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, 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 REQUIRED 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 ALUMINUM 6063–T5.
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 THROUGH FRAME 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 THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2'' MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME 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: GROUT FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
    - 17.D. METAL STRUCTURE: STEEL 18GA (.048") FY= 33KSI/FU=52 KSI WITH WOOD BACKING OR MIN. ¼" THICK STRUCTURAL STEEL
18. APPROVED CONFIGURATIONS: 1L, 1R, 2L, 2R, 3L, 3R, 4L, 4R, 2L2R, 5L, 5R

TABLE OF CONTENTS

SIGNED: 12/16/2023

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

SL 45 INSWING FOLDING PANEL SYSTEM
NON–IMPACT
NOTES

DRAWN:	DWG NO.	REV
A.R.	08–03966	–

SCALE	DATE	SHEET
NTS	10/09/23	1 OF 7

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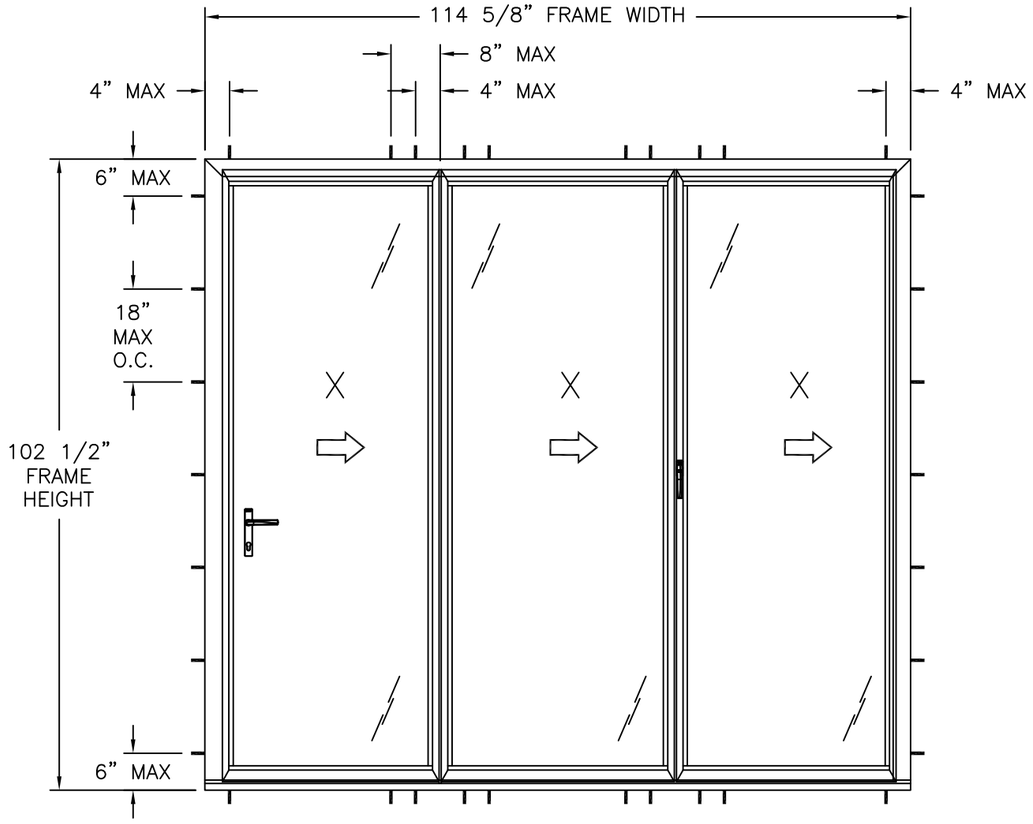
LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SL45 INSWING FOLDING PANEL SYSTEM

EXTERIOR VIEW

FOR APPROVED CONFIGURATIONS SEE NOTE 18, SHEET 1

FOR PANEL SIZES REFER TO CHARTS THIS SHEET

WHERE WATER PENETRATION RESISTANCE IS REQUIRED

DESIGN PRESSURE RATING	IMPACT RATING
±35.0PSF	NONE

SADDLE SILL

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED

DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-35.0PSF	NONE

STANDARD OR SADDDLE OR FLUSH SILL

Chart #1

Maximum Design pressure (psf)												
Panel Height (in)	***Single Panel Width (in)***											
	24.00		***30.00***		***36.00***		***38.13***		***42.00***		***48.00***	
	Pos	***Neg***	***Pos***	***Neg***	***Pos***	***Neg***	***Pos***	***Neg***	***Pos***	***Neg***	***Pos***	***Neg***
80.00	35.0	52.5	35.0	52.5	35.0	45.4	35.0	42.9	35.0	38.9	35.0	34.1
84.00	35.0	52.5	35.0	50.9	35.0	43.2	35.0	40.8	35.0	37.1	35.0	32.4
90.00	35.0	52.5	35.0	46.8	35.0	40.4	35.0	38.1	35.0	34.6	34.6	30.3
96.00	35.0	52.2	35.0	43.3	35.0	37.5	35.0	35.7	35.0	32.4	32.4	28.4
98.00	35.0	51.0	35.0	42.3	35.0	36.6	35.0	35.0	35.0	31.8	31.8	27.8
102.00	35.0	47.4	35.0	38.4	35.0	32.5	35.0	30.9	32.4	28.4	29.0	25.4
108.00	35.0	39.8	35.0	32.2	31.1	27.2	29.6	25.9	27.1	23.7	24.2	21.2
114.00	35.0	33.8	31.2	27.3	26.3	23.1	25.0	21.9	22.9	20.1	20.4	17.9
120.00	33.1	28.9	26.7	23.4	22.5	19.7	21.3	18.7	19.5	17.1	17.4	15.2
126.00	28.5	25.0	23.0	20.1	19.4	16.9	18.4	16.1	16.8	-	-	-
132.00	24.8	21.7	20.0	17.5	16.8	-	-	-	-	-	-	-

SADDLE SILL

WHERE WATER PENETRATION RESISTANCE IS REQUIRED

Chart #2

Maximum Design pressure (psf)												
Panel Height (in)	***Single Panel Width (in)***											
	24.00		***30.00***		***36.00***		***38.13***		***42.00***		***48.00***	
	Pos	***Neg***	***Pos***	***Neg***	***Pos***	***Neg***	***Pos***	***Neg***	***Pos***	***Neg***	***Pos***	***Neg***
80.00	60.0	52.5	60.0	52.5	51.9	45.4	49.0	42.9	44.5	38.9	38.9	34.1
84.00	60.0	52.5	58.2	50.9	49.4	43.2	46.7	40.8	42.4	37.1	37.1	32.4
90.00	60.0	52.5	53.5	46.8	46.1	40.4	43.6	38.1	39.5	34.6	34.6	30.3
96.00	59.7	52.2	49.5	43.3	42.9	37.5	40.8	35.7	37.1	32.4	32.4	28.4
98.00	58.3	51.0	48.3	42.3	41.8	36.6	40.0	35.0	36.3	31.8	31.8	27.8
102.00	54.2	47.4	43.9	38.4	37.2	32.5	35.3	30.9	32.4	28.4	29.0	25.4
108.00	45.5	39.8	36.8	32.2	31.1	27.2	29.6	25.9	27.1	23.7	24.2	21.2
114.00	38.6	33.8	31.2	27.3	26.3	23.1	25.0	21.9	22.9	20.1	20.4	17.9
120.00	33.1	28.9	26.7	23.4	22.5	19.7	21.3	18.7	19.5	17.1	17.4	15.2
126.00	28.5	25.0	23.0	20.1	19.4	16.9	18.4	16.1	16.8	-	-	-
132.00	24.8	21.7	20.0	17.5	16.8	-	-	-	-	-	-	-

STANDARD OR SADDLE OR FLUSH SILL

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED

SIGNED: 12/16/2023

NOTES:

1. *PRIMARY PANEL SIZE: 38 1/8" X 98"*
2. *CENTER FOLDING PANEL SIZE: 37 1/2" X 98"*
3. *JAMB FOLDING PANEL SIZE: 35 1/4" X 98"*
4. *D.L.O. SIZE: 34" X 93 7/8"*

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

SL 45 INSWING FOLDING PANEL SYSTEM
NON-IMPACT
ELEVATION

DRAWN:	DWG NO.	REV
A.R.	08-03966	-

SCALE	DATE	SHEET
NTS	10/09/23	2 OF 7

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Luis R. Lomas P.E.
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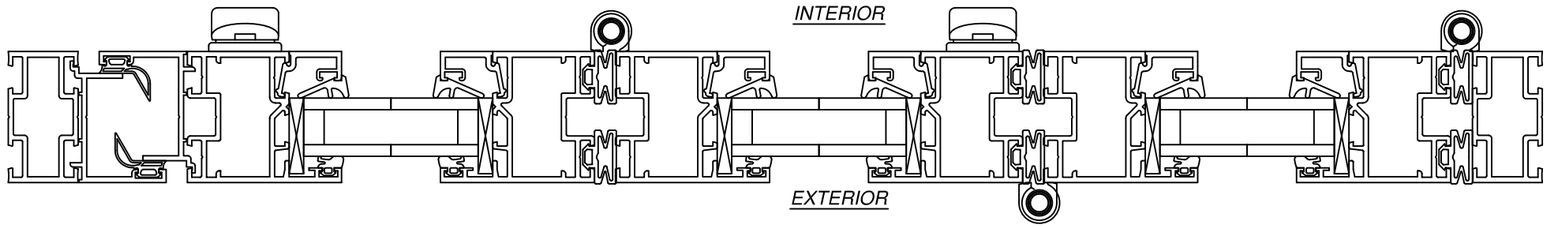
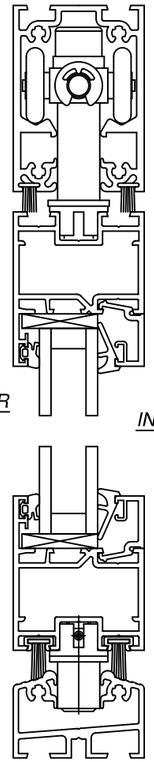
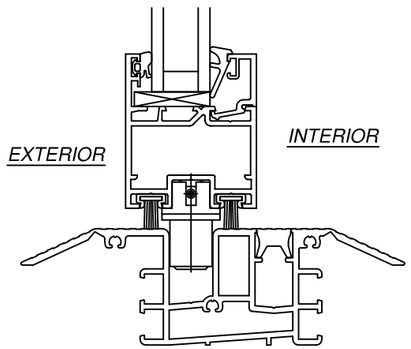
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



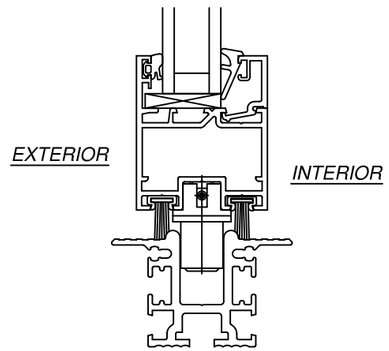
HORIZONTAL CROSS SECTION



VERTICAL CROSS SECTION
WITH STANDARD SILL



VERTICAL CROSS SECTION
WITH SADDLE SILL



VERTICAL CROSS SECTION
WITH FLUSH SILL

SIGNED: 12/16/2023

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100 MEADOWCREEK DRIVE, SUITE 250
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SL 45 INSWING FOLDING PANEL SYSTEM
NON-IMPACT
CROSS SECTION

DRAWN:	DWG NO.	REV
A.R.	08-03966	–
SCALE NTS	DATE 10/09/23	SHEET 3 OF 7

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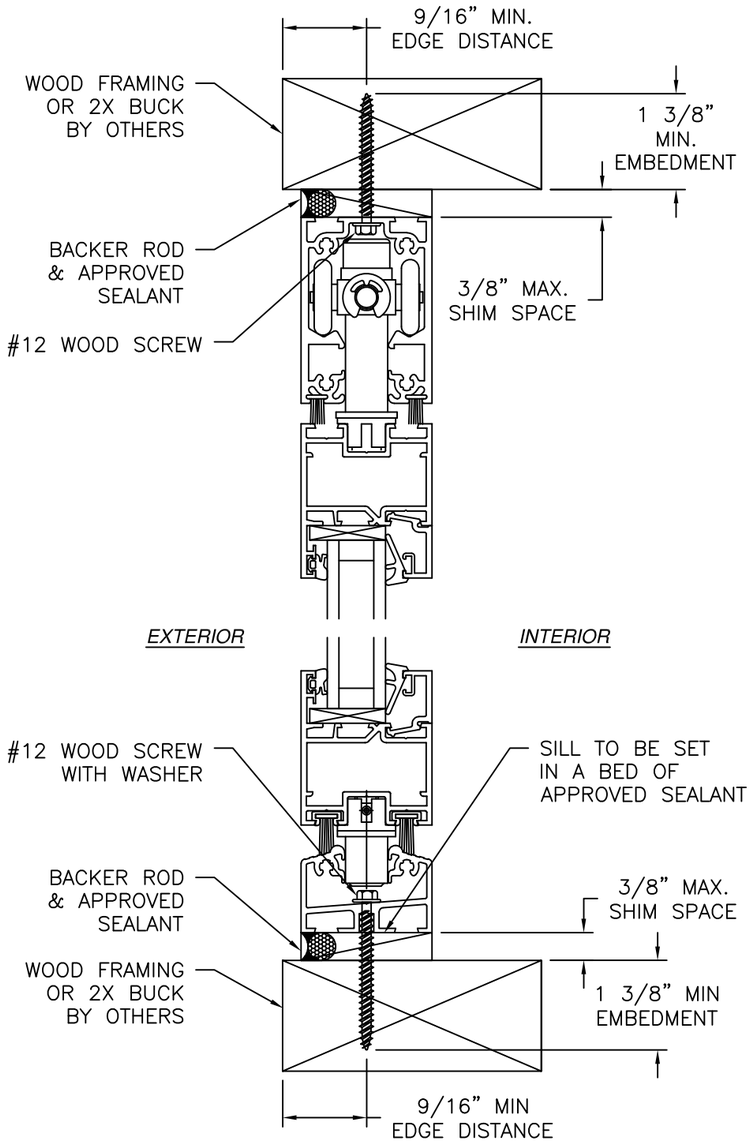
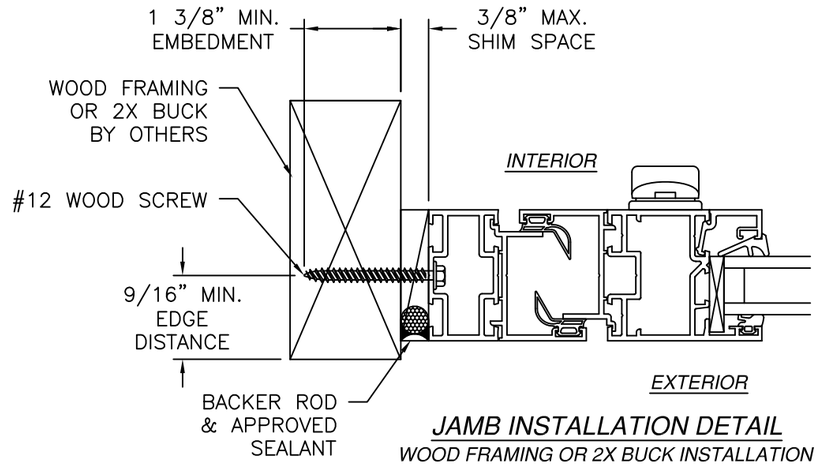


VERTICAL CROSS SECTION

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



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. *WEEP HOLES IN SADDLE SILL ARE FIELD INSTALLED AND ARE NOT SHOWN FOR CLARITY*

SIGNED: 12/16/2023

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

SL 45 INSWING FOLDING PANEL SYSTEM
NON-IMPACT
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
A.R.	08-03966	–
SCALE NTS	DATE 10/09/23	SHEET 4 OF 7

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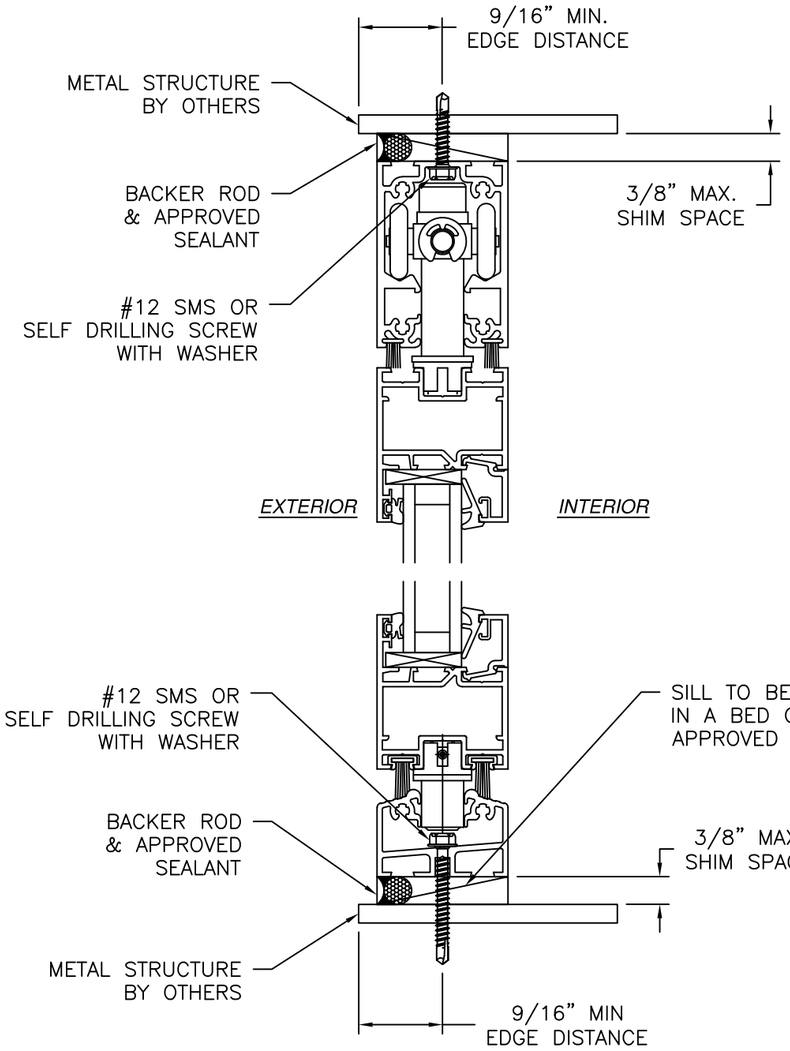
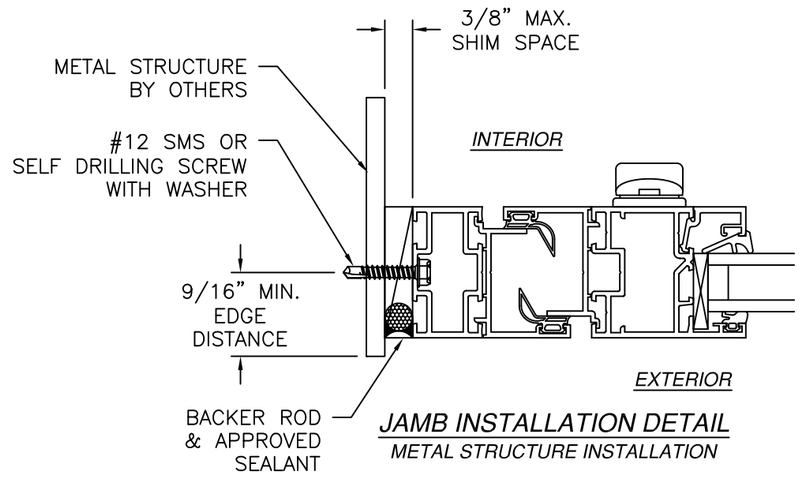


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION
STANDARD SILL SHOWN, OTHER SILLS SIMILAR



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. *WEEP HOLES IN SADDLE SILL ARE FIELD INSTALLED AND ARE NOT SHOWN FOR CLARITY*

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

SL 45 INSWING FOLDING PANEL SYSTEM
NON-IMPACT
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
A.R.	08-03966	–
SCALE NTS	DATE 10/09/23	SHEET 5 OF 7

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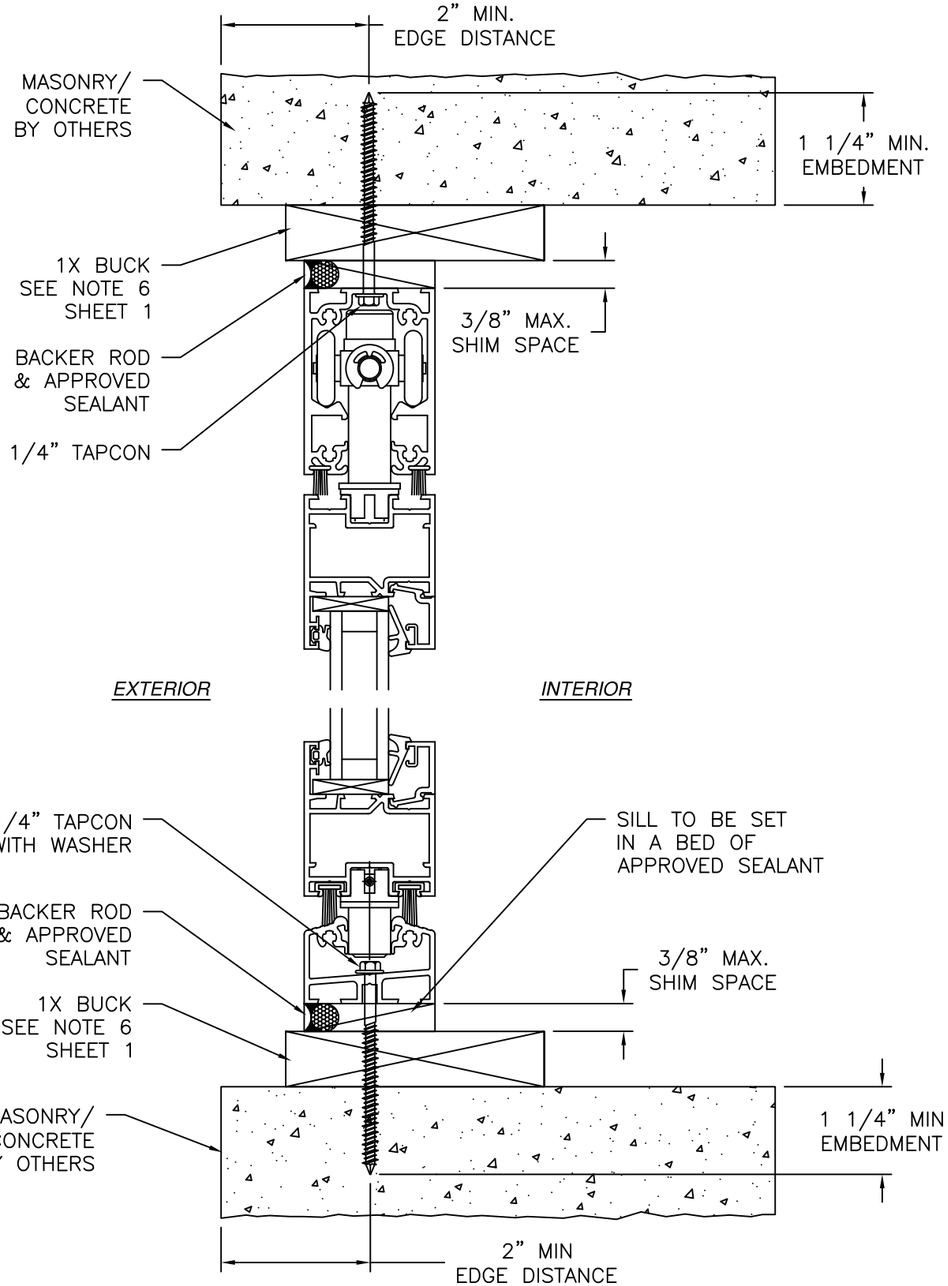
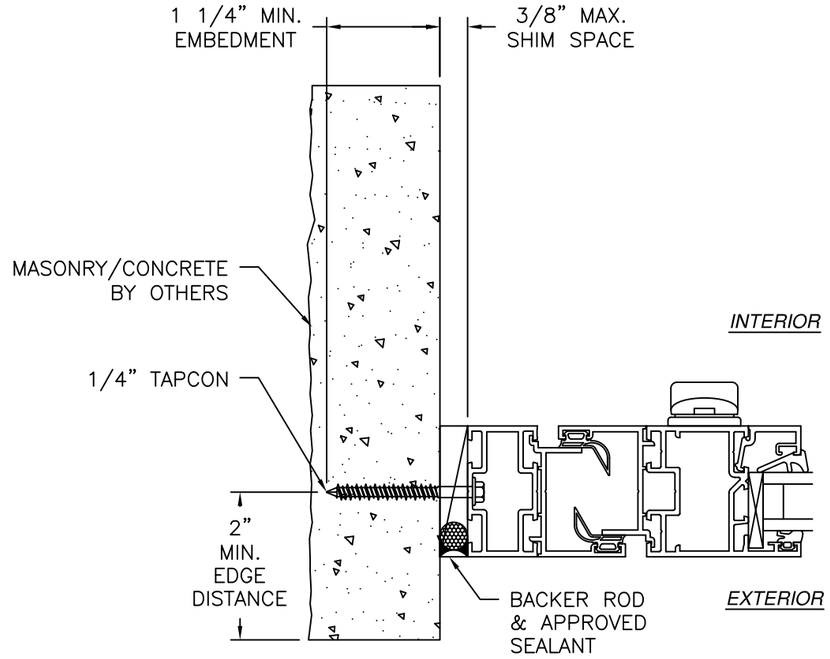
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION

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



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*
3. *WEEP HOLES IN SADDLE SILL ARE FIELD INSTALLED AND ARE NOT SHOWN FOR CLARITY*

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SL 45 INSWING FOLDING PANEL SYSTEM
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DRAWN:	DWG NO.	REV
A.R.	08–03966	–
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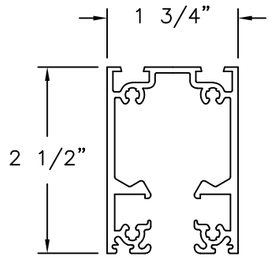
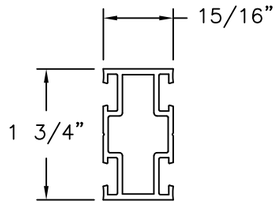
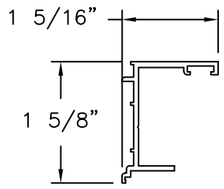


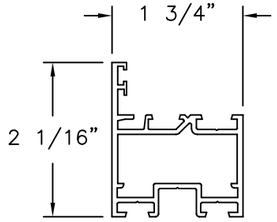
FRAME TOP RAIL
ALUMINUM 6063-T5



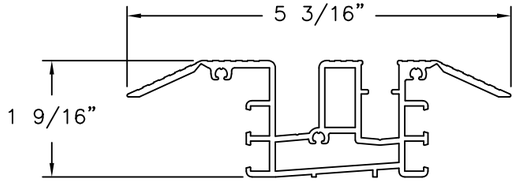
FRAME STILE
ALUMINUM 6063-T5



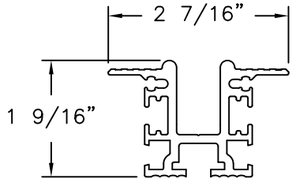
FRAME EXTENDER
ALUMINUM 6063-T5



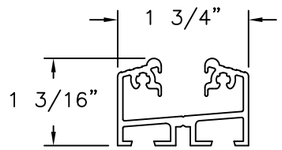
PANEL FRAME
ALUMINUM 6063-T5



SADDLE SILL
ALUMINUM 6063-T5



FLUSH SILL
ALUMINUM 6063-T5



STANDARD SILL
ALUMINUM 6063-T5

SIGNED: 12/16/2023

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

SL 45 INSWING FOLDING PANEL SYSTEM
NON-IMPACT
COMPONENTS

DRAWN:	DWG NO.	REV
A.R.	08-03966	-

SCALE	DATE	SHEET
NTS	10/09/23	7 OF 7

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