

| REVISIONS |                          |          |          |
|-----------|--------------------------|----------|----------|
| REV       | DESCRIPTION              | DATE     | APPROVED |
| A         | REVISED NAME AND RATINGS | 08/29/25 | R.L.     |

- 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 NEEDED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16” OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4”.
  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: WOOD
  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 #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16” 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 #10 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: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
  - 17.D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .125” THICK MINIMUM
18. APPROVED CONFIGURATIONS: 3L AND 3R
19. WHEN INSTALLED IN AREAS WHERE WATER PENETRATION RESISTANCE IS REQUIRED, AN OVERHANG WITH A 1:1 RATIO IS REQUIRED.
20. TESTED WITH MASONITE VISTAGRANDE FLUSH GLAZED PANELS

SIGNED: 07/14/2026

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| 7                 | COMPONENTS               |

ENDURA PRODUCTS

8817 WEST MARKET STREET

COLFAX, NC 27235

MiraVista Folding Door System with Masonite Panels

8’0” NON-IMPACT

NOTES

DRAWN:  
R.L.

DWG NO.  
08-04115A

REV  
A

SCALE NTS

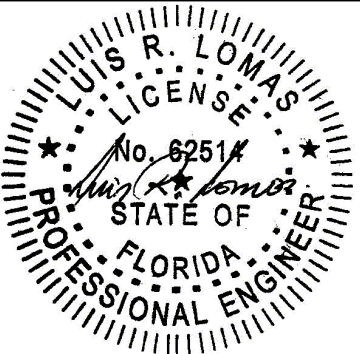
DATE 12/11/2024

SHEET 1 OF 7

L. ROBERTO LOMAS P.E.

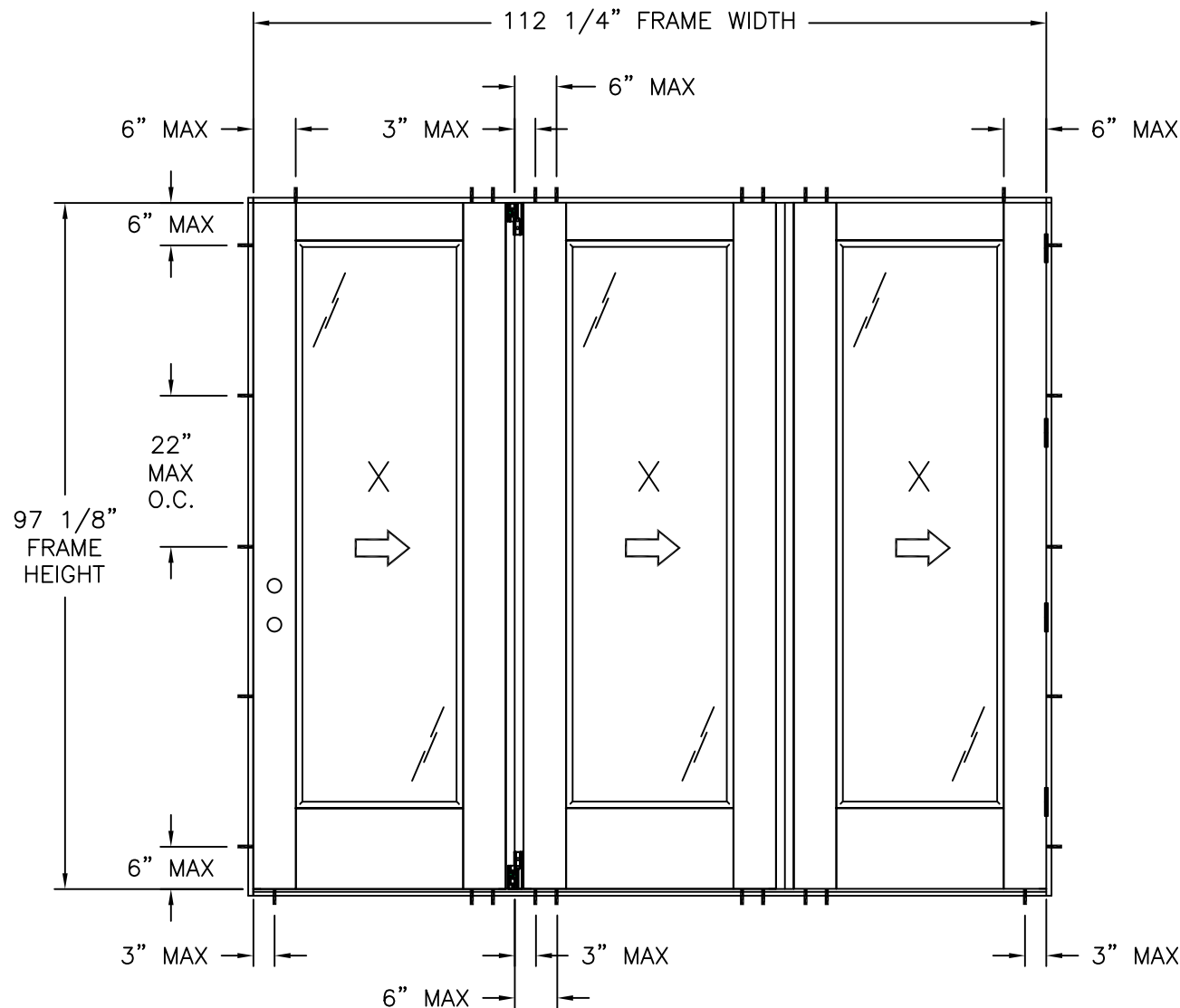
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MIRAVISTA FOLDING DOOR SYSTEM W/MASONITE PANELS  
EXTERIOR VIEW

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|---------------|
| ±45.0PSF               | NONE          |

SEE CHART #1 FOR OTHER PANEL SIZES

- NOTES:
- PANEL SIZE: 35 3/4" X 95 1/4"
  - D.L.O. SIZE: 25" X 79"

HARDWARE SCHEDULE

|    |                                                                                                              |
|----|--------------------------------------------------------------------------------------------------------------|
| A. | (4) 4" X 4" STEEL BUTT HINGE AT 6 7/16", 32 9/16", 58 11/16" AND 84 13/16" FROM THE TOP OF PANEL HINGE STILE |
| B. | (1) KWIKSET 740 SERIES KNOB WITH 980 SERIES DEADBOLT AT 59 11/16" AND 54 3/16" FROM PANEL TOP                |
| C. | (2) TRUCK ASSEMBLY AT TOP AND BOTTOM OF ACTIVE DOOR AT HINGE SIDE                                            |
| D. | (2) TRUCK KNUCKLE ASSEMBLY AT TOP AND BOTTOM OF ACTIVE DOOR AT HINGE SIDE                                    |
| E. | (2) FLOATER KNUCKLE ASSEMBLY AT TOP AND BOTTOM OF HINGE DOOR                                                 |
| F. | (4) ADJUSTER KNUCKLE ASSEMBLY AT TOP AND BOTTOM OF BOTH SIDES OF CENTER DOOR                                 |
| G. | (4) STRIKE PLATES AT HEAD AND SILL PIN LOCATIONS                                                             |

Chart #1

| Design pressure rating (psf) |                         |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |
|------------------------------|-------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| Panel Height (in)            | Single Panel Width (in) |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |
|                              | 24.00                   |      | 27.00 |      | 30.00 |      | 33.00 |      | 35.75 |      | 36.00 |      | 39.00 |      | 42.00 |      |
|                              | Pos                     | Neg  | Pos   | Neg  | Pos   | Neg  | Pos   | Neg  | Pos   | Neg  | Pos   | Neg  | Pos   | Neg  | Pos   | Neg  |
| 80.00                        | 67.5                    | 67.5 | 67.5  | 67.5 | 63.8  | 63.8 | 59.4  | 59.4 | 56.0  | 56.0 | 55.8  | 55.8 | 52.8  | 52.8 | 50.2  | 50.2 |
| 84.00                        | 67.5                    | 67.5 | 65.4  | 65.4 | 60.1  | 60.1 | 55.9  | 55.9 | 52.7  | 52.7 | 52.4  | 52.4 | 49.5  | 49.5 | -     | -    |
| 87.00                        | 67.5                    | 67.5 | 62.7  | 62.7 | 57.6  | 57.6 | 53.5  | 53.5 | 50.4  | 50.4 | 50.1  | 50.1 | 47.3  | 47.3 | -     | -    |
| 90.00                        | 66.5                    | 66.5 | 60.3  | 60.3 | 55.3  | 55.3 | 51.3  | 51.3 | 48.3  | 48.3 | 48.0  | 48.0 | -     | -    | -     | -    |
| 95.25                        | 62.3                    | 62.3 | 56.4  | 56.4 | 51.7  | 51.7 | 47.9  | 47.9 | 45.0  | 45.0 | -     | -    | -     | -    | -     | -    |
| 96.00                        | 61.7                    | 61.7 | 55.9  | 55.9 | 51.2  | 51.2 | 47.2  | 47.2 | -     | -    | -     | -    | -     | -    | -     | -    |
| 99.00                        | 57.7                    | 57.7 | 51.6  | 51.6 | 46.8  | 46.8 | 42.9  | 42.9 | -     | -    | -     | -    | -     | -    | -     | -    |
| 102.00                       | 52.7                    | 52.7 | 47.1  | 47.1 | 42.7  | 42.7 | 39.1  | 39.1 | -     | -    | -     | -    | -     | -    | -     | -    |
| 105.00                       | 48.3                    | 48.3 | 43.1  | 43.1 | 39.1  | 39.1 | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |
| 108.00                       | 44.3                    | 44.3 | 39.6  | 39.6 | 35.8  | 35.8 | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    |

REFER TO NOTE 19, SHEET 1

SIGNED: 07/14/2026

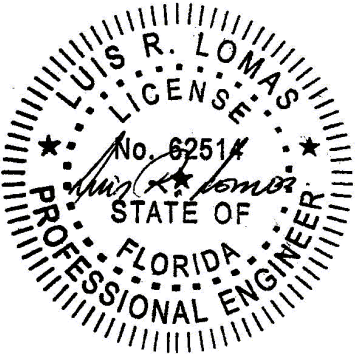
ENDURA PRODUCTS  
8817 WEST MARKET STREET  
COLFAX, NC 27235

MiraVista Folding Door System with Masonite Panels  
8'0" NON-IMPACT  
ELEVATION

DRAWN: R.L.      DWG NO. 08-04115A      REV A

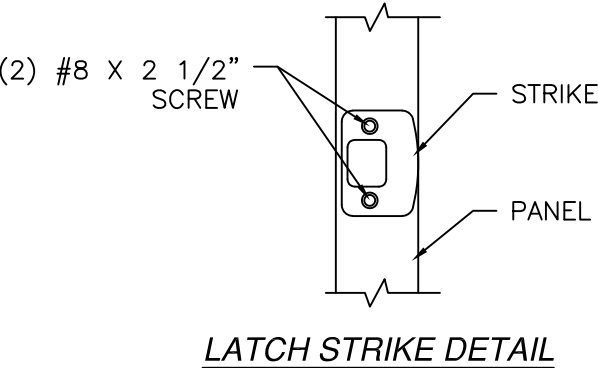
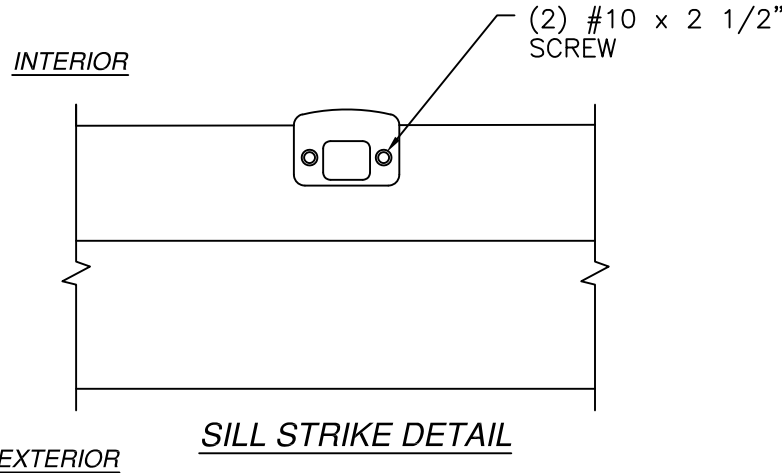
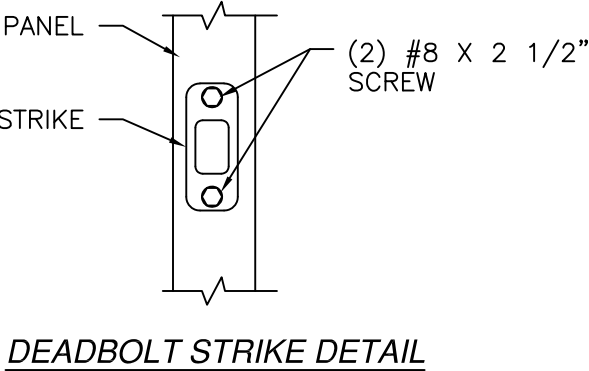
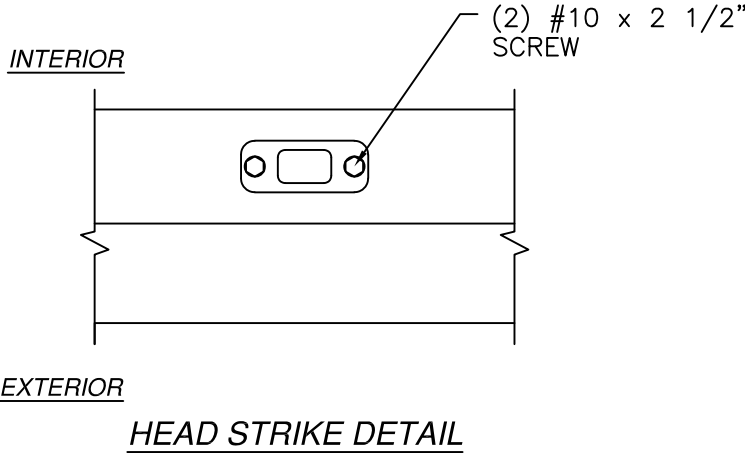
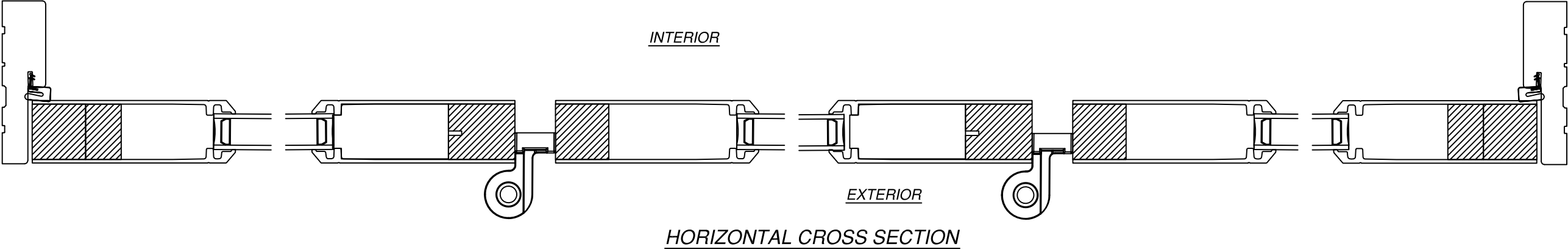
SCALE NTS      DATE 12/11/2024      SHEET 2 OF 7

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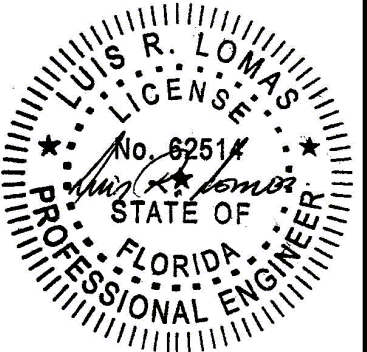
**ENDURA PRODUCTS**  
8817 WEST MARKET STREET  
COLFAX, NC 27235

MiraVista Folding Door System with Masonite Panels  
8'0" NON-IMPACT  
CROSS SECTIONS

|                |                      |              |
|----------------|----------------------|--------------|
| DRAWN:<br>R.L. | DWG NO.<br>08-04115A | REV<br>A     |
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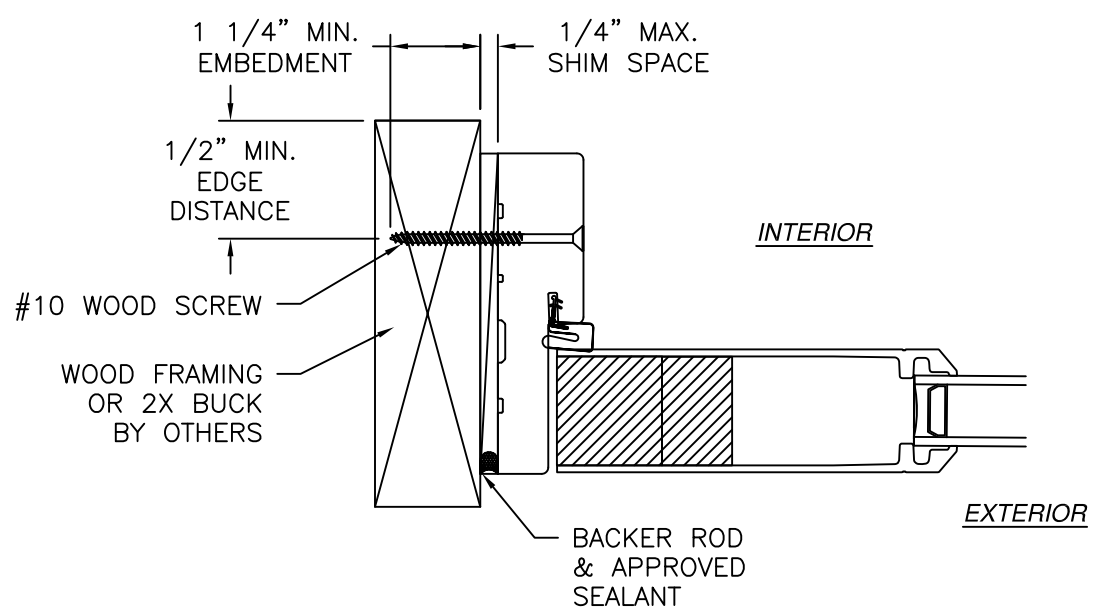
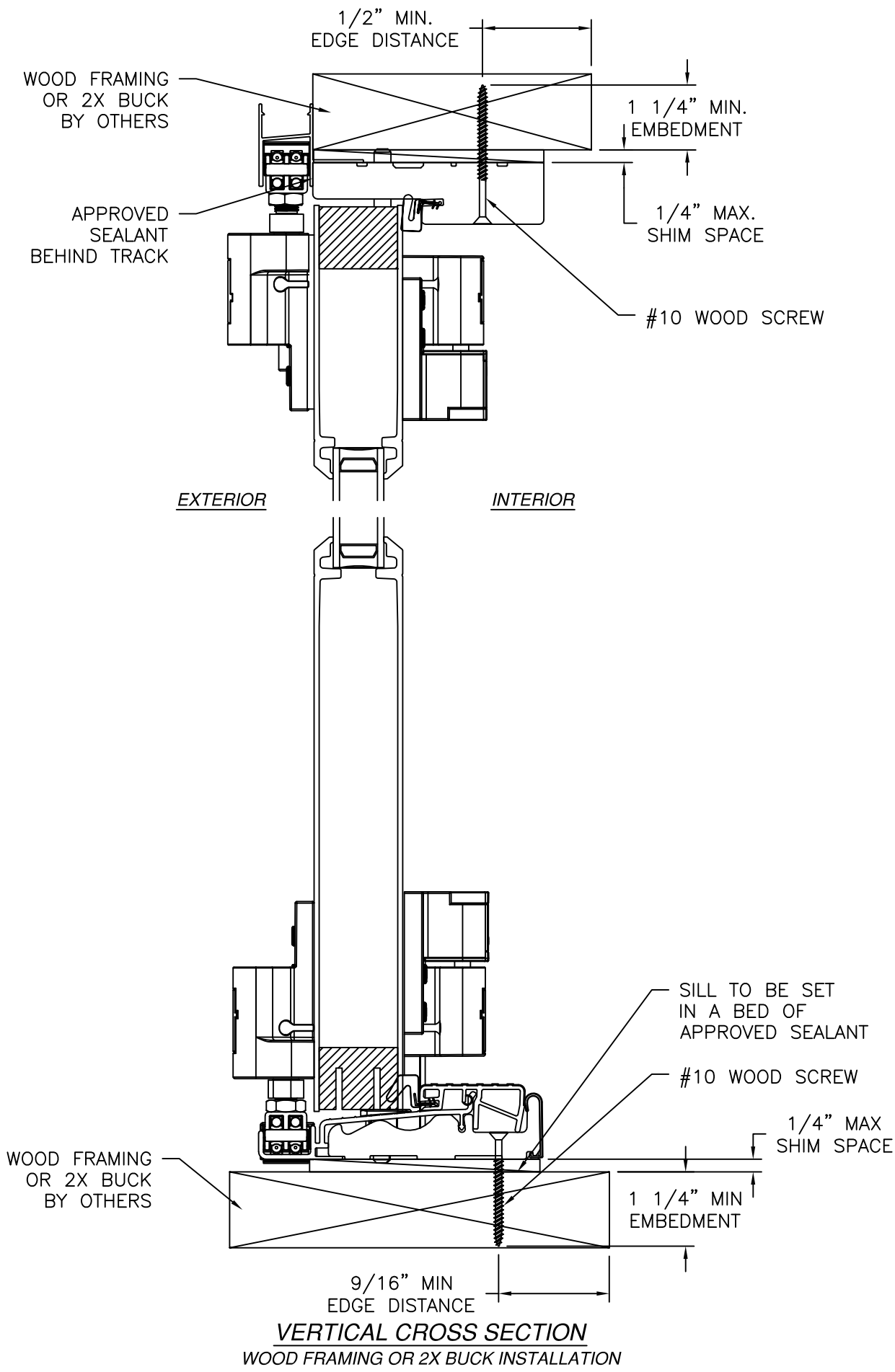
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**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

SIGNED: 07/14/2026

ENDURA PRODUCTS

8817 WEST MARKET STREET

COLFAX, NC 27235

MiraVista Folding Door System with Masonite Panels

8'0" NON-IMPACT

INSTALLATION DETAILS

DRAWN: R.L.

DWG NO. 08-04115A

REV A

SCALE NTS

DATE 12/11/2024

SHEET 4 OF 7

L. ROBERTO LOMAS P.E.

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LUIS R. LOMAS

LICENSE

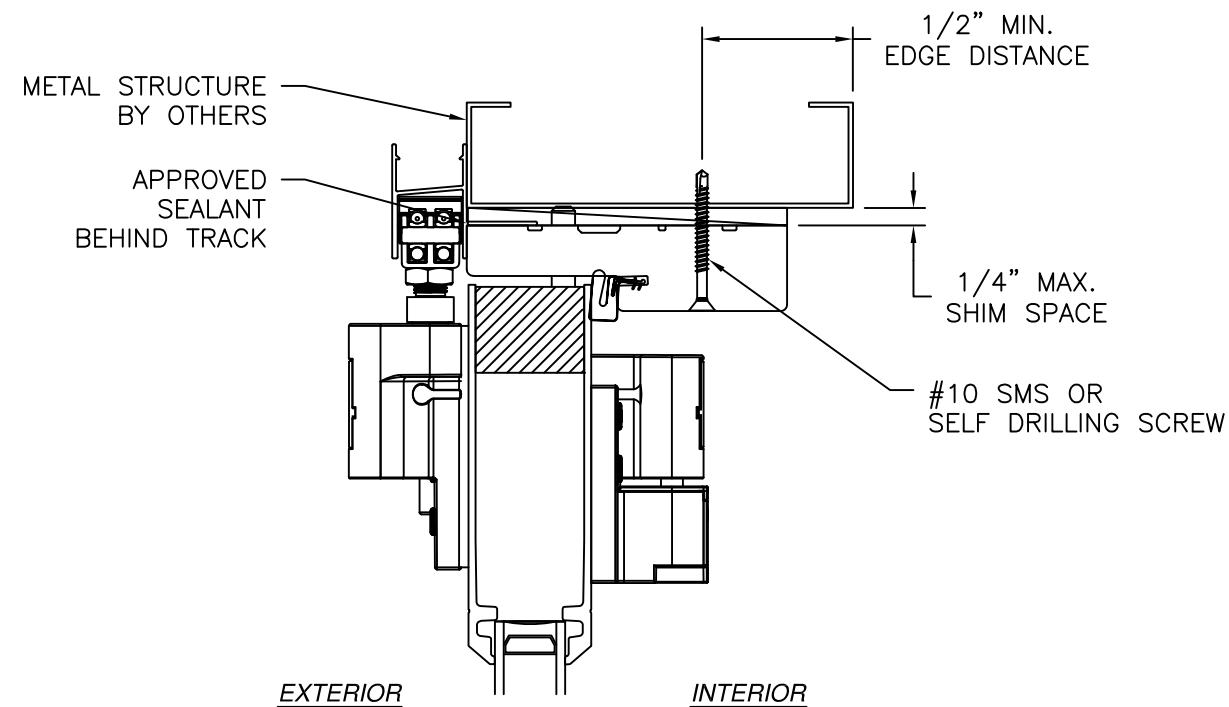
No. 62514

STATE OF FLORIDA

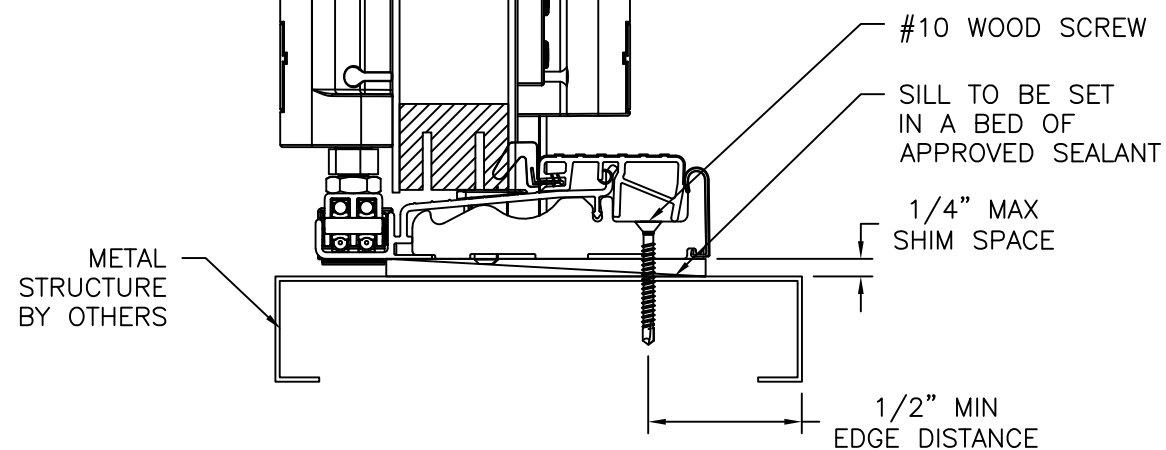
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

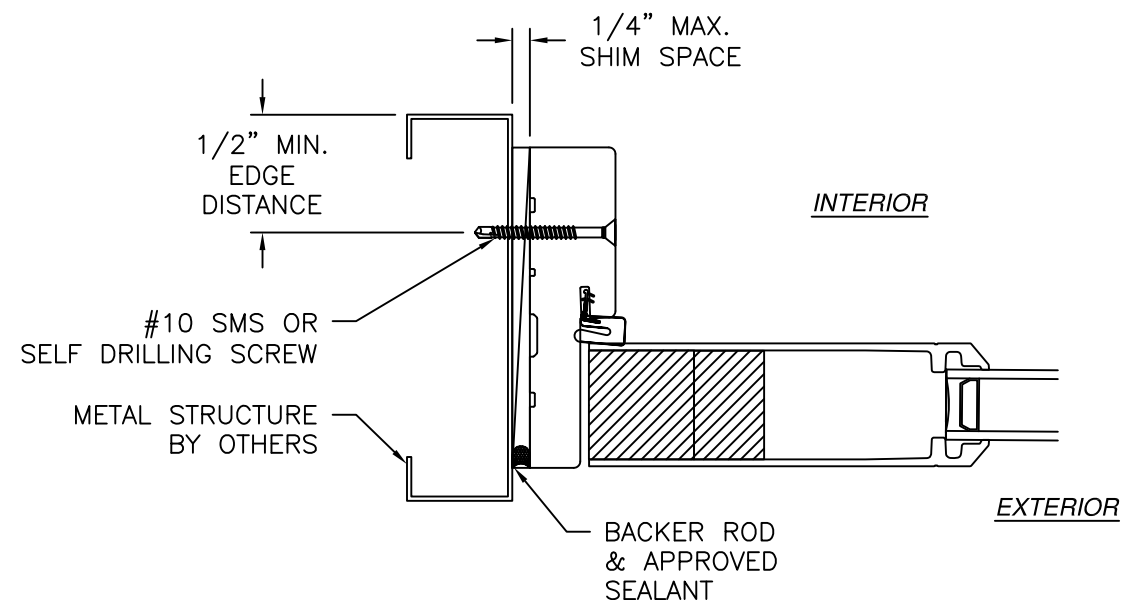
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION  
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL  
METAL STRUCTURE INSTALLATION

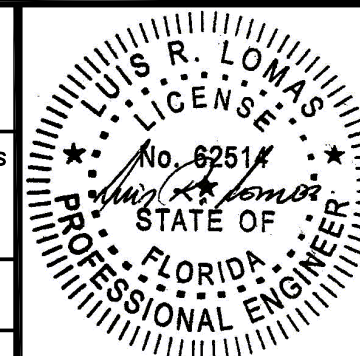
NOTES:

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2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

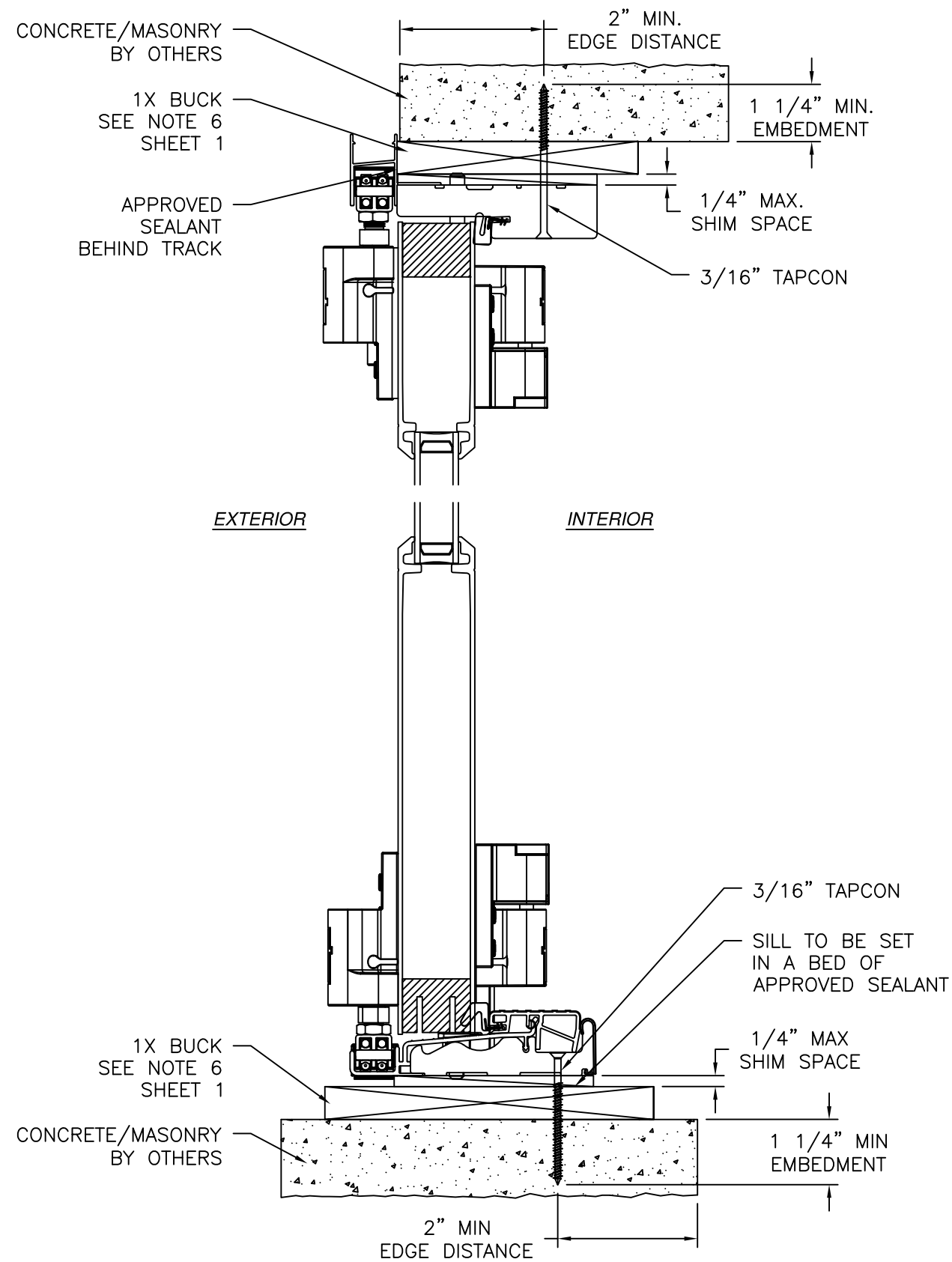
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|                                                                                                   |                      |                 |
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| <b>ENDURA PRODUCTS</b><br>8817 WEST MARKET STREET<br>COLFAX, NC 27235                             |                      |                 |
| MiraVista Folding Door System with Masonite Panels<br>8'0" NON-IMPACT<br>INSTALLATION DETAILS     |                      |                 |
| DRAWN:<br>R.L.                                                                                    | DWG NO.<br>08-04115A | REV<br>A        |
| SCALE<br>NTS                                                                                      | DATE<br>12/11/2024   | SHEET<br>5 OF 7 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                      |                 |

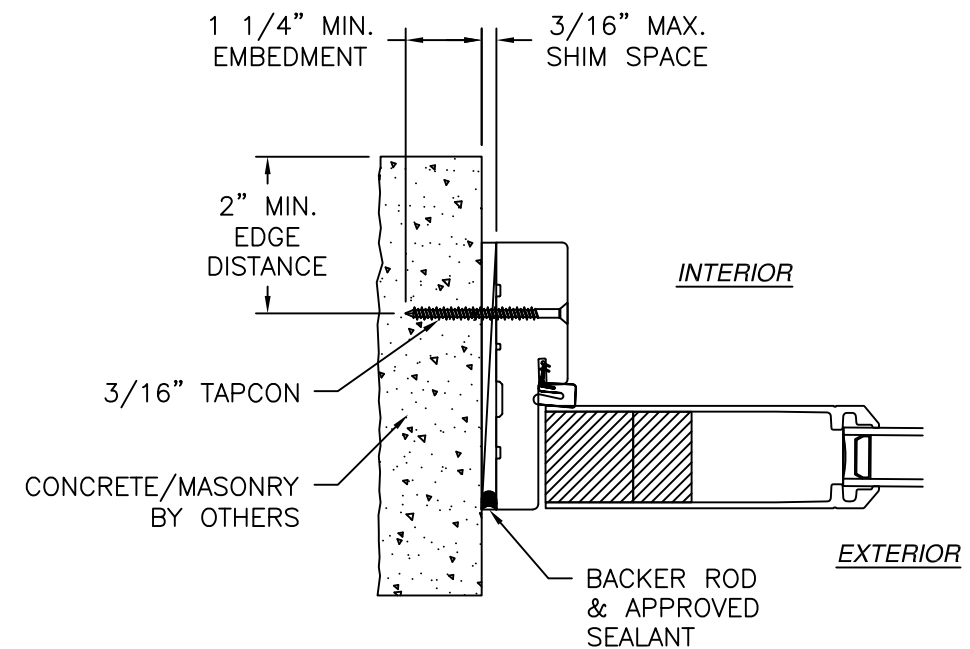


Luis R. Lomas P.E.  
FL No.: 62514



**VERTICAL CROSS SECTION**  
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION  
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO JAMB INSTALLATION DETAIL

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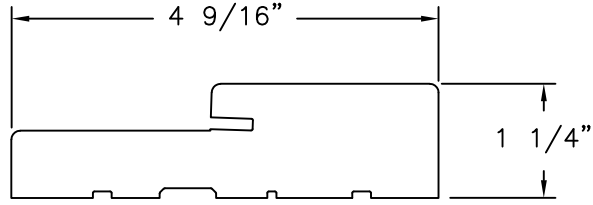
**JAMB INSTALLATION DETAIL**  
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION  
 FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO

- NOTES:**
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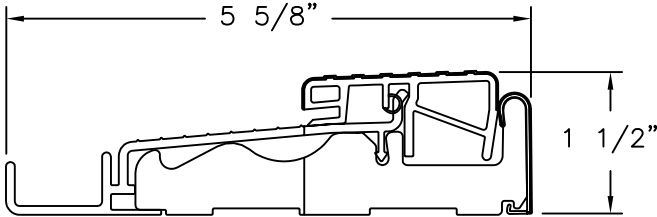
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|                                                                                                   |                      |                 |  |
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| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                      |                 |  |

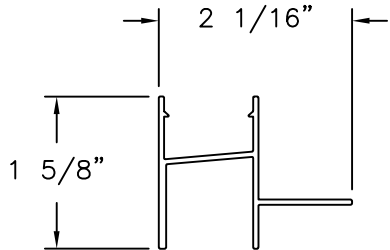
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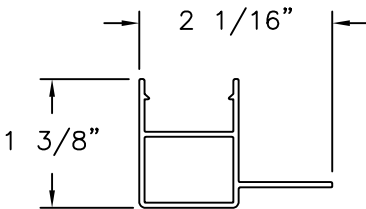
**HEAD AND JAMB**  
LVL WITH COMPOSITE CAP



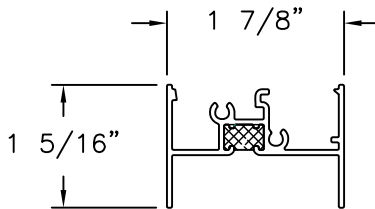
**SILL**  
RnB EXTRUDED SUBSTRATE



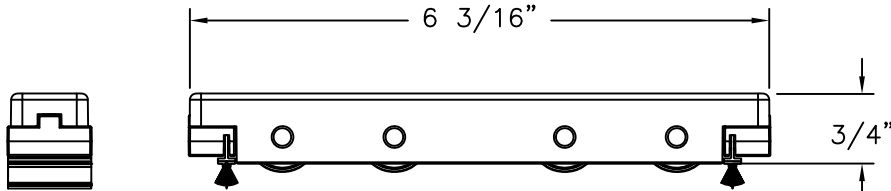
**TOP TRACK**  
ALUMINUM FLAT CASING



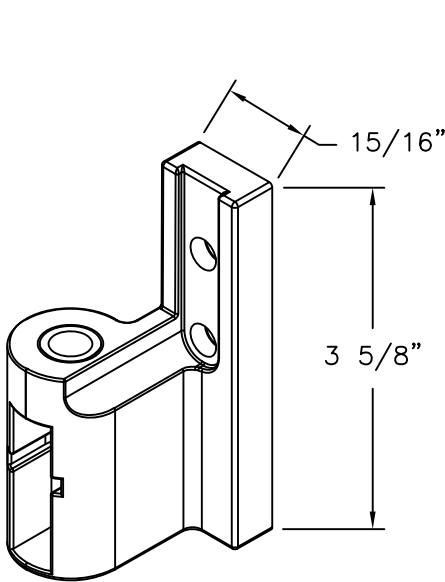
**BI-FOLD SIDE TRIM**  
ALUMINUM



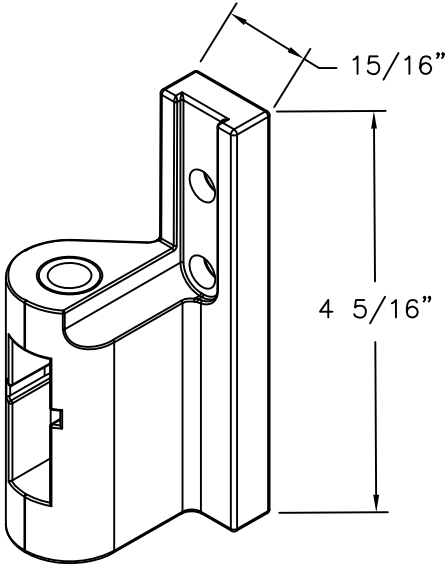
**BI-FOLD HINGE**  
ALUMINUM 6063-T6



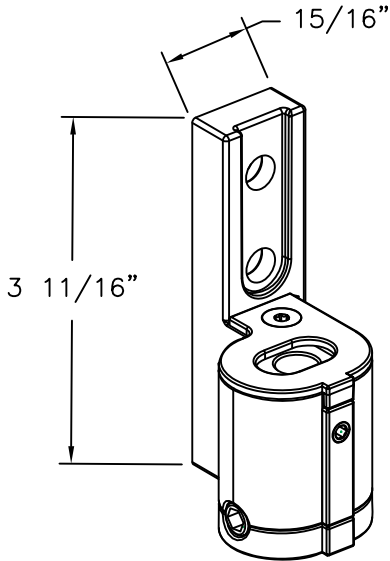
**TRUCK ASSEMBLY**



**FLOATER KNUCKLE**



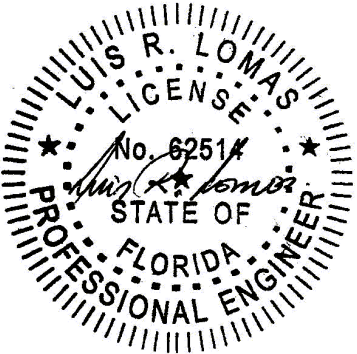
**TRUCK KNUCKLE**



**ADJUSTER KNUCKLE**

SIGNED: 07/14/2026

|                                                                                                   |                      |                 |
|---------------------------------------------------------------------------------------------------|----------------------|-----------------|
| <b>ENDURA PRODUCTS</b><br>8817 WEST MARKET STREET<br>COLFAX, NC 27235                             |                      |                 |
| MiraVista Folding Door System with Masonite Panels<br>8'0" NON-IMPACT COMPONENTS                  |                      |                 |
| DRAWN:<br>R.L.                                                                                    | DWG NO.<br>08-04115A | REV<br>A        |
| SCALE<br>NTS                                                                                      | DATE<br>12/11/2024   | SHEET<br>7 OF 7 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                      |                 |



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