

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

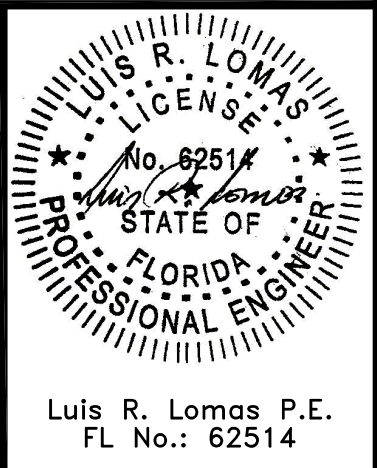
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 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 3/8".
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 #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" 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 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING INTO METAL STRUCTURE USE #12 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.

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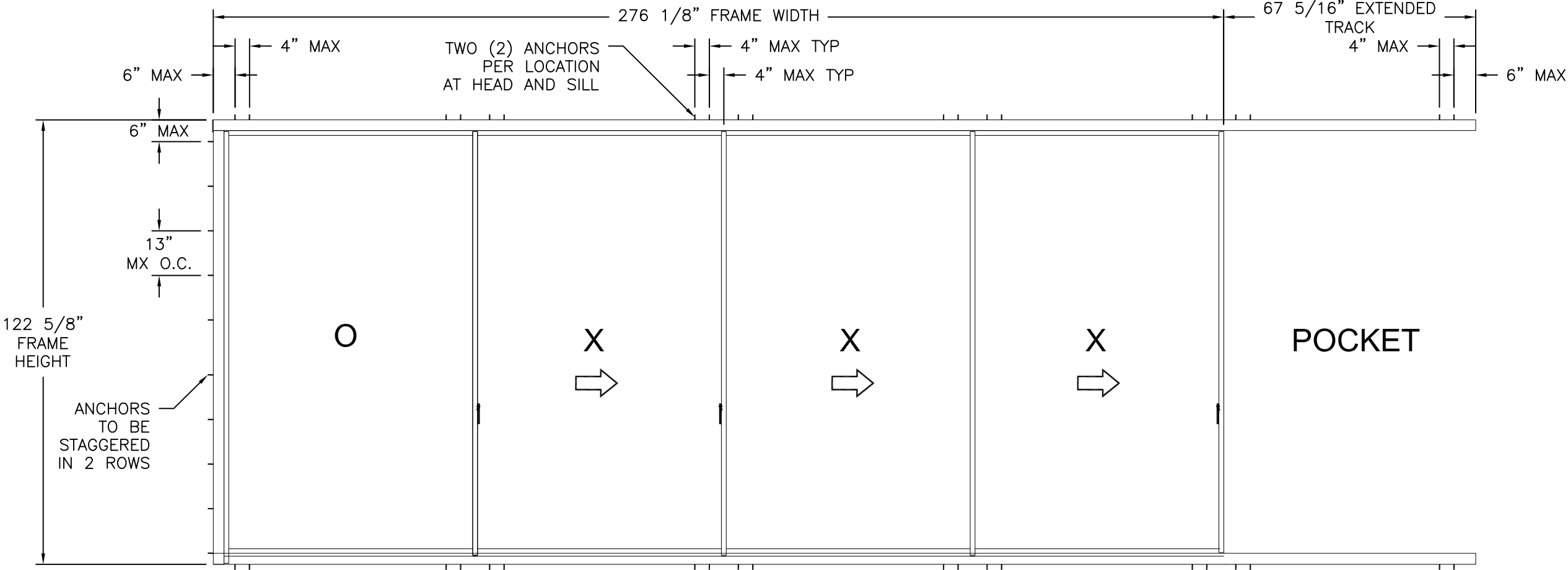
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1	NOTES
2 - 3	ELEVATION AND RATINGS
4	CROSS SECTIONS
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9	COMPONENTS

NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT NOTES		
DRAWN: R.L.	DWG NO. 08-03970	REV -
SCALE NTS	DATE 12/18/23	SHEET 1 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

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**CERO II REINFORCED SGD**  
INTERIOR VIEW

MULTIPLE PANELS IN MULTIPLE CONFIGURATIONS AND TRACKS APPROVED AS LONG AS  
INDIVIDUAL PANEL AREA DOES NOT EXCEED 56.49 FT<sup>2</sup>

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	NONE

SEE CHARTS #1 & #2 SHEET 3 FOR RATINGS

SIGNED: 12/21/2023

- 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.

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

CERO II REINFORCED SLIDING GLASS DOOR  
NON-IMPACT  
ELEVATION

DRAWN:  
R.L.

DWG NO.  
08-03970

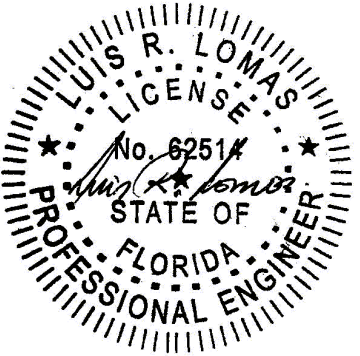
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12/18/23

SHEET  
2 OF 10

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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	
	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	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	-	-
98.00	83.5	90.0	83.5	90.0	83.0	83.0	75.5	75.5	72.3	72.3	69.2	69.2	63.9	63.9	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-
132.00	56.5	56.5	51.0	51.0	46.7	46.7	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Where water penetration is required

Chart #2  
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	
	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	-	-
98.00	90.0	90.0	90.0	90.0	83.0	83.0	75.5	75.5	72.3	72.3	69.2	69.2	63.9	63.9	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-
132.00	56.5	56.5	51.0	51.0	46.7	46.7	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Where water penetration is not required

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

CERO II REINFORCED SLIDING GLASS DOOR  
NON-IMPACT RATINGS

DRAWN: R.L.

DWG NO. 08-03970

REV -

SCALE NTS

DATE 12/18/23

SHEET 3 OF 10

L. ROBERTO LOMAS P.E.  
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LUIS R. LOMAS

LICENSE

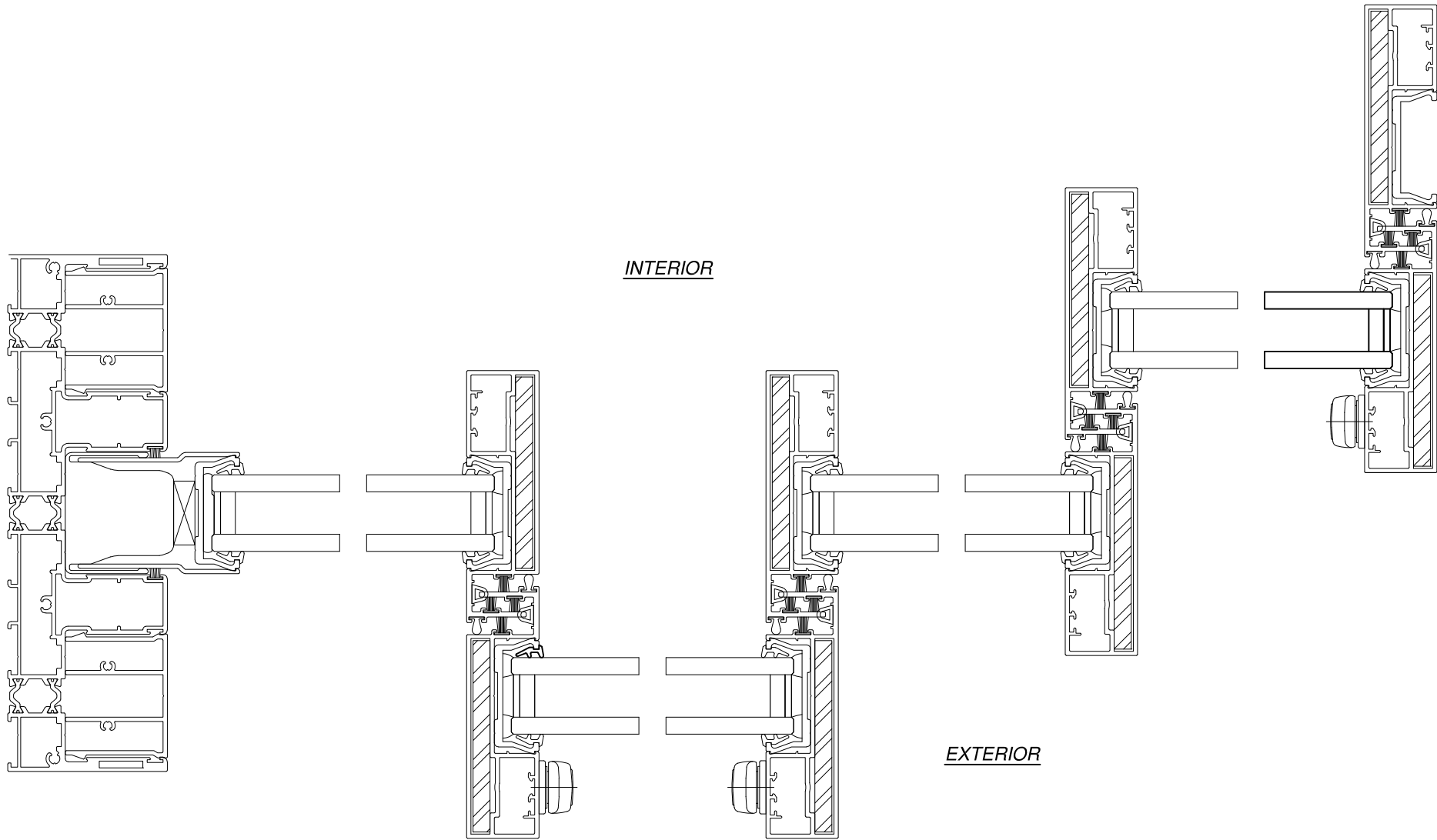
No. 62514

STATE OF FLORIDA

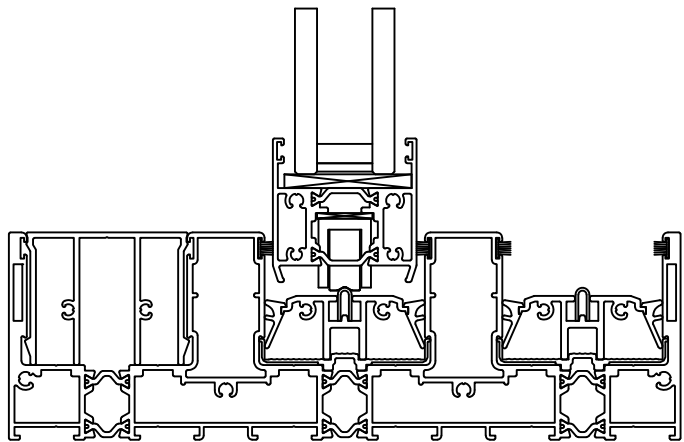
PROFESSIONAL ENGINEER

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HORIZONTAL CROSS SECTION



STANDARD SILL

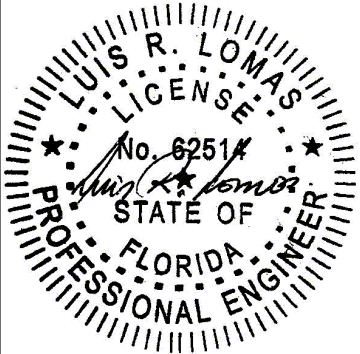
NANA WALL SYSTEMS, INC.  
100 MEADOWCREEK DRIVE, SUITE 250  
CORTE MADERA, CA 94925

CERO II REINFORCED SLIDING GLASS DOOR  
NON-IMPACT  
CROSS SECTIONS

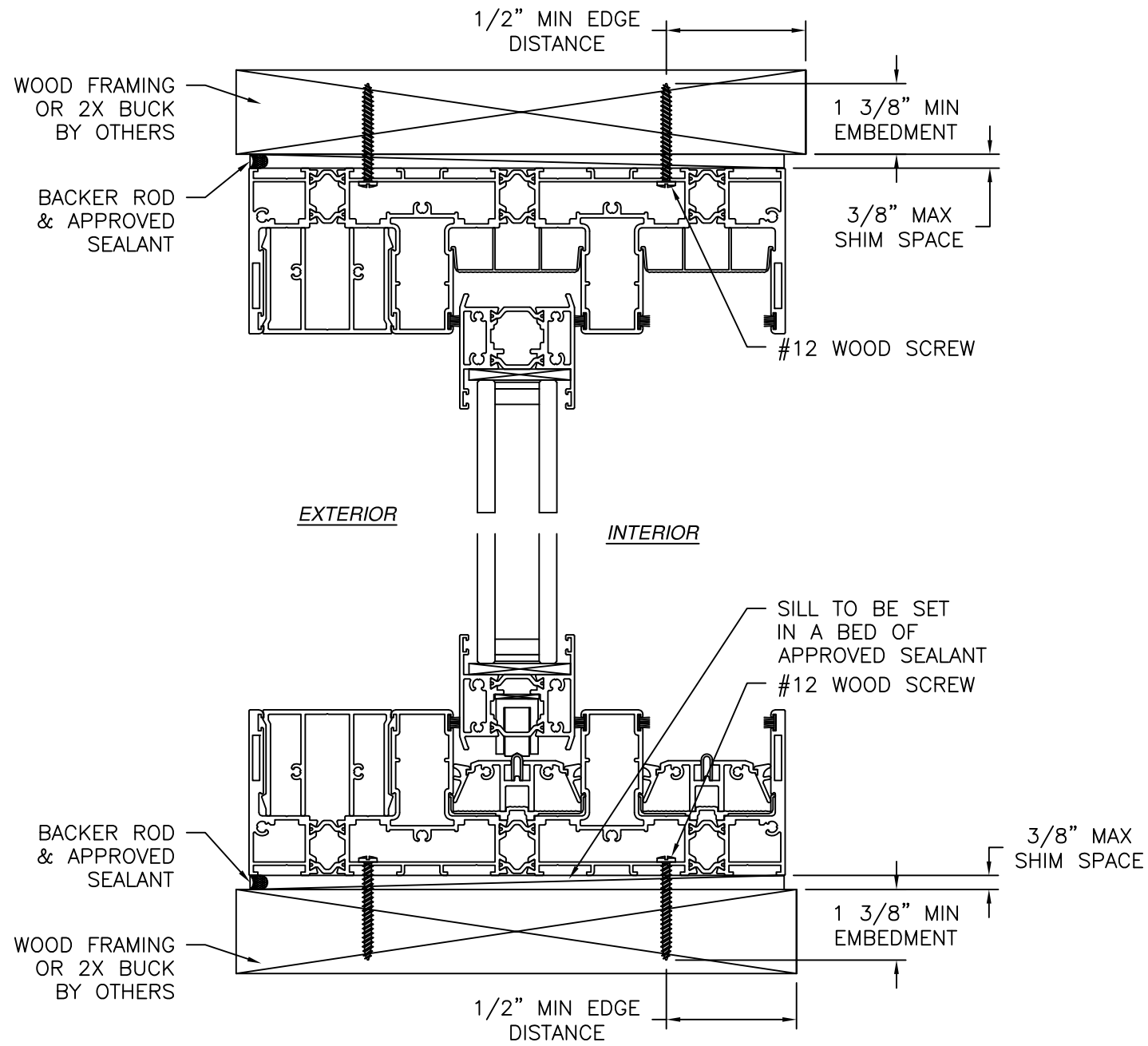
DRAWN: R.L.	DWG NO. 08-03970	REV -
SCALE NTS	DATE 12/18/23	SHEET 4 OF 10

L. ROBERTO LOMAS P.E.  
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434-688-0609 rllomas@lrlomaspe.com

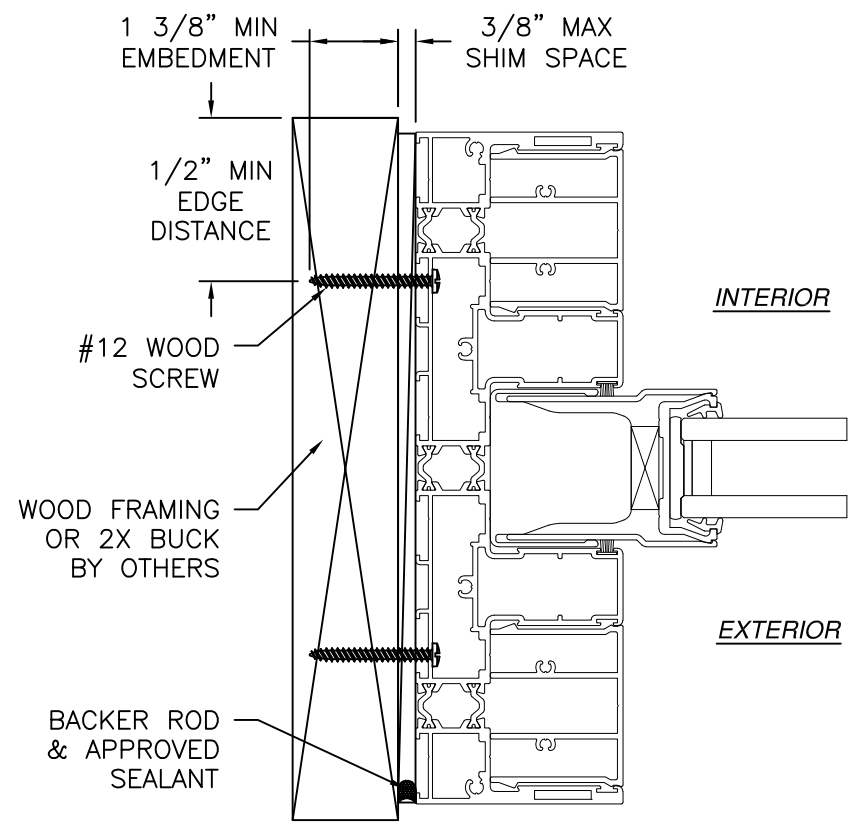
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FL No.: 62514



**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

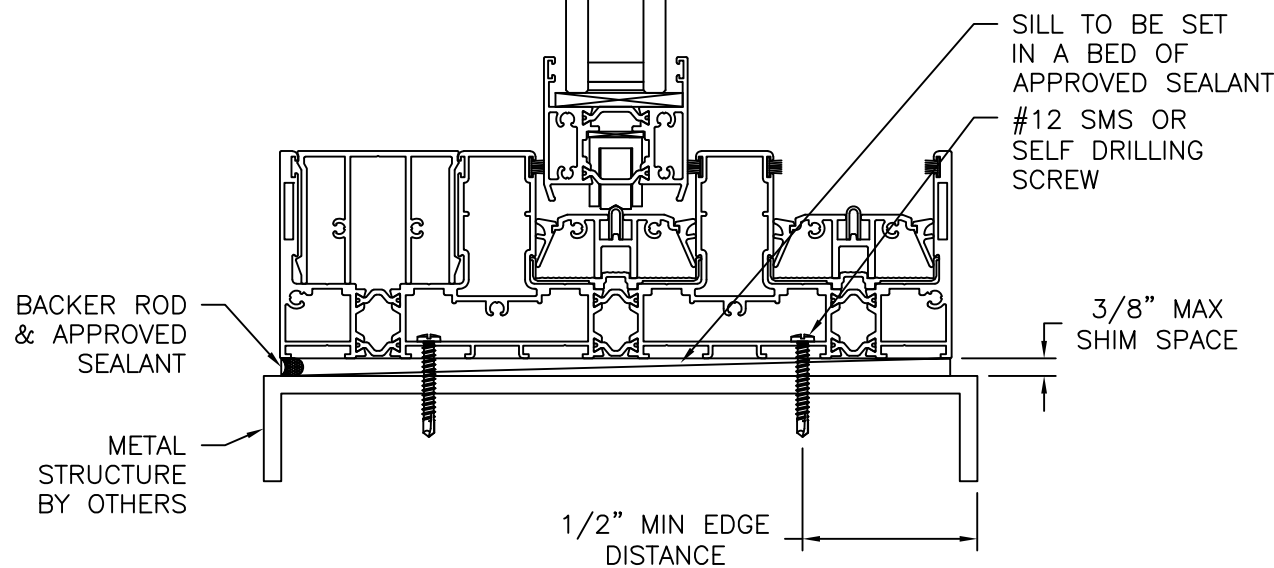
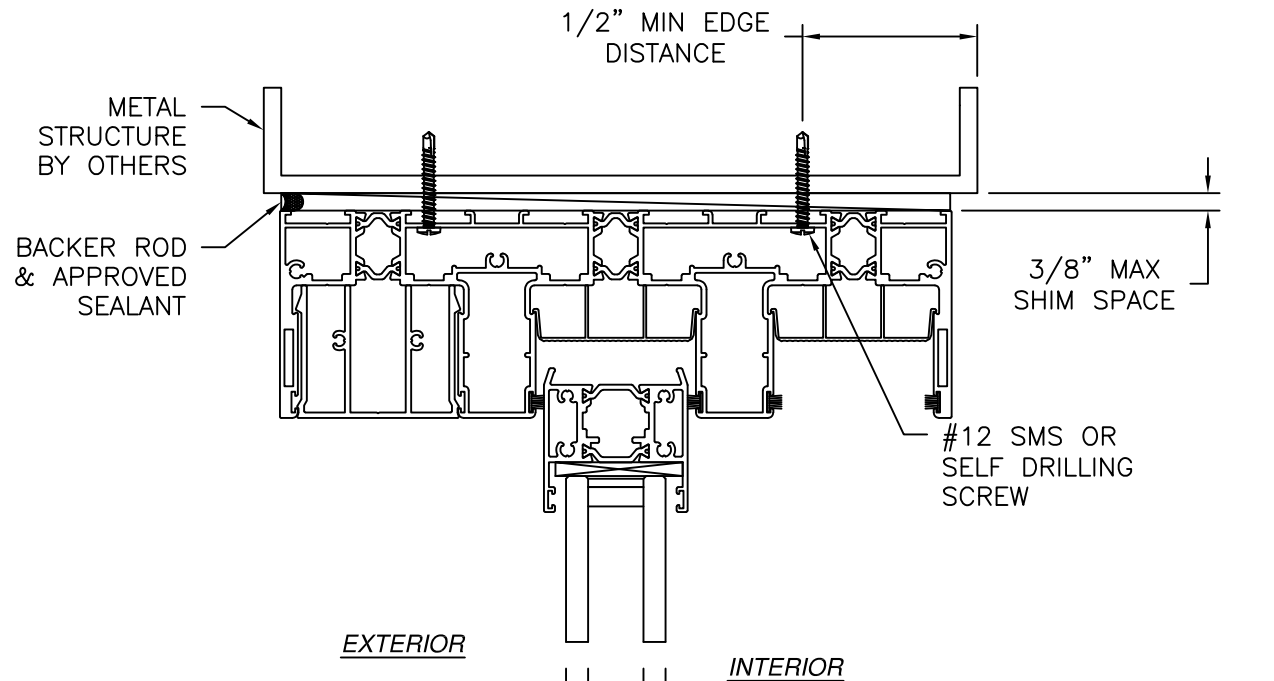
<b>NANA WALL SYSTEMS, INC.</b> 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
<b>CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS</b>		
DRAWN: R.L.	DWG NO. 08-03970	REV -
SCALE NTS	DATE 12/18/23	SHEET 5 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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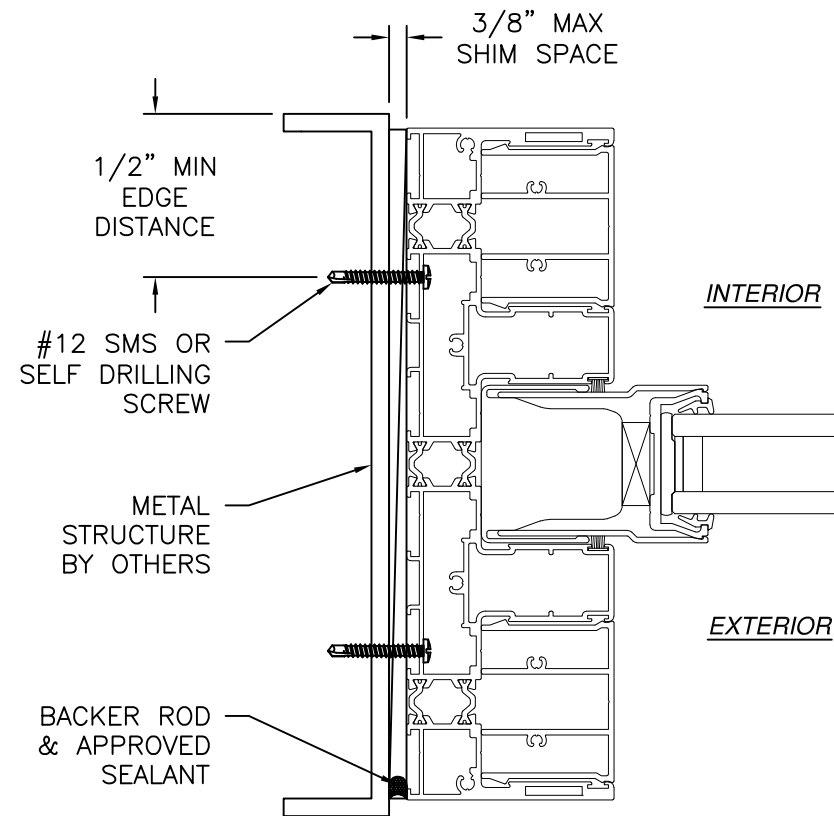
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**VERTICAL CROSS SECTION**  
STANDARD SILL SHOWN, OTHER SILLS SIMILAR  
METAL STRUCTURE INSTALLATION



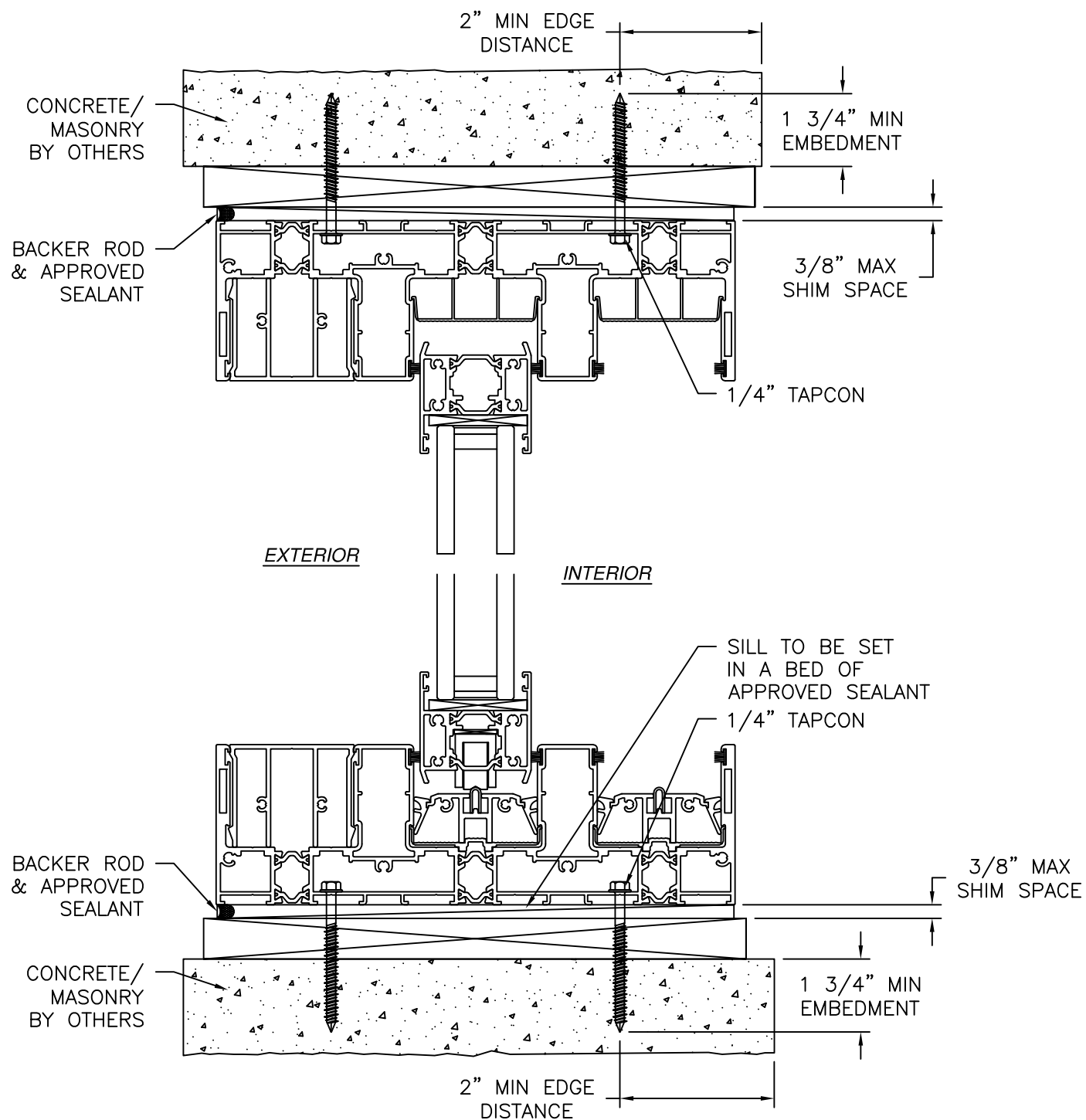
**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

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  - WEEPS NOT SHOWN FOR CLARITY

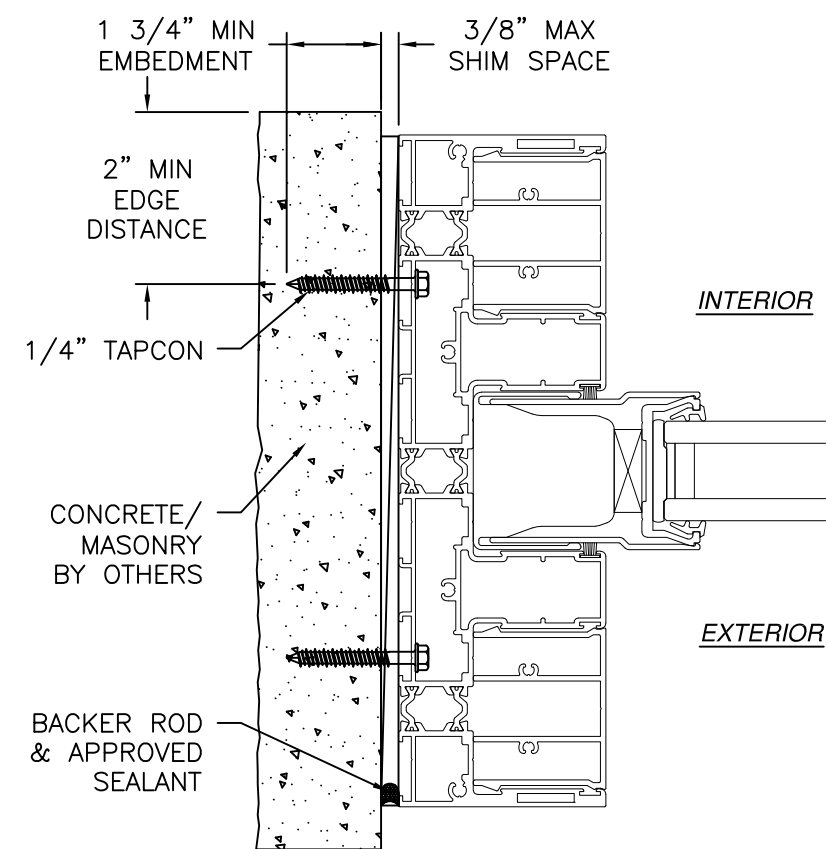
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<b>NANA WALL SYSTEMS, INC.</b> 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
<b>CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS</b>		
DRAWN: R.L.	DWG NO. 08-03970	REV -
SCALE NTS	DATE 12/18/23	SHEET 6 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

Luis R. Lomas P.E.  
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**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



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

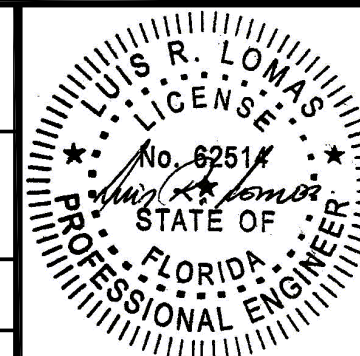
**NOTES:**

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3. WEEPS NOT SHOWN FOR CLARITY

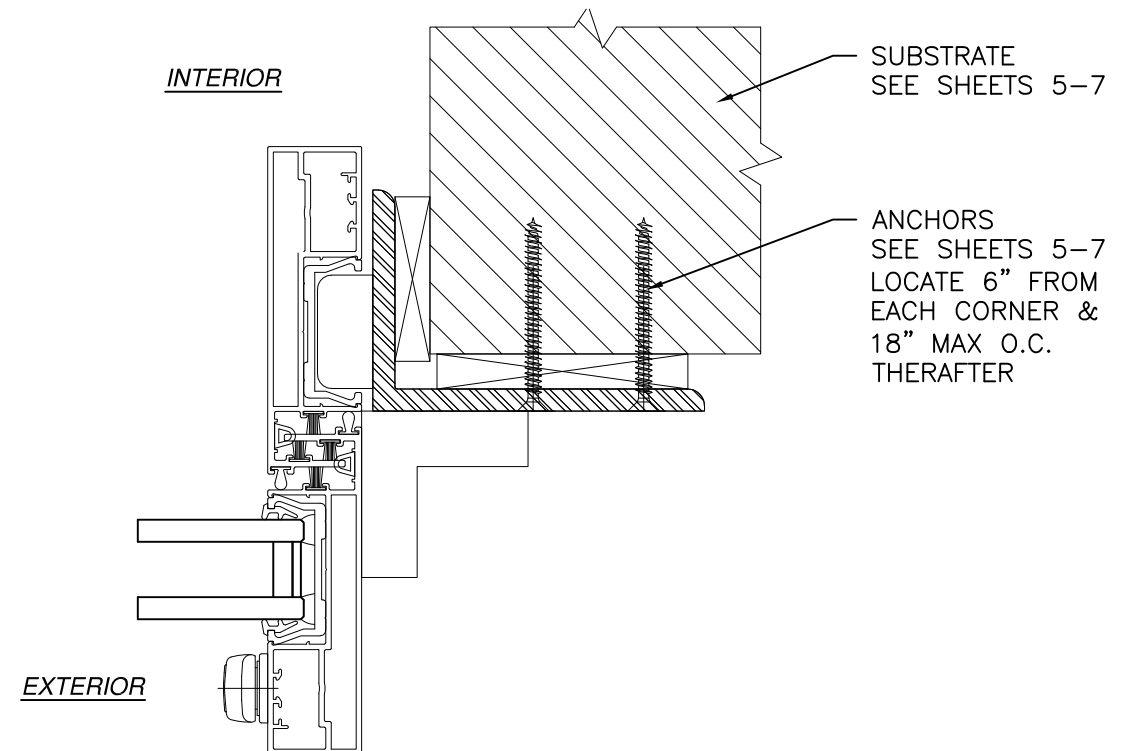
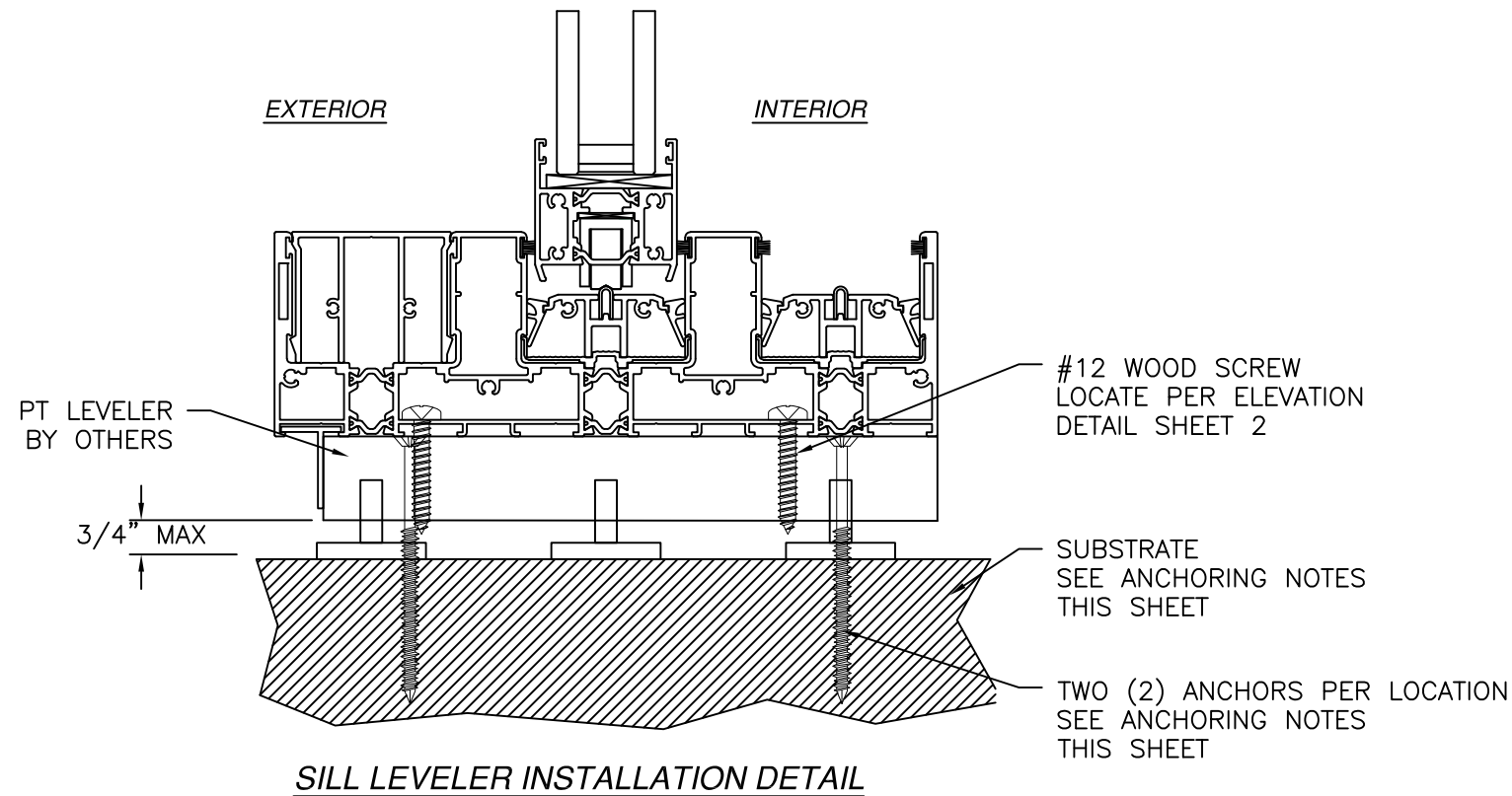
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<b>NANA WALL SYSTEMS, INC.</b> 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
<b>CERO II REINFORCED SLIDING GLASS DOOR          NON-IMPACT          INSTALLATION DETAILS</b>		
DRAWN: R.L.	DWG NO. 08-03970	REV -
SCALE NTS	DATE 12/18/23	SHEET 7 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



#### 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.

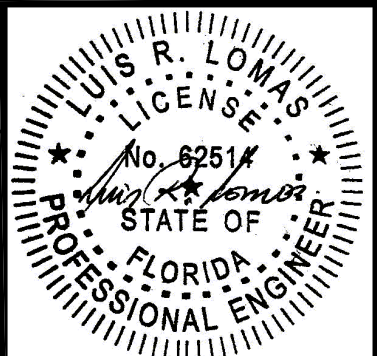
#### NOTES:

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3. WEEPS NOT SHOWN FOR CLARITY

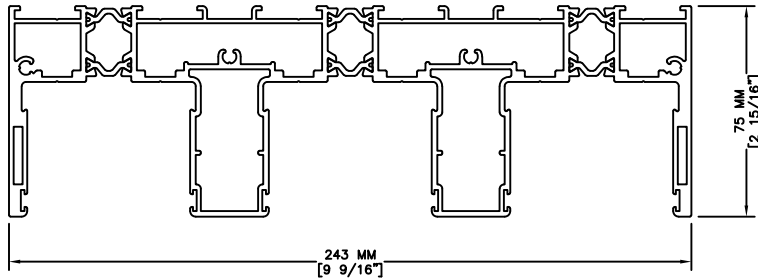
POCKET JAMB INSTALLATION DETAIL

<b>NANA WALL SYSTEMS, INC.</b> 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
<b>CERO II REINFORCED SLIDING GLASS DOOR NON-IMPACT INSTALLATION DETAILS</b>		
DRAWN: R.L.	DWG NO. 08-03970	REV -
SCALE NTS	DATE 12/18/23	SHEET 8 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

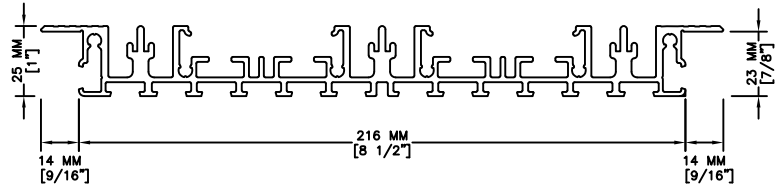
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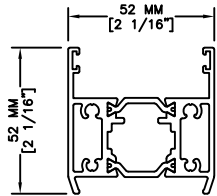
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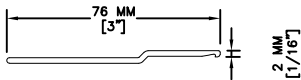
Part No. 5-220-03-X  
Item Description:  
6063-T5 ALUMINUM FRAME  
PROFILE FOR 3-TRACKS



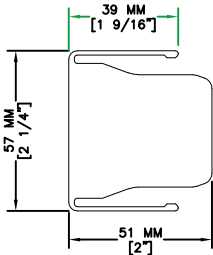
Part No. 5-210-28-X  
Item Description:  
6063-T5 ALUMINUM FLUSH SILL  
FOR 3-TRACKS



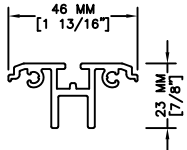
Part No. 5-220-08-X  
Item Description:  
6063-T5 ALUMINUM PANEL  
PROFILE TOP / BOTTOM



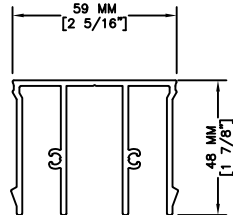
Part No. 5-210-21-X  
Item Description:  
6063-T5 ALUMINUM COVER  
PROFILE FOR FIXED PANEL



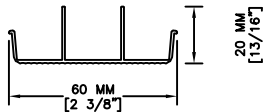
Part No. 15-210-40-X  
Item Description:  
POLYAMIDE CLAMPING PIECE FOR  
COVER PROFILE FIXED PANEL



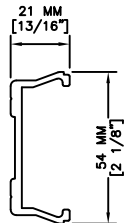
Part No. 5-210-04-X  
Item Description:  
6063-T5 ALUMINUM BOTTOM  
RUNNING TRACK



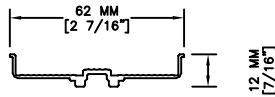
Part No. 5-210-05-X  
Item Description:  
6063-T5 ALUMINUM TRACK INFILL  
PROFILE



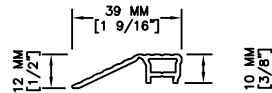
Part No. 5-220-06-X  
Item Description:  
POLYAMIDE COVER PROFILE  
FOR HEAD TRACK



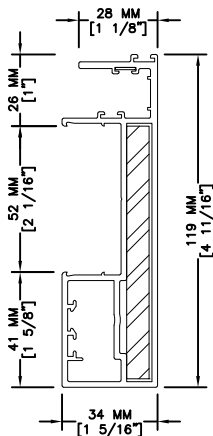
Part No. 5-220-09-X  
Item Description:  
POLYAMIDE VERTICAL PANEL  
PROFILE (STILE COMPONENT)



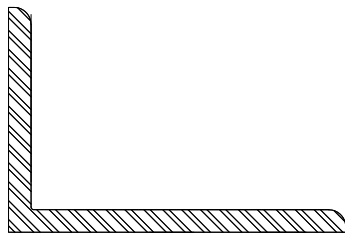
Part No. 5-210-06-X  
Item Description:  
POLYAMIDE BASE PLATE FOR  
RUNNING TRACK



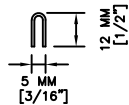
Part No. 5-0-1010-X  
Item Description:  
6063-T5 ALUMINUM ADAPTER  
PROFILE FOR SILL



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



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250  
CORTE MADERA, CA 94925

CERO II REINFORCED SLIDING GLASS DOOR  
NON-IMPACT  
COMPONENTS

DRAWN:  
R.L.

DWG NO.  
08-03970

REV  
-

SCALE  
NTS

DATE  
12/18/23

SHEET  
9 OF 10

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903  
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 12/21/2023

LUIS R. LOMAS  
LICENSE  
No. 62514  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

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