

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

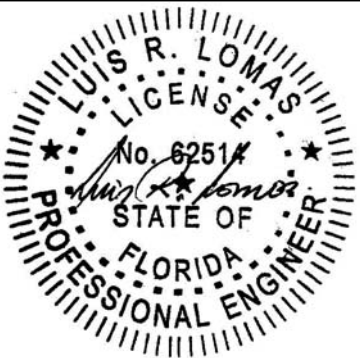
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND METAL STRUCTURE 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. 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”.
4. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
5. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. FRAME MATERIAL: EXTRUDED RIGID PVC.
7. UNITS MUST BE GLAZED PER ASTM E1300, REFER TO SHEET 6 FOR GLASS DETAILS.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
9. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. 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.
11. 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:
 - 11.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 11.2. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI

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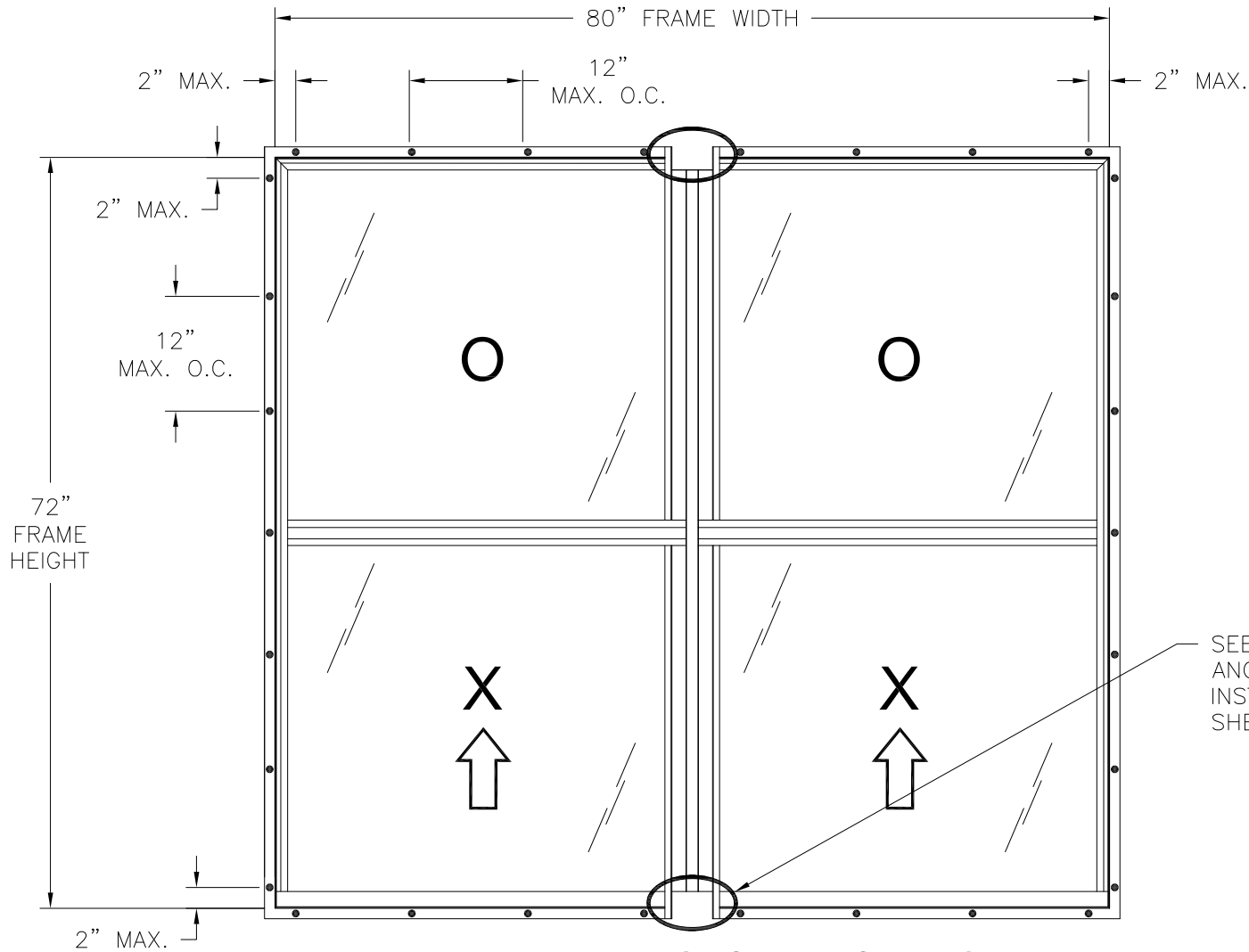
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KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
4000 VINYL TWIN SINGLE HUNG WINDOW IMPACT 80” X 72” NOTES		
DRAWN: A.R.	DWG NO. 08-03935	REV —
SCALE NTS	DATE 06/27/2023	SHEET 1 OF 6
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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- NOTES:
- SASH SIZE: 37 5/8" X 35 3/8"
 - FIXED D.L.O.: 37 1/8" X 33 3/16"
 - SASH D.L.O.: 34 7/16" X 32 5/16"

Chart #1
Maximum Design pressure (psf)

Frame Height (in)	Frame Width (in)											
	66.0		72.0		78.0		80.0		84.0		90.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
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
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
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
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
54.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
60.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
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	-	-	-	-
78.0	45.1	45.1	42.0	42.0	-	-	-	-	-	-	-	-
84.0	35.8	35.8	-	-	-	-	-	-	-	-	-	-

4000 VINYL TWIN SINGLE HUNG WINDOW
EXTERIOR VIEW

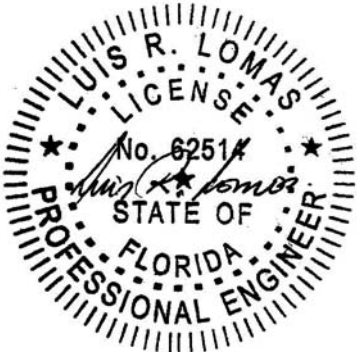
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE & SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4
FOR OTHER 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.	ONE METALLIC TILT LATCH AT EACH END OF SASH TOP RAIL
C.	ONE BLOCK AND TACKLE TYPE BALANCE PER JAMB
D.	ALUMINUM REINFORCEMENT (11585) INSIDE FIXED INTERLOCK
E.	ALUMINUM REINFORCEMENT (204-A) INSIDE SASH TOP RAIL AND STILES
F.	ALUMINUM REINFORCEMENT (11654) AT VERTICAL MULLION

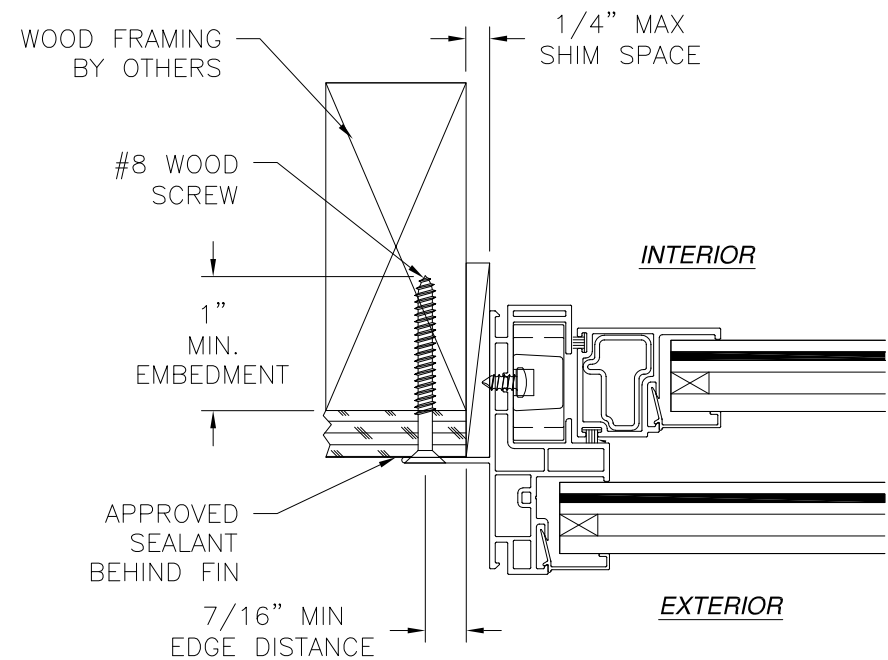
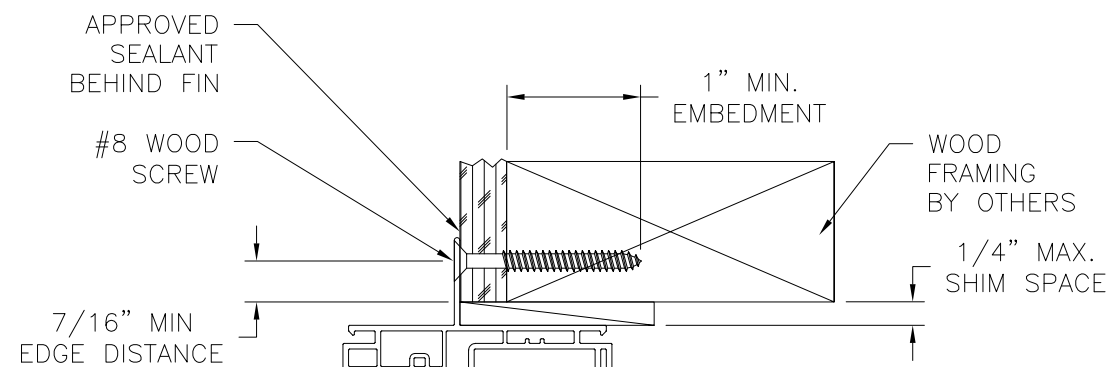
KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
4000 VINYL TWIN SINGLE HUNG WINDOW IMPACT 80" X 72" ELEVATION		
DRAWN: A.R.	DWG NO. 08-03935	REV -
SCALE NTS	DATE 06/27/2023	SHEET 2 OF 6
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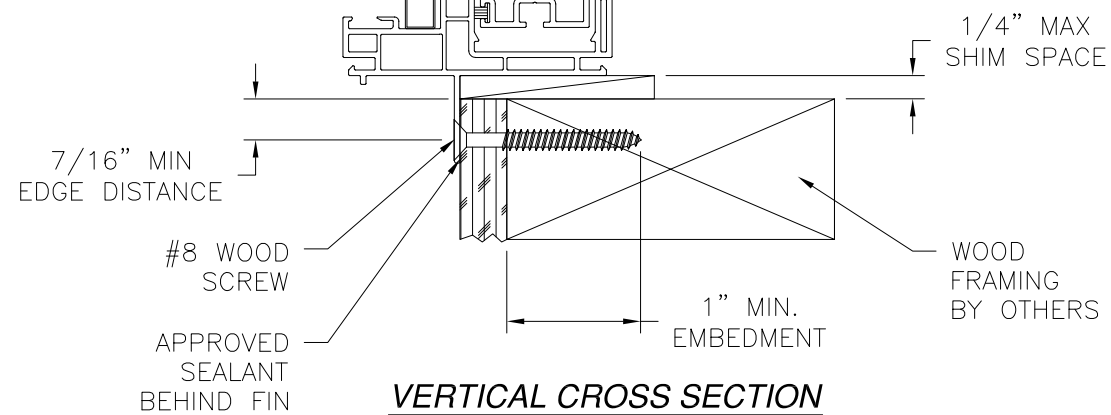


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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



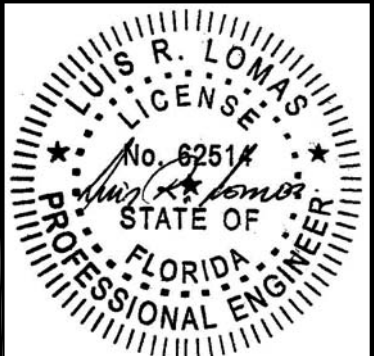
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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

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KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
4000 VINYL TWIN SINGLE HUNG WINDOW IMPACT 80" X 72" INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03935	REV -
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APPROVED SEALANT BEHIND FIN

#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

METAL STRUCTURE BY OTHERS

1/4" MAX SHIM SPACE

VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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METAL STRUCTURE BY OTHERS

1/4" MAX SHIM SPACE

#8 SMS OR SELF DRILLING SCREW

APPROVED SEALANT BEHIND FIN

7/16" MIN EDGE DISTANCE

INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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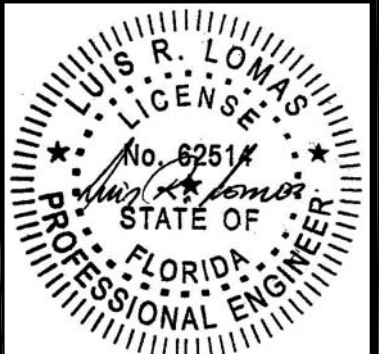
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3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

4000 VINYL TWIN SINGLE HUNG WINDOW
IMPACT 80" X 72"
INSTALLATION DETAILS

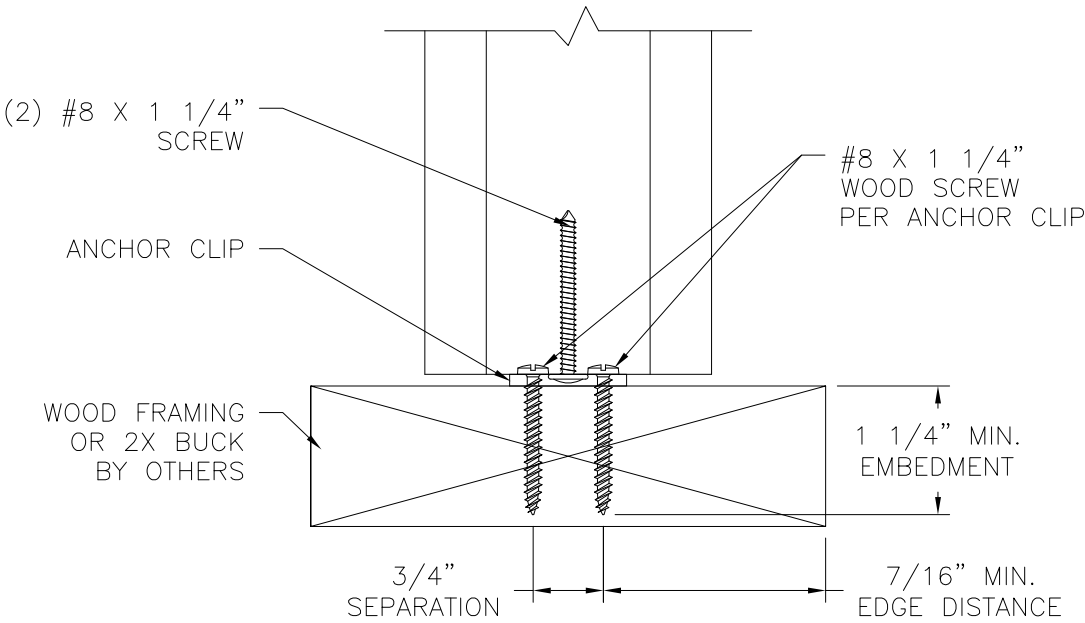
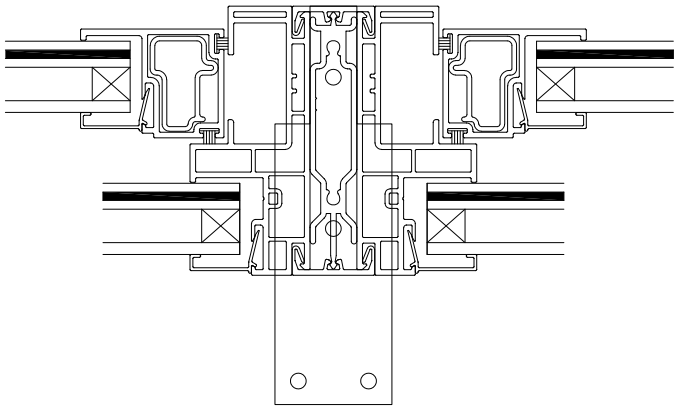
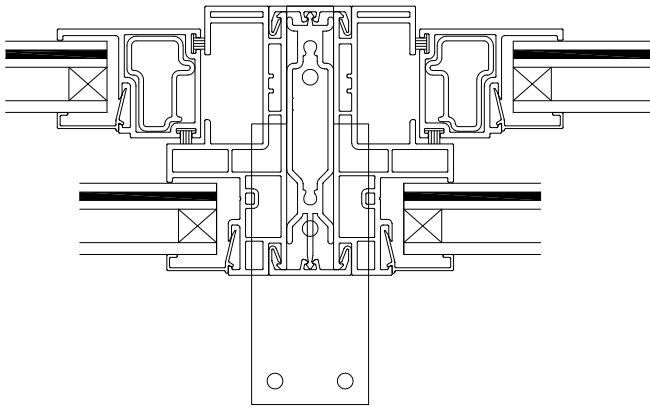
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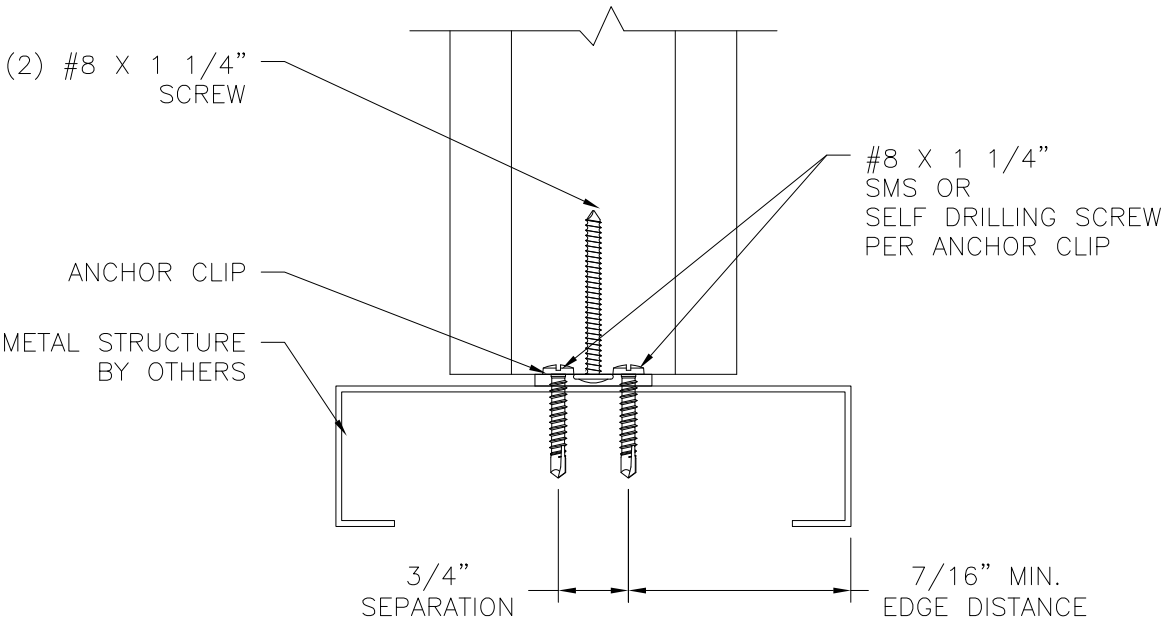


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VERTICAL MULLION ANCHOR CLIP DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL MULLION ANCHOR CLIP DETAIL
METAL STRUCTURE INSTALLATION

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DALLAS, TX 75212

4000 VINYL TWIN SINGLE HUNG WINDOW
IMPACT 80" X 72"
INSTALLATION DETAILS

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A.R.

DWG NO.

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SHEET

5

OF

6

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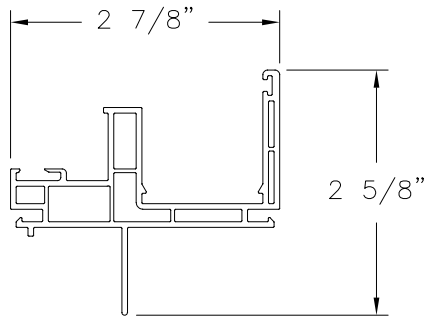
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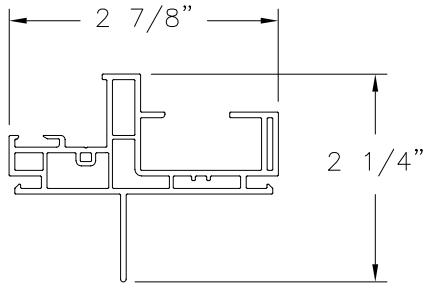


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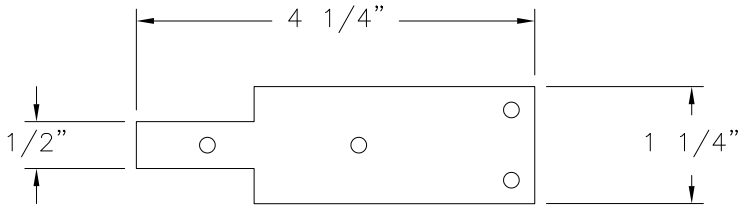
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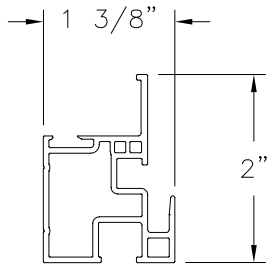
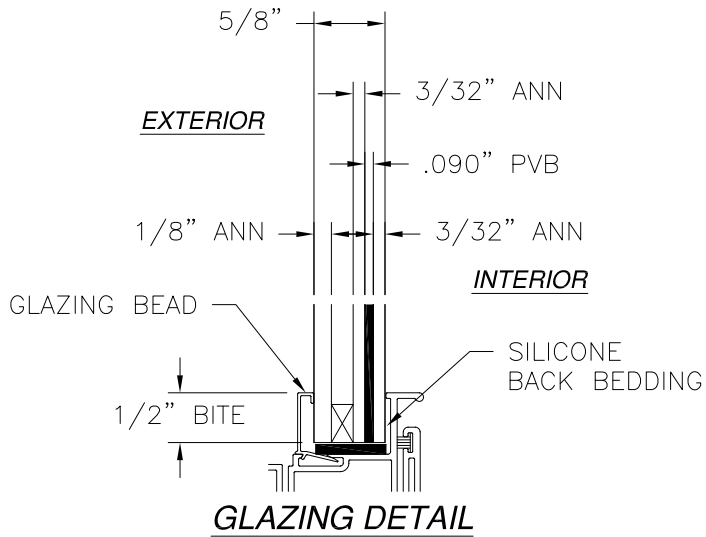
SILL (BP4002)
EXTRUDED RIGID PVC



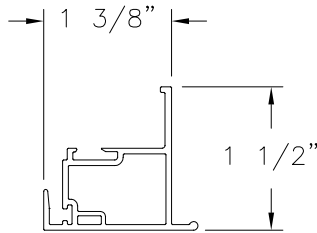
HEAD AND JAMB (BP4000)
EXTRUDED RIGID PVC



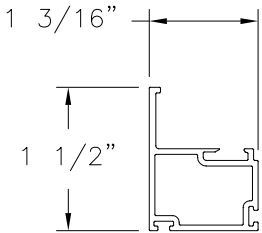
MULLION ANCHOR CLIP
ALUMINUM 6061-T6



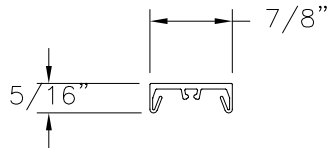
MEETING RAIL (BP4004)
EXTRUDED RIGID PVC



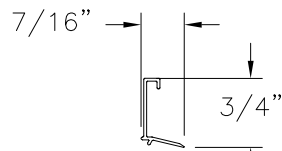
LOCK RAIL (BP4007)
EXTRUDED RIGID PVC



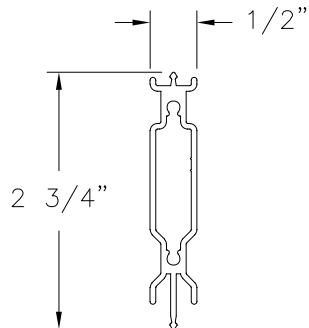
SASH STILE (BP4005)
EXTRUDED RIGID PVC



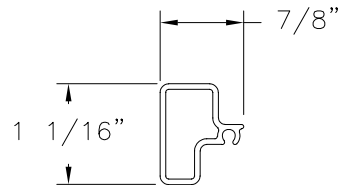
MULLION CLIP
EXTRUDED RIGID PVC



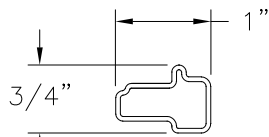
GLAZING BEAD (DT1720-R)
EXTRUDED RIGID PVC



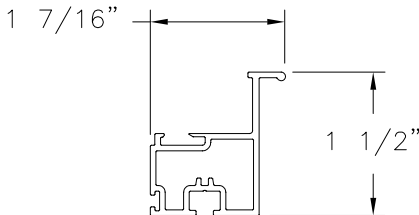
REINFORCEMENT (12239-H)
ALUMINUM 6063-T5



**MEETING RAIL
REINFORCEMENT (11585)**
ALUMINUM 6063-T5



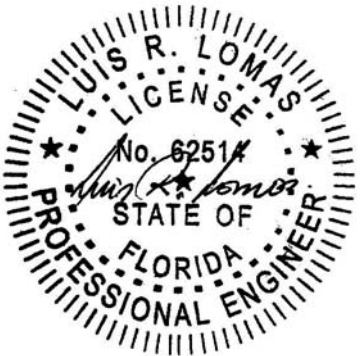
**LOCK RAIL/ STILE
REINFORCEMENT (204A)**
ALUMINUM 6063-T5



LIFT RAIL (BP4006)
EXTRUDED RIGID PVC

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4000 VINYL TWIN SINGLE HUNG WINDOW IMPACT 80" X 72" COMPONENTS		
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SCALE NTS	DATE 06/27/2023	SHEET 6 OF 6
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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