

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/31/2023	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
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. 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.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/8” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING FIN INTO STEEL STUDS 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.
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 3/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 1/2” 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:

19.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

19.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

19.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

19.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM
20. UNITS MAY BE INSTALLED HORIZONTALLY OR VERTICALLY.

SIGNED: 10/31/2023

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2	ELEVATION
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MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030–0370

SERIES 3500 HP, HPPW, HPSDLITES, HPSP, HPT,
1255 HPPW PVC FIXED WINDOW NON–IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08–01774

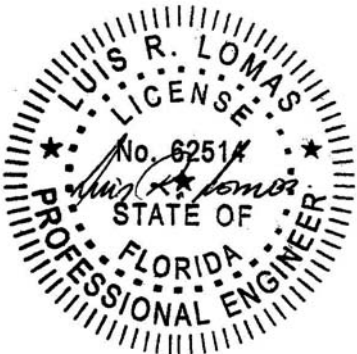
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DATE 09/13/12

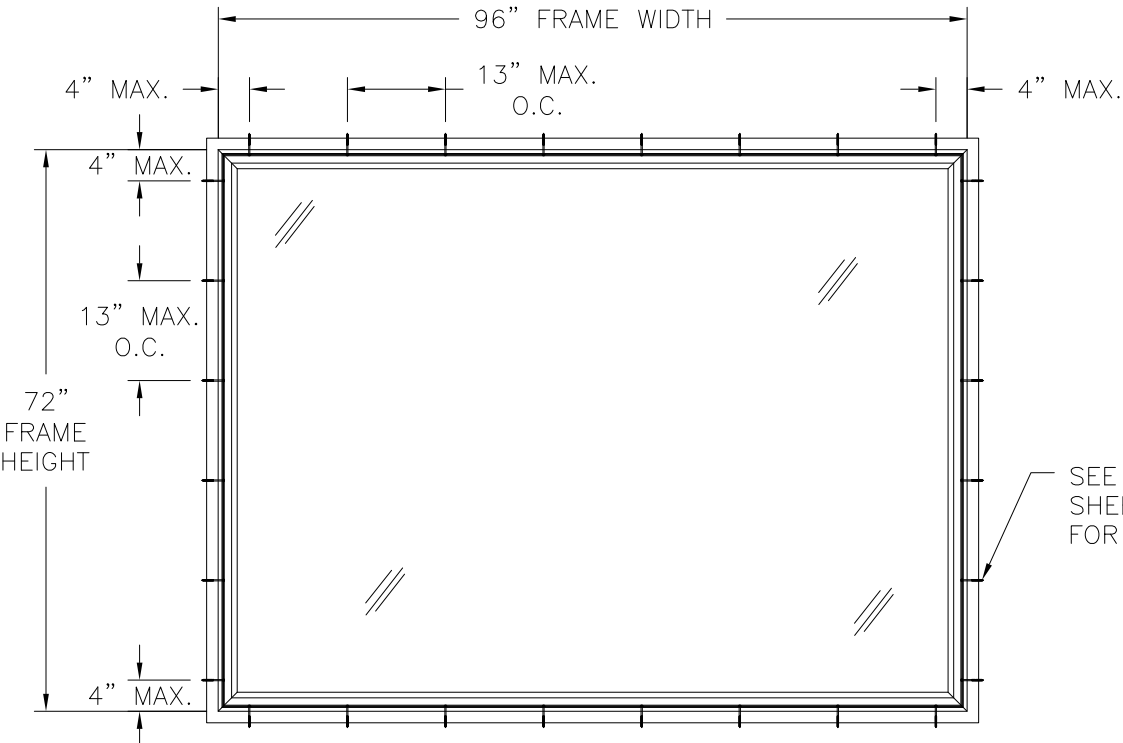
SHEET 1 OF 10

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434-688-0609 rllomas@lrlomaspe.com



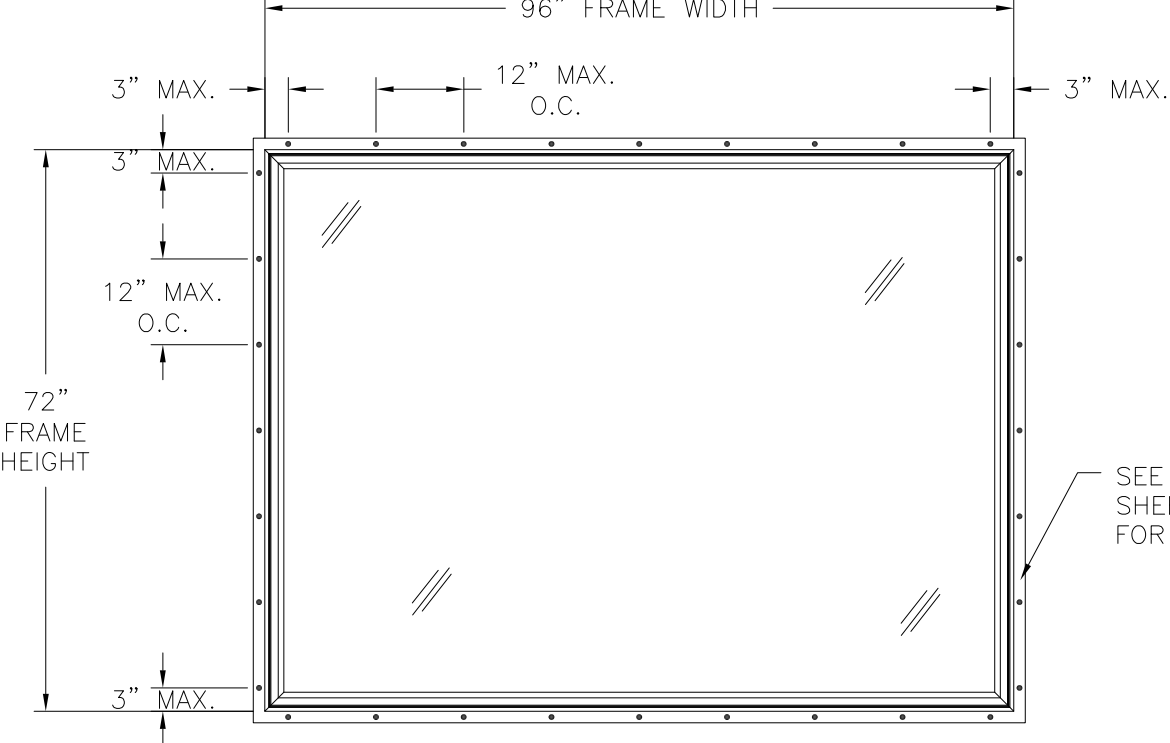
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*SERIES 3500 HP, 3500 HPPW, 3500 HPSDLITES,
3500 HPSP, 3500 HPT, 1255 HPPW
PVC FIXED WINDOW
FLANGE INSTALLATION*

SEE CHART #1
SHEET 3
FOR OTHER SIZES



*SERIES 3500 HP, 3500 HPPW, 3500 HPSDLITES,
3500 HPSP, 3500 HPT, 1255 HPPW
PVC FIXED WINDOW
FIN INSTALLATION*

SEE CHART #2
SHEET 3
FOR OTHER SIZES

DESIGN PRESSURE RATING	IMPACT RATING
± 55.0 PSF	NONE

96" x 72" FRAME SIZE SHOWN. OTHER SIZES ARE APPROVED AS LONG
AS INDIVIDUAL FRAME AREA DOES NOT EXCEED 48.0 FT²

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MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3500 HP, HPPW, HPSDLITES, HPSP, HPT, 1255 HPPW PVC FIXED WINDOW NON-IMPACT ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-01774	REV C
SCALE NTS	DATE 09/13/12	SHEET 2 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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CHART #1

Number of anchor locations required																										
Frame Height (in)	Frame width (in)																									
	24.00		30.00		36.00		42.00		48.00		54.00		60.00		66.00		72.00		78.00		84.00		90.00		96.00	
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb
24.00	3	3	3	3	4	3	4	3	5	3	5	3	5	3	6	3	6	3	7	3	7	3	8	3	8	3
30.00	3	3	3	3	4	3	4	3	5	3	5	3	5	3	6	3	6	3	7	3	7	3	8	3	8	3
36.00	3	4	3	4	4	4	4	4	5	4	5	4	5	4	6	4	6	4	7	4	7	4	8	4	8	4
42.00	3	4	3	4	4	4	4	4	5	4	5	4	5	4	6	4	6	4	7	4	7	4	8	4	8	4
48.00	3	5	3	5	4	5	4	5	5	5	5	5	5	5	6	5	6	5	7	5	7	5	8	5	8	5
54.00	3	5	3	5	4	5	4	5	5	5	5	5	5	5	6	5	6	5	7	5	7	5	8	5	8	5
60.00	3	5	3	5	4	5	4	5	5	5	5	5	5	5	6	5	6	5	7	5	7	5	8	5	8	5
66.00	3	6	3	6	4	6	4	6	5	6	5	6	5	6	6	6	6	6	7	6	7	6	8	6	8	6
72.00	3	6	3	6	4	6	4	6	5	6	5	6	5	6	6	6	6	6	7	6	7	6	8	6	8	6

CHART #2

Number of anchor locations required																										
Frame Height (in)	Frame width (in)																									
	24.00		30.00		36.00		42.00		48.00		54.00		60.00		66.00		72.00		78.00		84.00		90.00		96.00	
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb
24.00	3	3	3	3	4	3	4	3	5	3	5	3	6	3	6	3	7	3	7	3	8	3	8	3	9	3
30.00	3	3	3	3	4	3	4	3	5	3	5	3	6	3	6	3	7	3	7	3	8	3	8	3	9	3
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42.00	3	4	3	4	4	4	4	4	5	4	5	4	6	4	6	4	7	4	7	4	8	4	8	4	9	4
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54.00	3	5	3	5	4	5	4	5	5	5	5	5	6	5	6	5	7	5	7	5	8	5	8	5	9	5
60.00	3	6	3	6	4	6	4	6	5	6	5	6	6	6	6	6	7	6	7	6	8	6	8	6	9	6
66.00	3	6	3	6	4	6	4	6	5	6	5	6	6	6	6	6	7	6	7	6	8	6	8	6	9	6
72.00	3	7	3	7	4	7	4	7	5	7	5	7	6	7	6	7	7	7	7	7	8	7	8	7	9	7

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650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3500 HP, HPPW, HPSDLITES, HPSP, HPT,
1255 HPPW PVC FIXED WINDOW NON-IMPACT
NUMBER OF ANCHORS CHARTS

DRAWN:
V.L.

DWG NO.
08-01774

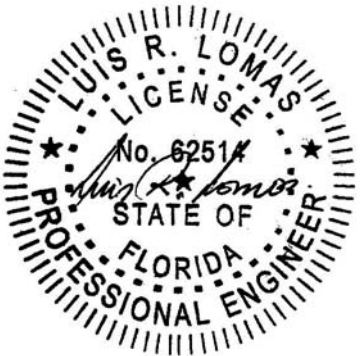
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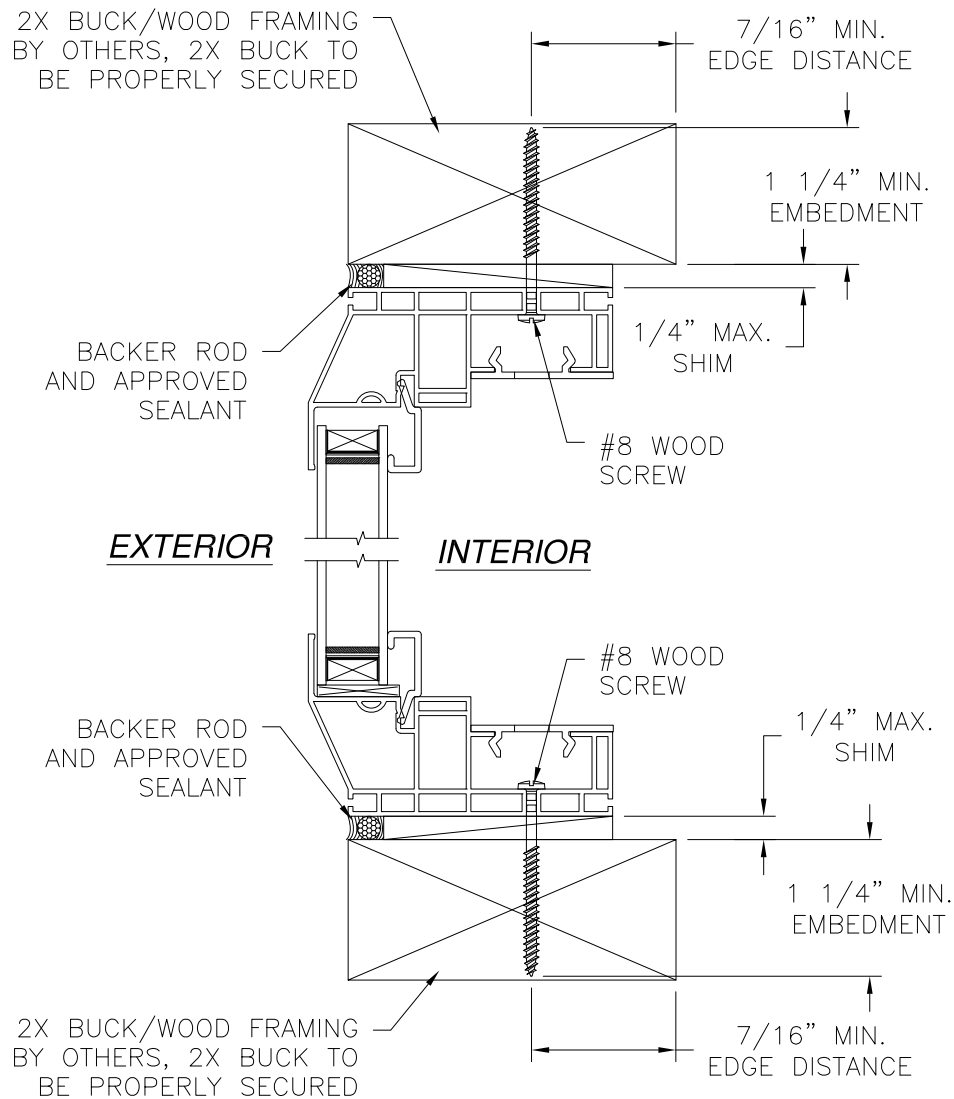
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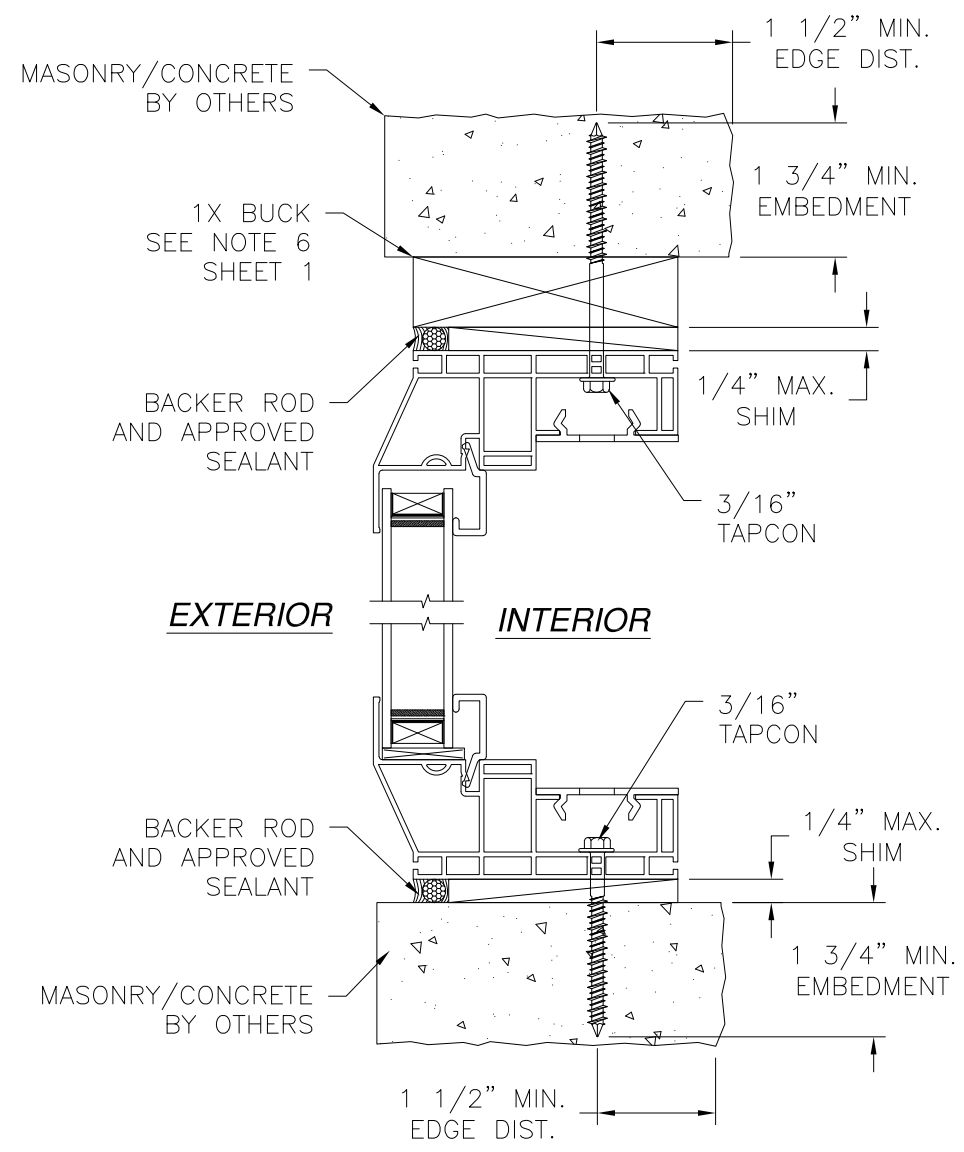
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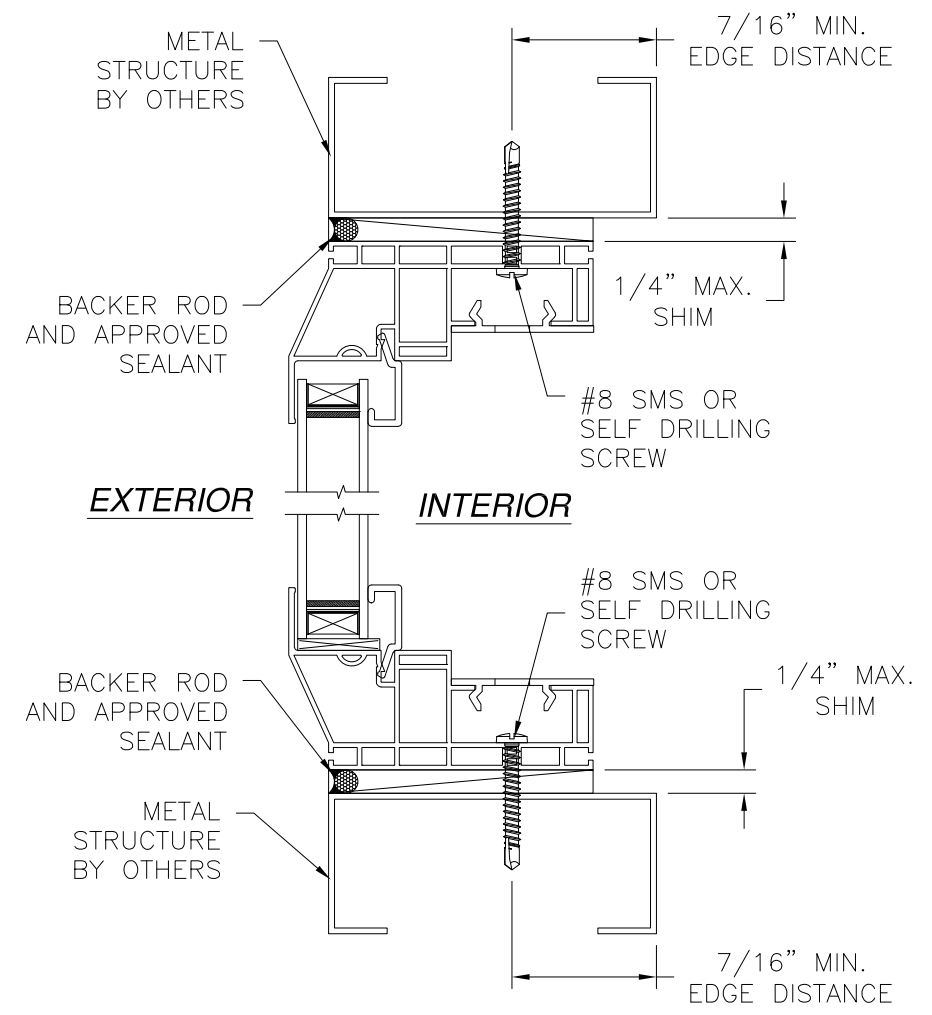
Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
2X BUCK/WOOD FLUSH INSTALLATION
HEAD AND SILL SHOWN, JAMBS SIMILAR



VERTICAL CROSS SECTION
MASONRY/CONCRETE WITH 1X BUCK INSTALLATION AT HEAD
FOR MASONRY/CONCRETE WITHOUT 1X BUCK REFER TO SILL
JAMBS SIMILAR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION
HEAD AND SILL SHOWN, JAMBS SIMILAR

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

MI WINDOWS & DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030-0370

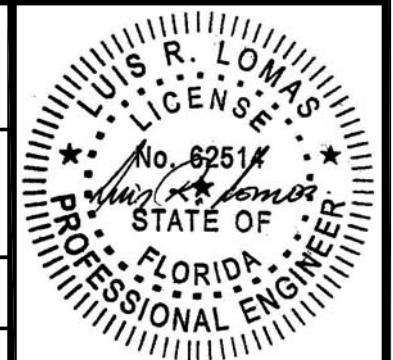
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1255 HPPW PVC FIXED WINDOW NON-IMPACT
INSTALLATION DETAILS

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SCALE NTS DATE 09/13/12 SHEET 4 OF 10

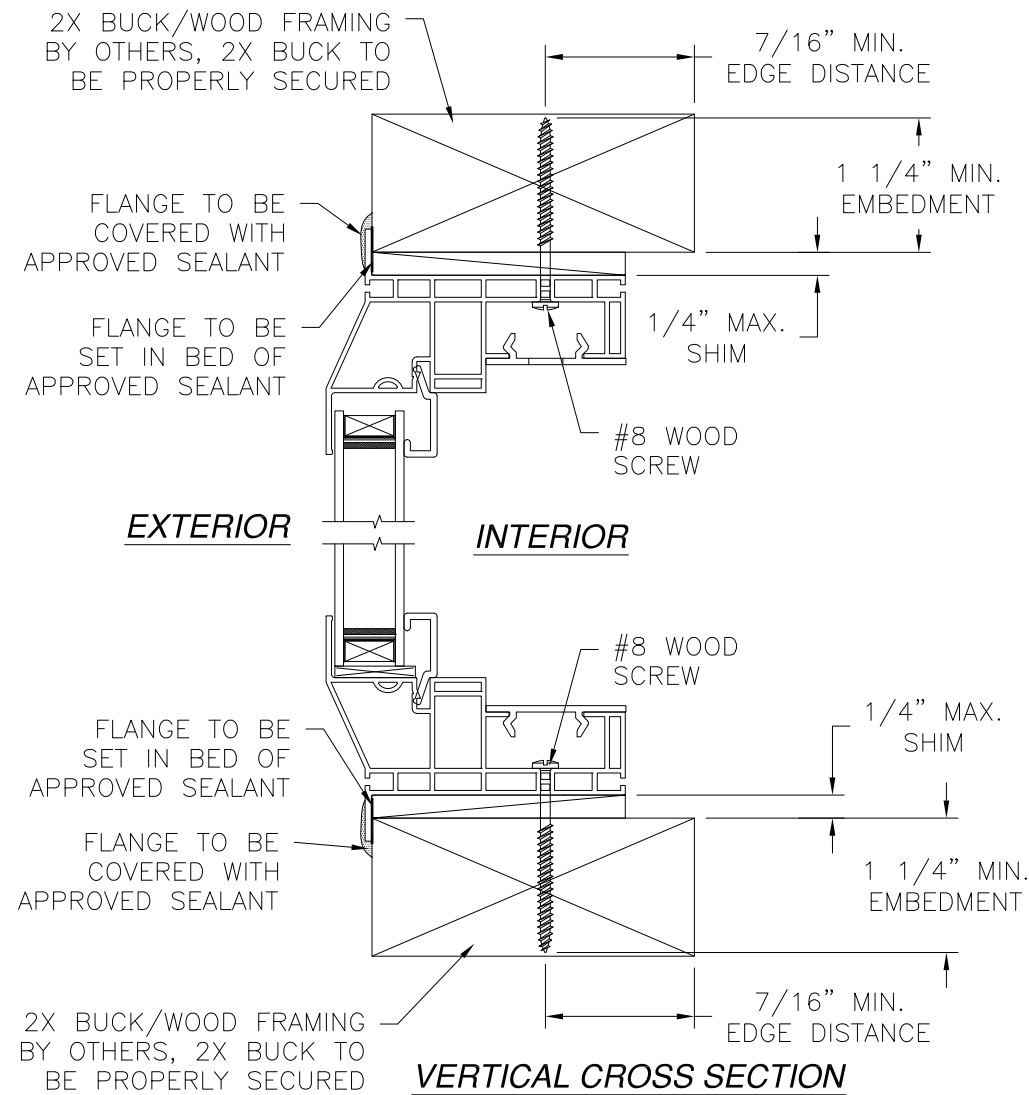
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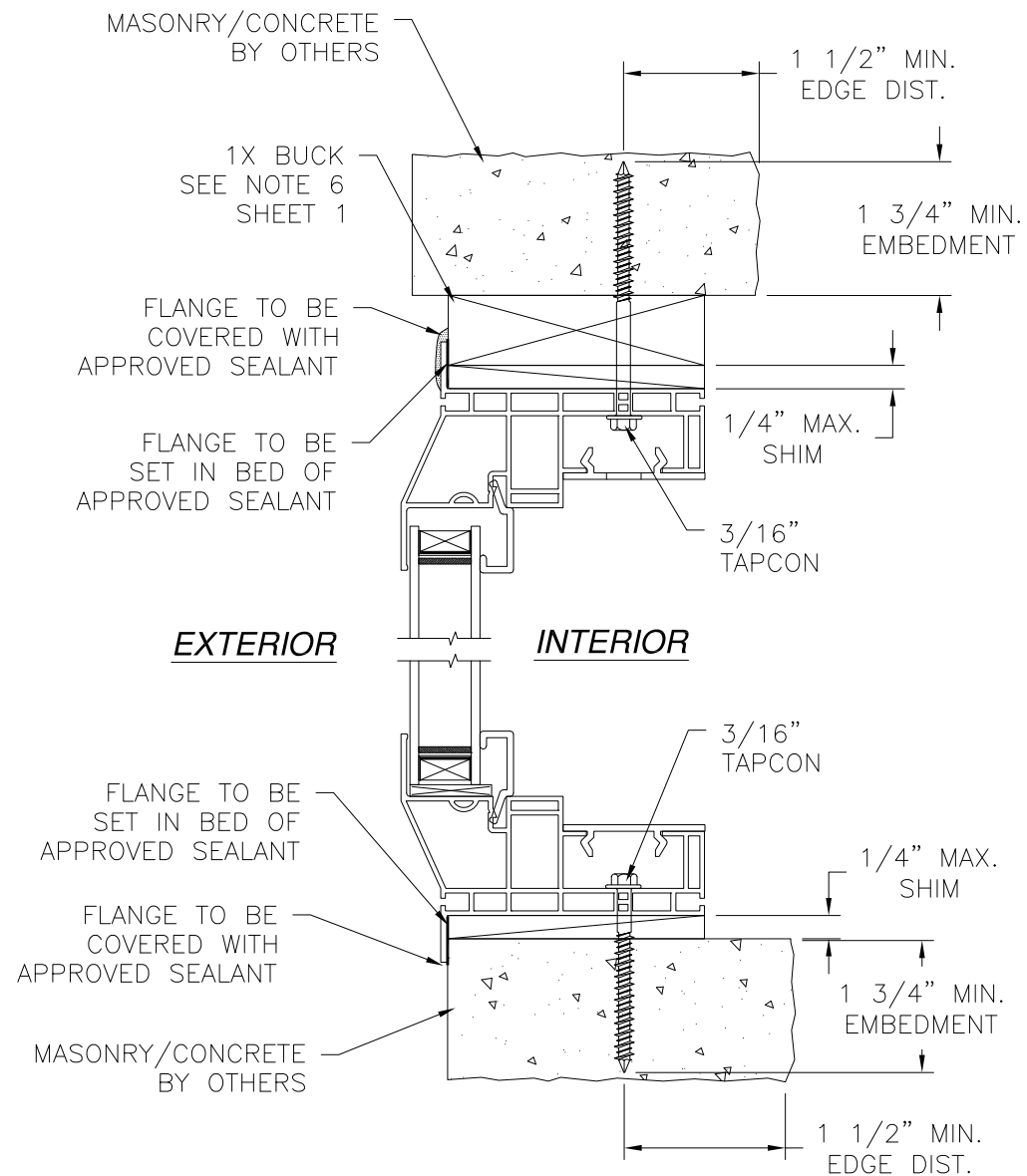


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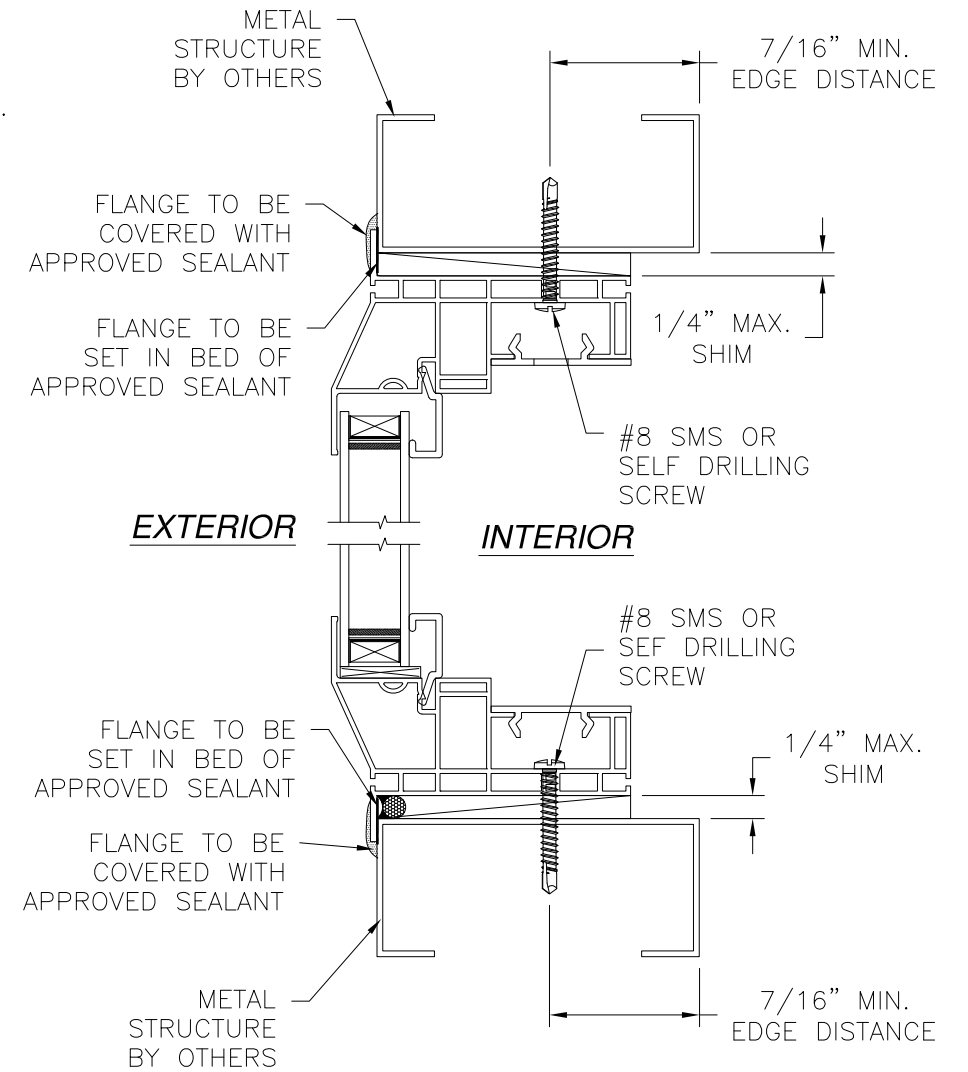
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VERTICAL CROSS SECTION
2X BUCK/WOOD FLANGE INSTALLATION
HEAD AND SILL SHOWN, JAMBS SIMILAR



VERTICAL CROSS SECTION
MASONRY/CONCRETE WITH 1X BUCK INSTALLATION AT HEAD
FOR MASONRY/CONCRETE WITHOUT 1X BUCK REFER TO SILL
JAMBS SIMILAR



VERTICAL CROSS SECTION
2X BUCK/WOOD FLANGE INSTALLATION
HEAD AND SILL SHOWN, JAMBS SIMILAR

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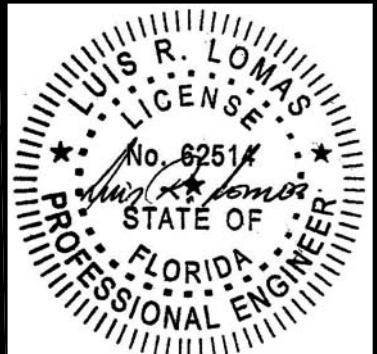
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INSTALLATION DETAILS

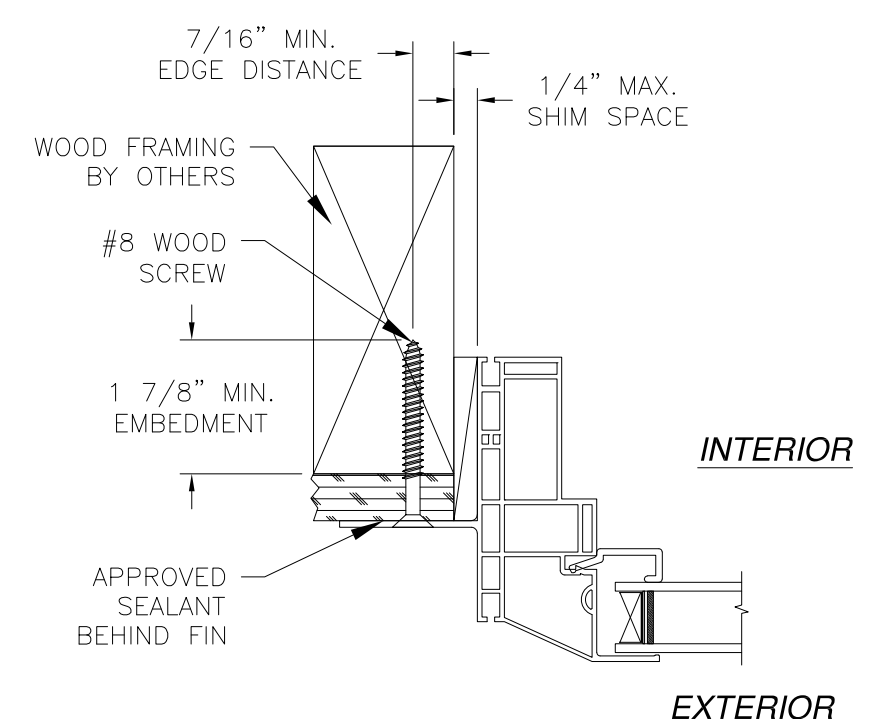
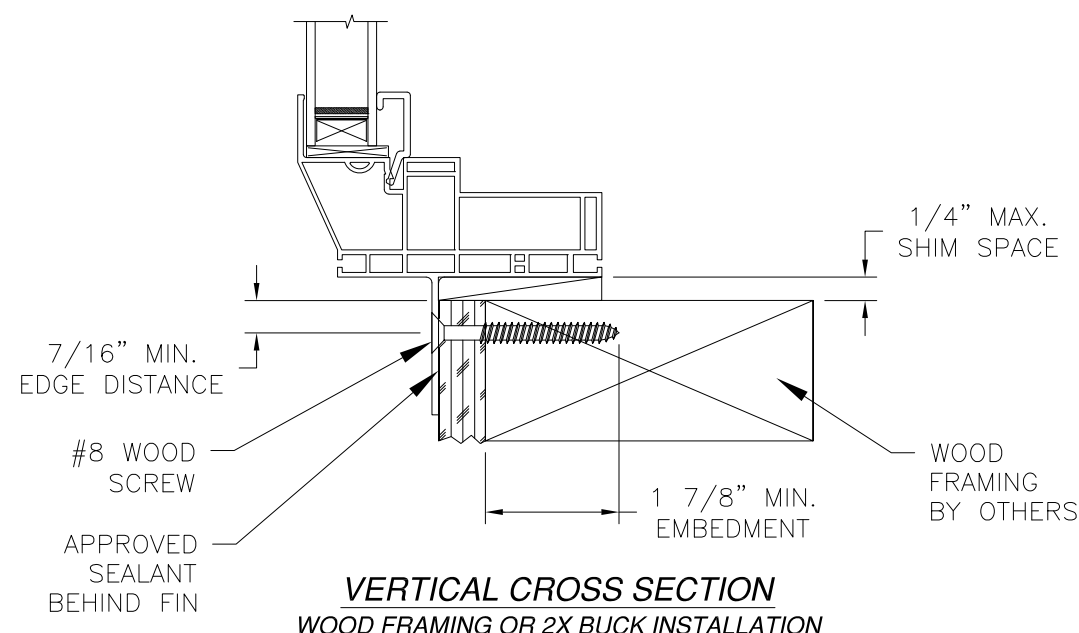
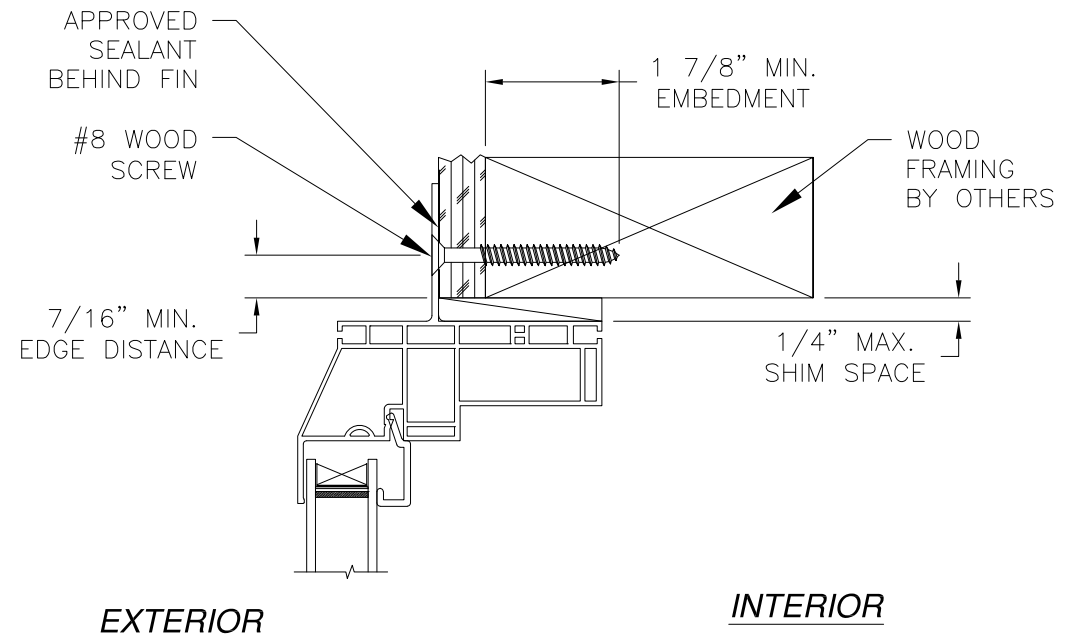
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SCALE NTS	DATE 09/13/12	SHEET 5 OF 10

L. ROBERTO LOMAS P.E.
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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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FIN INSTALLATION DETAILS

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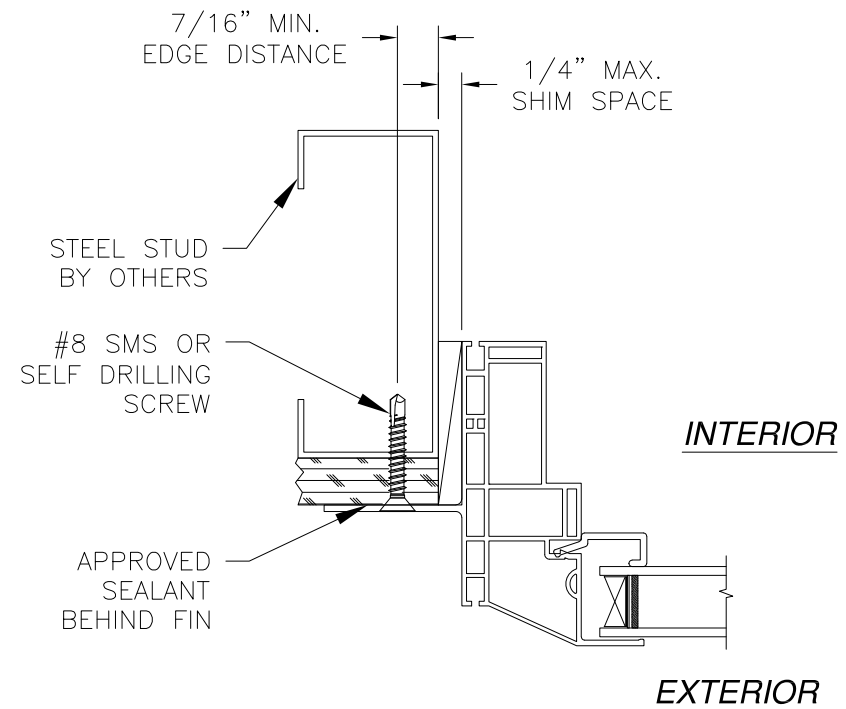
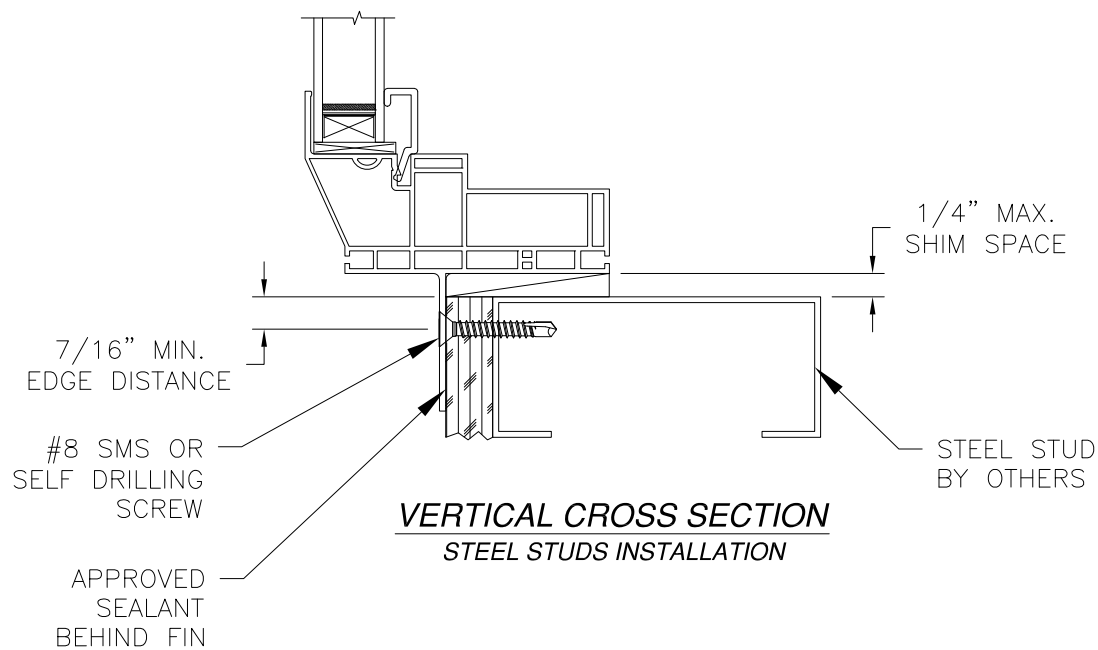
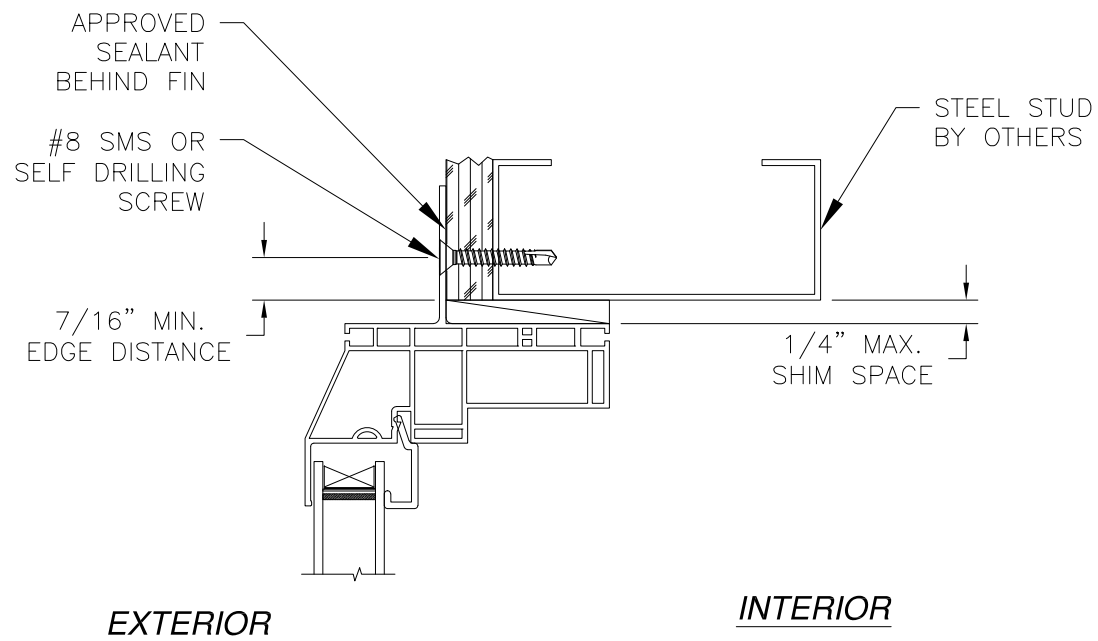
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SHEET
6 OF 10

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JAMB INSTALLATION DETAIL
STEEL STUDS INSTALLATION

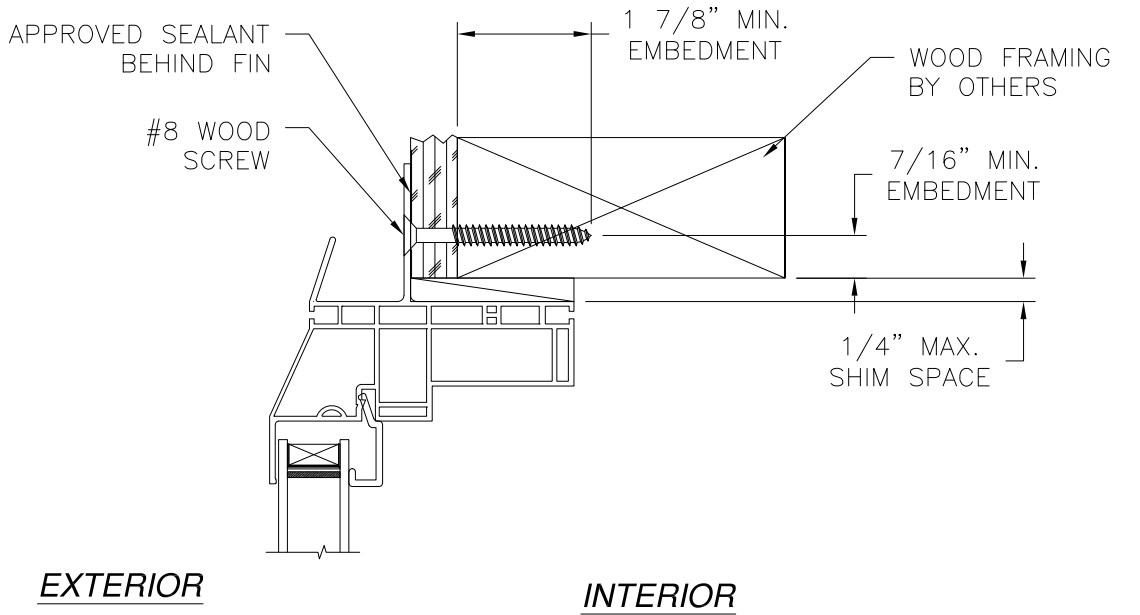
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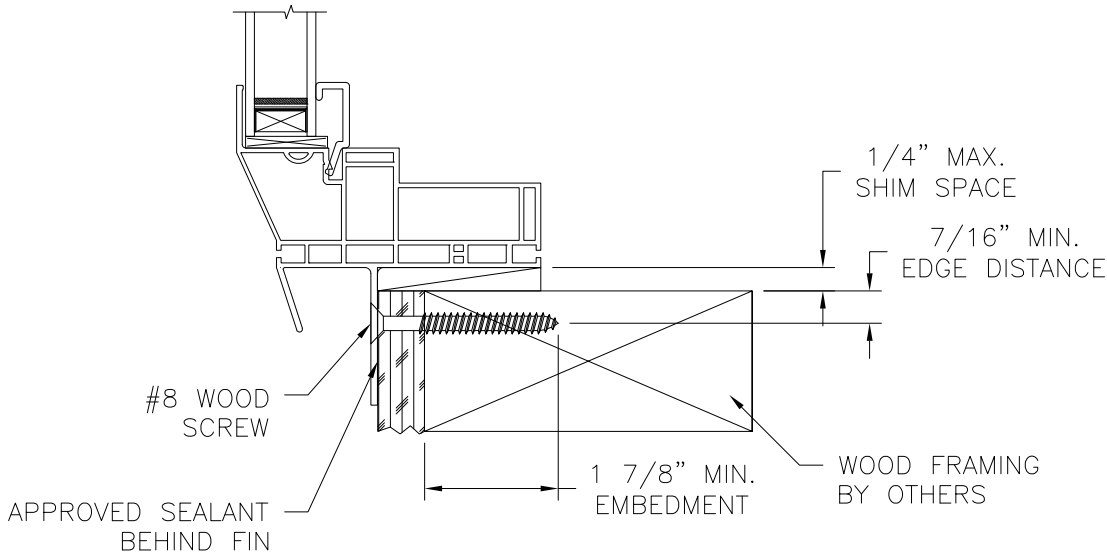
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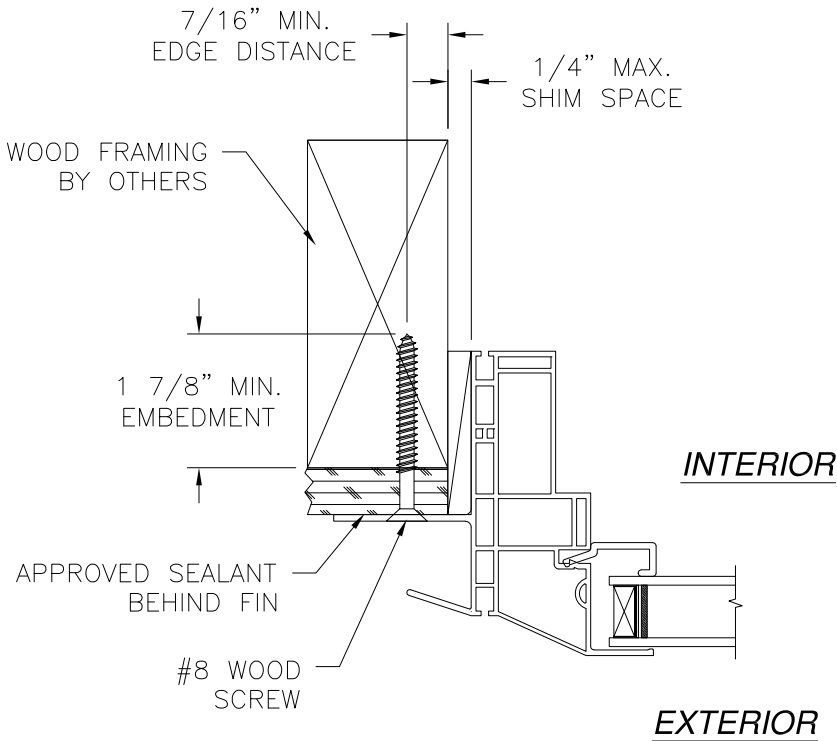
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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FIN INSTALLATION DETAILS W/J-CHANNEL

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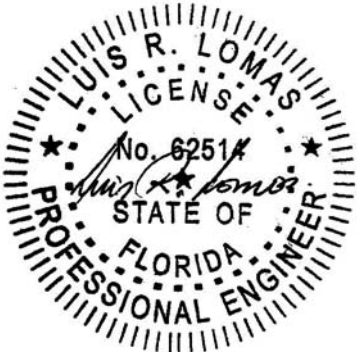
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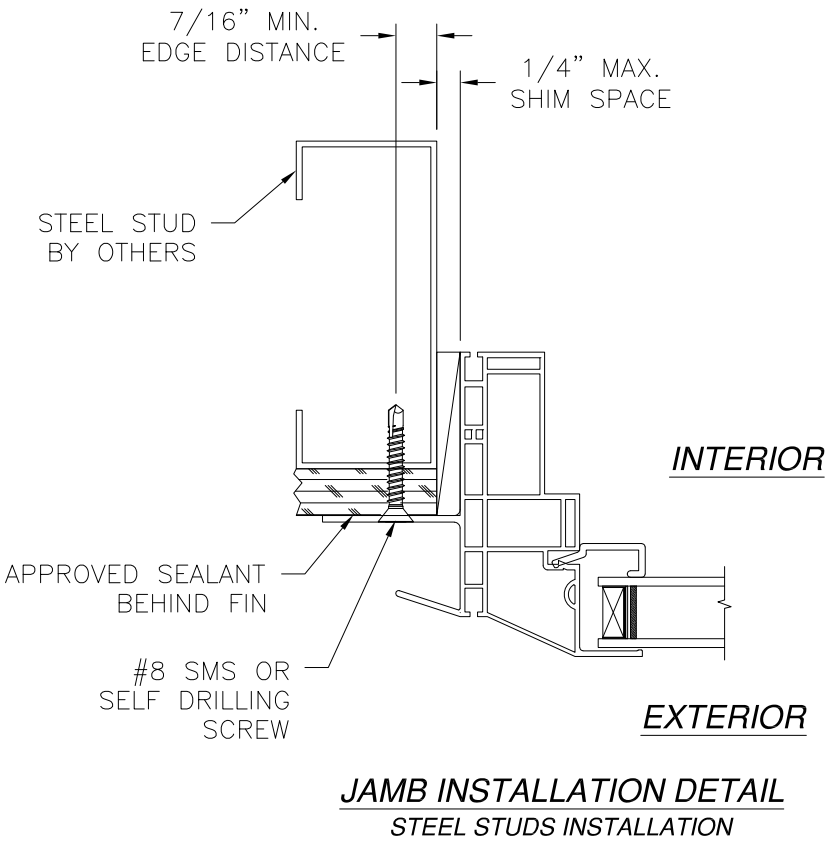
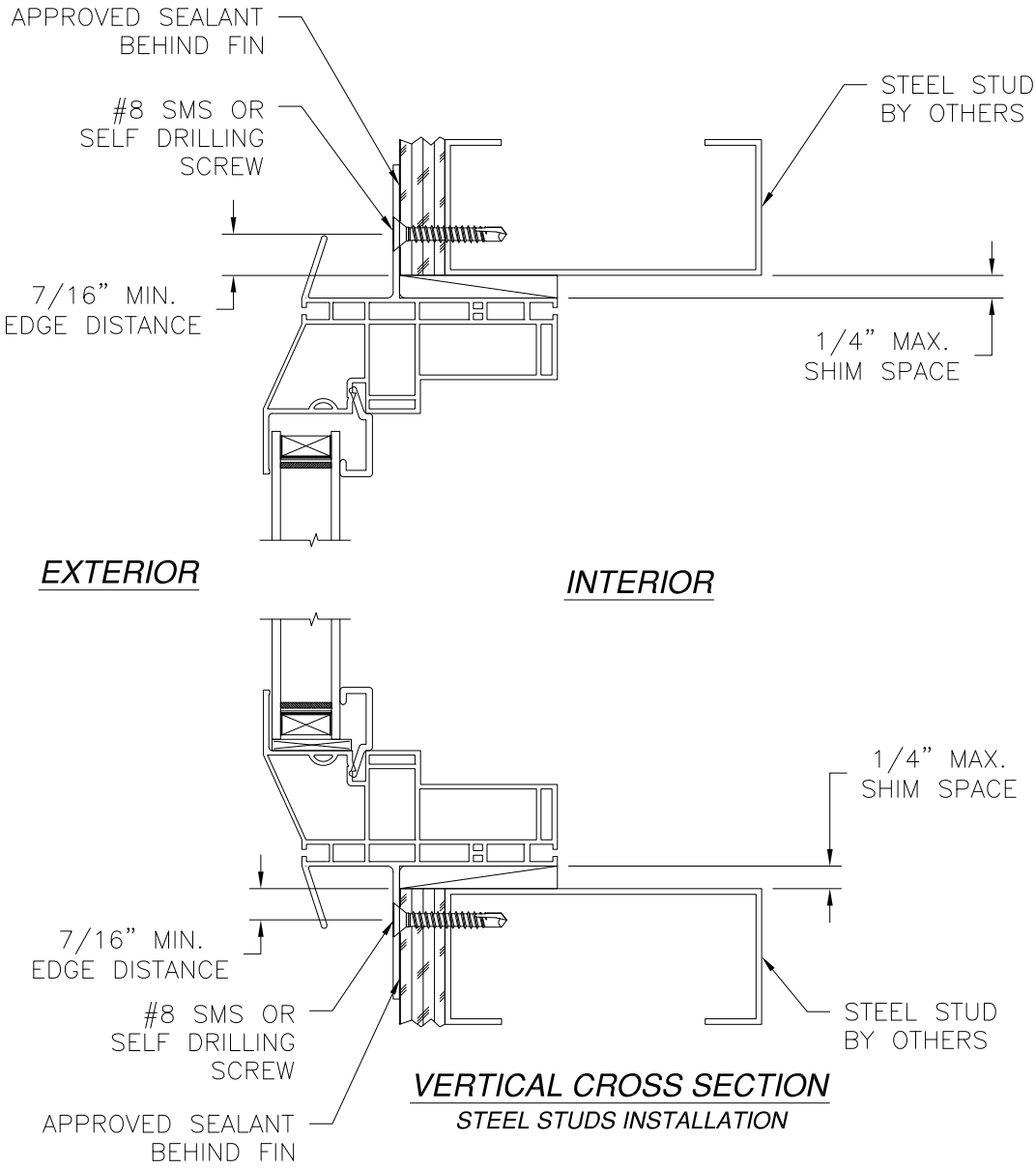
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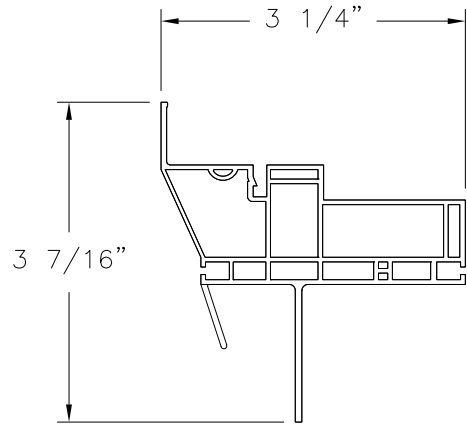
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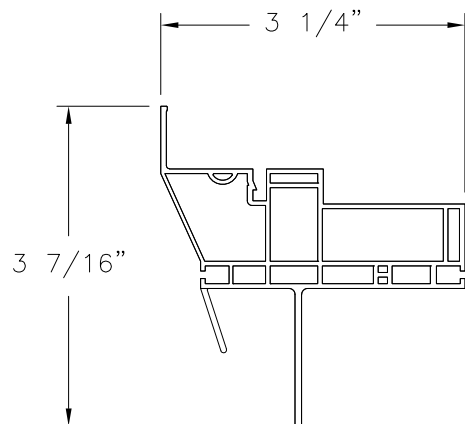


Luis R. Lomas P.E.
FL No.: 62514

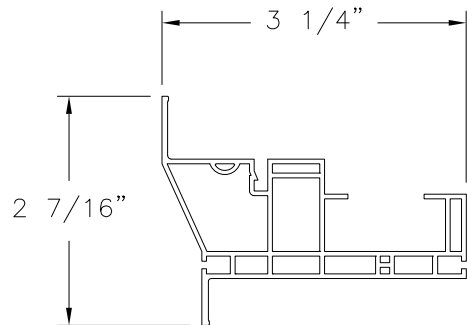
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/31/2023	R.L.



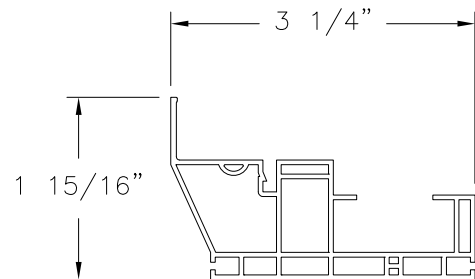
MAIN FRAME
FIN INSTALLATION W/J-CHANNEL
EXTRUDED RIGID PVC



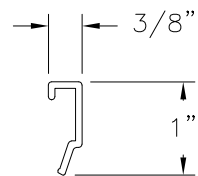
MAIN FRAME
FIN INSTALLATION
EXTRUDED RIGID PVC



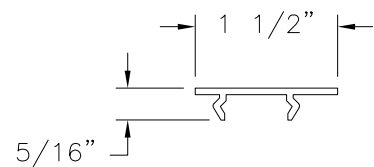
MAIN FRAME W/FLANGE
EXTRUDED RIGID PVC



MAIN FRAME
EXTRUDED RIGID PVC



GLAZING BEAD
EXTRUDED RIGID PVC



MAIN FRAME COVER
EXTRUDED RIGID PVC

SIGNED: 10/31/2023

MI WINDOWS & DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3500 HP, HPPW, HPSDLITES, HPSP, HPT, 1255 HPPW PVC FIXED WINDOW NON-IMPACT COMPONENTS		
DRAWN: V.L.	DWG NO. 08-01774	REV C
SCALE NTS	DATE 09/13/12	SHEET 10 OF 10
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



Luis R. Lomas P.E.
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