

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 5 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

SIGNED: 10/19/2023

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KRESTMARK INDUSTRIES, L.P.
3950 BASTILLE RD., SUITE 100
DALLAS, TX 75212

4000/4750 VINYL SINGLE HUNG TILT WINDOW
IMPACT 36” X 72”
NOTES

DRAWN:
A.R.

DWG NO.
08-03914

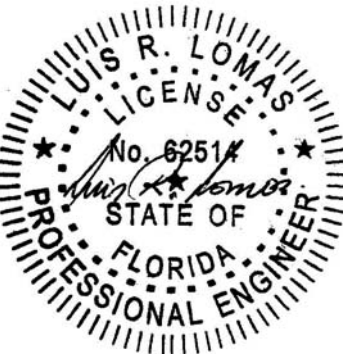
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SCALE NTS

DATE 06/06/2023

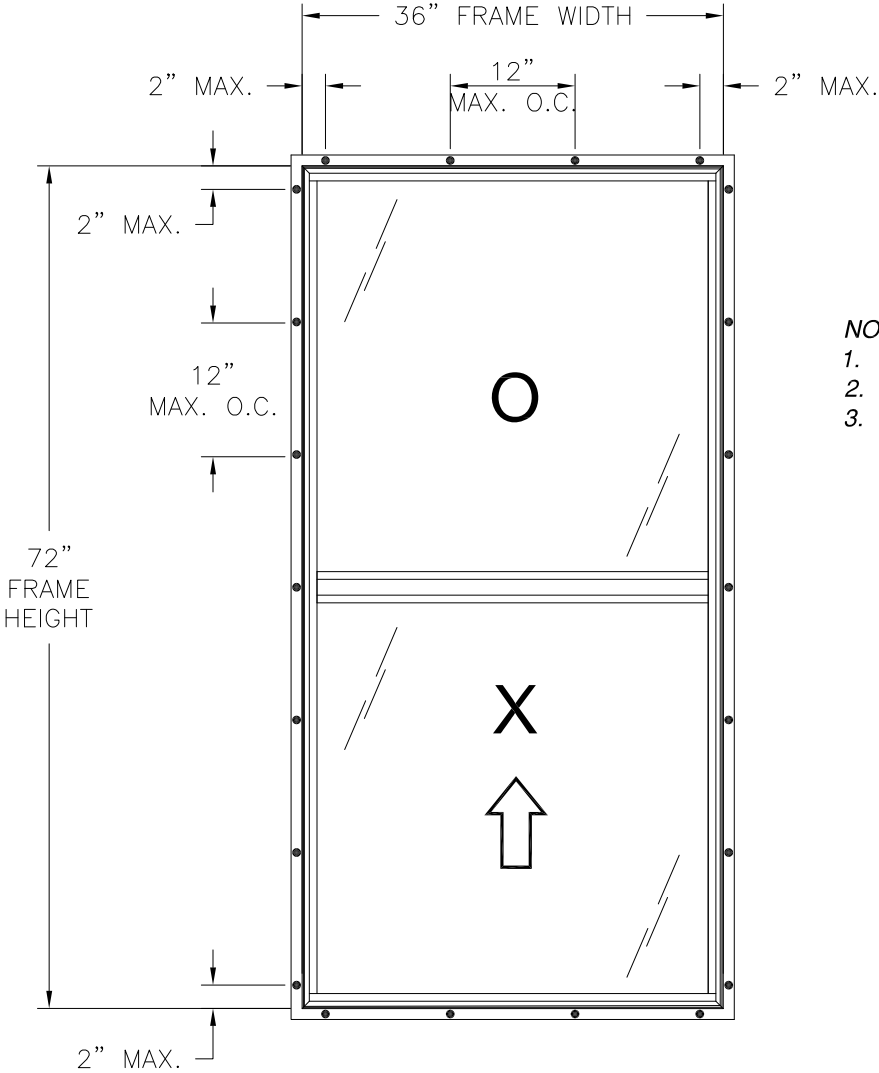
SHEET 1 OF 5

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com



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

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- NOTES:
1. SASH SIZE: 33 1/2" X 35 7/16"
 2. SASH D.L.O.: 30 1/2" X 32 1/16"
 3. FIXED D.L.O.: 33" X 33 3/16"

4000/4750 VINYL SINGLE HUNG TILT WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	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

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	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	49.8	49.8	34.8	34.8	25.3	25.3
30.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	40.4	40.4	28.2	28.2	20.4	20.4
36.0	60.0	60.0	60.0	60.0	60.0	60.0	52.1	52.1	34.3	34.3	23.8	23.8	17.2	17.2
42.0	60.0	60.0	60.0	60.0	60.0	60.0	45.9	45.9	30.0	30.0	20.7	20.7	-	-
48.0	60.0	60.0	60.0	60.0	60.0	60.0	41.5	41.5	26.9	26.9	18.5	18.5	-	-
54.0	60.0	60.0	60.0	60.0	60.0	60.0	38.3	38.3	24.6	24.6	-	-	-	-
60.0	60.0	60.0	60.0	60.0	60.0	60.0	36.0	36.0	-	-	-	-	-	-
66.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-
72.0	60.0	60.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-
78.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-
84.0	60.0	60.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-
90.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-
96.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-
102.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-
108.0	60.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-

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IMPACT 36" X 72"
ELEVATIONS

DRAWN:
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SHEET
2 OF 5

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APPROVED SEALANT BEHIND FIN

#8 WOOD SCREW

7/16" MIN EDGE DISTANCE

1" MIN. EMBEDMENT

WOOD FRAMING BY OTHERS

1/4" MAX. SHIM SPACE

EXTERIOR

INTERIOR

7/16" MIN EDGE DISTANCE

#8 WOOD SCREW

APPROVED SEALANT BEHIND FIN

1" MIN. EMBEDMENT

WOOD FRAMING BY OTHERS

1/4" MAX SHIM SPACE

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

WOOD FRAMING BY OTHERS

#8 WOOD SCREW

1" MIN. EMBEDMENT

APPROVED SEALANT BEHIND FIN

7/16" MIN EDGE DISTANCE

1/4" MAX SHIM SPACE

INTERIOR

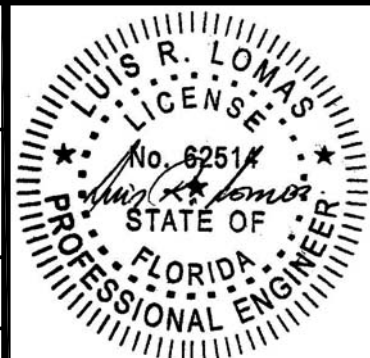
EXTERIOR

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

SIGNED: 10/19/2023

KRESTMARK INDUSTRIES, L.P. 3950 BASTILLE RD., SUITE 100 DALLAS, TX 75212		
4000/4750 VINYL SINGLE HUNG TILT WINDOW IMPACT 36" X 72" FIN INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03914	REV -
SCALE NTS	DATE 06/06/2023	SHEET 3 OF 5
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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

1/4" MAX SHIM SPACE

METAL STRUCTURE BY OTHERS

VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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

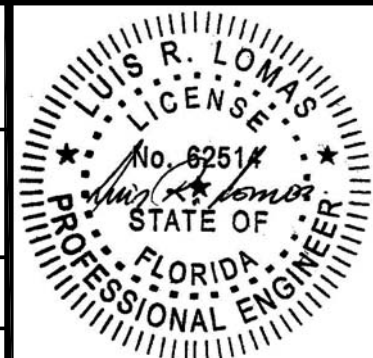
EXTERIOR

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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

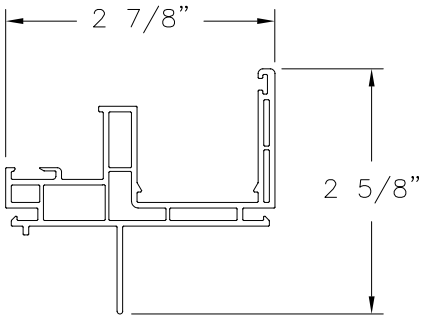
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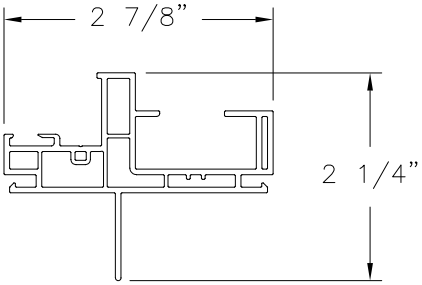


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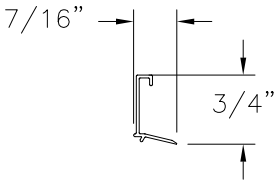
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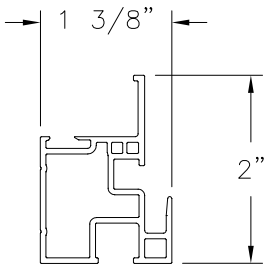
SILL (4002)
EXTRUDED RIGID PVC



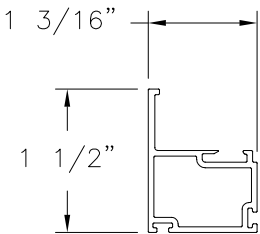
HEAD/JAMB (4000)
EXTRUDED RIGID PVC



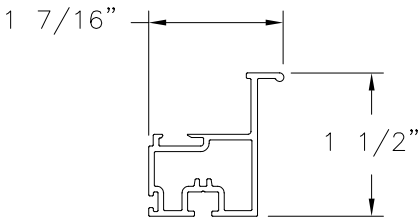
GLAZING BEAD (DT1720-R)
EXTRUDED RIGID PVC



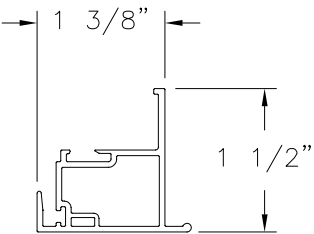
MEETING RAIL (4004)
EXTRUDED RIGID PVC



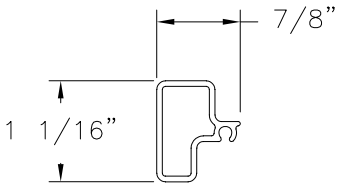
SASH STILE (4005)
EXTRUDED RIGID PVC



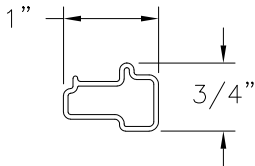
LIFT RAIL (4006)
EXTRUDED RIGID PVC



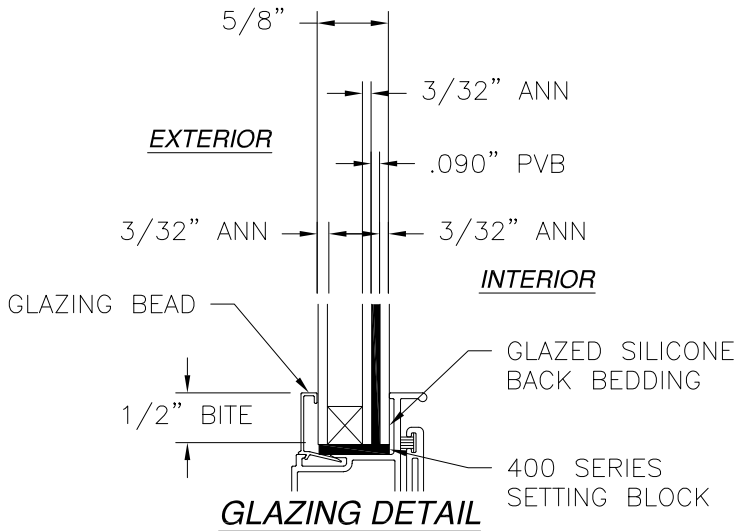
LOCK RAIL (4007)
EXTRUDED RIGID PVC



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

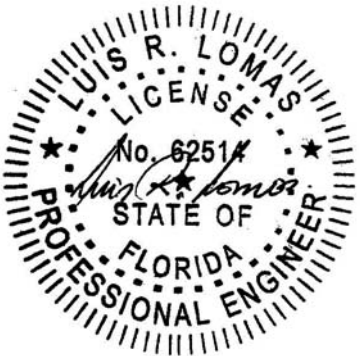


**LOCK RAIL/ STILE
REINFORCEMENT (11581)**
ALUMINUM 6063-T5



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