

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

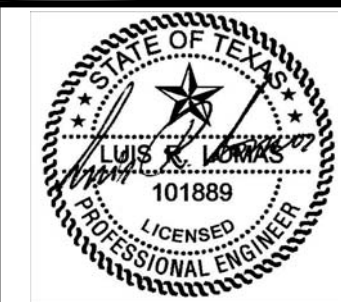
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND THE 2006 IRC WITH STATE OF TEXAS MODIFICATIONS AND WITH THE 2009 IBC, 2009 IRC, 2012 IBC, 2012 IRC, 2015 IBC AND 2015 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. 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 E1300-04/09, SEE SHEET 2 FOR GLAZING DETAIL.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. 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.
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 .048" THICK MINIMUM

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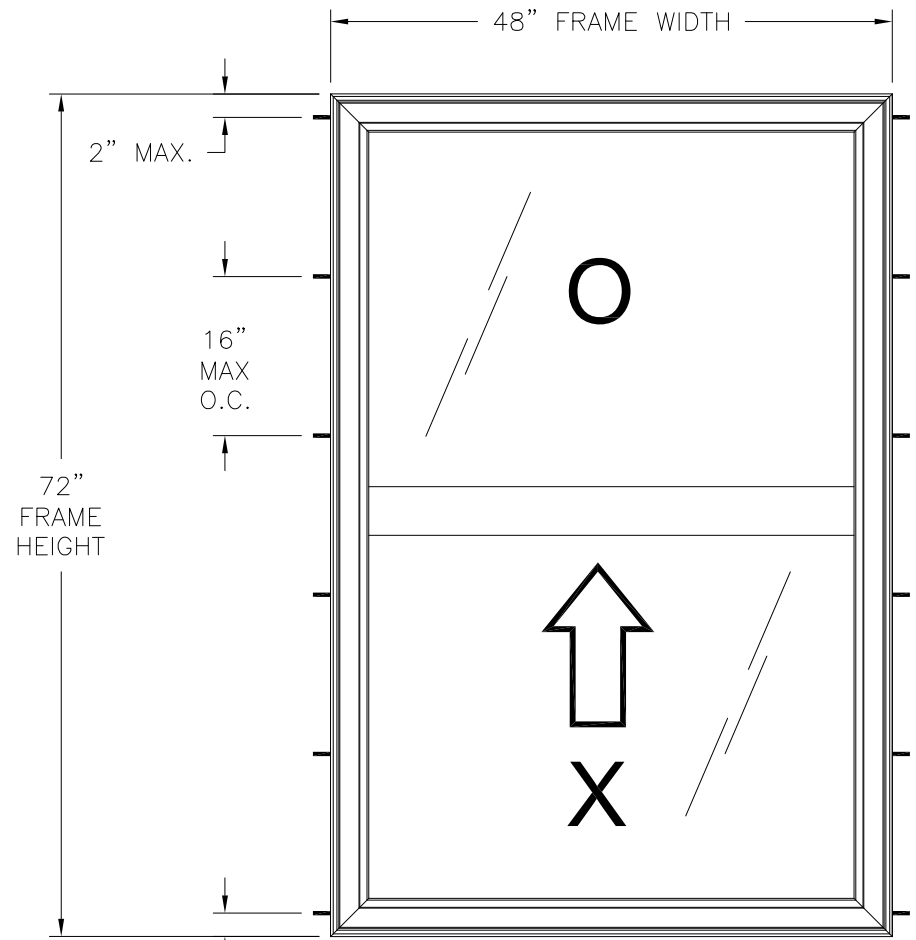
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WINDOW MART 5760 ALBERT PIKE ROYAL, AR 71968		
SERIES 6101 NC/6102 REP VINYL SINGLE HUNG IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03477	REV -
SCALE NTS	DATE 07/17/19	SHEET 1 OF 6
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		

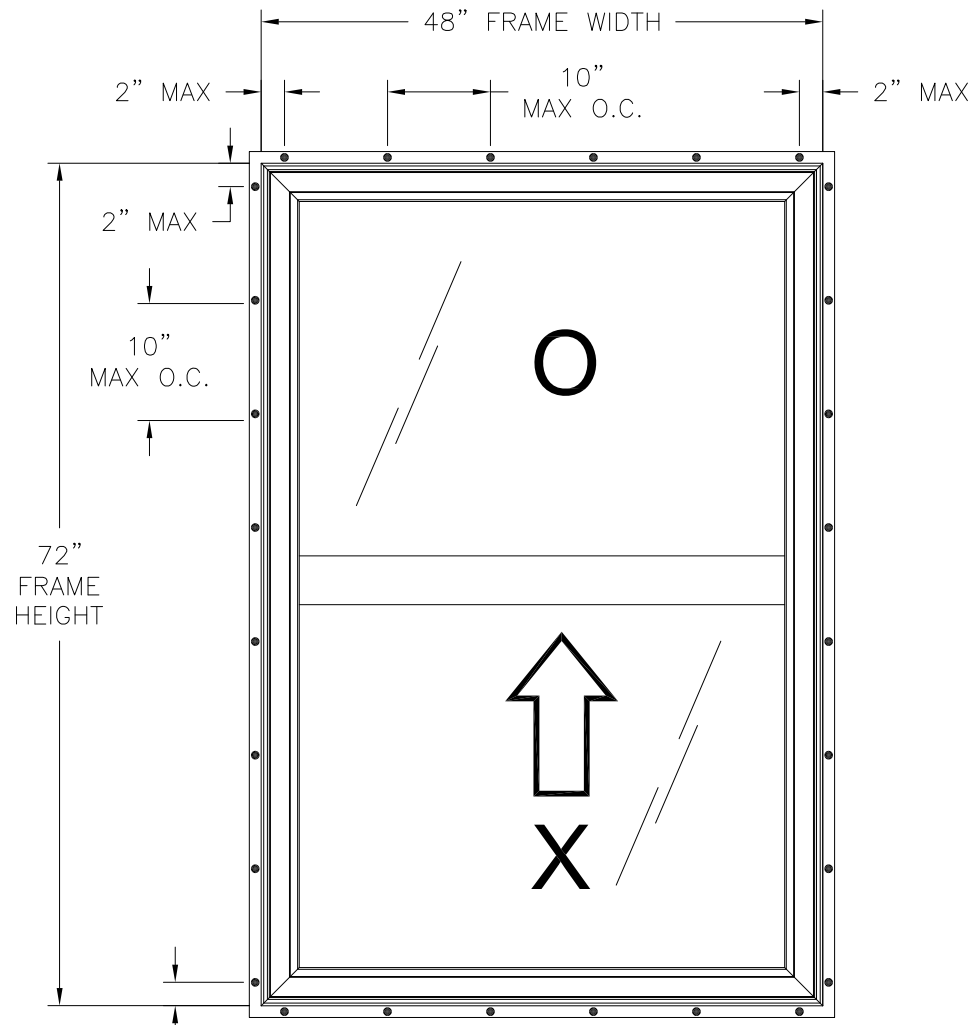


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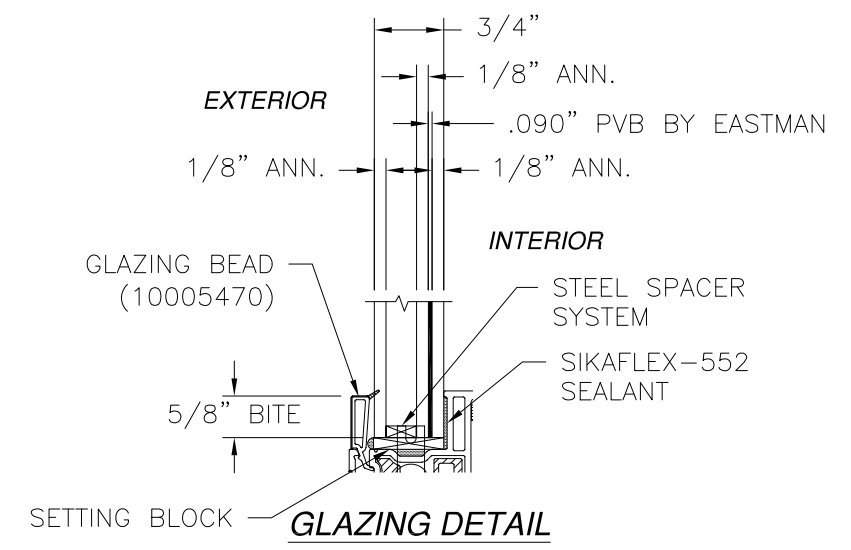
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6102 REP IMPACT SINGLE HUNG WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



6101 NC IMPACT SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION



GLAZING DETAIL

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND 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

NOTES:

1. FIXED LITE SIZE: 45" X 34 1/2".
2. ACTIVE SASH SIZE: 44 1/4" X 35".
3. FIXED LITE D.L.O.: 43" X 32 5/8".
3. ACTIVE SASH D.L.O.: 42 3/8" X 32 5/8".
4. (2) 1" X 1/8" WEEP SLOT AT 2 1/2" FROM EACH JAMB CORNER.

HARDWARE SCHEDULE

A.	(2) BSI. SPRING BALANCE SYSTEM AT EACH JAMB
B.	(2) METALIC TILT LATCH SPRING LOADED, AT 1 1/2" FROM EACH SASH TOP RAIL CORNER
C.	(2) ALUMINUM IMPACT CLIP REINFORCEMENTS, 1 1/2" FROM EACH SASH TOP RAIL CORNER
D.	(2) CAST CAM LOCKS, AT 8" FROM EACH JAMB CORNER ON SASH TOP RAIL LOCKING INTO KEEPERS IN FIXED MEETING RAIL
E.	ALUMINUM REINFORCEMENT (10300084) AT FIXED MEETING RAIL
F.	ALUMINUM REINFORCEMENT (10300082) AT ACTIVE SASH STILES AND RAILS
G.	ALUMINUM "U" SHAPED REINFORCEMENT (10300096) AT SILL

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WINDOW MART
5760 ALBERT PIKE
ROYAL, AR 71968

SERIES 6101 NC/6102 REP VINYL SINGLE HUNG
IMPACT
ELEVATIONS AND GLAZING DETAIL

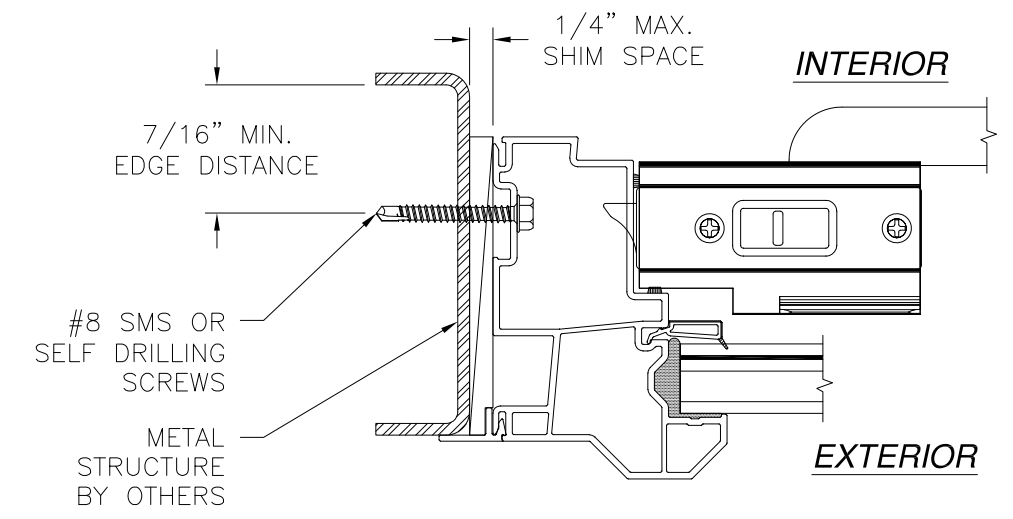
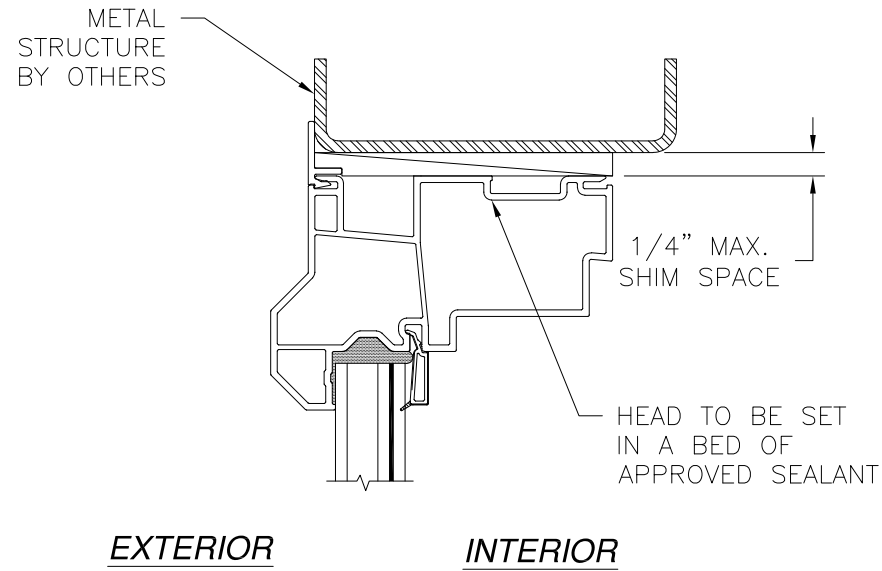
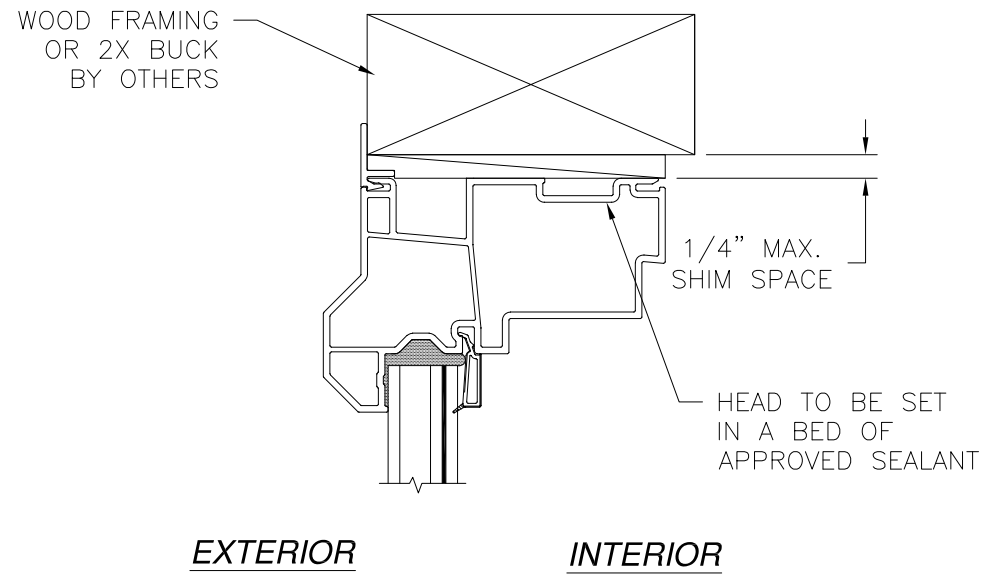
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1432 WOODFORD RD LEWISVILLE, NC 27023
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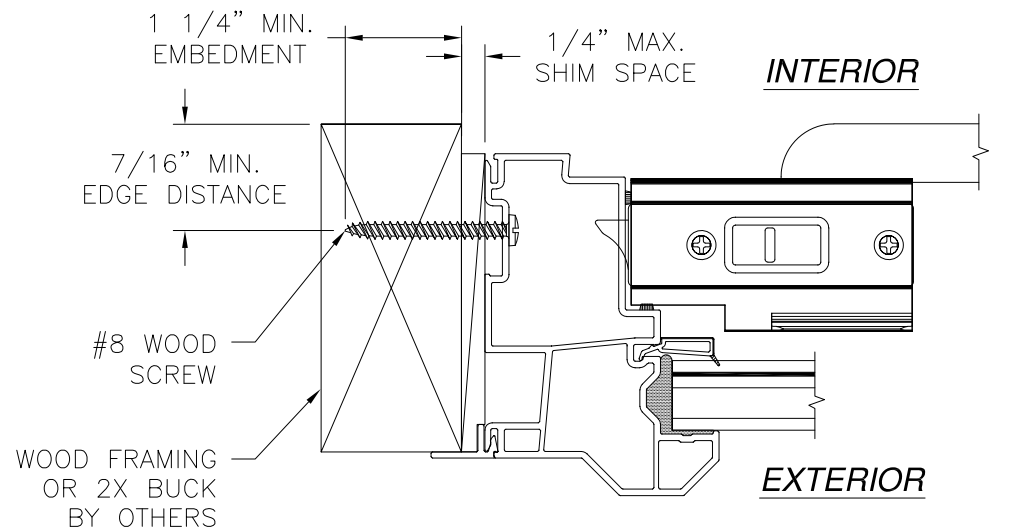
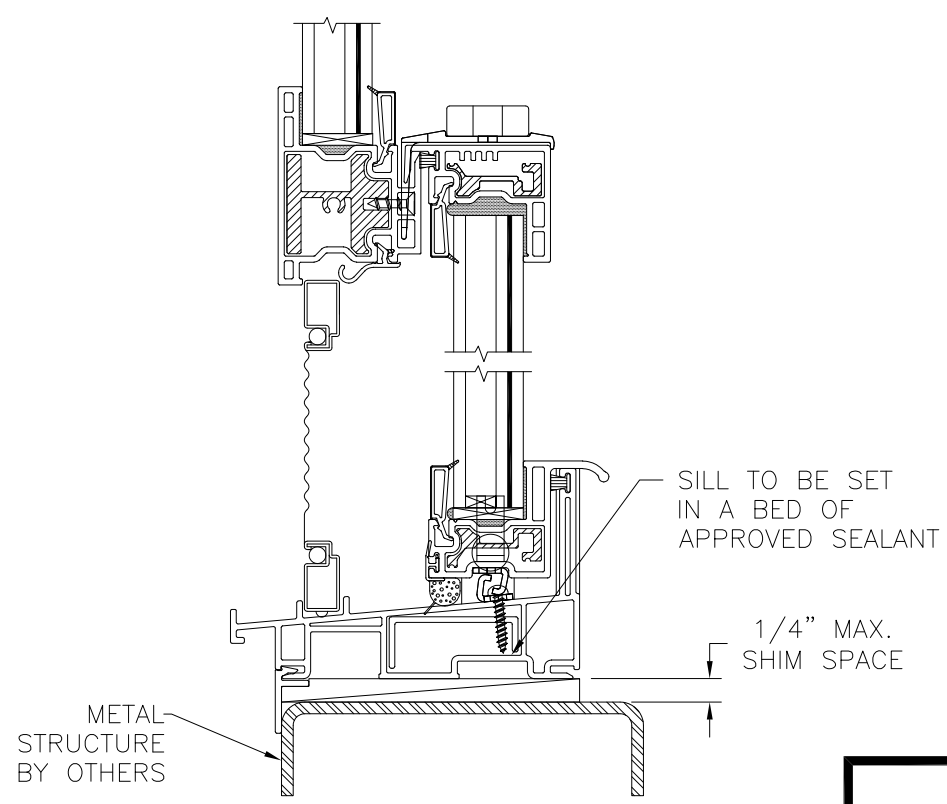
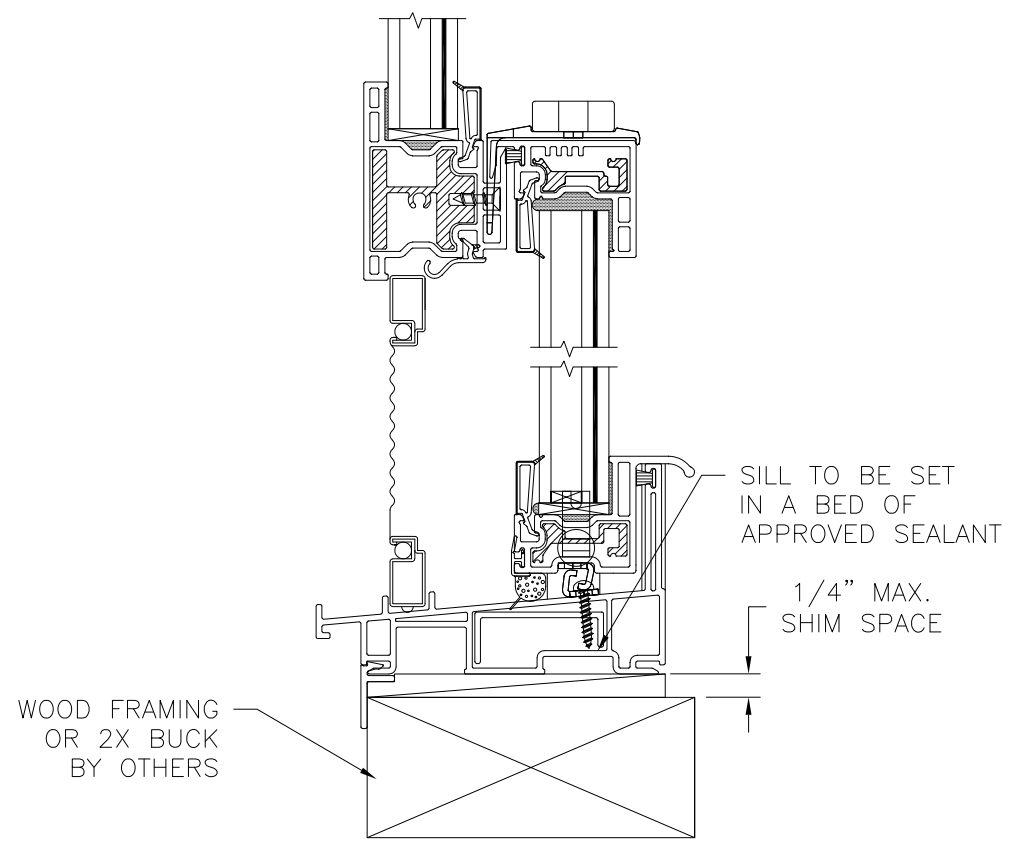


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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

VERTICAL CROSS SECTION
METAL STRUCTURE 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

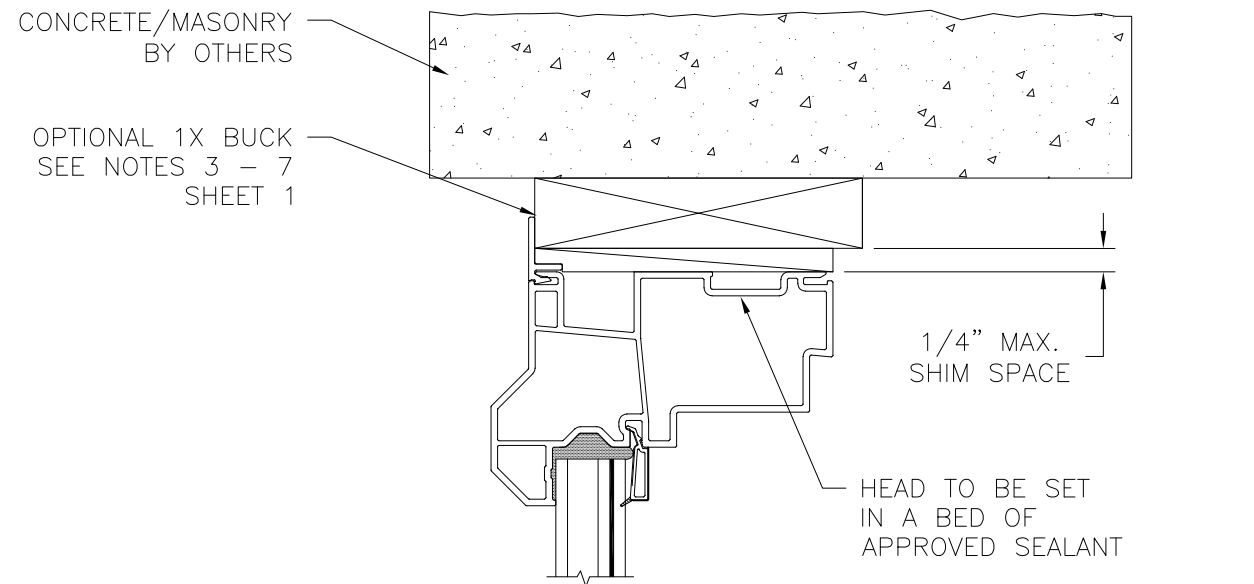
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WINDOW MART 5760 ALBERT PIKE ROYAL, AR 71968		
SERIES 6101 NC/6102 REP VINYL SINGLE HUNG IMPACT INSTALLATION DETAILS		
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SCALE NTS	DATE 07/17/19	SHEET 3 OF 6
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

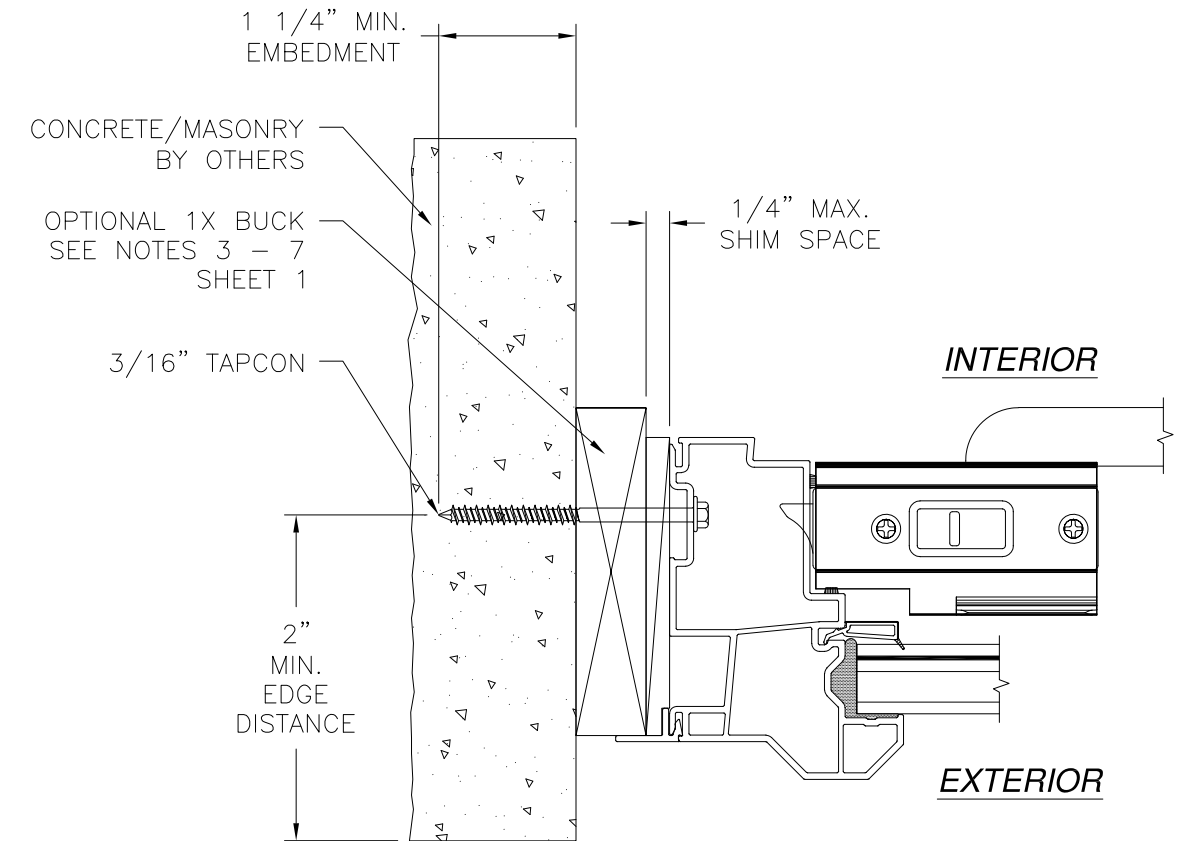


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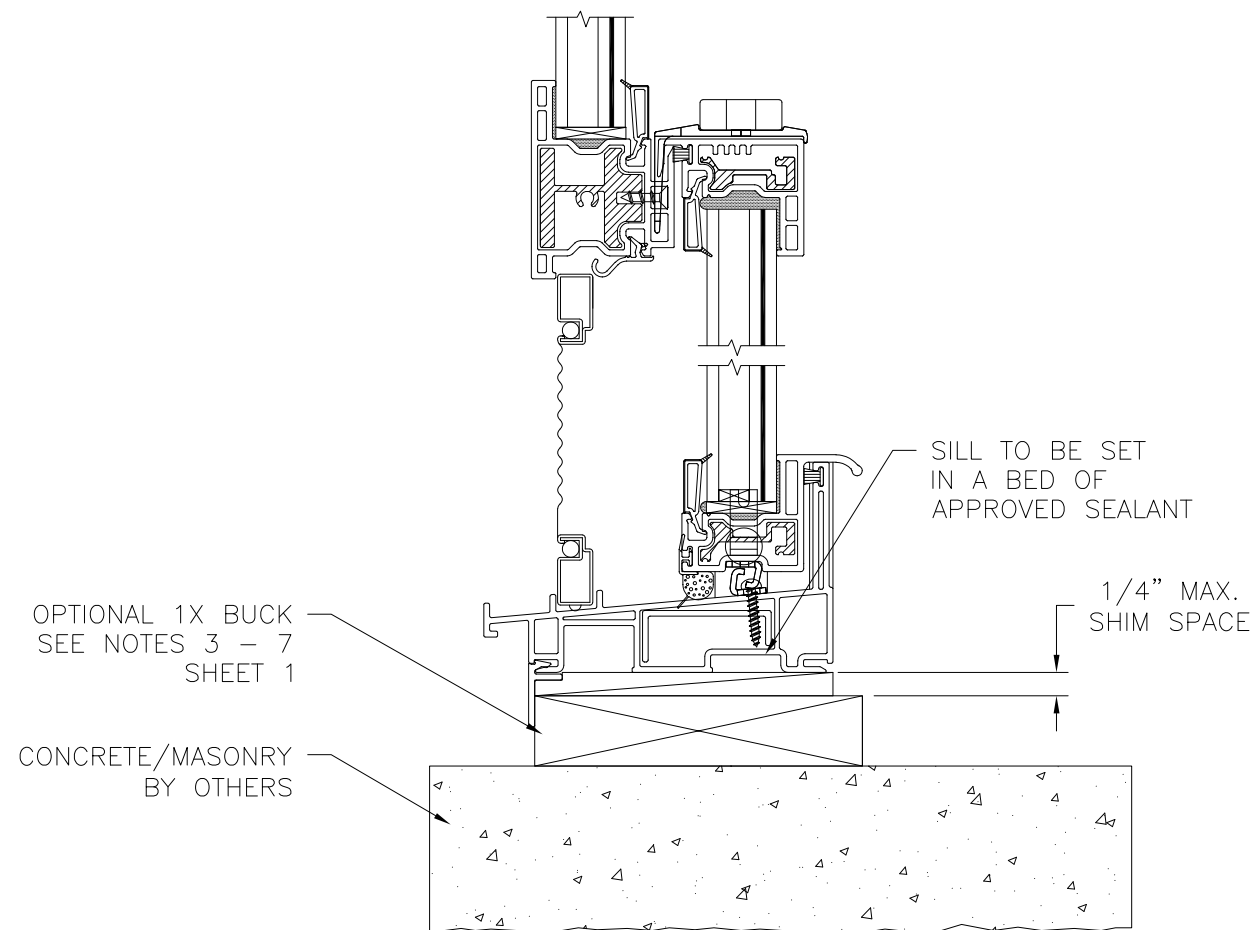


EXTERIOR INTERIOR



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

- NOTES:**
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

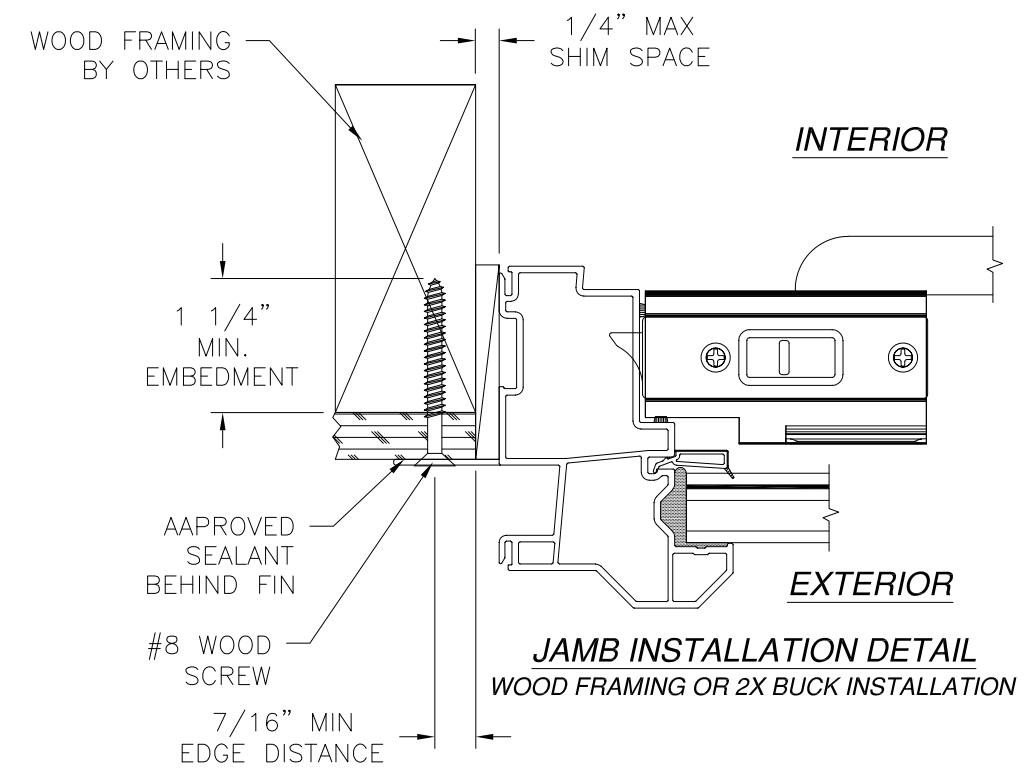
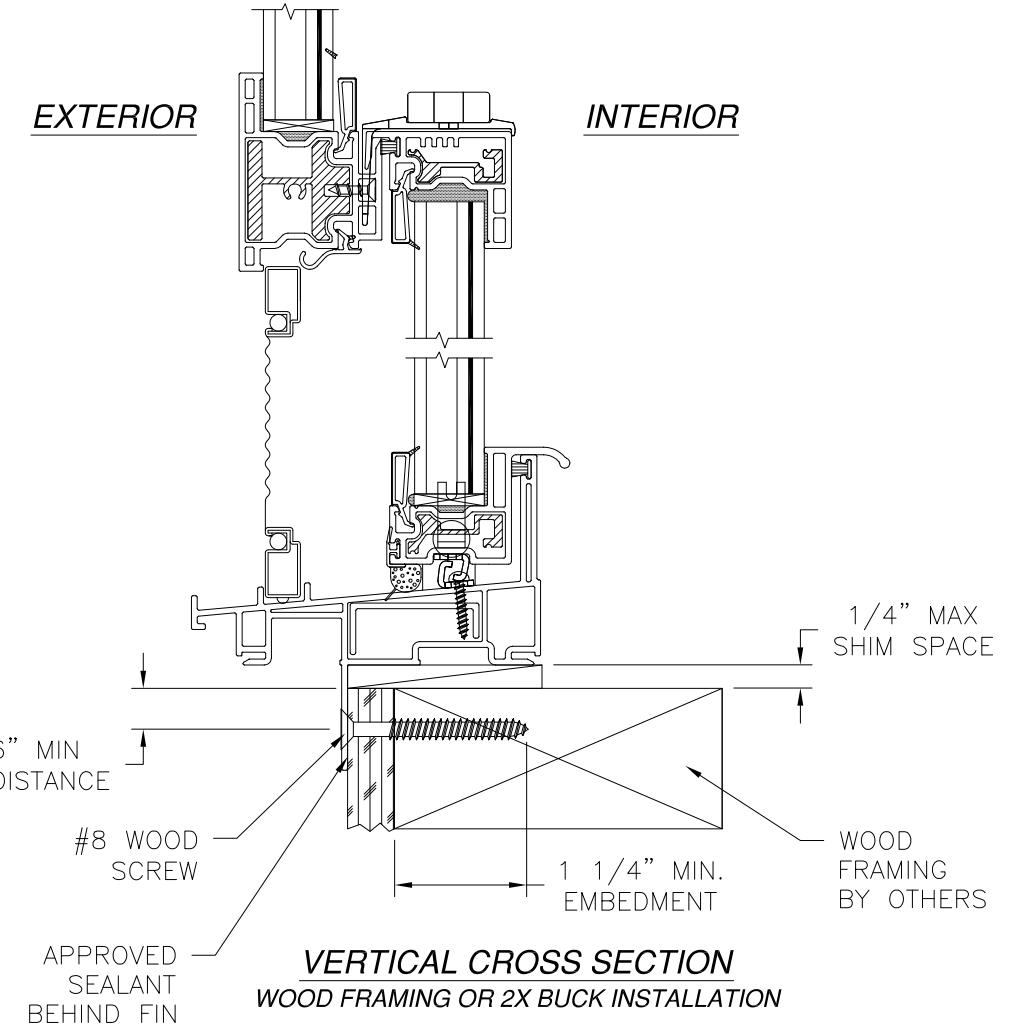
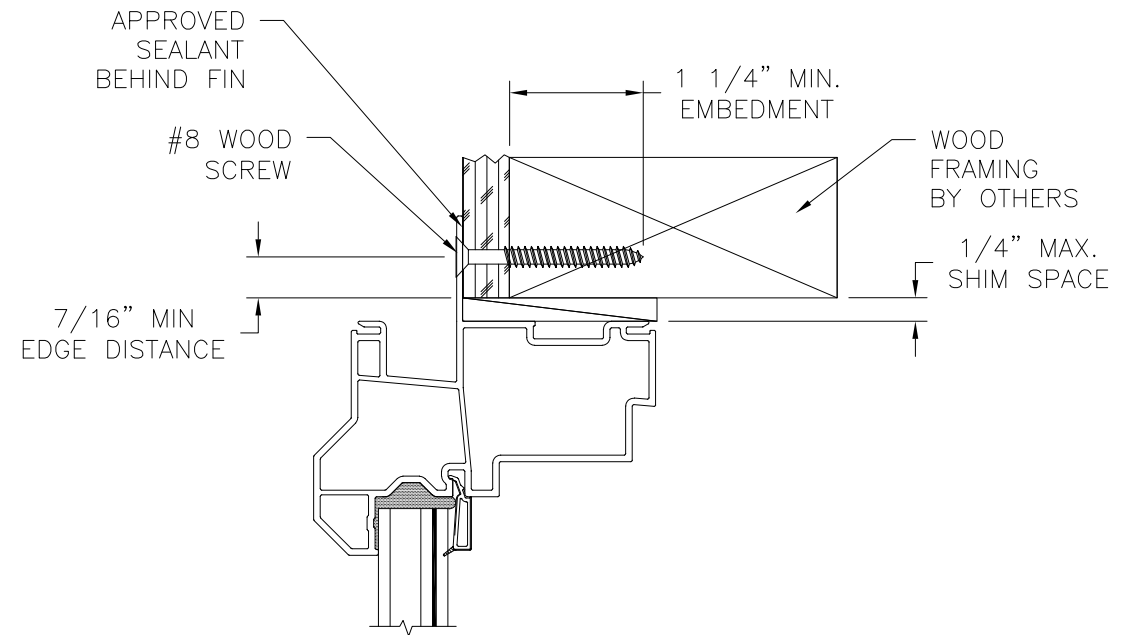
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WINDOW MART 5760 ALBERT PIKE ROYAL, AR 71968		
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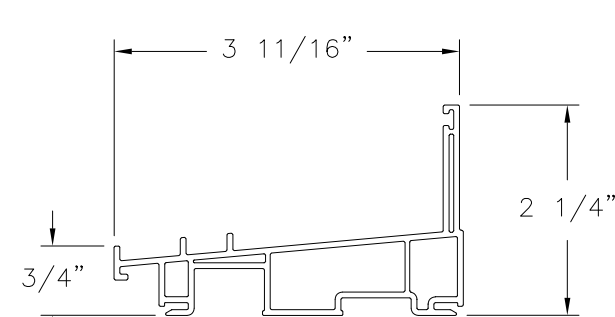
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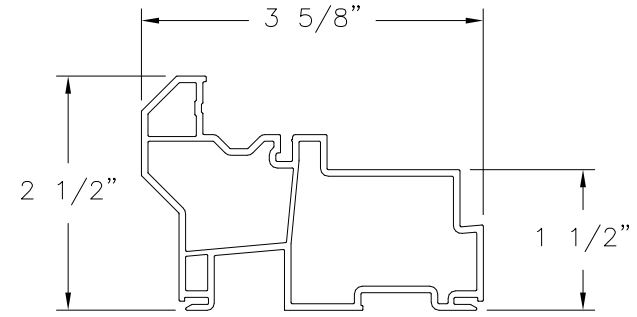


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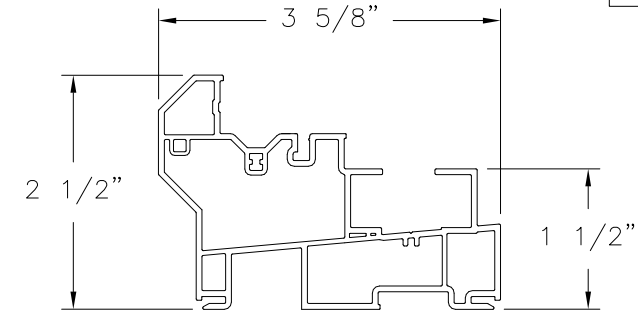
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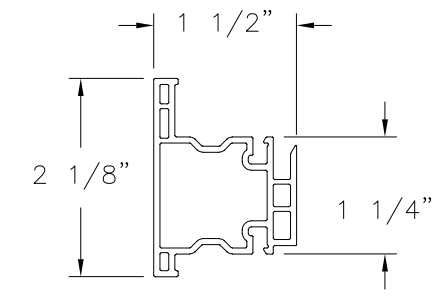
SILL FRAME
EXTRUDED PVC (10008672)



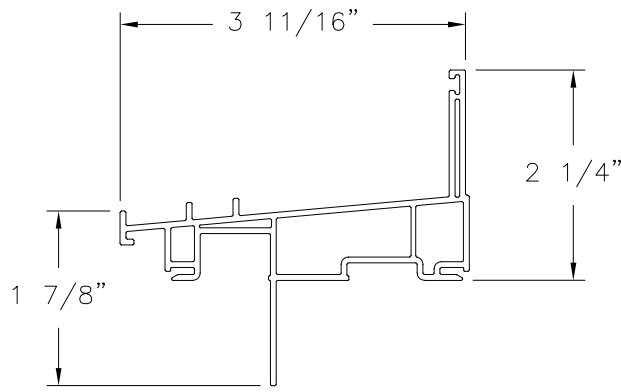
HEAD FRAME
EXTRUDED PVC (10008676)



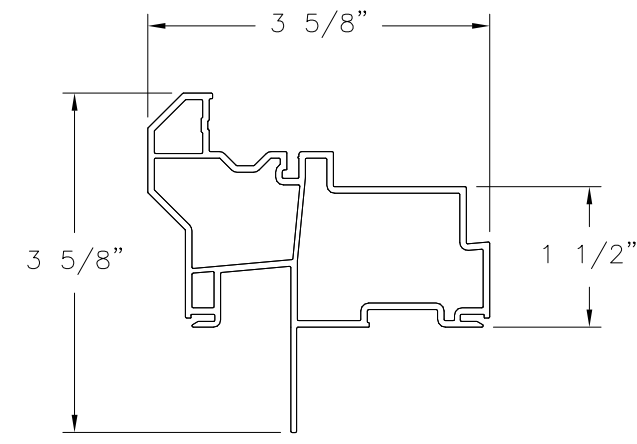
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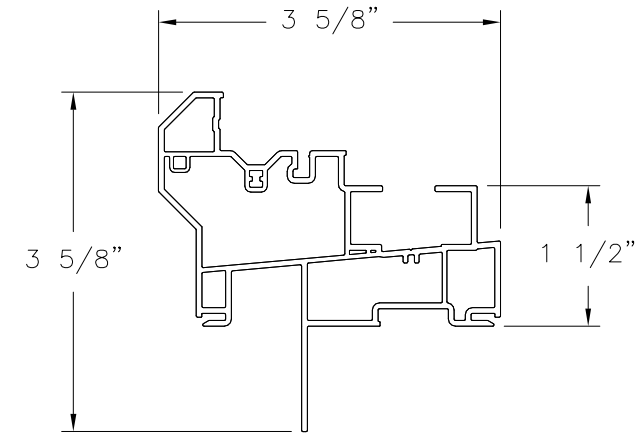
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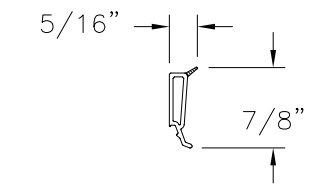
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EXTRUDED PVC (10008692)



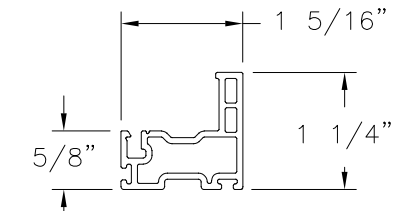
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EXTRUDED PVC (10008696)



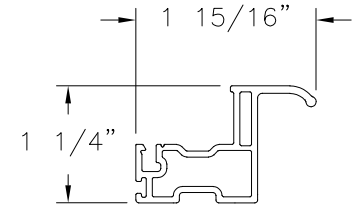
**JAMB FRAME
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EXTRUDED PVC (10008695)



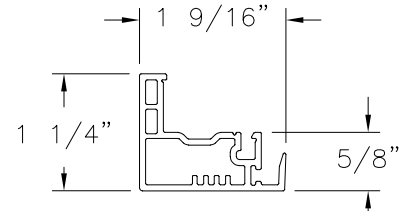
GLAZING BEAD
EXTRUDED PVC (10005470)



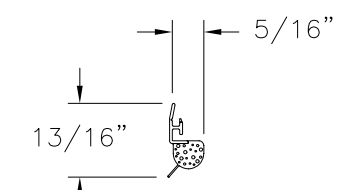
STILE
EXTRUDED PVC (10008875)



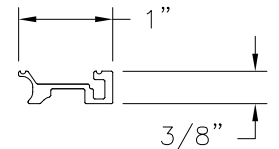
LIFT RAIL
EXTRUDED PVC (10008882)



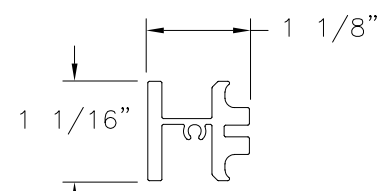
LOCK RAIL
EXTRUDED PVC (10008895)



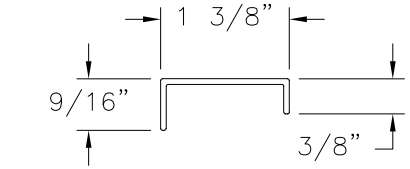
BULB SEAL
EXTRUDED PVC (10008206)



**LOCK RAIL & STILES
REINFORCEMENT**
EXTRUDED ALUMINUM 6005-T5 (10300082)



**MEETING RAIL
REINFORCEMENT**
EXTRUDED ALUMINUM 6005-T5, 6061-T5 OR 6105-T5 (10300084)



SILL REINFORCEMENT
EXTRUDED ALUMINUM (10300096)

WINDOW MART
5760 ALBERT PIKE
ROYAL, AR 71968

SERIES 6101 NC/6102 REP VINYL SINGLE HUNG
IMPACT
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