

- 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.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
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2	ELEVATION AND RATINGS
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9	COMPONENTS

REVISIONS

REV	DESCRIPTION	DATE
C	REVISED CHARTS	05/30/26

NANA WALL SYSTEMS, INC

100 MEADOWCREEK DRIVE, SUITE 250

CORTE MADERA, CA 94925

CERO III REINFORCED SLIDING GLASS DOOR

NON-IMPACT

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rlomas@rlomaspe.com

DWG NO.

08-03991

SHEET

1 OF 11

SCALE

NTS

REV

C

FPA

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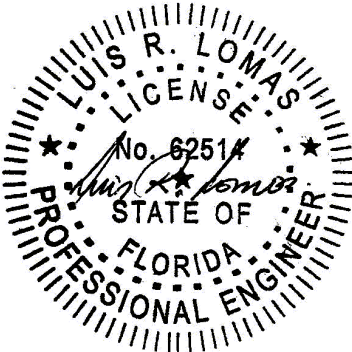
DRAWN

R.L.

DATE:

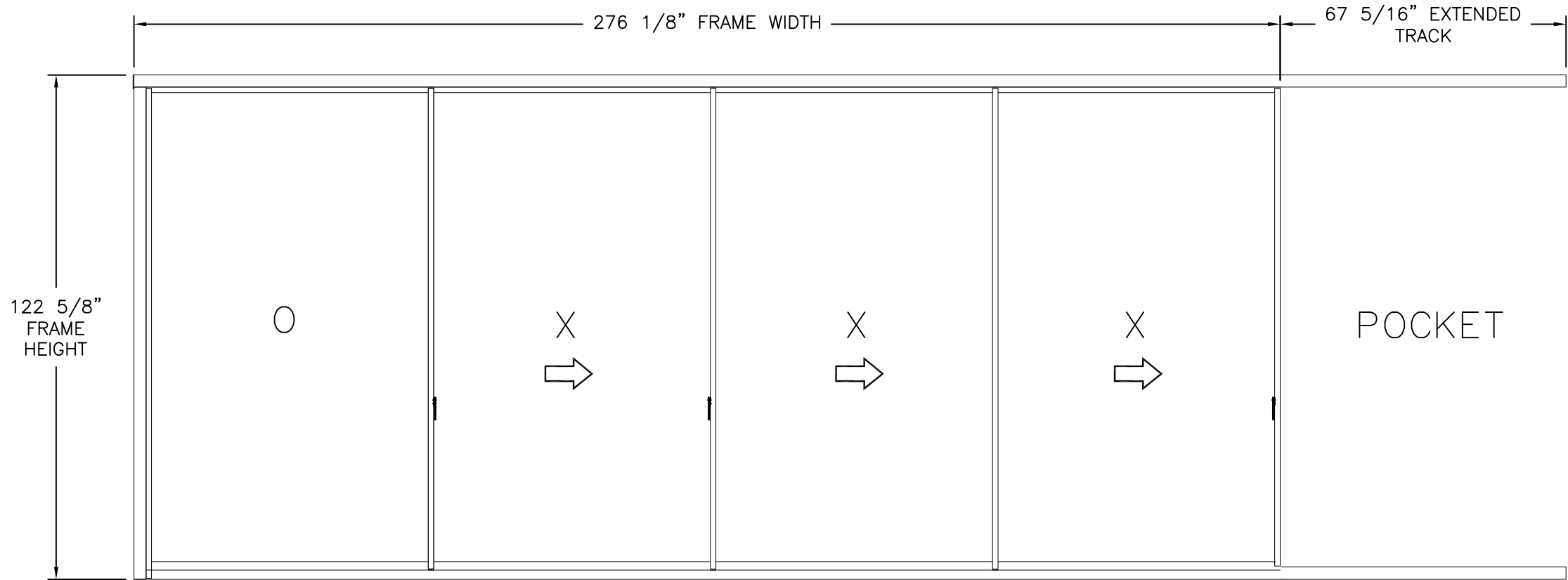
12/19/23

SIGNED: 08/12/2026



Luis R. Lomas P.E.

FL No.: 62514



CERO III REINFORCED SGD

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
+80.0/-75.0PSF	NONE

SEE CHARTS #1 FOR RATINGS

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		90.00		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
80.00	80.0	112.5	80.0	112.5	80.0	112.5	80.0	112.5	80.0	110.7	80.0	105.9	80.0	97.8	80.0	90.8	80.0	84.7	80.0	79.5	80.0	76.3
84.00	80.0	112.5	80.0	112.5	80.0	112.5	80.0	110.1	80.0	105.5	80.0	100.9	80.0	93.1	80.0	86.5	80.0	80.7	80.0	75.7	-	-
90.00	80.0	112.5	80.0	112.5	80.0	112.5	80.0	102.7	80.0	98.4	80.0	94.2	80.0	86.9	80.0	80.7	80.0	75.3	-	-	-	-
96.00	80.0	112.5	80.0	112.5	80.0	105.9	80.0	96.3	80.0	92.3	80.0	88.3	80.0	81.5	80.0	75.7	-	-	-	-	-	-
97.31	80.0	112.5	80.0	112.5	80.0	104.5	80.0	95.0	80.0	91.0	80.0	87.1	80.0	80.4	-	-	-	-	-	-	-	-
102.00	80.0	112.5	80.0	106.7	80.0	99.7	80.0	90.6	80.0	86.9	80.0	83.1	80.0	76.7	-	-	-	-	-	-	-	-
108.00	80.0	107.2	80.0	98.8	80.0	92.4	80.0	85.6	80.0	82.0	80.0	78.5	-	-	-	-	-	-	-	-	-	-
114.00	80.0	100.1	80.0	92.0	80.0	85.8	80.0	80.9	80.0	77.7	-	-	-	-	-	-	-	-	-	-	-	-
118.13	80.0	95.7	80.0	87.9	80.0	81.8	80.0	76.9	80.0	75.0	-	-	-	-	-	-	-	-	-	-	-	-
120.00	80.0	93.8	80.0	86.1	80.0	79.0	78.4	73.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126.00	80.0	81.7	78.7	73.8	72.1	67.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132.00	75.4	70.7	68.0	63.7	62.2	58.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.00	65.7	61.6	59.2	55.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144.00	57.6	54.0	51.8	48.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150.00	50.8	47.6	45.6	42.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156.00	45.0	42.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
162.00	40.1	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
168.00	35.8	33.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- 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

REVISIONS		DATE
REV	DESCRIPTION	REVISED CHARTS
C		05/30/26

NANA WALL SYSTEMS, INC

100 MEADOWCREEK DRIVE, SUITE 250

CORTE MADERA, CA 94925

CERO III REINFORCED SLIDING GLASS DOOR

NON-IMPACT

ELEVATION

L. ROBERTO LOMAS P.E.

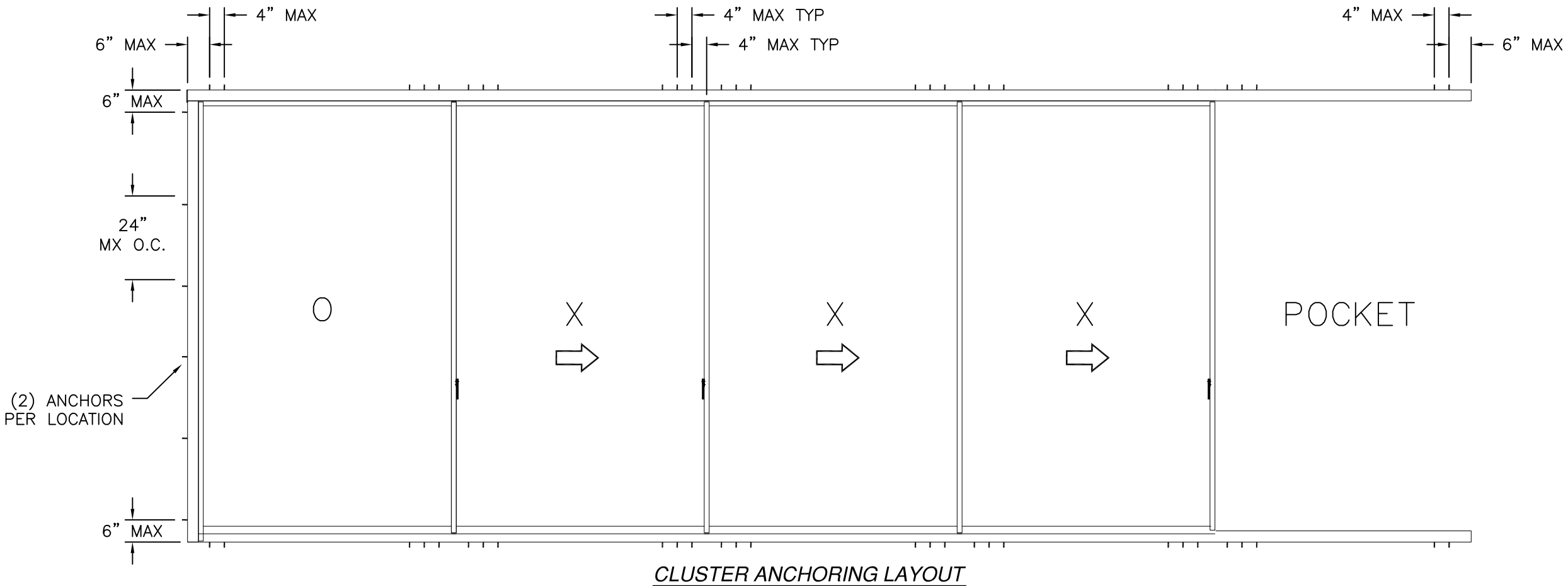
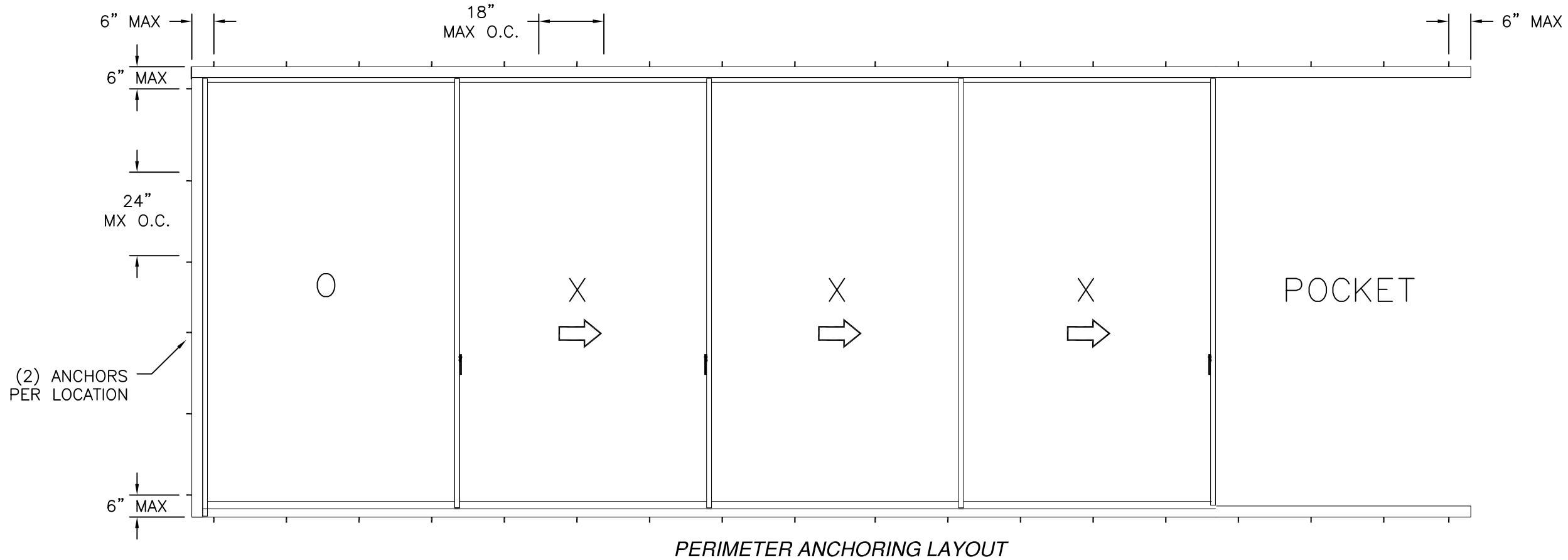
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@rlomaspe.com

DWG NO.	SHEET
08-03991	2 OF 11
SCALE NTS	REV C
FPA -	
DRAWN R.L.	DATE: 12/19/23

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



REVISIONS			DATE
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C			05/30/26

NANA WALL SYSTEMS, INC

100 MEADOWCREEK DRIVE, SUITE 250

CORTE MADERA, CA 94925

CERO III REINFORCED SLIDING GLASS DOOR

NON-IMPACT

ANCHORING LAYOUTS

L. ROBERTO LOMAS P.E.

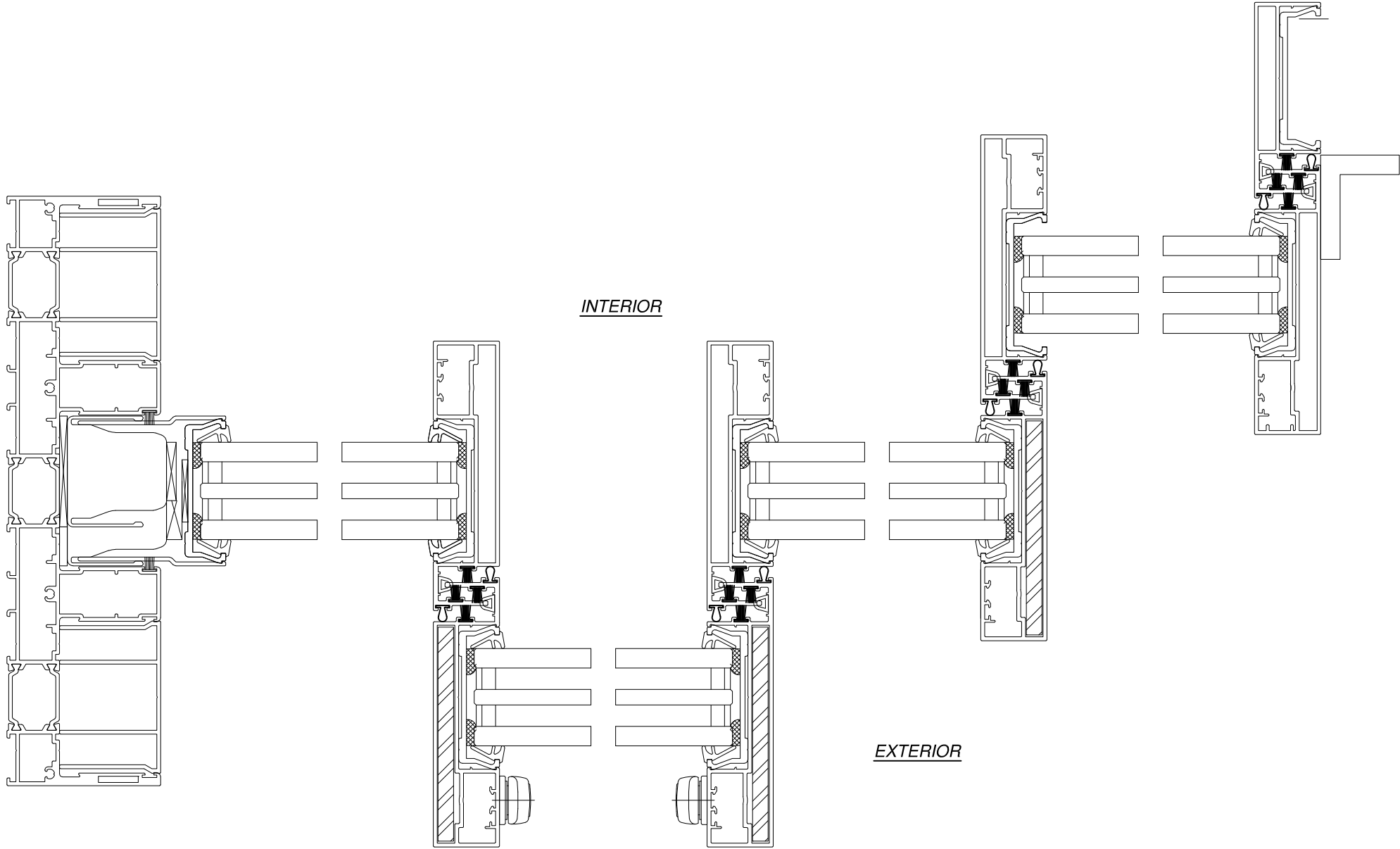
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08-03991	3 OF 11	
SCALE NTS	REV C	FPA -
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INTERIOR

EXTERIOR

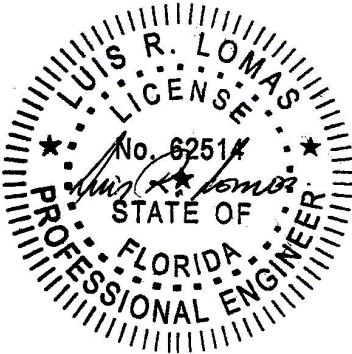
HORIZONTAL CROSS SECTION

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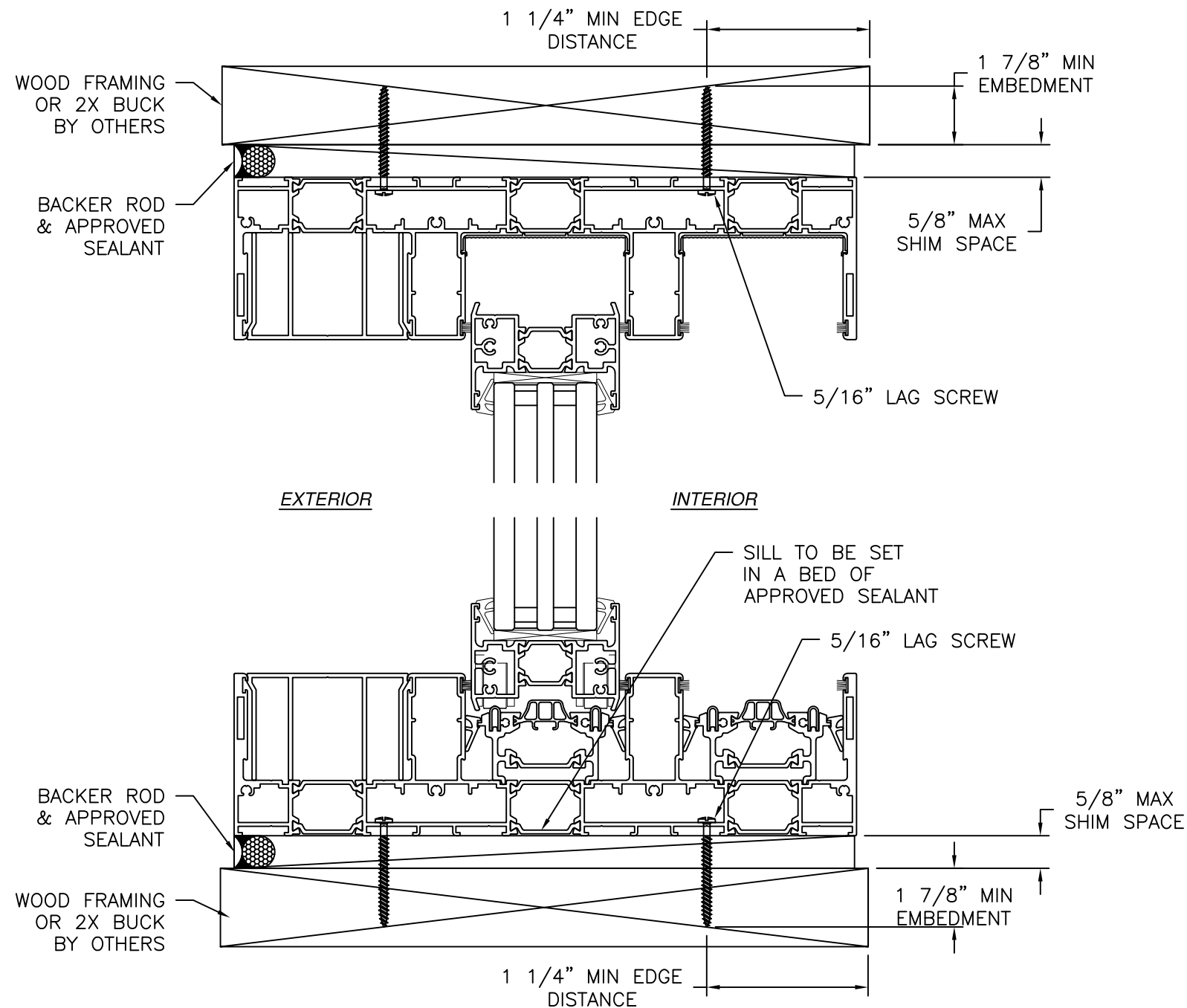
NANA WALL SYSTEMS, INC 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925	
CERO III REINFORCED SLIDING GLASS DOOR NON-IMPACT CROSS SECTIONS	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rlomas@rlomaspe.com	

DWG NO. 08-03991	SHEET 4 OF 11
SCALE NTS	REV C FPA -
DRAWN R.L.	DATE: 12/19/23

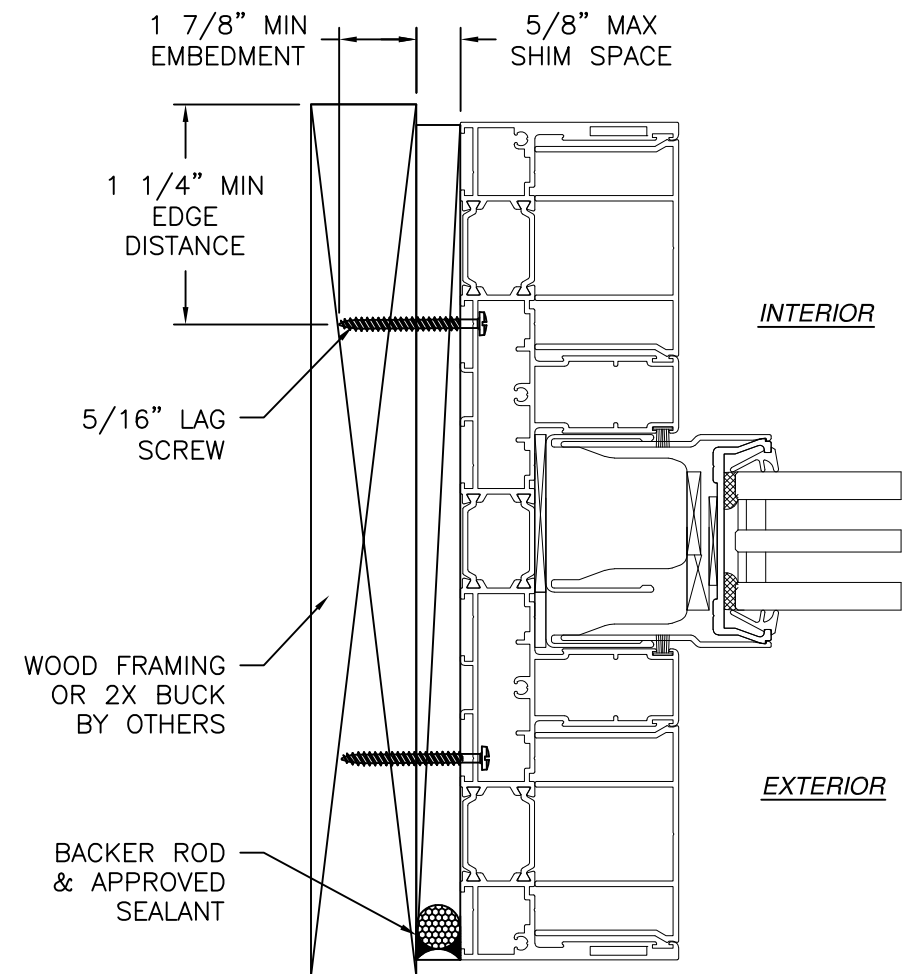
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Luis R. Lomas P.E.
FL No.: 62514



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



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

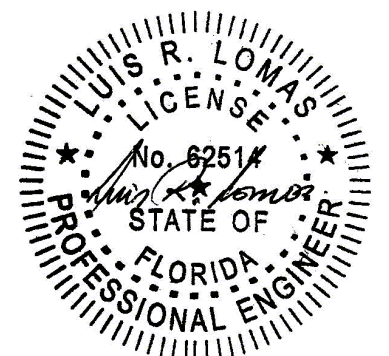
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
 3. WEEPS NOT SHOWN FOR CLARITY

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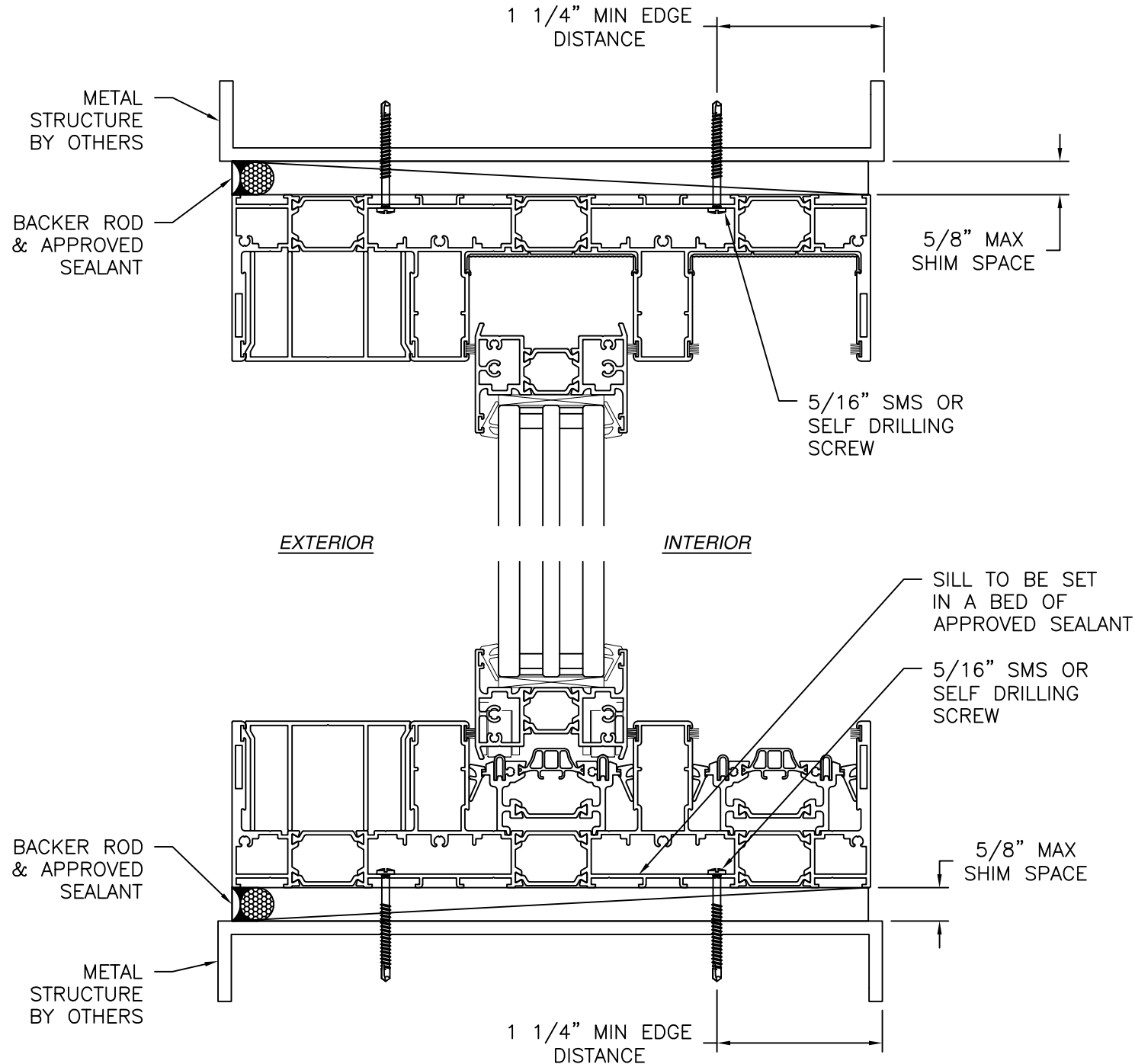
NANA WALL SYSTEMS, INC 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		CERO III REINFORCED SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS	L. ROBERTO LOMAS P.E. 208 7th Ave, INDIANLANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com
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DWG NO. 08-03991	SHEET 5 OF 11
SCALE NTS	REV C FPA -
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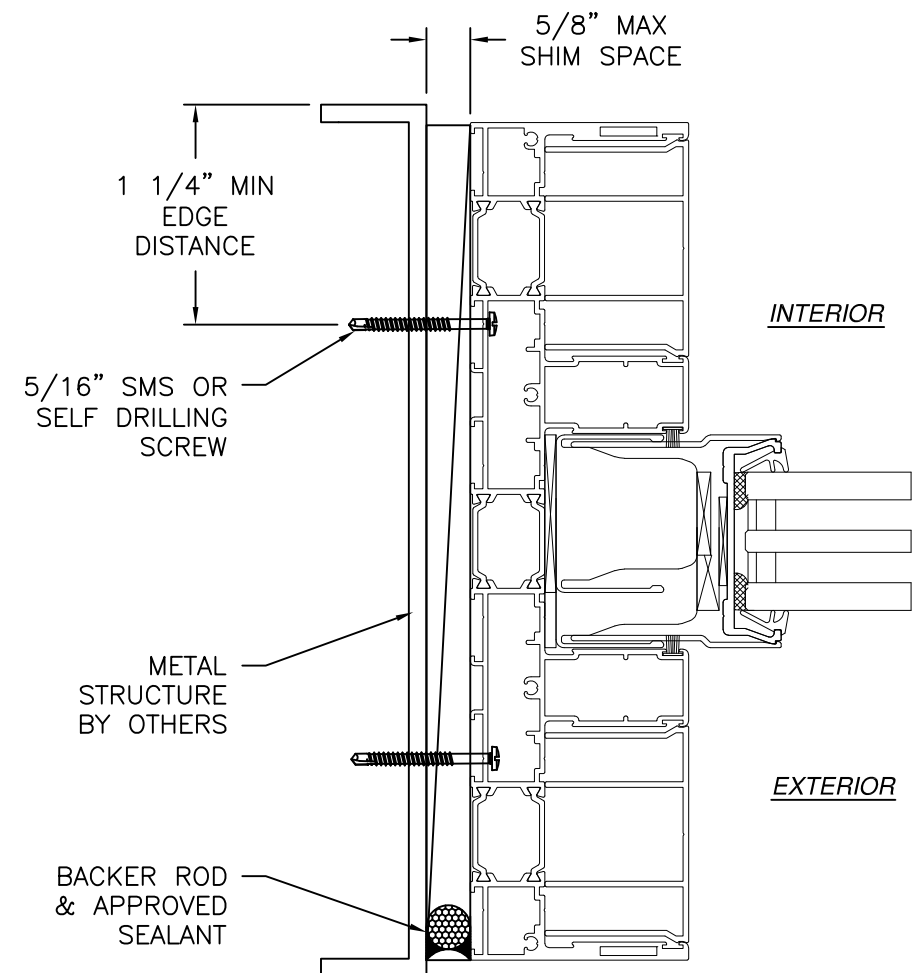
SIGNED: 08/12/2026



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



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



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

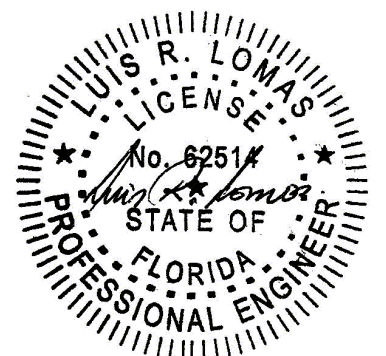
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
 3. WEEPS NOT SHOWN FOR CLARITY

REVISIONS		DATE
DESCRIPTION	REV	
CHARTS	C	05/30/26

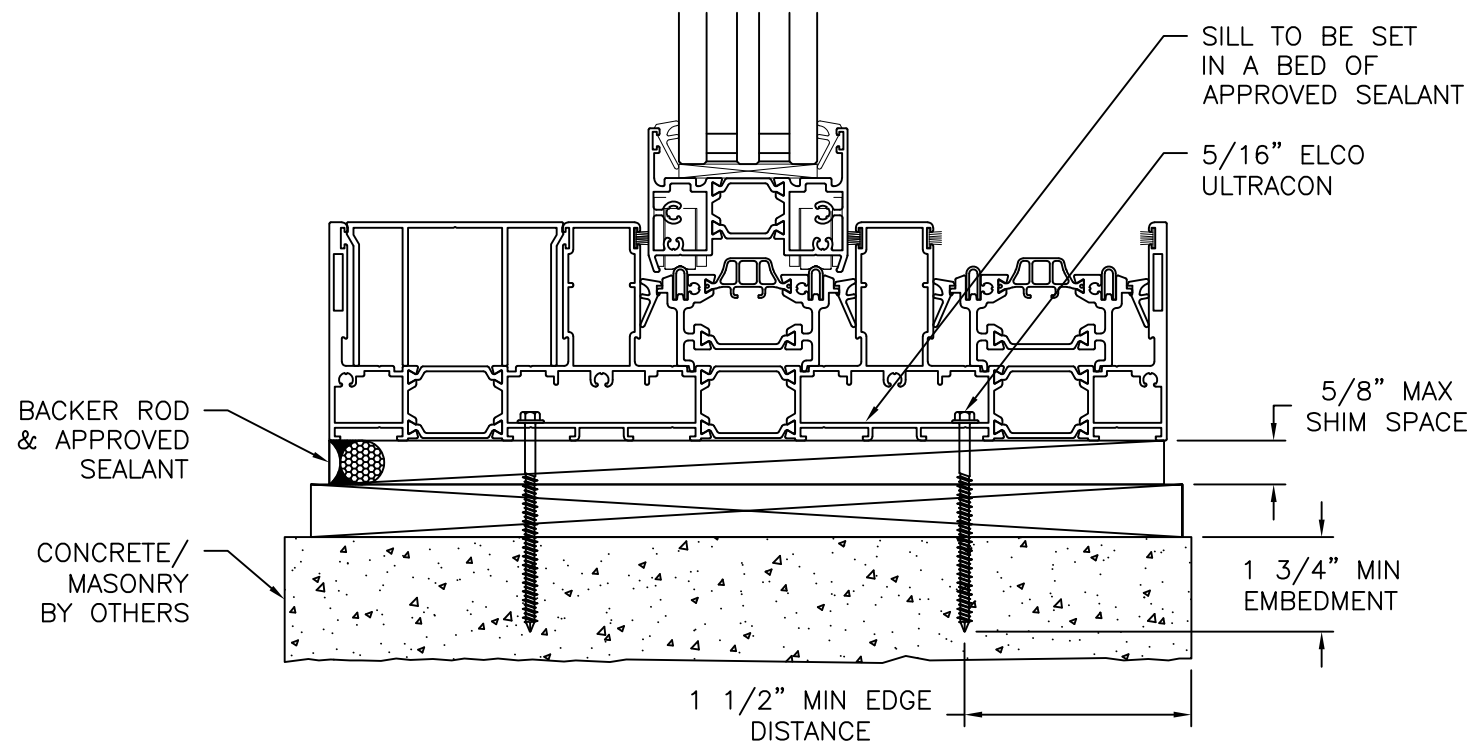
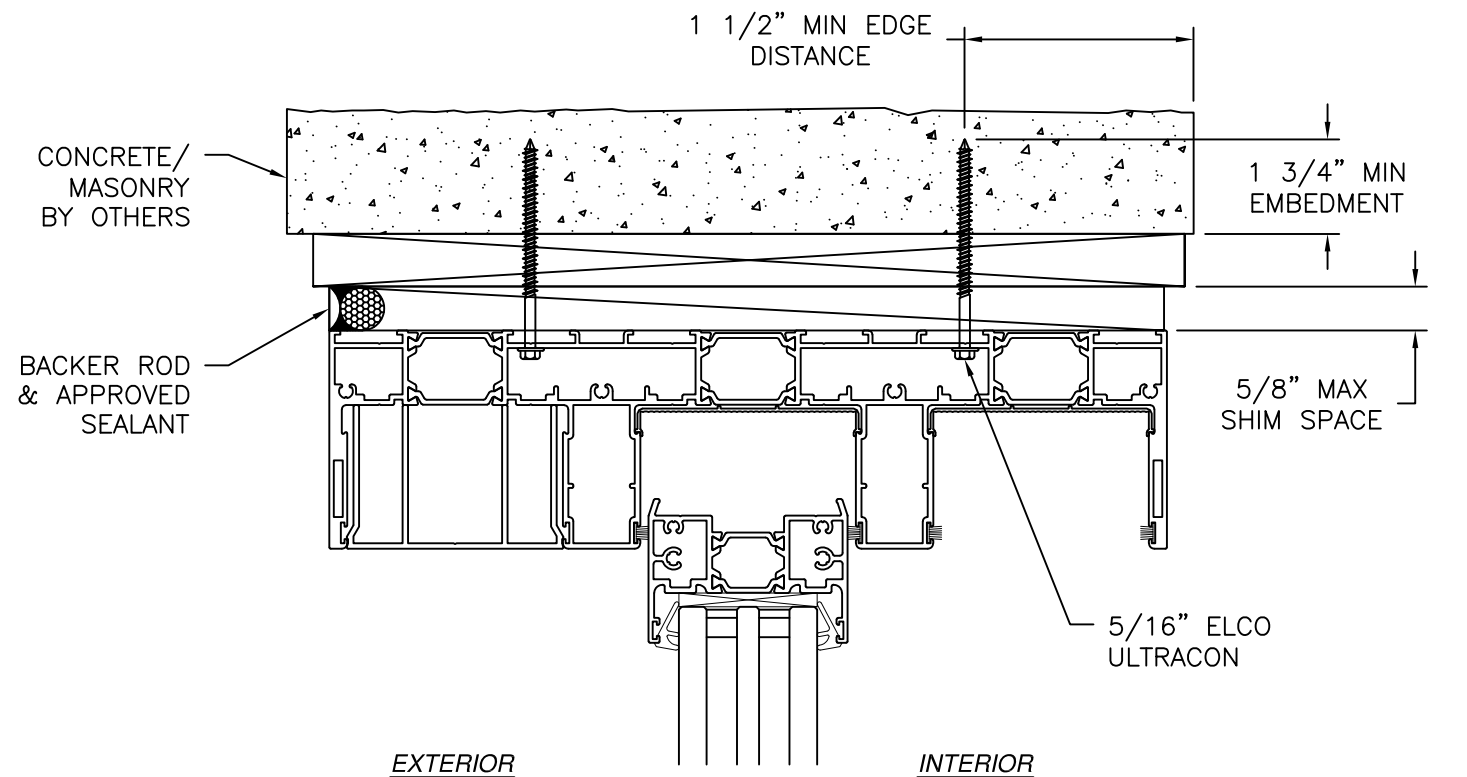
NANA WALL SYSTEMS, INC 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		CERO III REINFORCED SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS	L. ROBERTO LOMAS P.E. 208 7th Ave, INDIANLANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com
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DWG NO. 08-03991	SHEET 6 OF 11
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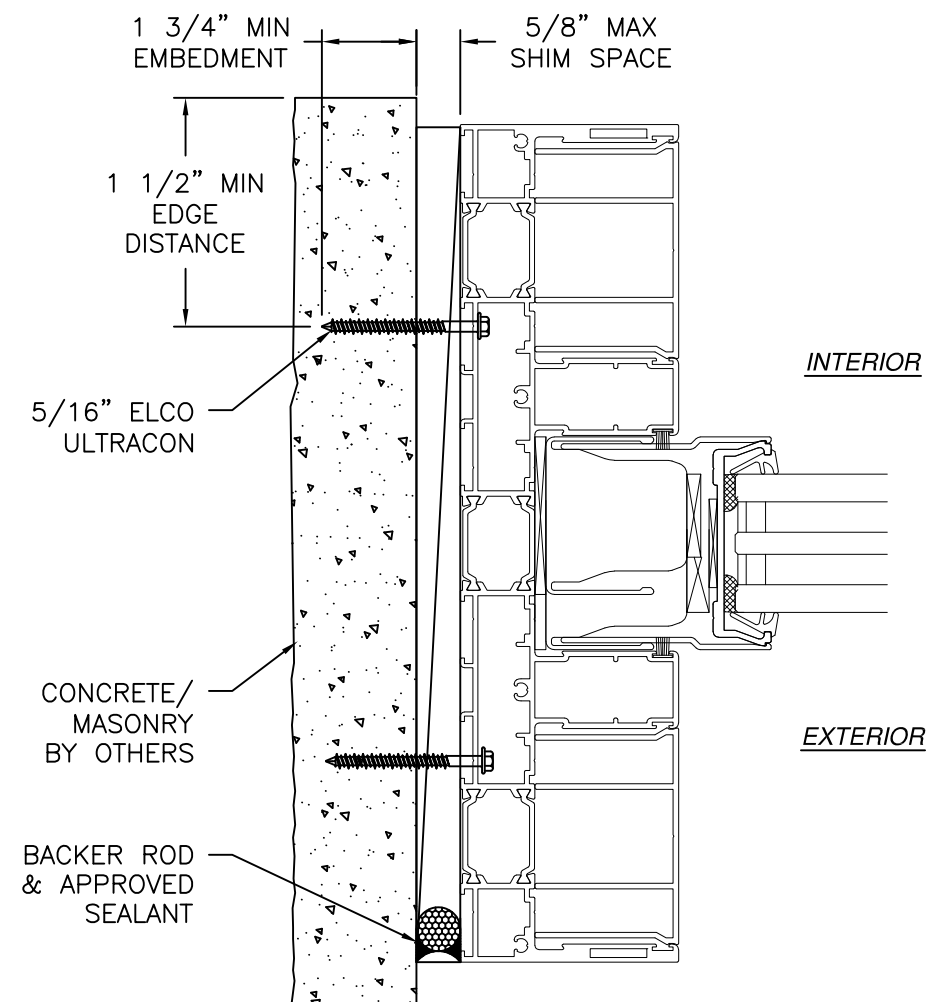


Luis R. Lomas P.E.
FL No.: 62514



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

- 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



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

REVISIONS			DATE
REV	DESCRIPTION	CHARTS	
C			05/30/26

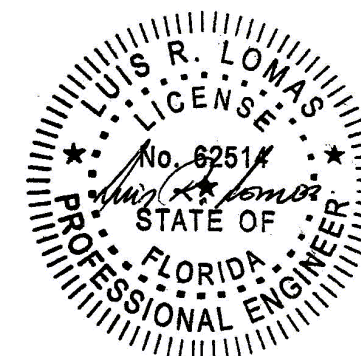
NANA WALL SYSTEMS, INC
 100 MEADOWCREEK DRIVE, SUITE 250
 CORTE MADERA, CA 94925

**CERO III REINFORCED SLIDING GLASS DOOR
 NON-IMPACT
 INSTALLATION DETAILS**

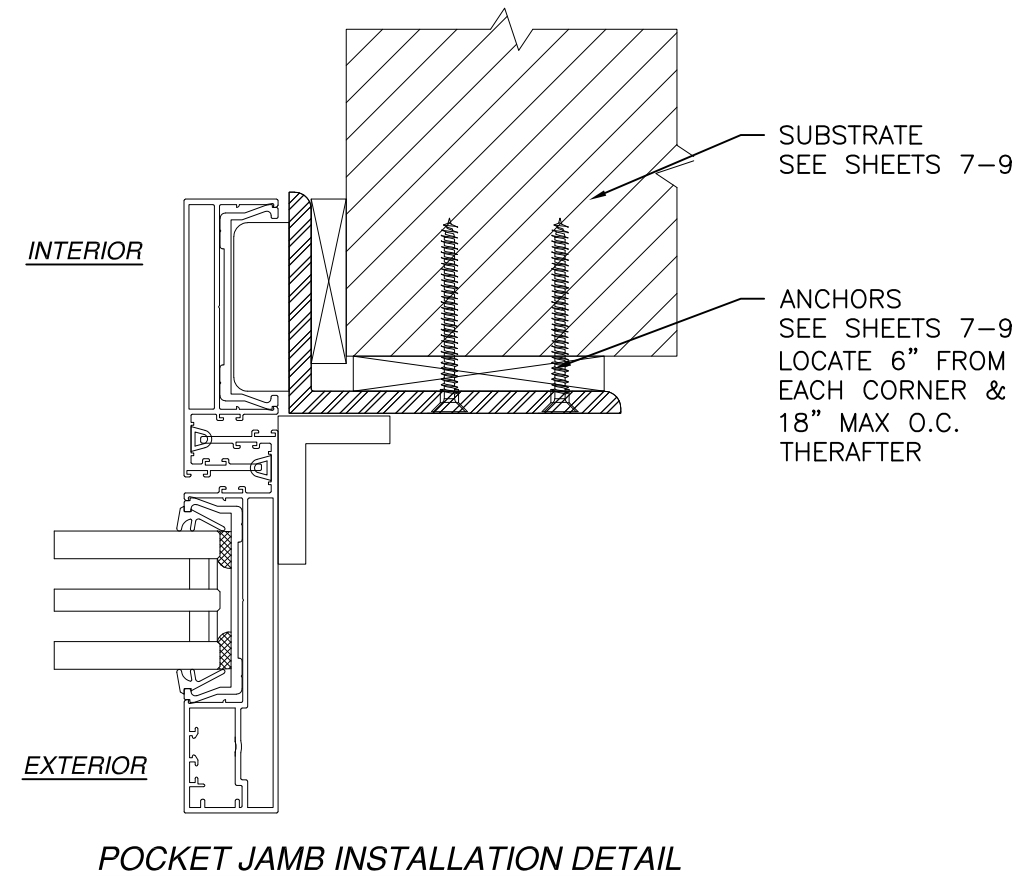
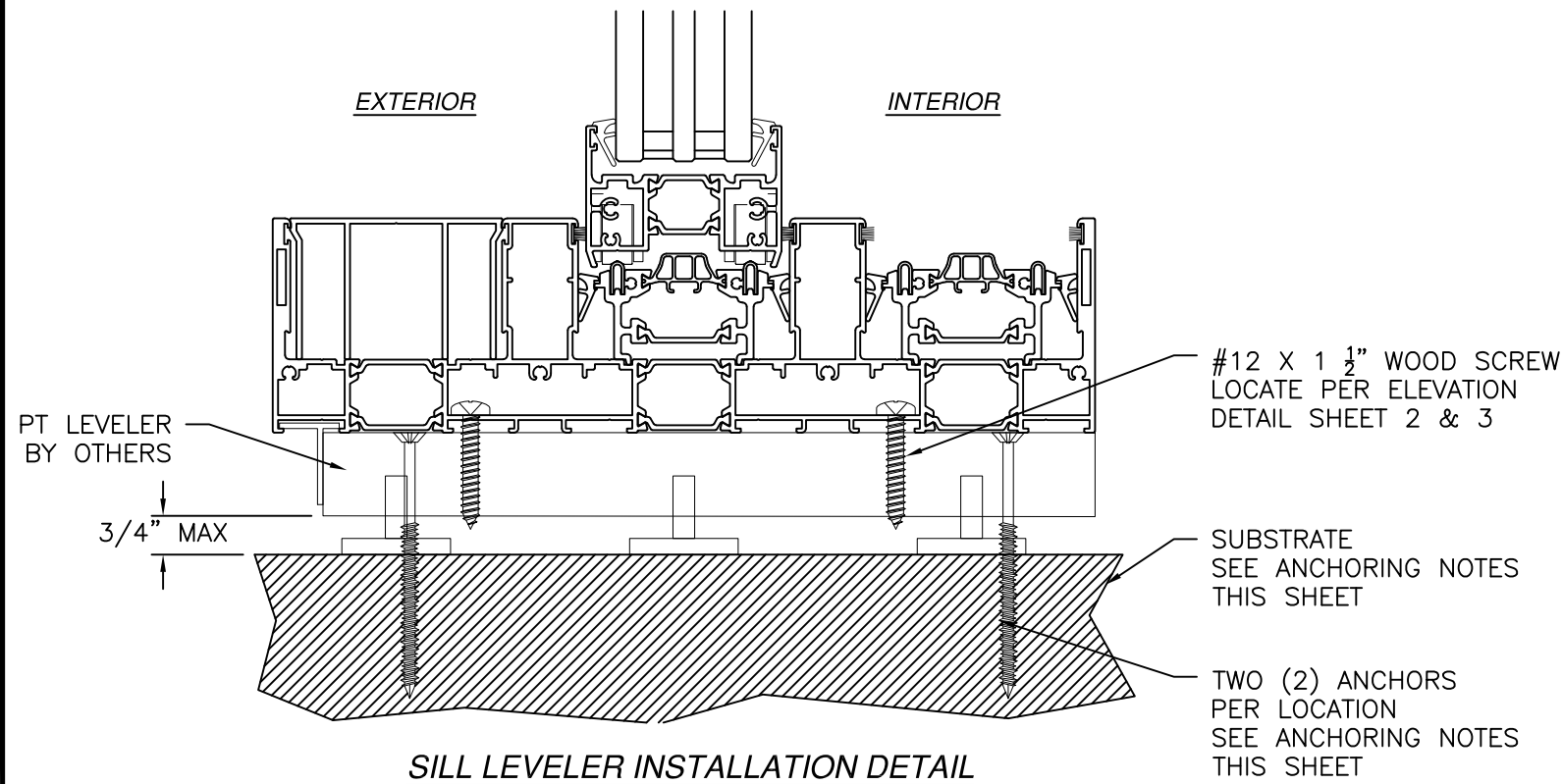
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Luis R. Lomas P.E.
 FL No.: 62514



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.C. UP TO 100PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 8" MAX O.C.
 - 6.C. UP TO 112.5PSF RATINGS, LOCATE ANCHORS 6" FROM EACH CORNER AND 7 1/2" MAX O.C.

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			
REV	DESCRIPTION	DATE	
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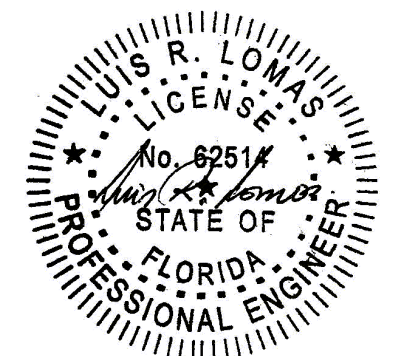
NANA WALL SYSTEMS, INC
 100 MEADOWCREEK DRIVE, SUITE 250
 CORTE MADERA, CA 94925

**CERO III REINFORCED SLIDING GLASS DOOR
 NON-IMPACT
 INSTALLATION DETAILS**

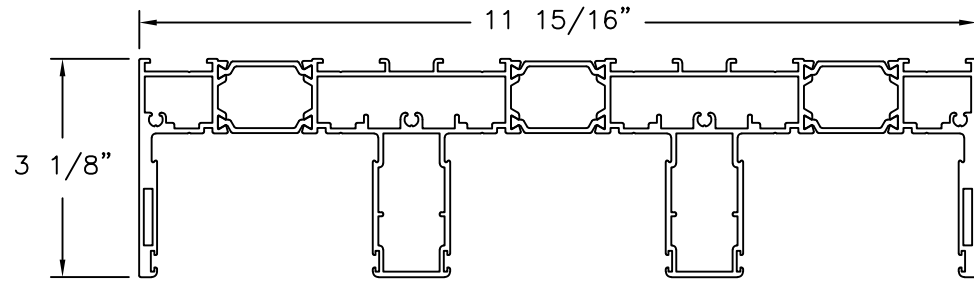
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 208 7th Ave, INDIANLANTIC, FL 32903
 434-688-0609 rllomas@rlomaspe.com

DWG NO. 08-03991	SHEET 8 OF 11
SCALE NTS	REV C FPA -
DRAWN R.L.	DATE: 12/19/23

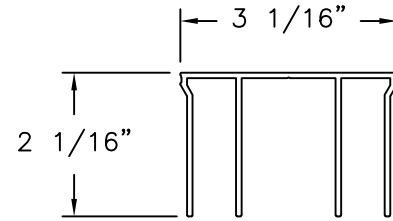
SIGNED: 08/12/2026



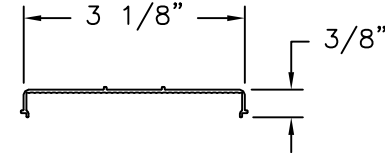
Luis R. Lomas P.E.
 FL No.: 62514



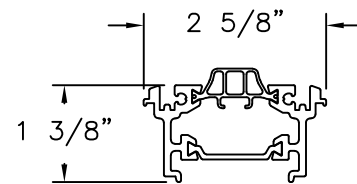
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Item Description:
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3 TRACK



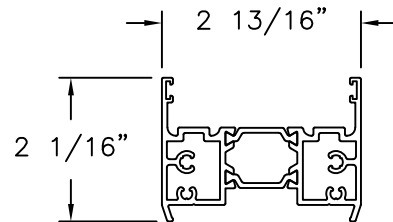
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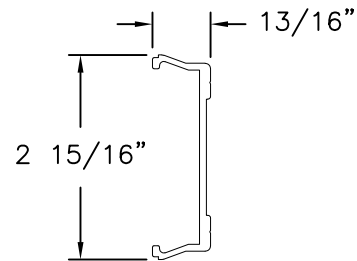
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Item Description:
POLYAMIDE COVER PROFILE
FOR HEAD TRACK



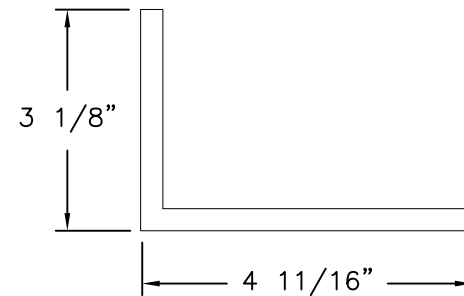
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Item Description:
6063-T5 ALUMINUM RUNNING TRACK



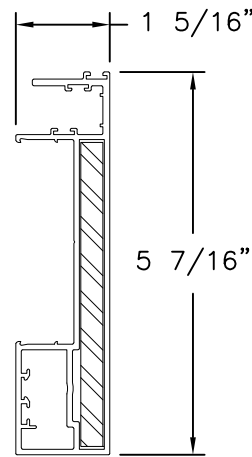
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Item Description:
6063-T5 ALUMINUM PANEL PROFILE
TOP AND BOTTOM



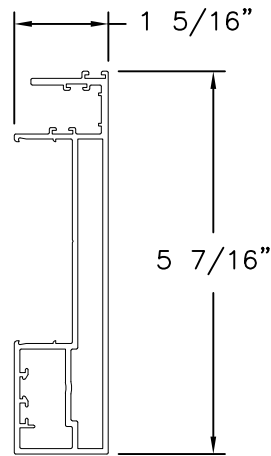
Part No. 5-200-31-X
Item Description:
POLYAMIDE VERTICAL PANEL
PROFILE (STILE COMPONENT)



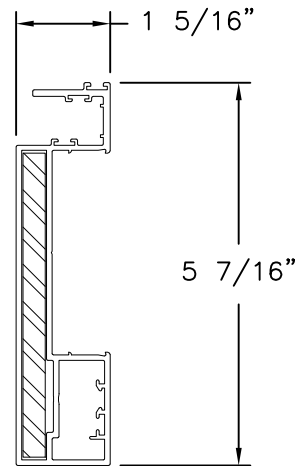
Part No. 30-0-276-X
Item Description:
ALUMINUM CORNER PROFILE 120X80X8



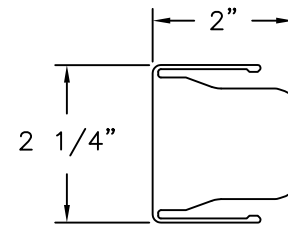
Part No. 5-200-38-X
Item Description:
6063-T5 ALUMINUM LATERAL PANEL
CONNECTION PROFILE, PARALLEL
DIRECTION (STILE) WITH STEEL
REINFORCEMENT



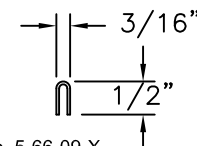
Part No. 5-200-38-X
Item Description:
6063-T5 ALUMINUM LATERAL PANEL
CONNECTION PROFILE, PARALLEL
DIRECTION (STILE)



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



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



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

REVISIONS		DATE
REV	DESCRIPTION	
C	REVISED CHARTS	05/30/26

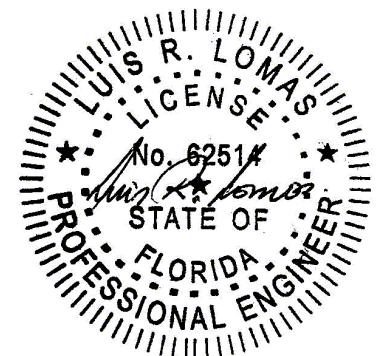
NANA WALL SYSTEMS, INC
100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

CERO III REINFORCED SLIDING GLASS DOOR
NON-IMPACT
COMPONENTS

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

DWG NO. 08-03991	SHEET 9 OF 11
SCALE NTS	REV C FPA -
DRAWN R.L.	DATE: 12/19/23

SIGNED: 08/12/2026



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