

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 AND METAL 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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. 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.
5. 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.
6. 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.
7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. 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”.
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED ALUMINUM 6063–T5.
12. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4” TAPCONS 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.
16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #14 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

C. MASONRY: GROUT FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/4” THICK MINIMUM WITH WOOD BACKING

SIGNED: 10/06/2021

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NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250

CORTE MADERA, CA 94925

SERIES NW ALUMINUM 840/SL84/HIGHLINE

OUTSWING FOLDING DOOR NON IMPACT

NOTES

DRAWN: A.R.

DWG NO. 08–03749

REV –

SCALE NTS

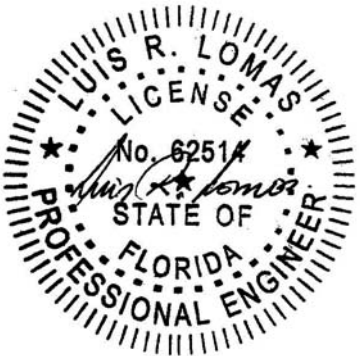
DATE 07/26/2021

SHEET 1 OF 10

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

WITH SADDLE SILL

DESIGN PRESSURE RATING	IMPACT RATING
±35.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION IS REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #5, SHEET 4

WITH UNIVERSILL

DESIGN PRESSURE RATING	IMPACT RATING
±40.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION IS REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #6, SHEET 5

WITH SADDLE SILL

DESIGN PRESSURE RATING	IMPACT RATING
+35.0/-55.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED AND L/175 DEFLECTION IS NOT REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #7, SHEET 5

WITH UNIVERSILL

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED AND L/175 DEFLECTION IS NOT REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #8, SHEET 5

WITH SADDLE OR FLUSH SILL

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION ARE NOT REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #9, SHEET 5

WITH FLUSH SILL

DESIGN PRESSURE RATING	IMPACT RATING
±35.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED AND L/175 DEFLECTION IS REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #10, SHEET 5

SIGNED: 10/06/2021

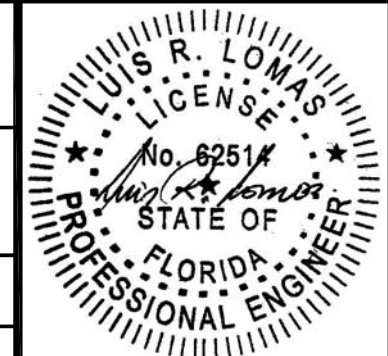
NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

SERIES NW ALUMINUM 840/SL84/HIGHLINE
OUTSWING FOLDING DOOR NON IMPACT
ELEVATION

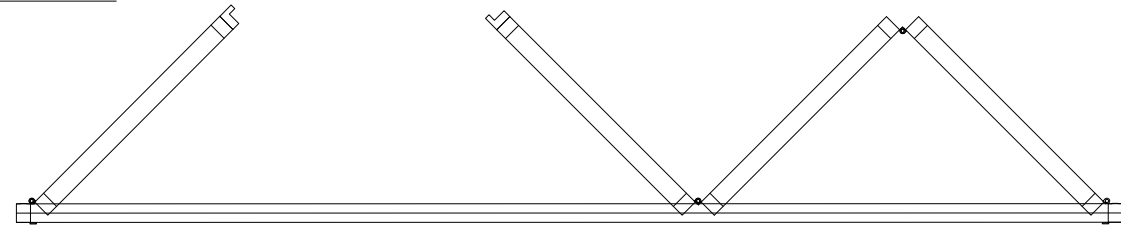
DRAWN: A.R.	DWG NO. 08-03749	REV -
SCALE NTS	DATE 07/26/2021	SHEET 2 OF 10

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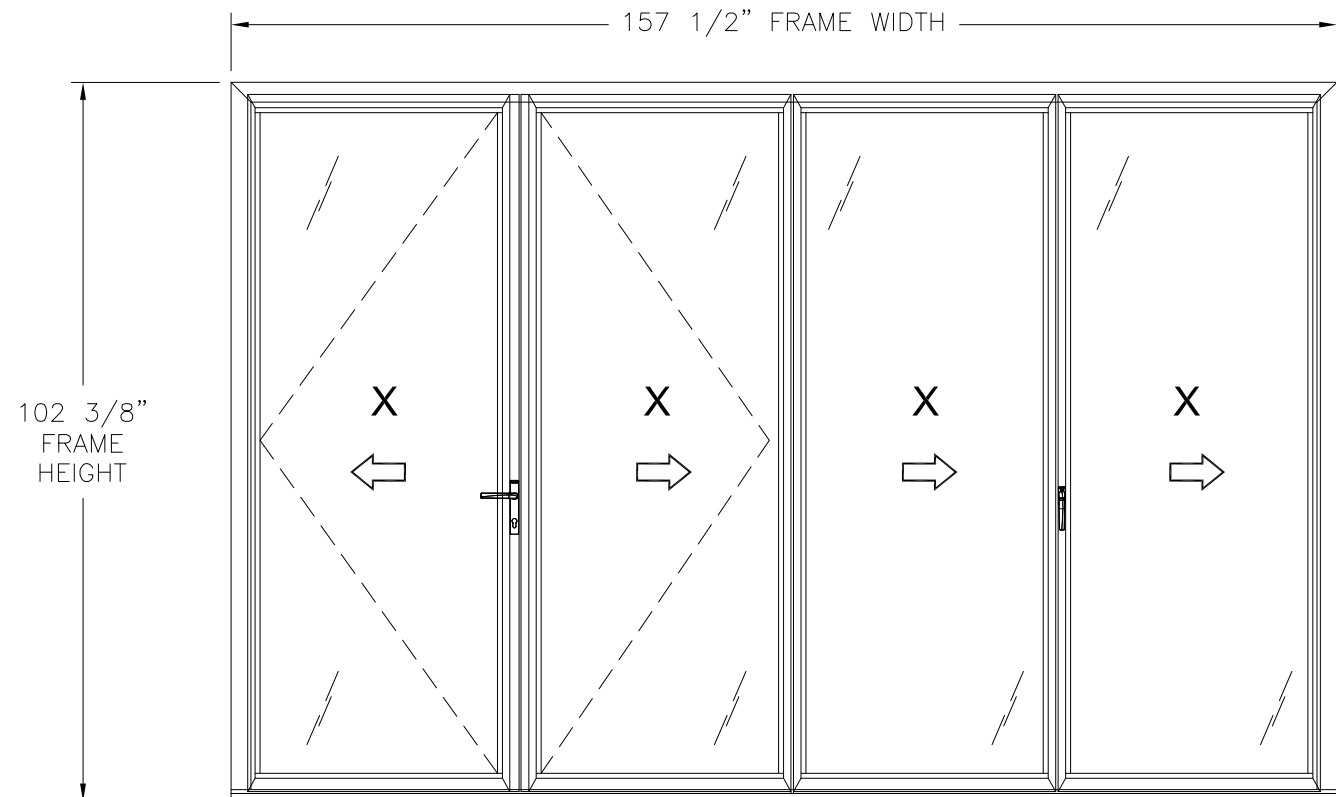


Luis R. Lomas P.E.
FL No.: 62514

EXTERIOR



INTERIOR



SERIES NW ALUMINUM 840 FOLDING PANEL SYSTEM OUTSWING

INTERIOR VIEW

UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED
FOR PANEL SIZES REFER TO CHARTS IN SHEET 3

WITH HYBRID SILL

DESIGN PRESSURE RATING	IMPACT RATING
+45.0/-40.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION IS REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #1 AND #3, SHEET 4

WITH HYBRID SILL W/IMPROVED WEEP SYSTEM

DESIGN PRESSURE RATING	IMPACT RATING
+50.0/-55.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE IS REQUIRED AND L/175 DEFLECTION IS NOT REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #2 AND #4, SHEET 4

NOTES:

1. LOCKING SWING PANEL SIZE: 41 1/16" X 97 5/8"
2. KEEPER FOLDING PANEL SIZE: 38 7/8" X 97 5/8"
3. FOLDING PANEL SIZE: 37 11/16" X 97 5/8"
4. JAMB LOCKING PANEL SIZE: 39 7/8" X 97 5/8"
5. D.L.O. SIZE: 31 1/2" X 90 1/2"

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

Chart #1

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	60.00	60.00	60.00	60.00	60.00	55.50	54.74	48.66	53.52	47.57	46.83	41.62
84.00	60.00	60.00	60.00	60.00	59.46	52.86	52.13	46.34	50.97	45.30	44.60	39.64
90.00	60.00	60.00	60.00	56.05	54.74	48.65	48.66	43.25	47.57	42.28	41.62	37.00
96.00	60.00	60.00	58.39	51.90	50.53	44.91	45.62	40.55	44.60	39.64	39.02	34.69
97.31	60.00	60.00	57.45	51.07	49.69	44.17	45.00	40.00	44.00	39.11	38.50	34.22
102.00	60.00	56.52	51.51	45.79	43.60	38.75	38.82	34.51	38.07	33.84	34.04	30.26
108.00	53.43	47.50	43.23	38.43	36.53	32.47	32.47	28.86	31.83	28.29	28.39	25.24
114.00	45.34	40.30	36.64	32.57	30.91	27.48	27.44	24.39	26.89	23.90	23.94	21.28
120.00	38.81	34.49	31.33	27.85	26.40	23.47	23.40	20.80	22.93	20.38	20.38	18.11
126.00	33.47	29.75	27.00	24.00	22.73	20.20	20.13	17.89	19.72	17.53	17.49	15.55
132.00	29.07	25.84	23.43	20.83	19.71	17.52	17.44	15.50	17.08	15.18	-	-

WITH HYBRID SILL WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION IS REQUIRED

Chart #2

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	60.00	82.50	60.00	82.50	60.00	76.31	60.00	66.90	59.46	65.41	52.03	57.23
84.00	60.00	82.50	60.00	82.50	60.00	72.68	57.92	63.72	56.63	62.29	49.55	54.51
90.00	60.00	82.50	60.00	77.07	60.00	66.90	54.06	59.47	52.86	58.14	46.25	50.87
96.00	60.00	82.50	60.00	71.36	56.14	61.75	50.68	55.75	49.55	54.51	43.36	47.69
97.31	60.00	82.50	60.00	70.22	55.21	60.73	50.00	55.00	48.88	53.77	42.77	47.05
102.00	60.00	77.71	57.24	62.96	48.44	53.29	43.13	47.45	42.30	46.53	37.82	41.60
108.00	59.37	65.31	48.03	52.84	40.59	44.64	36.07	39.68	35.37	38.90	31.54	34.70
114.00	50.38	55.41	40.71	44.78	34.35	37.78	30.49	33.53	29.88	32.87	26.60	29.26
120.00	43.12	47.43	34.81	38.29	29.33	32.27	26.00	28.60	25.48	28.03	22.64	24.90
126.00	37.19	40.91	30.00	33.00	25.25	27.78	22.36	24.60	21.91	24.10	19.44	21.38
132.00	32.30	35.53	26.04	28.64	21.90	24.09	19.37	21.31	18.98	20.87	16.82	18.50

WITH HYBRID SILL WHERE WATER PENETRATION RESISTANCE IS REQUIRED AND L/175 DEFLECTION IS NOT REQUIRED

Chart #3

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	86.93	60.00	72.76	60.00	62.44	55.50	54.74	48.66	53.52	47.57	46.83	41.62
84.00	82.10	60.00	68.54	60.00	59.46	52.86	52.13	46.34	50.97	45.30	44.60	39.64
90.00	75.79	60.00	63.06	56.05	54.74	48.65	48.66	43.25	47.57	42.28	41.62	37.00
96.00	70.38	60.00	58.39	51.90	50.53	44.91	45.62	40.55	44.60	39.64	39.02	34.69
97.31	69.29	60.00	57.45	51.07	49.69	44.17	45.00	40.00	44.00	39.11	38.50	34.22
102.00	63.58	56.52	51.51	45.79	43.60	38.75	38.82	34.51	38.07	33.84	34.04	30.26
108.00	53.43	47.50	43.23	38.43	36.53	32.47	32.47	28.86	31.83	28.29	28.39	25.24
114.00	45.34	40.30	36.64	32.57	30.91	27.48	27.44	24.39	26.89	23.90	23.94	21.28
120.00	38.81	34.49	31.33	27.85	26.40	23.47	23.40	20.80	22.93	20.38	20.38	18.11
126.00	33.47	29.75	27.00	24.00	22.73	20.20	20.13	17.89	19.72	17.53	17.49	15.55
132.00	29.07	25.84	23.43	20.83	19.71	17.52	17.44	15.50	17.08	15.18	-	-

WITH HYBRID SILL WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION IS REQUIRED

Chart #4

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	96.59	82.50	80.84	82.50	69.37	76.31	60.82	66.90	59.46	65.41	52.03	57.23
84.00	91.23	82.50	76.16	82.50	66.07	72.68	57.92	63.72	56.63	62.29	49.55	54.51
90.00	84.21	82.50	70.06	77.07	60.82	66.90	54.06	59.47	52.86	58.14	46.25	50.87
96.00	78.20	82.50	64.87	71.36	56.14	61.75	50.68	55.75	49.55	54.51	43.36	47.69
97.31	76.99	82.50	63.84	70.22	55.21	60.73	50.00	55.00	48.88	53.77	42.77	47.05
102.00	70.65	77.71	57.24	62.96	48.44	53.29	43.13	47.45	42.30	46.53	37.82	41.60
108.00	59.37	65.31	48.03	52.84	40.59	44.64	36.07	39.68	35.37	38.90	31.54	34.70
114.00	50.38	55.41	40.71	44.78	34.35	37.78	30.49	33.53	29.88	32.87	26.60	29.26
120.00	43.12	47.43	34.81	38.29	29.33	32.27	26.00	28.60	25.48	28.03	22.64	24.90
126.00	37.19	40.91	30.00	33.00	25.25	27.78	22.36	24.60	21.91	24.10	19.44	21.38
132.00	32.30	35.53	26.04	28.64	21.90	24.09	19.37	21.31	18.98	20.87	16.82	18.50

WITH HYBRID SILL AND IMPROVED WEEP SYSTEM WHERE WATER PENETRATION RESISTANCE IS REQUIRED AND L/175 DEFLECTION IS NOT REQUIRED

Chart #5

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	35.00	52.50	35.00	52.50	35.00	48.56	35.00	42.57	35.00	41.62	35.00	36.42
84.00	35.00	52.50	35.00	52.50	35.00	46.25	35.00	40.55	35.00	39.64	34.69	34.69
90.00	35.00	52.50	35.00	49.04	35.00	42.57	35.00	37.84	35.00	37.00	32.37	32.37
96.00	35.00	52.50	35.00	45.41	35.00	39.30	35.00	35.48	34.69	34.69	30.35	30.35
97.31	35.00	52.50	35.00	44.69	35.00	38.65	35.00	35.00	34.22	34.22	29.94	29.94
102.00	35.00	49.45	35.00	40.06	33.91	33.91	30.19	30.19	29.61	29.61	26.47	26.47
108.00	35.00	41.56	33.62	33.62	28.41	28.41	25.25	25.25	24.76	24.76	22.08	22.08
114.00	35.00	35.26	28.50	28.50	24.04	24.04	21.34	21.34	20.92	20.92	18.62	18.62
120.00	30.18	30.18	24.37	24.37	20.53	20.53	18.20	18.20	17.84	17.84	15.85	15.85
126.00	26.03	26.03	21.00	21.00	17.68	17.68	15.65	15.65	15.33	15.33	-	-
132.00	22.61	22.61	18.23	18.23	15.33	15.33	-	-	-	-	-	-

WITH SADDLE SILL WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION IS REQUIRED

SIGNED: 10/06/2021

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

SERIES NW ALUMINUM 840/SL84/HIGHLINE
OUTSWING FOLDING DOOR NON IMPACT
DESIGN PRESSURE CHARTS

DRAWN:
A.R.

DWG NO.
08-03749

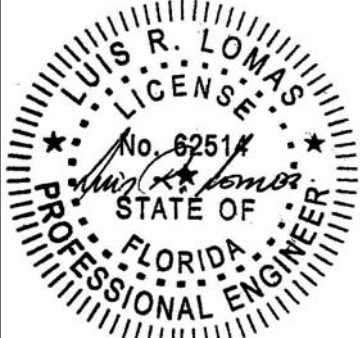
REV
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SHEET
4 OF 10

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REV	DESCRIPTION	DATE	APPROVED

Chart #6

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	60.00	60.00	60.00	60.00	55.50	55.50	48.66	48.66	47.57	47.57	41.62	41.62
84.00	60.00	60.00	60.00	60.00	52.86	52.86	46.34	46.34	45.30	45.30	39.64	39.64
90.00	60.00	60.00	56.05	56.05	48.65	48.65	43.25	43.25	42.28	42.28	37.00	37.00
96.00	60.00	60.00	51.90	51.90	44.91	44.91	40.55	40.55	39.64	39.64	34.69	34.69
97.31	60.00	60.00	51.07	51.07	44.17	44.17	40.00	40.00	39.11	39.11	34.22	34.22
102.00	56.52	56.52	45.79	45.79	38.75	38.75	34.51	34.51	33.84	33.84	30.26	30.26
108.00	47.50	47.50	38.43	38.43	32.47	32.47	28.86	28.86	28.29	28.29	25.24	25.24
114.00	40.30	40.30	32.57	32.57	27.48	27.48	24.39	24.39	23.90	23.90	21.28	21.28
120.00	34.49	34.49	27.85	27.85	23.47	23.47	20.80	20.80	20.38	20.38	18.11	18.11
126.00	29.75	29.75	24.00	24.00	20.20	20.20	17.89	17.89	17.53	17.53	15.55	15.55
132.00	25.84	25.84	20.83	20.83	17.52	17.52	15.50	15.50	15.18	15.18	-	-

WITH UNIVERSILL WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION IS REQUIRED

Chart #7

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	35.00	82.50	35.00	82.50	35.00	76.31	35.00	66.90	35.00	65.41	35.00	57.23
84.00	35.00	82.50	35.00	82.50	35.00	72.68	35.00	63.72	35.00	62.29	34.69	54.51
90.00	35.00	82.50	35.00	77.07	35.00	66.90	35.00	59.47	35.00	58.14	32.37	50.87
96.00	35.00	82.50	35.00	71.36	35.00	61.75	35.00	55.75	34.69	54.51	30.35	47.69
97.31	35.00	82.50	35.00	70.22	35.00	60.73	35.00	55.00	34.22	53.77	29.94	47.05
102.00	35.00	77.71	35.00	62.96	33.91	53.29	30.19	47.45	29.61	46.53	26.47	41.60
108.00	35.00	65.31	33.62	52.84	28.41	44.64	25.25	39.68	24.76	38.90	22.08	34.70
114.00	35.00	55.41	28.50	44.78	24.04	37.78	21.34	33.53	20.92	32.87	18.62	29.26
120.00	30.18	47.43	24.37	38.29	20.53	32.27	18.20	28.60	17.84	28.03	15.85	24.90
126.00	26.03	40.91	21.00	33.00	17.68	27.78	15.65	24.60	15.33	24.10	-	-
132.00	22.61	35.53	18.23	28.64	15.33	24.09	-	-	-	-	-	-

WITH SADDLE SILL WHERE WATER PENETRATION RESISTANCE IS REQUIRED AND L/175 DEFLECTION IS NOT REQUIRED

Chart #8

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	60.00	75.00	60.00	75.00	60.00	69.37	60.00	60.82	59.46	59.46	52.03	52.03
84.00	60.00	75.00	60.00	75.00	60.00	66.07	57.92	57.92	56.63	56.63	49.55	49.55
90.00	60.00	75.00	60.00	70.06	60.00	60.82	54.06	54.06	52.86	52.86	46.25	46.25
96.00	60.00	75.00	60.00	64.87	56.14	56.14	50.68	50.68	49.55	49.55	43.36	43.36
97.31	60.00	75.00	60.00	63.84	55.21	55.21	50.00	50.00	48.88	48.88	42.77	42.77
102.00	60.00	70.65	57.24	57.24	48.44	48.44	43.13	43.13	42.30	42.30	37.82	37.82
108.00	59.37	59.37	48.03	48.03	40.59	40.59	36.07	36.07	35.37	35.37	31.54	31.54
114.00	50.38	50.38	40.71	40.71	34.35	34.35	30.49	30.49	29.88	29.88	26.60	26.60
120.00	43.12	43.12	34.81	34.81	29.33	29.33	26.00	26.00	25.48	25.48	22.64	22.64
126.00	37.19	37.19	30.00	30.00	25.25	25.25	22.36	22.36	21.91	21.91	-	-
132.00	32.30	32.30	26.04	26.04	21.90	21.90	-	-	-	-	-	-

WITH UNIVERSILL WHERE WATER PENETRATION RESISTANCE IS REQUIRED AND L/175 DEFLECTION IS NOT REQUIRED

Chart #9

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	75.00	75.00	75.00	75.00	69.37	69.37	60.82	60.82	59.46	59.46	52.03	52.03
84.00	75.00	75.00	75.00	75.00	66.07	66.07	57.92	57.92	56.63	56.63	49.55	49.55
90.00	75.00	75.00	70.06	70.06	60.82	60.82	54.06	54.06	52.86	52.86	46.25	46.25
96.00	75.00	75.00	64.87	64.87	56.14	56.14	50.68	50.68	49.55	49.55	43.36	43.36
97.31	75.00	75.00	63.84	63.84	55.21	55.21	50.00	50.00	48.88	48.88	42.77	42.77
102.00	70.65	70.65	57.24	57.24	48.44	48.44	43.13	43.13	42.30	42.30	37.82	37.82
108.00	59.37	59.37	48.03	48.03	40.59	40.59	36.07	36.07	35.37	35.37	31.54	31.54
114.00	50.38	50.38	40.71	40.71	34.35	34.35	30.49	30.49	29.88	29.88	26.60	26.60
120.00	43.12	43.12	34.81	34.81	29.33	29.33	26.00	26.00	25.48	25.48	22.64	22.64
126.00	37.19	37.19	30.00	30.00	25.25	25.25	22.36	22.36	21.91	21.91	-	-
132.00	32.30	32.30	26.04	26.04	21.90	21.90	19.37	-	-	-	-	-

WITH SADDLE OR FLUSH SILL WHERE WATER PENETRATION RESISTANCE AND L/175 DEFLECTION ARE NOT REQUIRED

Chart #10

Maximum Design pressure (psf)												
Panel Height (in)	Single Panel Width (in)											
	24.00		30.00		36.00		41.06		42.00		48.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	37.50	52.50	37.50	52.50	37.50	48.56	37.50	42.57	37.50	41.62	36.42	36.42
84.00	37.50	52.50	37.50	52.50	37.50	46.25	37.50	40.55	37.50	39.64	34.69	34.69
90.00	37.50	52.50	37.50	49.04	37.50	42.57	37.50	37.84	37.00	37.00	32.37	32.37
96.00	37.50	52.50	37.50	45.41	37.50	39.30	35.48	35.48	34.69	34.69	30.35	30.35
97.31	37.50	52.50	37.50	44.69	37.50	38.65	35.00	35.00	34.22	34.22	29.94	29.94
102.00	37.50	49.45	37.50	40.06	33.91	33.91	30.19	30.19	29.61	29.61	26.47	26.47
108.00	37.50	41.56	33.62	33.62	28.41	28.41	25.25	25.25	24.76	24.76	22.08	22.08
114.00	35.26	35.26	28.50	28.50	24.04	24.04	21.34	21.34	20.92	20.92	18.62	18.62
120.00	30.18	30.18	24.37	24.37	20.53	20.53	18.20	18.20	17.84	17.84	15.85	15.85
126.00	26.03	26.03	21.00	21.00	17.68	17.68	15.65	15.65	15.33	15.33	-	-
132.00	22.61	22.61	18.23	18.23	15.33	15.33	-	-	-	-	-	-

WITH FLUSH SILL WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED AND L/175 DEFLECTION IS REQUIRED

SIGNED: 10/06/2021

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

SERIES NW ALUMINUM 840/SL84/HIGHLINE
OUTSWING FOLDING DOOR NON IMPACT
DESIGN PRESSURE CHARTS

DRAWN:
A.R.

DWG NO.
08-03749

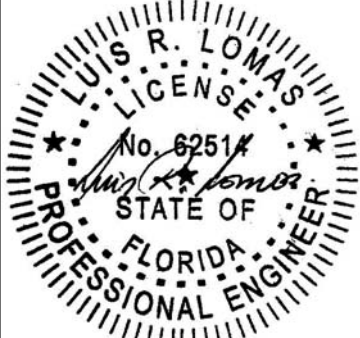
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DATE
07/26/2021

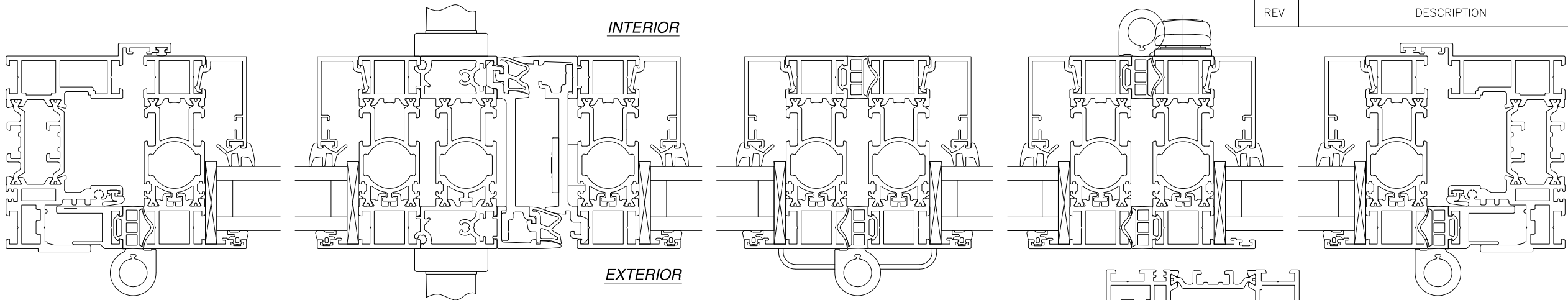
SHEET
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1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

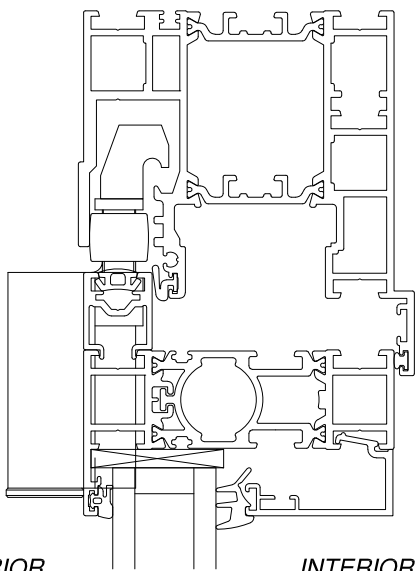


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FL No.: 62514

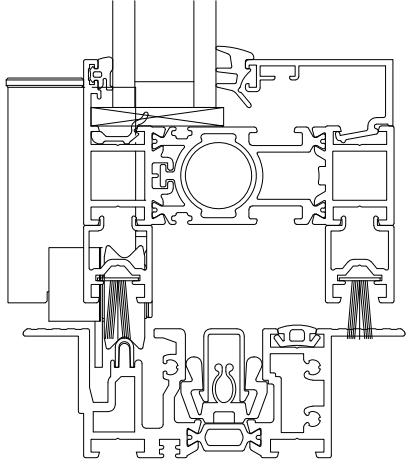
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REV	DESCRIPTION	DATE	APPROVED



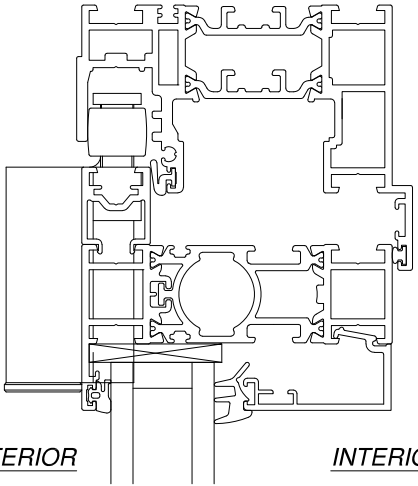
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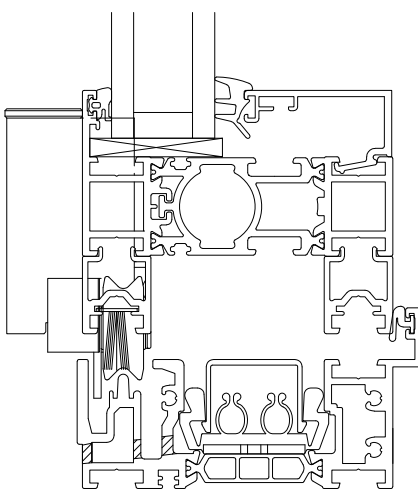
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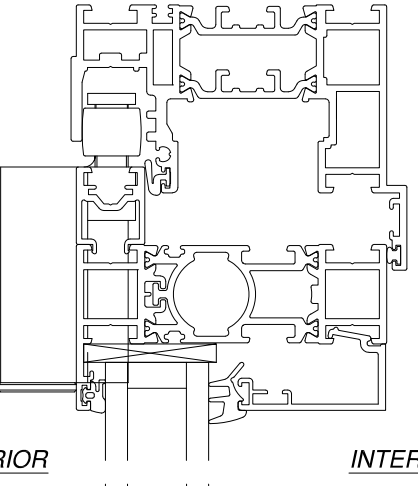
VERTICAL CROSS SECTION
WITH EXTENDED HEAD AND FLUSH SILL



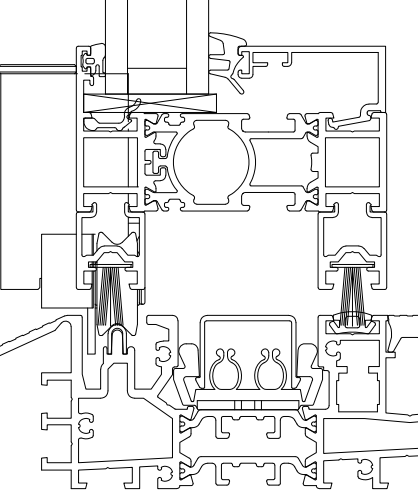
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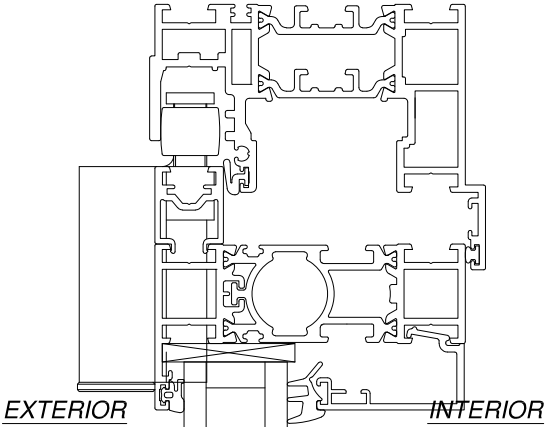
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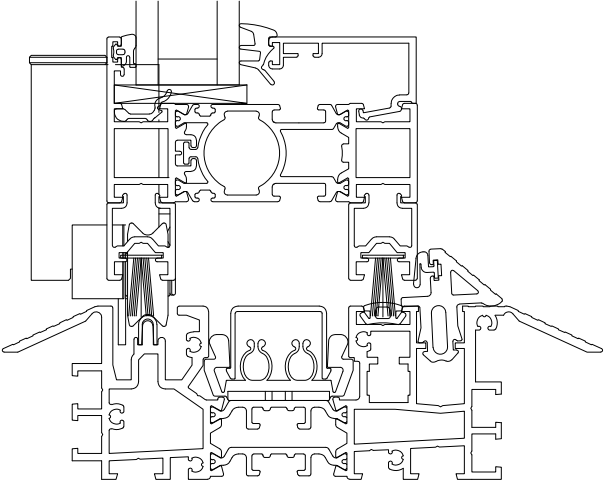
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VERTICAL CROSS SECTION
WITH SADDLE SILL



EXTERIOR INTERIOR



VERTICAL CROSS SECTION
WITH UNIVERSILL

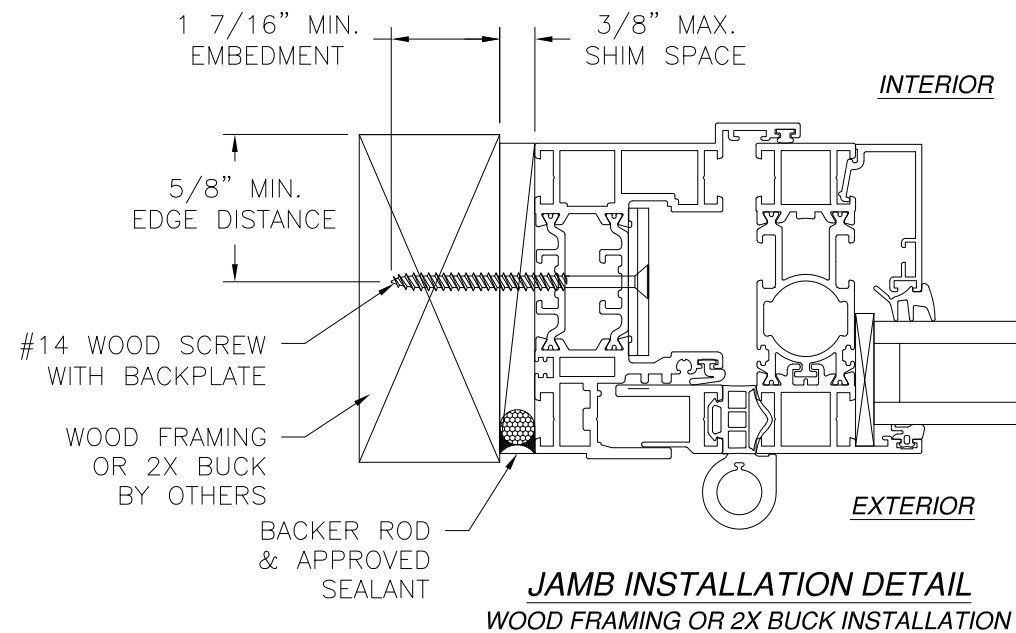
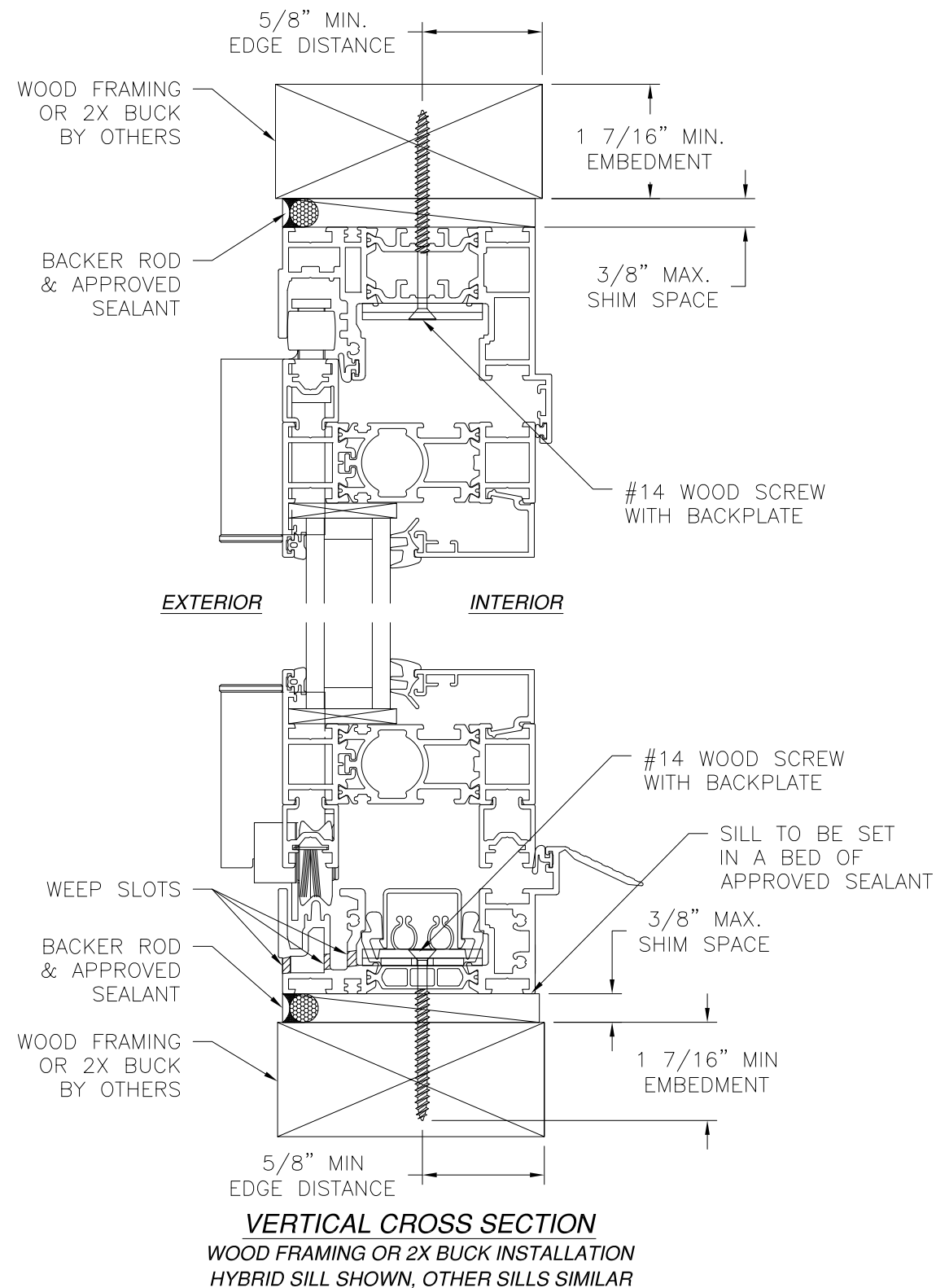
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SERIES NW ALUMINUM 840/SL84/HIGHLINE OUTSWING FOLDING DOOR NON IMPACT CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03749	REV -
SCALE NTS	DATE 07/26/2021	SHEET 6 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/06/2021



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



- 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

NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

SERIES NW ALUMINUM 840/SL84/HIGHLINE
OUTSWING FOLDING DOOR NON IMPACT
INSTALLATION DETAILS

DRAWN:

A.R.

DWG NO.

08-03749

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07/26/2021

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7

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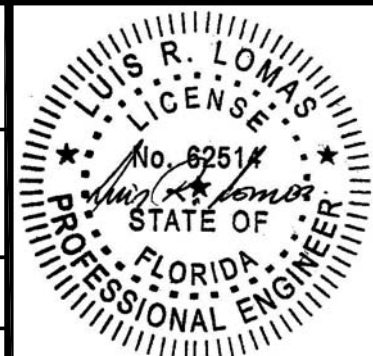
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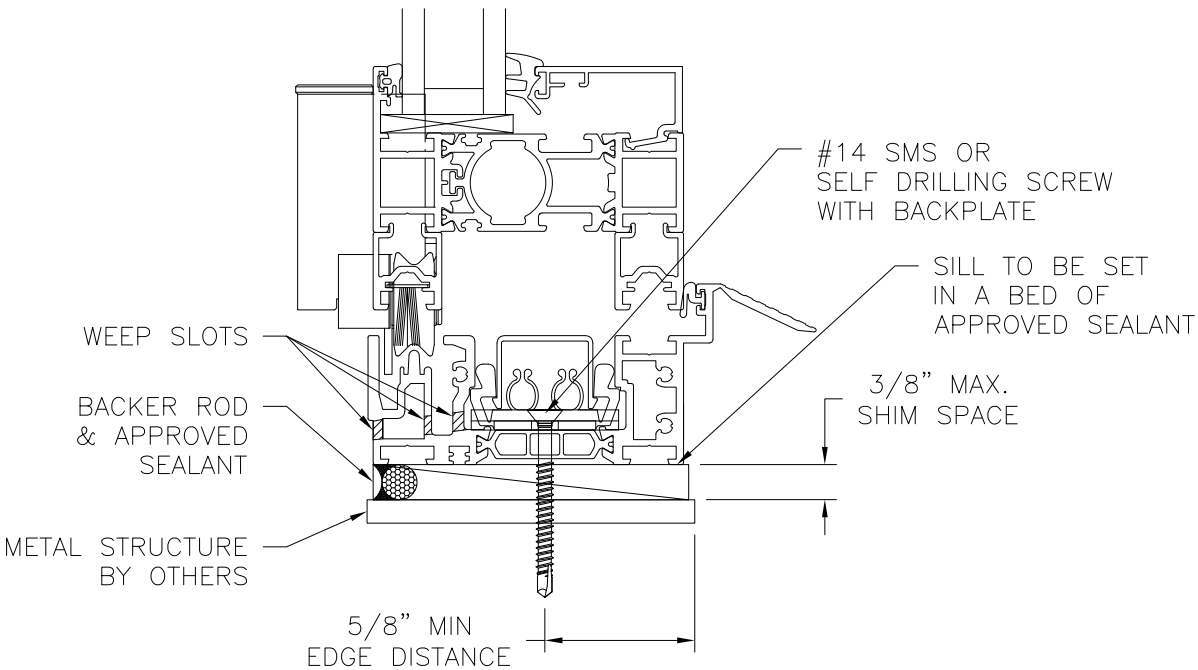
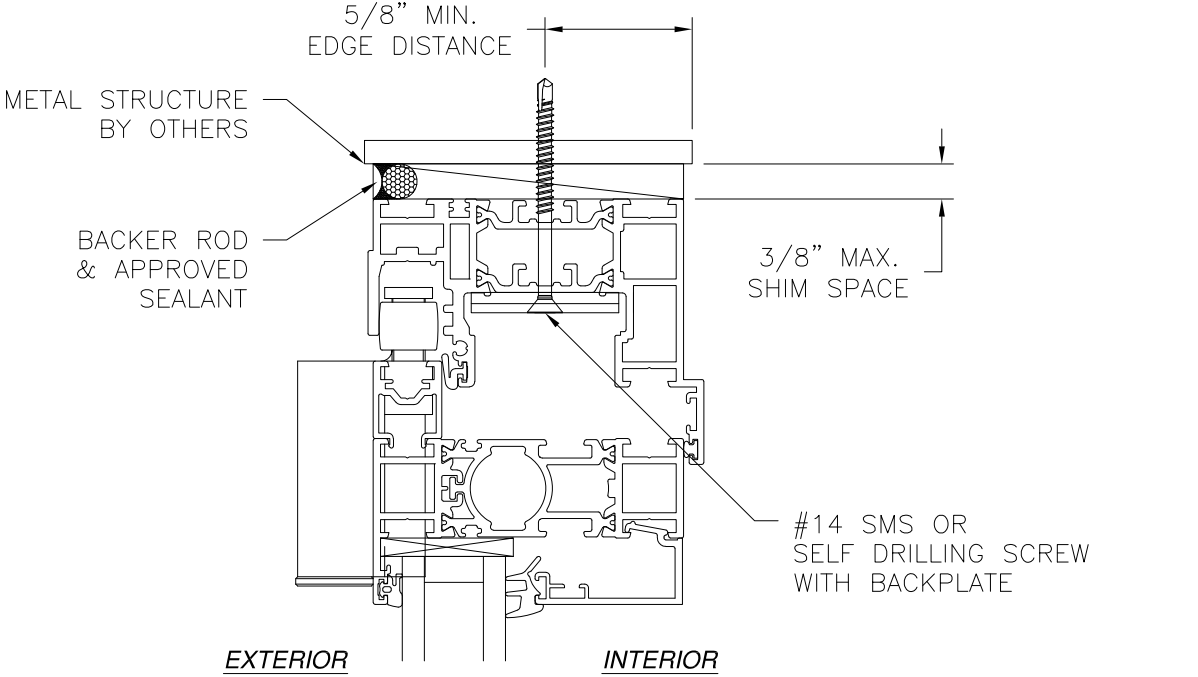
434-688-0609 rllomas@lrlomaspe.com

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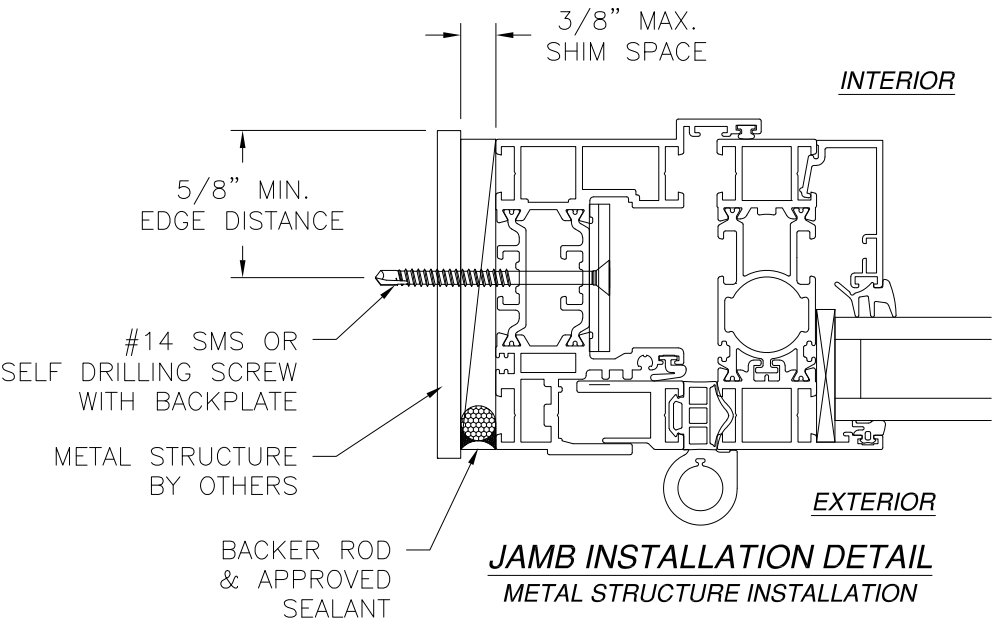


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FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112
 - WEEP HOLES IN SADDLE SILL ARE FIELD INSTALLED

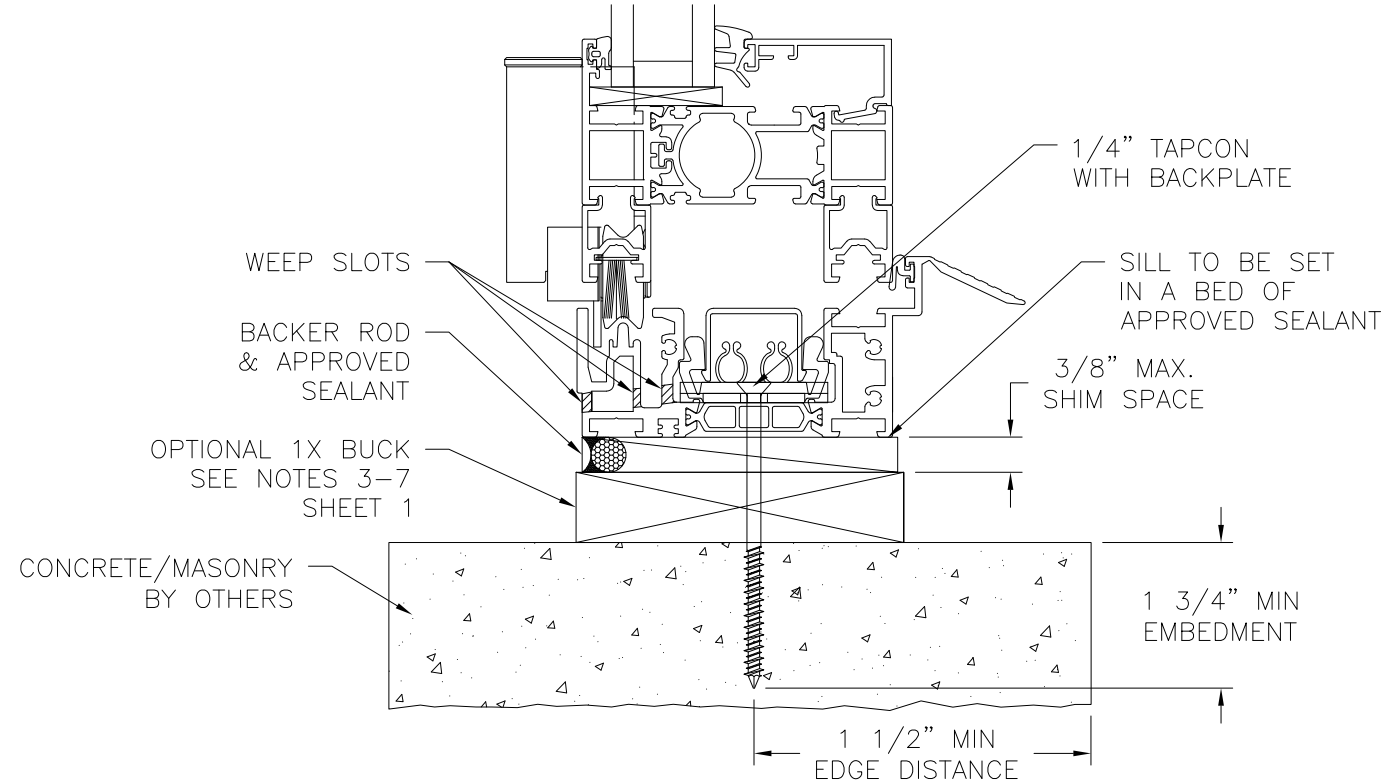
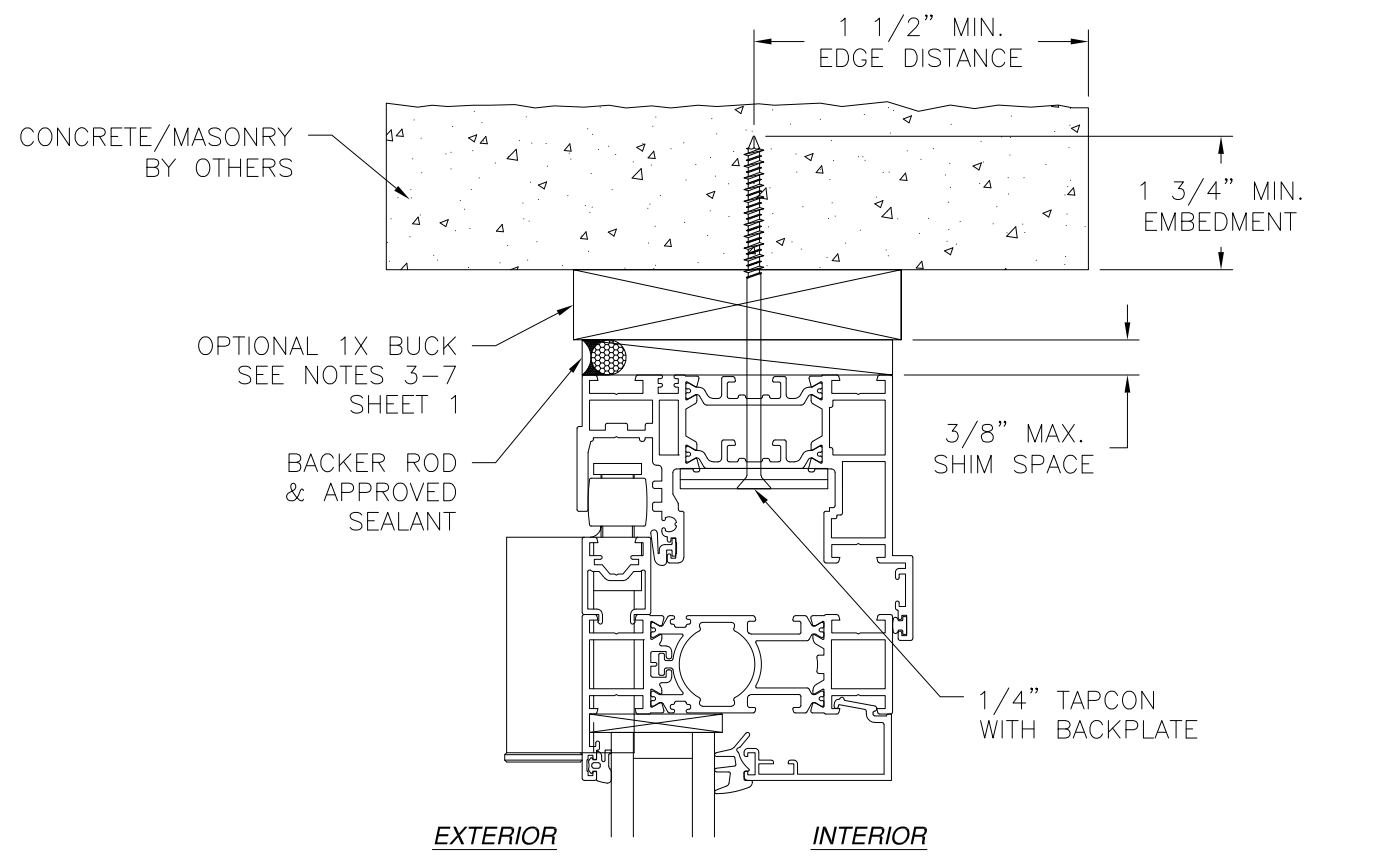
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NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
SERIES NW ALUMINUM 840/SL84/HIGHLINE OUTSWING FOLDING DOOR NON IMPACT INSTALLATION DETAILS		
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SCALE NTS	DATE 07/26/2021	SHEET 8 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

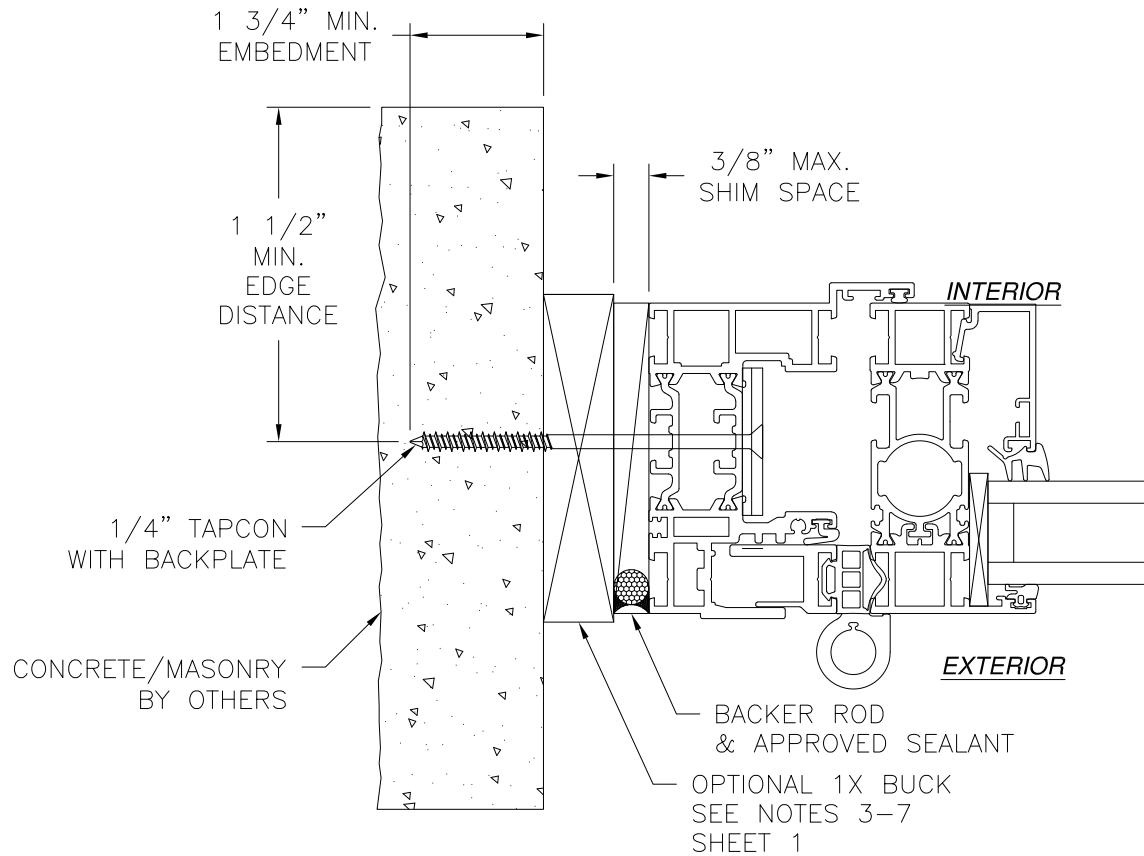


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION
 HYBRID SILL SHOWN, OTHER SILLS SIMILAR



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY 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

SIGNED: 10/06/2021

NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

SERIES NW ALUMINUM 840/SL84/HIGHLINE
OUTSWING FOLDING DOOR NON IMPACT
INSTALLATION DETAILS

DRAWN: A.R.

DWG NO. 08-03749

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DATE 07/26/2021

SHEET 9 OF 10

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LICENS. M. E.

No. 62514

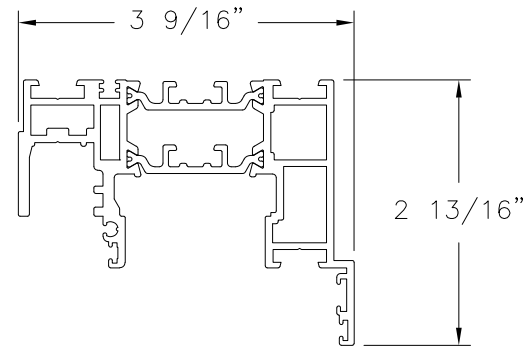
STATE OF FLORIDA

PROFESSIONAL ENGINEER

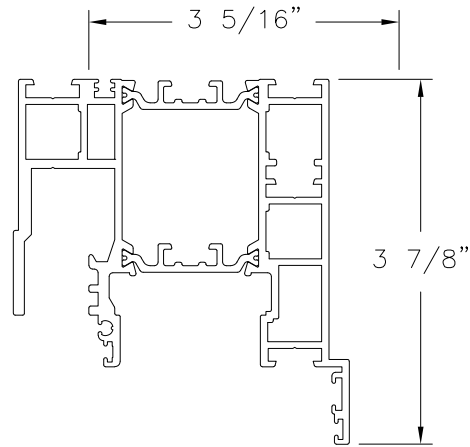
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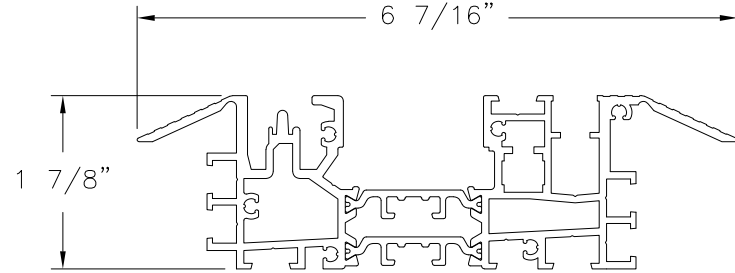
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REV	DESCRIPTION	DATE	APPROVED



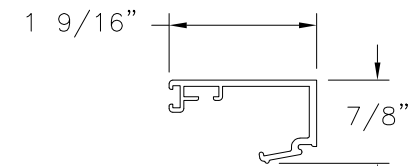
HEAD & JAMB PROFILE (5-320-04)
ALUMINUM 6063-T5



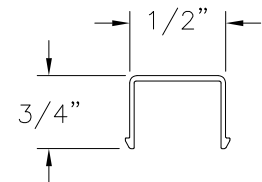
EXTENDED HEAD PROFILE (5-320-05)
ALUMINUM 6063-T5



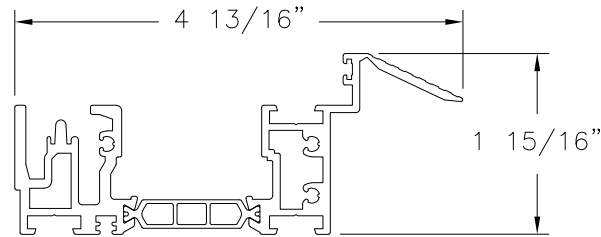
LOW PROFILE SADDLE SILL
ALUMINUM 6063-T5



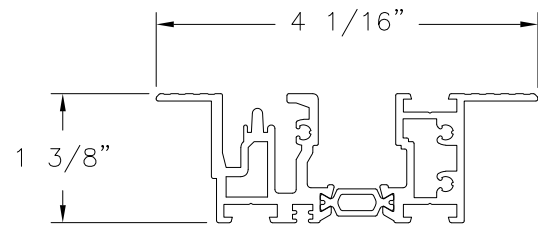
GLAZING BEAD (5-300-14)
ALUMINUM 6063-T5
BEAD SHOWN AS REFERENCE ONLY.
BEAD SIZES VARIES DEPENDING ON
GLASS THICKNESS. GLASS THICKNESS
VARIES FROM 3/16" TO 1 3/4"



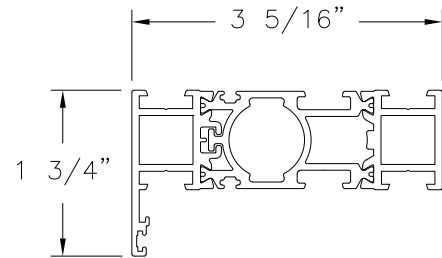
**SILL INSERT
PROFILE (5-320-26)**
ALUMINUM 6063-T5



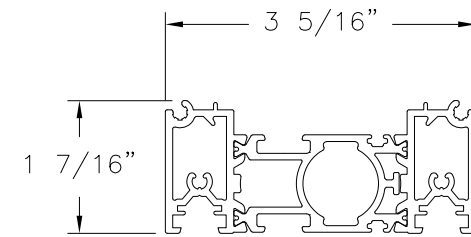
HYBRID SILL PROFILE (5-320-08)
ALUMINUM 6063-T5



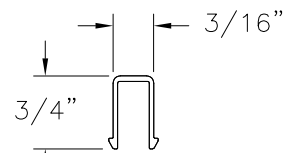
FLUSH SILL PROFILE (5-310-07)
ALUMINUM 6063-T5



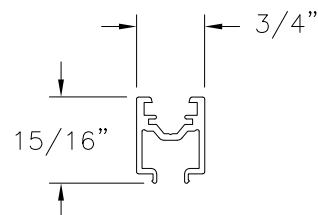
INSWING PANEL PROFILE (5-320-01)
ALUMINUM 6063-T5



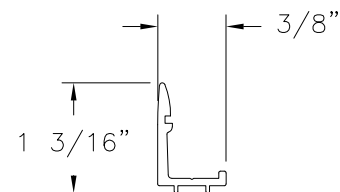
**NARROW POST
PROFILE (5-320-30)**
ALUMINUM 6063-T5



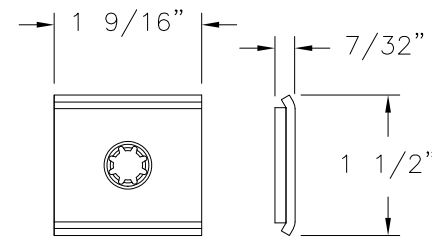
**SILL INSERT
PROFILE FOR FLUSH SILL**
ALUMINUM 6063-T5



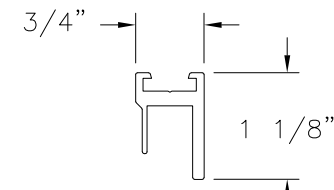
EXTENSION PROFILE (5-300-04)
ALUMINUM 6063-T5



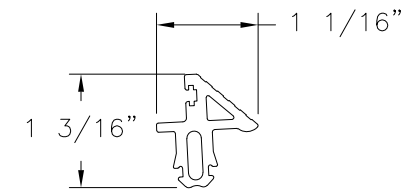
STOP BAR PROFILE (5-300-08)
ALUMINUM 6063-T5



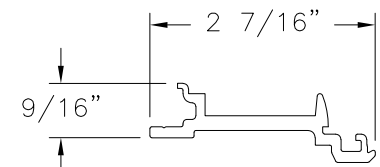
BACK PLATE
STEEL



**ADJUSTABLE JAMB
PROFILE (5-300-01)**
ALUMINUM 6063-T5



**UNIVERSILL
EPDM GASKET**



**CONNECTION STRIP
PROFILE (5-320-27)**
POLYAMIDE

SIGNED: 10/06/2021

NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250
CORTE MADERA, CA 94925

SERIES NW ALUMINUM 840/SL84/HIGHLINE
OUTSWING FOLDING DOOR NON IMPACT
COMPONENTS

DRAWN:
A.R.

DWG NO.
08-03749

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SHEET 10 OF 10

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