

# 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 Reinforced (RE), 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 Reinforced Inswing Low Profile Saddle Sill

**Test Specimen:** Test results of SL64 Outswing Low Profile Saddle Sill Reinforced and SL84 Reinforced Outswing 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   | 0.11 / 0.29 cfm/ft <sup>2</sup> |
| Air (open weeps inner channel) negative 75 / 300 Pa   | 0.12 / 0.29 cfm/ft <sup>2</sup> |
| Air (closed weeps inner channel) positive 75 / 300 Pa | 0.09 / 0.24 cfm/ft <sup>2</sup> |
| Air (closed weeps inner channel) negative 75 / 300 Pa | 0.10 / 0.24 cfm/ft <sup>2</sup> |
| Water open weeps inner chamber                        | 260 Pa                          |
| Water closed weeps inner channel                      | 75 Pa                           |
| L/175 positive  | 2720 Pa / 56.8 psf              |
| L/175 negative  | 2720 Pa / 56.8 psf              |
| TP positive   | 6080 Pa / 127 psf               |
| TP negative   | 6080 Pa / 127 psf               |
| Permanent deflection                                  | None                            |
| Swing Door Cycling Testing                            | 500,000 cycles                  |

**Product Type:** Folding Door

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

**Test Specimen:** Test results of SL64 Reinforced Outswing Low Profile Saddle Sill and SL84 Reinforced Outswing 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-PG55-FLD 4000 x 2600 with UniverSILL |
| AAMA/WDMA/CSA 101/I.S.2/A440-17                       | Class LC-PG60-FLD 4000 x 2600 with UniverSILL |
| Air (open weeps inner channel) positive 75 / 300 Pa   | 0.12 / 0.29 cfm/ft <sup>2</sup>               |
| Air (open weeps inner channel) negative 75 / 300 Pa   | 0.11 / 0.29 cfm/ft <sup>2</sup>               |
| Air (closed weeps inner channel) positive 75 / 300 Pa | 0.10 / 0.24 cfm/ft <sup>2</sup>               |
| Air (closed weeps inner channel) negative 75 / 300 Pa | 0.09 / 0.24 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 chamber                        | 260 Pa  |
| Water closed weeps inner channel                      | 75 Pa   |
| Water with UniverSILL                                 | 450 Pa  |
| L/175 positive  | 2720 Pa / 56.8 psf                            |
| L/175 negative  | 2720 Pa / 56.8 psf                            |
| TP positive   | 6080 Pa / 127 psf                             |
| TP negative   | 6080 Pa / 127 psf                             |
| Permanent deflection                                  | None  |
| Swing Door Cycling Testing                            | 500,000 cycles                                |

**Product Type:** Folding Door

**Series/Model:** SL84 Reinforced Inswing Hybrid Sill

**Test Specimen:** Test results based on SL84 Reinforced Outswing Hybrid used to determine performance

| TITLE  | RESULTS                         |
|--|---------------------------------|
| AAMA/WDMA/CSA 101/I.S.2/A440-17              | Class CW-PG55-FLD 4000 x 2600   |
| AAMA/WDMA/CSA 101/I.S.2/A440-17              | Class LC-PG70-FLD 4000 x 2600   |
| Air (all weeps options) positive 75 / 300 Pa | 0.03 / 0.08 cfm/ft <sup>2</sup> |
| Air (all weeps options) negative 75 / 300 Pa | 0.03 / 0.09 cfm/ft <sup>2</sup> |
| Water no weeps                               | 150 Pa                          |
| Water with standard weeps                    | 510 Pa                          |
| Water with improved weep system              | 1200 Pa                         |
| L/175 positive                               | 2800 Pa / 58.5 psf              |
| L/175 negative                               | 2720 Pa / 56.8 psf              |
| TP positive                                  | 6080 Pa / 127 psf               |
| TP negative                                  | 6080 Pa / 127 psf               |
| Permanent deflection                         | None                            |
| Swing Door Cycling Testing                   | 500,000 cycles                  |

**Product Type:** Folding Door

**Series/Model:** SL84 Reinforced Outswing Hybrid Sill

**Test Specimen:** Unit 5

| TITLE  | RESULTS                         |
|--|---------------------------------|
| AAMA/WDMA/CSA 101/I.S.2/A440-17              | Class CW-PG55-FLD 4000 x 2600   |
| AAMA/WDMA/CSA 101/I.S.2/A440-17              | Class LC-PG70-FLD 4000 x 2600   |
| Air (all weeps options) positive 75 / 300 Pa | 0.03 / 0.09 cfm/ft <sup>2</sup> |
| Air (all weeps options) negative 75 / 300 Pa | 0.03 / 0.08 cfm/ft <sup>2</sup> |
| Water no weeps                               | 150 Pa                          |
| Water with standard weeps                    | 510 Pa                          |
| Water with improved weep system              | 1200 Pa                         |
| L/175 positive                               | 2720 Pa / 56.8 psf              |
| L/175 negative                               | 2800 Pa / 58.5 psf              |
| TP positive                                  | 6080 Pa / 127 psf               |
| TP negative                                  | 6080 Pa / 127 psf               |
| Permanent deflection                         | None                            |
| Swing Door Cycling Testing                   | 500,000 cycles                  |

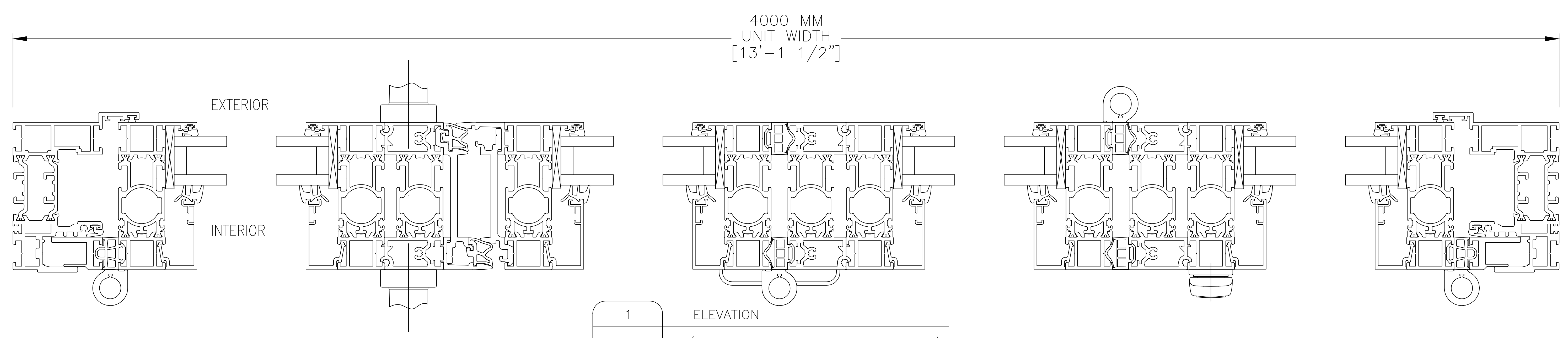
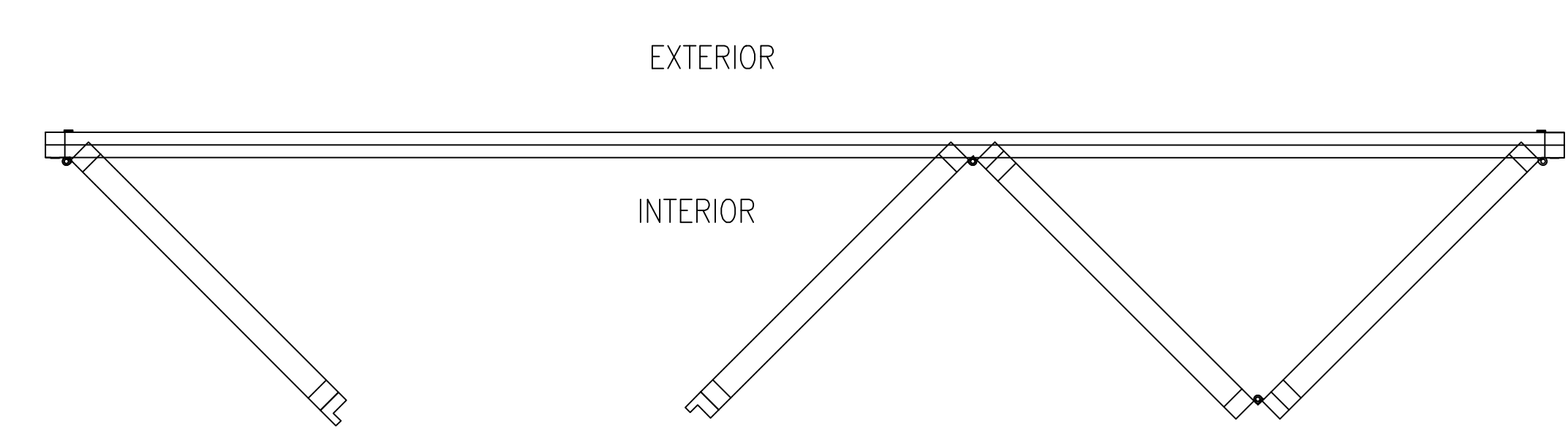
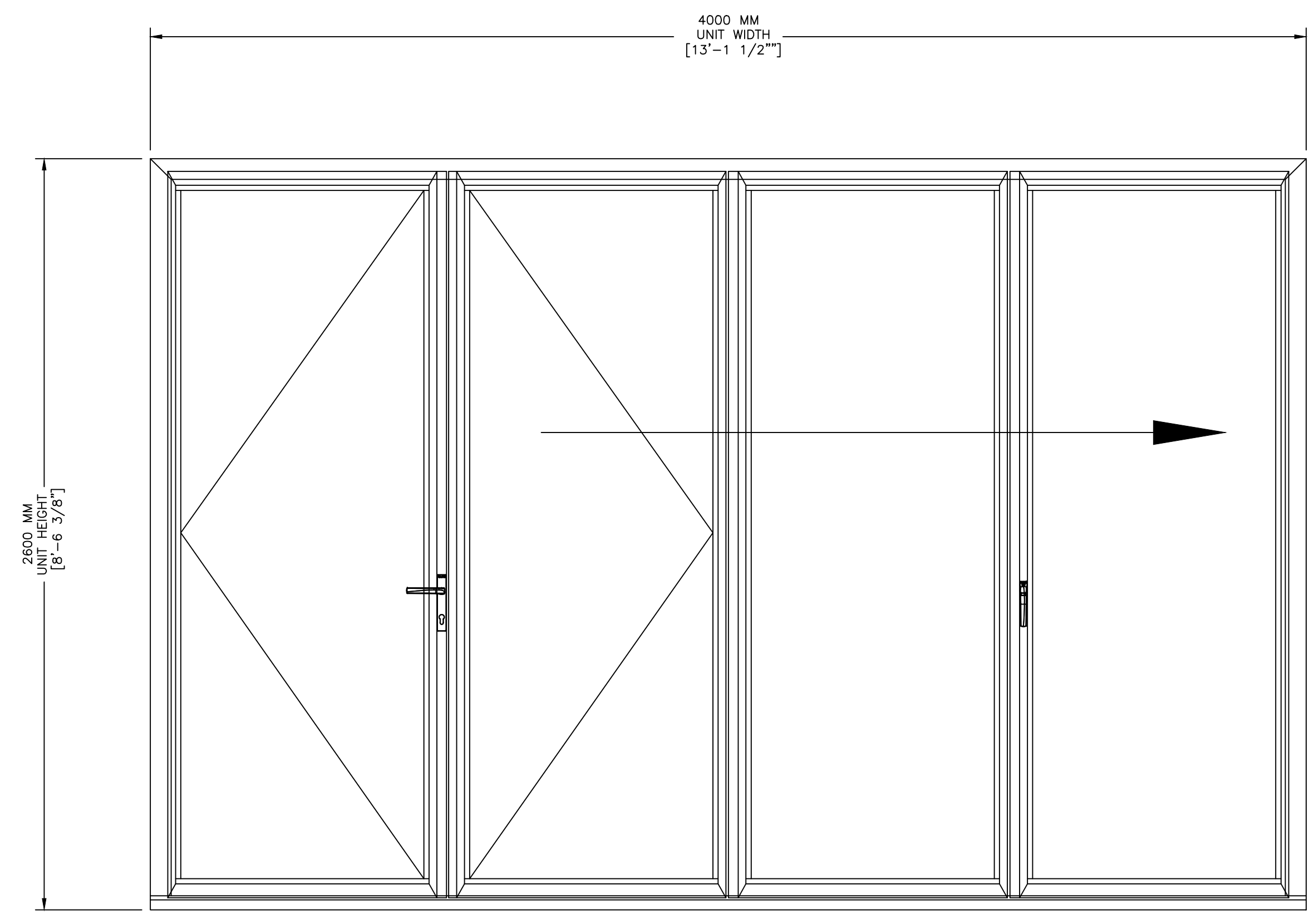
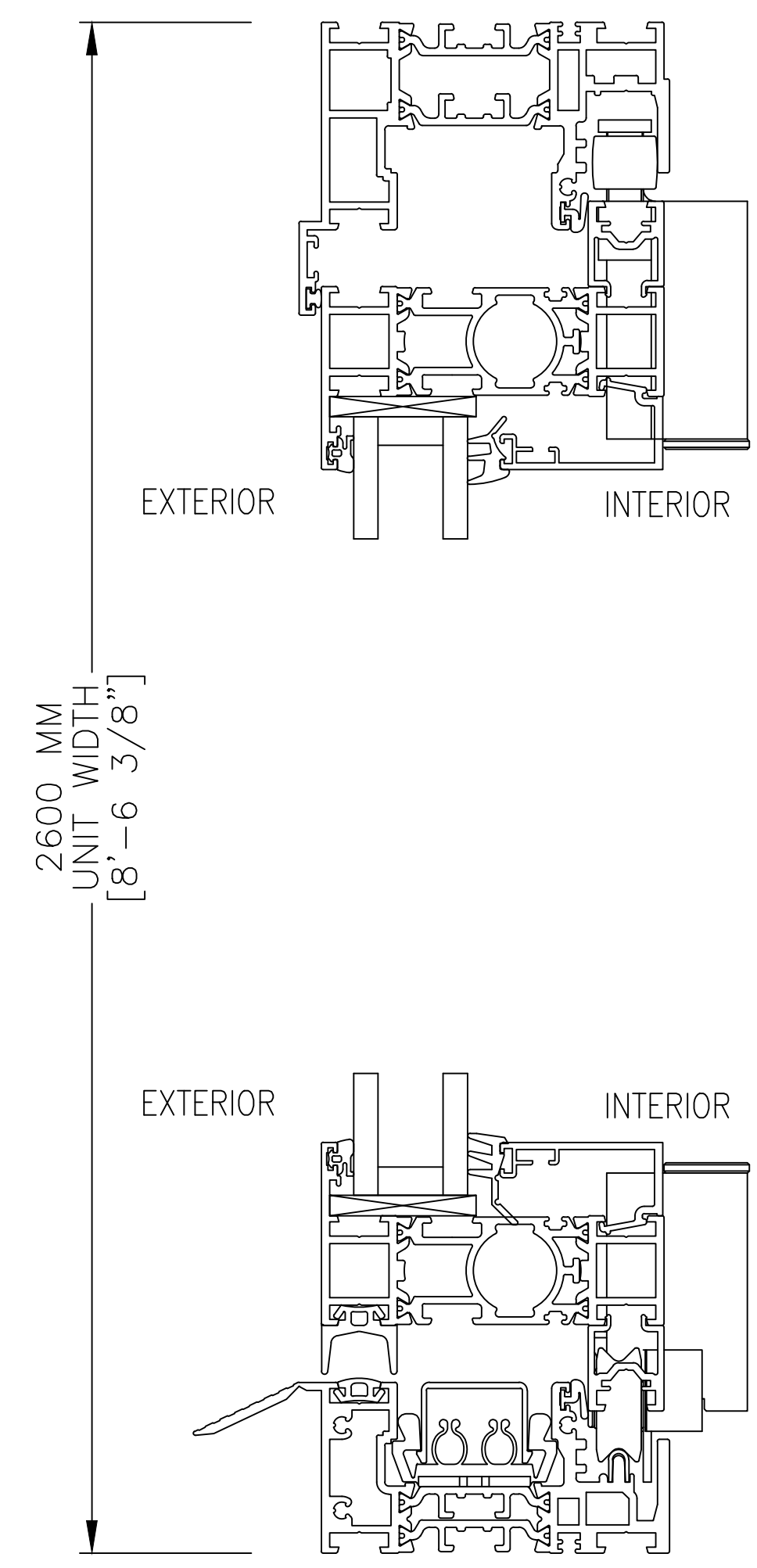
## SECTION 4

### 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

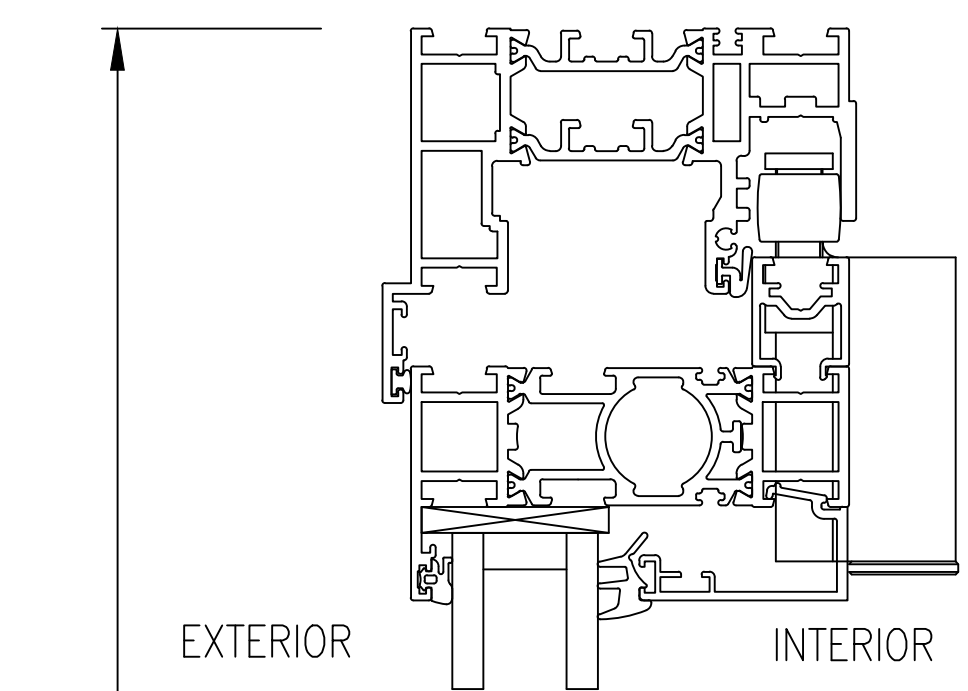


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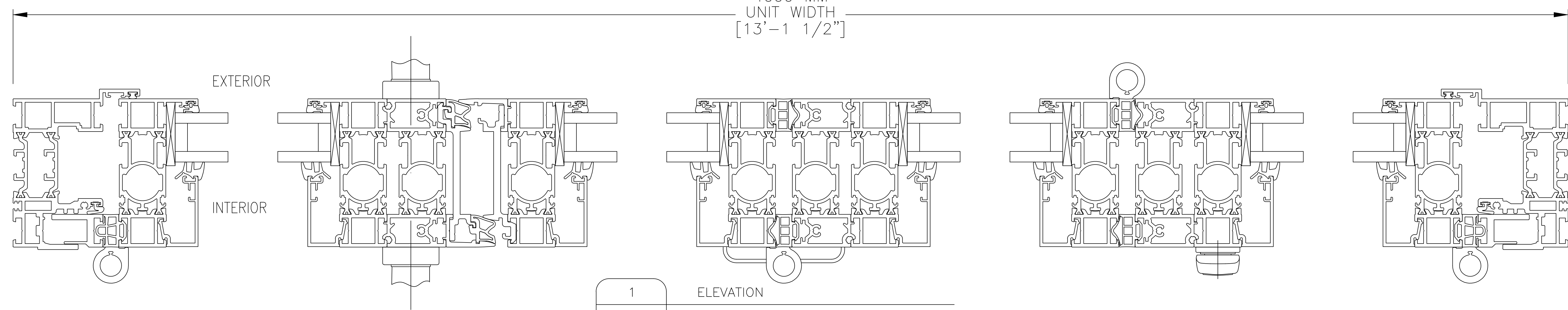
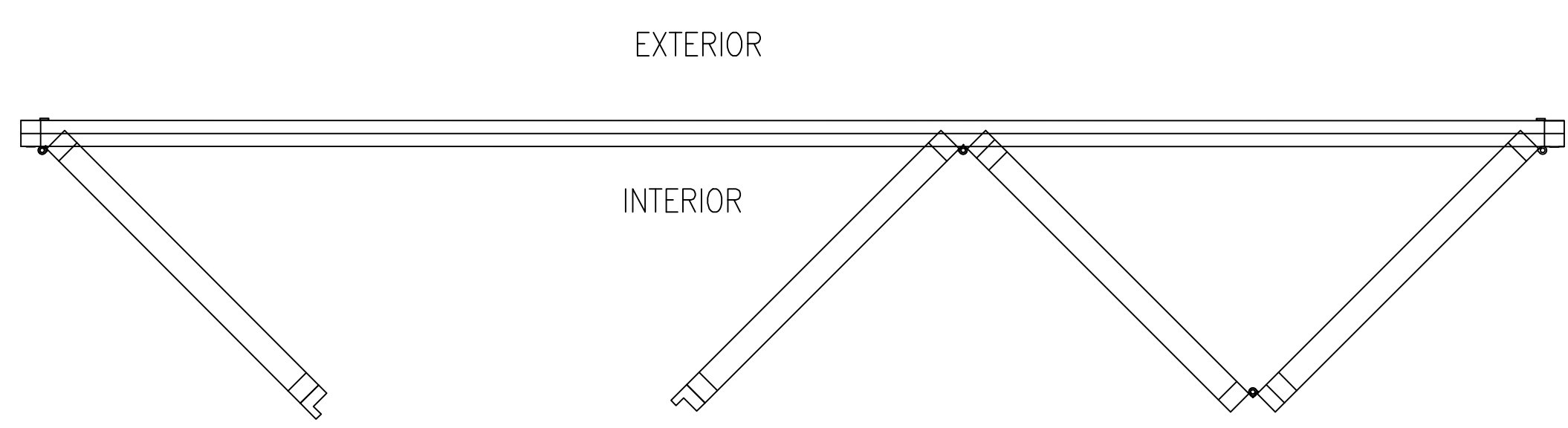
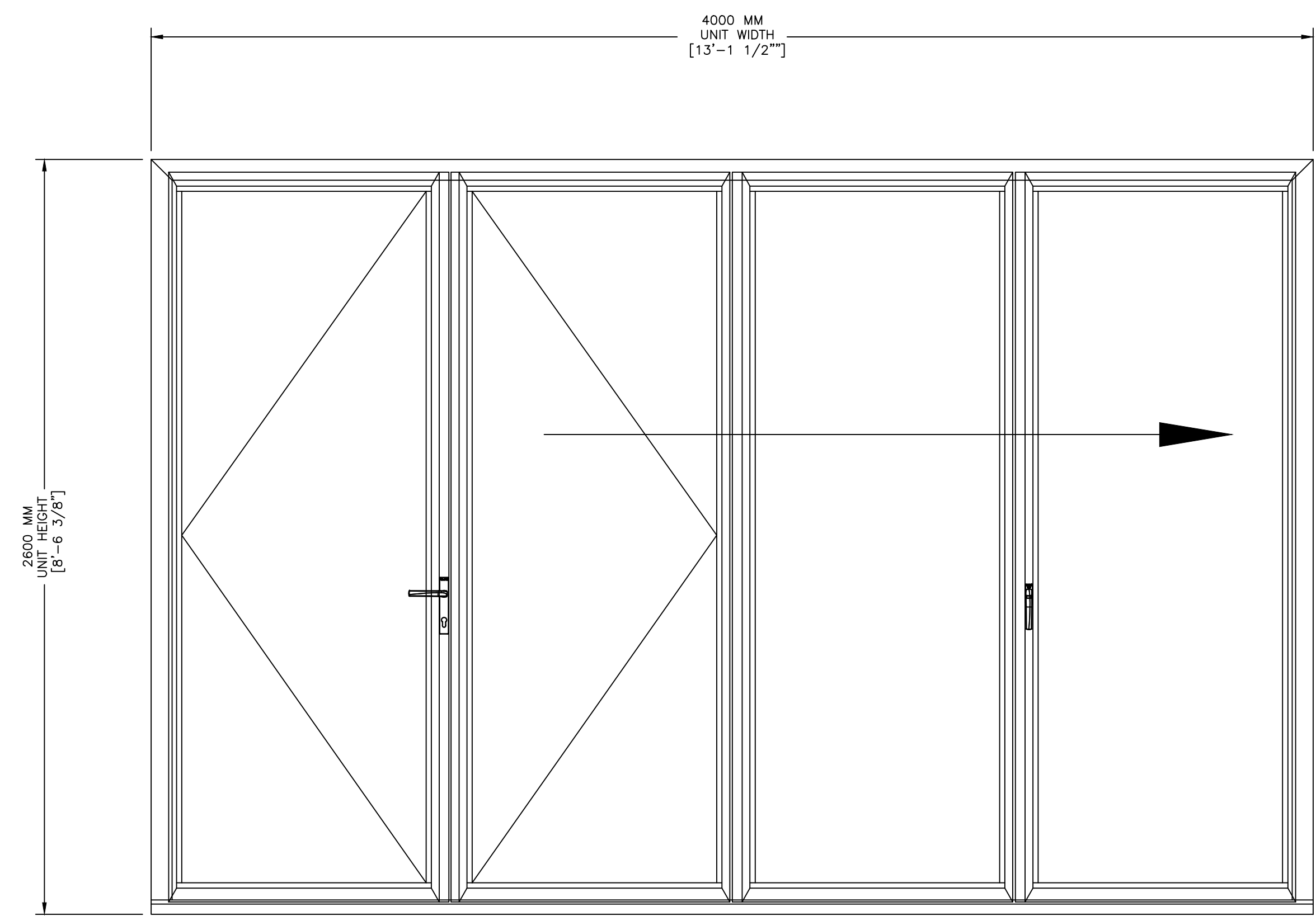
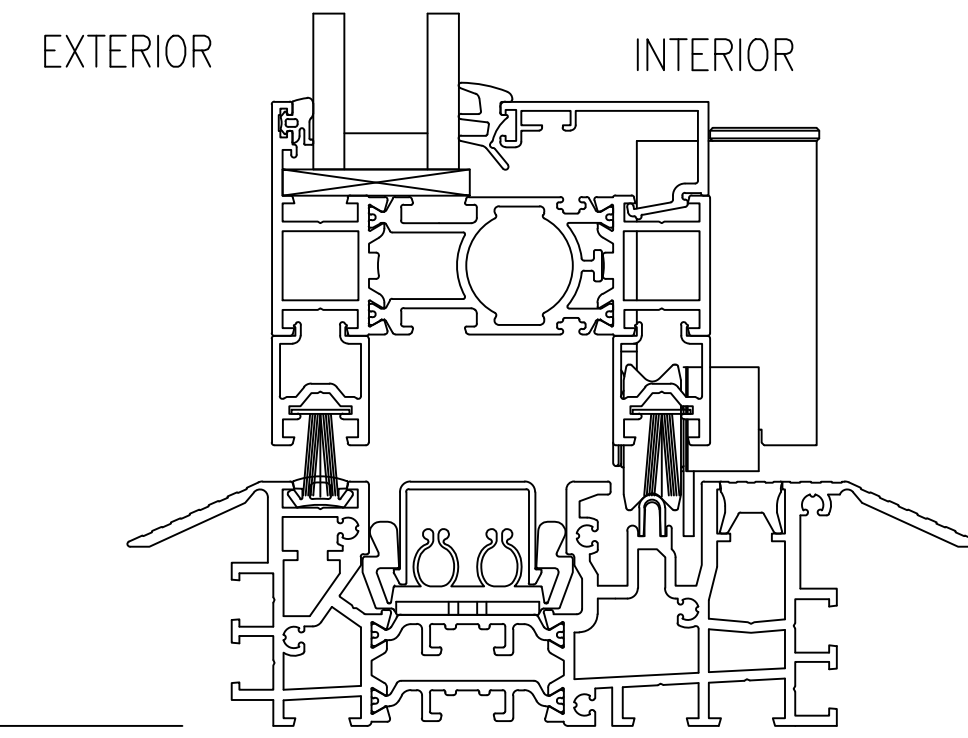
ELEVATION  
 (TYPICAL: ELEVATIONS SHOWN FROM INTERIOR)  
 NANA WALL SL84 REINFORCED FOLDING SYSTEMS (ALU)  
 CONFIGURATION: INWARD 1 LEFT - 3 RIGHT (SLIDING PANELS)  
 SILL: HYBRID SILL  
 MOUNT OPTION: FLOOR

|  |  |                     |  |  |  |
|--|--|---------------------|--|--|--|
| PROJECT INFORMATION                                |  | DRAWINGS ISSUED FOR |  | POSITION   |  |
| SL84_HYBRID_SILL_INWARD_1L-3R<br>(REINFORCED UNIT) |  | FIRST SUBMITTAL     |  | NANAWALL POSITION NUMBER:<br>CUSTOMER POSITION NUMBER: |  |
| DATE:  |  | DATE:               |  | DATE:  |  |
| APPROVED   |  | APPROVAL            |  | BY:  |  |
| BY:  |  | PRINTED NAME:       |  | DATE:  |  |
| DWG. #   |  | DRAWN BY            |  | SCALE  |  |
| SCALE  |  | N.T.S.              |  | QUOTE  |  |
| ORDER  |  | SHEET               |  | 1 OF 1   |  |

**NanaWall**  
 Engineering the Exceptional  
 100 MEADOW CREEK DR. E-412  
 CORTE MADERA, CA 94925  
 info@nanawall.com



2600 MM  
UNIT HEIGHT  
[8'-6 3/8"]

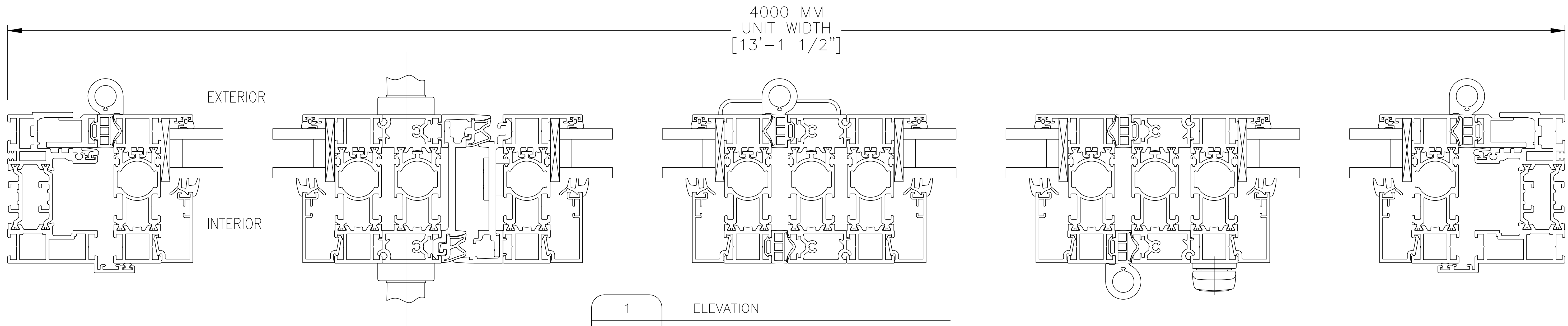
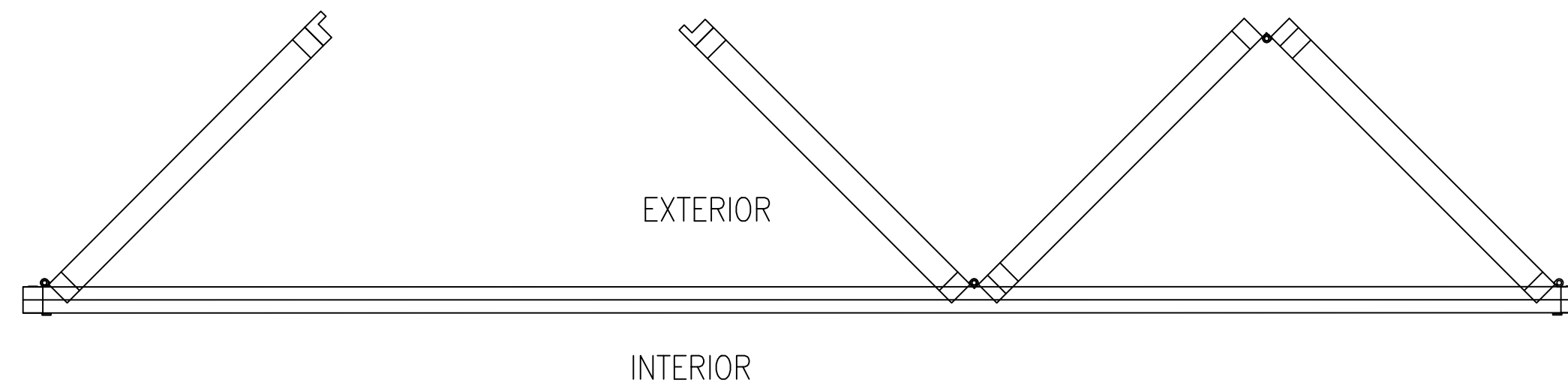
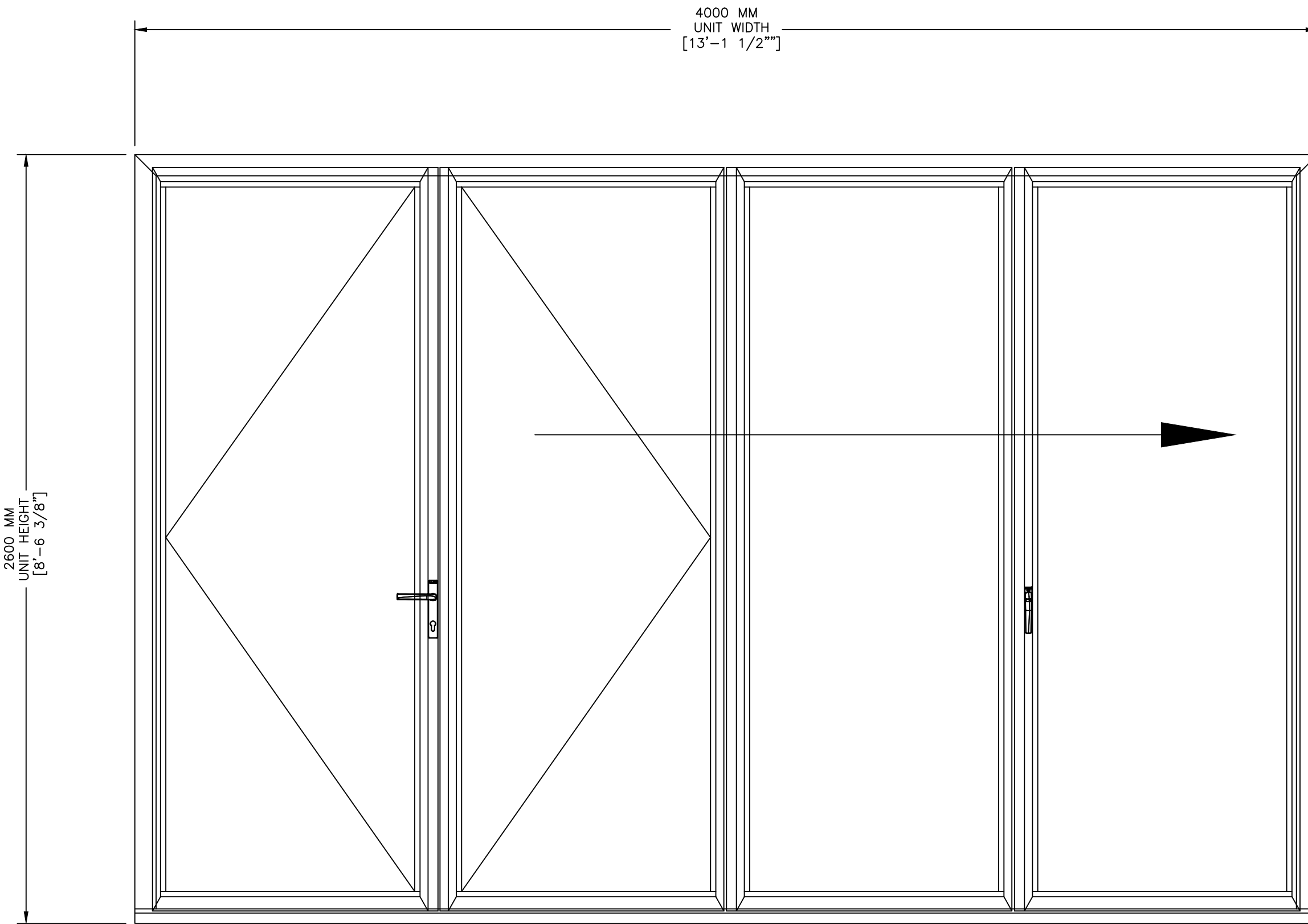
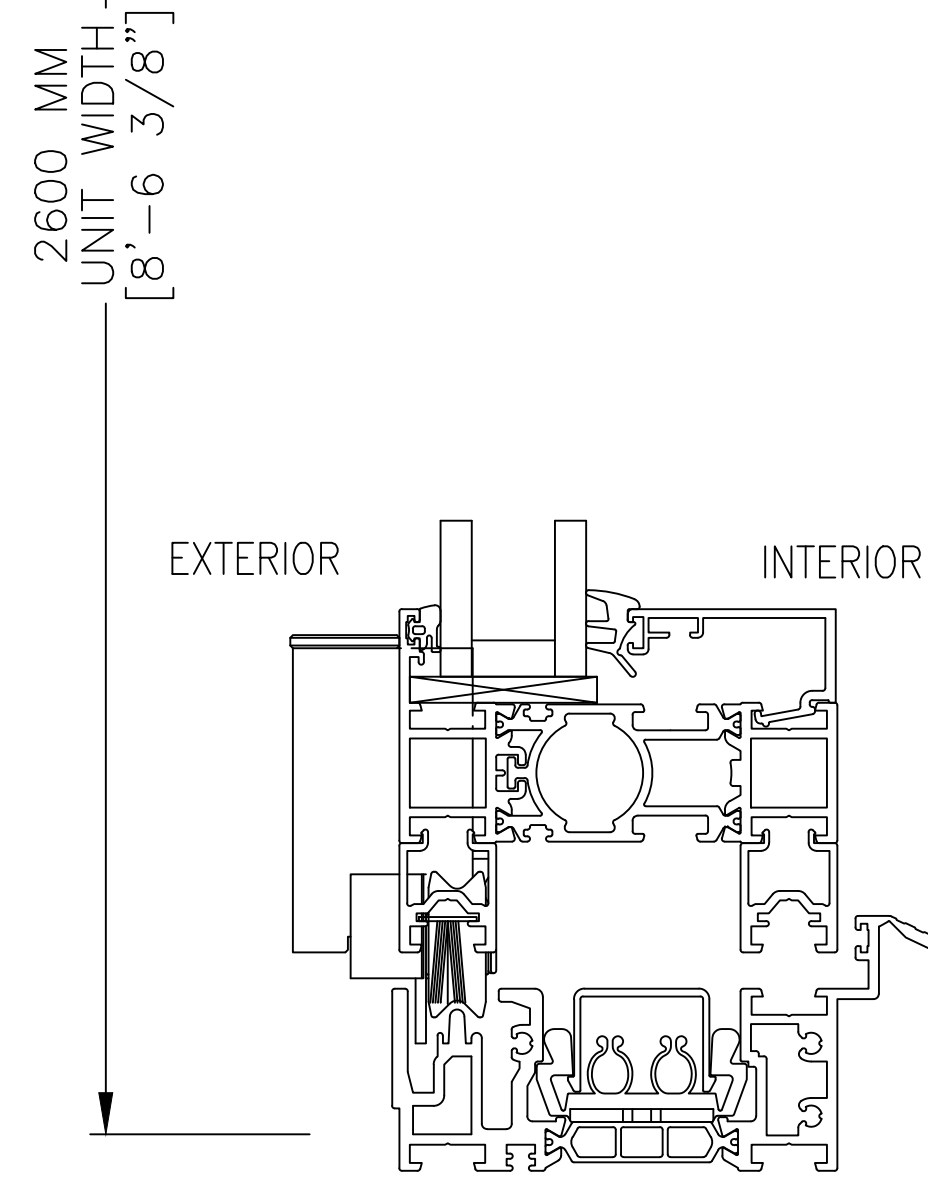
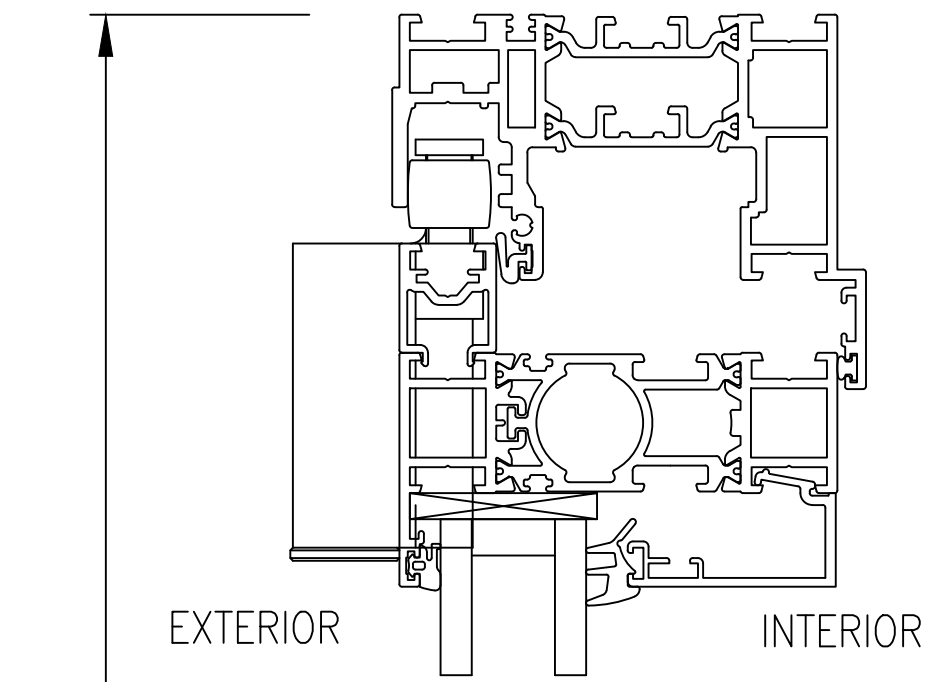


1

ELEVATION

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

|   |  |
|---|--|
| <b>NanaWall</b><br><small>Engineering the Exceptional</small><br><small>100 MEADOW CREEK DR. E-24-41P-085-0312</small><br><small>CORTE MADERA, CA 94925</small><br><small>info@nanawall.com</small> |  |
| DWG. #<br>DRAWN BY<br>SCALE<br>QUOTE<br>ORDER<br>SHEET  | PROJECT INFORMATION<br>SL84_LPSS_INWARD 1L-3R<br>(REINFORCED UNIT) |
| <input type="checkbox"/> APPROVED<br>BY:<br>PRINTED NAME:<br>DATE:  | APPROVAL<br>DATE:  |
| DRAWINGS ISSUED FOR<br>04/01/20 FIRST SUBMITTAL   | POSITION<br>NANAWALL POSITION NUMBER:<br>CUSTOMER POSITION NUMBER: |
| <b>1 OF 1</b>   |  |



1

ELEVATION

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

|                           |  |
|---------------------------|--|
| POSITION                  |  |
| NANAWALL POSITION NUMBER: |  |
| CUSTOMER POSITION NUMBER: |  |

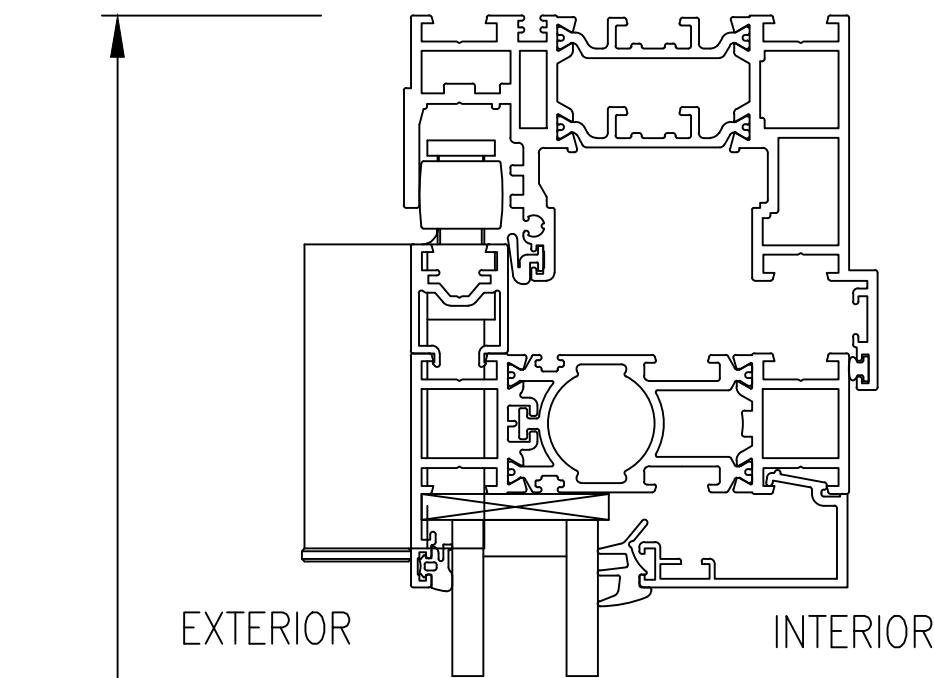
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|---------------------|--|
| DRAWINGS ISSUED FOR |  |
| FIRST SUBMITTAL     |  |

|               |          |
|---------------|----------|
| DATE          | 08/26/20 |
| APPROVAL      |          |
| BY:           |          |
| PRINTED NAME: |          |
| DATE:         |          |

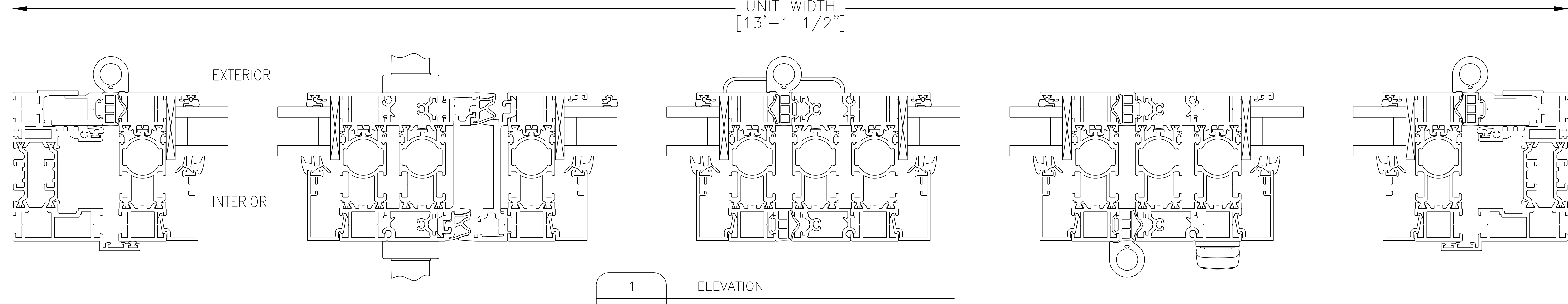
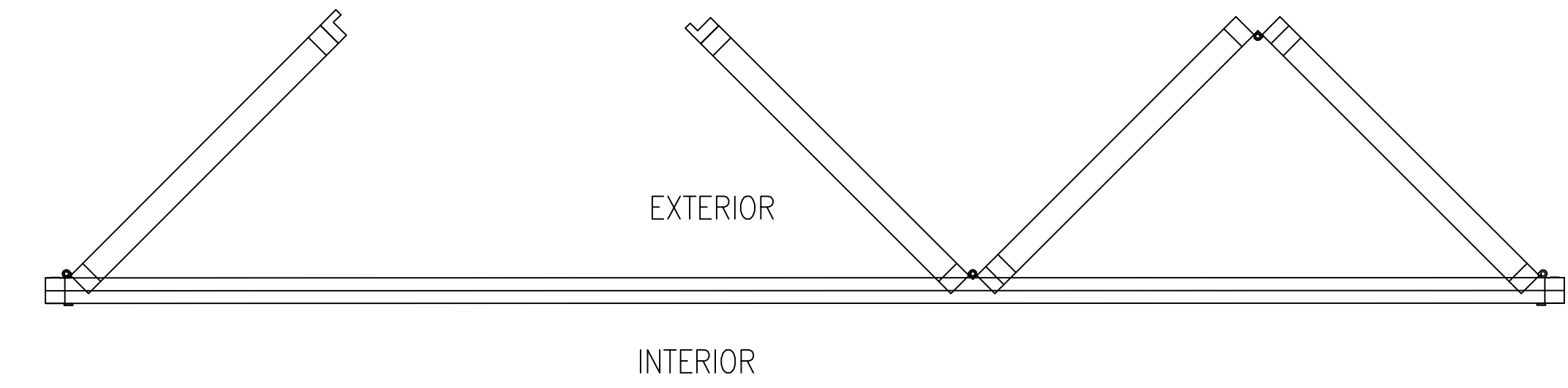
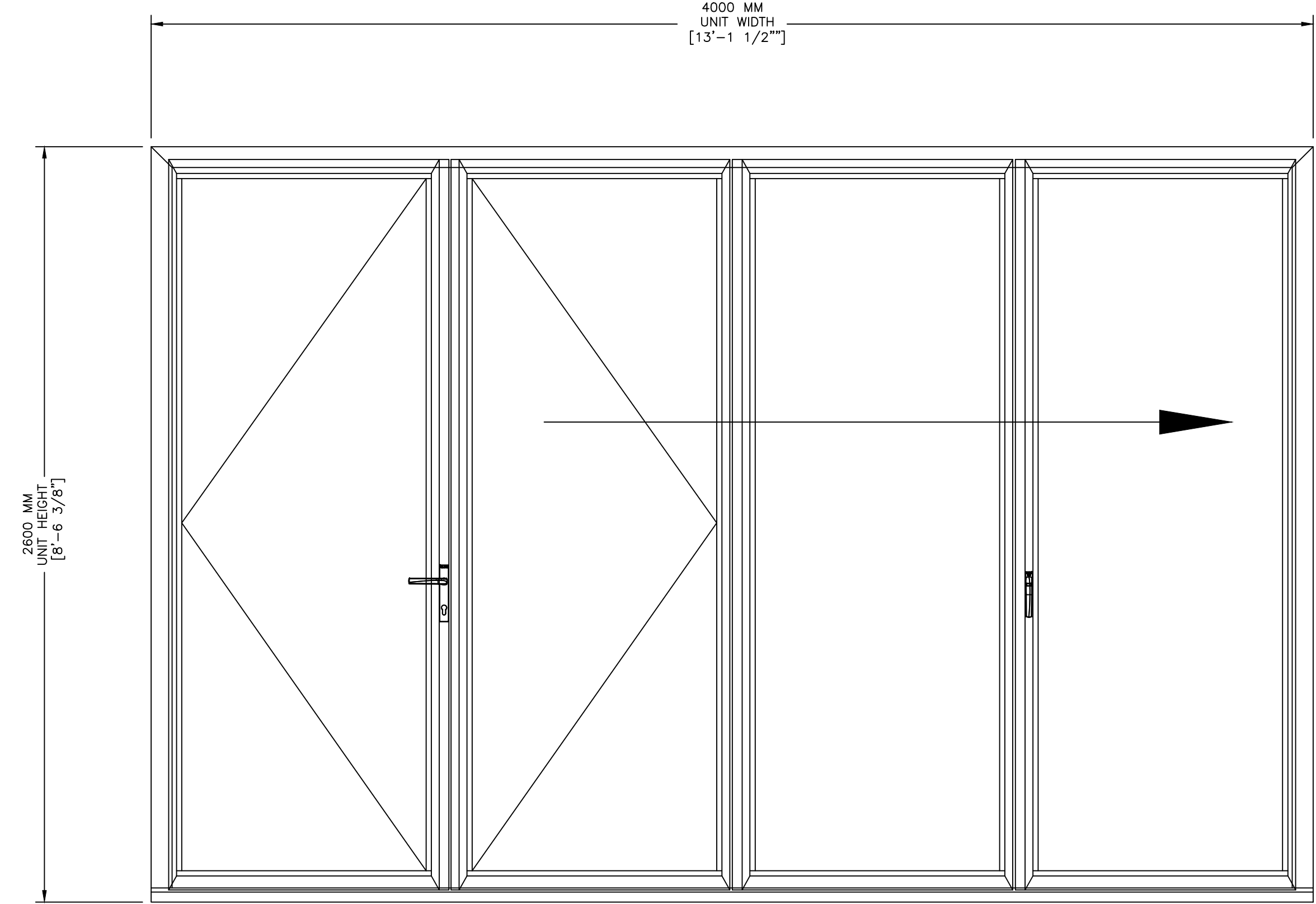
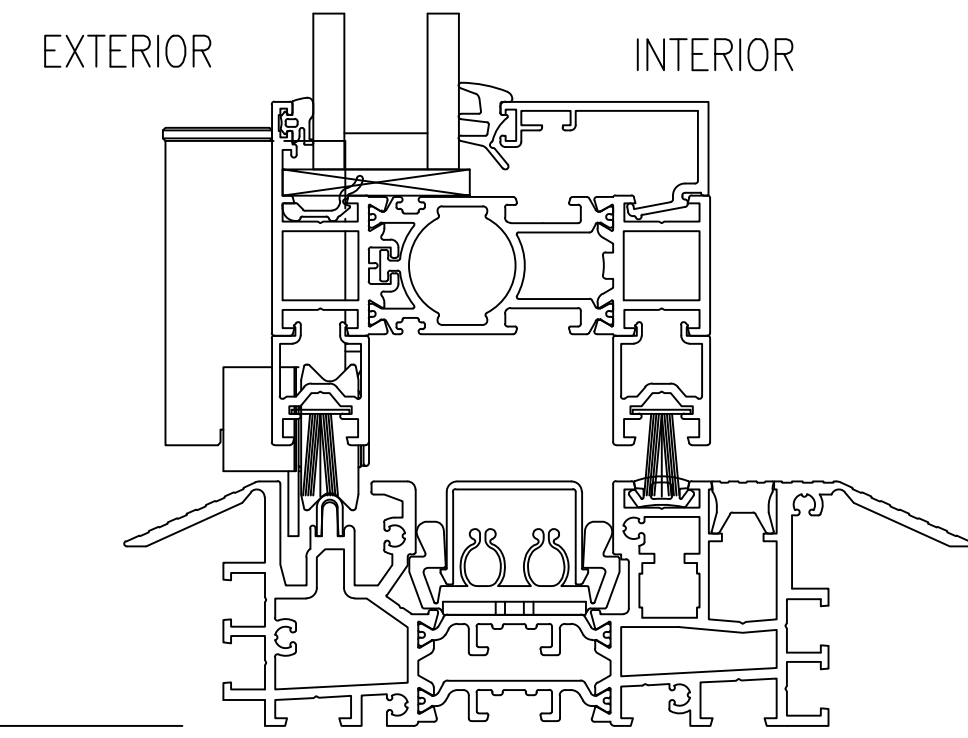
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|---|--|
| PROJECT INFORMATION                                 |  |
| SL84_HYBRID SILL_OUTWARD 1L-3R<br>(REINFORCED UNIT) |  |

|          |        |
|----------|--------|
| DWG. #   |        |
| DRAWN BY | AM     |
| SCALE    | N.T.S. |
| QUOTE    |        |
| ORDER    |        |
| SHEET    |        |
| 1 OF 1   |        |





2600 MM  
UNIT WIDTH  
[8'-6 3/8"]



1

ELEVATION

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

|   |   |
|---|---|
| <b>NanaWall</b><br><small>Engineering the Exceptional</small><br><small>Nana Wall Systems</small><br><small>100 MEADOW CREEK DR. E-64-41P-085-0312</small><br><small>CORTE MADERA, CA 94925</small><br><small>info@nanawall.com</small> |   |
| DWG. #<br>DRAWN BY<br>SCALE<br>QUOTE<br>ORDER<br>SHEET  | PROJECT INFORMATION<br>SL84_LPSS_OUTWARD 1L-3R<br>(REINFORCED UNIT) |
| <input type="checkbox"/> APPROVED<br>BY:<br>PRINTED NAME:<br>DATE:  | APPROVAL<br>DATE: 04/01/20  |
| DRAWINGS ISSUED FOR<br>FIRST SUBMITTAL  | POSITION<br>NANAWALL POSITION NUMBER:<br>CUSTOMER POSITION NUMBER:  |
| <b>1 OF 1</b>   |   |