

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 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: EXTRUDED RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FIN INTO METAL STRUCTURE USE #8 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.
15. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. 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.
17. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #8 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.
18. ALL FASTENERS TO BE CORROSION RESISTANT.
19. 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:

19.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

19.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

19.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

19.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .125” THICK MINIMUM

SIGNED: 08/08/2024

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ACADIAN WINDOWS AND SIDING, LLC

119 ALPHA DRIVE
DESTREHAN, LA 70047

ACADIAN COMPASS SERIES DOUBLE HUNG WINDOW
NON–REINFORCED NON–IMPACT 48” X 78”
NOTES

DRAWN:
A.R.

DWG NO.
08–04078

REV
–

SCALE NTS

DATE 07/30/2024

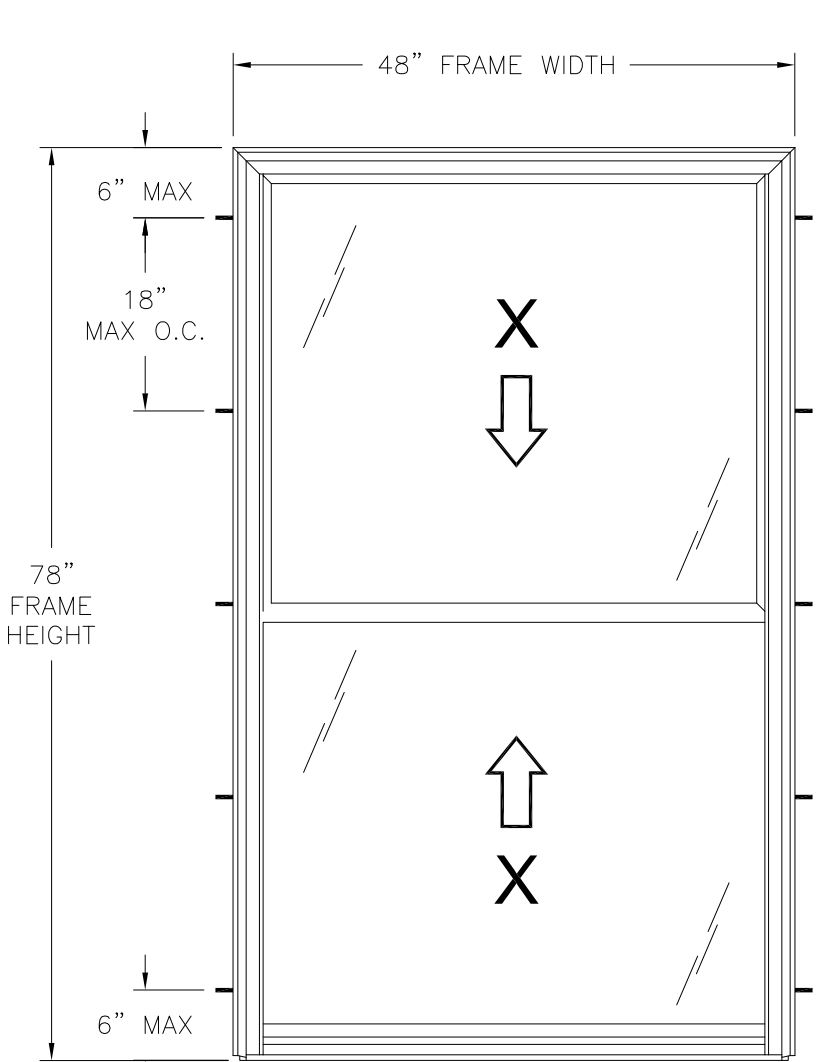
SHEET 1 OF 8

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

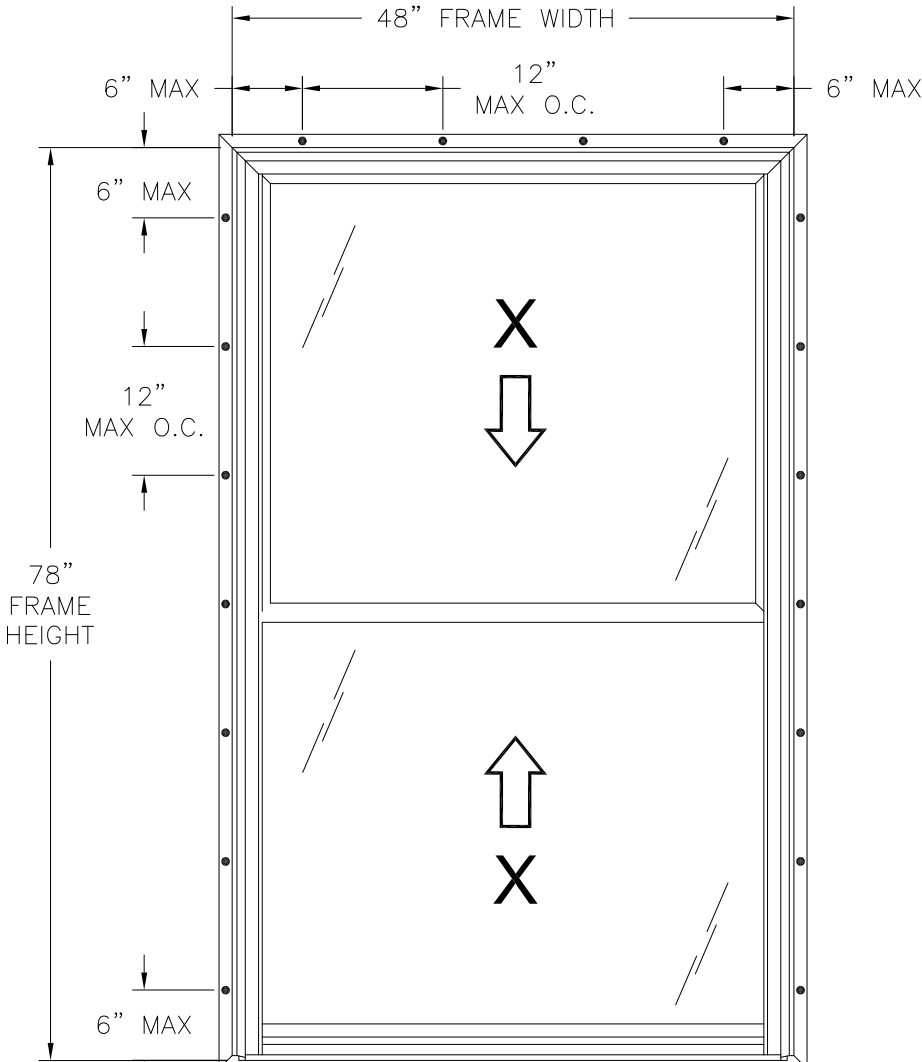
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

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ACADIAN COMPASS SERIES DOUBLE HUNG WINDOW
EXTERIOR VIEW
FINLESS INSTALLATION



ACADIAN COMPASS SERIES DOUBLE HUNG WINDOW
EXTERIOR VIEW
FINLESS INSTALLATION

- NOTES:
1. TOP SASH SIZE: 43 7/8" X 37 7/8"
 2. BOTTOM SASH SIZE: 44 7/8" X 38 15/16"
 3. TOP SASH D.L.O.: 41 7/16" X 35 7/16"
 4. BOTTOM SASH D.L.O.: 42 7/16" X 36 1/2"

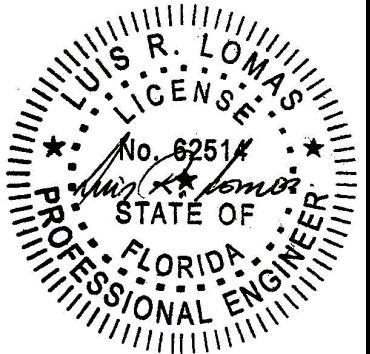
DESIGN PRESSURE RATING	IMPACT RATING
±15.0PSF	NONE

48" X 78" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 26.0 FT²

HARDWARE SCHEDULE	
A.	(2) COMPOSITE CAM LOCK WITH KEEPER AT LOCK RAIL, 7" IN FROM EACH END
B.	(4) CONSTANT FORCE BALANCE SYSTEM WITH TILT LOCKING SHOE AT JAMBS
C.	(4) METAL PIVOT BAR AT BOTTOM RAIL AND KEEPER RAIL, ONE AT EACH END
D.	(4) PLASTIC TILT LATCH (FLUSH MOUNT) AT TOP AND LOCK RAIL, ONE AT EACH END
E.	(2) PLASTIC NIGHT LATCH AT TOP SASH STILES, ONE PER STILE

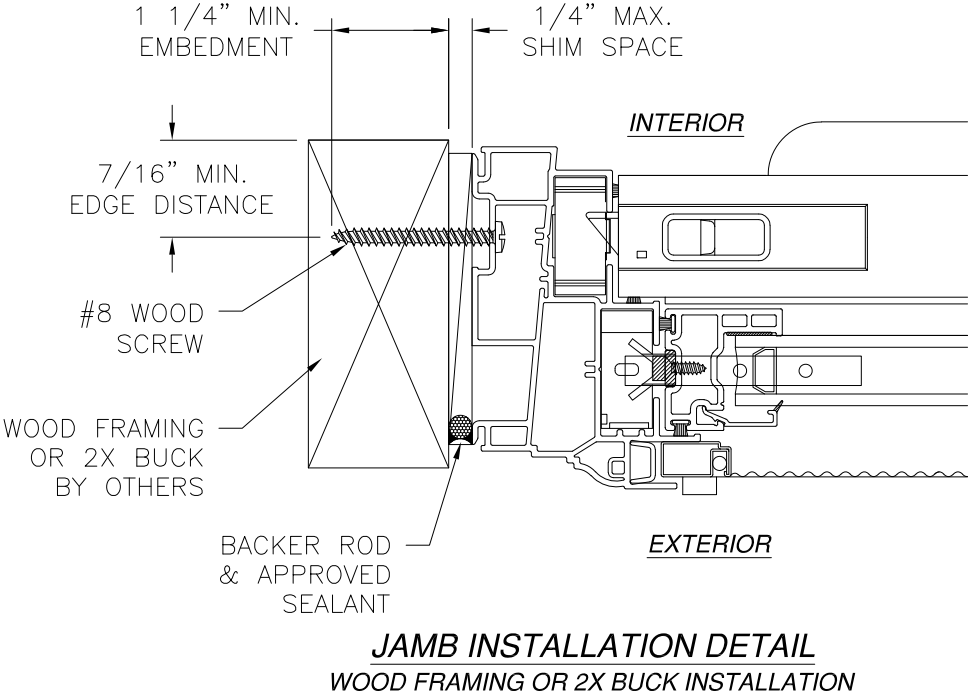
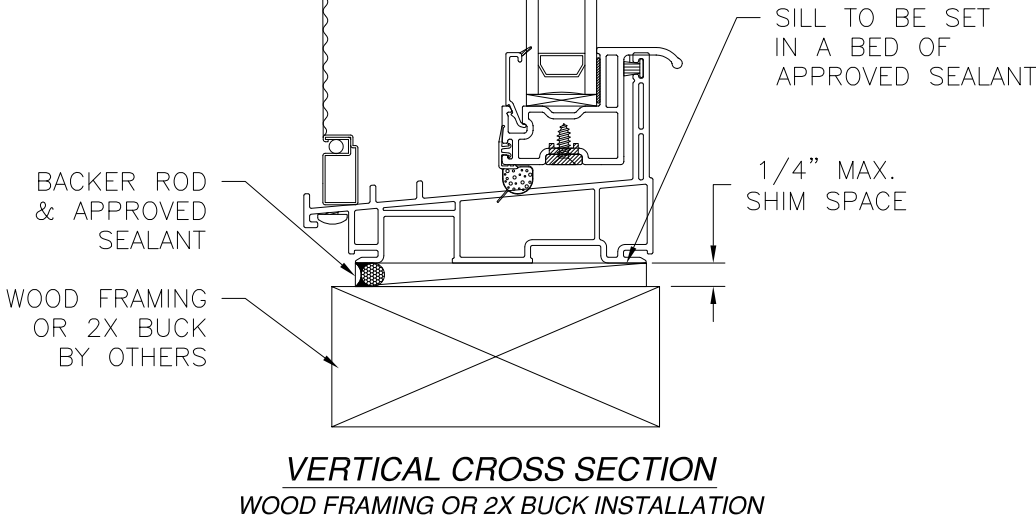
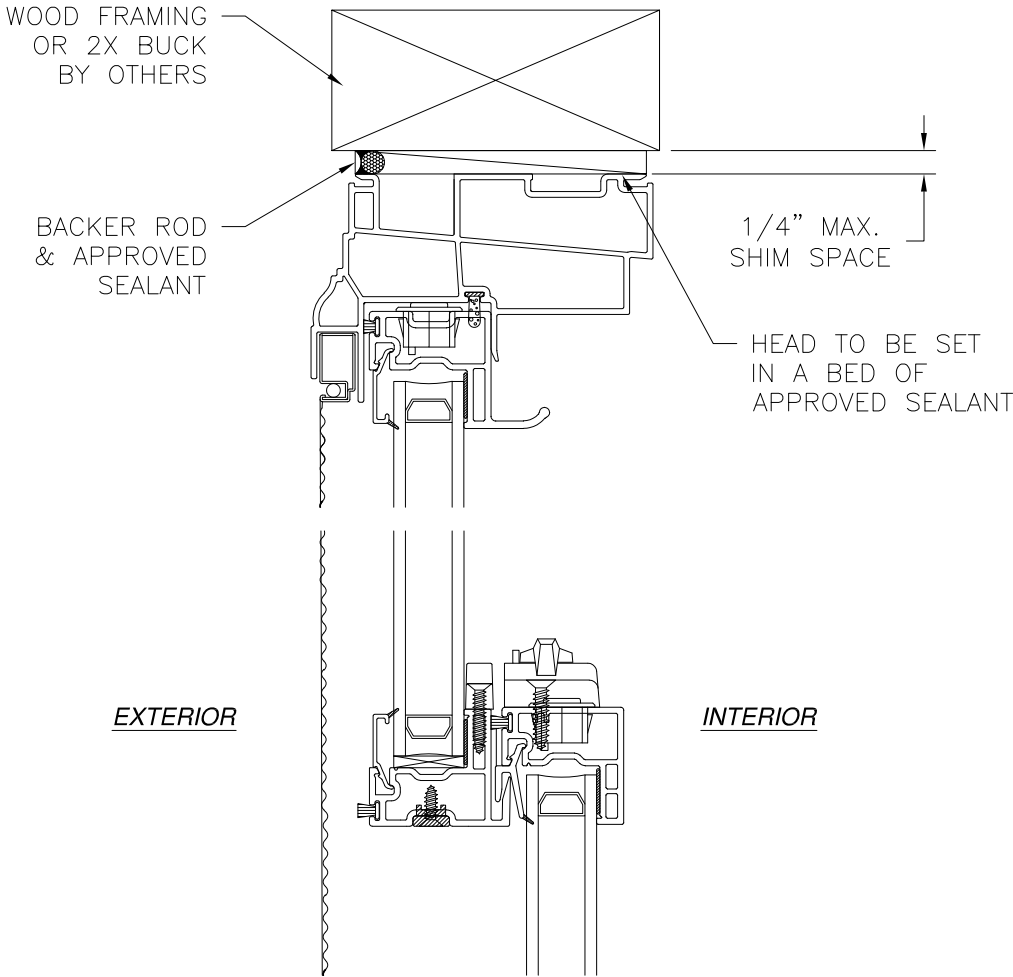
ACADIAN WINDOWS AND SIDING, LLC 119 ALPHA DRIVE DESTREHAN, LA 70047		
ACADIAN COMPASS SERIES DOUBLE HUNG WINDOW NON-REINFORCED NON-IMPACT 48" X 78" ELEVATIONS		
DRAWN: A.R.	DWG NO. 08-04078	REV -
SCALE NTS	DATE 07/30/2024	SHEET 2 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 08/08/2024



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FL No.: 62514

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- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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ACADIAN WINDOWS AND SIDING, LLC
119 ALPHA DRIVE
DESTREHAN, LA 70047

ACADIAN COMPASS SERIES DOUBLE HUNG WINDOW
NON-REINFORCED NON-IMPACT 48" X 78"
INSTALLATION DETAILS

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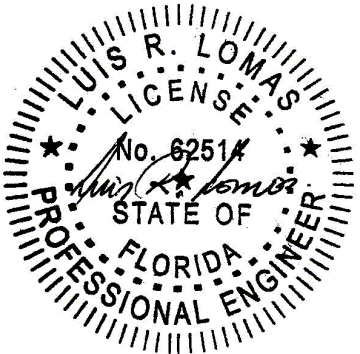
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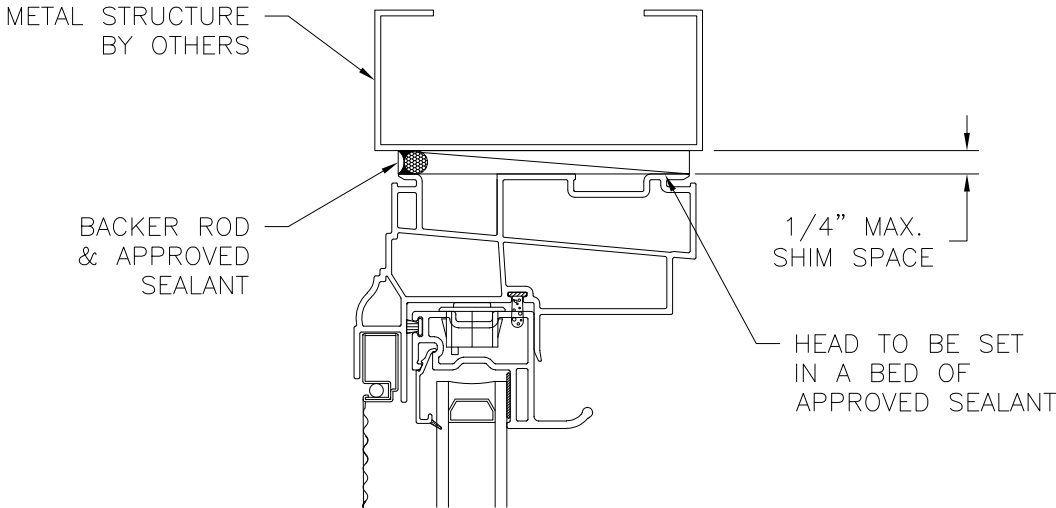
SHEET
3 OF 8

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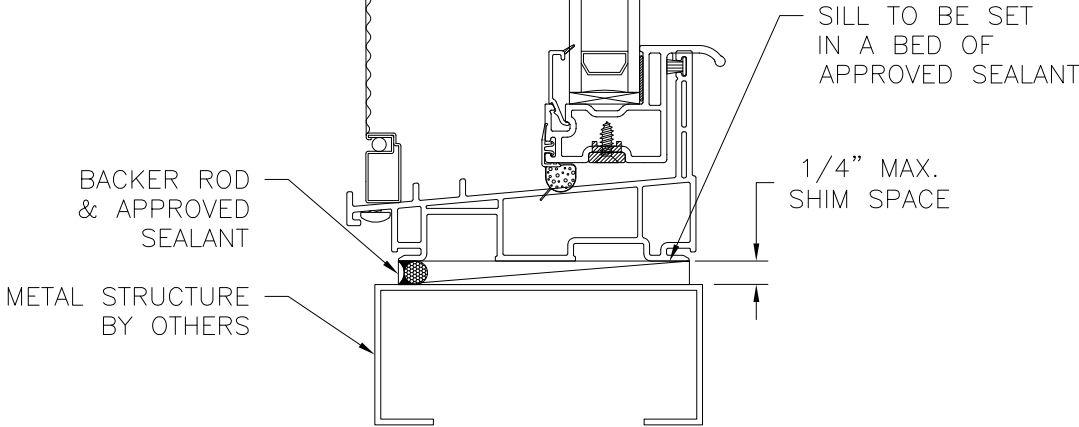
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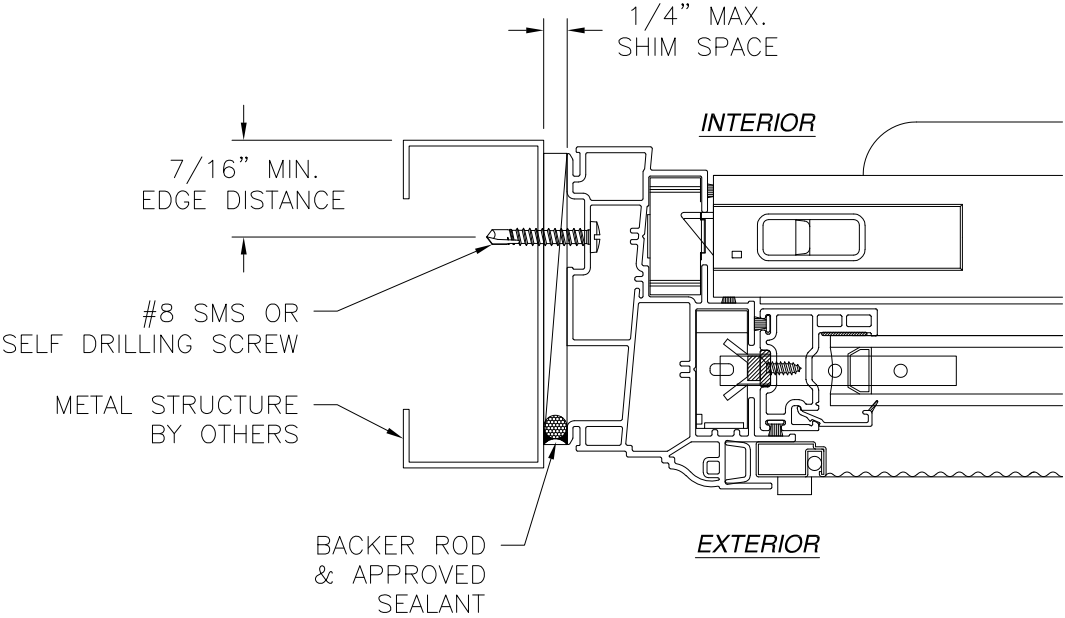


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

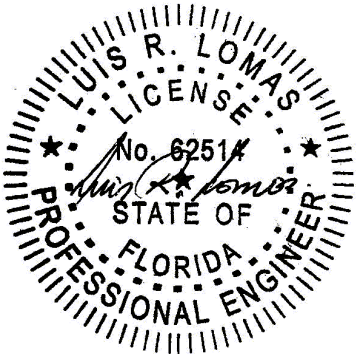


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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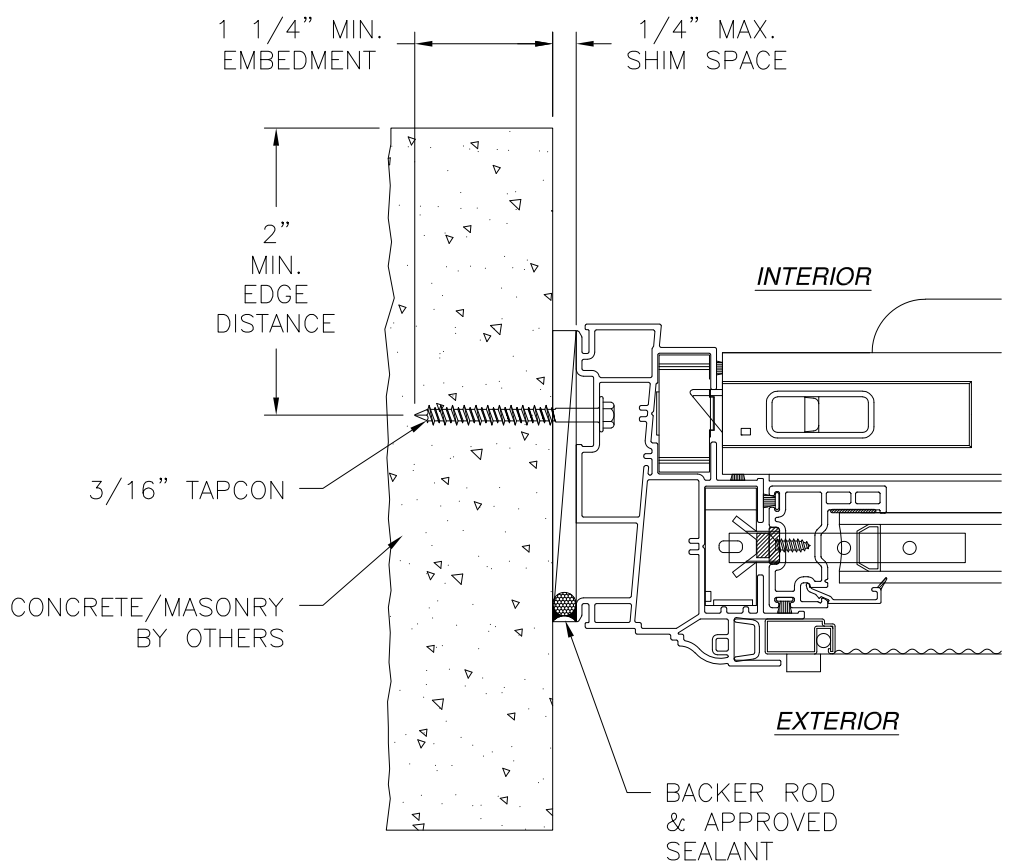
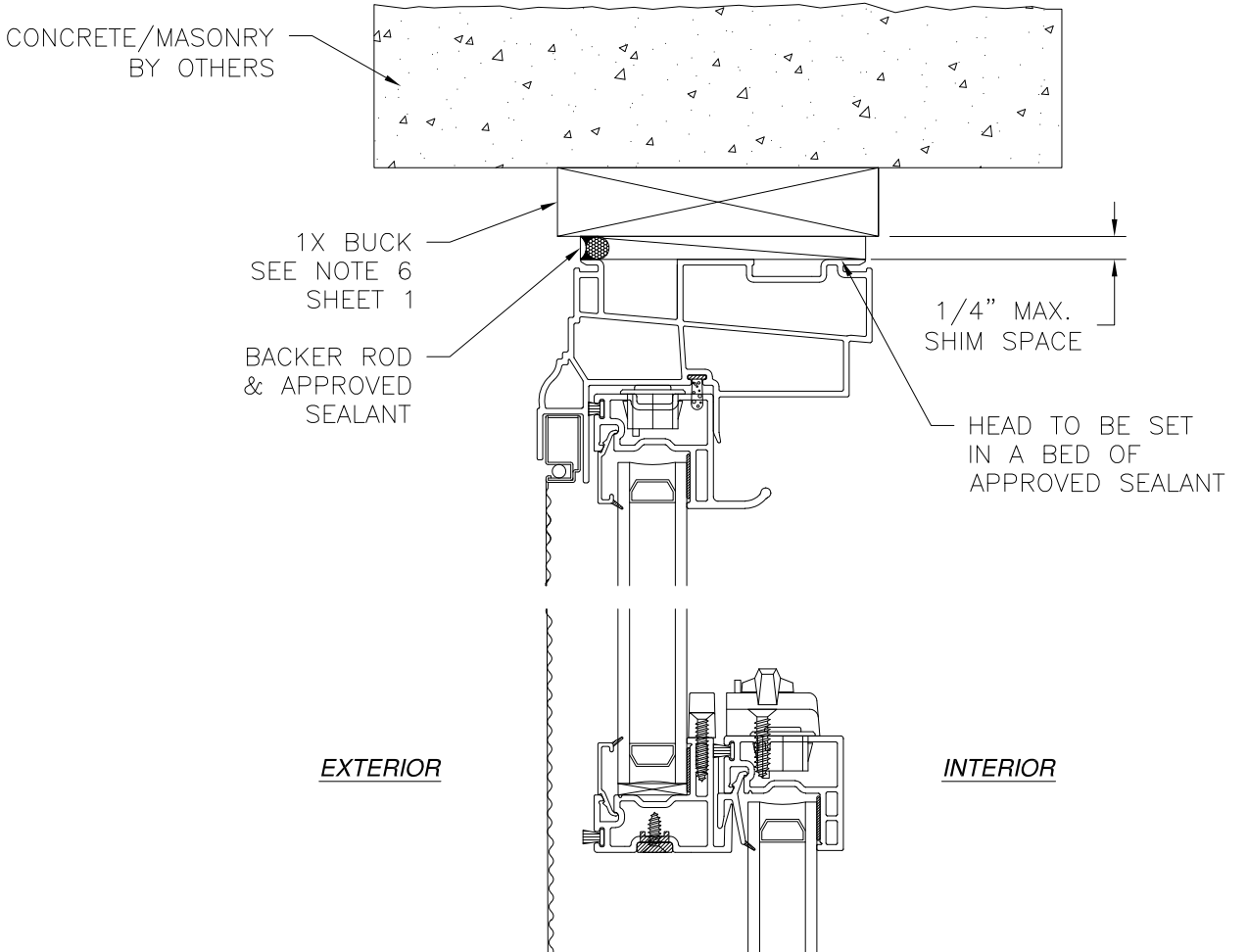
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ACADIAN WINDOWS AND SIDING, LLC 119 ALPHA DRIVE DESTREHAN, LA 70047		
ACADIAN COMPASS SERIES DOUBLE HUNG WINDOW NON-REINFORCED NON-IMPACT 48" X 78" INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04078	REV -
SCALE NTS	DATE 07/30/2024	SHEET 4 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

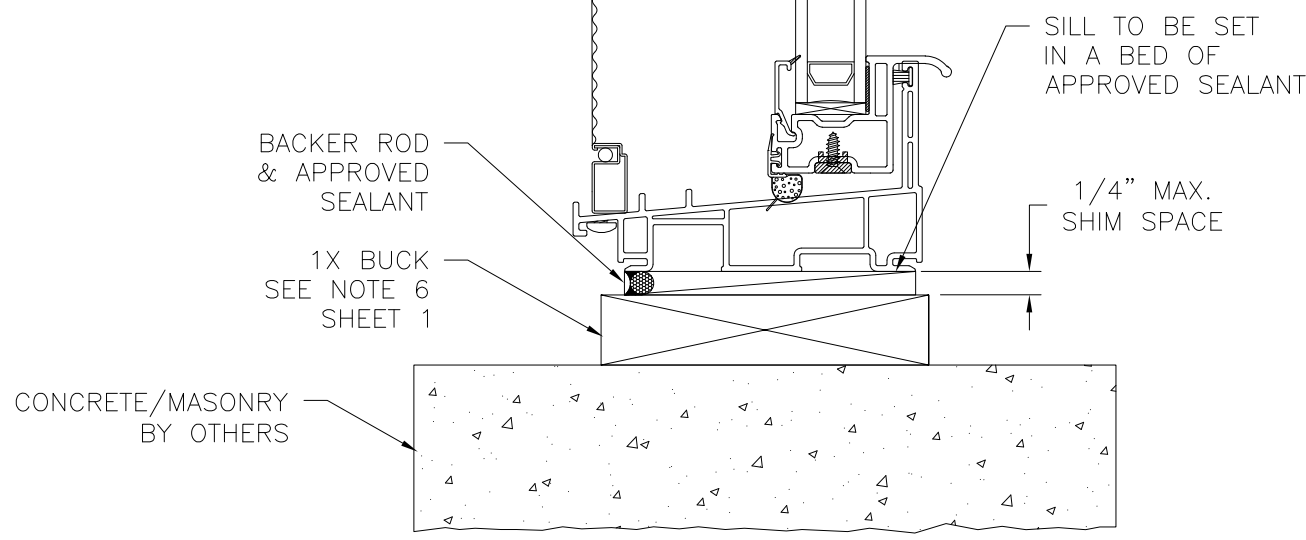


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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS



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

- NOTES:
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Professional Engineer Seal for Luis R. Lomas, State of Florida, License No. 62514.

APPROVED SEALANT BEHIND FIN

#8 WOOD SCREW

7/16" MIN EDGE DISTANCE

1 1/4" MIN. EMBEDMENT

WOOD FRAMING BY OTHERS

1/4" MAX. SHIM SPACE

EXTERIOR

INTERIOR

7/16" MIN EDGE DISTANCE

#8 WOOD SCREW

APPROVED SEALANT BEHIND FIN

1/4" MAX SHIM SPACE

1 1/4" MIN. EMBEDMENT

WOOD FRAMING BY OTHERS

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

WOOD FRAMING BY OTHERS

#8 WOOD SCREW

1 1/4" MIN. EMBEDMENT

APPROVED SEALANT BEHIND FIN

7/16" MIN EDGE DISTANCE

1/4" MAX SHIM SPACE

INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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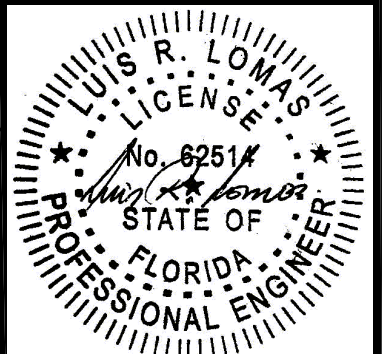
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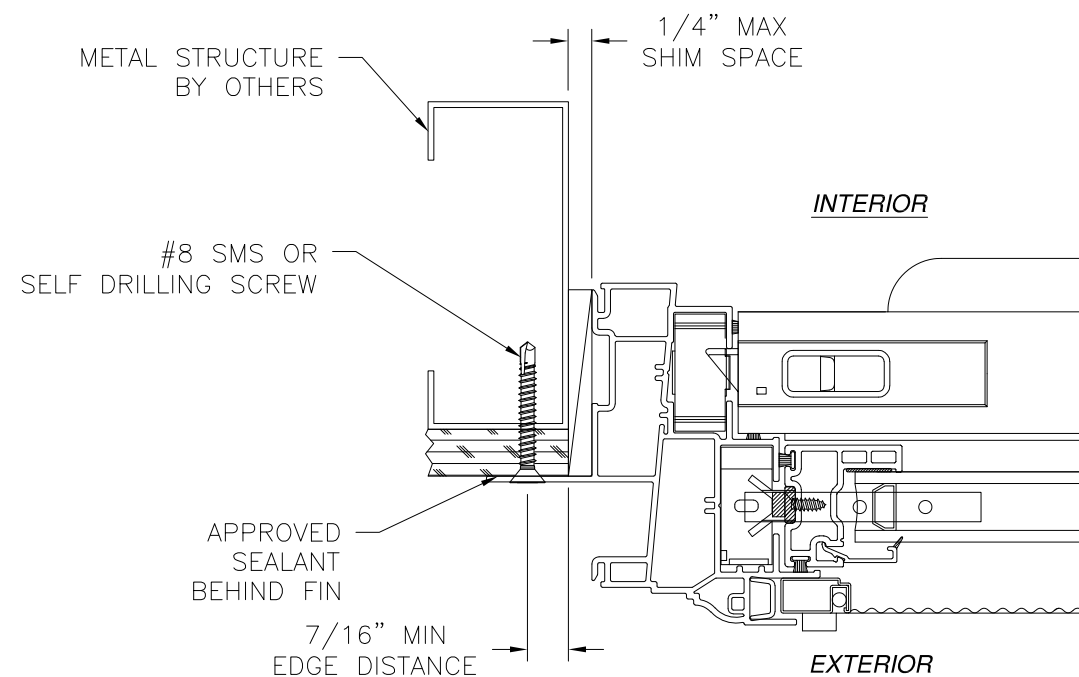
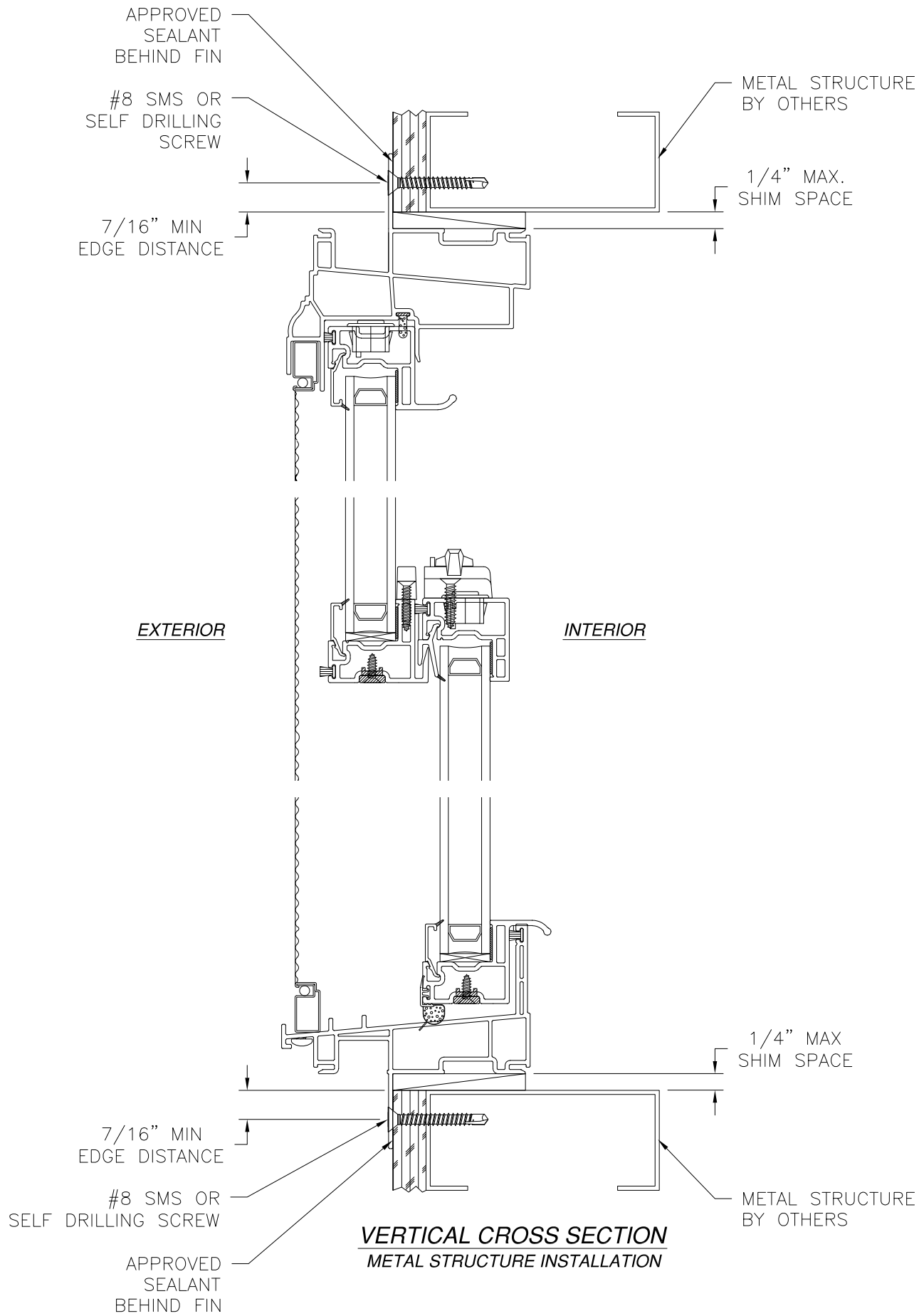
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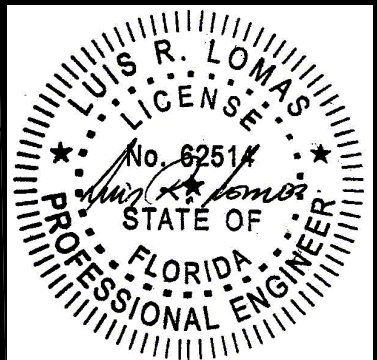


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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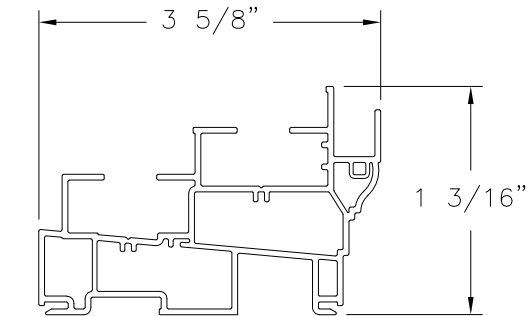
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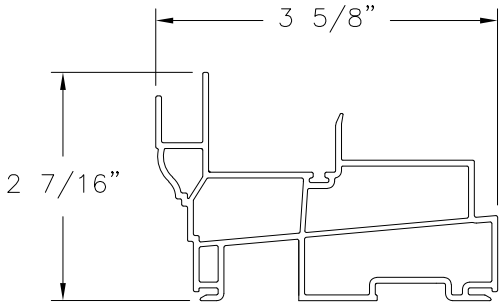


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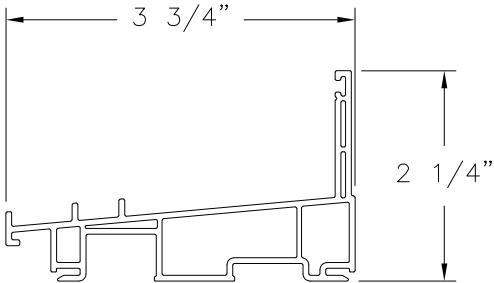
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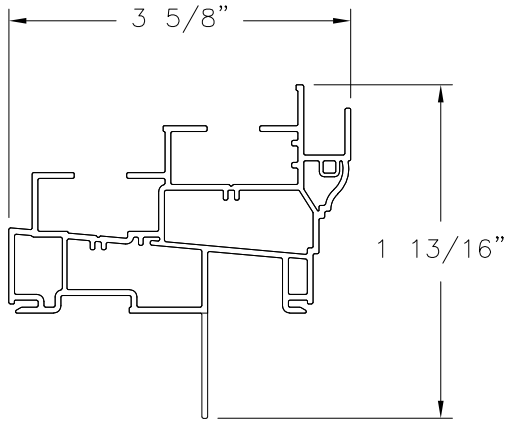
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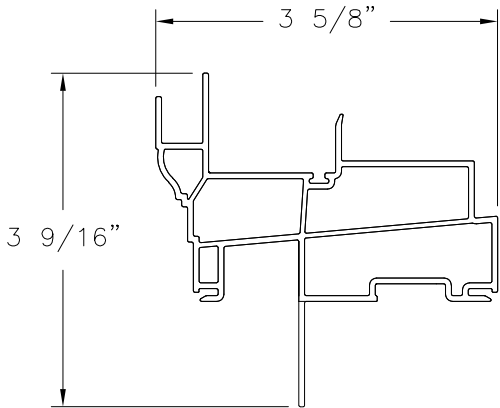
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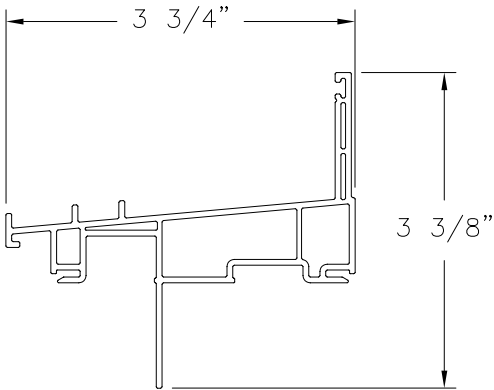
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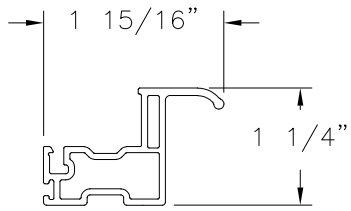
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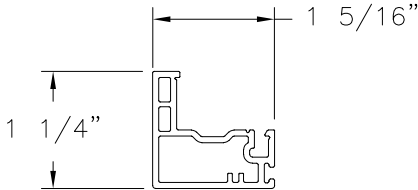
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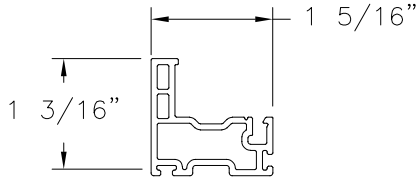
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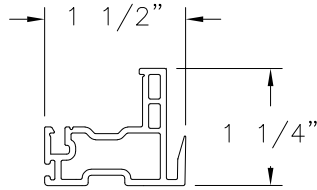
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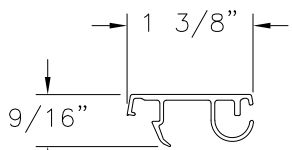
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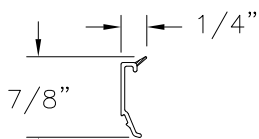
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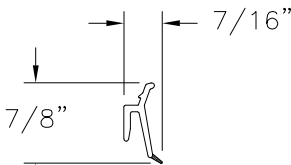
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SASH STOP (10008483)
ALUMINUM 6005-T5



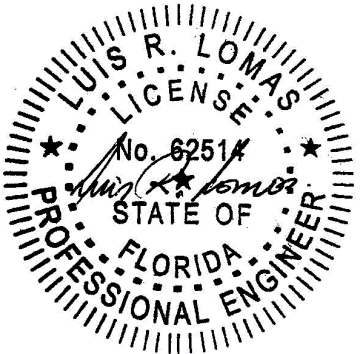
GLAZING BEAD
EXTRUDED VINYL



INTERLOCK GLAZING BEAD (1000551)
EXTRUDED VINYL

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