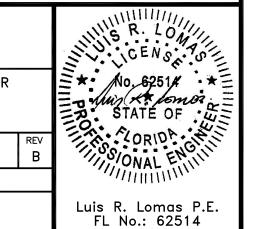


Chart #1

Design pressure rating (psf)

		Design pressure runng (psi)																
Panel	Single Panel Width (in)																	
Height	ght 48.00		54.	.00	60.	.00	66.	.00	68.	.88	72.	.00	78.	.00	84.	.00	88.00	
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	83.5	90.0	83.5	90.0	83.5	90.0	83.5	90.0	83.5	88.6	83.5	84.7	78.2	78.2	72.6	72.6	69.3	69.3
84.00	83.5	90.0	83.5	90.0	83.5	90.0	83.5	88.1	83.5	84.4	80.7	80.7	74.5	74.5	69.2	69.2	66.0	66.0
90.00	83.5	90.0	83.5	90.0	83.5	90.0	82.2	82.2	78.8	78.8	75.3	75.3	69.5	69.5	64.6	64.6	61.6	61.6
96.00	83.5	90.0	83.5	90.0	83.5	84.7	77.0	77.0	73.8	73.8	70.6	70.6	65.2	65.2	60.5	60.5	-	-
102.00	83.5	90.0	83.5	85.4	79.8	79.8	72.5	72.5	69.5	69.5	66.5	66.5	61.4	61.4	-	-	-	-
108.00	83.5	85.8	79.1	79.1	73.9	73.9	68.5	68.5	65.6	65.6	62.8	62.8	-	-	-	-	-	-
114.00	80.1	80.1	73.6	73.6	68.6	68.6	64.7	64.7	62.2	62.2	-	-	-	-	-	-	-	-
118.13	76.5	76.5	70.3	70.3	65.4	65.4	61.6	61.6	60.0	60.0	-	-	-	-	-	-	-	-
120.00	75.1	75.1	68.9	68.9	63.2	63.2	58.8	58.8	-	-		-	-	-	-	-	-	-
126.00	65.4	65.4	59.0	59.0	54.1	54.1	-	-	-	-	ı	-	-	-	-	-	-	-
132.00	56.5	56.5	51.0	51.0	46.7	46.7	-	-	-	-	ı	-	-	-	-	-	-	-
138.00	49.3	49.3	44.4	44.4	-	-	-	-	-	-		-	-	-	-	-	-	-
144.00	43.2	43.2	38.8	38.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150.00	38.1	38.1	34.2	34.2	-	-	1	-	-	-	1	-	-	-	-	-	-	-
156.00	33.7	33.7	-	-	-	-	-	-	-	-	ı	-	-	-	-	-	-	-

Where water penetration is required

Chart #2

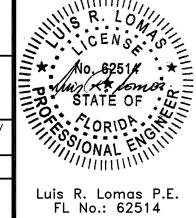
Design pressure rating (psf)

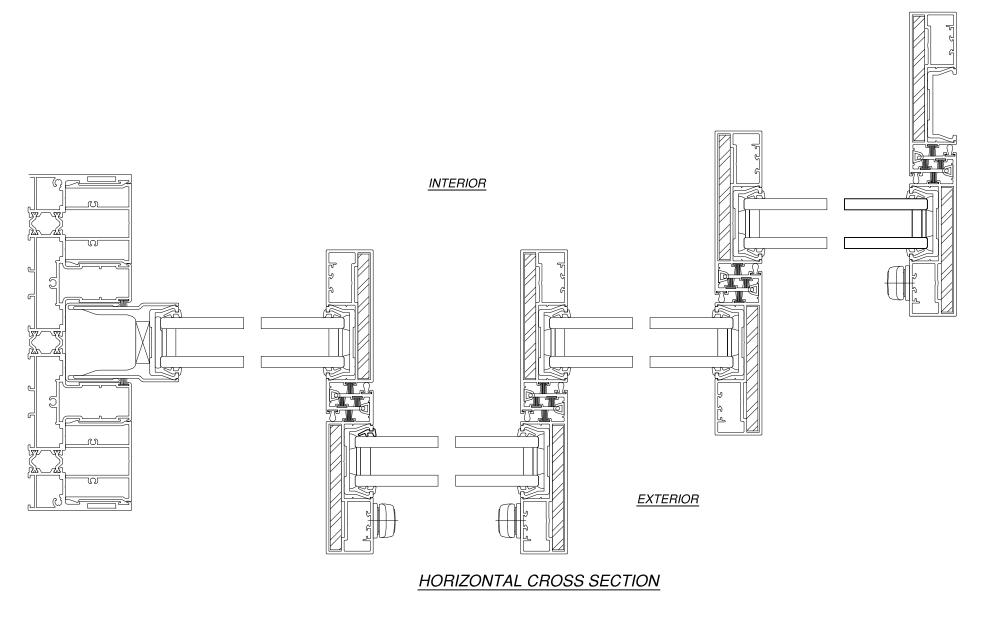
Panel								Sii	ngle Par	nel Widtl								
Height	48.	00	54.	.00	60.	.00	66.	00	68.	.88	72.	.00	78.	.00	84	.00	88	.00
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	88.6	88.6	84.7	84.7	78.2	78.2	72.6	72.6	69.3	69.3
84.00	90.0	90.0	90.0	90.0	90.0	90.0	88.1	88.1	84.4	84.4	80.7	80.7	74.5	74.5	69.2	69.2	66.0	66.0
90.00	90.0	90.0	90.0	90.0	90.0	90.0	82.2	82.2	78.8	78.8	75.3	75.3	69.5	69.5	64.6	64.6	61.6	61.6
96.00	90.0	90.0	90.0	90.0	84.7	84.7	77.0	77.0	73.8	73.8	70.6	70.6	65.2	65.2	60.5	60.5	-	-
102.00	90.0	90.0	85.4	85.4	79.8	79.8	72.5	72.5	69.5	69.5	66.5	66.5	61.4	61.4	-	-	-	-
108.00	85.8	85.8	79.1	79.1	73.9	73.9	68.5	68.5	65.6	65.6	62.8	62.8	-	-	-	-	-	-
114.00	80.1	80.1	73.6	73.6	68.6	68.6	64.7	64.7	62.2	62.2	-	-	-	-	-	-	-	-
118.13	76.5	76.5	70.3	70.3	65.4	65.4	61.6	61.6	60.0	60.0	-	-	-	-	-	-	-	-
120.00	75.1	75.1	68.9	68.9	63.2	63.2	58.8	58.8	-	-	-	-	-	-	-	-	-	-
126.00	65.4	65.4	59.0	59.0	54.1	54.1	-	1	-	-	-	-	-	-	-	-	-	-
132.00	56.5	56.5	51.0	51.0	46.7	46.7	-	ı	-	-	-	-	-	-	-	-	-	-
138.00	49.3	49.3	44.4	44.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144.00	43.2	43.2	38.8	38.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150.00	38.1	38.1	34.2	34.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156.00	33.7	33.7	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-

Where water penetration is not required

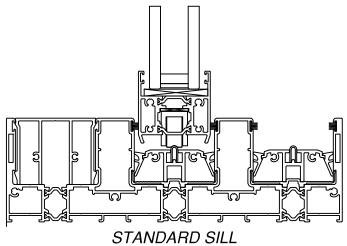
	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED
В	REVISED ANCHOR DETAILS	03/28/2025	R.L.

	NANA WALL SYSTEMS, INC. 100 meadowcreek drive, suite 250 corte madera, ca 94925									
CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT RATINGS										
DRAWN:	DRAWN: DWG NO. REV									
R.L.	R.L. 08-03970B B									
SCALE NTS	DATE 1:	2/18/23	SHEET4 O	F 10						
	208 7	L. ROBERTO LOMA: th Ave, INDIALANTIC 3-0609 rllomas@lrl	C, FL 32903	,						





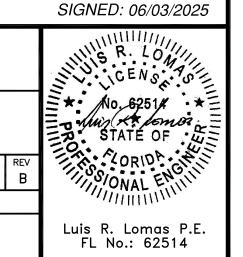
REVISIONS DESCRIPTION DATE APPROVED REVISED ANCHOR DETAILS 03/28/2025 R.L.

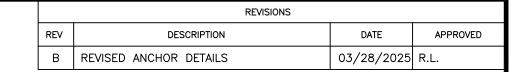


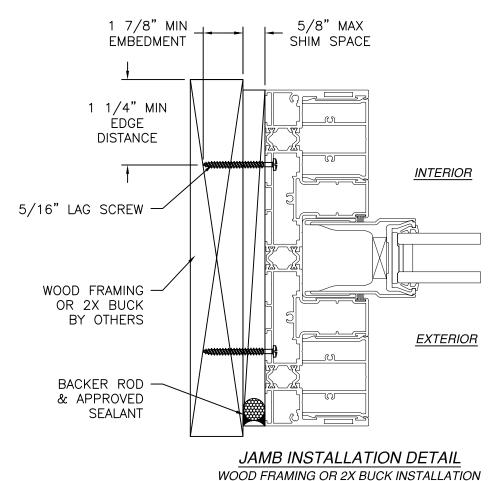
NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925 CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT CROSS SECTIONS DWG NO. DRAWN: R.L.

08-03970B SCALE NTS DATE 12/18/23 SHEET5 OF 10

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





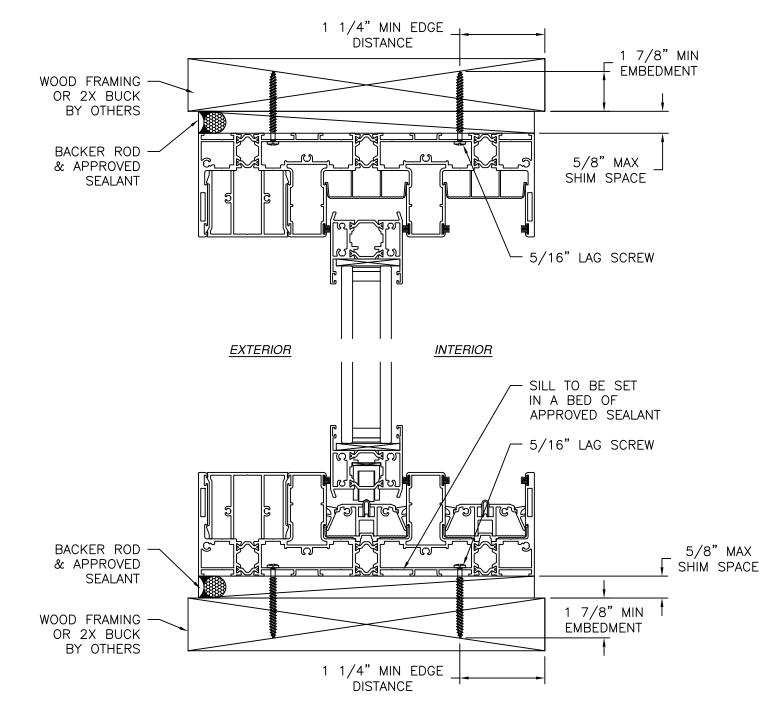


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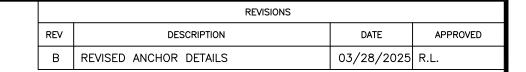
- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
- 3. WEEPS NOT SHOWN FOR CLARITY

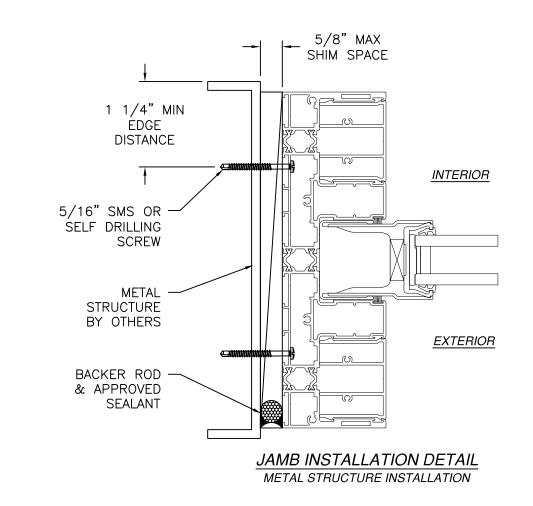
SIGNED: 06/03/2025





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

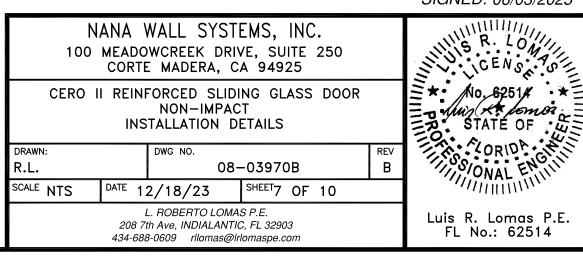


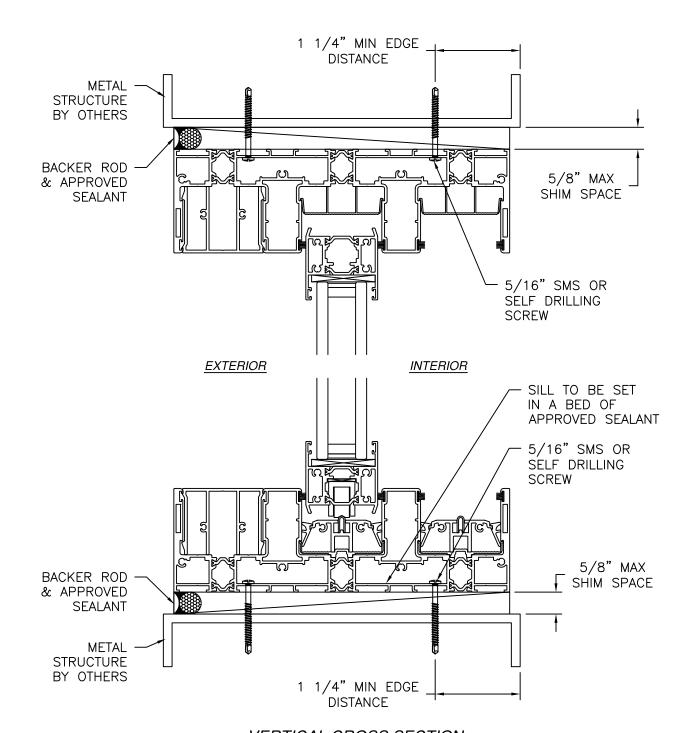


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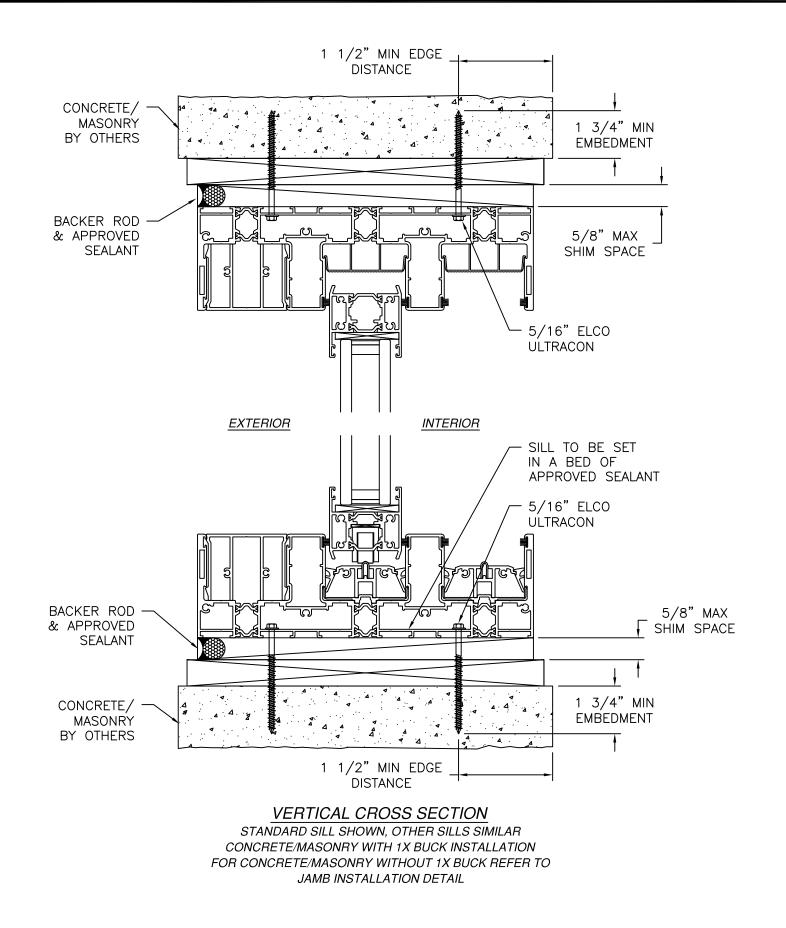
- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
- 3. WEEPS NOT SHOWN FOR CLARITY

SIGNED: 06/03/2025





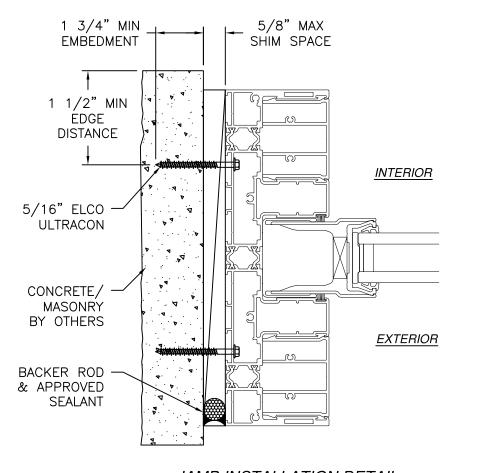
VERTICAL CROSS SECTION
STANDARD SILL SHOWN, OTHER SILLS SIMILAR
METAL STRUCTURE INSTALLATION



 REVISIONS

 REV
 DESCRIPTION
 DATE
 APPROVED

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

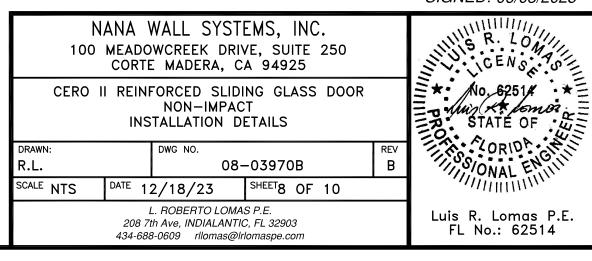


JAMB INSTALLATION DETAIL

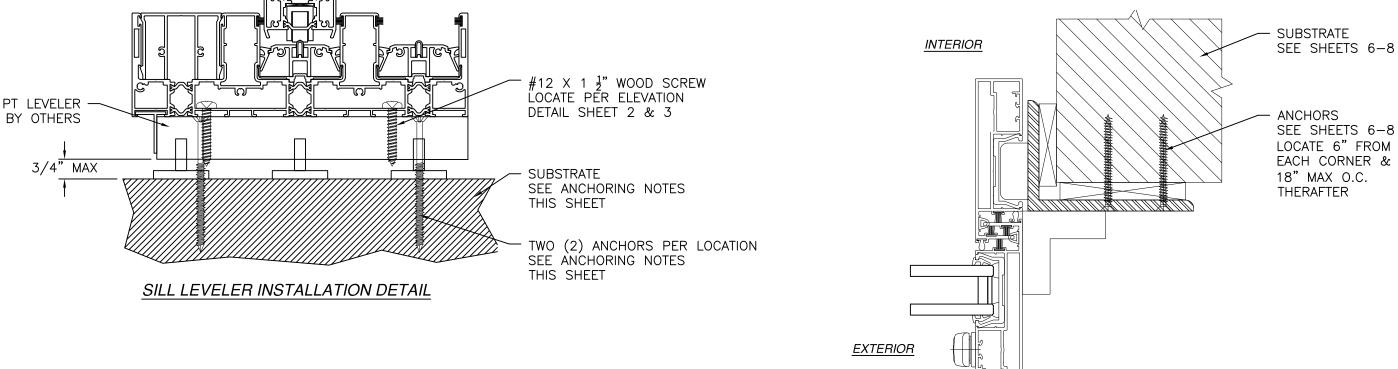
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO HEAD AND SILL INSTALLATION DETAILS

NOTES:

- 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







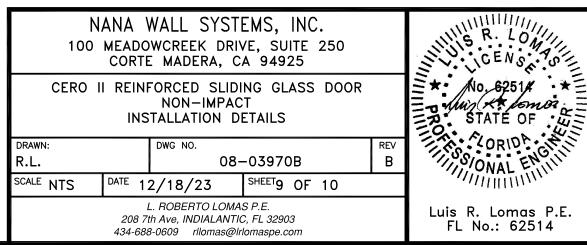
LEVELER ANCHORING NOTES:

- 1. 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.
- 2. 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.
- 3. FOR ANCHORING INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL.
- 4. ALL FASTENERS TO BE CORROSION RESISTANT.
- 5. FOR SUBSTRATE REQUIREMENTS SEE NOTES IN SHEET 1.
- 6. LOCATE LEVELER ANCHORS AS FOLLOWS:
- 6.A. UP TO 40PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 22" MAX O.C.
- 6.B. UP TO 60PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 14" MAX O.C.
- 6.C. UP TO 80PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 10" MAX O.C.
- 6.D. UP TO 90PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 9" MAX O.C.

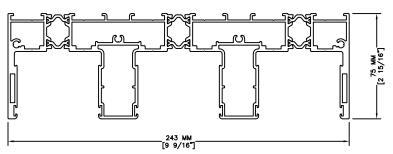
POCKET JAMB INSTALLATION DETAIL

NOTES:

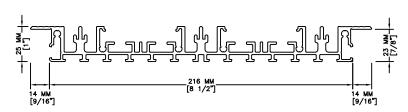
- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
- 3. WEEPS NOT SHOWN FOR CLARITY



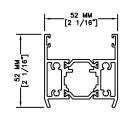




Part No. 5-220-03-X Item Description: 6063-T5 ALUMINUM FRAME PROFILE FOR 3-TRACKS



Part No. 5-210-28-X Item Description: 6063-T5 ALUMINUM FLUSH SILL FOR 3-TRACKS



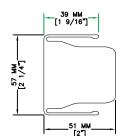
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6063-T5 ALUMINUM PANEL

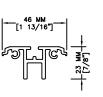
PROFILE TOP / BOTTOM

REV DESCRIPTION DATE AI	
The personal form	PPROVED
B REVISED ANCHOR DETAILS 03/28/2025 R.L.	

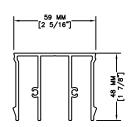
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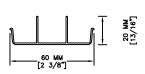
Part No. 15-210-40-X Item Description: POLYAMIDE CLAMPING PIECE FOR COVER PROFILE FIXED PANEL



Part No. 5-210-04-X Item Description: 6063-T5 ALUMINUM BOTTOM RUNNING TRACK



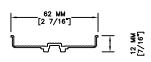
Part No. 5-210-05-X Item Description: 6063-T5 ALUMINUM TRACK INFILL PROFILE



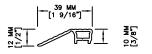
Part No. 5-220-06-X Item Description: POLYAMIDE COVER PROFILE FOR HEAD TRACK



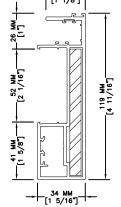
Part No. 5-220-09-X Item Description: POLYAMIDE VERTICAL PANEL PROFILE (STILE COMPONENT)



Part No. 5-210-06-X Item Description: POLYAMIDE BASE PLATE FOR RUNNING TRACK



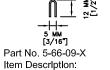
Part No. 5-0-1010-X Item Description: 6063-T5 ALUMINUM ADAPTER PROFILE FOR SILL



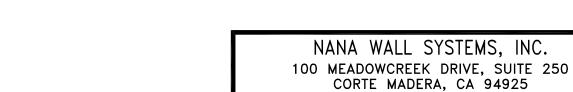
Part No. 5-210-31-X Item Description: 6063-T5 ALUMINUM LATERAL PANEL CONNECTION PROFILE, PARALLEL DIRECTION (STILE) WITH STEEL REINFORCEMENT



Part No. 30-0-276-X Item Description: 6063-T5 ALUMINUM CORNER PROFILE 120X80X8



STAINLESS STEEL TRACK INSERT



CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT COMPONENTS

DRAWN: DWG NO. R.L. 08-03970B DATE 12/18/23 SCALE NTS SHEET 10 OF 10 L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com

