

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 REQUIRED 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 DETAILS.
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 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. 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.
17. 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.
18. 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.
19. 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.
20. ALL FASTENERS TO BE CORROSION RESISTANT.
21. 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:
 - 21.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 21.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 21.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000 MINIMUM.
 - 21.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM

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ACADIAN WINDOWS AND SIDING, LLC

119 ALPHA DRIVE
DESTREHAN, LA 70047

ACADIAN WINDOWS IMPACT SERIES SINGLE HUNG
53" X 72"
NOTES

DRAWN:
A.R.

DWG NO.
08-04063

REV
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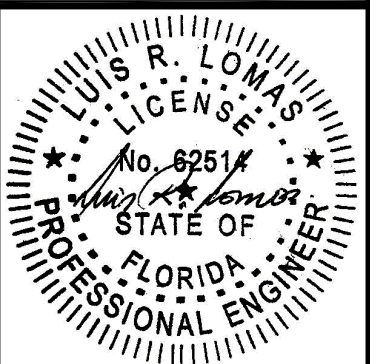
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SHEET 1 OF 8

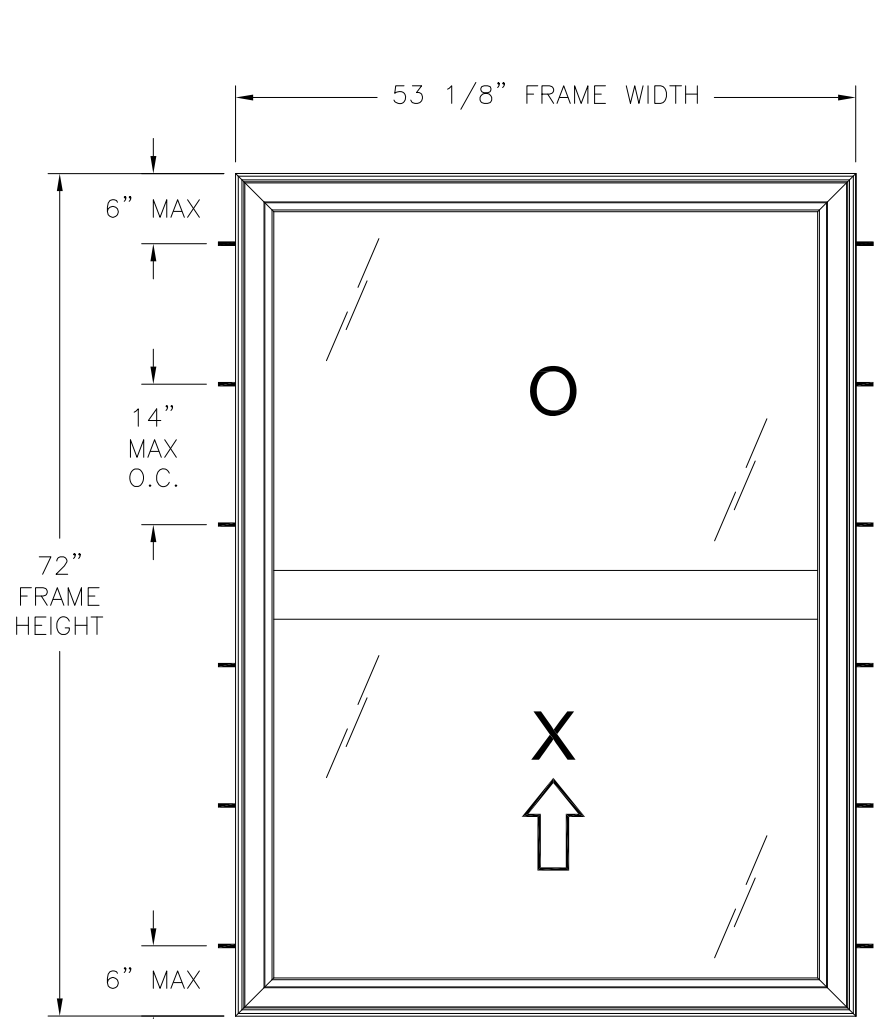
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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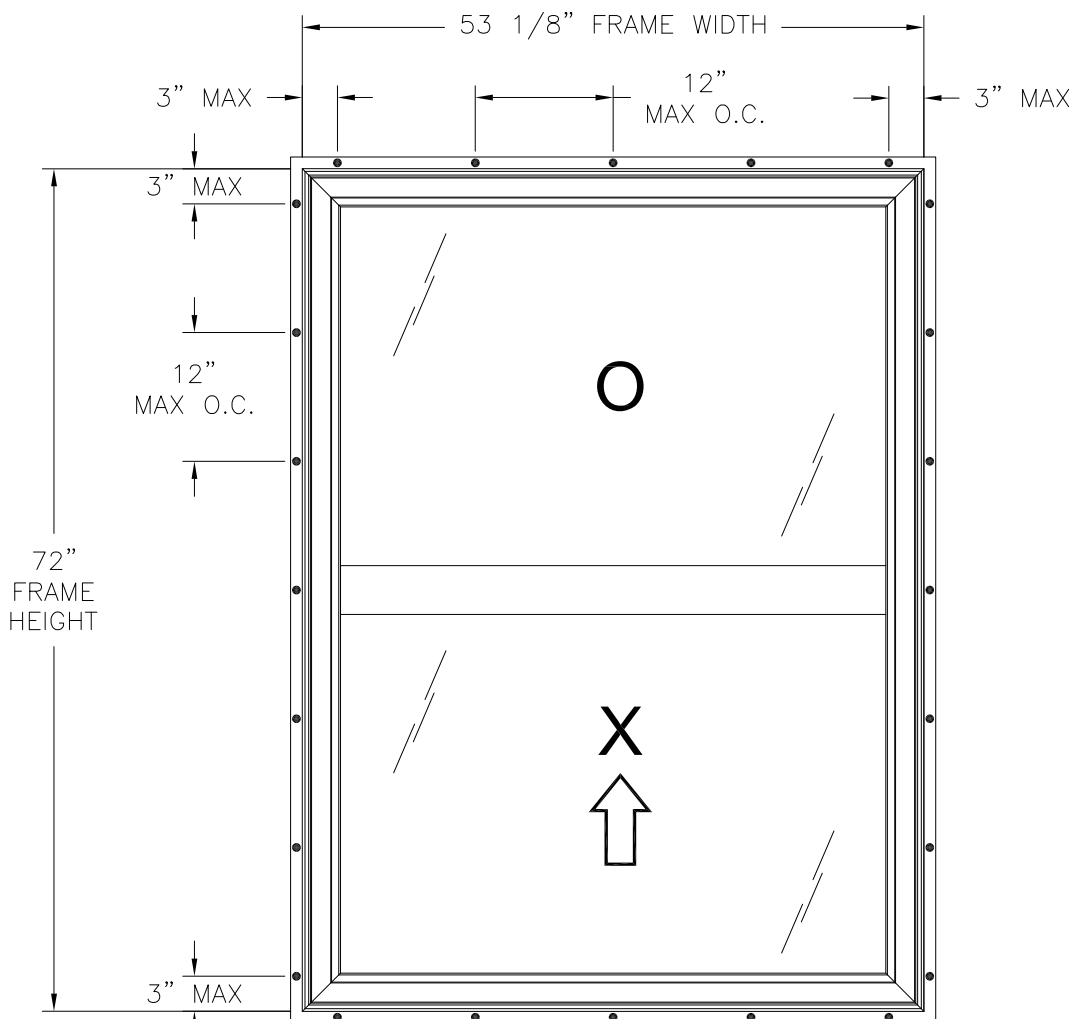


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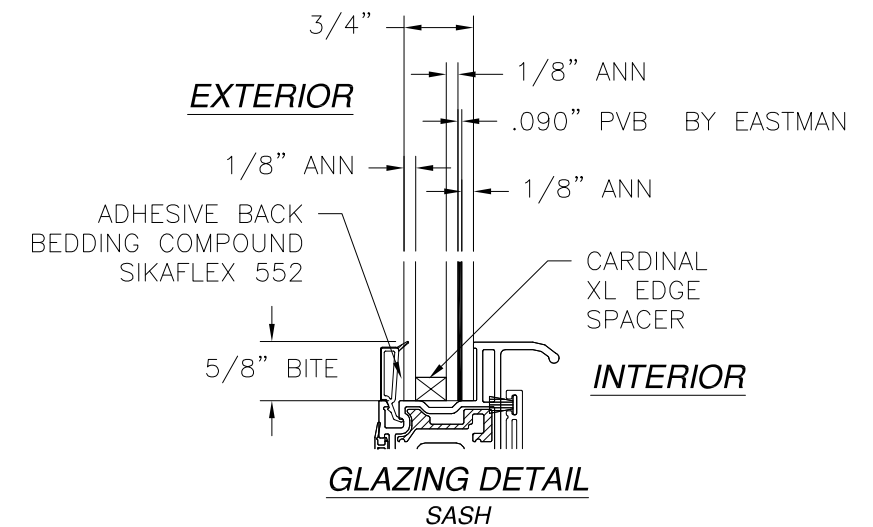
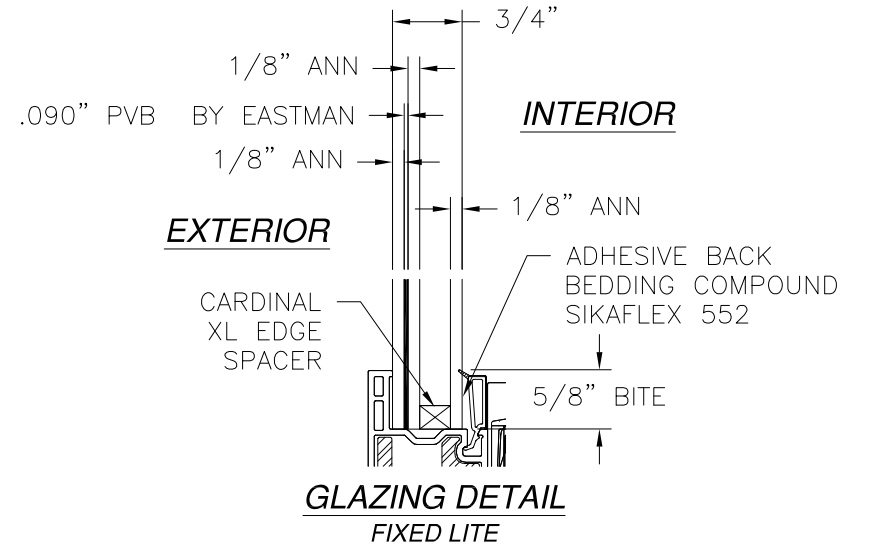
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ACADIAN WINDOWS IMPACT SERIES SINGLE HUNG
EXTERIOR VIEW
FINLESS INSTALLATION



ACADIAN WINDOWS IMPACT SERIES SINGLE HUNG
EXTERIOR VIEW
FIN INSTALLATION



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

MISSILE LEVEL D, WIND ZONE 4

53 1/8" X 72" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 26.56 FT²

NOTES:

1. FIXED LITE SIZE: 51" X 34 1/2"
2. ACTIVE SASH: 50 1/2" X 35 1/2"
3. FIXED D.L.O.: 48 1/8" X 32 5/8"
4. ACTIVE D.L.O.: 47 1/2" X 32 5/8"

HARDWARE SCHEDULE

A.	(2) BSI SPRING LOADED BALANCE SYSTEM ONE PER JAMB
B.	(2) METALLIC TILT LATCH SPRING LOADED 1 1/2" C/L FROM EACH SASH TOP RAIL CORNER
C.	(2) ALUMINUM IMPACT CLIP REINFORCEMENTS 1 1/2" EACH SASH TOP RAIL CORNER
D.	(2) CAST CAM LOCKS 8" FROM EACH JAMB CORNER ON SASH TOP RAIL
E.	ALUMINUM REINFORCEMENT 10300084 IN FIXED MEETING RAIL
F.	ALUMINUM REINFORCEMENT 10300082 IN ACTIVE SASH STILES AND RAIL
G.	U ALUMINUM REINFORCEMENT 10300096 IN SILL
H.	(4) STAINLESS STEEL SILL INTERLOCKS, (2) AT BOTTOM LIFT RAIL AND (2) AT FRAME SILL EXTERIOR LEG

ACADIAN WINDOWS AND SIDING, LLC

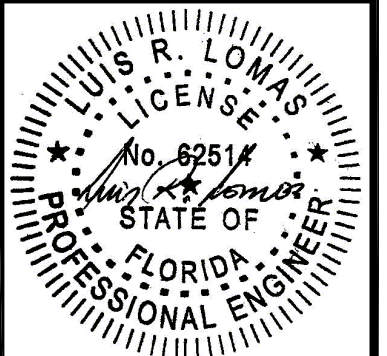
119 ALPHA DRIVE
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ACADIAN WINDOWS IMPACT SERIES SINGLE HUNG
53" X 72"
ELEVATIONS AND GLAZING DETAIL

DRAWN: A.R.	DWG NO. 08-04063	REV -
SCALE NTS	DATE 06/03/2024	SHEET 2 OF 8

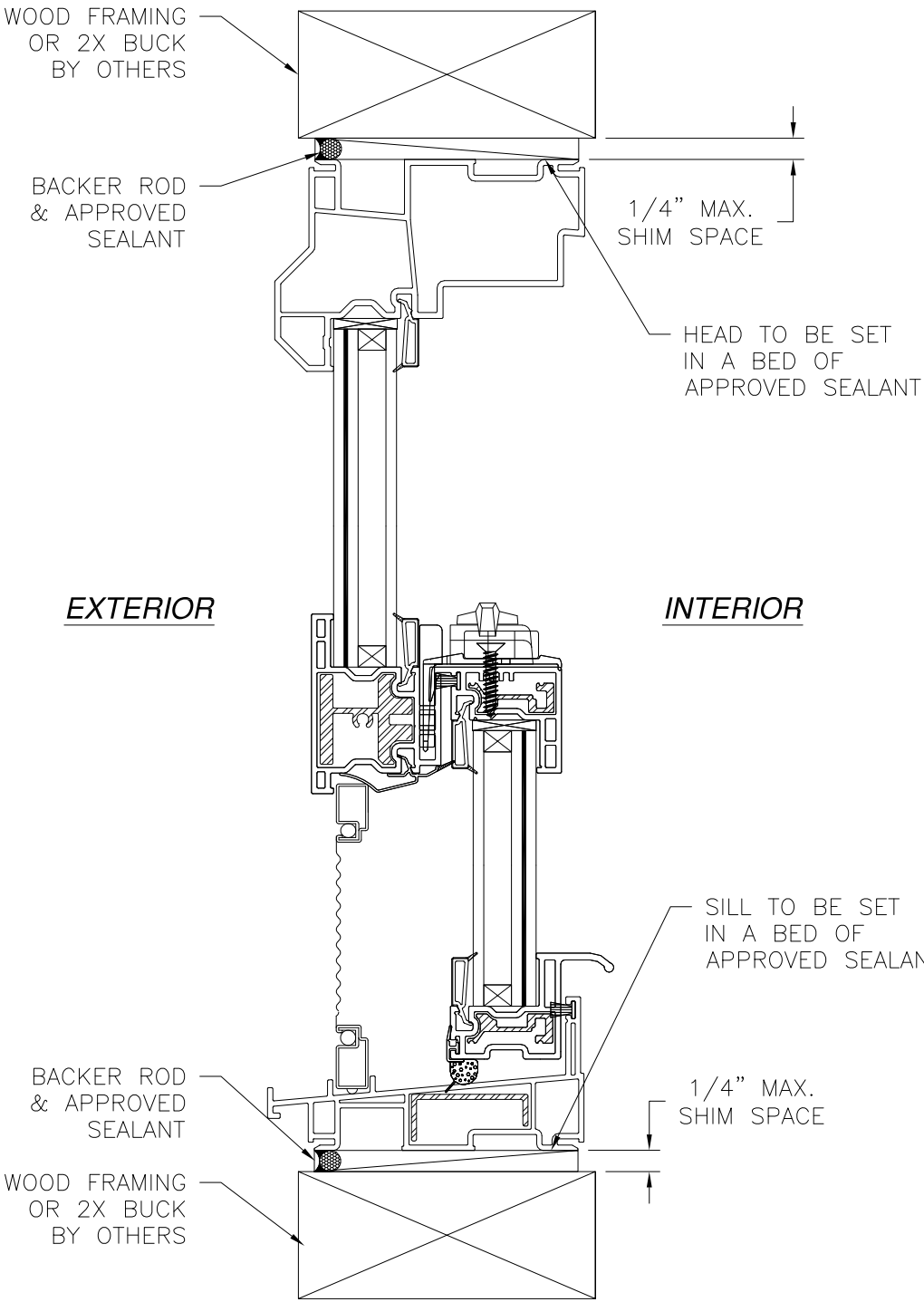
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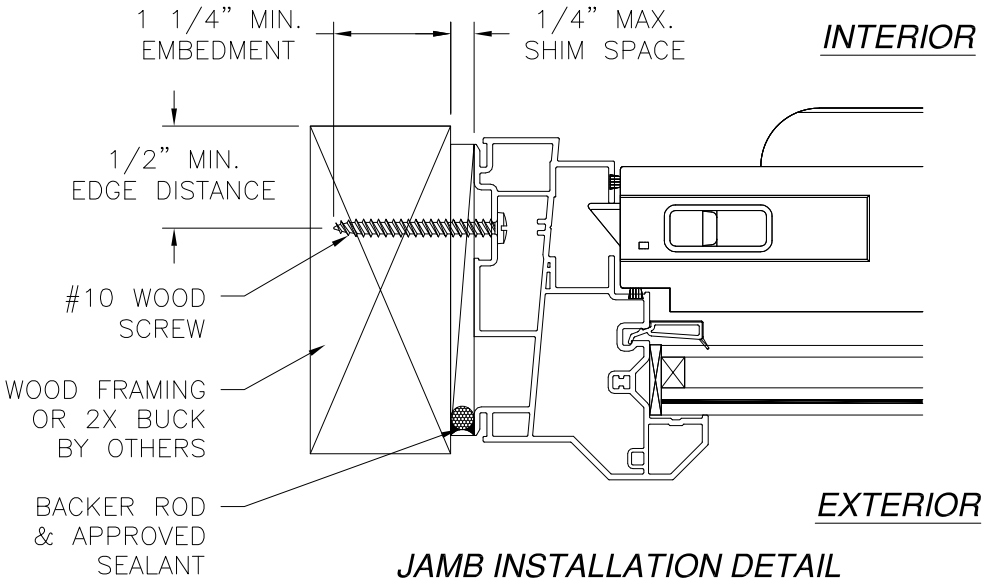


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

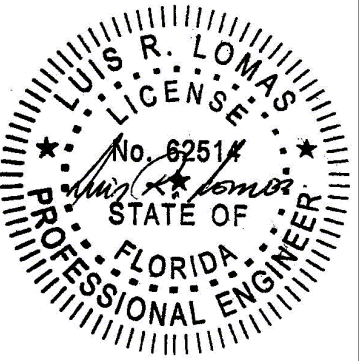


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

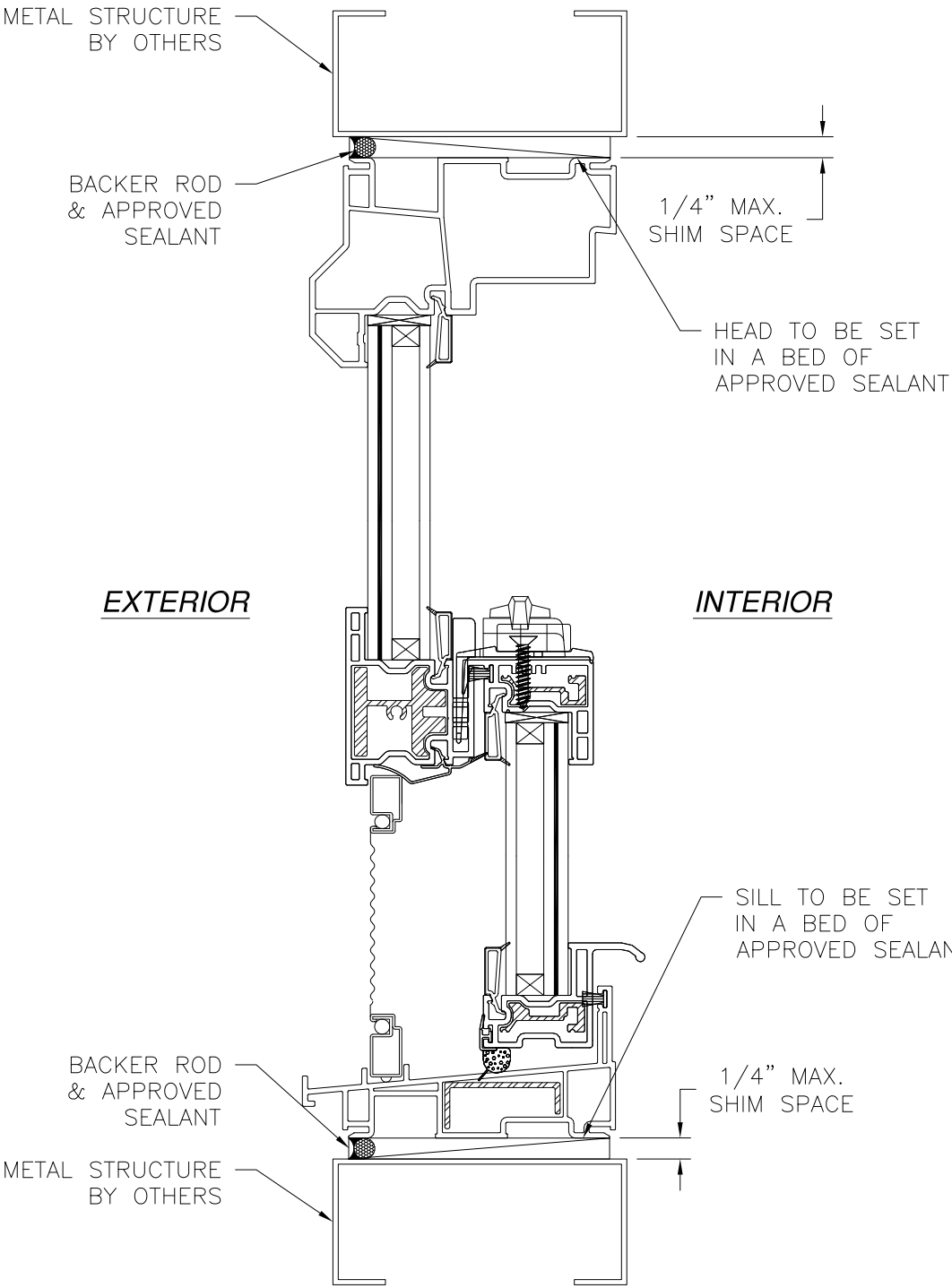
ACADIAN WINDOWS AND SIDING, LLC 119 ALPHA DRIVE DESTREHAN, LA 70047		
ACADIAN WINDOWS IMPACT SERIES SINGLE HUNG 53" X 72" INSTALLATION DETAILS		
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SCALE NTS	DATE 06/03/2024	SHEET 3 OF 8
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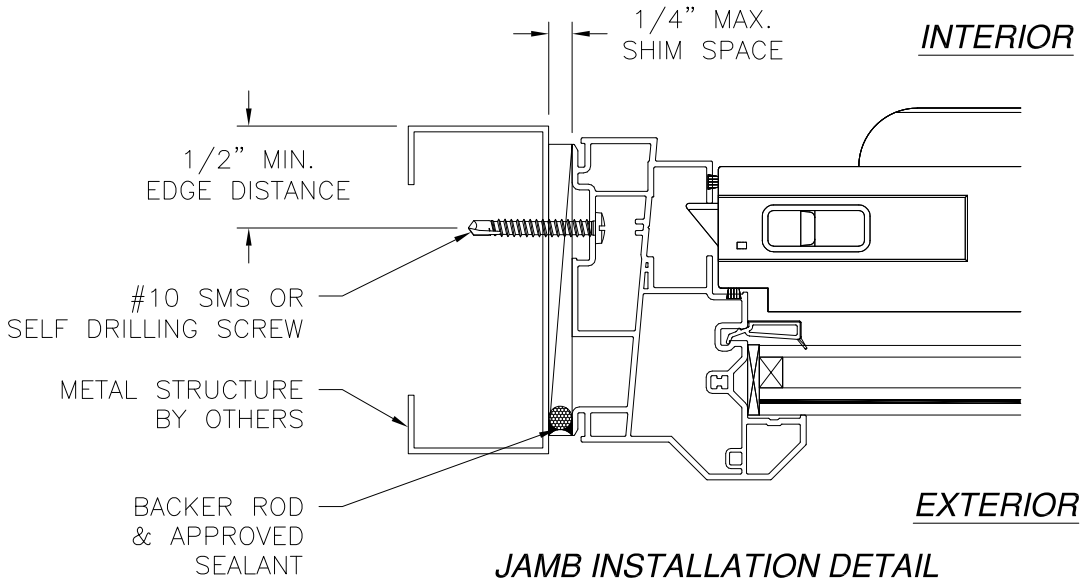


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

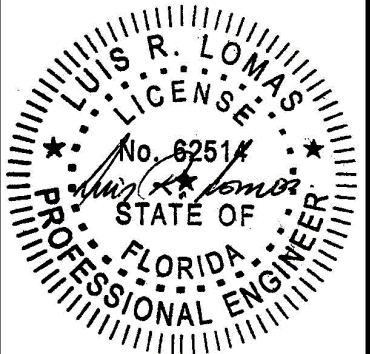


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:
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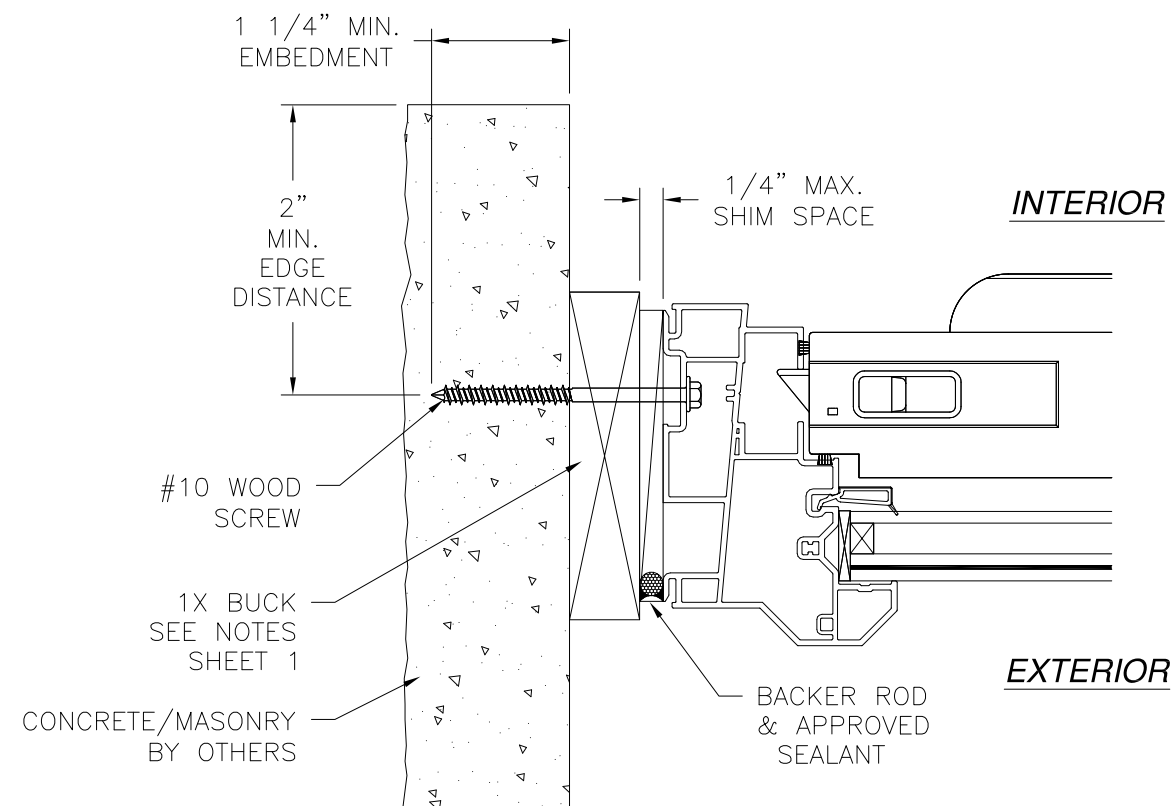
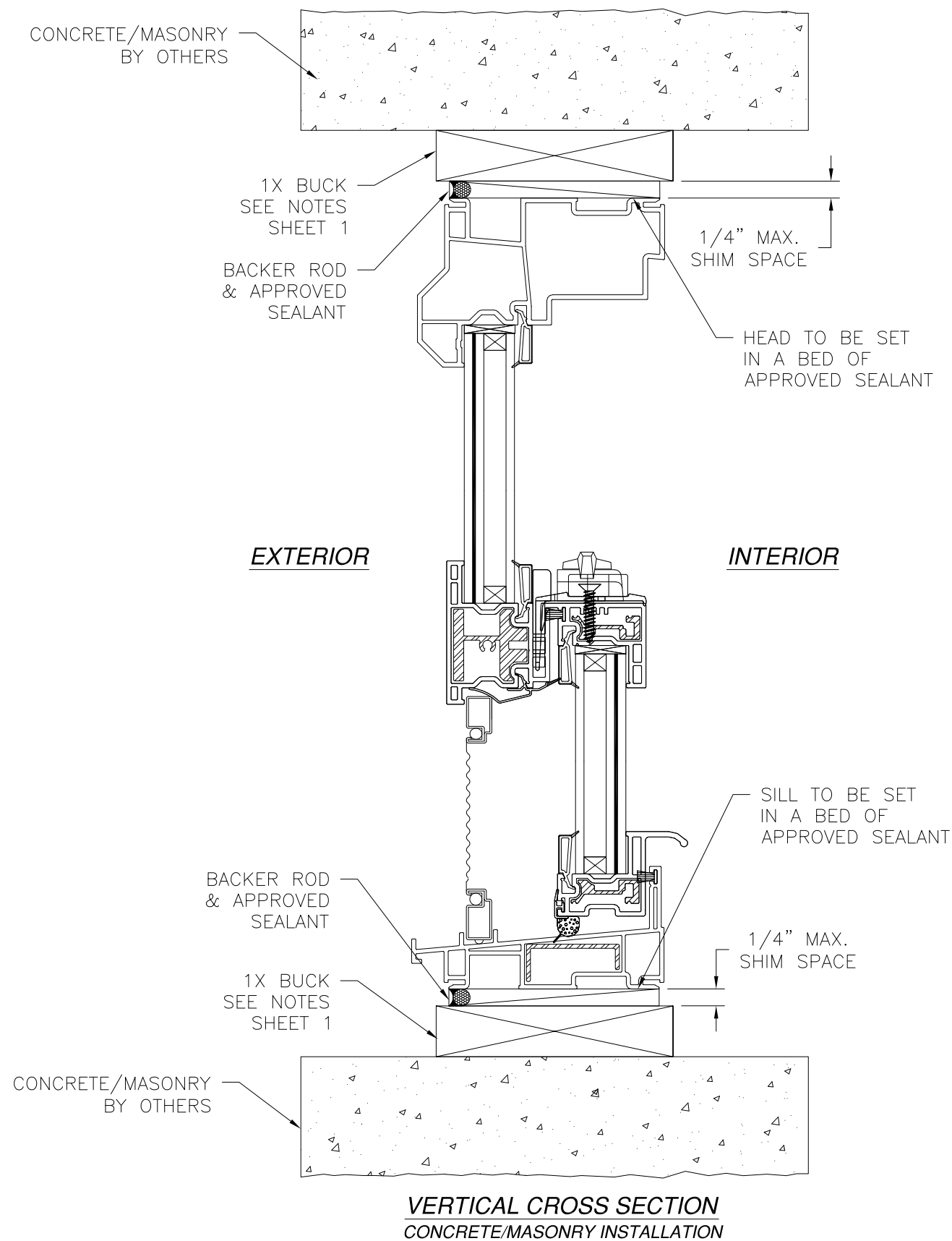
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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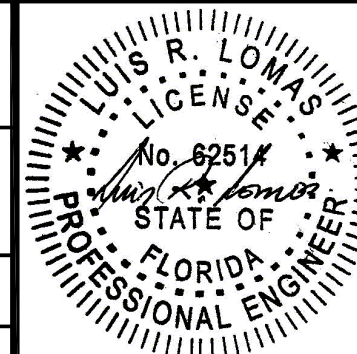
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APPROVED SEALANT
BEHIND FIN
BY OTHERS

#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
BY OTHERS

1 1/4" MIN.
EMBEDMENT

WOOD
FRAMING
BY OTHERS

1/4" MAX
SHIM SPACE

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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WOOD FRAMING
BY OTHERS

#8 WOOD
SCREW

1 1/4" MIN.
EMBEDMENT

APPROVED SEALANT
BEHIND FIN
BY OTHERS.

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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STATE OF
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PROFESSIONAL ENGINEER

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

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APPROVED SEALANT
BEHIND FIN
BY OTHERS

#8 SMS OR
SELF DRILLING SCREW

7/16" MIN
EDGE DISTANCE

METAL STRUCTURE
BY OTHERS

1/4" MAX.
SHIM SPACE

EXTERIOR

INTERIOR

7/16" MIN
EDGE DISTANCE

#8 SMS OR
SELF DRILLING SCREW

APPROVED SEALANT
BEHIND FIN
BY OTHERS

METAL STRUCTURE
BY OTHERS

1/4" MAX
SHIM SPACE

VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

METAL STRUCTURE
BY OTHERS

1/4" MAX
SHIM SPACE

#8 SMS OR
SELF DRILLING SCREW

APPROVED SEALANT
BEHIND FIN
BY OTHERS.

7/16" MIN
EDGE DISTANCE

INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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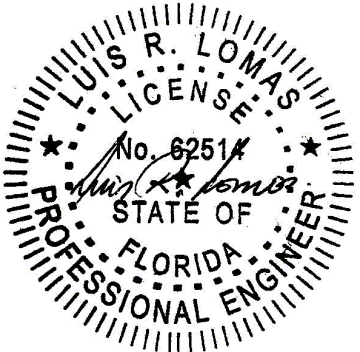
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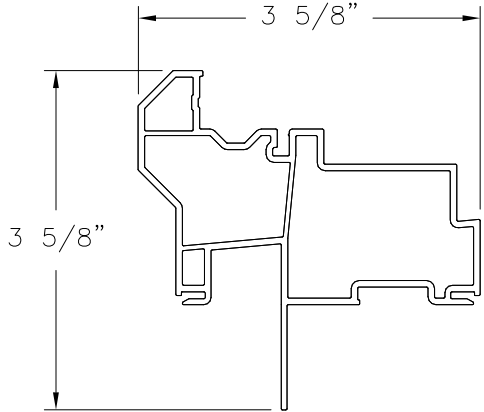
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7 OF 8

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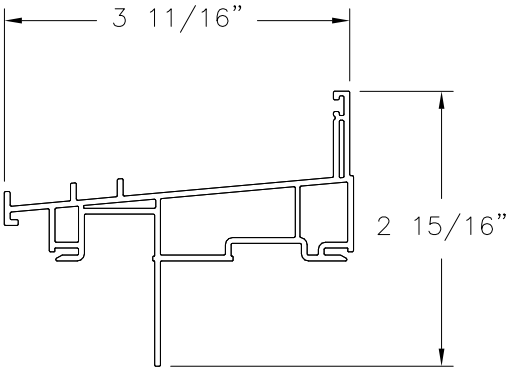


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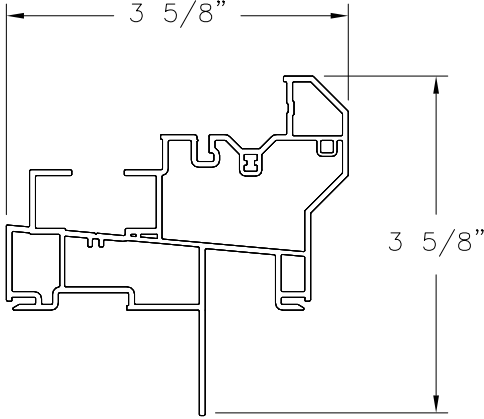
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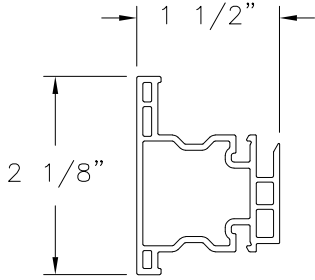
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VINYL PVC



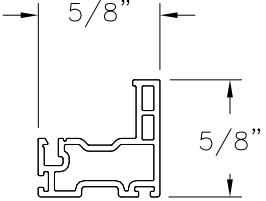
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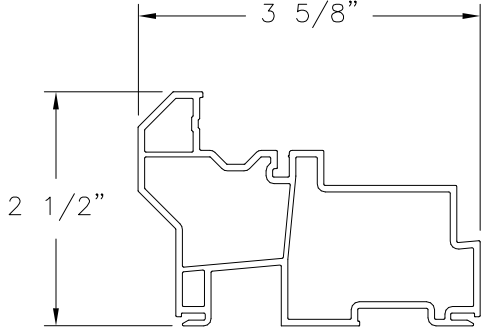
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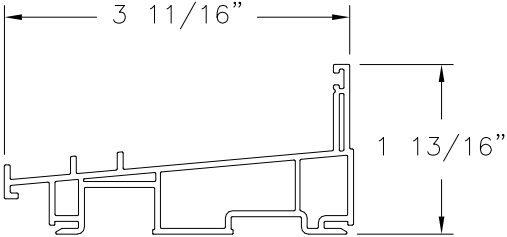
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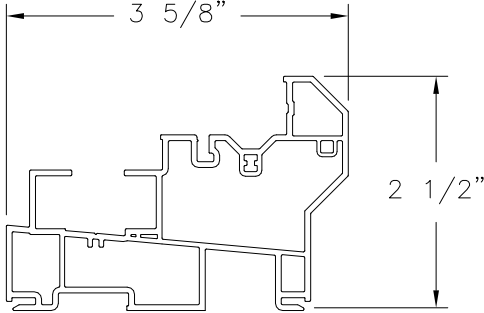
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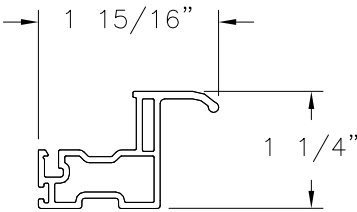
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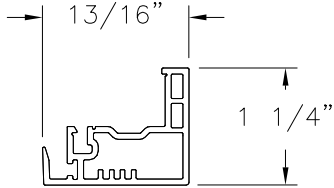
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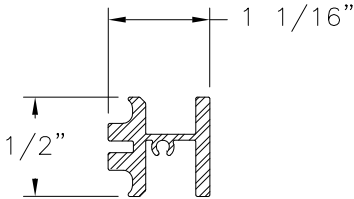
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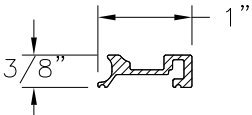
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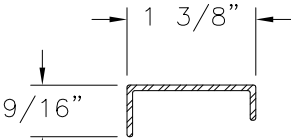
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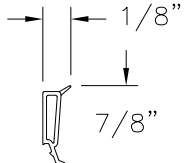
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REINFORCEMENT (10300082)
ALUMINUM 6063-T5



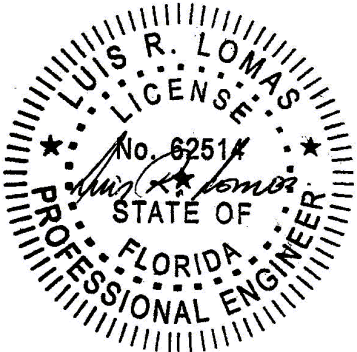
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ACADIAN WINDOWS AND SIDING, LLC 119 ALPHA DRIVE DESTREHAN, LA 70047		
ACADIAN WINDOWS IMPACT SERIES SINGLE HUNG 53" X 72" COMPONENTS		
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