

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

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SHEET NO.	DESCRIPTION
1	NOTES
2 - 3	ELEVATION
4	DESIGN PRESSURE CHARTS
5	CROSS SECTION
6 - 8	INSTALLATION DETAILS
9	COMPONENTS

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

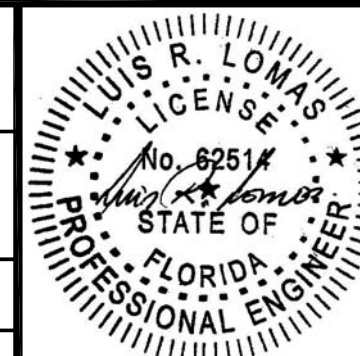
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SERIES NW ALUMINUM 840/SL84/HIGHLINE INSWING  
FOLDING DOOR NON IMPACT  
NOTES

DRAWN: A.R.	DWG NO. 08-03748	REV -
SCALE NTS	DATE 07/26/2021	SHEET 1 OF 9

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

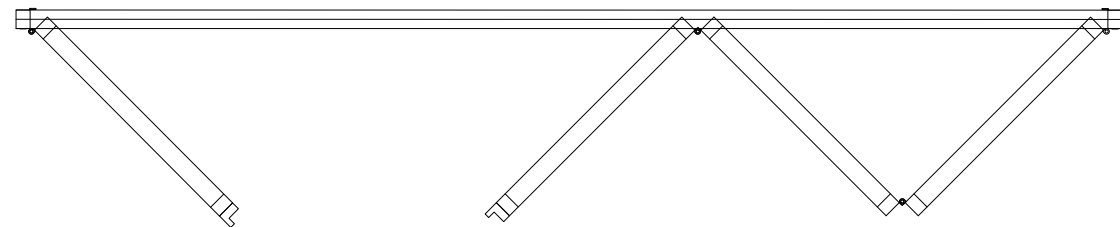
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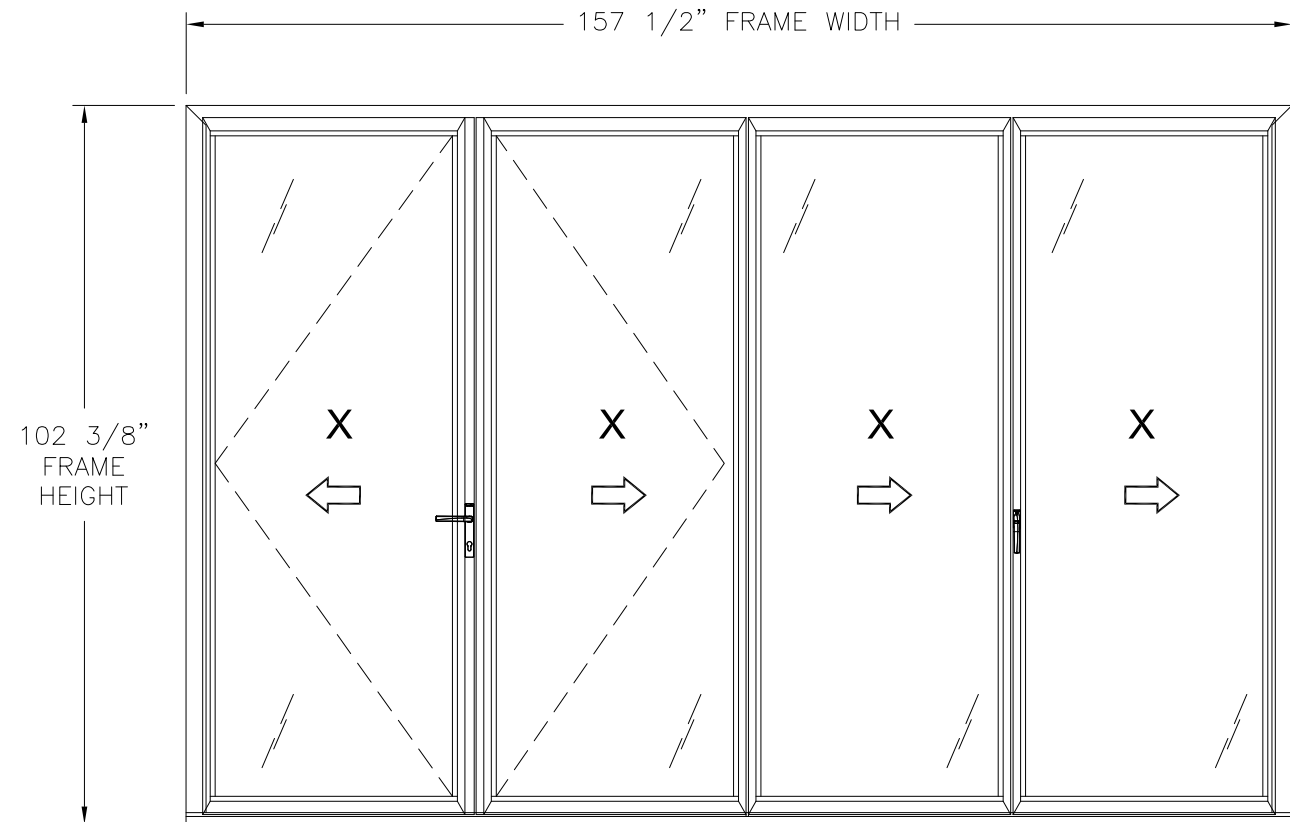
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FL No.: 62514

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EXTERIOR



INTERIOR



**SERIES NW ALUMINUM 840 FOLDING PANEL SYSTEM INSWING**

INTERIOR VIEW

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

WITH HYBRID SILL

DESIGN PRESSURE RATING	IMPACT RATING
+40.0/-45.0PSF	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

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

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

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 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 #6, SHEET 4

WITH SADDLE SILL OR FLUSH SILL

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED  
FOR OTHER SIZES RATINGS SEE CHART #7, SHEET 4

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 #8, SHEET 4

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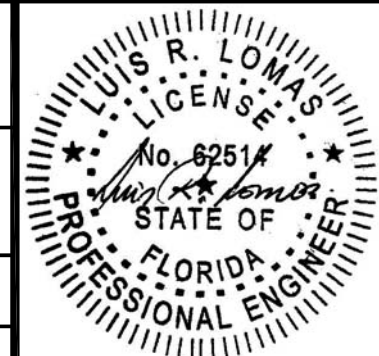
NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250  
CORTE MADERA, CA 94925

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

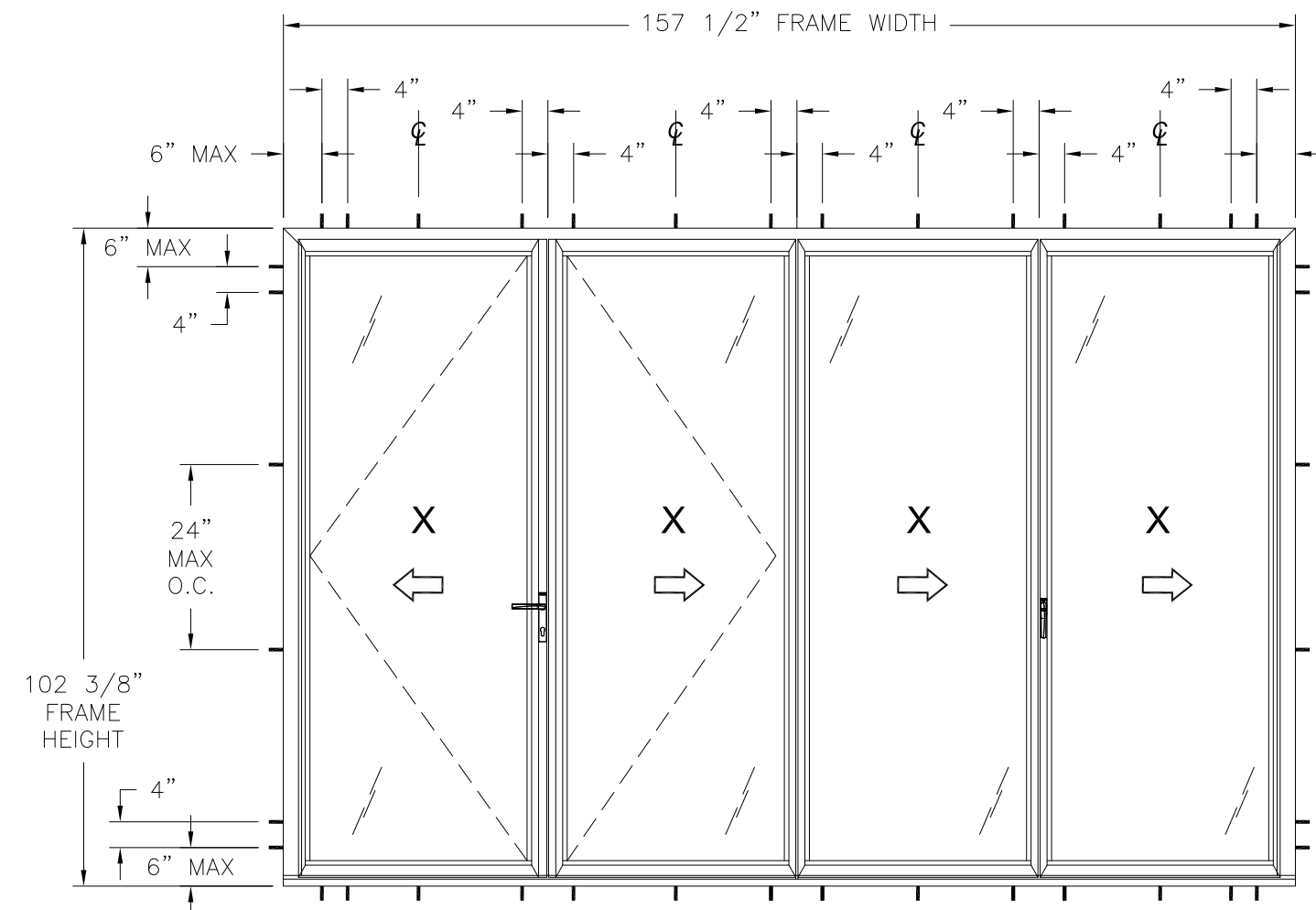
DRAWN: A.R.	DWG NO. 08-03748	REV -
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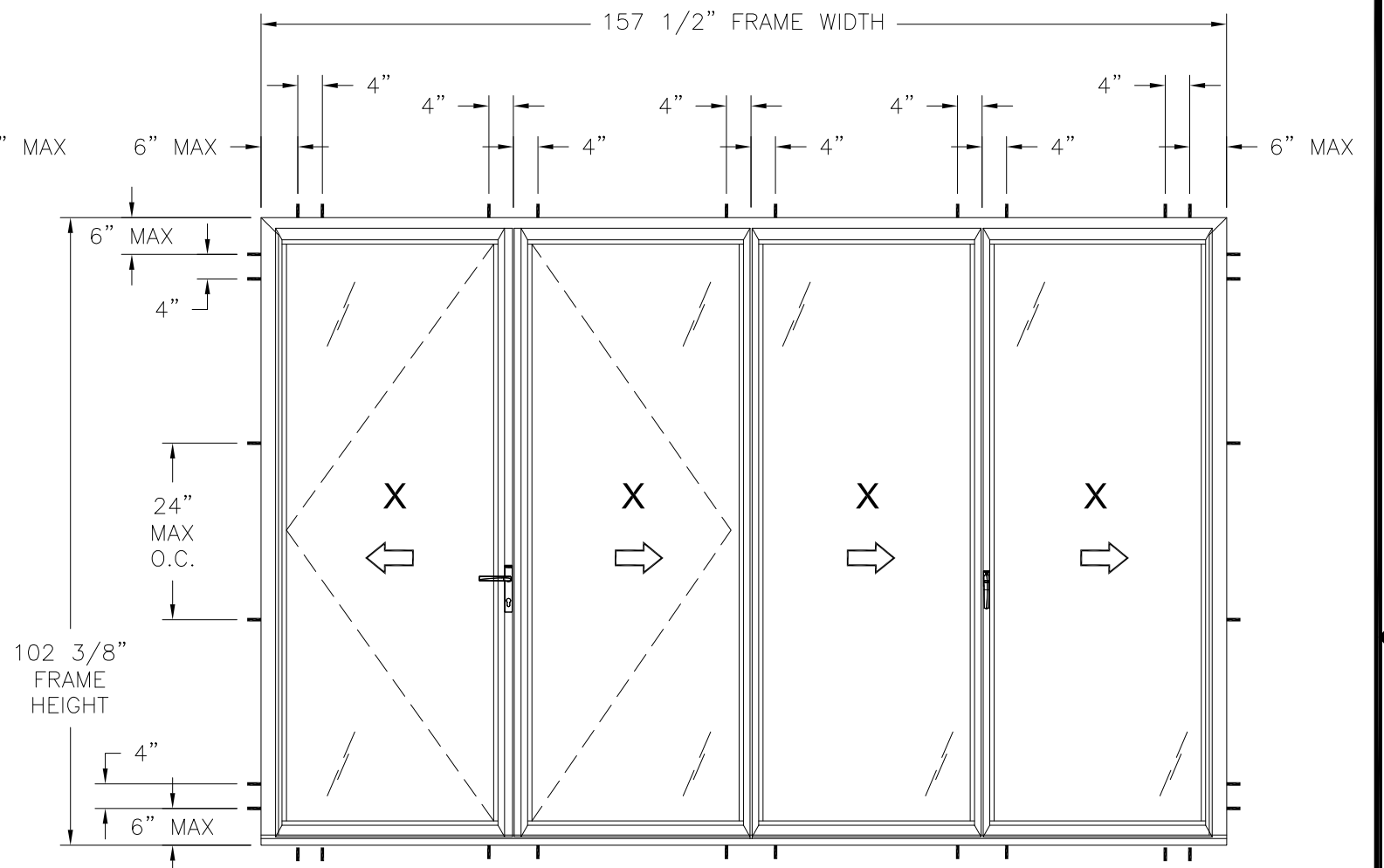


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**SERIES NW ALUMINUM 840 FOLDING PANEL SYSTEM INSWING**  
 ANCHORING LAYOUT FOR UNITS RATED HIGHER THAN 40PSF



**SERIES NW ALUMINUM 840 FOLDING PANEL SYSTEM INSWING**  
 ANCHORING LAYOUT FOR UNITS RATED LOWER THAN 40PSF

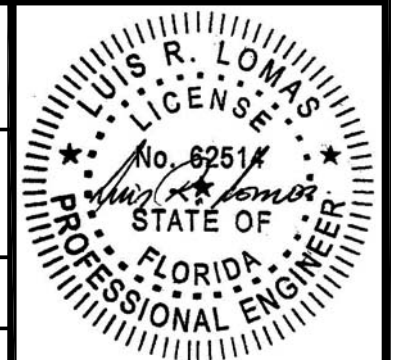
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NANA WALL SYSTEMS, INC.  
 100 MEADOWCREEK DRIVE, SUITE 250  
 CORTE MADERA, CA 94925

SERIES NW ALUMINUM 840/SL84/HIGHLINE INSWING  
 FOLDING DOOR NON IMPACT  
 ANCHORING LAYOUTS

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SCALE NTS	DATE 07/26/2021	SHEET 3 OF 9

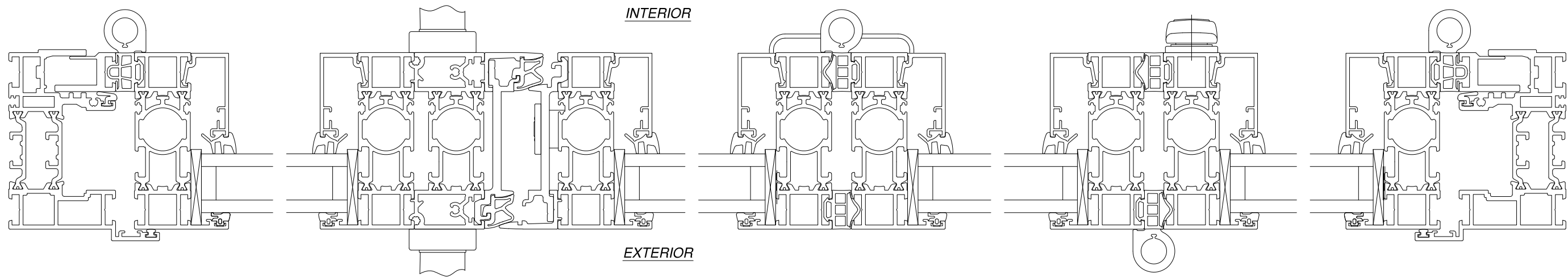
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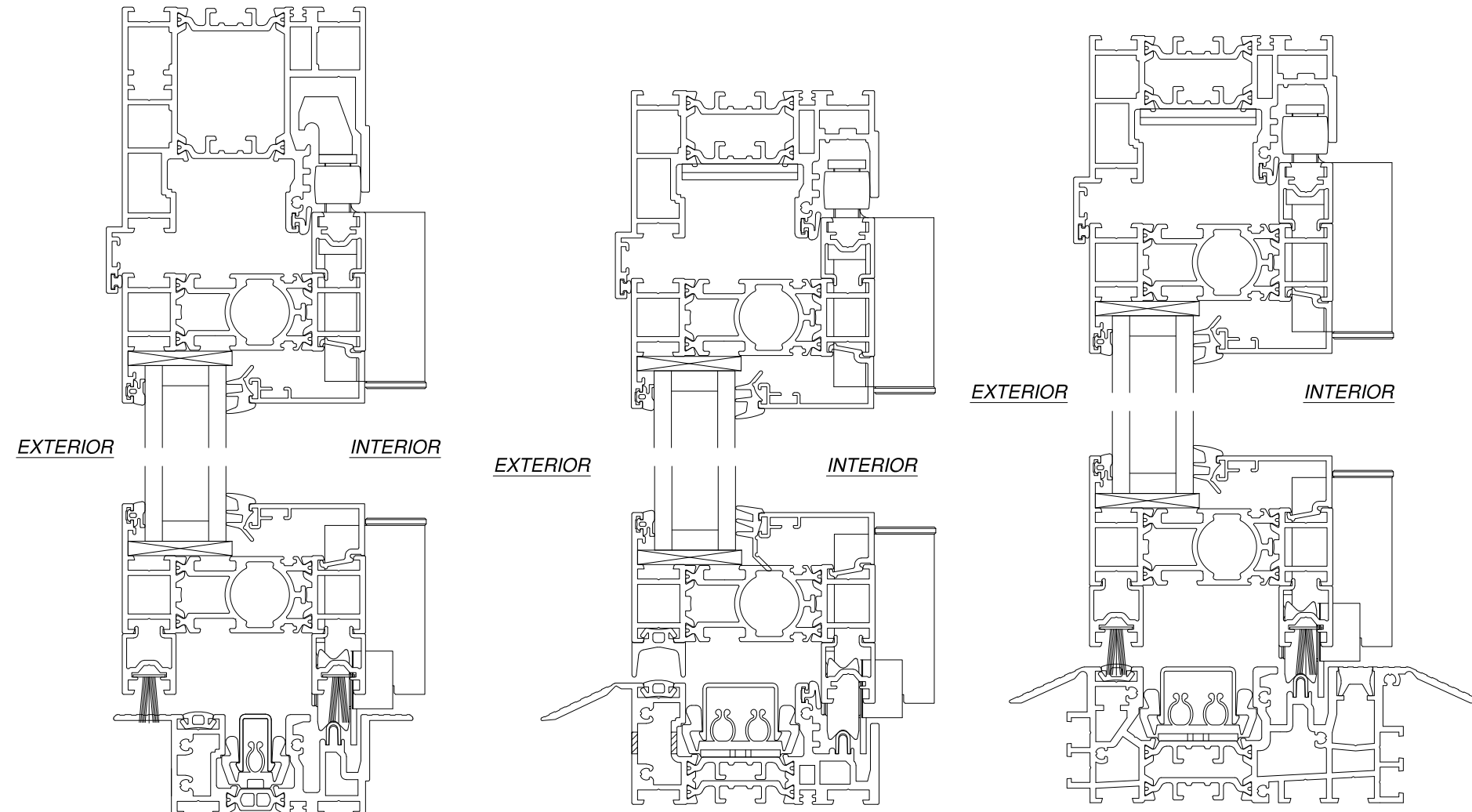
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**HORIZONTAL CROSS SECTION**



**VERTICAL CROSS SECTION  
WITH EXTENDED HEAD & FLUSH SILL**

**VERTICAL CROSS SECTION  
WITH HYBRID SILL**

**VERTICAL CROSS SECTION  
WITH SADDLE SILL**

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

SERIES NW ALUMINUM 840/SL84/HIGHLINE INSWING  
 FOLDING DOOR NON IMPACT  
 CROSS SECTIONS

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SCALE NTS	DATE 07/26/2021	SHEET 5 OF 9

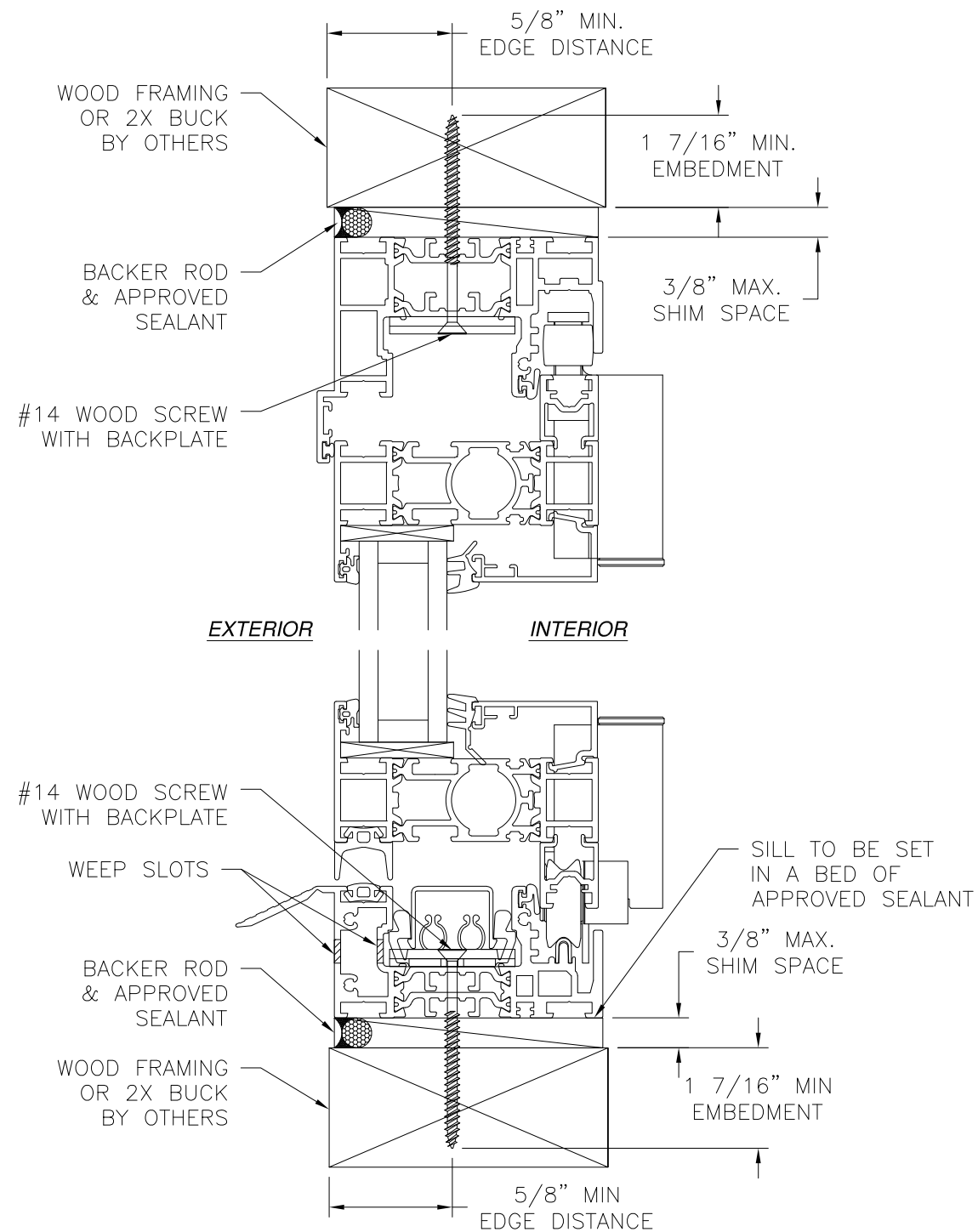
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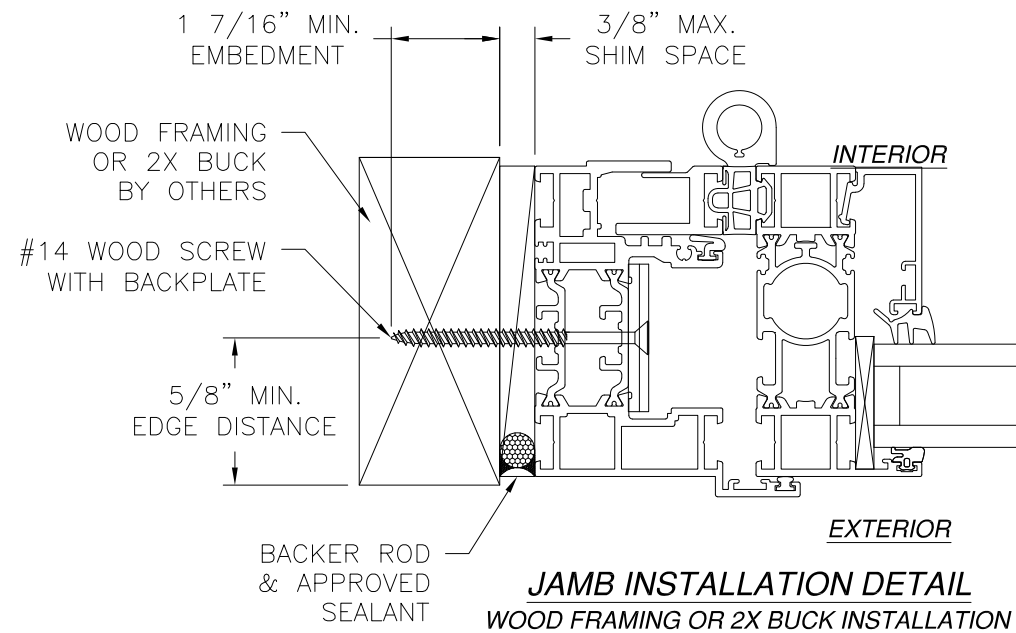


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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION  
HYBRID SILL SHOWN, OTHER SILLS SIMILAR



**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

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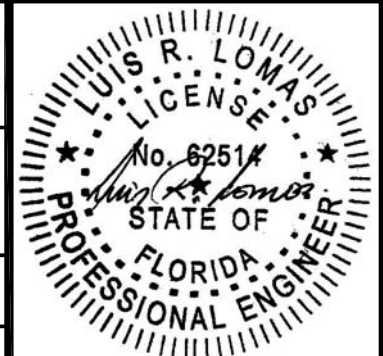
NANA WALL SYSTEMS, INC.

100 MEADOWCREEK DRIVE, SUITE 250  
CORTE MADERA, CA 94925

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

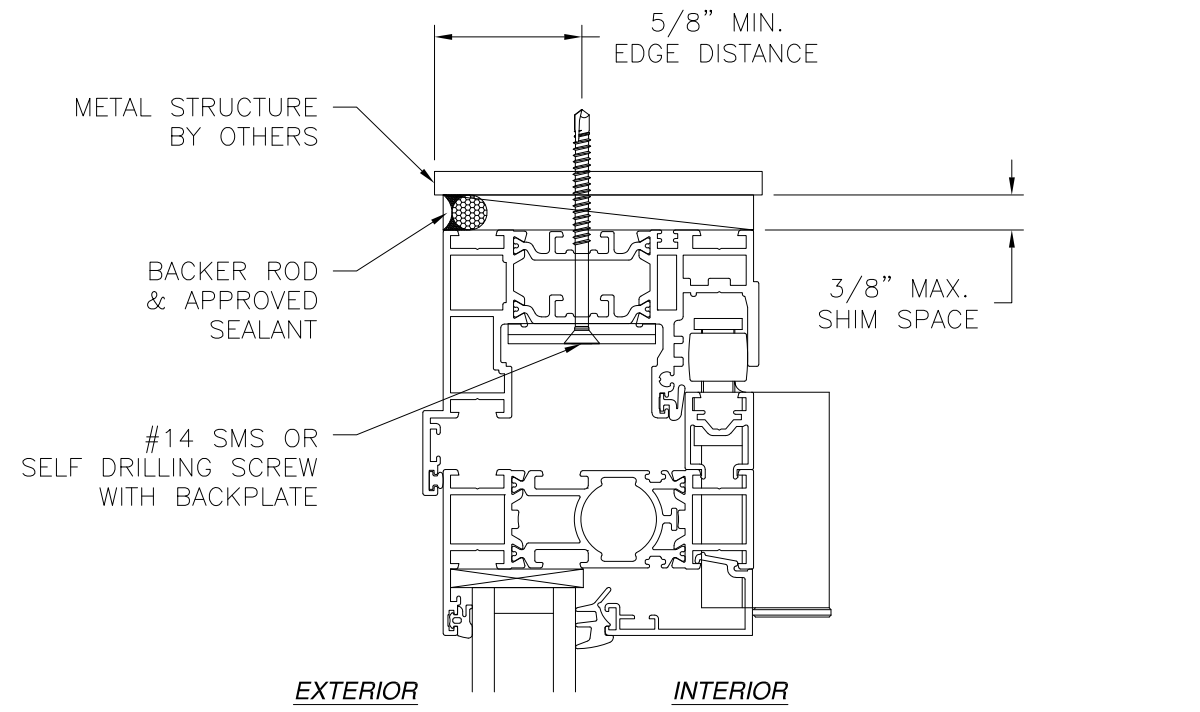
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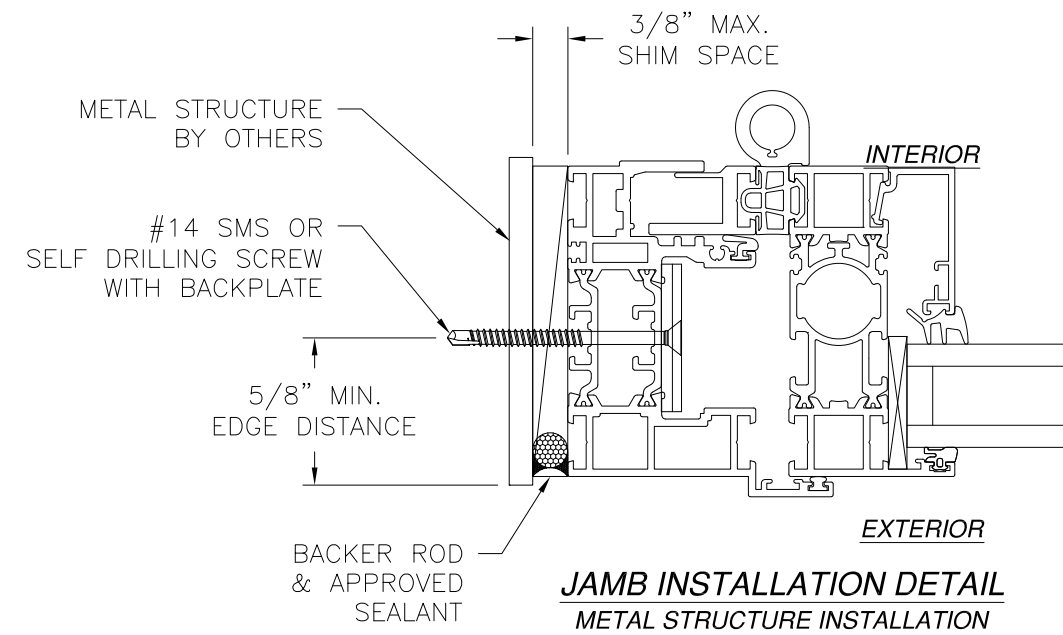


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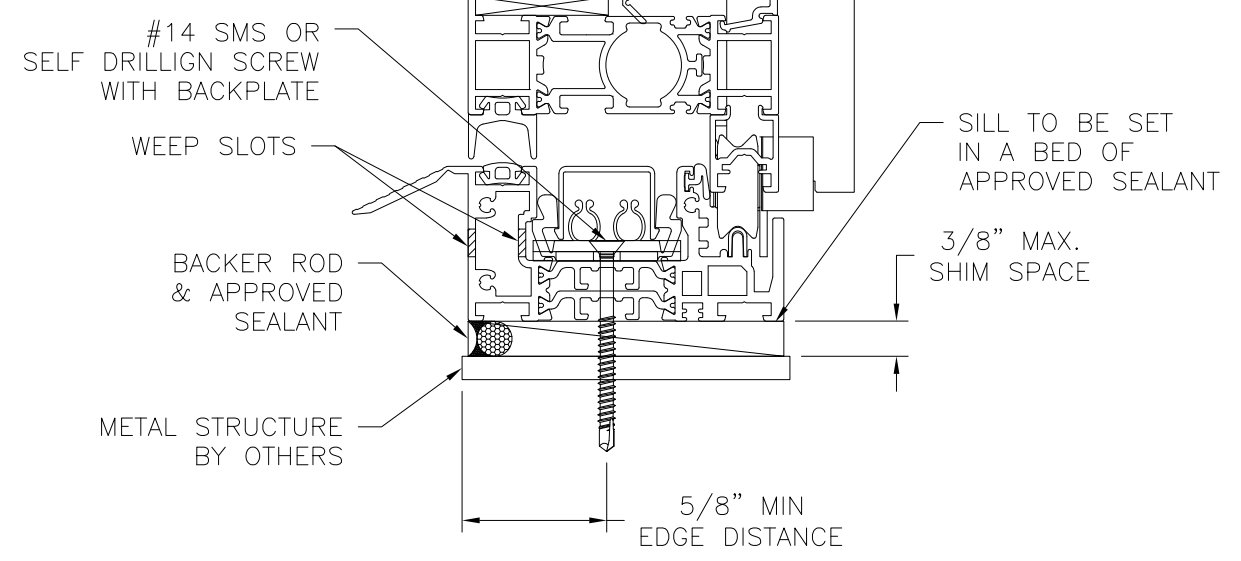
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**VERTICAL CROSS SECTION**  
**METAL STRUCTURE INSTALLATION**  
 HYBRID SILL SHOWN, OTHER SILLS SIMILAR



**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

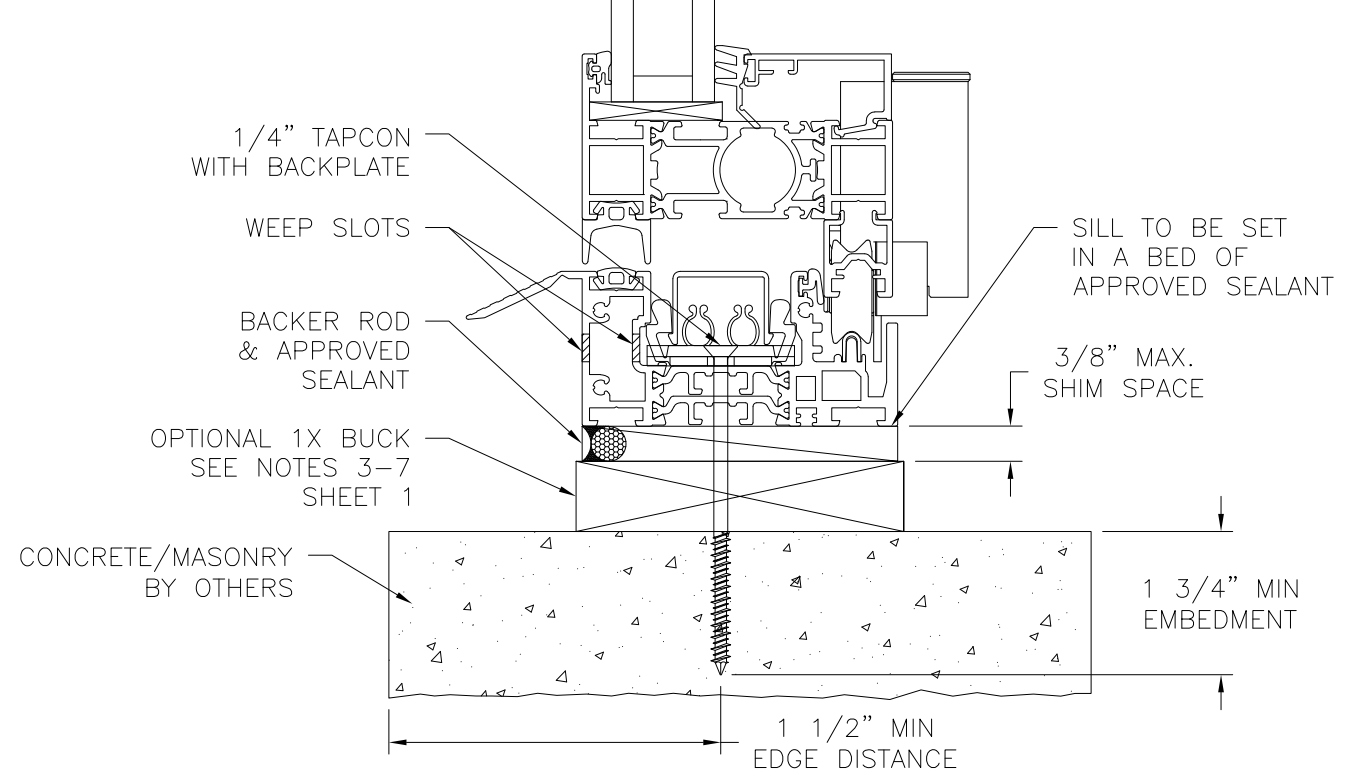
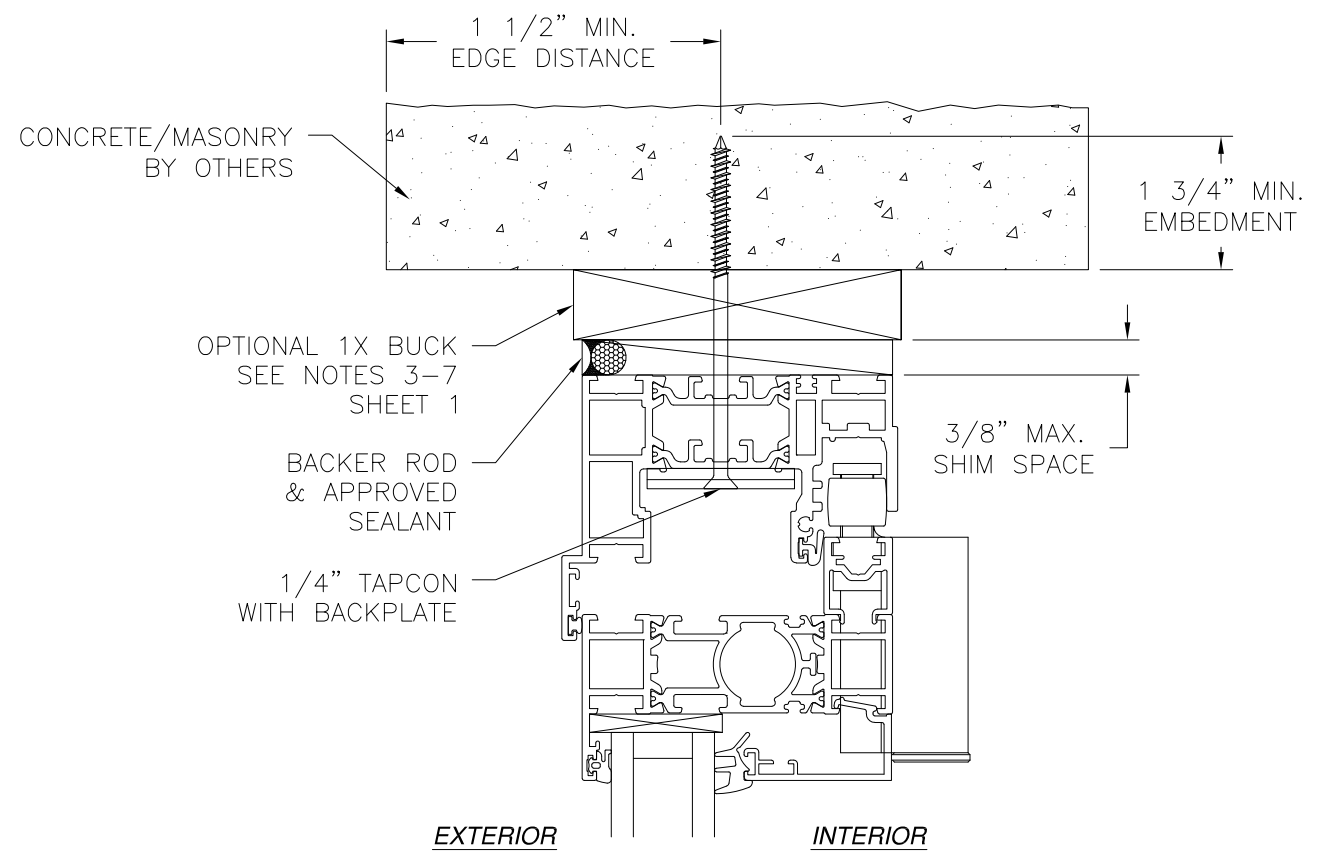
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NANA WALL SYSTEMS, INC. 100 MEADOWCREEK DRIVE, SUITE 250 CORTE MADERA, CA 94925		
SERIES NW ALUMINUM 840/SL84/HIGHLINE INSWING FOLDING DOOR NON IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03748	REV -
SCALE NTS	DATE 07/26/2021	SHEET 7 OF 9
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

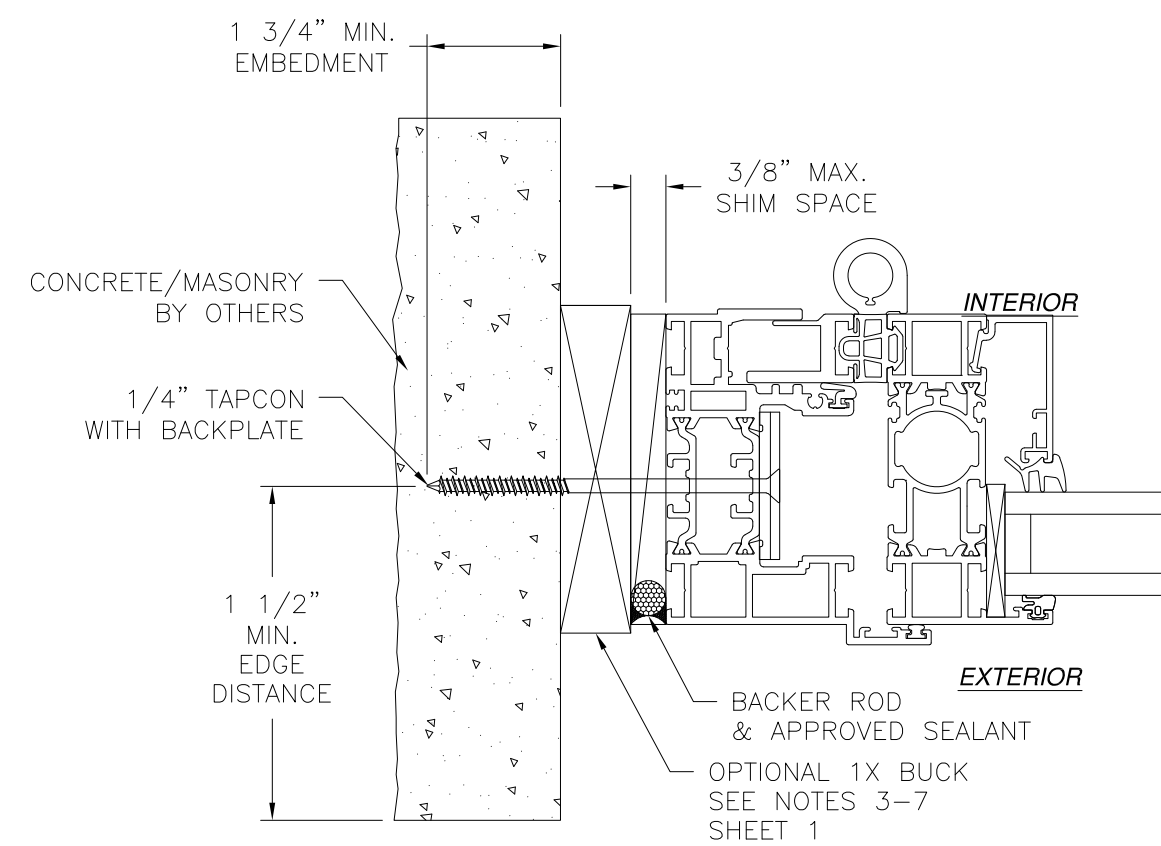


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**VERTICAL CROSS SECTION**  
**CONCRETE/MASONRY INSTALLATION**  
 HYBRID SILL SHOWN, OTHER SILLS SIMILAR



**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

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 100 MEADOWCREEK DRIVE, SUITE 250  
 CORTE MADERA, CA 94925

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 FOLDING DOOR NON IMPACT  
 INSTALLATION DETAILS

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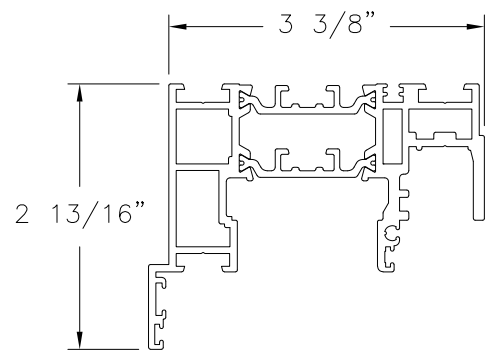
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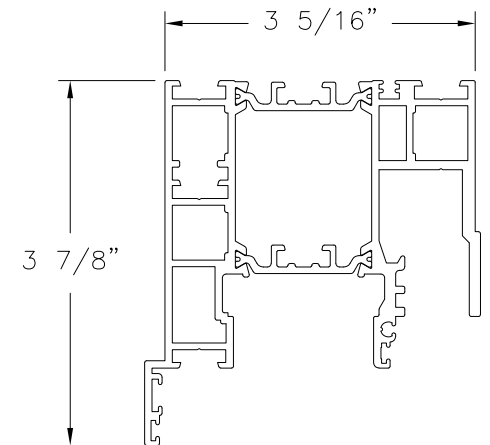
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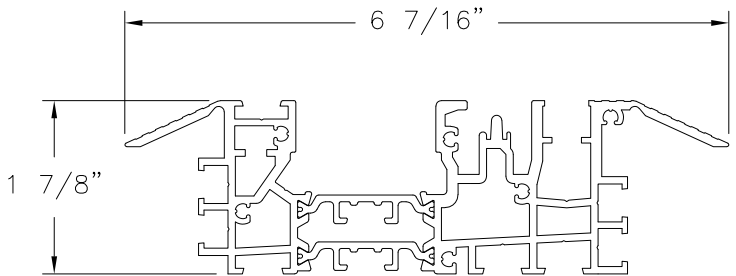
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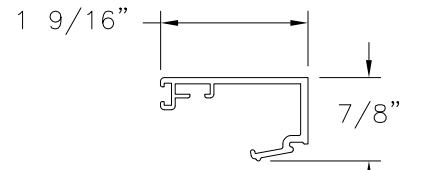
**HEAD & JAMB PROFILE (5-320-04)**  
ALUMINUM 6063-T5



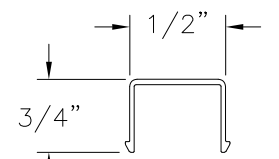
**EXTENDED HEAD PROFILE (5-320-05)**  
ALUMINUM 6063-T5



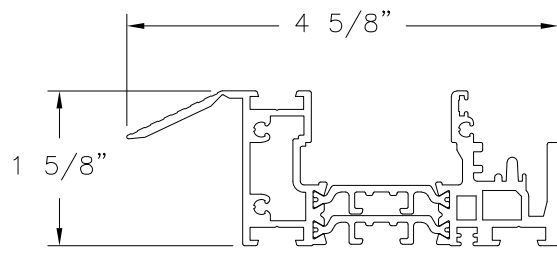
**LOW PROFILE SADDLE SILL**  
ALUMINUM 6063-T5



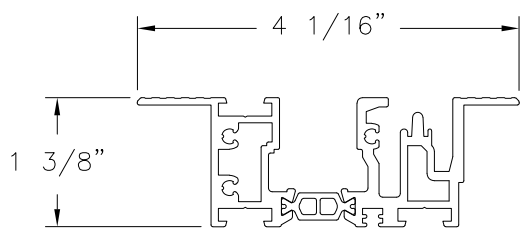
**GLAZING BEAD (5-300-14)**  
ALUMINUM 6063-T5  
BEAD SHOWN AS REFERENCE ONLY.  
BEAD SIZES VARIES DEPENDING ON  
GLASS THICKNESS. GLASS THICKNESS  
VARIES FROM 3/16" TO 1 3/4"



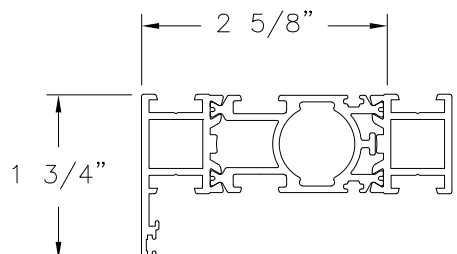
**SILL INSERT PROFILE (5-320-26)**  
ALUMINUM 6063-T5



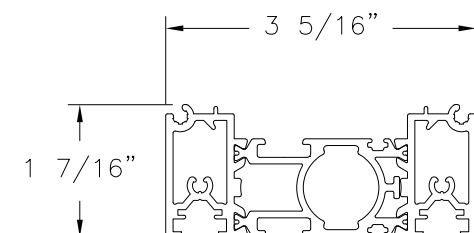
**HYBRID SILL PROFILE (5-320-08)**  
ALUMINUM 6063-T5



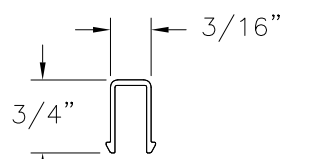
**FLUSH SILL PROFILE (5-310-07)**  
ALUMINUM 6063-T5



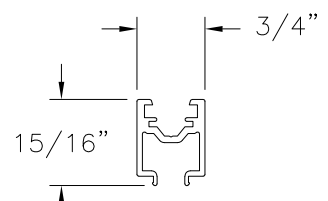
**INSWING PANEL PROFILE (5-320-01)**  
ALUMINUM 6063-T5



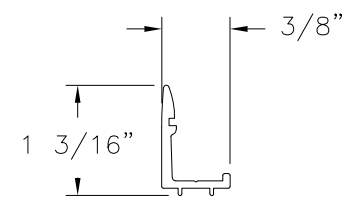
**NARROW POST PROFILE (5-320-30)**  
ALUMINUM 6063-T5



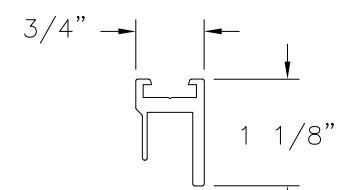
**SILL INSERT PROFILE FOR FLUSH SILL**  
ALUMINUM 6063-T5



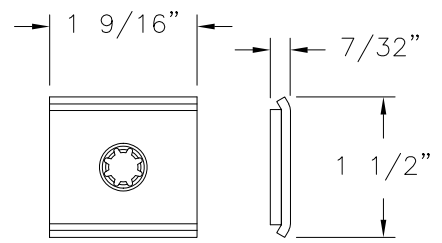
**EXTENSION PROFILE (5-300-04)**  
ALUMINUM 6063-T5



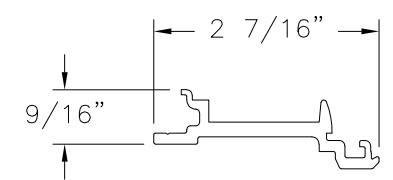
**STOP BAR PROFILE (5-300-08)**  
ALUMINUM 6063-T5



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



**BACK PLATE**  
STEEL



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

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