

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED TO CURRENT FBC	9/12/2025	LMH

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING 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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. 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.
5. 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.
6. 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.
7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION 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”.
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE 6D COMMON NAILS WITH SUFFICIENT LENGTH TO ACHIEVE A 1–1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. 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:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

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

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

D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .125” THICK MINIMUM
20. FLANGE IS USED FOR INSTALLATION PURPOSES ONLY AND MAYBE REMOVED FOR BOX FRAME INSTALLATION.
21. ADD–ON SILL RISER MUST BE INSTALLED IN THIS PRODUCT IN ORDER TO MAINTAIN DESIGN PRESSURE RATING AS SHOWN HEREIN.

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EASTERN ARCHITECTURAL SYSTEMS

A DIVISION OF

CORNERSTONE BUILDING BRANDS

16341 DOMESTIC AVE

FORT MYERS, FL 33912

800-432-2204

SERIES HD2451/SERIES HD2461

SINGLE HUNG WINDOW NON–IMPACT 44” X 88”

NOTES

DRAWN: A.R.

DWG NO. 08–03686

REV A

SCALE NTS

DATE 01/13/21

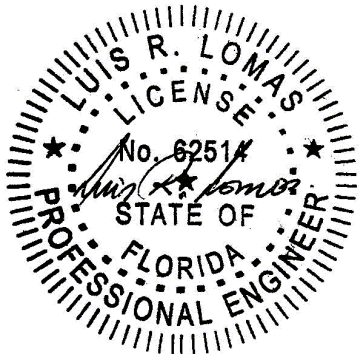
SHEET 1 OF 6

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

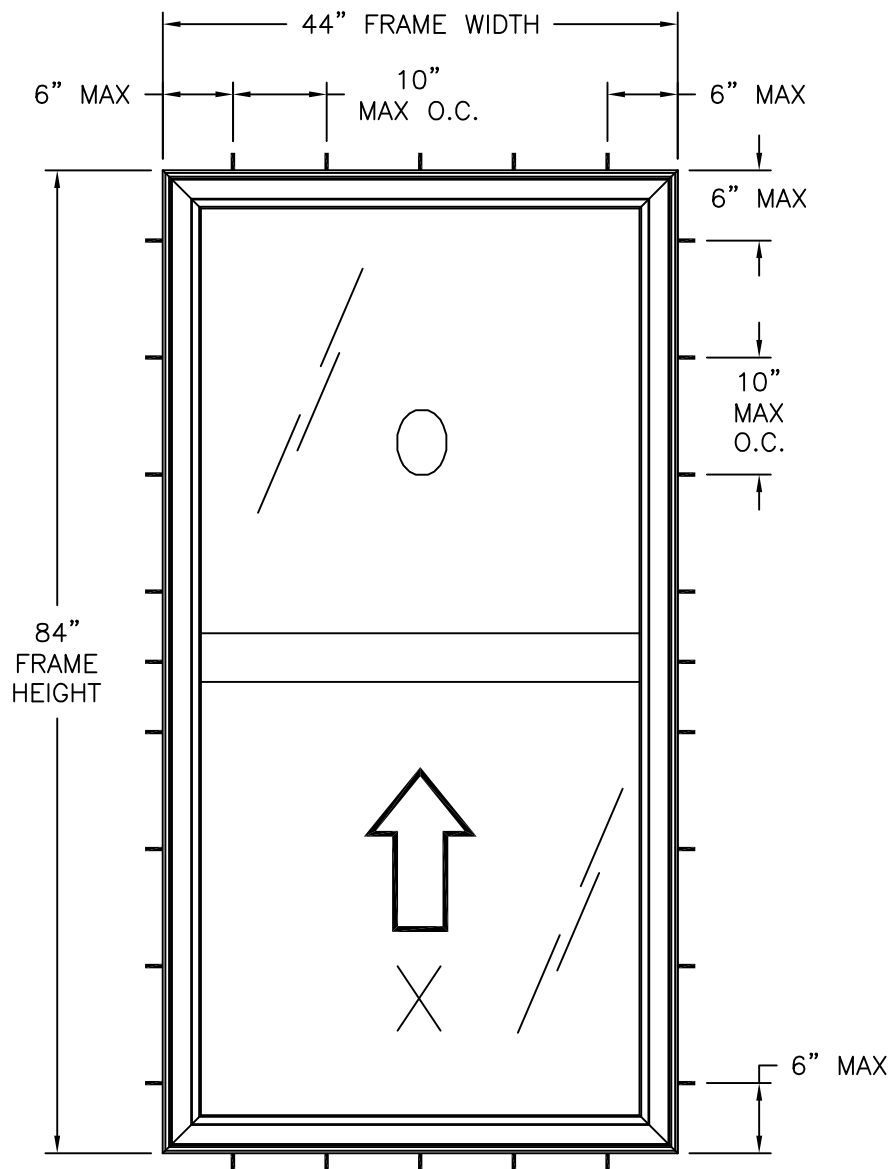
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 04/02/2026



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

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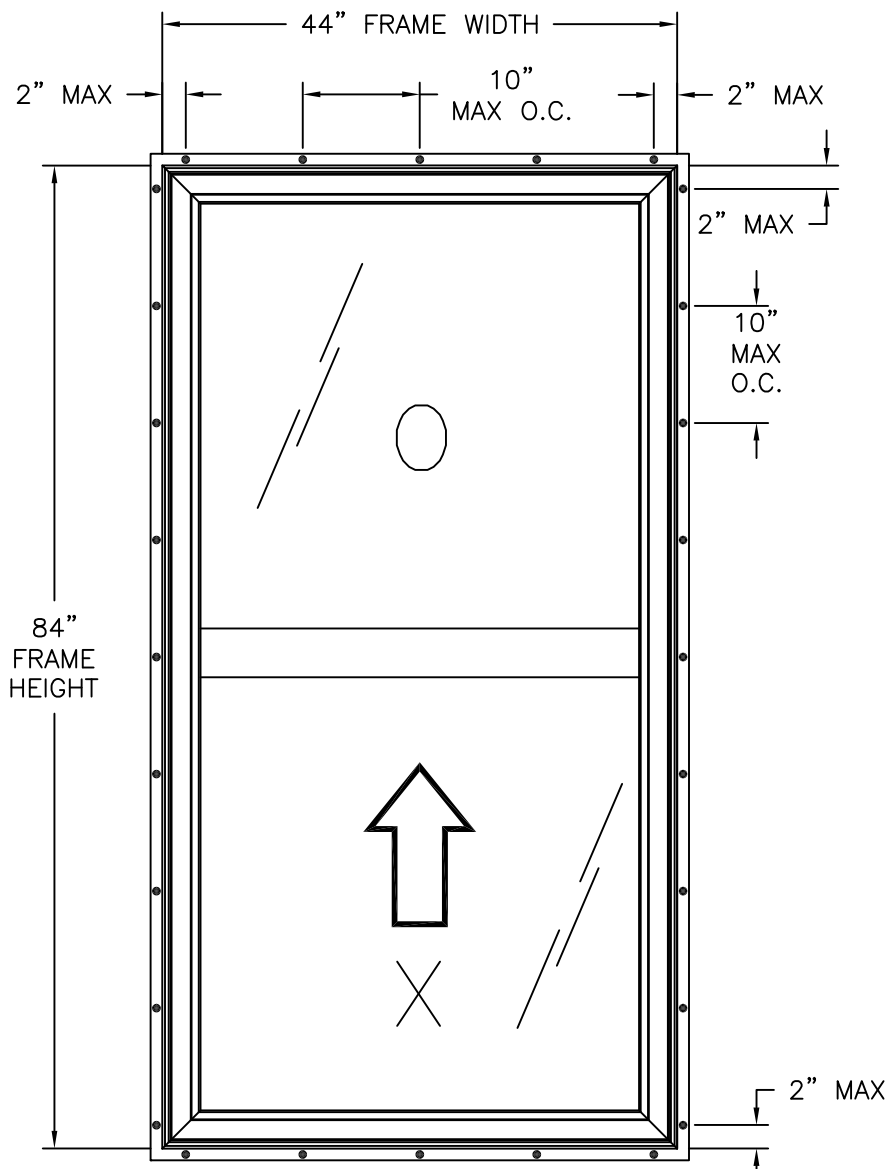


SERIES HD2461 SINGLE HUNG WINDOW

EXTERIOR VIEW
FRAME INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±65.0PSF	NONE

44" X 84" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 25.6 FT²



SERIES HD2451 SINGLE HUNG WINDOW

EXTERIOR VIEW
FIN INSTALLATION

NOTES:

- SASH SIZE: 40-7/8" X 35-1/8"
- FIXED D.L.O.: 39-3/16" X 44-3/4"
- SASH D.L.O.: 38-3/8" X 33-1/2"

HARDWARE SCHEDULE

A.	METALLIC CAM ACTION, 8" FROM EACH END OF SASH TOP RAIL WITH KEEPERS AT FIXED INTERLOCK
B.	METALLIC SPRING LOADED TILT LATCH AT EACH END OF SASH TOP RAIL
C.	METALLIC PIVOT BAR AT EACH END OF SASH BOTTOM RAIL
D.	METAL SNUBBERS LOCATED AT UNDERSIDE OF BOTTOM RAIL AND FRAME SILL FROM EACH END
E.	(1) TRIPLE SPRING COIL BALANCE PER JAMB FOR SASH OPERATION
F.	ALUMINUM REINFORCEMENT (10300082) AT SASH STILES, LIFT RAIL AND LOCK RAIL
G.	ALUMINUM REINFORCEMENT (10300084) AT FIXED MEETING RAIL
H.	ALUMINUM REINFORCEMENT (10300096) AT FRAME SILL

FL 16412



Eastern
ARCHITECTURAL SYSTEMS
ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

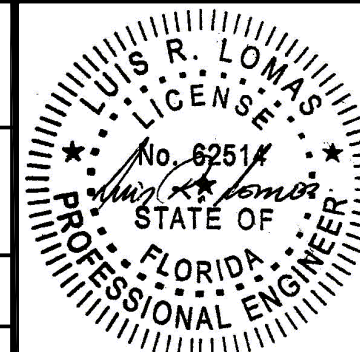
EASTERN ARCHITECTURAL SYSTEMS
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16341 DOMESTIC AVE
FORT MYERS, FL 33912
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**SERIES HD2451/SERIES HD2461
SINGLE HUNG WINDOW NON-IMPACT 44" X 88"
ELEVATIONS**

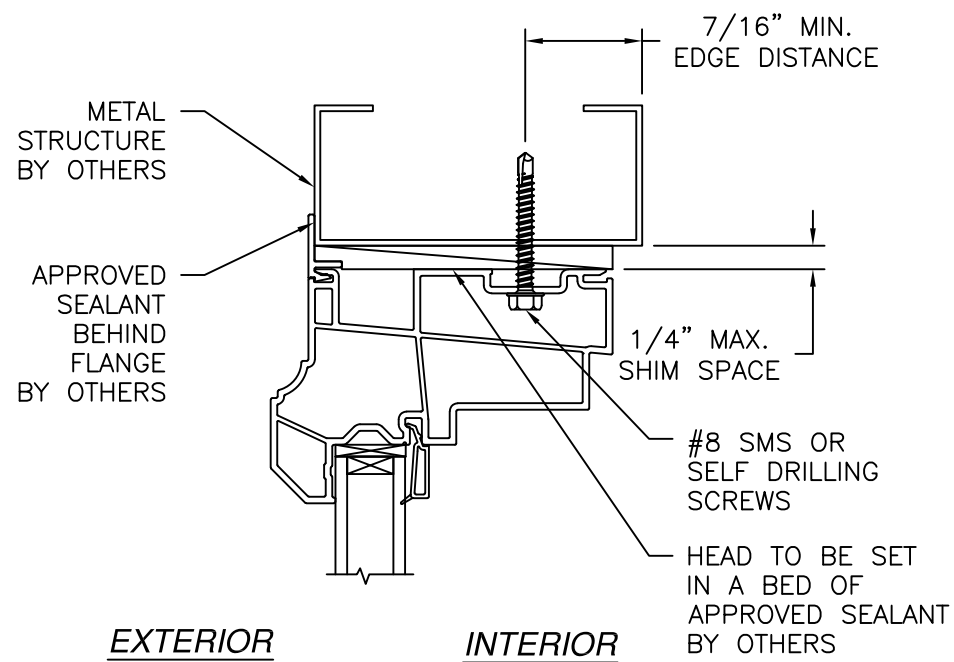
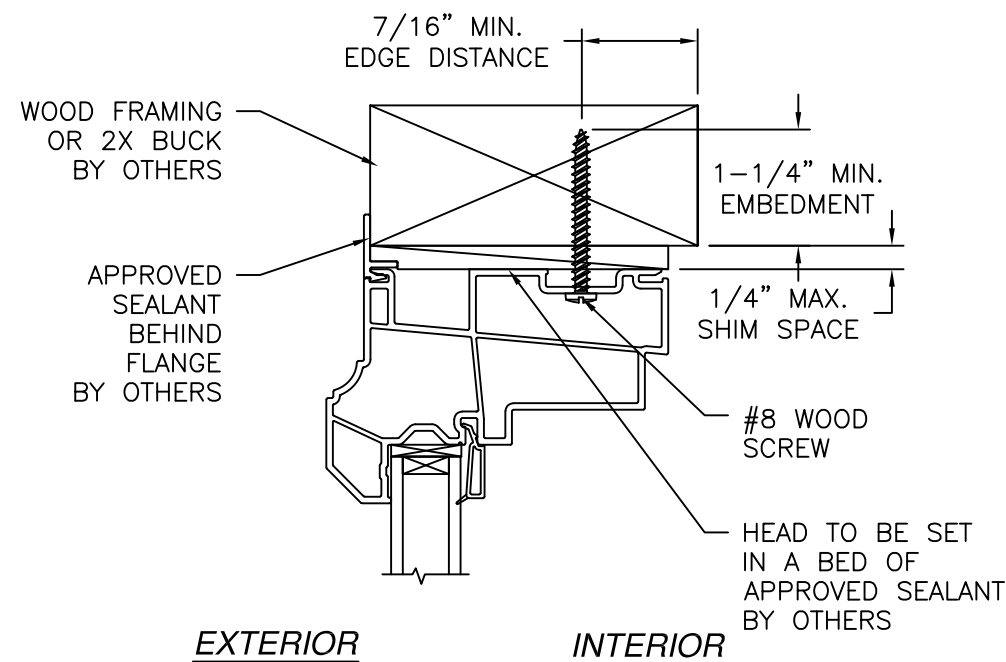
DRAWN: A.R.	DWG NO. 08-03686	REV A
SCALE NTS	DATE 01/13/21	SHEET 2 OF 6

L. ROBERTO LOMAS P.E.
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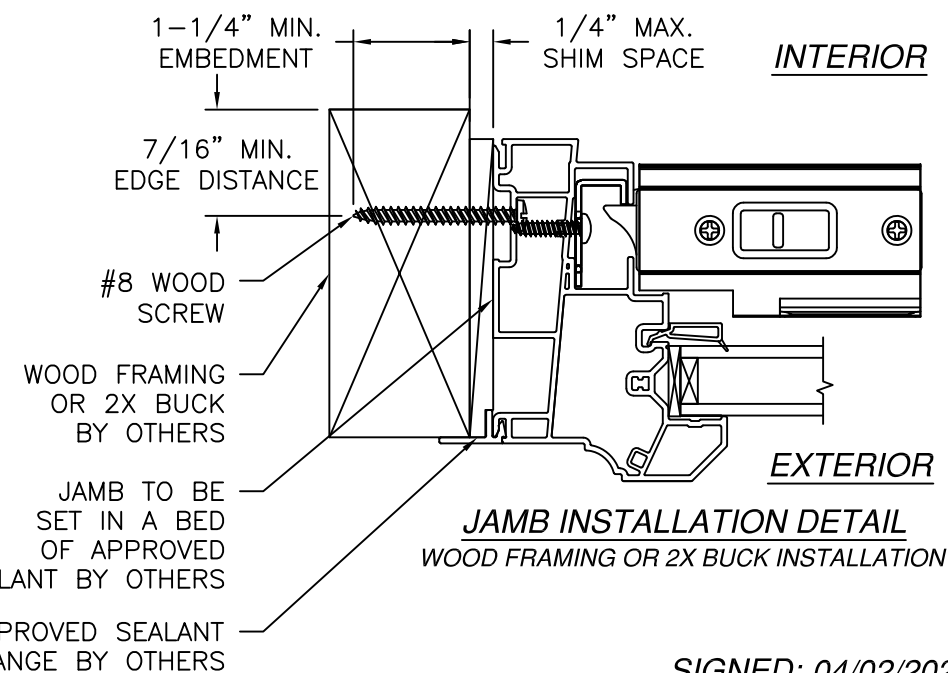
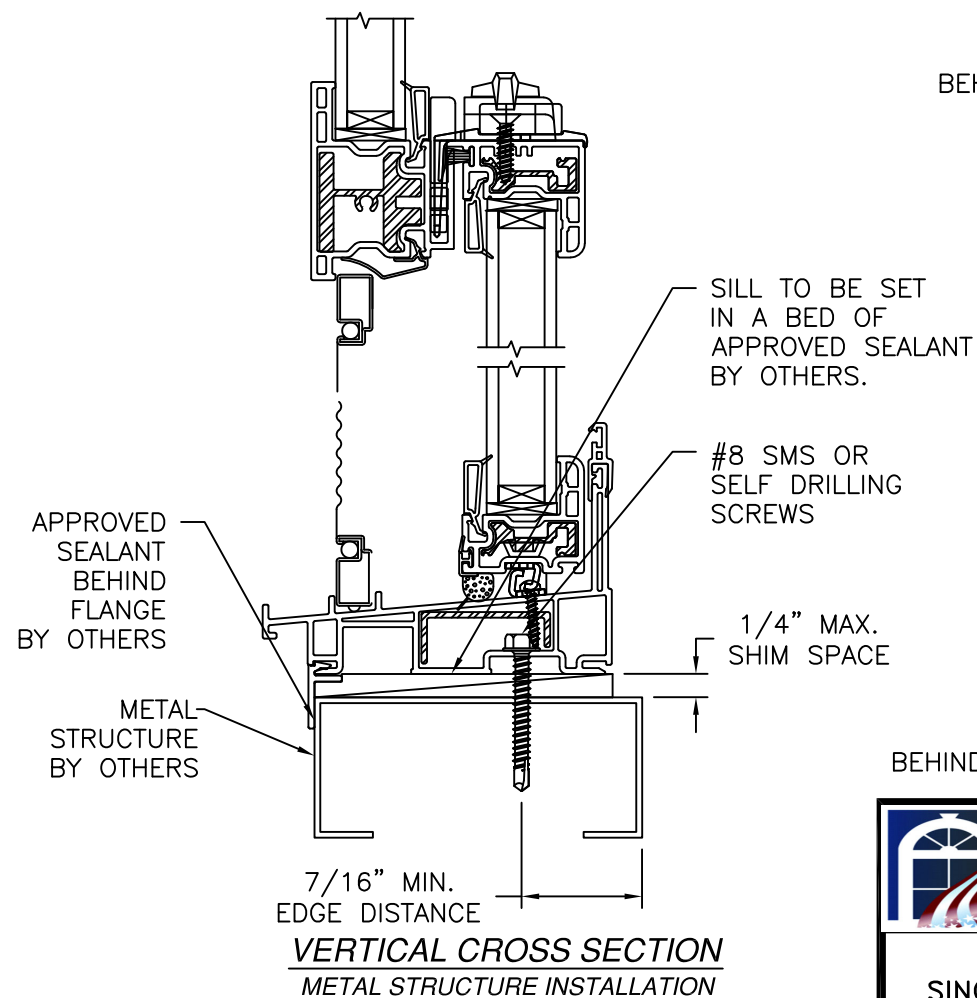
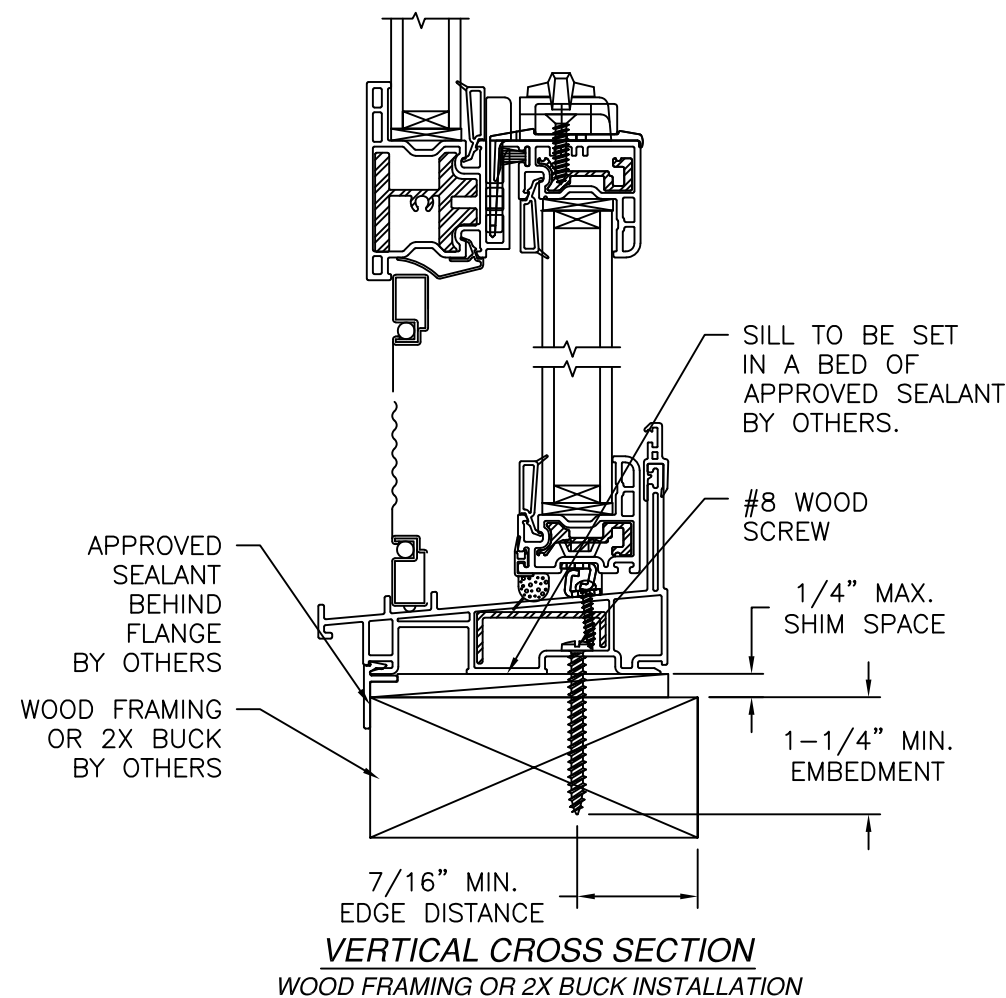
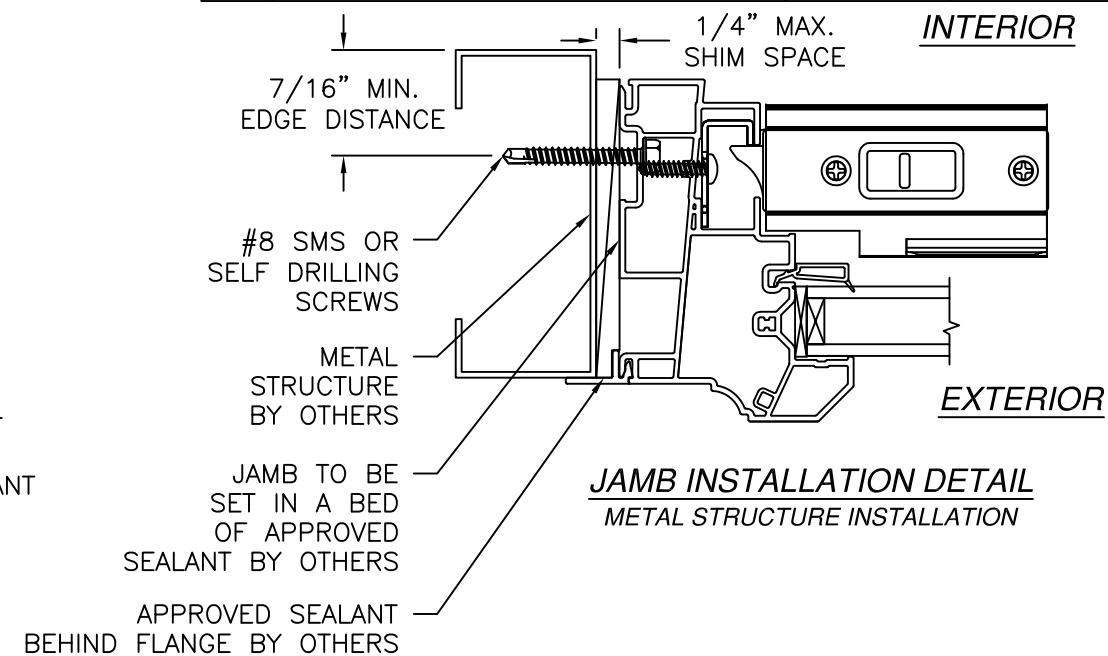
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Luis R. Lomas P.E.
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- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

FL 16412

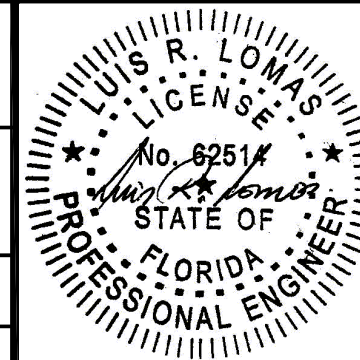


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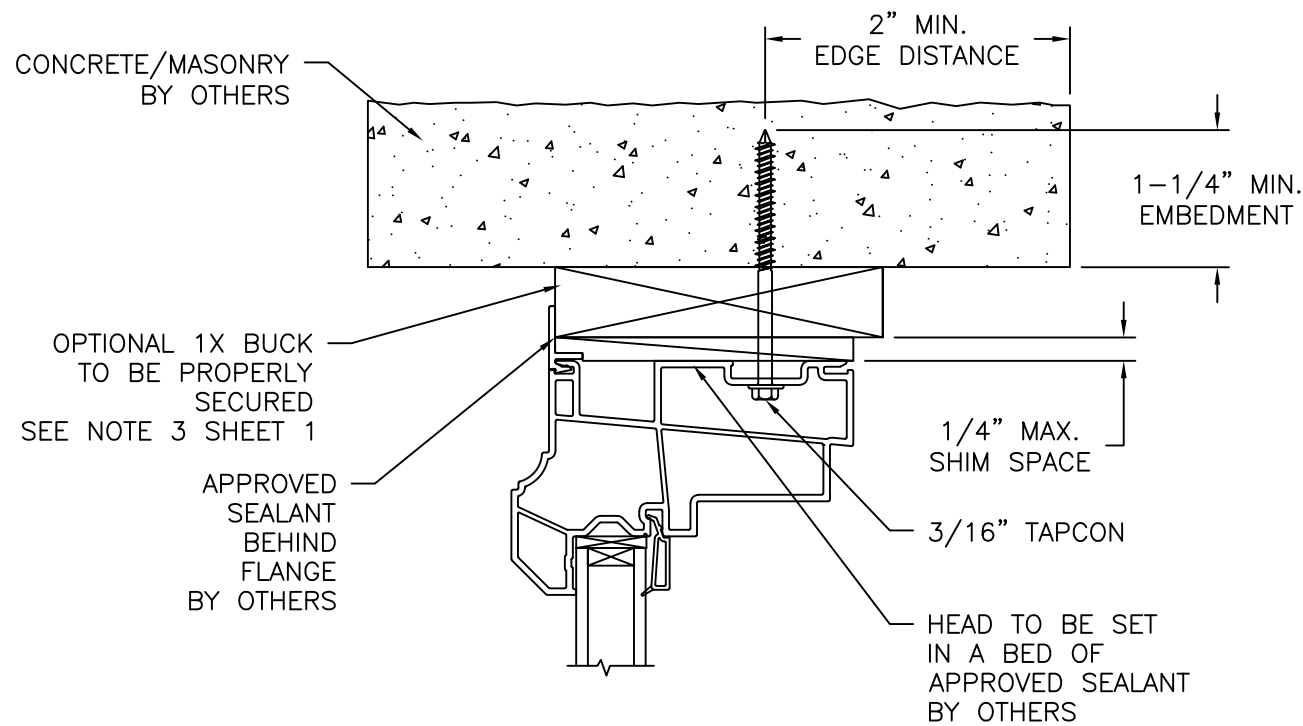
SERIES HD2451/SERIES HD2461
SINGLE HUNG WINDOW NON-IMPACT 44" X 88"
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03686	REV A
SCALE NTS	DATE 01/13/21	SHEET 3 OF 6

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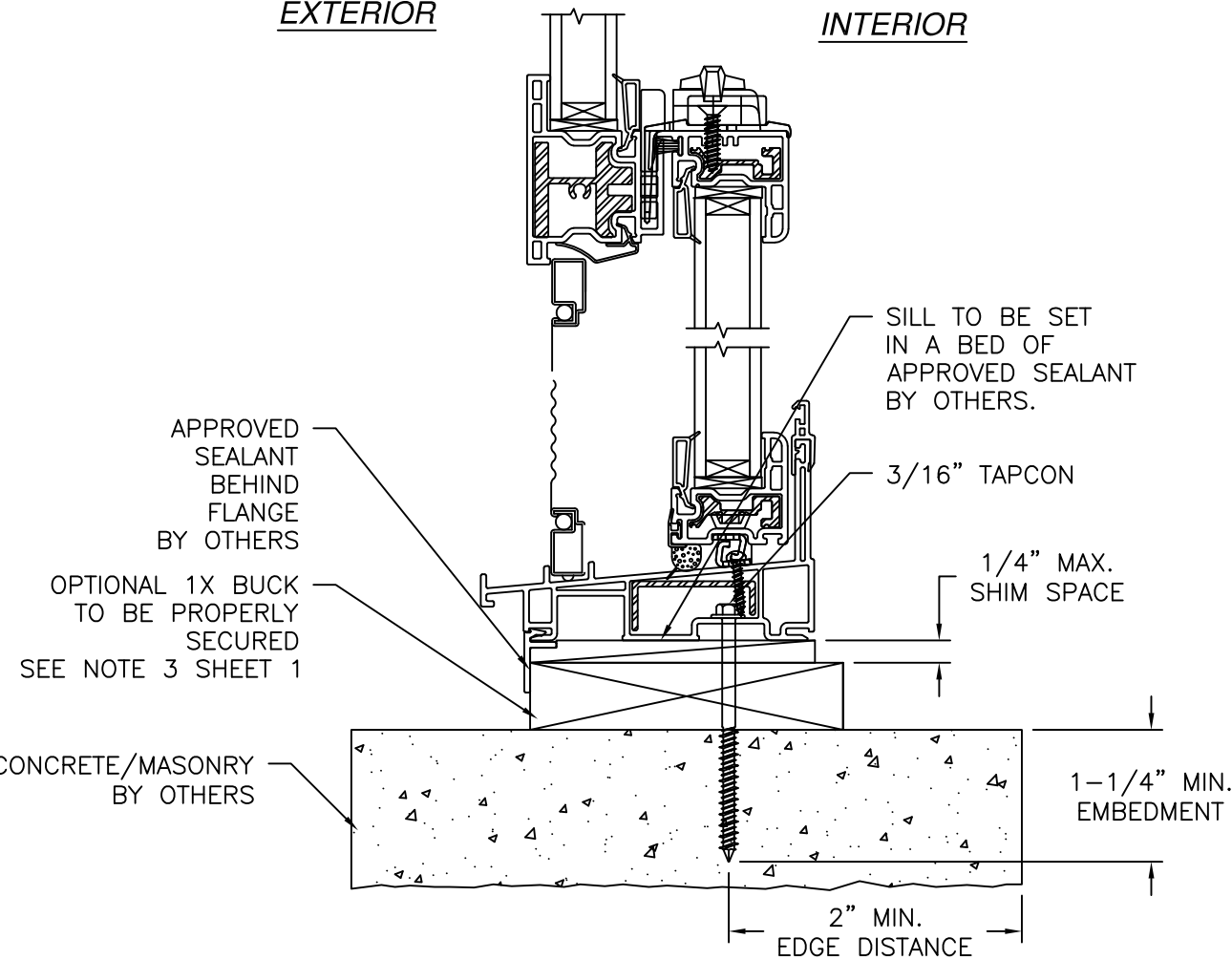


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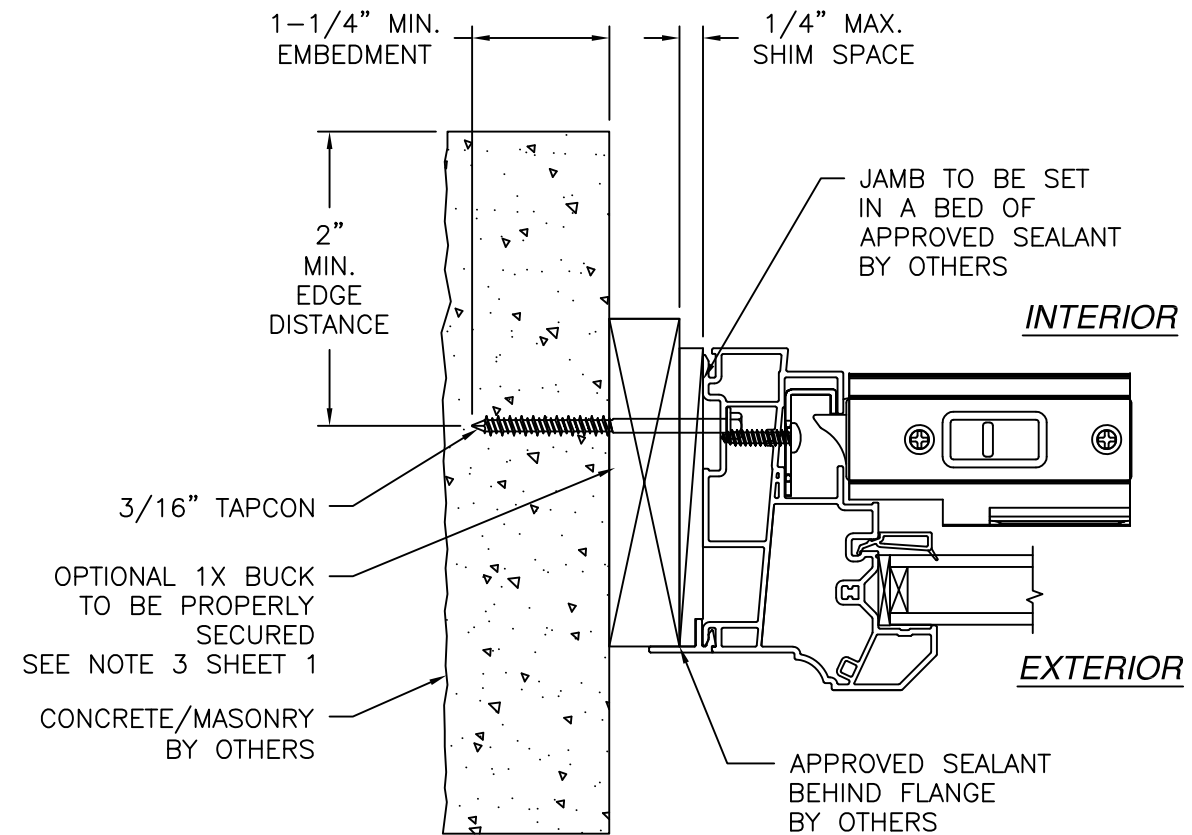
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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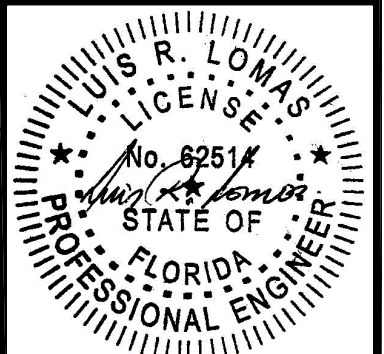
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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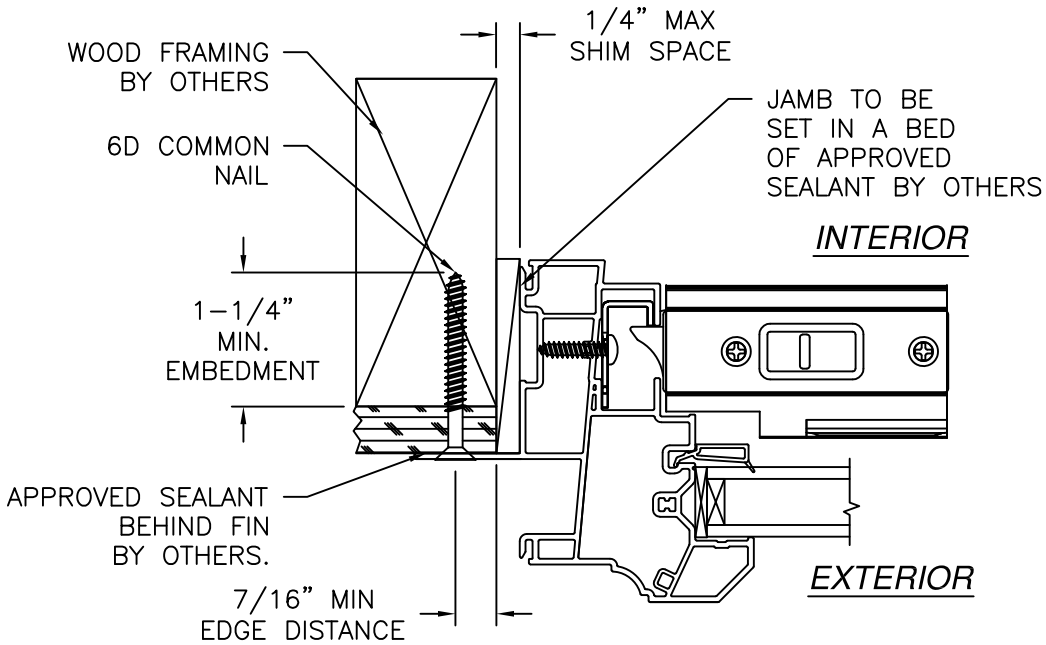
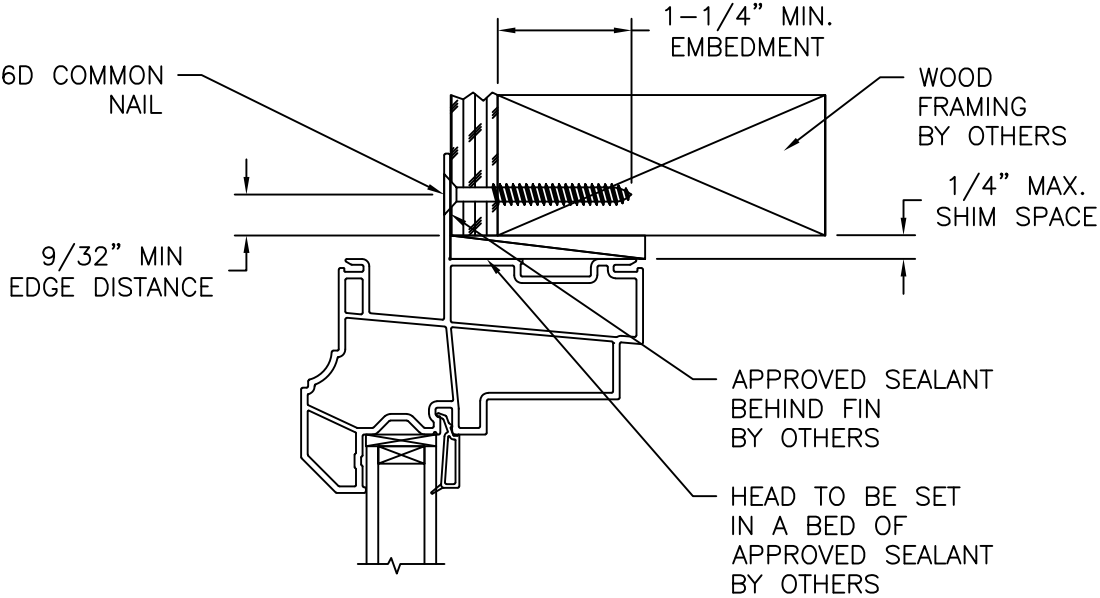
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			EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF CORNERSTONE BUILDING BRANDS 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204		
SERIES HD2451/SERIES HD2461 SINGLE HUNG WINDOW NON-IMPACT 44" X 88" INSTALLATION DETAILS					
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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FORT MYERS, FL 33912

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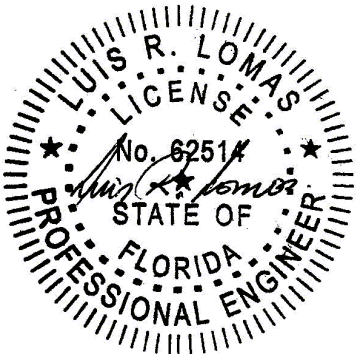
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SHEET 5 OF 6

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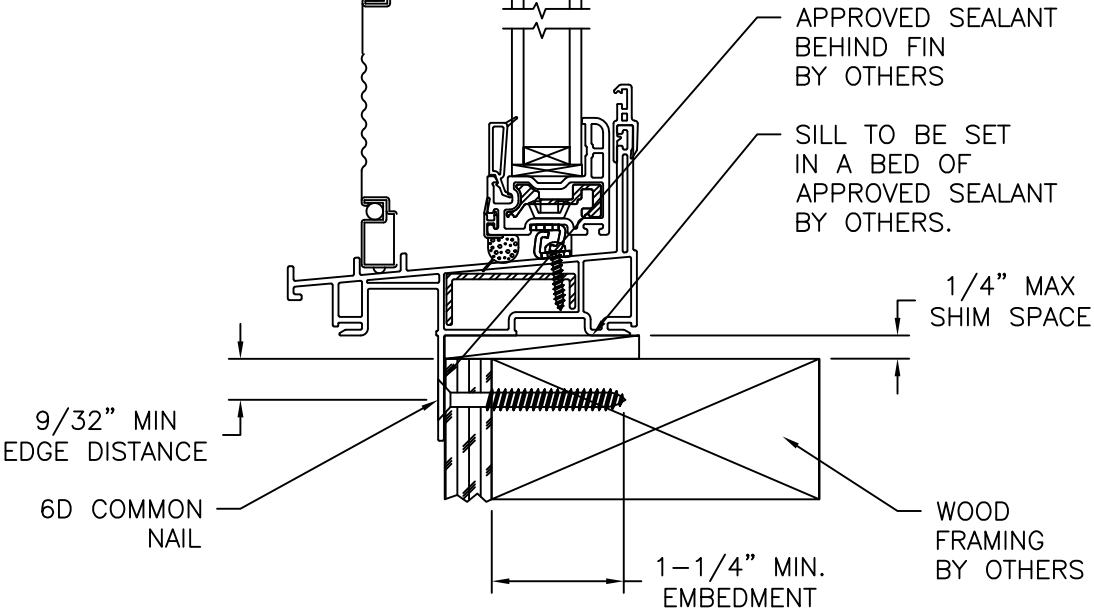
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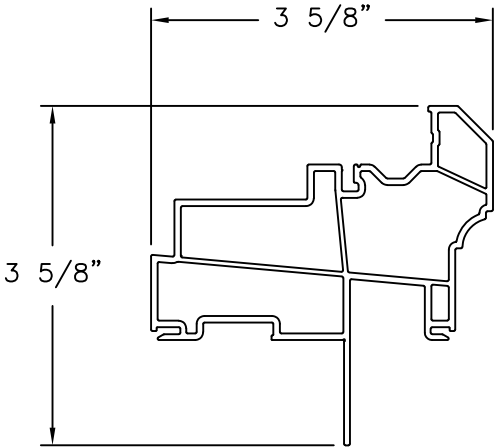


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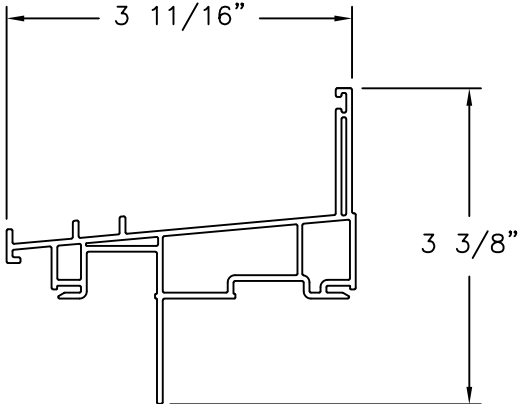
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



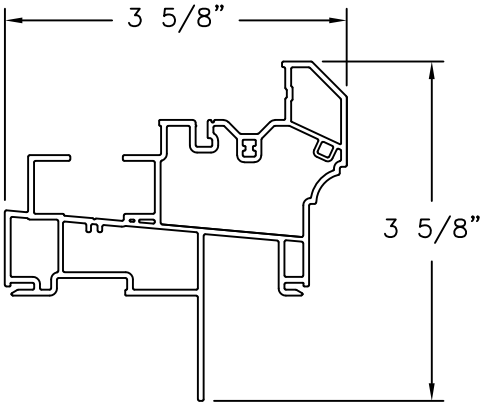
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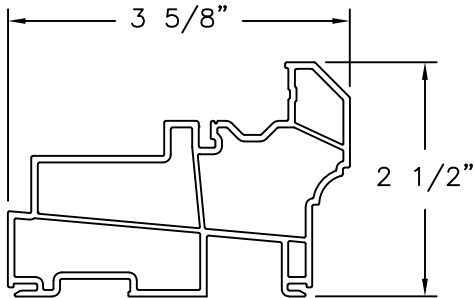
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EXTRUDED RIGID PVC



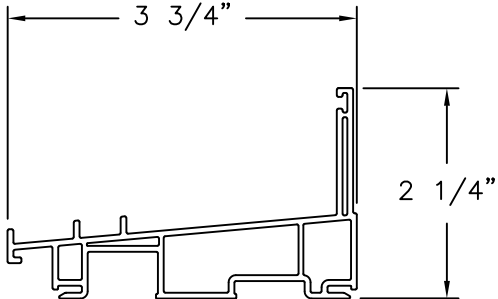
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EXTRUDED RIGID PVC



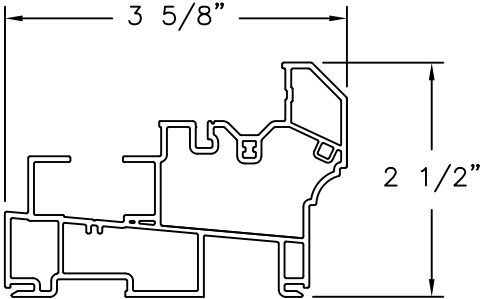
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FIN INSTALLATION
EXTRUDED RIGID PVC



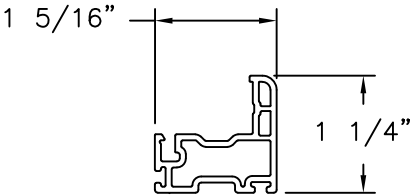
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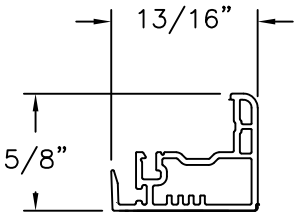
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EXTRUDED RIGID PVC



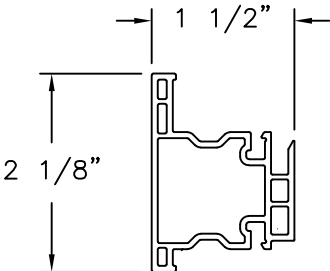
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EXTRUDED RIGID PVC



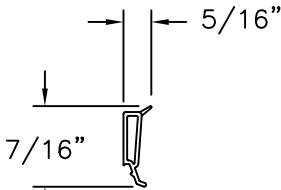
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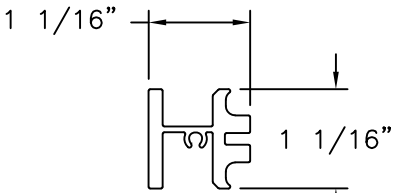
LOCK RAIL (8895)
EXTRUDED RIGID PVC



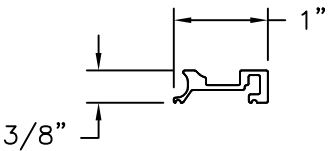
FIXED MEETING RAIL (8511)
EXTRUDED RIGID PVC



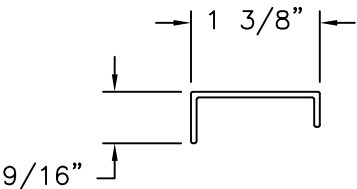
GLAZING BEAD (5470)
EXTRUDED RIGID PVC



REINFORCEMENT (10300084)
6005-T5 ALUMINUM, .062" THICKNESS



REINFORCEMENT (10300082)
6005-T5 ALUMINUM



REINFORCEMENT (10300096)

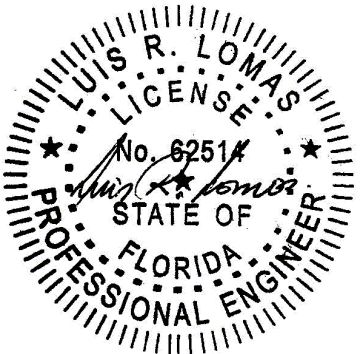


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SINGLE HUNG WINDOW NON-IMPACT 44" X 88"
COMPONENTS

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