

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	10/11/2021	R.L.

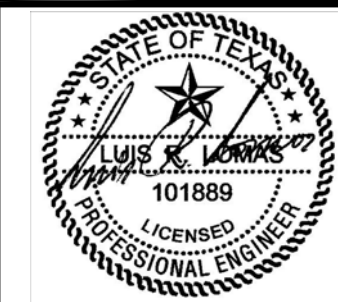
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2018 IBC AND 2018 IRC.
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. 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 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.
15. 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.
16. 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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 1/8" THICK MINIMUM

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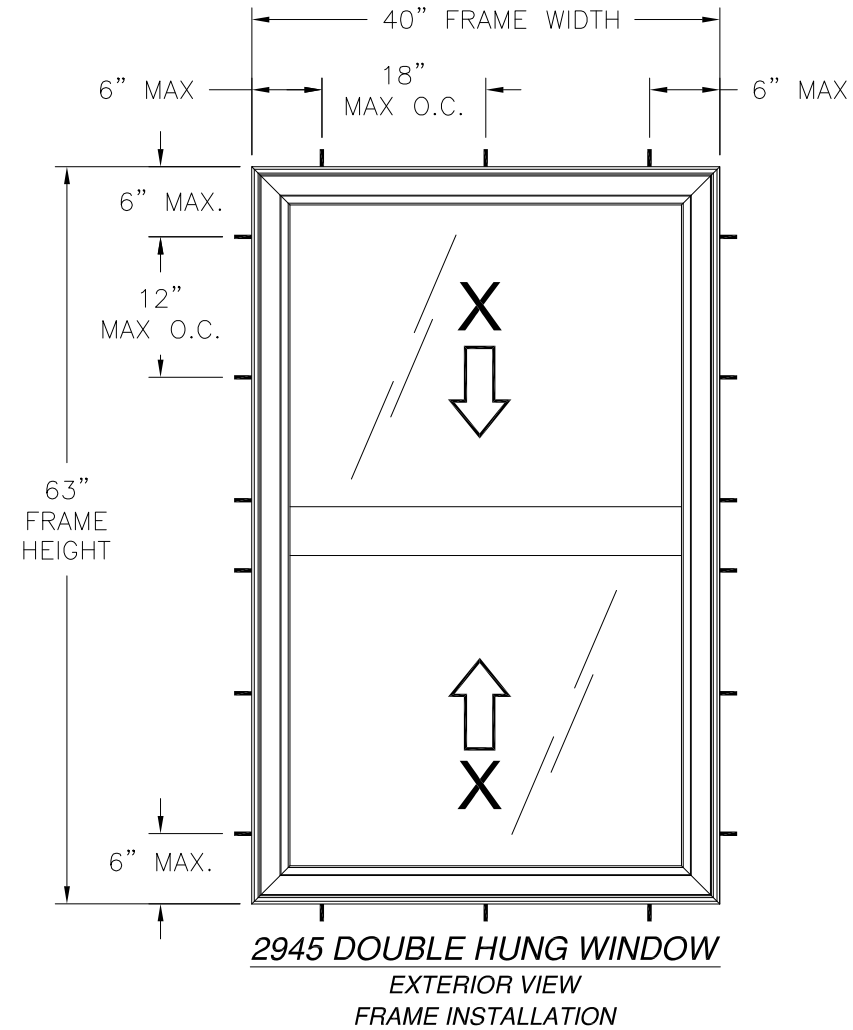
<b>WINDOW MART</b> 5760 ALBERT PIKE ROYAL, AR 71968		
2945 DOUBLE HUNG WINDOW 40" x 63" NON-IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03462	REV A
SCALE NTS	DATE 07/03/19	SHEET 1 OF 5
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

SIGNED: 10/11/2021



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TX No.: 101889

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- NOTES:**
1. EXTERIOR SASH SIZE: 36 1/8" X 29 5/8"
  2. INTERIOR SASH SIZE: 37 1/8" X 30 5/8"
  3. EXTERIOR SASH D.L.O.: 33 11/16" X 27 1/4"
  4. INTERIOR SASH D.L.O.: 34 11/16" X 28 1/4"

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

40" X 63" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 17.50 FT<sup>2</sup>

**HARDWARE SCHEDULE**

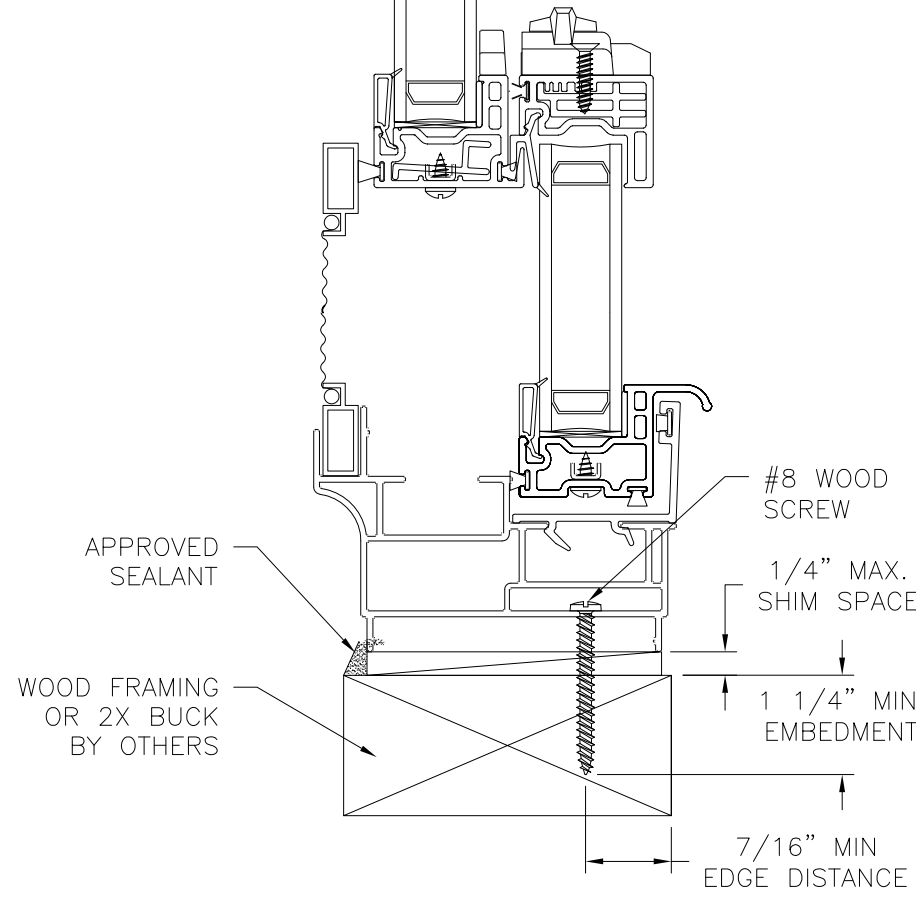
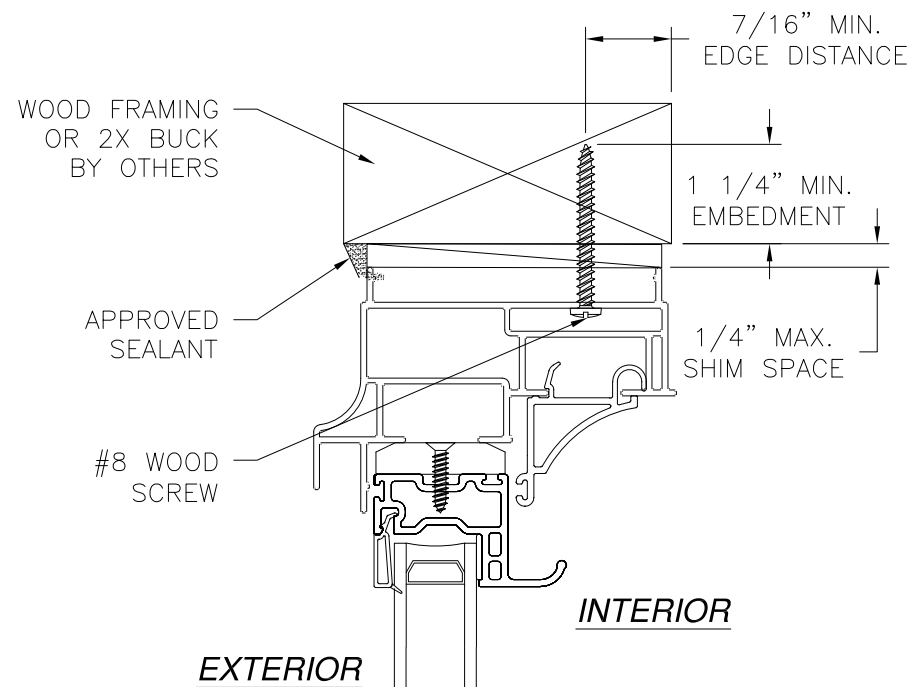
A.	(2) METAL CAM LOCK AT LOCK RAIL, 8" IN FROM EACH END
B.	(2) METAL KEEPER AT EXTERIOR MEETING RAIL, 7 3/8" IN FROM EACH END
C.	(4) CONSTANT FORCE BALANCE AT JAMBS, TWO AT EACH SIDE
D.	(4) METAL PIVOT BAR AT BOTTOM AND EXTERIOR MEETING RAILS, ONE AT EACH END
E.	(4) PLASTIC FLUSH MOUNTED TILT LATCH AT TOP RAIL AND LOCK RAIL, ONE AT EACH END
F.	ALUMINUM REINFORCEMENT (A6202) AT EXTERIOR MEETING RAIL
G.	ALUMINUM REINFORCEMENT (A6201) AT LOCK RAIL

<b>WINDOW MART</b> 5760 ALBERT PIKE ROYAL, AR 71968		
2945 DOUBLE HUNG WINDOW 40" x 63" NON-IMPACT ELEVATION		
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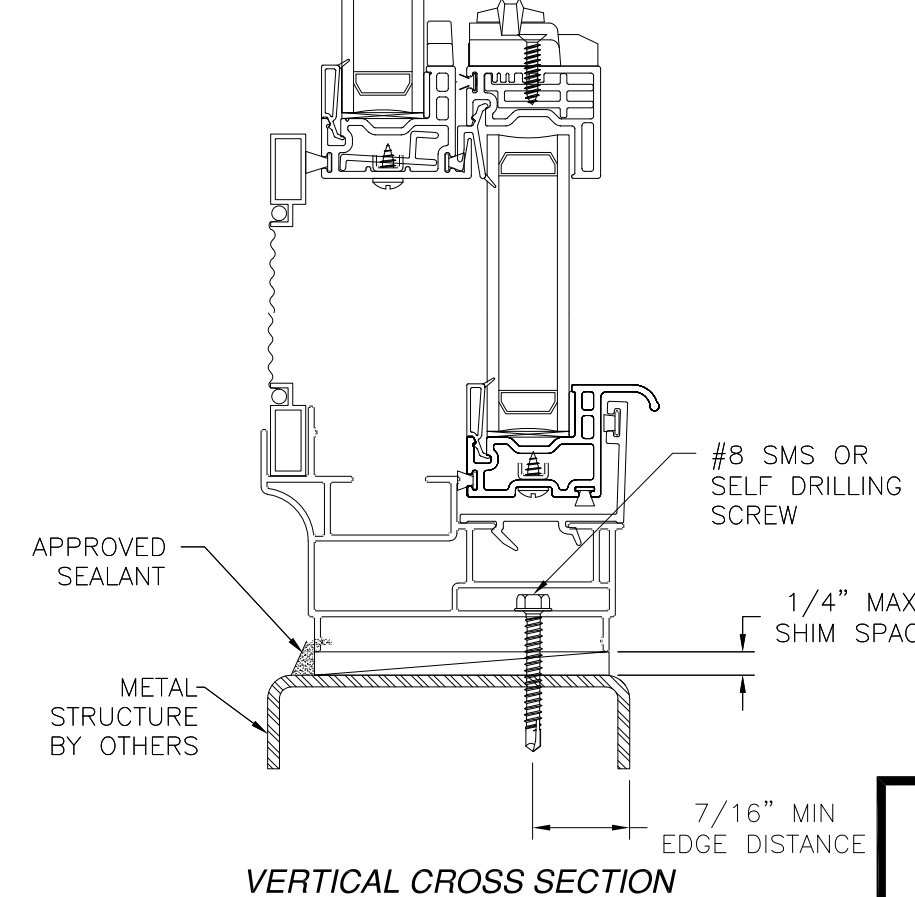
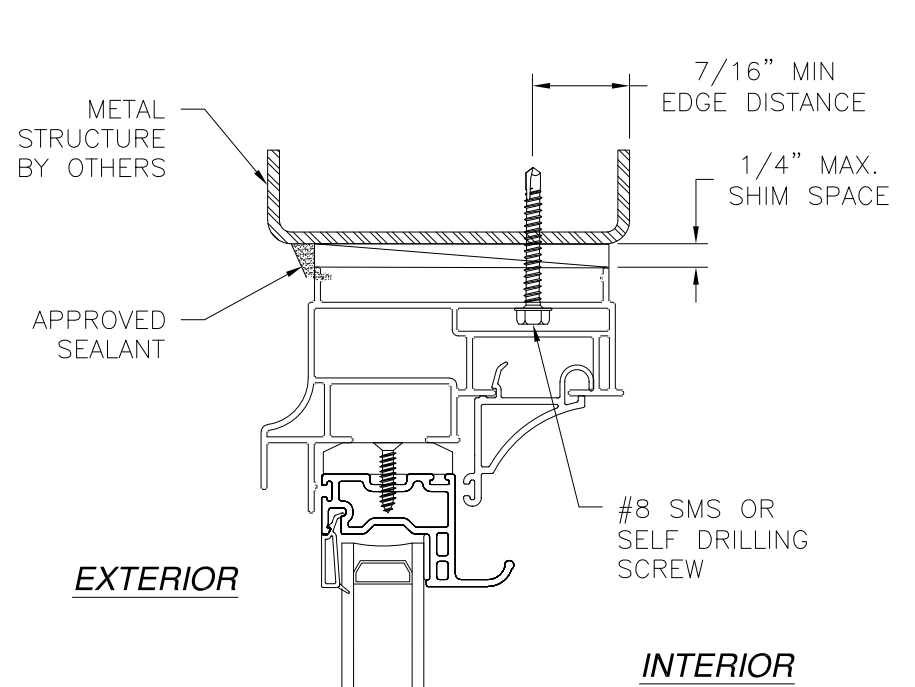


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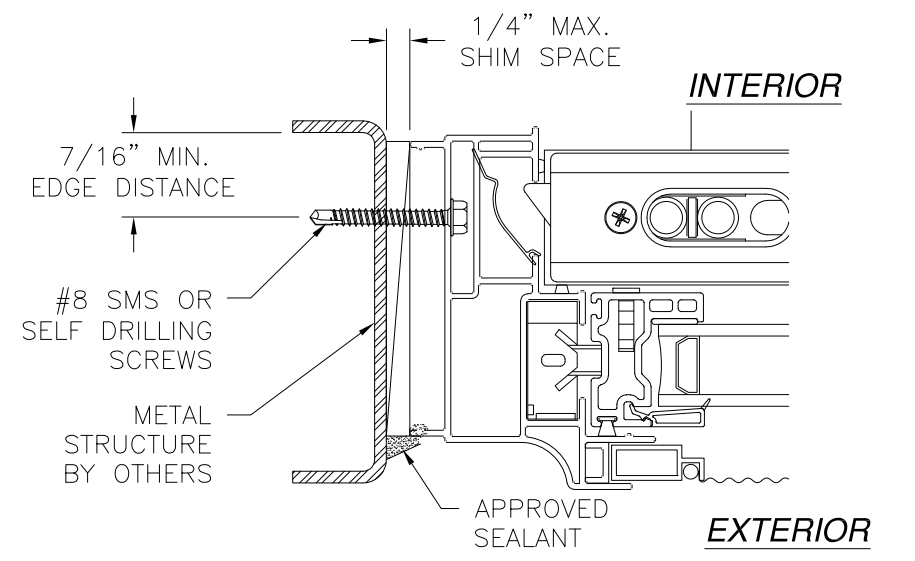
**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION

**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

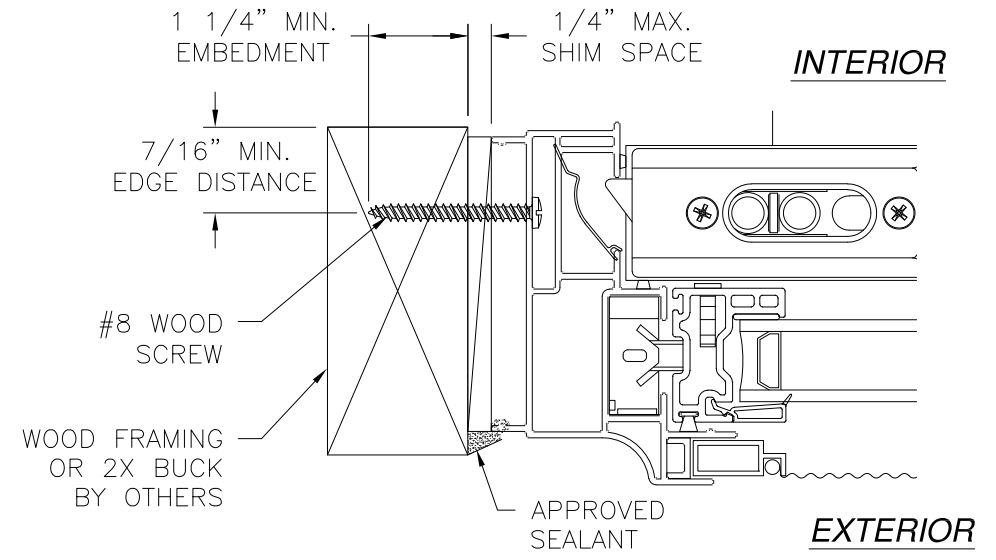


**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

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**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION



**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION

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**WINDOW MART**  
5760 ALBERT PIKE  
ROYAL, AR 71968

2945 DOUBLE HUNG WINDOW 40" x 63"  
NON-IMPACT  
INSTALLATION DETAILS

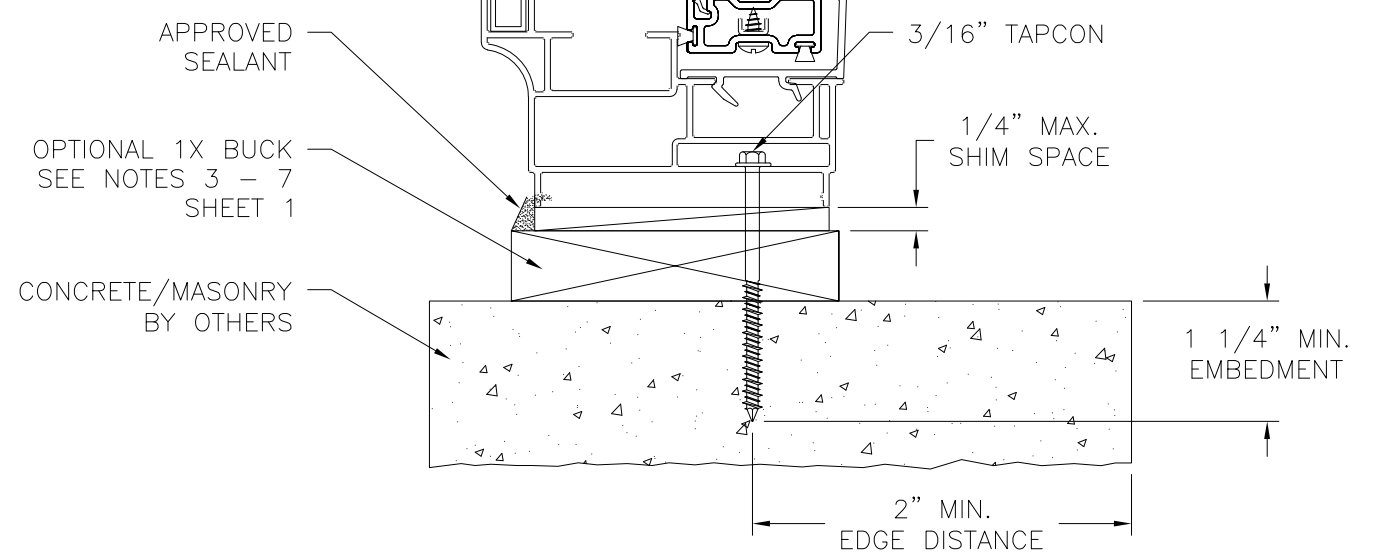
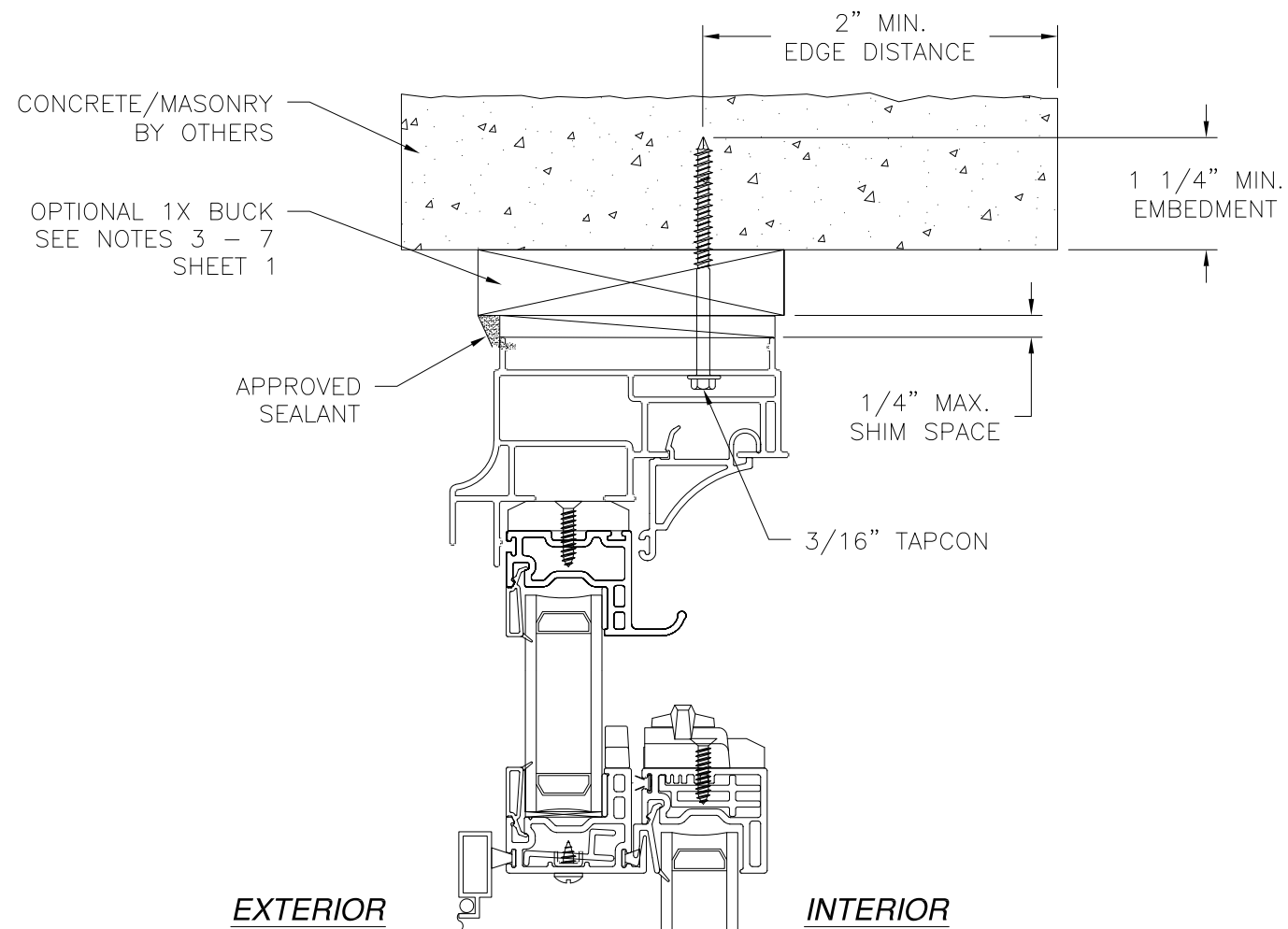
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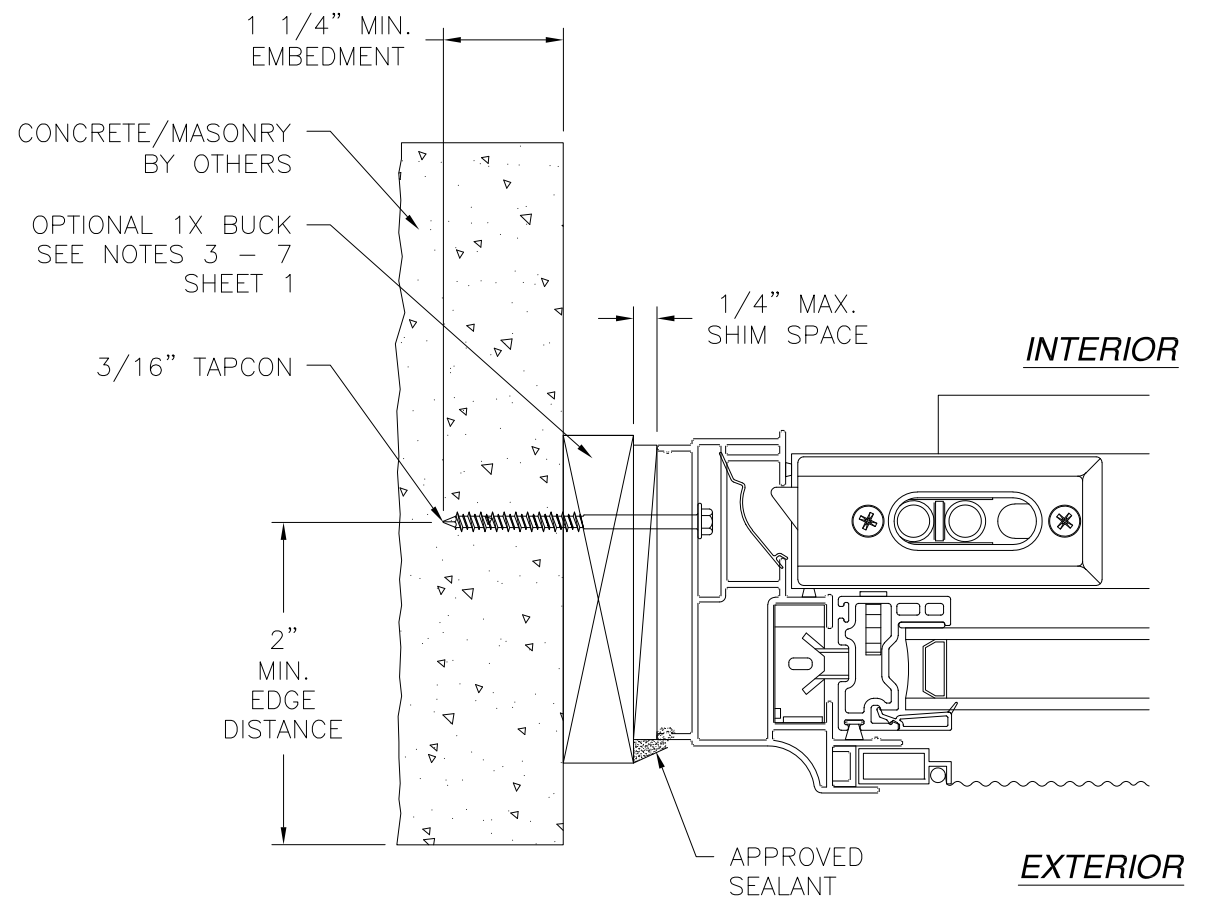


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**VERTICAL CROSS SECTION  
CONCRETE/MASONRY INSTALLATION**



**JAMB INSTALLATION DETAIL  
CONCRETE/MASONRY INSTALLATION**

- NOTES:**
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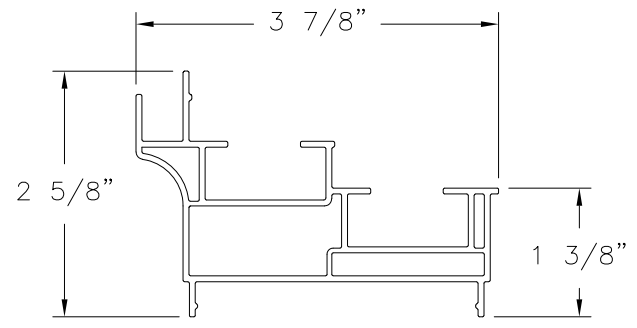
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<b>WINDOW MART</b> 5760 ALBERT PIKE ROYAL, AR 71968		
2945 DOUBLE HUNG WINDOW 40" x 63" NON-IMPACT INSTALLATION DETAILS		
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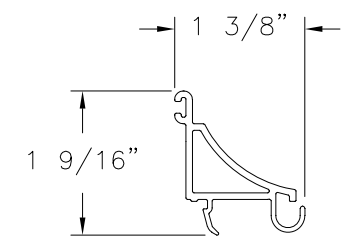


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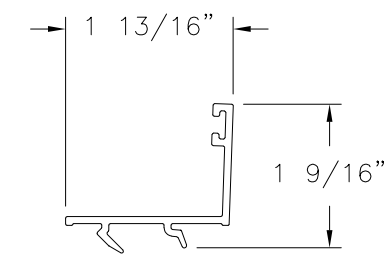
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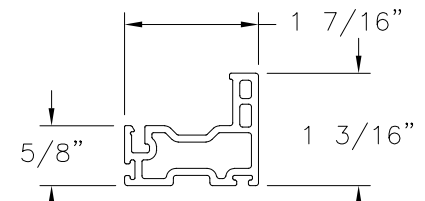
**MAIN FRAME**  
EXTRUDED PVC (10005019)



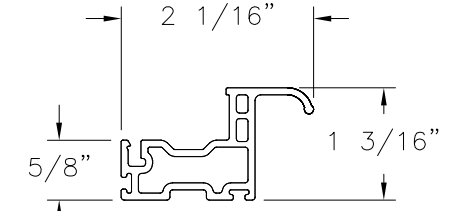
**HEAD ADAPTER**  
EXTRUDED PVC (10005119)



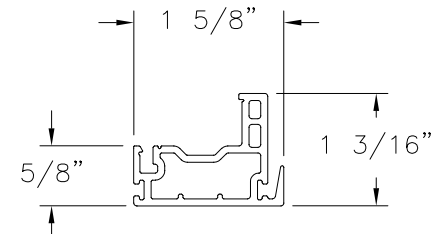
**SILL ADAPTER**  
EXTRUDED PVC (10005126)



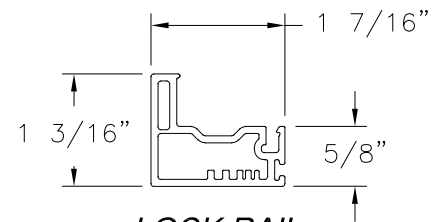
**STILE**  
EXTRUDED PVC (10005510)



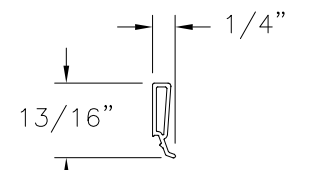
**TOP/BOTTOM RAIL**  
EXTRUDED PVC (10005480)



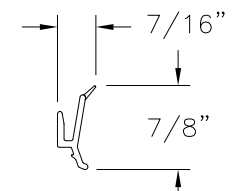
**KEEPER RAIL**  
EXTRUDED PVC (10005515)



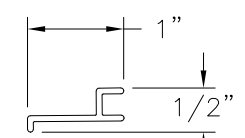
**LOCK RAIL**  
EXTRUDED PVC (10005514)



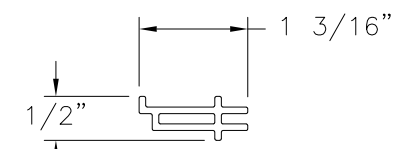
**GLAZING BEAD**  
EXTRUDED PVC (10005470)



**INTERLOCK GLAZING BEAD**  
EXTRUDED PVC (10005551)



**MEETING RAIL REINFORCEMENT**  
ALUMINUM (A6202)



**LOCK RAIL REINFORCEMENT**  
ALUMINUM (A6201)

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