

# NANA WALL SYSTEMS, INC./SOLARLUX GMBH TEST SUMMARY

## ISSUE DATE

09/24/20

## REPORT ISSUED TO

**NANA WALL SYSTEMS, INC.**

100 Meadowcreek Drive

Suite 250

Corte Madera, California 94925

## SECTION 1

### SCOPE

Intertek Building & Construction (B&C) was contracted by Nana Wall Systems, Inc. to perform testing in accordance with AAMA/WDMA/CSA 101/I.S.2/A440 on their Series SL84, Type: Folding Door. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Nana Wall Systems, Inc. / Solarlux GmbH test facility in Melle, Germany. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

## SECTION 2

### SUMMARY OF TEST RESULTS

For INTERTEK B&C:

<b>REVIEWED BY:</b>	Tyler Westerling P.E.
<b>TITLE:</b>	Senior Project Engineer
<b>SIGNATURE:</b>	
<b>DATE:</b>	09/24/20

RC:TW:ms

### SECTION 3

#### SUMMARY OF TEST RESULTS

**Product Type:** Folding Door

**Series/Model:** SL84 Inswing Low Profile Saddle Sill

**Test Specimen:** Test results of SL64 Inswing Low Profile Saddle Sill and SL84 Inswing Hybrid Sill used to determine performance.

TITLE	RESULTS
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class CW-PG35-FLD 4000 x 2600
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class LC-PG35-FLD 4000 x 2600
Air (open weeps inner channel) positive 75 / 300 Pa	0.12 / 0.30 cfm/ft <sup>2</sup>
Air (open weeps inner channel) negative 75 / 300 Pa	0.12 / 0.28 cfm/ft <sup>2</sup>
Air (closed weeps inner channel) positive 75 / 300 Pa	0.10 / 0.26 cfm/ft <sup>2</sup>
Air (closed weeps inner channel) negative 75 / 300 Pa	0.09 / 0.23 cfm/ft <sup>2</sup>
Water open weeps inner channel	260 Pa
Water closed weeps inner channel	100 Pa
L/175 positive	1945 Pa / 40.6 psf
L/175 negative	1945 Pa / 40.6 psf
TP positive	3600 Pa / 75.2 psf
TP negative	3600 Pa / 75.2 psf
Permanent deflection	None
Swing Door Cycling Testing	500,000 cycles

**Product Type:** Folding Door

**Series/Model:** SL84 Outswing Low Profile Saddle Sill

**Test Specimen:** Test results of SL64 Inswing Low Profile Saddle Sill and SL84 Inswing Hybrid Sill used to determine performance.

TITLE	RESULTS
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class CW-PG35-FLD 4000 x 2600
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class LC-PG35-FLD 4000 x 2600
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class CW-PG40-FLD 4000 x 2600 (with UniverSILL)
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class LC-PG50-FLD 4000 x 2600 (with UniverSILL)
Air (open weeps inner channel) positive 75 / 300 Pa	0.12 / 0.28 cfm/ft <sup>2</sup>
Air (open weeps inner channel) negative 75 / 300 Pa	0.12 / 0.30 cfm/ft <sup>2</sup>
Air (closed weeps inner channel) positive 75 / 300 Pa	0.09 / 0.23 cfm/ft <sup>2</sup>
Air (closed weeps inner channel) negative 75 / 300 Pa	0.10 / 0.26 cfm/ft <sup>2</sup>
Air with UniverSILL positive 75 / 300 Pa	0.04 / 0.07 cfm/ft <sup>2</sup>
Air with UniverSILL negative 75 / 300 Pa	0.02 / 0.08 cfm/ft <sup>2</sup>
Water open weeps inner channel	260 Pa
Water closed weeps inner channel	100 Pa
Water with UniverSILL	450 Pa
L/175 positive	1945 Pa / 40.6 psf
L/175 negative	1945 Pa / 40.6 psf
TP positive	3600 Pa / 75.2 psf
TP negative	3600 Pa / 75.2 psf
Permanent deflection	None
Swing Door Cycling Testing	500,000 cycles

**Product Type:** Folding Door  
**Series/Model:** SL84 Inswing Hybrid Sill  
**Test Specimen:** Unit 3

TITLE	RESULTS
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class CW-PG40-FLD 4000 x 2600
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class LC-PG50-FLD 4000 x 2600
Air (all weeps options) positive 75 / 300 Pa	0.04 / 0.11 cfm/ft <sup>2</sup>
Air (all weeps options) negative 75 / 300 Pa	0.04 / 0.10 cfm/ft <sup>2</sup>
Water no weeps	0 Pa
Water with standard weeps	450 Pa
Water with improved weep system	1200 Pa
L/175 positive	1945 Pa / 40.6 psf
L/175 negative	2153 Pa / 45.0 psf
TP positive	3600 Pa / 75.2 psf
TP negative	4000 Pa / 83.5 psf
Permanent deflection	None
Swing Door Cycling Testing	500,000 cycles

**Product Type:** Folding Door  
**Series/Model:** SL84 Outswing Hybrid Sill  
**Test Specimen:** Test results of SL84 Inswing Hybrid and SL84 Outswing Hybrid Reinforced used to determine performance

TITLE	RESULTS
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class CW-PG40-FLD 4000 x 2600
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class LC-PG50-FLD 4000 x 2600
Air (all weeps options) positive 75 / 300 Pa	0.04 / 0.10 cfm/ft <sup>2</sup>
Air (all weeps options) negative 75 / 300 Pa	0.04 / 0.11 cfm/ft <sup>2</sup>
Water no weeps	0 Pa
Water with standard weeps	450 Pa
Water with improved weep system	1200 Pa
L/175 positive	2153 Pa / 45.0 psf
L/175 negative	1945 Pa / 40.6 psf
TP positive	4000 Pa / 83.5 psf
TP negative	3600 Pa / 75.2 psf
Permanent deflection	None
Swing Door Cycling Testing	500,000 cycles

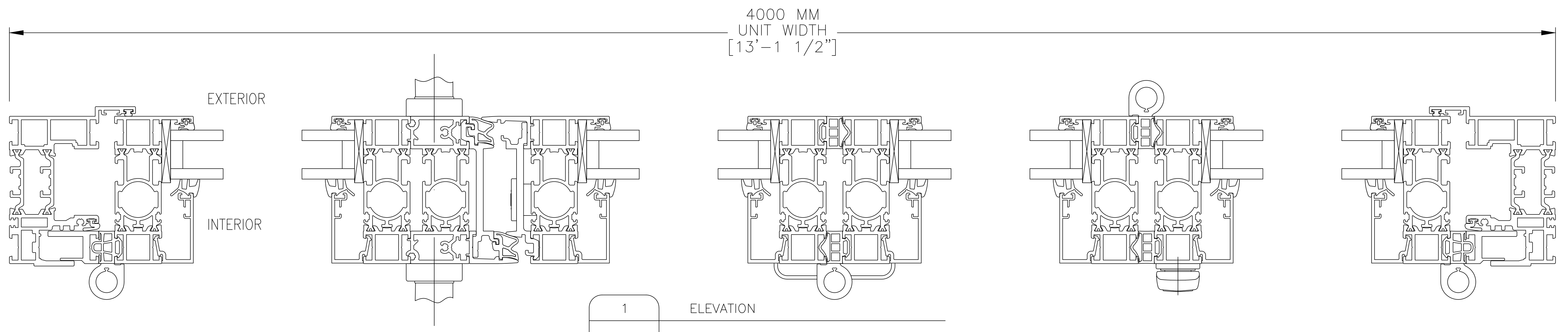
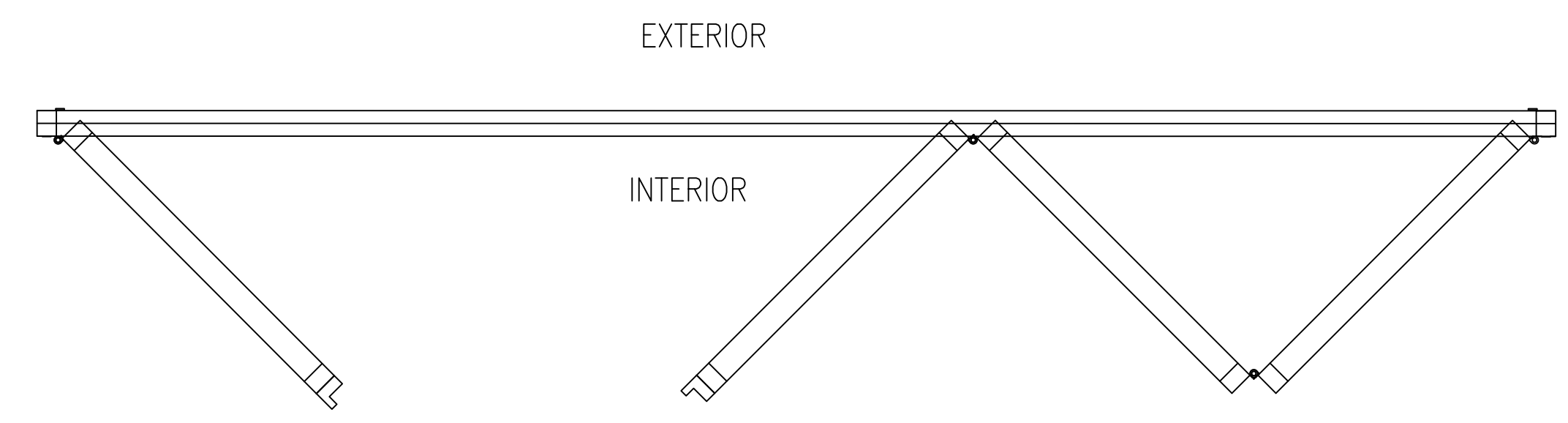
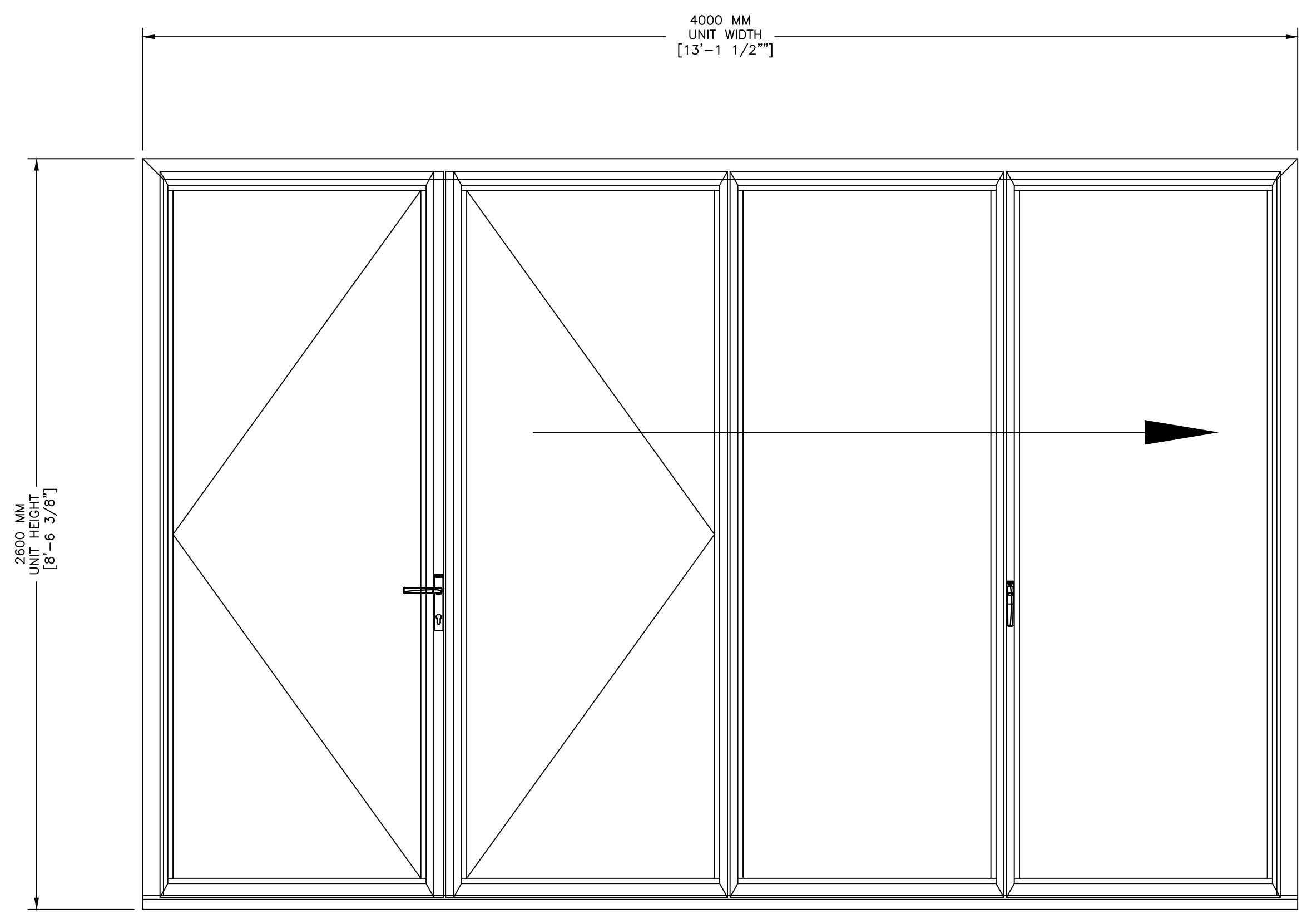
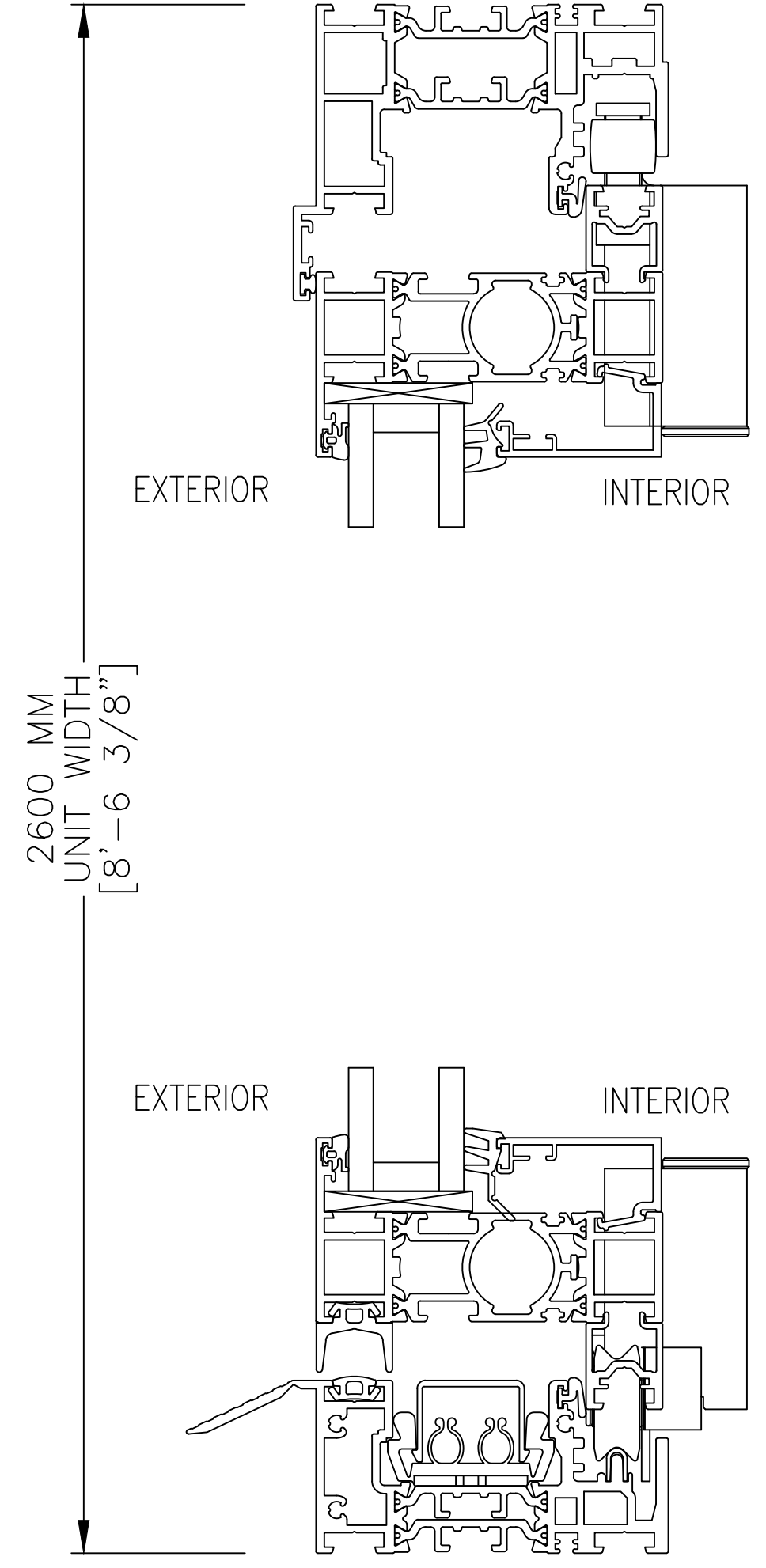
## SECTION 4

### TEST SPECIFICATION(S)/METHOD(S)

*AAMA/WDMA/CSA 101/I.S.2/A440-17 - North American Fenestration Standard/Specification  
for Windows, Doors, and Skylights*

## SECTION 5

### DRAWINGS

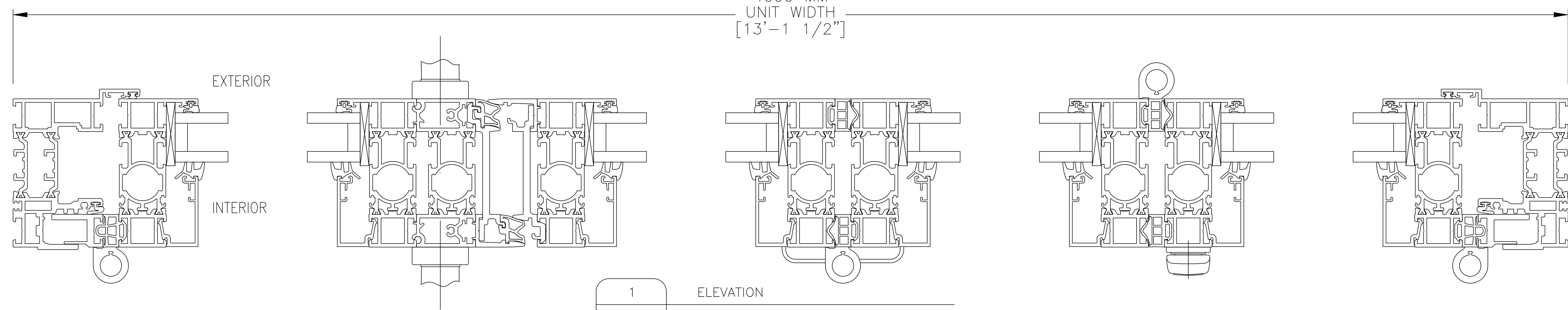
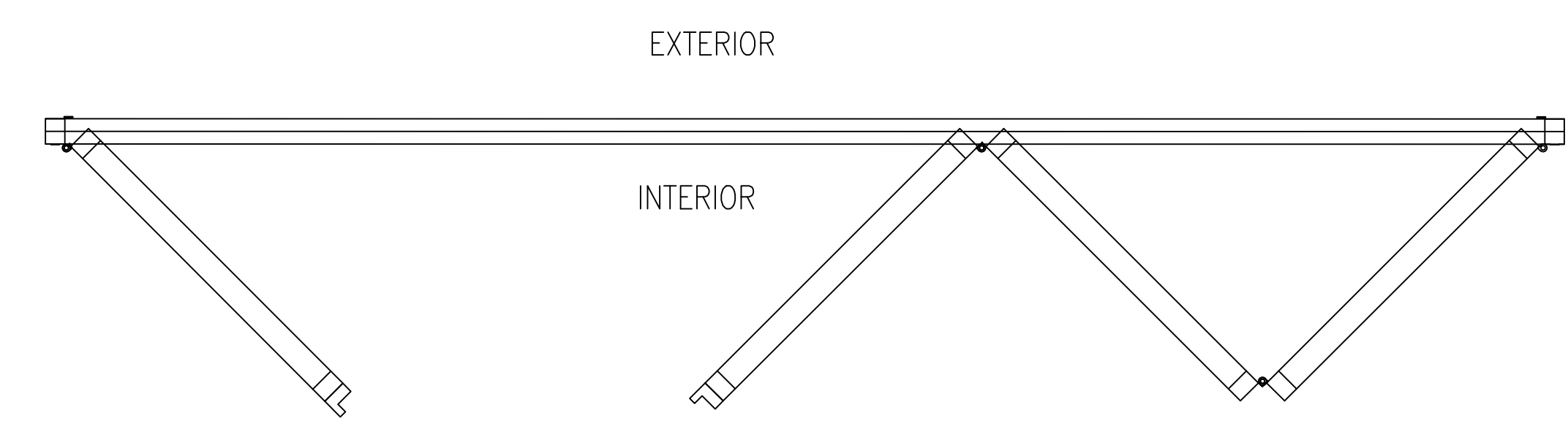
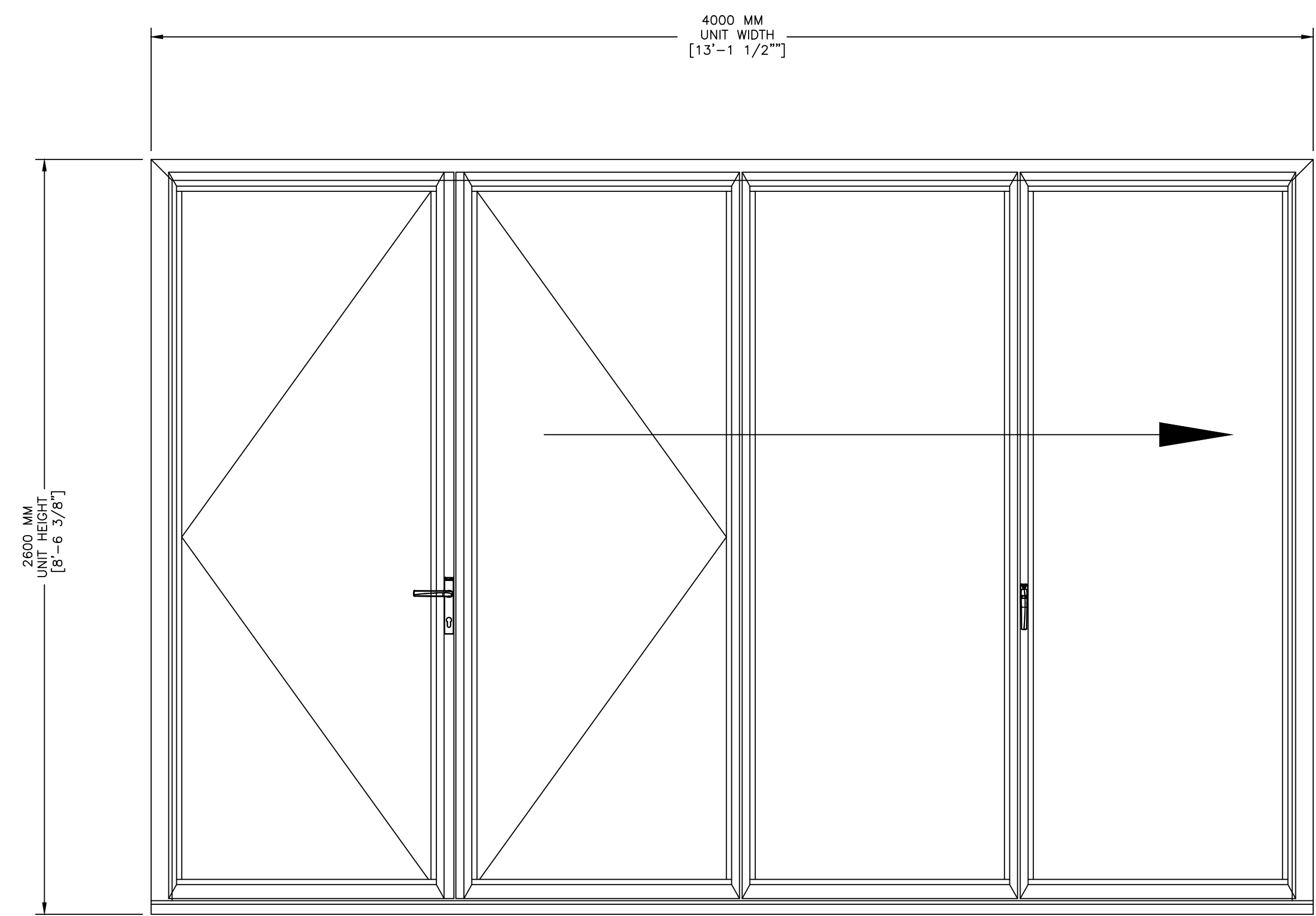
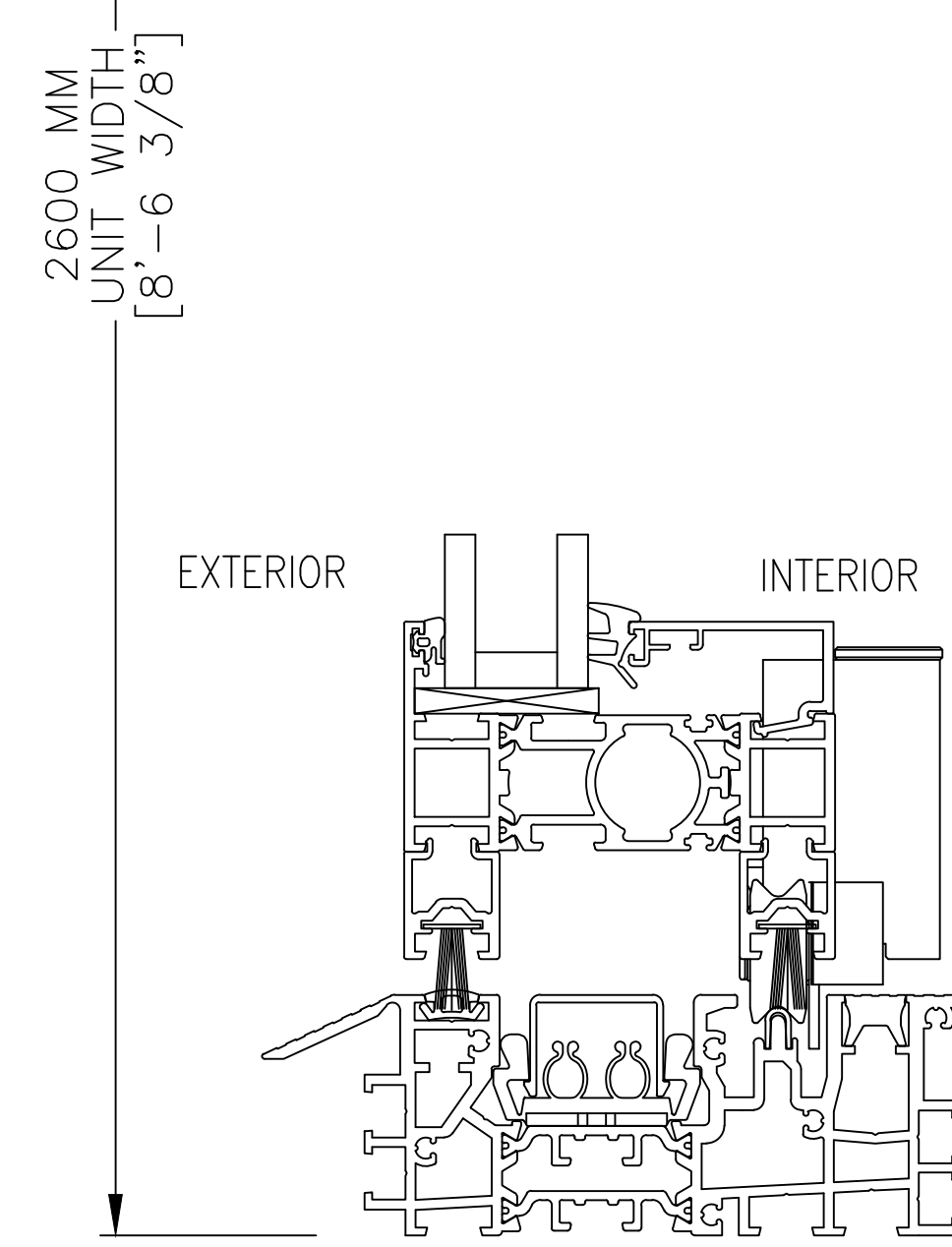
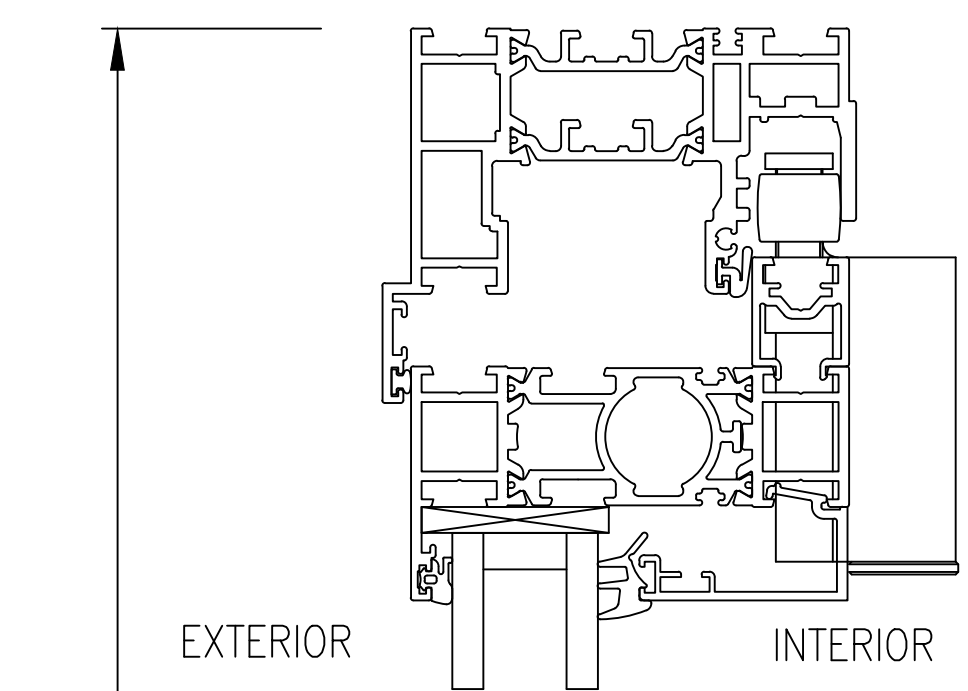


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ELEVATION  
 (TYPICAL: ELEVATIONS SHOWN FROM INTERIOR)  
 NANA WALL SL84 FOLDING SYSTEMS (ALU)  
 CONFIGURATION: INWARD 1 LEFT - 3 RIGHT (SLIDING PANELS)  
 SILL: HYBRID SILL  
 MOUNT OPTION: FLOOR

PROJECT INFORMATION		DATE		DRAWINGS ISSUED FOR		POSITION	
SL84_HYBRID SILL_INWARD 1L-3R		08/26/20		FIRST SUBMITTAL		NANAWALL POSITION NUMBER:	
						CUSTOMER POSITION NUMBER:	
DWG. #		APPROVED		APPROVAL		BY:	
DRAWN BY: AM		BY:		PRINTED NAME:		DATE:	
SCALE: N.T.S.		DATE:		DATE:		DATE:	
QUOTE		DATE:		DATE:		DATE:	
ORDER		DATE:		DATE:		DATE:	
SHEET		DATE:		DATE:		DATE:	
1 OF 1		DATE:		DATE:		DATE:	

**NanaWall**  
 Engineering the Exceptional  
 Nana Wall Systems INC Phone: 800-873-5673  
 100 MEADOW CREEK DR. Ex. 415-383-0312  
 1000 W. 10th St. #4925  
 www.nanawall.com  
 info@nanawall.com

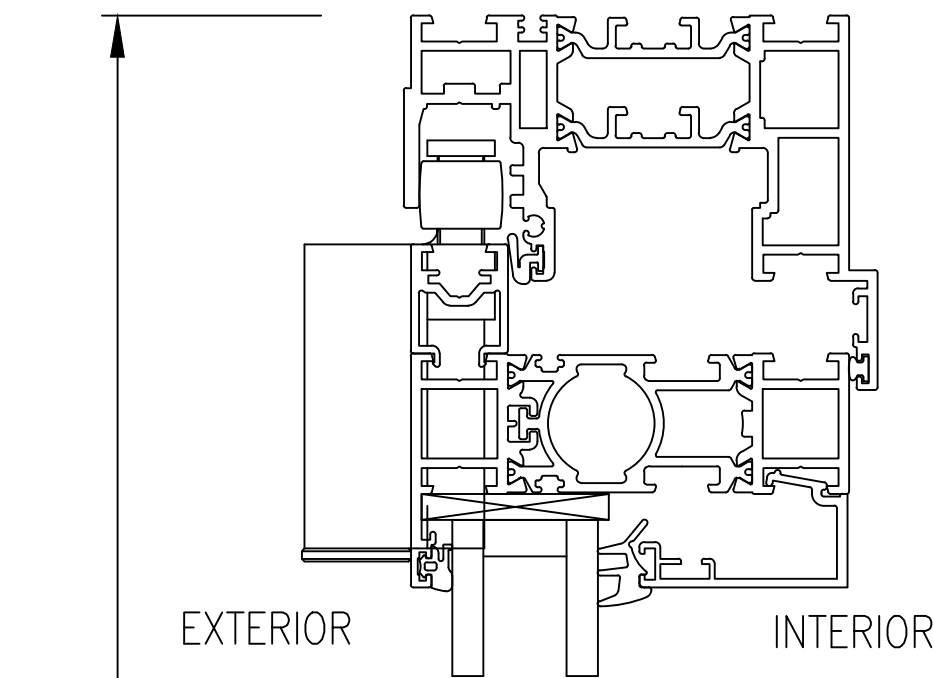


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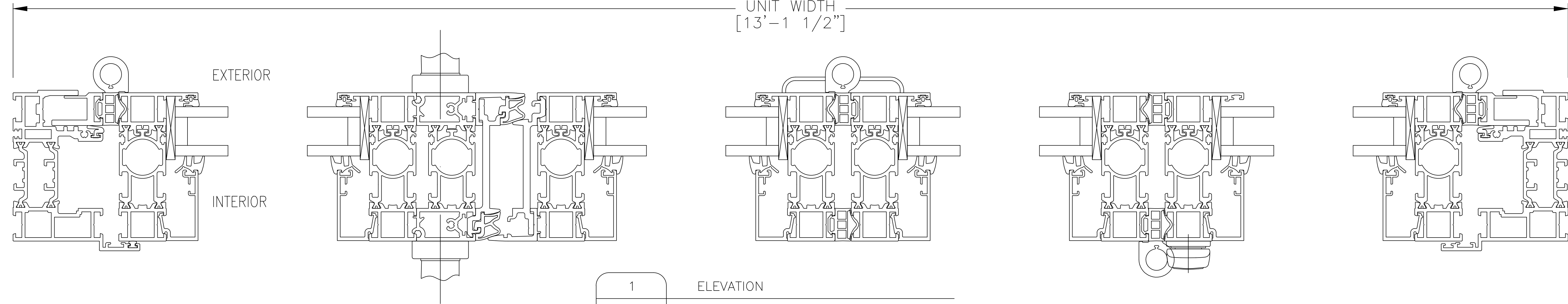
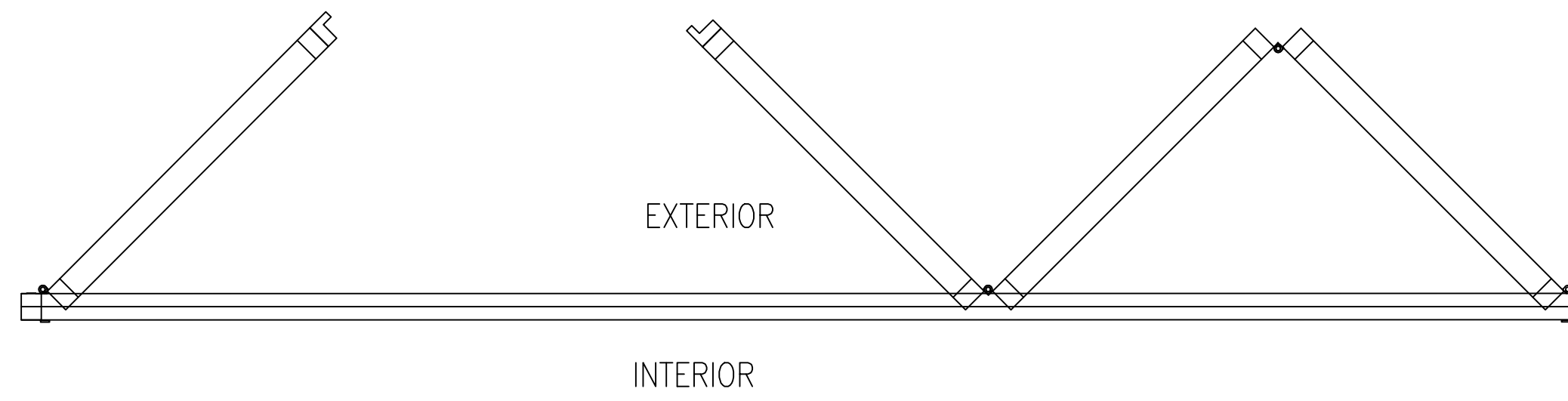
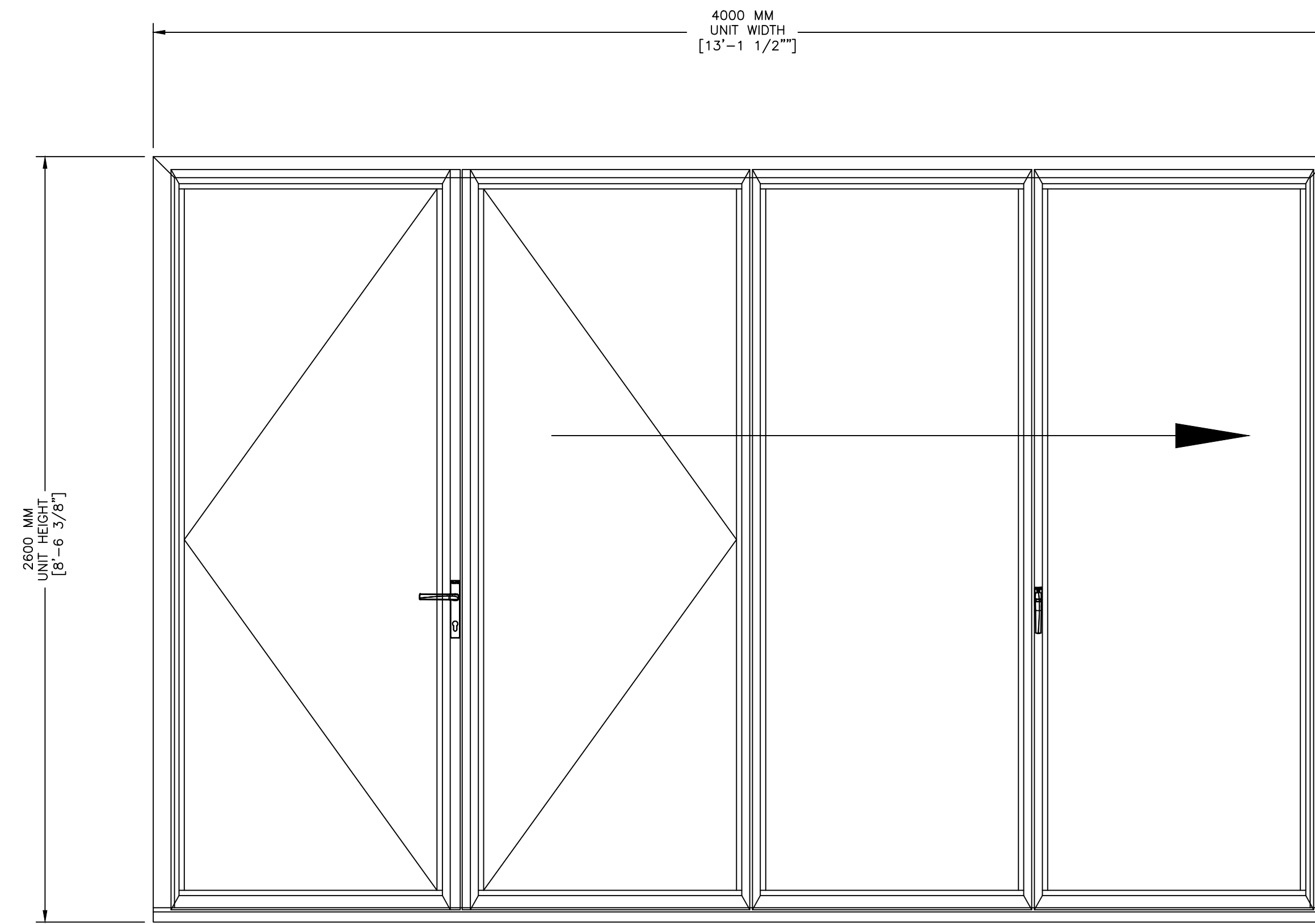
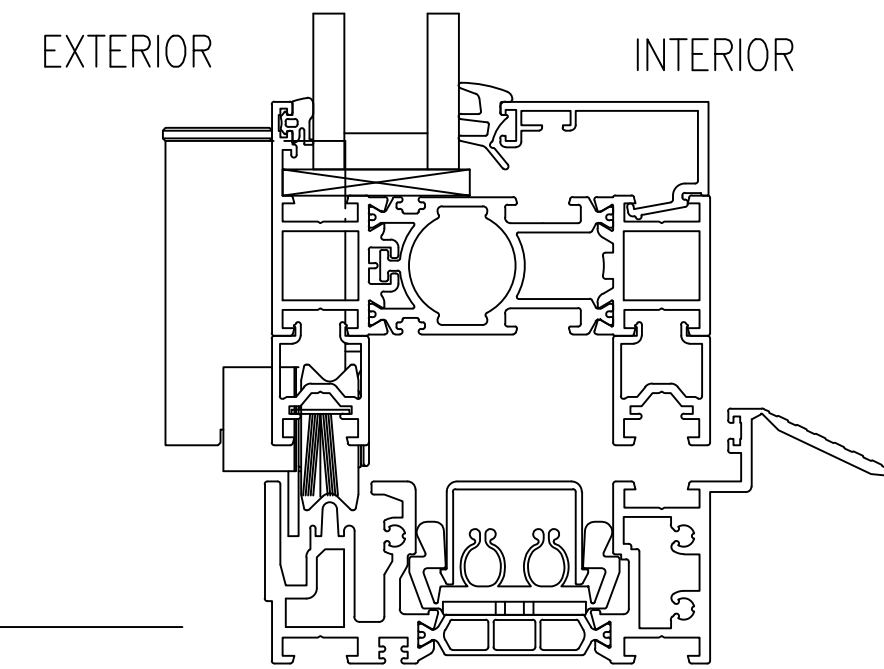
ELEVATION  
 (TYPICAL: ELEVATIONS SHOWN FROM INTERIOR)  
 NANA WALL SL84 FOLDING SYSTEMS (ALU)  
 CONFIGURATION: INWARD 1 LEFT - 3 RIGHT (SLIDING PANELS)  
 SILL: LOW PROFILE SADDLE SILL  
 MOUNT OPTION: FLOOR

PROJECT INFORMATION		DRAWINGS ISSUED FOR		POSITION	
SL84_LPSS_INWARD 1L-3R		FIRST SUBMITTAL		NANAWALL POSITION NUMBER:	
BY:		CUSTOMER POSITION NUMBER:		CUSTOMER POSITION NUMBER:	
PRINTED NAME:		DATE:		DATE:	
DATE:		DATE:		DATE:	
DWG. #		DRAWN BY		SCALE	
AM		N.T.S.		QUOTE	
ORDER		SHEET		1 OF 1	

**NanaWall**  
 Engineering the Exceptional  
 Home  
 100 MEADOW CREEK DR. E-204  
 CORTE MADERA, CA 94925  
 info@nanawall.com



2600 MM  
UNIT WIDTH  
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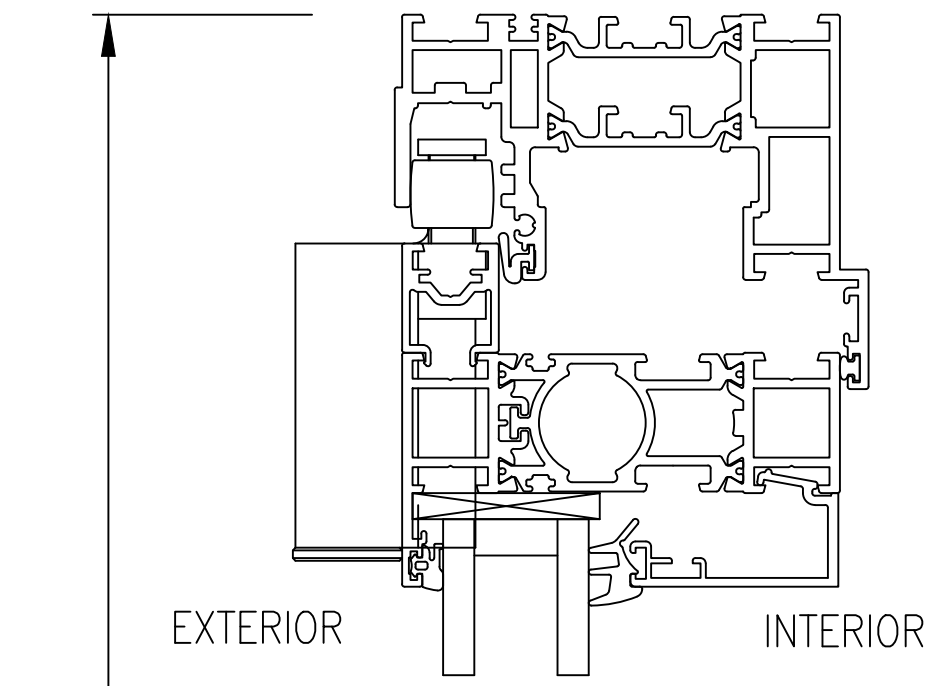


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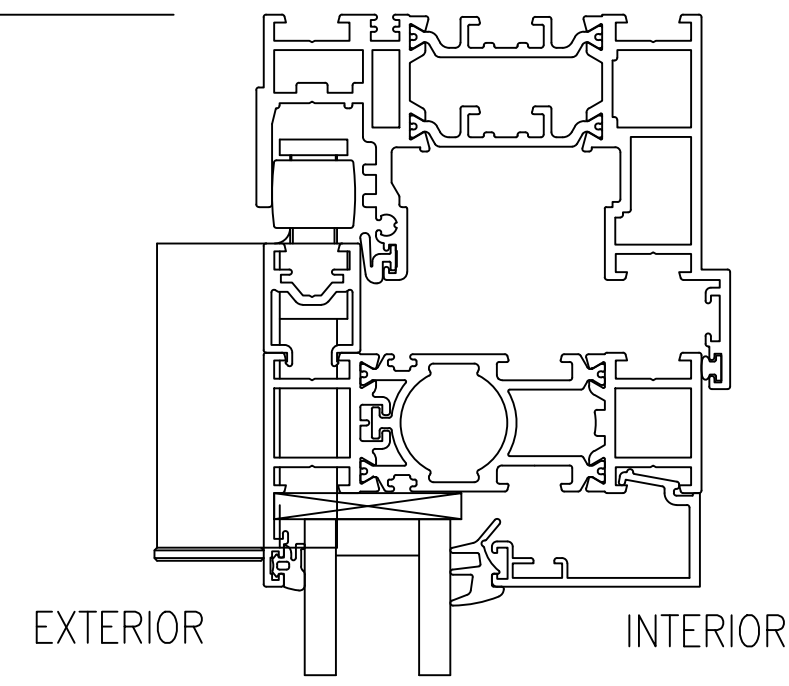
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NANA WALL SL84 FOLDING SYSTEMS (ALU)  
CONFIGURATION: OUTWARD 1 LEFT - 3 RIGHT (SLIDING PANELS)  
SILL: HYBRID SILL  
MOUNT OPTION: FLOOR

<p><b>NanaWall</b> Engineering the Exceptional 100 MEADOW CREEK DR. E-404 CORTE MADERA, CA 94525 info@nanawall.com</p>	
<p>DWG. #</p>	<p>PROJECT INFORMATION</p>
<p>DRAWN BY AM</p>	<p>SL84_HYBRID_SILL_OUTWARD_1L-3R</p>
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<p>SHEET</p>	<p>BY:</p>
<p>1 OF 1</p>	<p>PRINTED NAME:</p>
	<p>DATE:</p>
	<p>DRAWINGS ISSUED FOR</p>
	<p>DATE</p>
	<p>POSITION</p>
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	<p>04/01/20 FIRST SUBMITTAL</p>

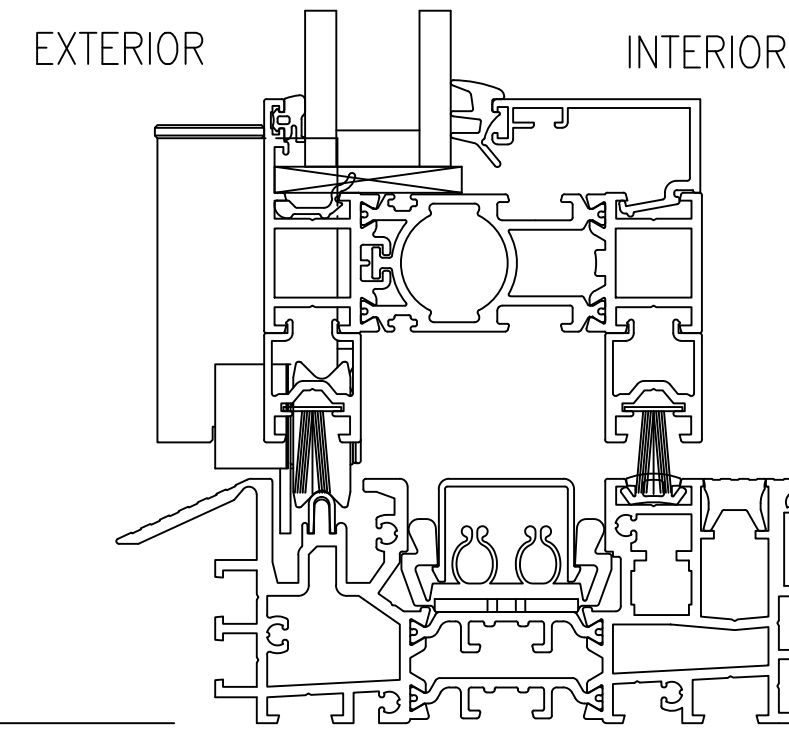




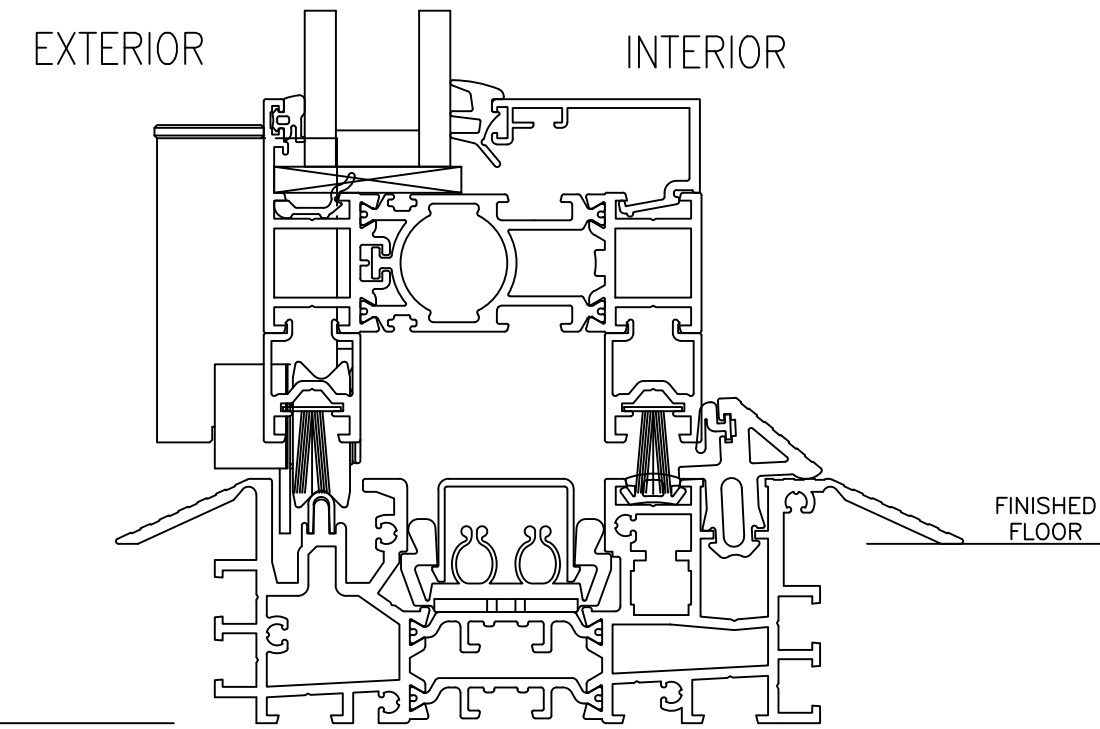
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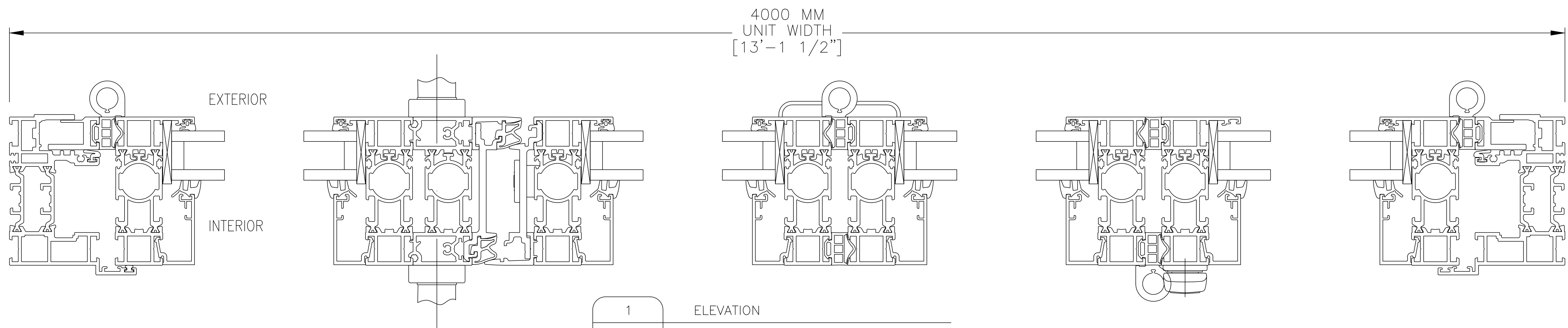
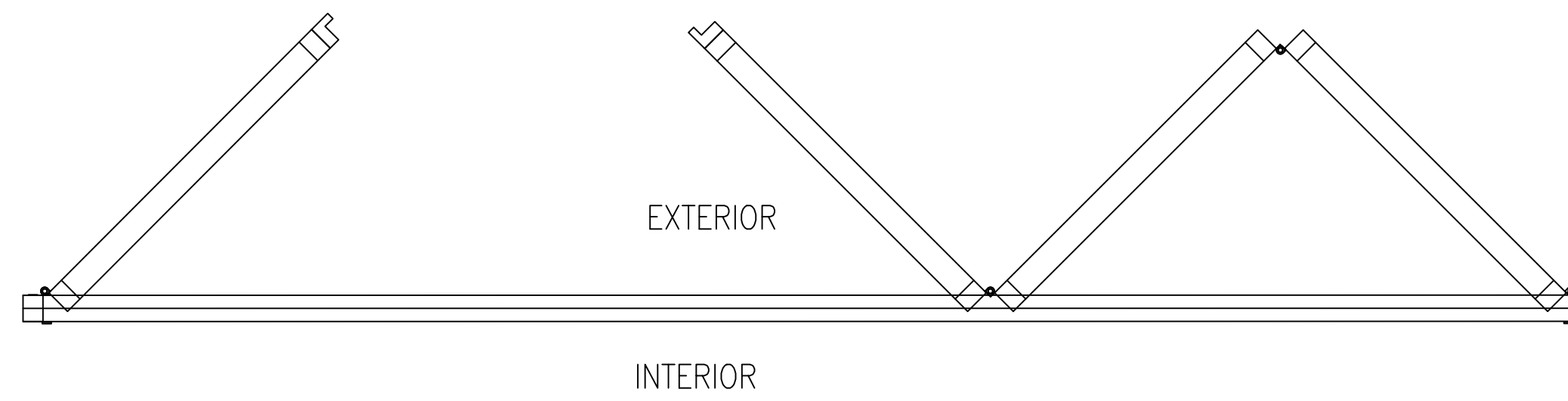
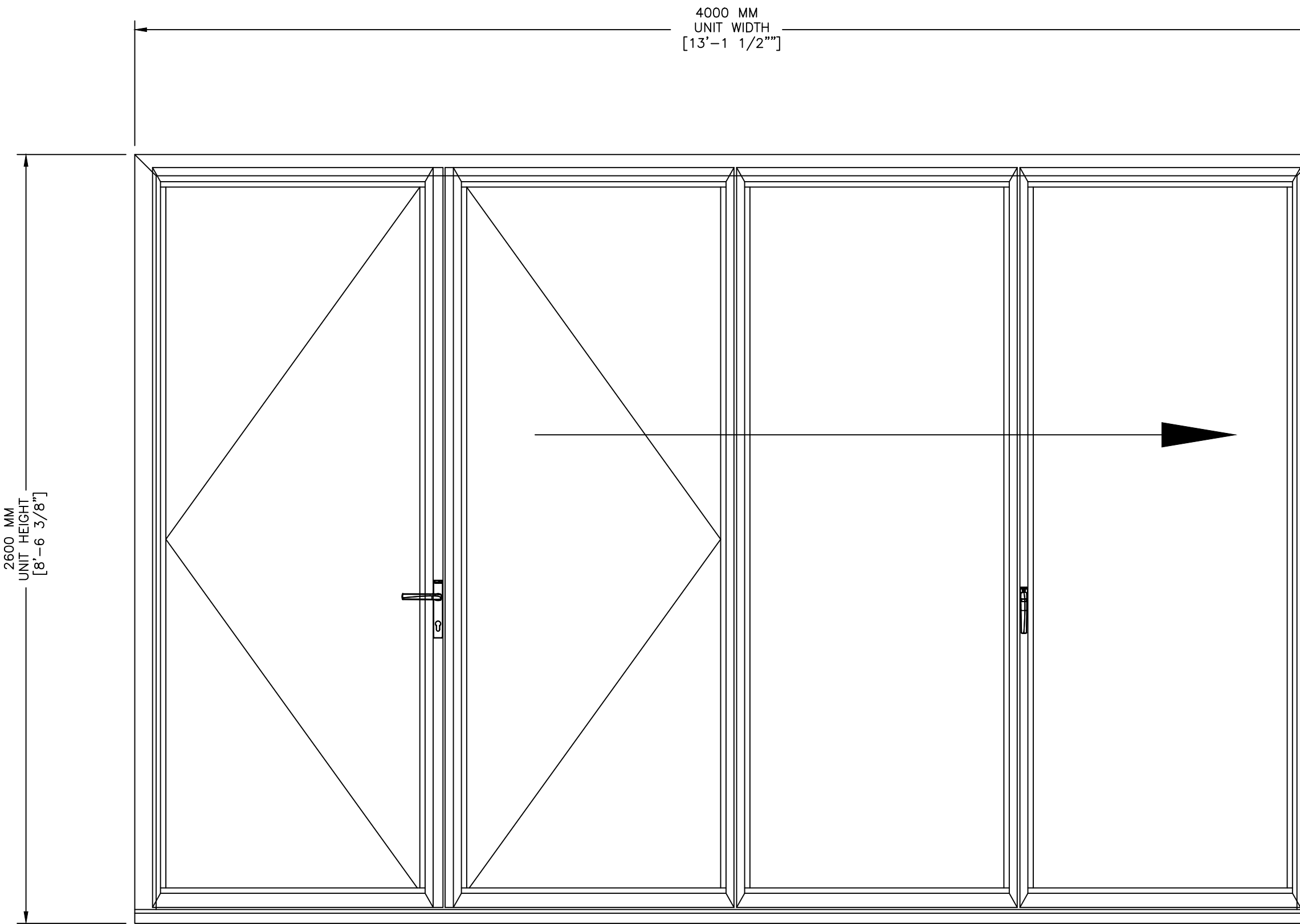
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UNIT WIDTH  
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LPSS



LPSS with UniverSILL



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ELEVATION

(TYPICAL: ELEVATIONS SHOWN FROM INTERIOR)  
 NANA WALL SL84 FOLDING SYSTEMS (ALU)  
 CONFIGURATION: OUTWARD 1 LEFT - 3 RIGHT (SLIDING PANELS)  
 SILL: LOW PROFILE SADDLE SILL WITH AND WITHOUT UNIVERSILL  
 MOUNT OPTION: FLOOR

<small>Engineering the Exceptional        Nana Wall Systems INC Phone: 800-873-5673        100 MEADOW CREEK DR. Box: 415-383-0312        www.nanawall.com info@nanawall.com</small>	
DWG. # DRAWN BY: AM SCALE: N.T.S. QUOTE ORDER SHEET	PROJECT INFORMATION SL84-LPSS WITH AND WITHOUT UNIVERSILL_OUTWARD 1L-3R
<input type="checkbox"/> APPROVED BY: PRINTED NAME: DATE:	DRAWINGS ISSUED FOR FIRST SUBMITTAL
DATE 08/11/20	POSITION NANAWALL POSITION NUMBER: CUSTOMER POSITION NUMBER:
<b>1 OF 1</b>	