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 INCLUDING TH HVHZ.
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 REFER TO SHEET 2 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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 HVHZ VISTAGRANDE FLUSH GLAZED PANELS

SIGNED: 07/14/2026

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3	HORIZONTAL CROSS SECTION
4 – 6	INSTALLATION DETAILS
7	COMPONENTS

ENDURA PRODUCTS
8817 WEST MARKET STREET
COLFAX, NC 27235

MiraVista Folding Door System with Masonite Panels
8'0" IMPACT HVHZ
NOTES

DRAWN:	DWG NO.	REV
R.L.	08–04117A	A
SCALE NTS	DATE 12/11/2024	SHEET 1 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.
FL No.: 62514

REVISIONS			
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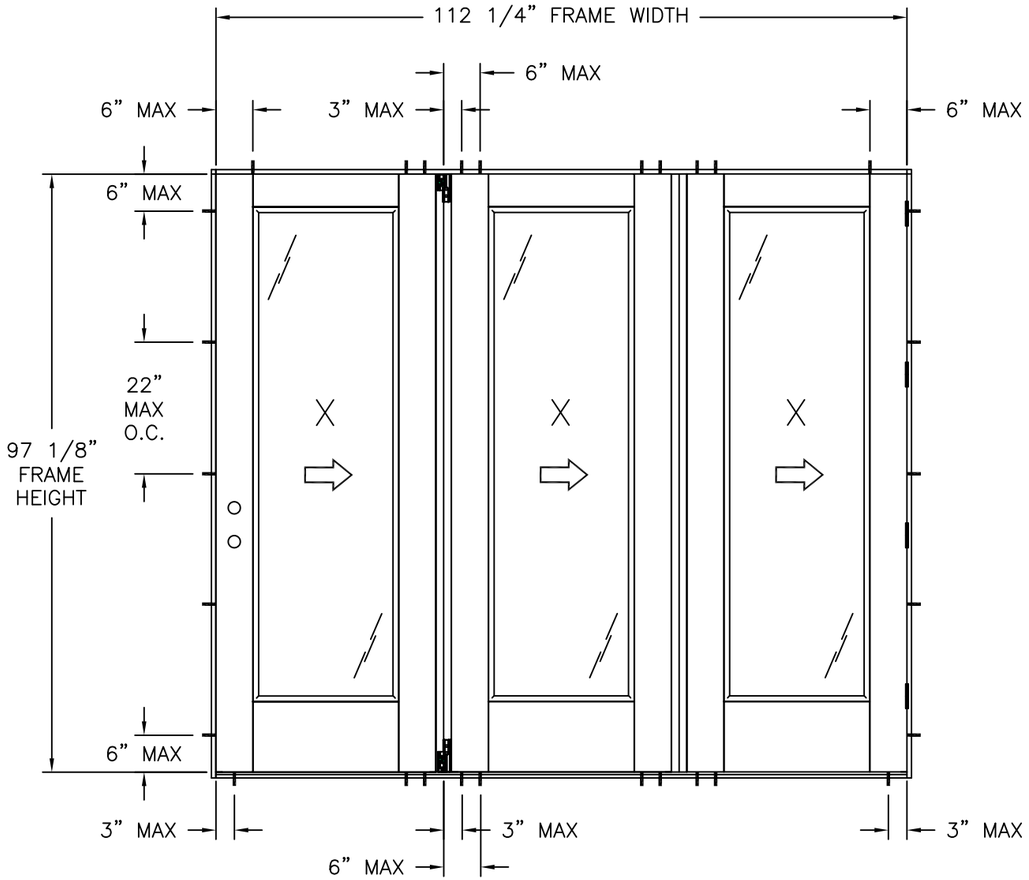
A	REVISED NAME AND RATINGS	08/29/25	R.L.



MIRAVISTA FOLDING DOOR SYSTEM W/MASONITE PANELS

EXTERIOR VIEW

DESIGN PRESSURE RATING	*IMPACT RATING*
±40.0PSF	*LARGE MISSILE IMPACT*

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
FOR ADDITIONAL SIZES SEE CHART#1

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	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
84.00	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	-	-
87.00	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	-	-
90.00	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	-	-	-	-
95.25	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	-	-	-	-	-	-
96.00	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	-	-	-	-	-	-	-	-
99.00	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	-	-	-	-	-	-	-	-
102.00	40.0	40.0	40.0	40.0	40.0	40.0	39.1	39.1	-	-	-	-	-	-	-	-
105.00	40.0	40.0	40.0	40.0	39.1	39.1	-	-	-	-	-	-	-	-	-	-
108.00	40.0	40.0	39.6	39.6	35.8	35.8	-	-	-	-	-	-	-	-	-	-

REFER TO NOTE 19, SHEET 1

NOTES:
1. *PANEL SIZE: 35 3/4" X 95 1/4"*
2. *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

SIGNED: 07/14/2026

ENDURA PRODUCTS
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MiraVista Folding Door System with Masonite Panels
8'0" IMPACT HVHZ
ELEVATION

DRAWN:	DWG NO.	REV
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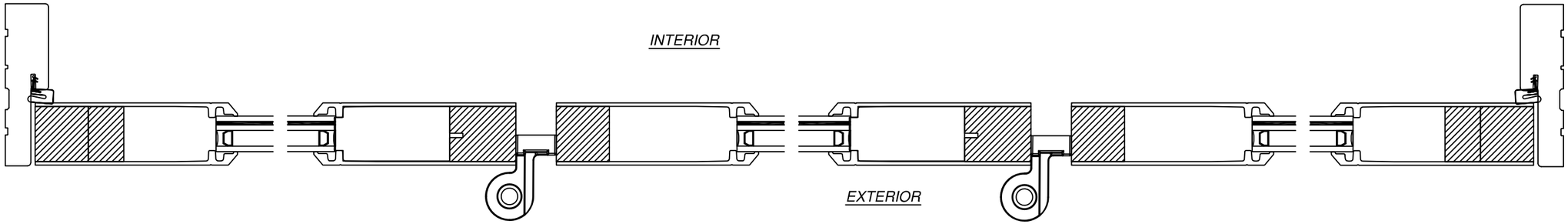
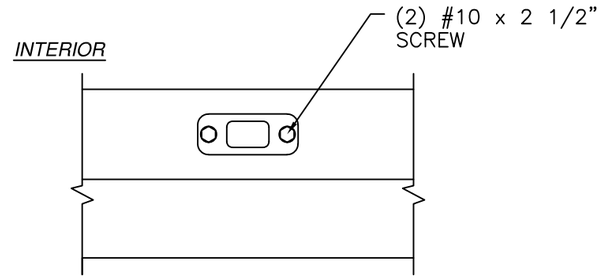
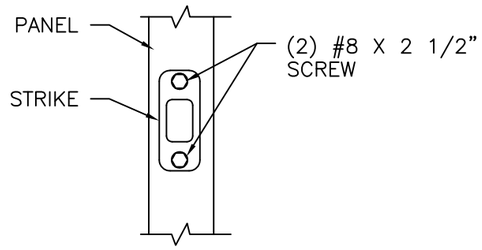


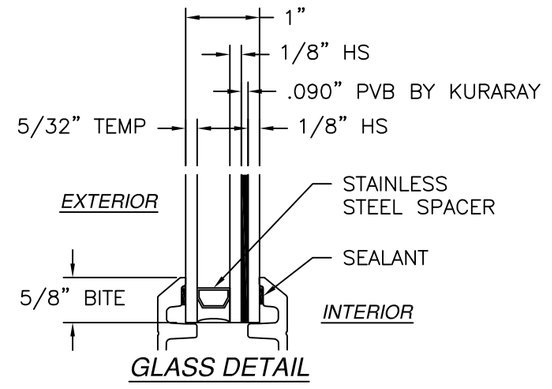
HORIZONTAL CROSS SECTION



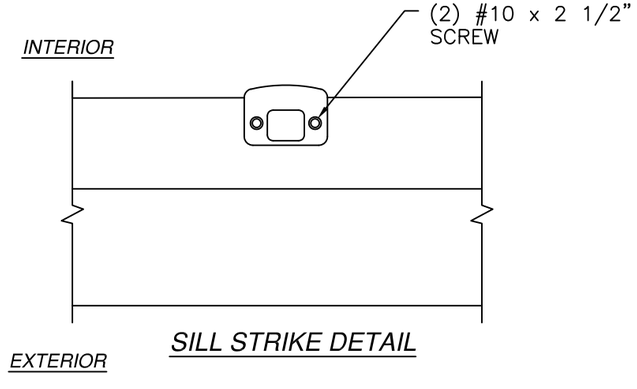
HEAD STRIKE DETAIL



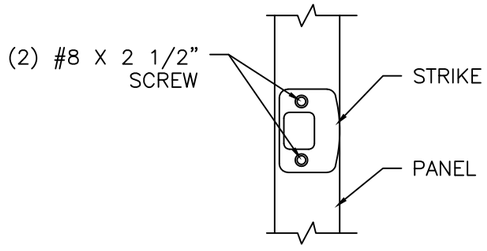
DEADBOLT STRIKE DETAIL



GLASS DETAIL



SILL STRIKE DETAIL



LATCH STRIKE DETAIL

SIGNED: 07/14/2026

ENDURA PRODUCTS
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CROSS SECTIONS

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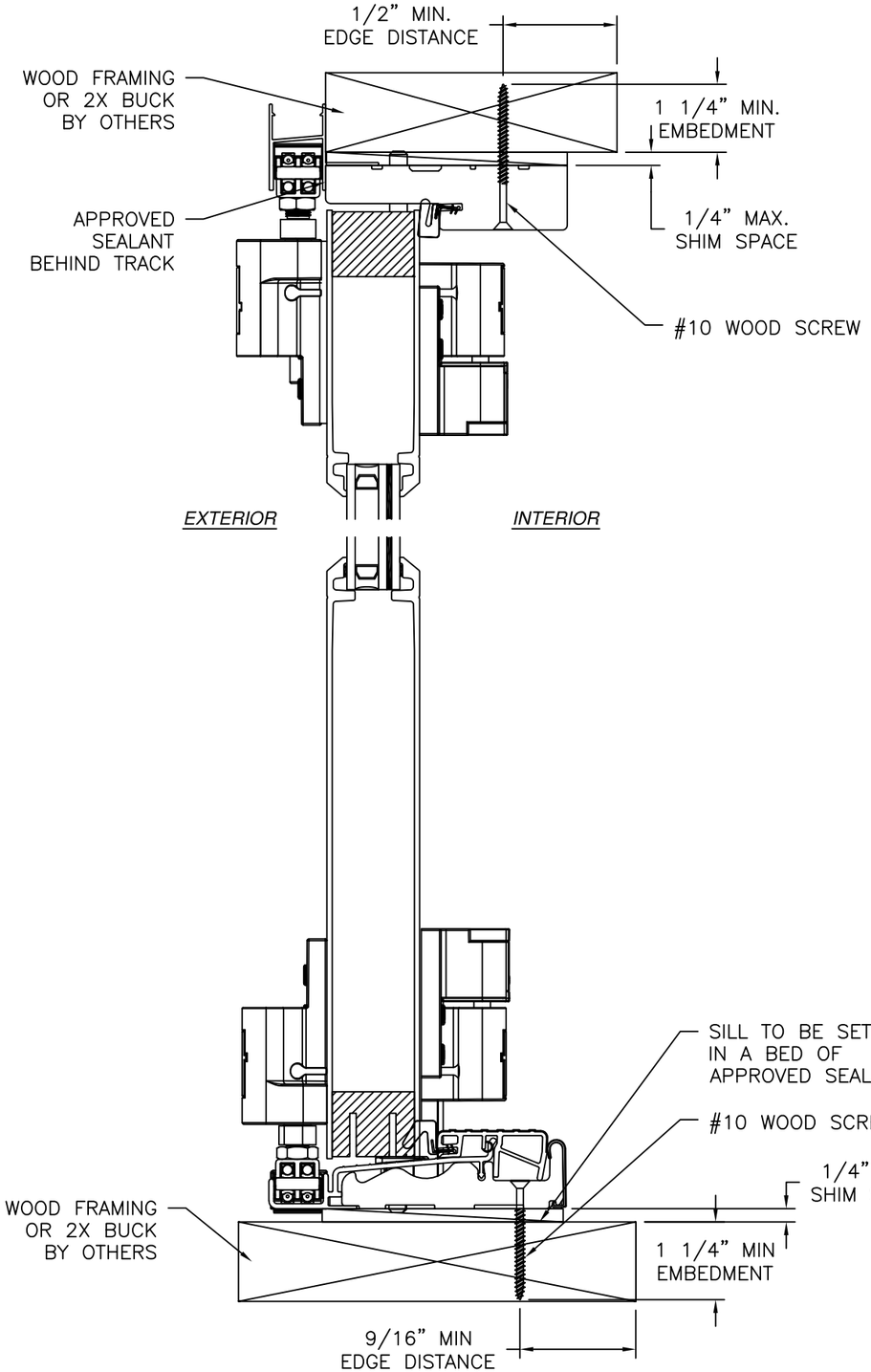
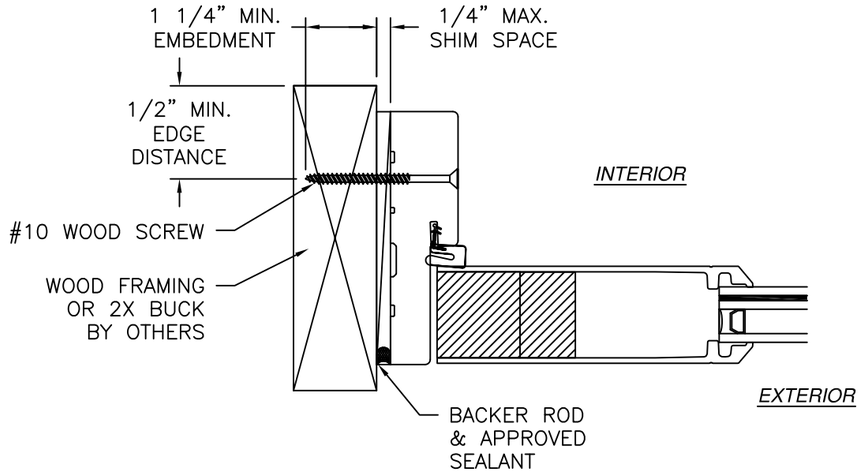


VERTICAL CROSS SECTION

WOOD FRAMING OR 2X BUCK INSTALLATION



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
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MiraVista Folding Door System with Masonite Panels
8'0" IMPACT HVHZ
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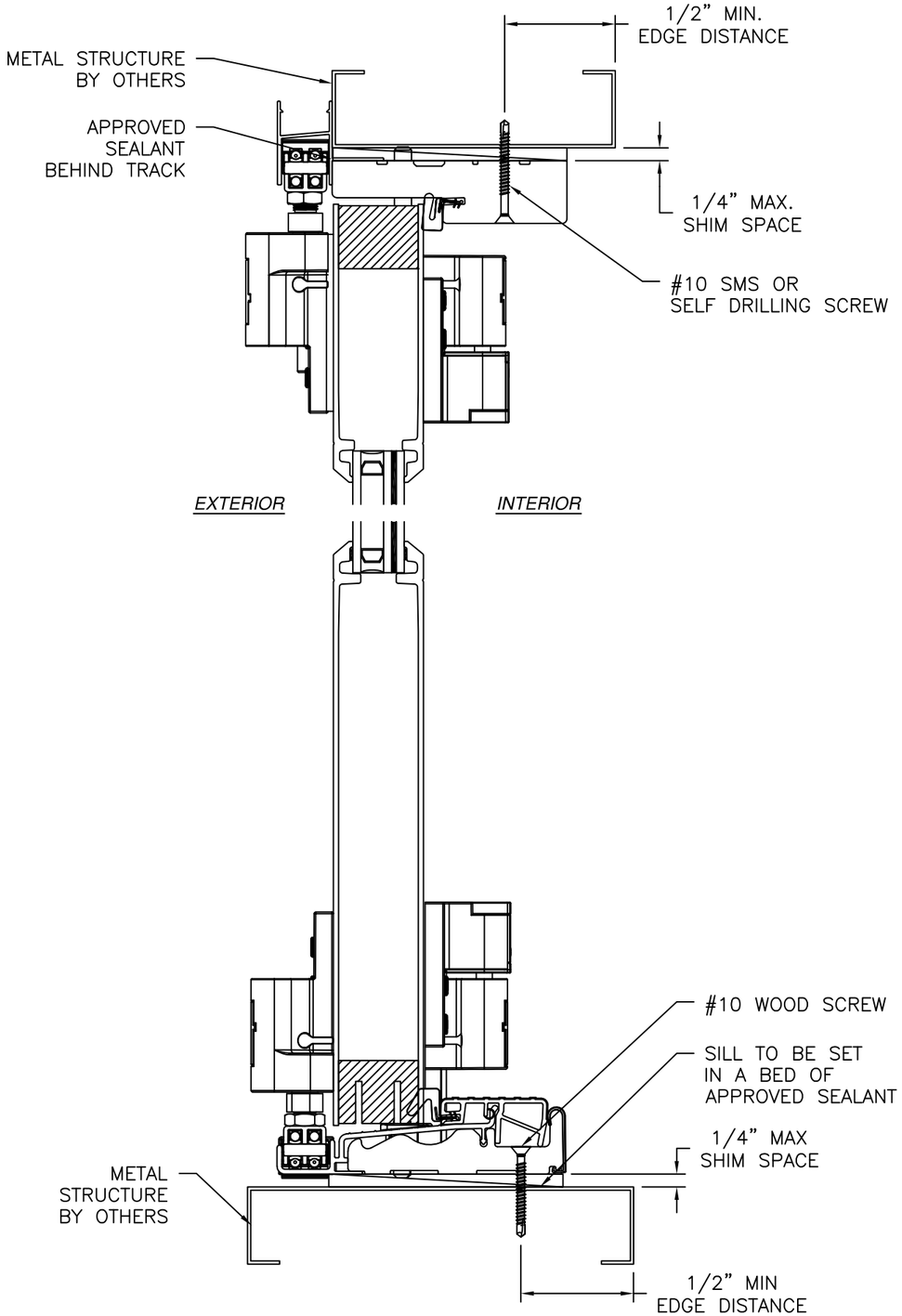
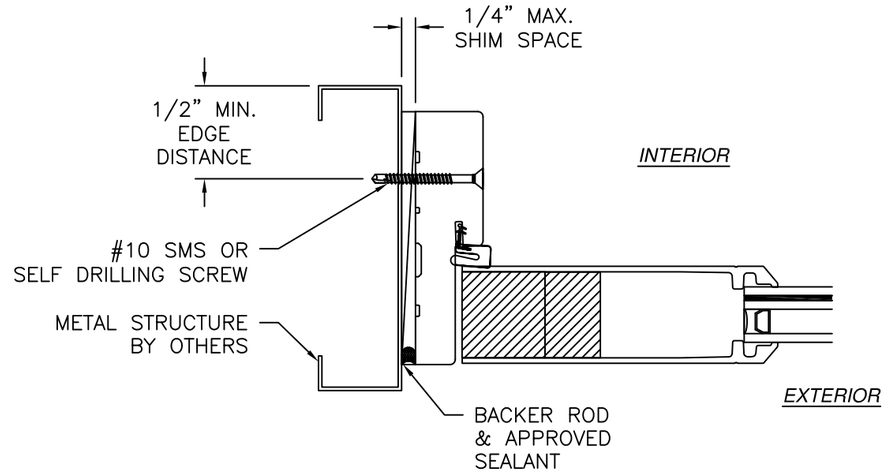


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



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*

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ENDURA PRODUCTS
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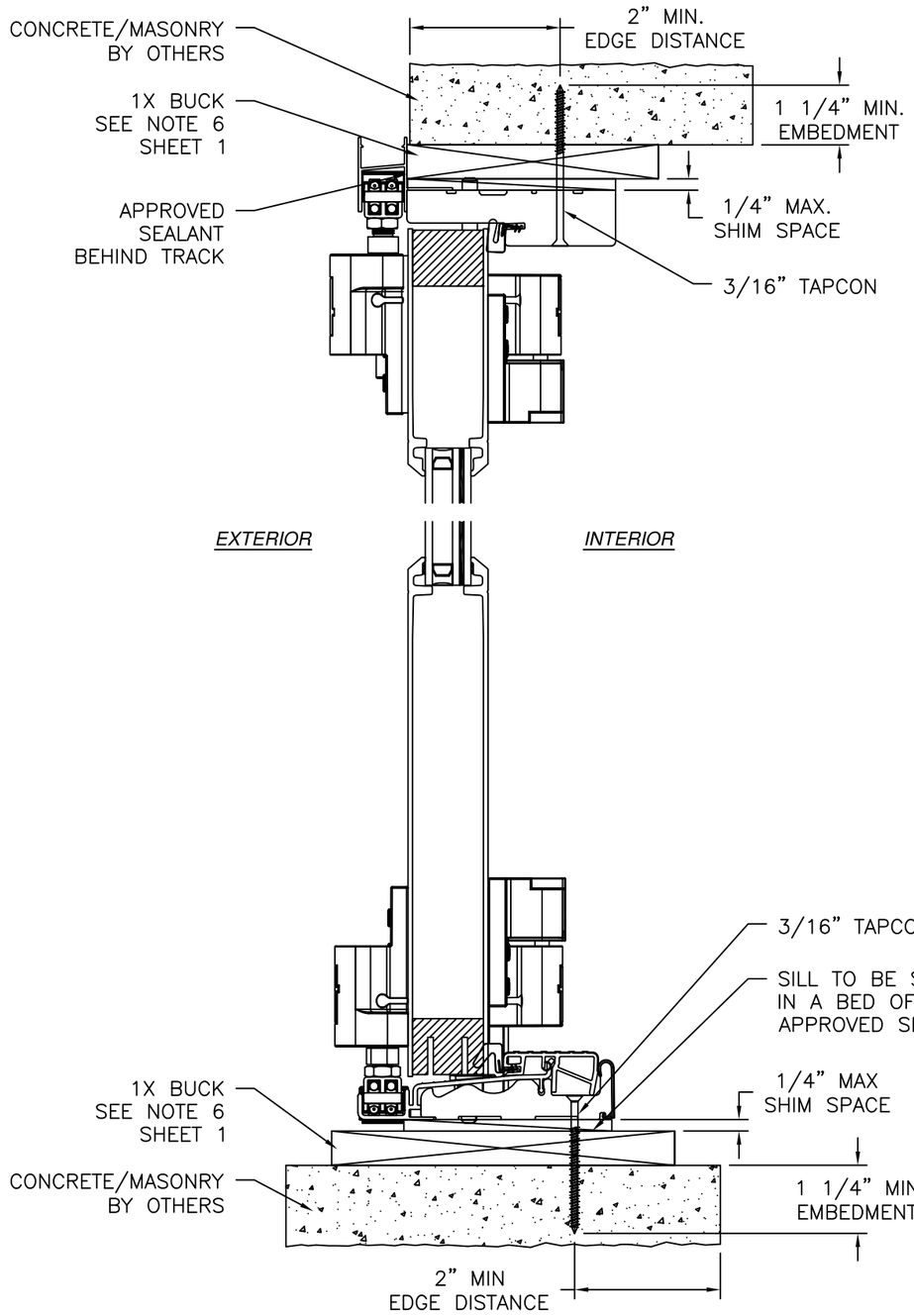
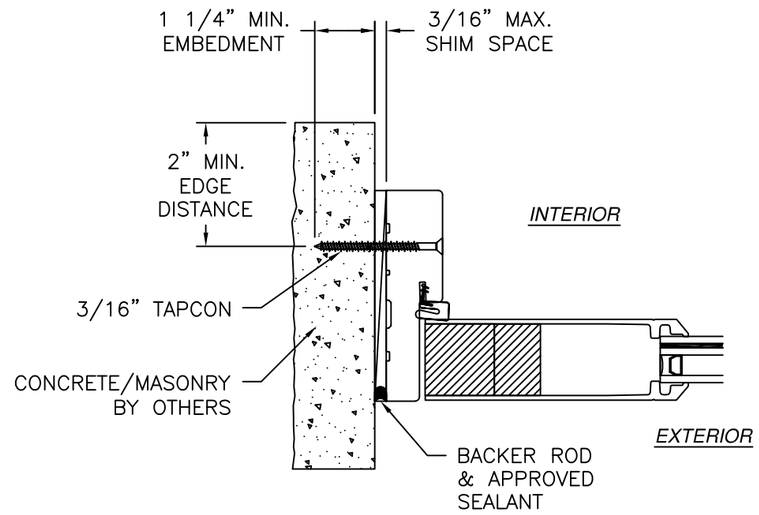


VERTICAL CROSS SECTION

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



JAMB INSTALLATION DETAIL

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

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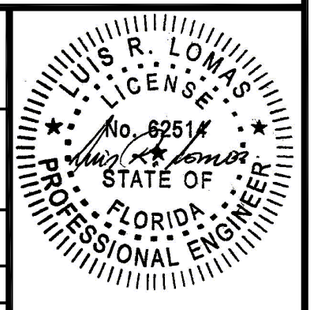

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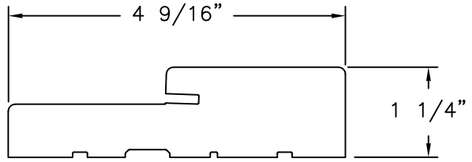
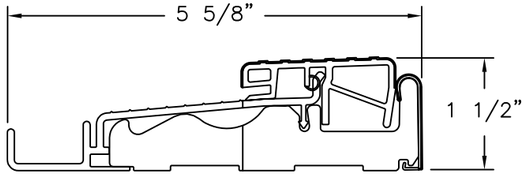


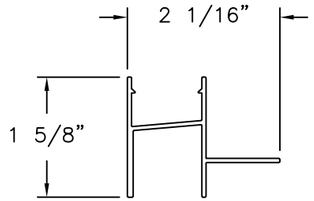
HEAD AND JAMB

LVL WITH COMPOSITE CAP



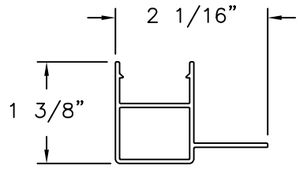
SILL

RnB EXTRUDED SUBSTRATE



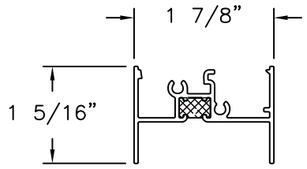
TOP TRACK

ALUMINUM FLAT CASING



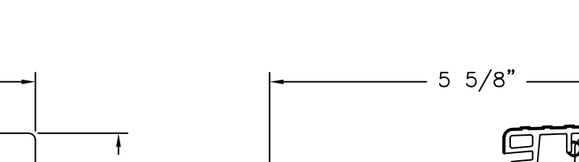
BI-FOLD SIDE TRIM

ALUMINUM

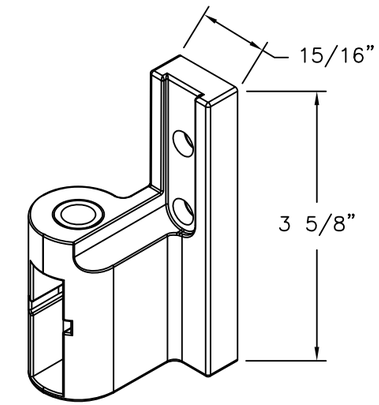


BI-FOLD HINGE

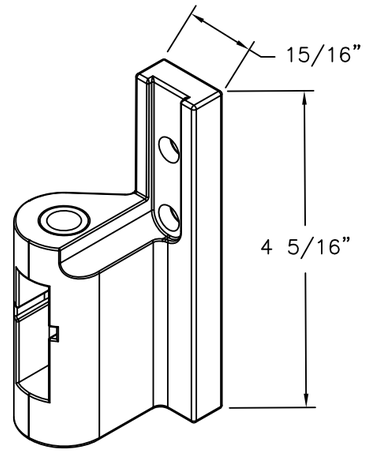
ALUMINUM 6063-T6



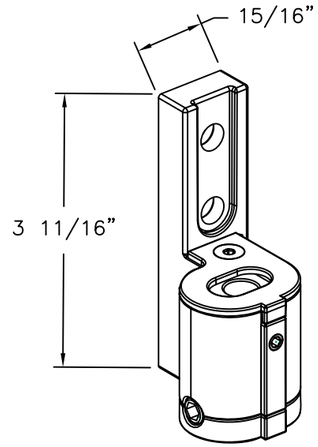
TRUCK ASSEMBLY



FLOATER KNUCKLE



TRUCK KNUCKLE



ADJUSTER KNUCKLE

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