

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

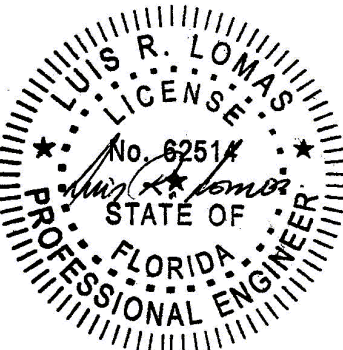
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT 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, REFER TO SHEET 6 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. 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.
14. 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.
15. 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:
 - 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 17.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM

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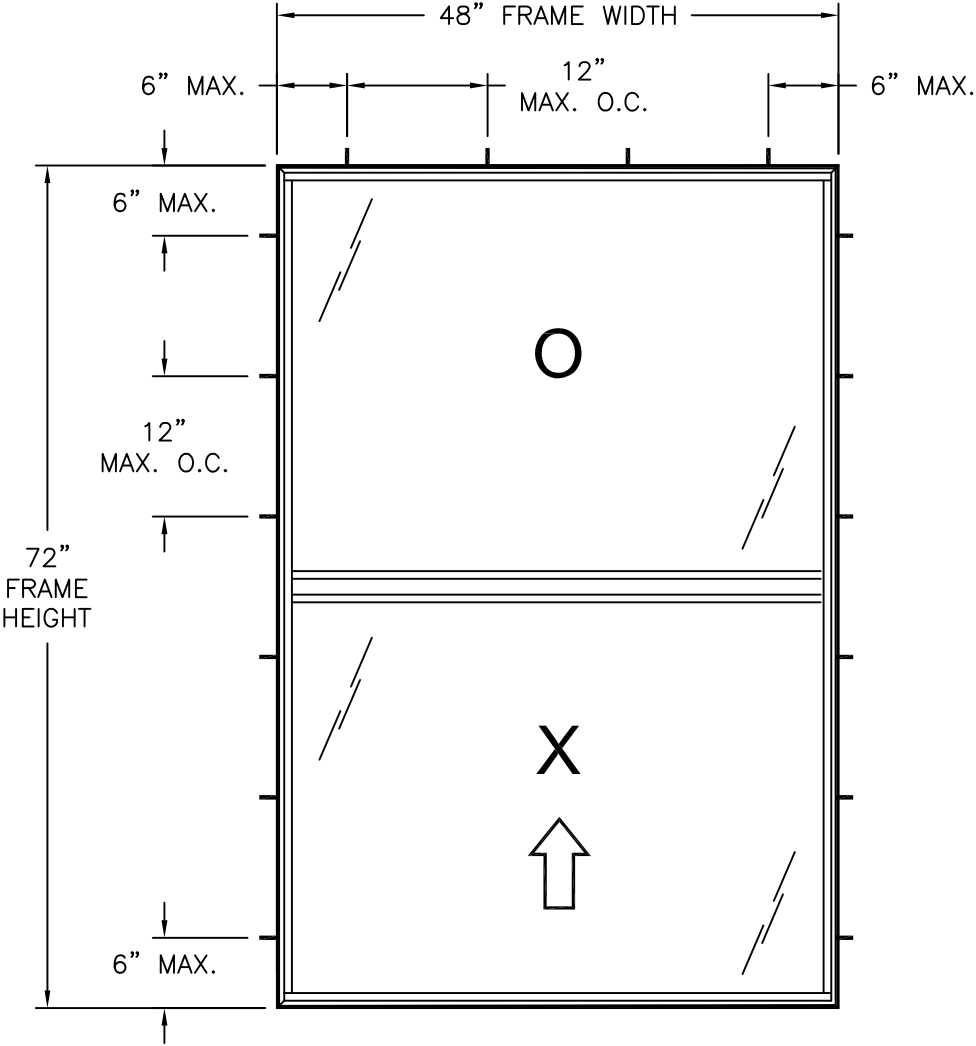
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SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3 - 5	INSTALLATION DETAILS
6	COMPONENTS

KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
4000 VINYL SINGLE HUNG TILT WINDOW IMPACT 48" X 72" NOTES		
DRAWN: A.R.	DWG NO. 08-03910	REV -
SCALE NTS	DATE 06/02/2023	SHEET 1 OF 6
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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- NOTES:
- SASH SIZE: 45 5/8" X 35 3/8"
 - SASH D.L.O.: 42 1/2" X 32 1/4"
 - FIXED D.L.O.: 44 7/8" X 32 1/8"

Chart #1
Design pressure rating (psf)

Frame Height (in)	Frame width (in)													
	24.00		30.00		36.00		42.00		48.00		54.00		60.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
30.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.6	49.6
36.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	41.8	41.8
42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	36.3	36.3
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	45.0	45.0	32.3	32.3
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	40.9	40.9	29.2	29.2
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	37.7	37.7	-	-
66.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-
72.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-
78.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-
84.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
90.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
96.0	50.0	50.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-
102.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-	-	-
108.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-	-	-
114.0	50.0	50.0	50.0	50.0	-	-	-	-	-	-	-	-	-	-
120.0	50.0	50.0	-	-	-	-	-	-	-	-	-	-	-	-
126.0	50.0	50.0	-	-	-	-	-	-	-	-	-	-	-	-

4000 VINYL SINGLE HUNG TILT WINDOW
EXTERIOR VIEW

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

MISSILE LEVEL D, WIND ZONE 4
FOR ADDITIONAL SIZES APPROVED, SEE CHART #1 THIS SHEET

HARDWARE SCHEDULE	
A.	METALLIC SWEEP LOCK WITH KEEPER, 5 1/2" FROM EACH END OF SASH TOP RAIL
B.	METALLIC TILT LATCH AT EACH END OF SASH TOP RAIL
C.	ONE BLOCK AND TACKLE TYPE BALANCE PER JAMB FOR SASH OPERATION
D.	EXTRUDED ALUMINUM 6063-T5 REINFORCEMENT (203A) INSIDE FIXED INTERLOCK
E.	EXTRUDED ALUMINUM 6063-T5 REINFORCEMENT (204B) INSIDE SASH TOP RAIL AND SASH STILES

KRESTMARK INDUSTRIES, L.P.
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DALLAS, TX 75212

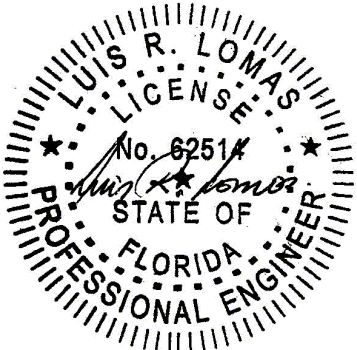
4000 VINYL SINGLE HUNG TILT WINDOW
IMPACT 48" X 72"
ELEVATIONS

DRAWN: A.R. DWG NO. 08-03910 REV -

SCALE NTS DATE 06/02/2023 SHEET 2 OF 6

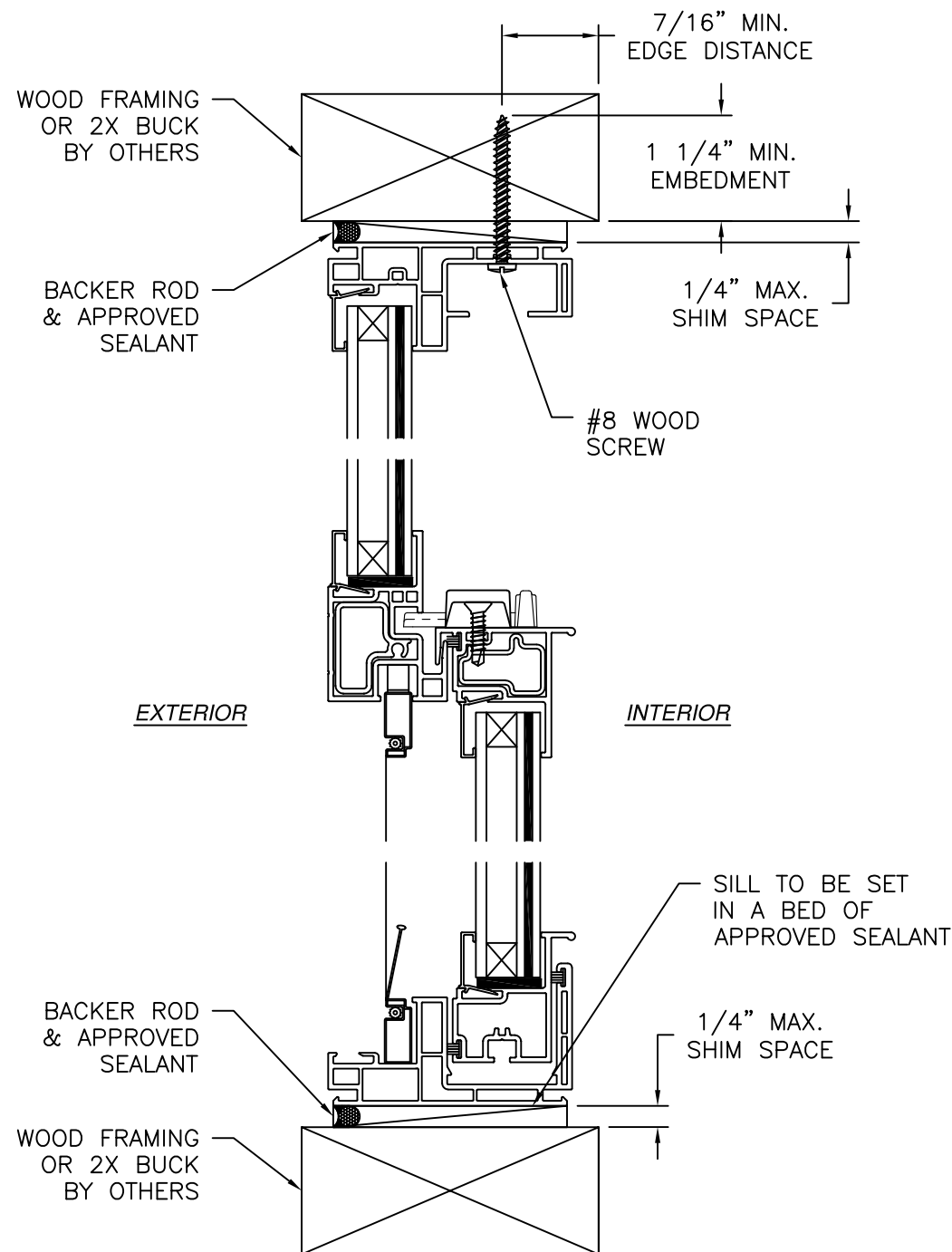
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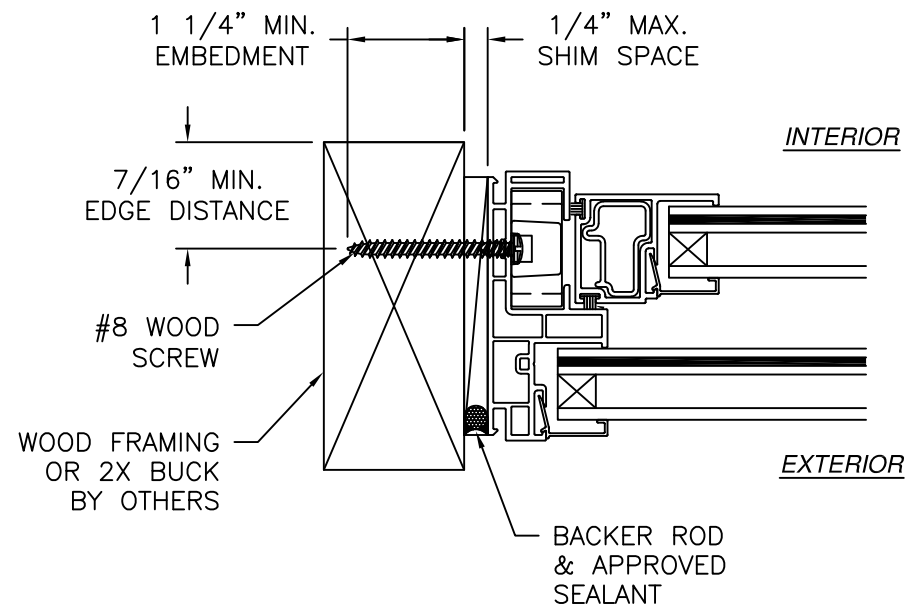


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

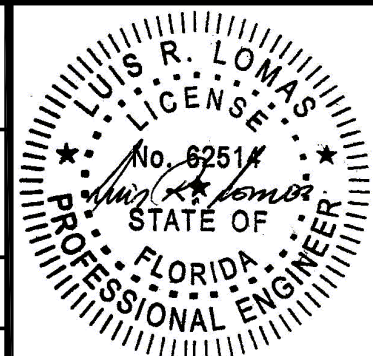


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
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

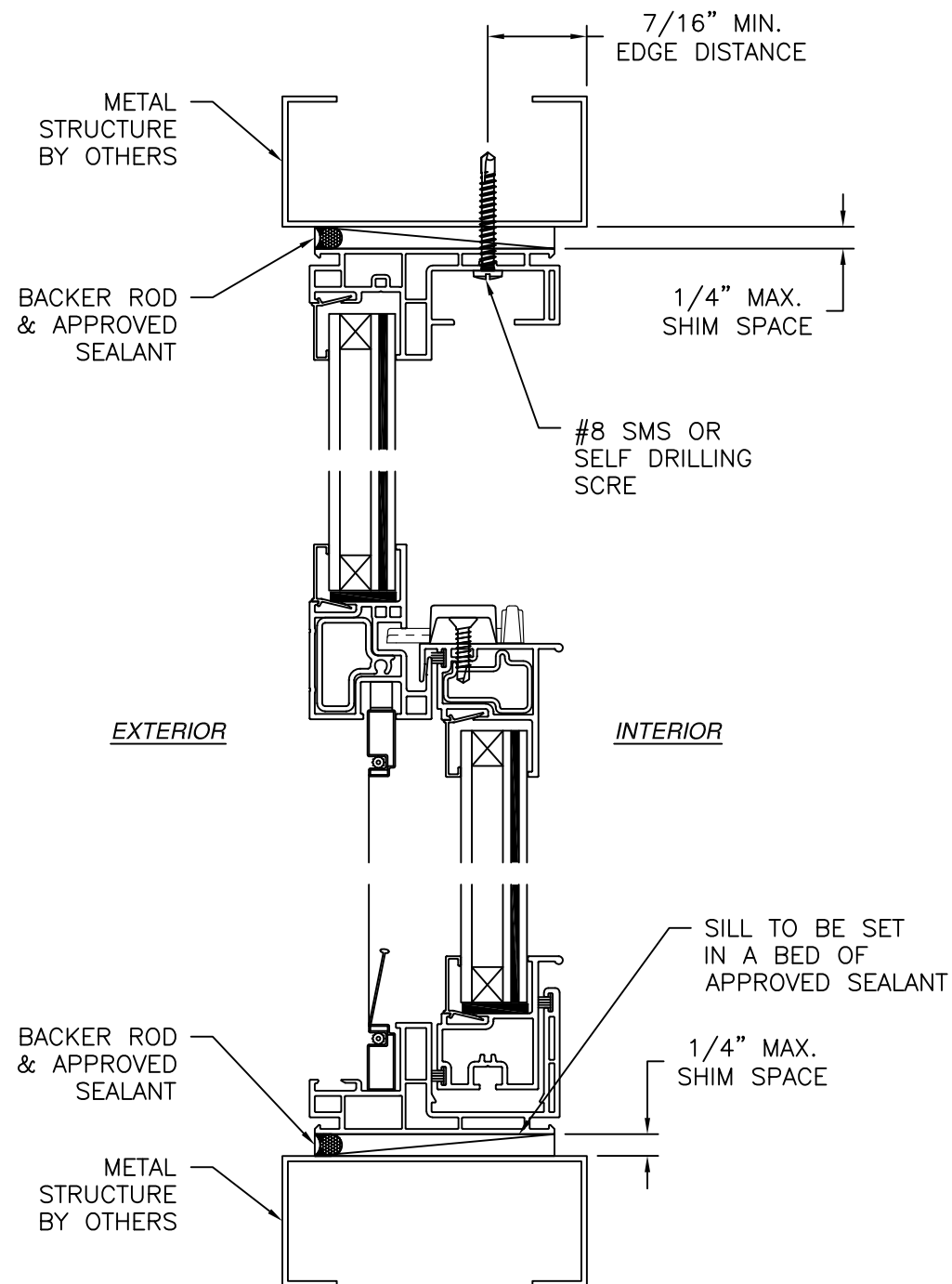
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4000 VINYL SINGLE HUNG TILT WINDOW IMPACT 48" X 72" INSTALLATION DETAILS		
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SCALE NTS	DATE 06/02/2023	SHEET 3 OF 6
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

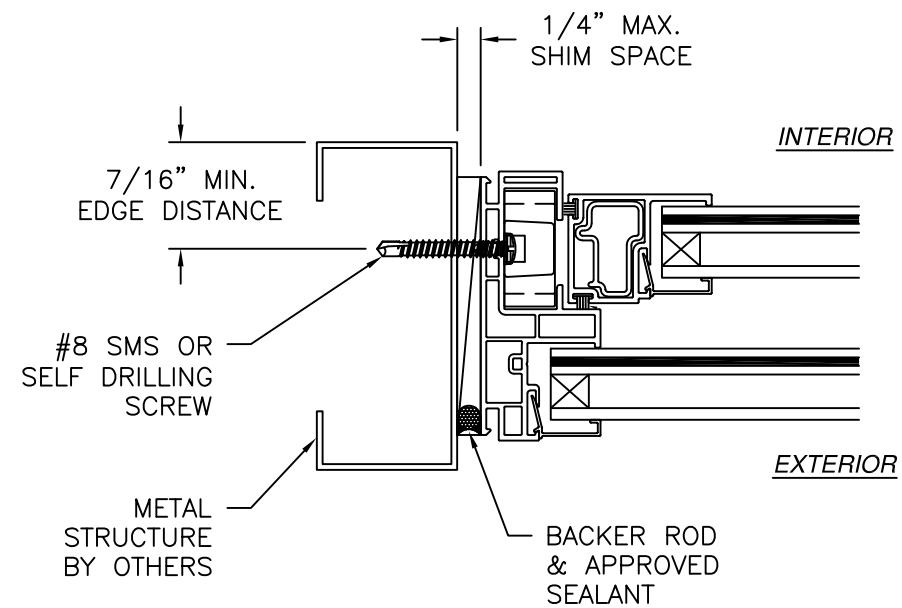


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

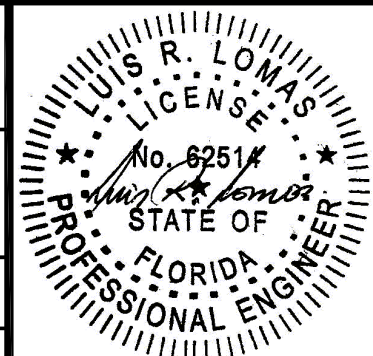


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

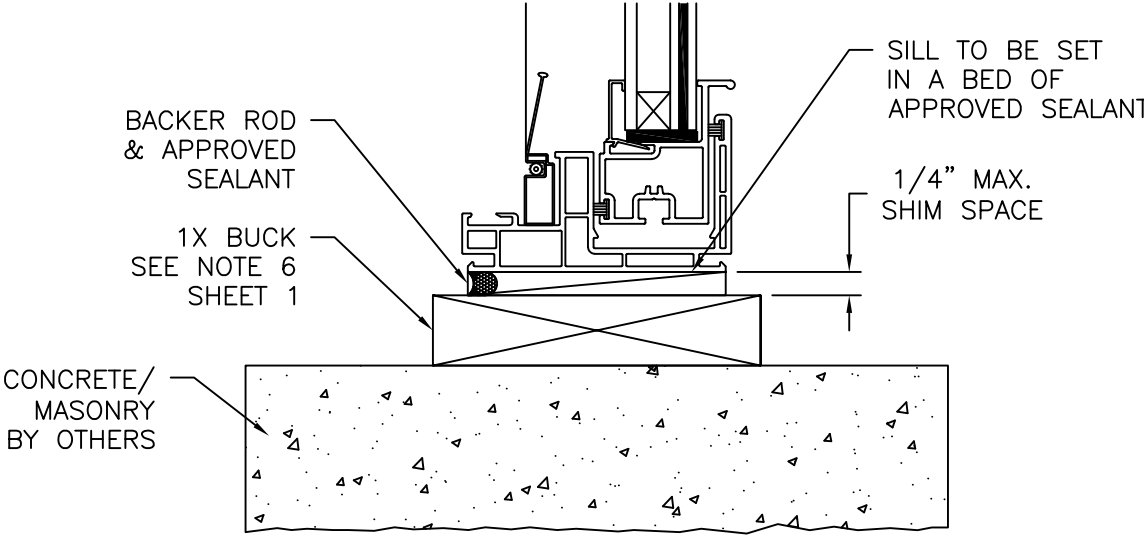
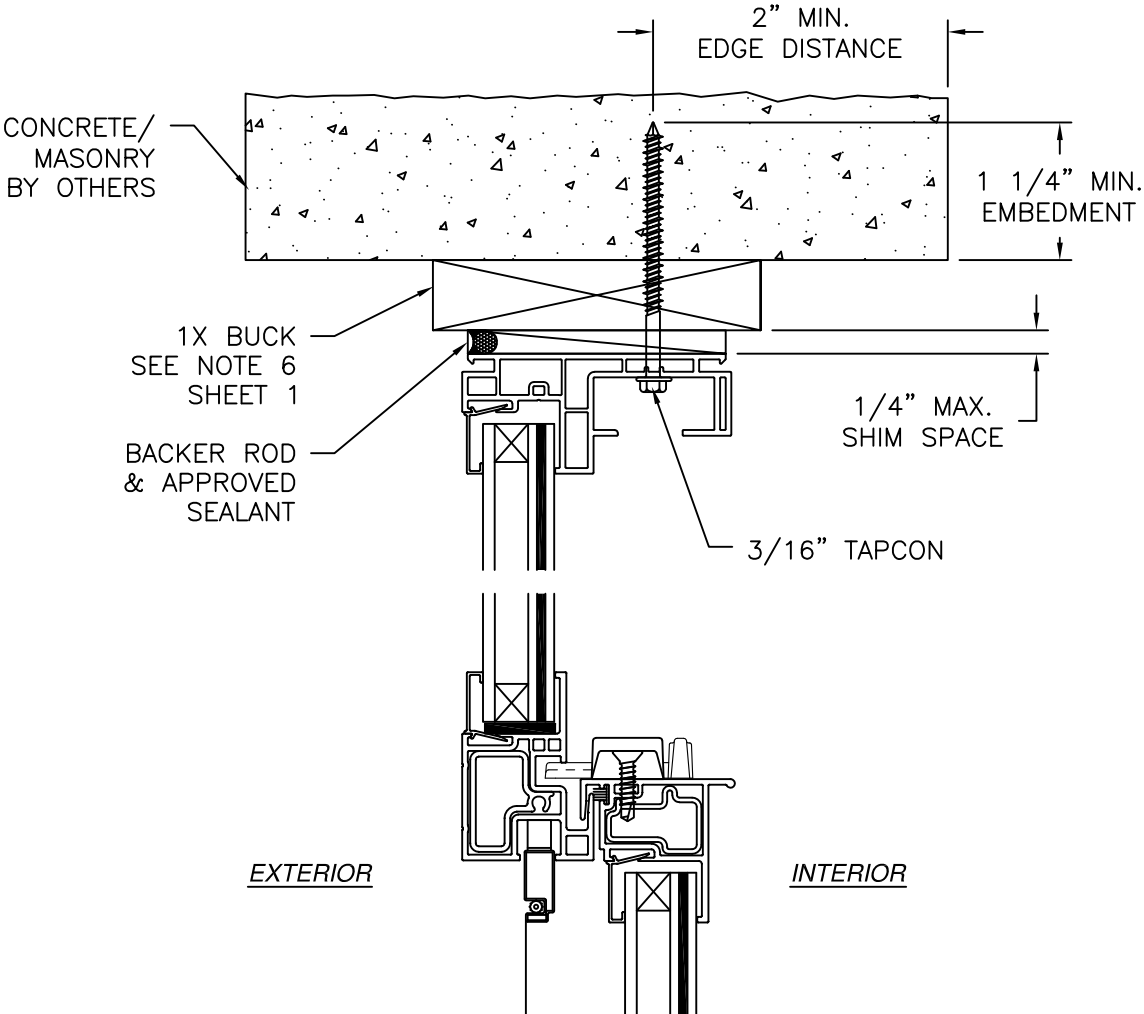
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4000 VINYL SINGLE HUNG TILT WINDOW IMPACT 48" X 72" INSTALLATION DETAILS		
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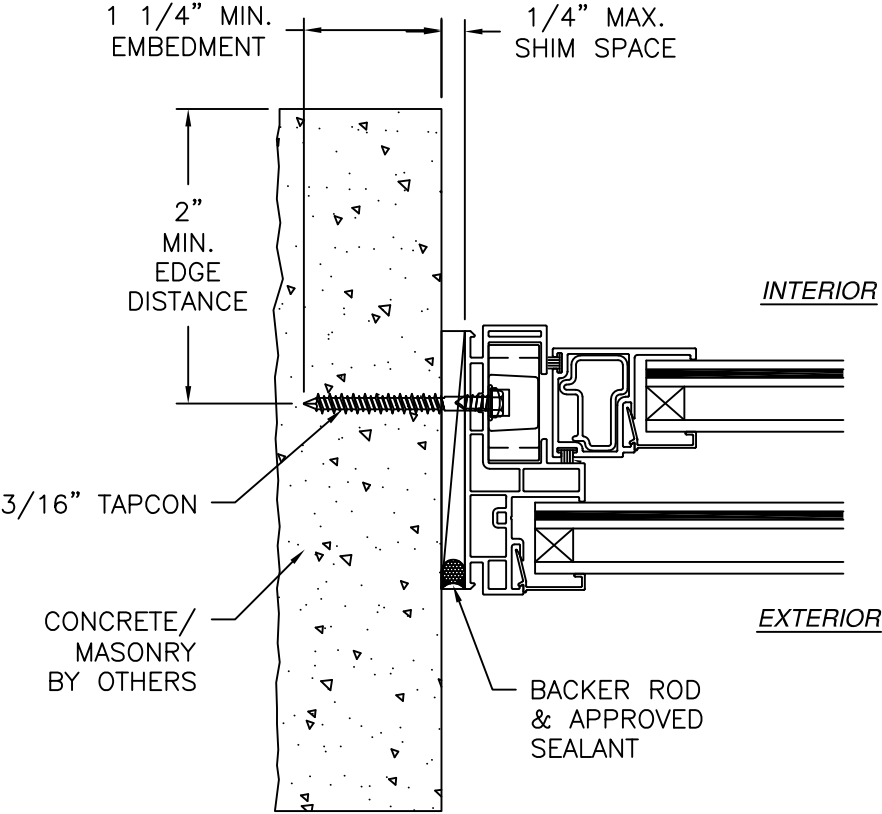


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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAILS



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

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3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

4000 VINYL SINGLE HUNG TILT WINDOW
IMPACT 48" X 72"
INSTALLATION DETAILS

DRAWN:

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08-03910

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SHEET

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OF

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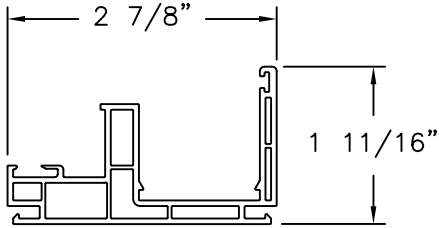
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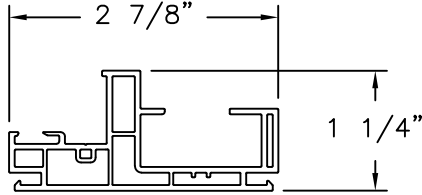
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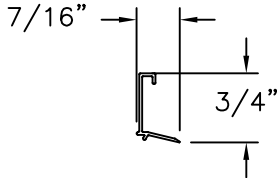
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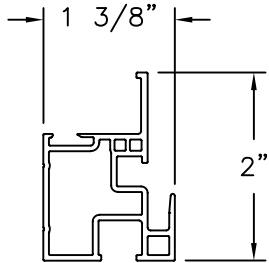
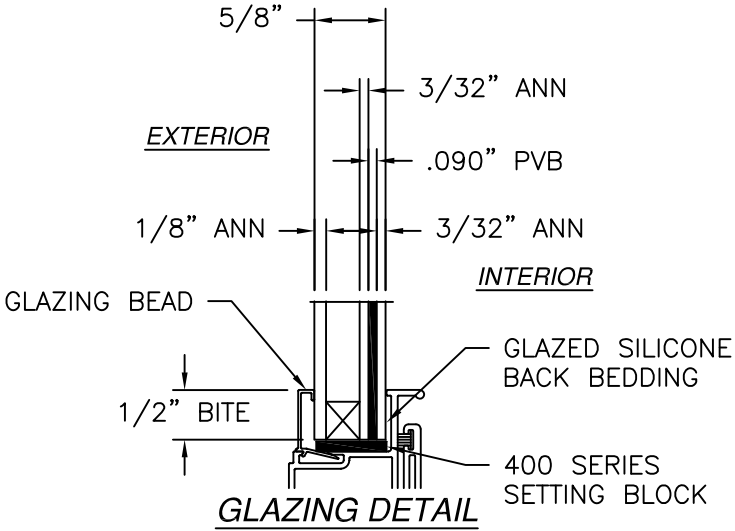
SILL (BP4002)
EXTRUDED RIGID PVC



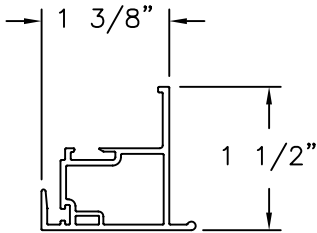
HEAD AND JAMB (BP4000)
EXTRUDED RIGID PVC



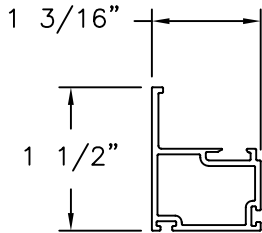
GLAZING BEAD (DT1720-R)
EXTRUDED RIGID PVC



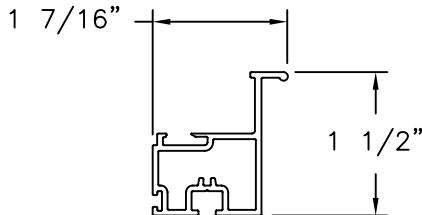
MEETING RAIL (BP4004)
EXTRUDED RIGID PVC



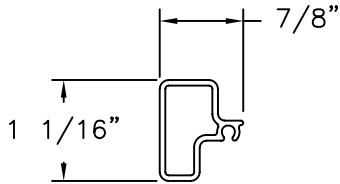
LOCK RAIL (BP4007)
EXTRUDED RIGID PVC



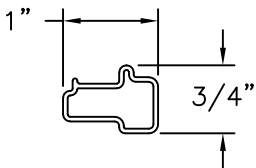
SASH STILE (BP4005)
EXTRUDED RIGID PVC



LIFT RAIL (BP4006)
EXTRUDED RIGID PVC



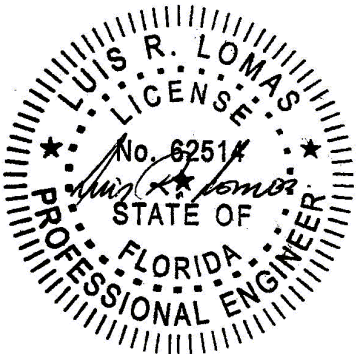
MEETING RAIL
REINFORCEMENT (203-A)
ALUMINUM 6063-T5



LOCK RAIL
REINFORCEMENT (204-B)
ALUMINUM 6063-T5

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