

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, SEE SHEET 2 FOR GLAZING DETAIL.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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: 08/06/2024

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2	ELEVATIONS AND GLAZING DETAIL
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8	COMPONENTS

ACADIAN WINDOWS AND SIDING, LLC

119 ALPHA DRIVE
DESTREHAN, LA 70047

ACADIAN WINDOWS IMPACT SERIES DOUBLE HUNG
48” X 72”
NOTES

DRAWN:
A.R.

DWG NO.
08–04077

REV
–

SCALE
NTS

DATE
07/22/2024

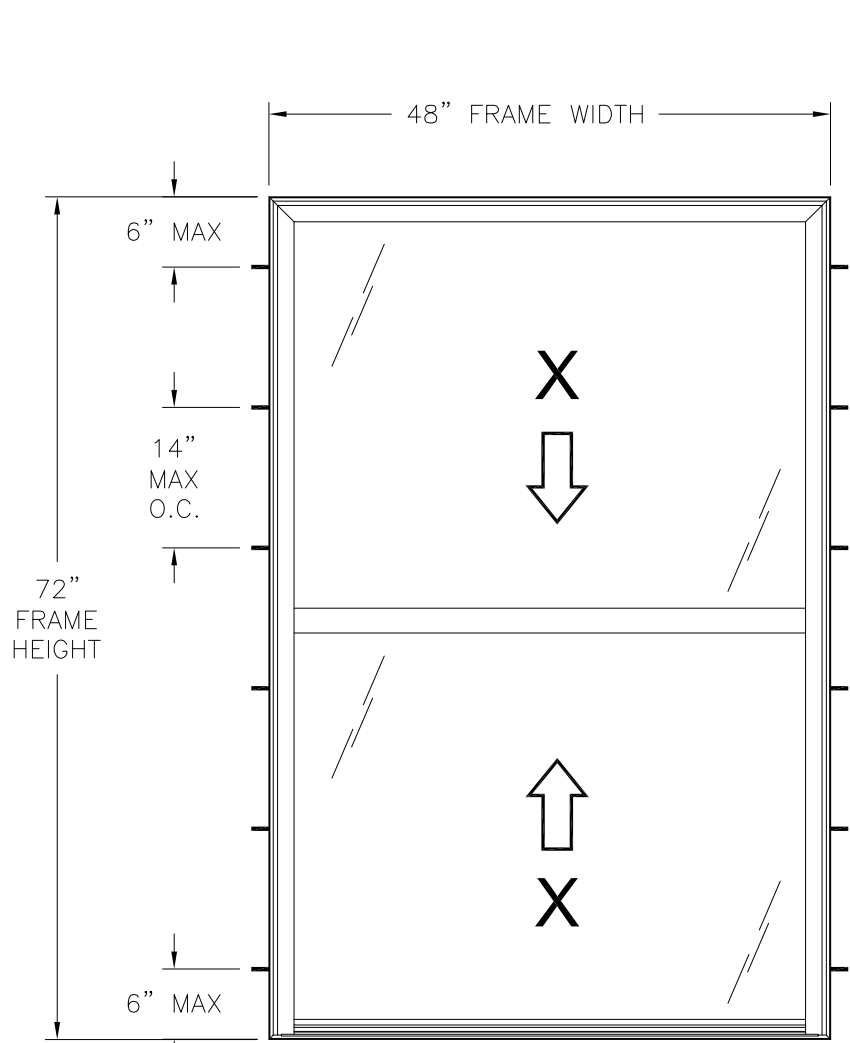
SHEET
1 OF 8

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

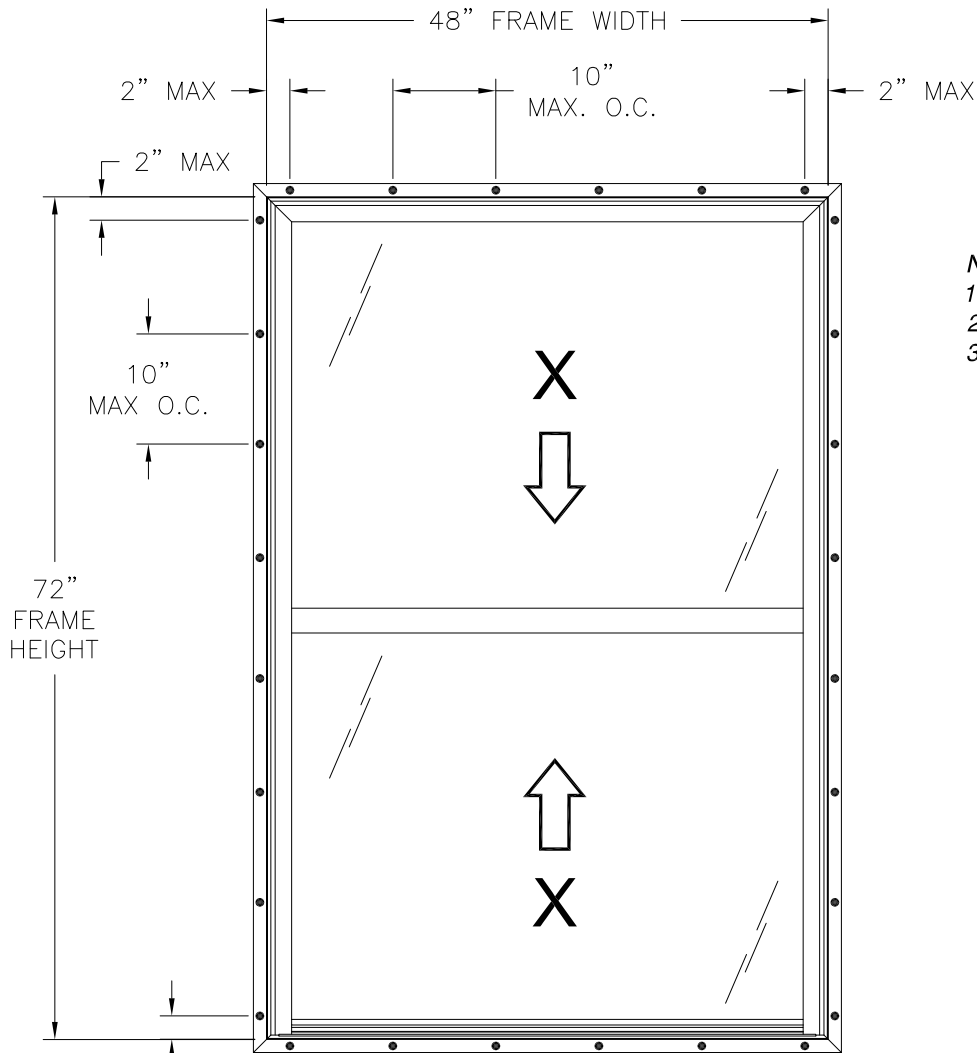
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

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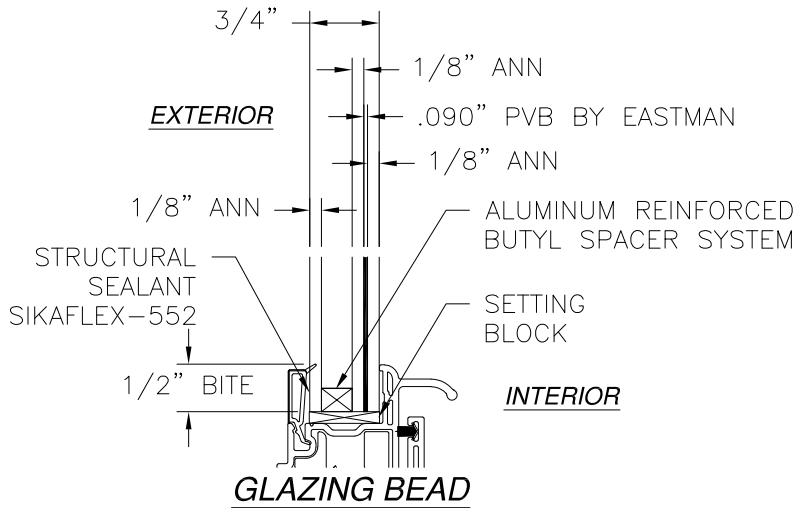


ACADIAN IMPACT SERIES DOUBLE HUNG WINDOW
EXTERIOR VIEW
FINLESS INSTALLATION



ACADIAN IMPACT SERIES DOUBLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION

- NOTES:**
1. TOP SASH SIZE: 34 5/8" X 43 3/8"
 2. BOTTOM SASH SIZE: 35 5/8" X 44 3/8"
 3. D.L.O.: 41 3/8" X 32 3/8"



DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4
48" X 72" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 24.0 FT²

HARDWARE SCHEDULE

A.	(2) 1/2 COIL SPRING BALANCE SYSTEM AT EACH JAMB
B.	(2) METALLIC SPRING LOADED TILT LATCHES, 1 1/2" FROM TOP RAIL CORNER OF BOTTOM SASH
C.	(2) PLASTIC SPRING LOADED TILT LATCHES, 1 1/2" FROM TOP RAIL CORNER OF UPPER SASH
D.	(4) FS PIVOT BAR, TWO AT EACH END OF OPERABLE SASH BOTTOM RAIL
E.	(1) ALUMINUM IMPACT CLIP REINFORCEMENT, 1 1/2" FROM BOTTOM LOCK RAIL CORNER UNDER METALLIC TILT LATCH
F.	(1) CAST CAM LOCKS, 8" FROM EACH JAMB CORNER ON SASH TOP RAIL
G.	(4) STAINLESS STEEL SILL INTERLOCKS AT BOTTOM LIFT RAIL AND AT FRAME SILL EXTERIOR LEG
H.	ALUMINUM REINFORCEMENT (10300082) AT ACTIVE SASH STILES AND TOP RAILS
I.	ALUMINUM REINFORCEMENT (10300083) AT LOCK RAIL
J.	ALUMINUM REINFORCEMENT (10300096) AT SASH SILL AND FRAME SILL

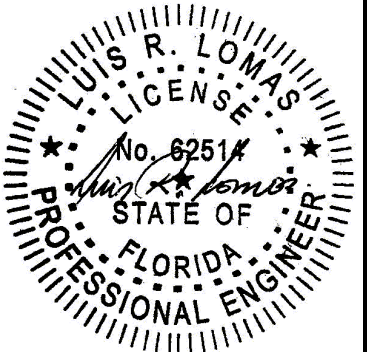
ACADIAN WINDOWS AND SIDING, LLC
119 ALPHA DRIVE
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ACADIAN WINDOWS IMPACT SERIES DOUBLE HUNG
48" X 72"
ELEVATIONS

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SCALE NTS	DATE 07/22/2024	SHEET 2 OF 8

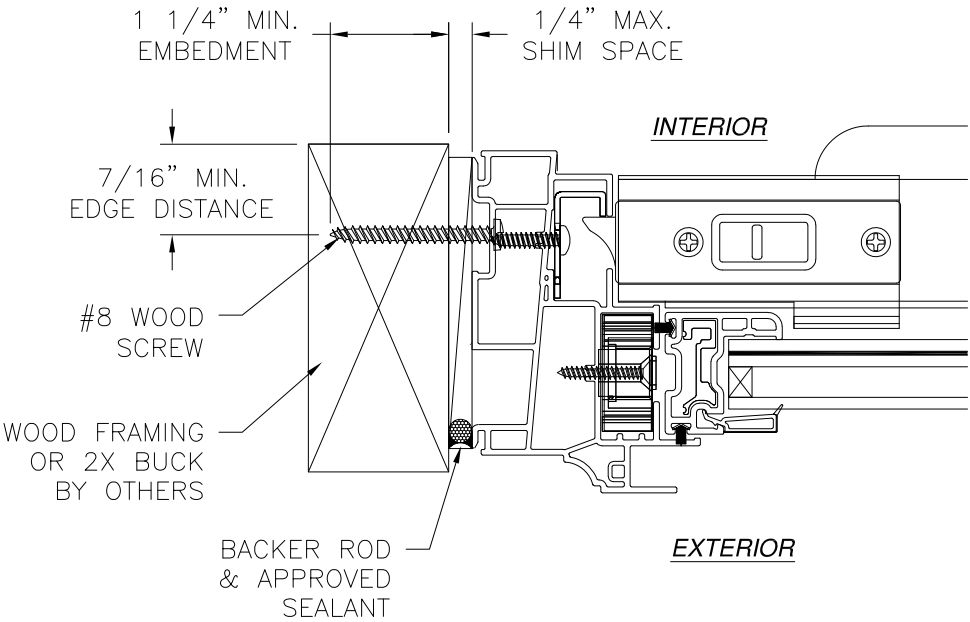
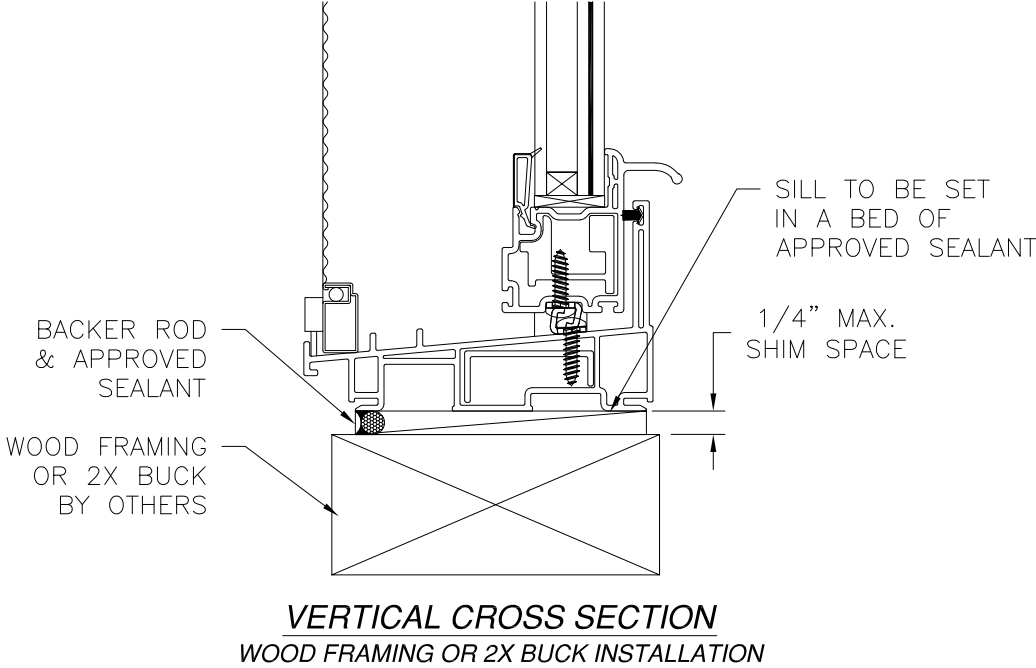
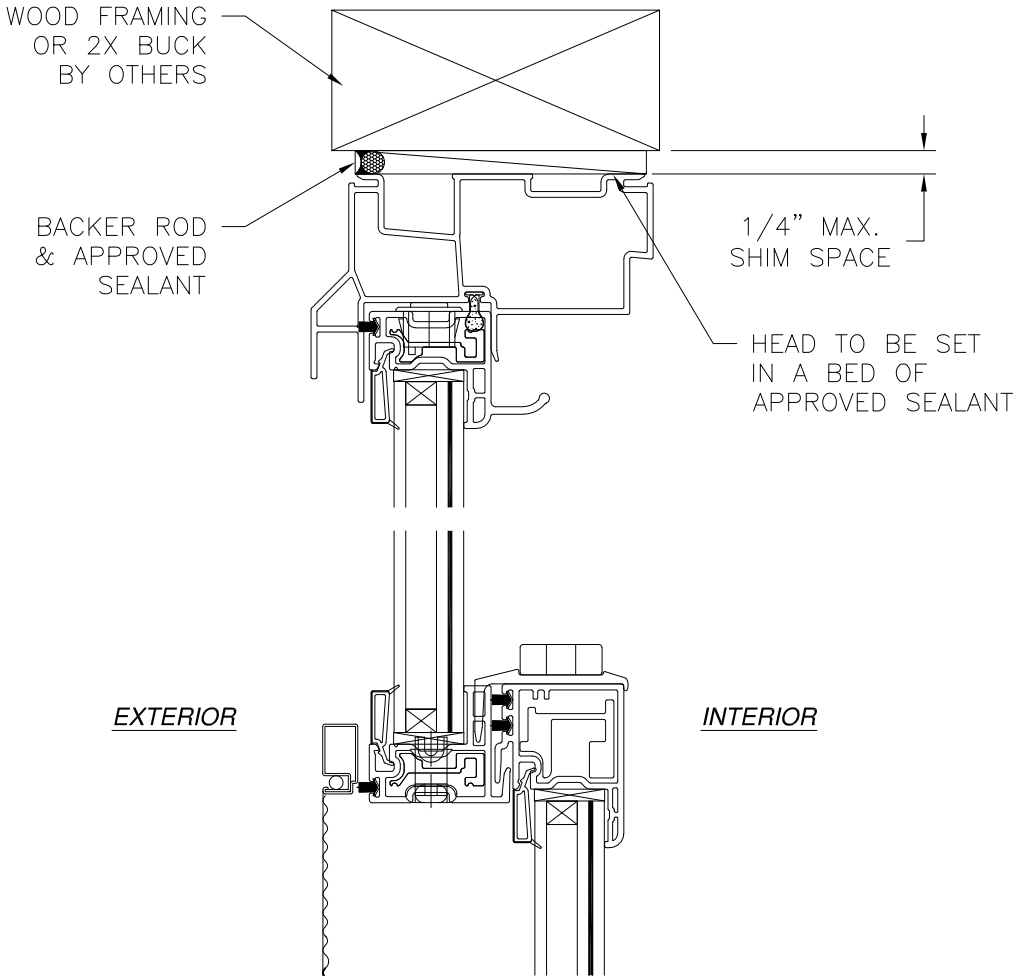
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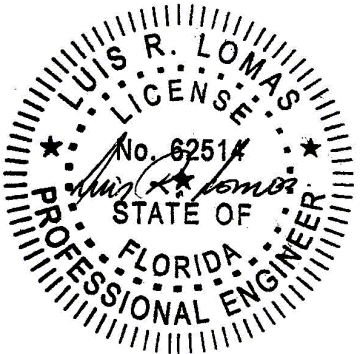


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

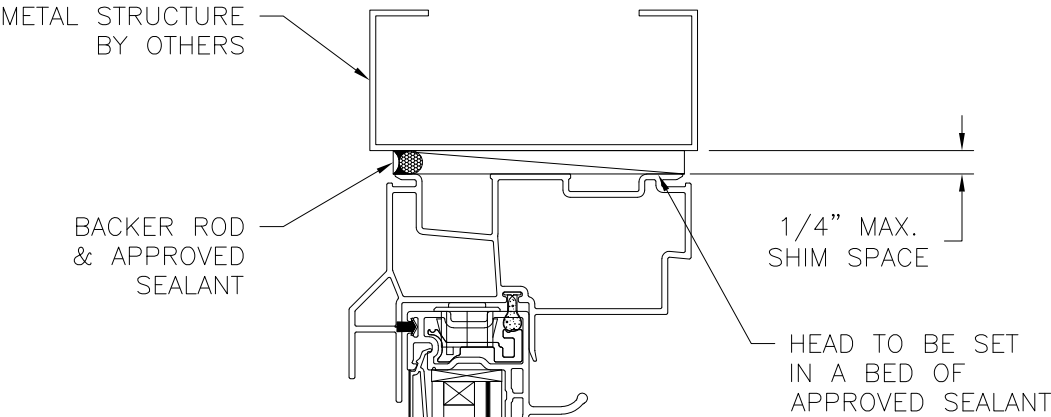
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ACADIAN WINDOWS AND SIDING, LLC		
119 ALPHA DRIVE DESTREHAN, LA 70047		
ACADIAN WINDOWS IMPACT SERIES DOUBLE HUNG 48" X 72" INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04077	REV -
SCALE NTS	DATE 07/22/2024	SHEET 3 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

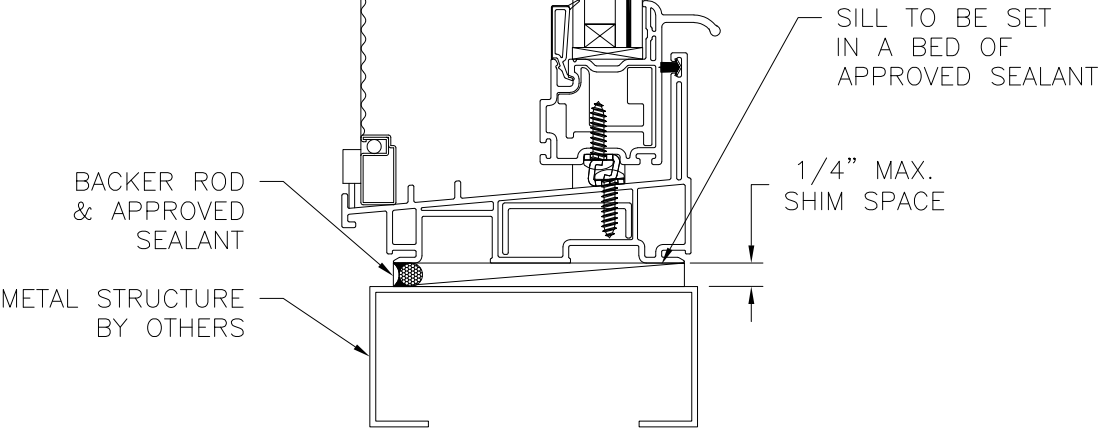


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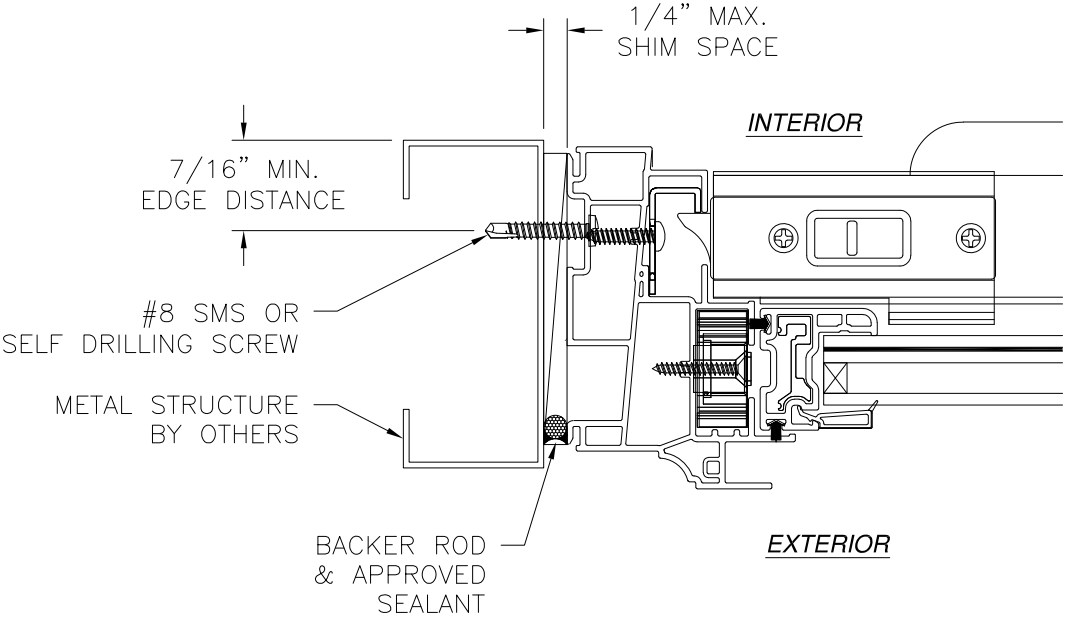
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EXTERIOR INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

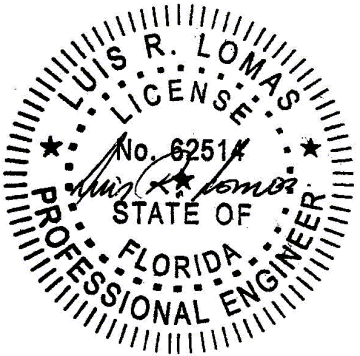


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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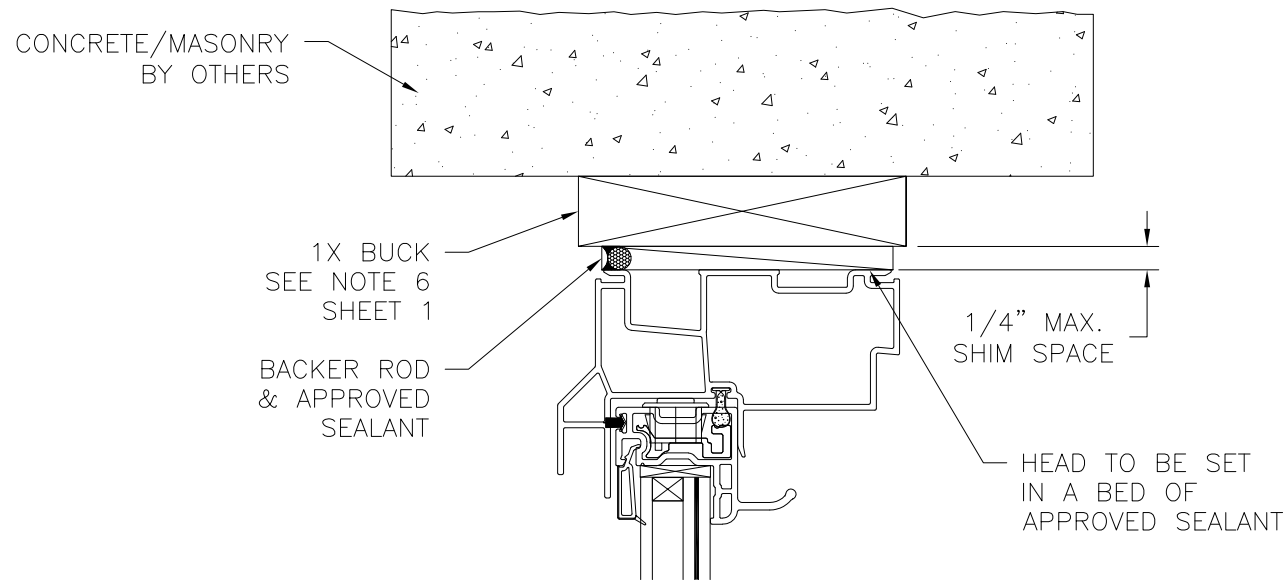
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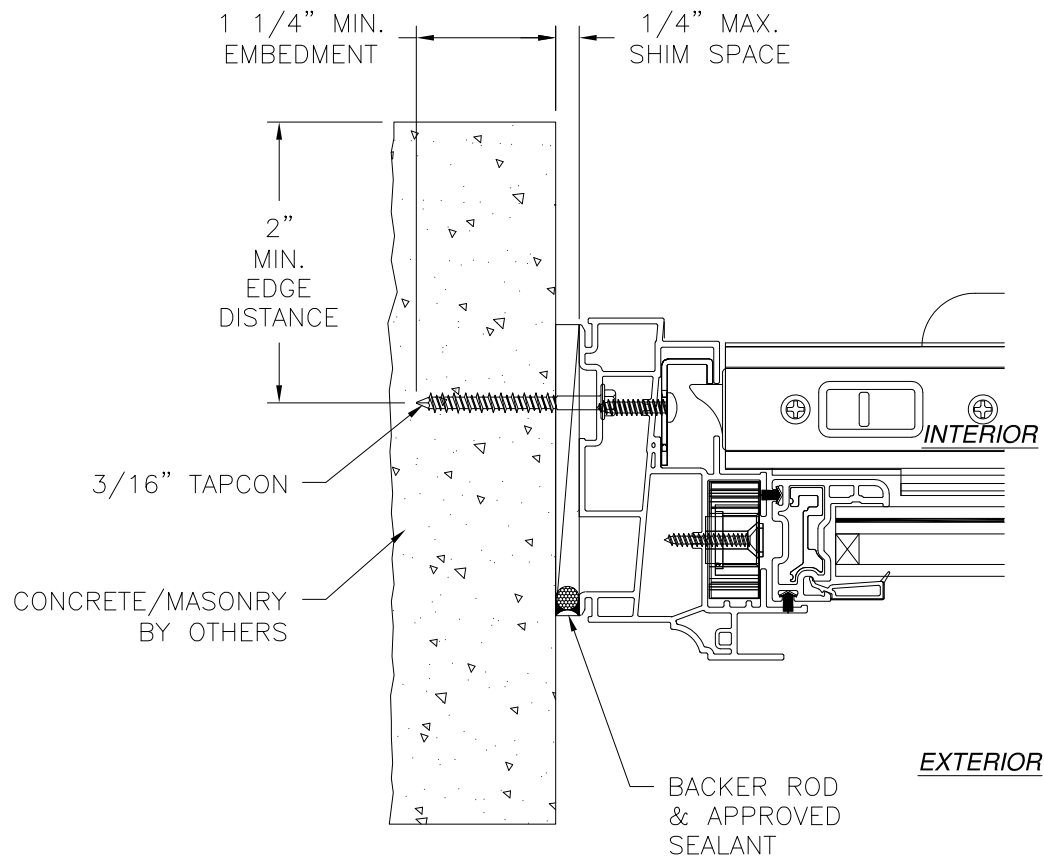
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EXTERIOR

INTERIOR

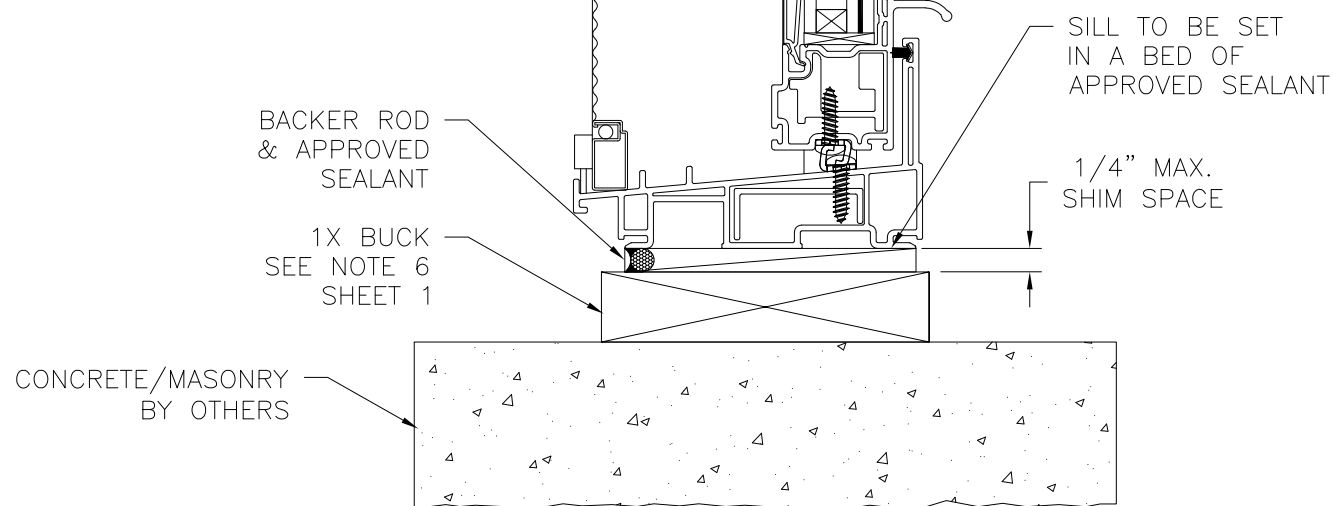


JAMB INSTALLATION DETAIL

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

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



VERTICAL CROSS SECTION

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

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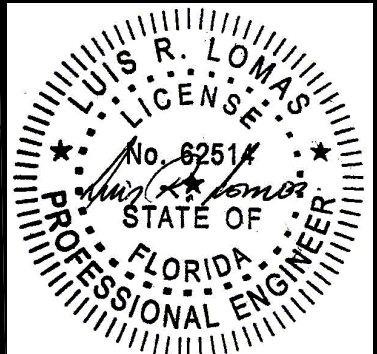
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DESTREHAN, LA 70047

ACADIAN WINDOWS IMPACT SERIES DOUBLE HUNG
48" X 72"
INSTALLATION DETAILS

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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 1/4" MIN.
EMBEDMENT

WOOD
FRAMING
BY OTHERS

1/4" MAX
SHIM SPACE

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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ACADIAN WINDOWS AND SIDING, LLC

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DESTREHAN, LA 70047

ACADIAN WINDOWS IMPACT SERIES DOUBLE HUNG
48" X 72"
FIN INSTALLATION DETAILS

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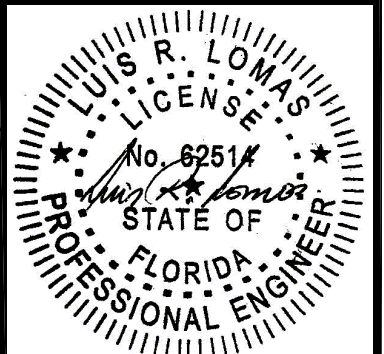
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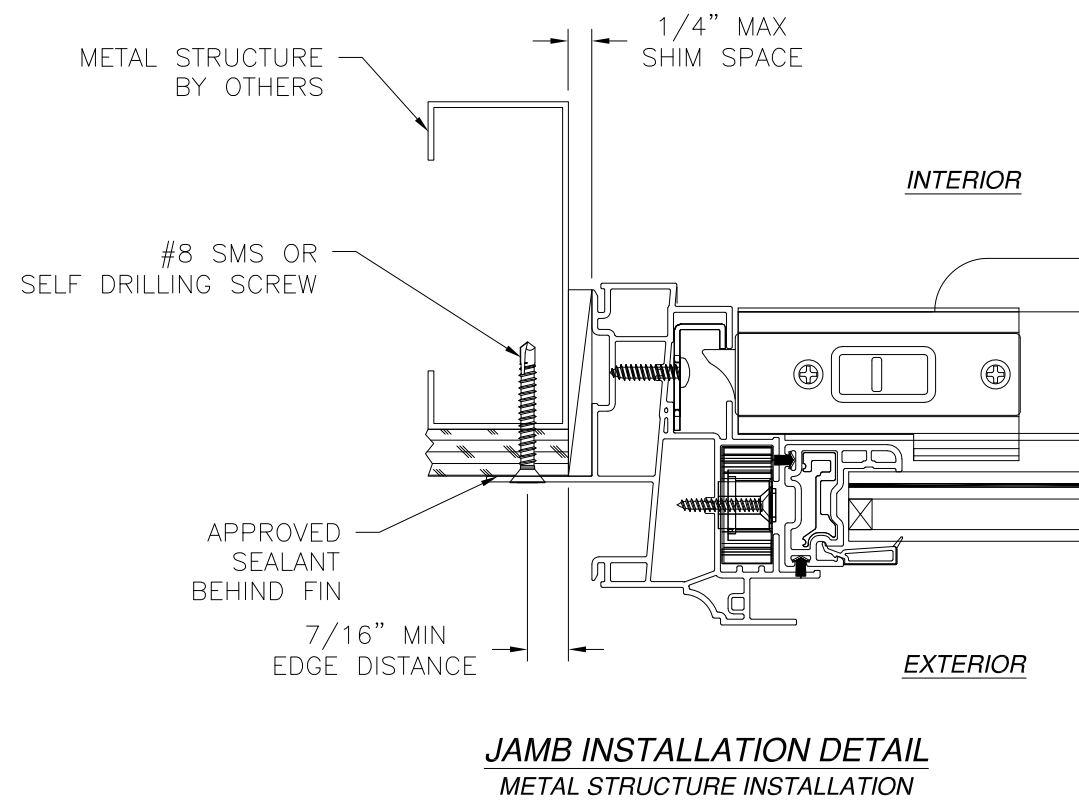
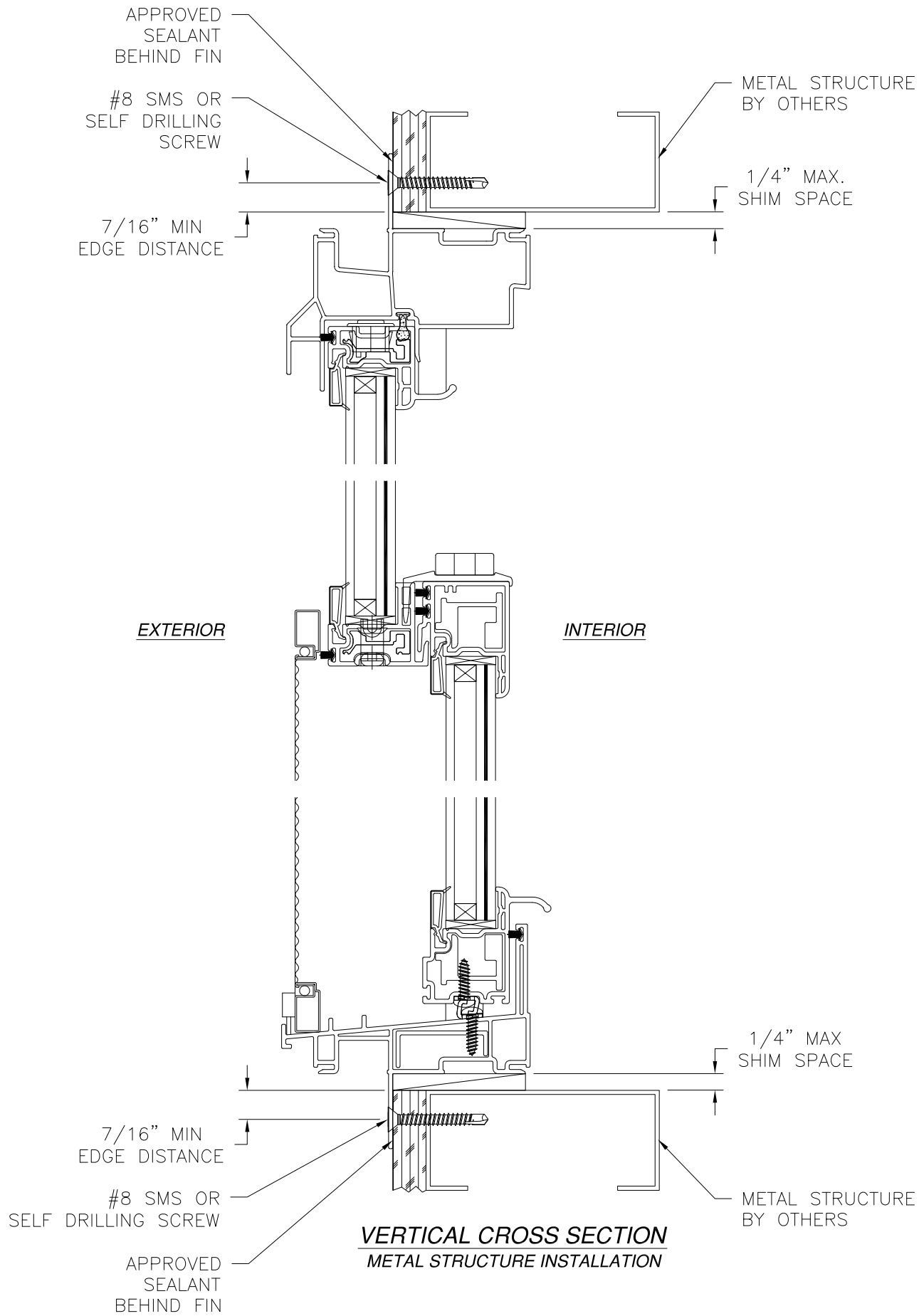
SHEET 6 OF 8

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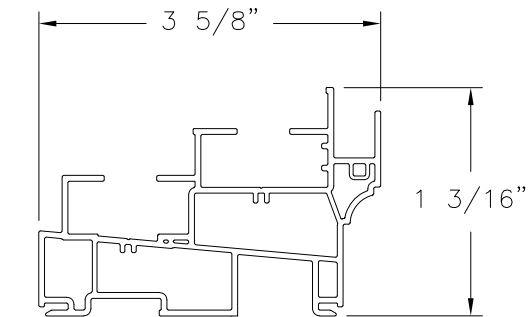
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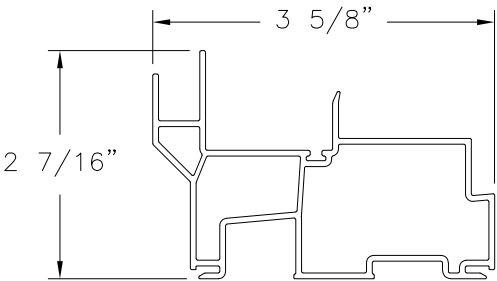
ACADIAN WINDOWS AND SIDING, LLC		
119 ALPHA DRIVE DESTREHAN, LA 70047		
ACADIAN WINDOWS IMPACT SERIES DOUBLE HUNG 48" X 72" FIN INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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

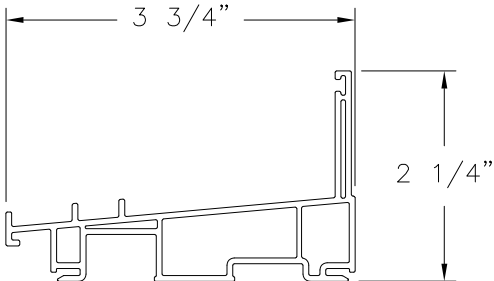
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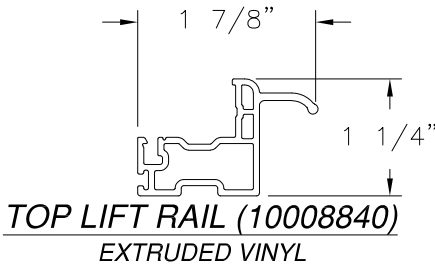
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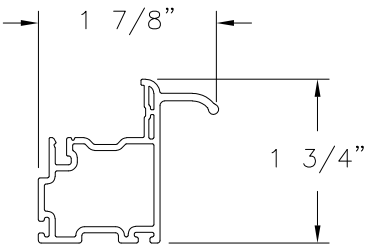
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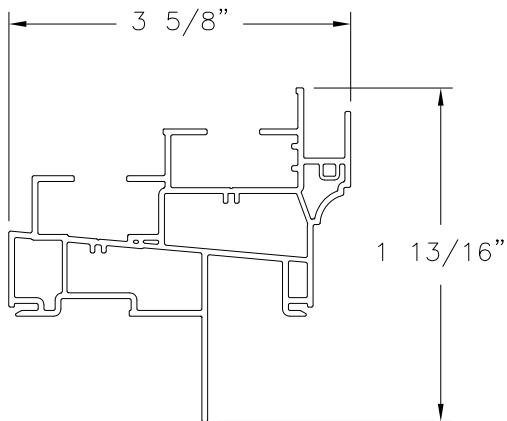
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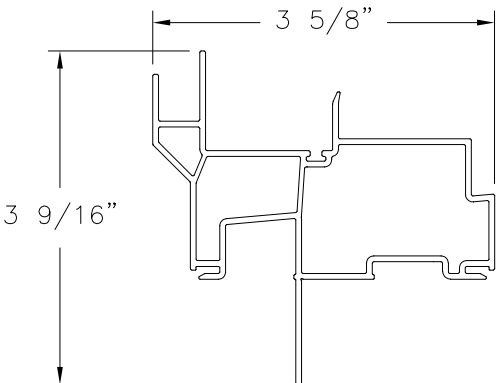
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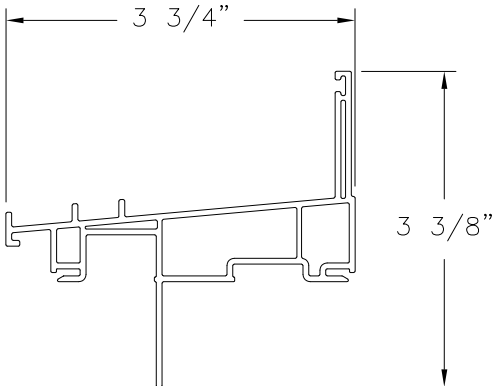
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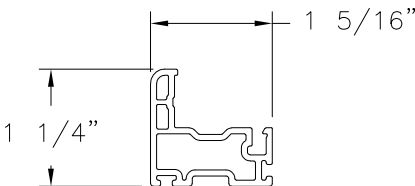
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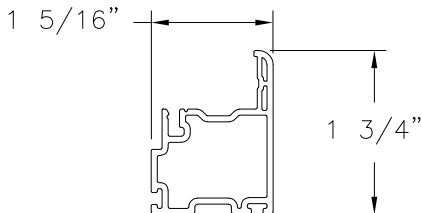
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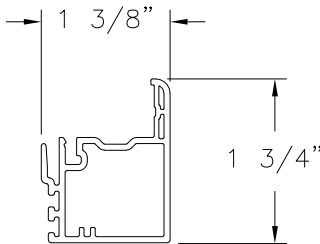
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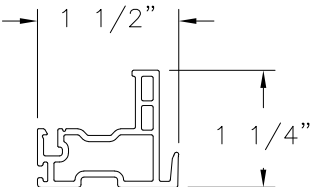
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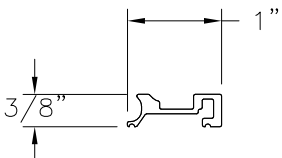
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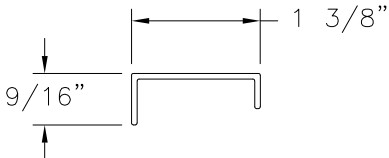
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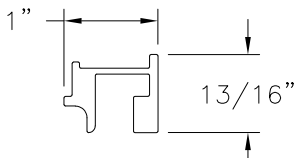
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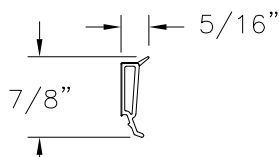
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ALUMINUM 6005-T5



REINFORCEMENT (10300096)
STAINLESS STEEL



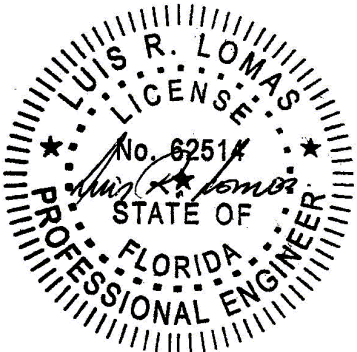
REINFORCEMENT (10300083)
ALUMINUM 6005-T5, 6061-T6 OR 6105-T5



GLAZING BED (10005470)
EXTRUDED VINYL

ACADIAN WINDOWS AND SIDING, LLC 119 ALPHA DRIVE DESTREHAN, LA 70047		
ACADIAN WINDOWS IMPACT SERIES DOUBLE HUNG 48" X 72" COMPONENTS		
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