

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED ANCHORING DETAILS	03/12/2024	R.L.

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.
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 #6 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FIN INTO METAL FRAMING USE #6 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 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:
- 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 .125” THICK MINIMUM

SIGNED: 03/14/2024

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10	COMPONENTS

MI WINDOWS & DOORS, LLC

650 WEST MARKET STREET

GRATZ, PA 17030–0370

SERIES 3540 PVC SINGLE HUNG WINDOW

REINFORCED NON–IMPACT 48” X 85”

NOTES

DRAWN: TJH

DWG NO. 08–01246

REV C

SCALE NTS

DATE 05/19/11

SHEET 1 OF 13

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENS. M.E.

No. 62514

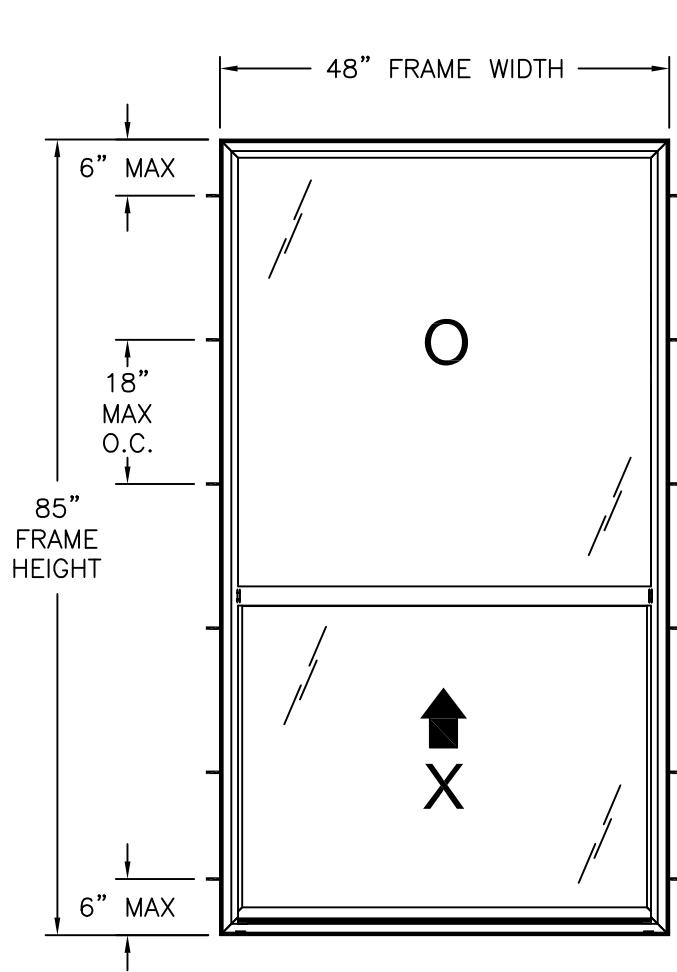
STATE OF FLORIDA

PROFESSIONAL ENGINEER

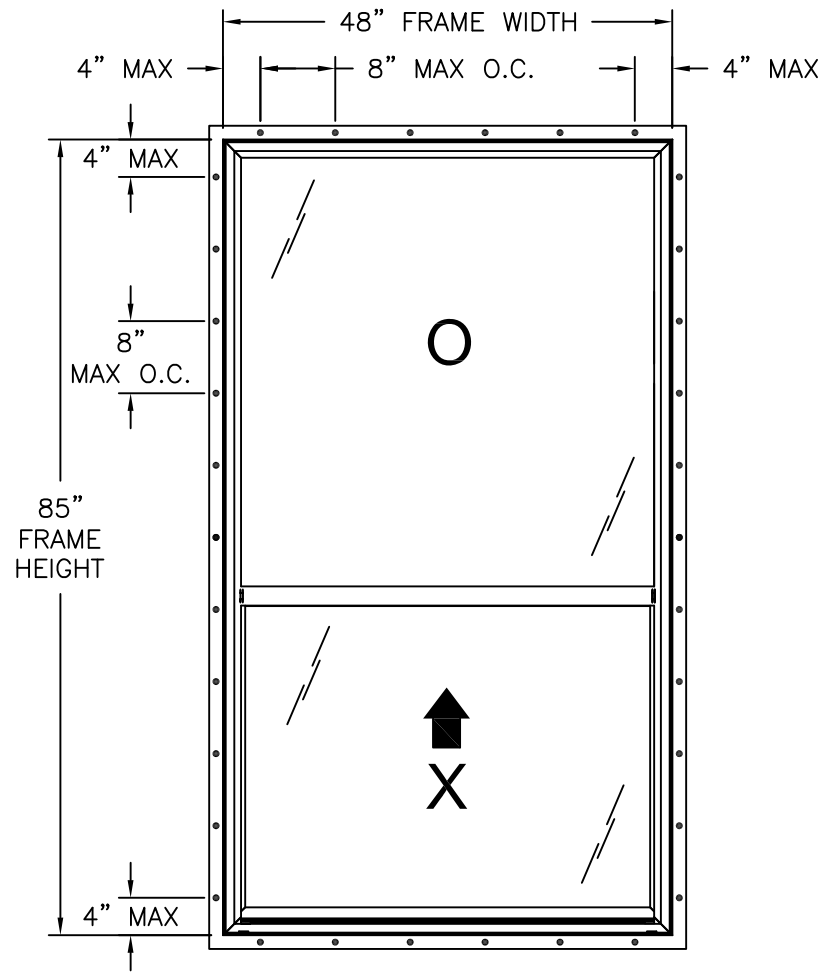
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SERIES 3540 PVC SH WINDOW FRAME INSTALLATION
EXTERIOR VIEW



SERIES 3540 PVC SH WINDOW FIN INSTALLATION
EXTERIOR VIEW

- NOTES:
1. SASH SIZE: 46 1/8" X 35 3/16"
 2. SASH D.L.O.: 43 1/8" X 32 3/16"
 3. FIXED D.L.O.: 44 1/8" X 45 7/8"

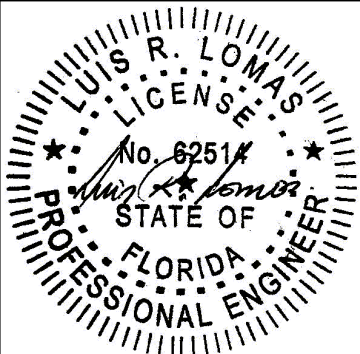
DESIGN PRESSURE RATING	IMPACT RATING
±25.0PSF	NONE

48" X 85" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 28.3 FT²

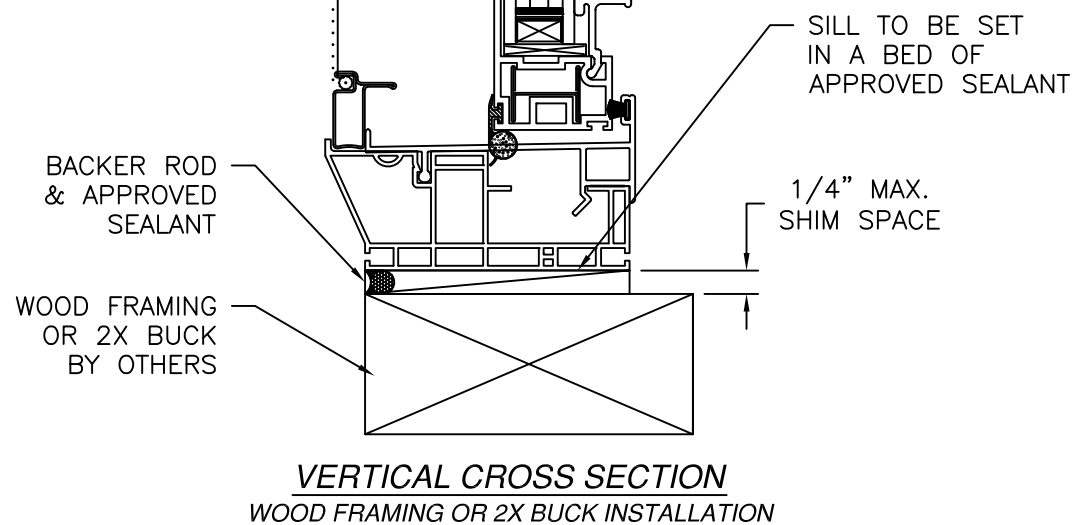
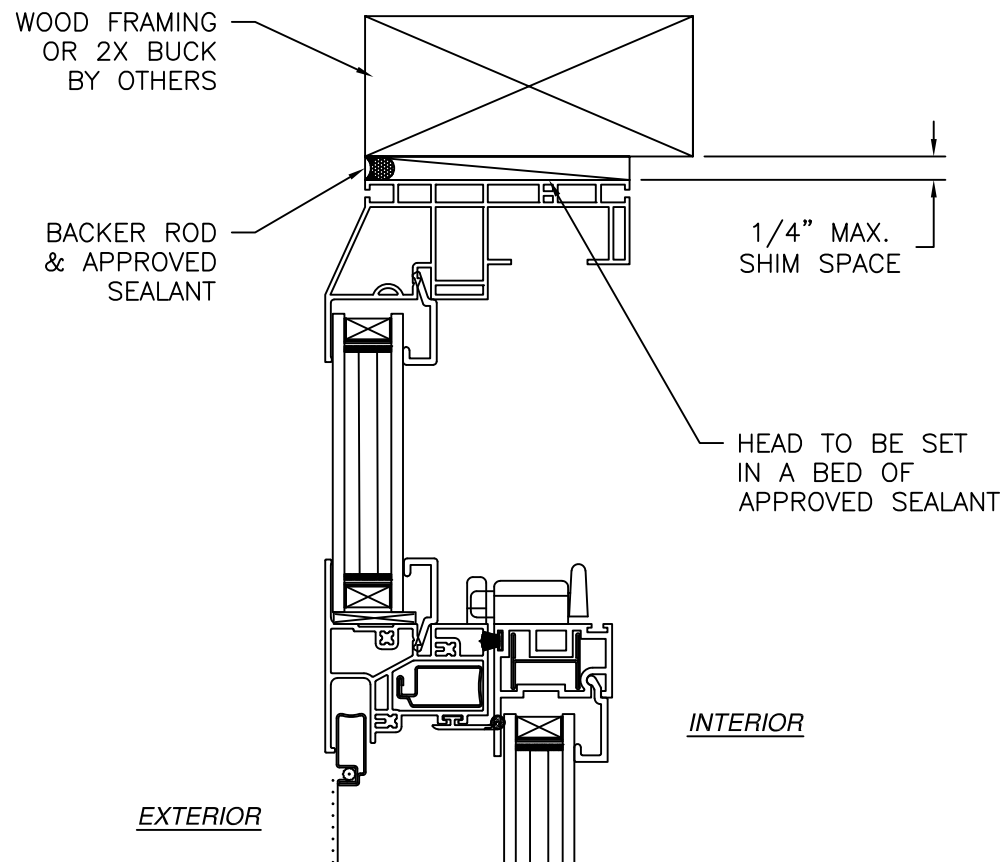
HARDWARE SCHEDULE	
A.	(2) METAL CAM LOCK WITH KEEPER AT INTERIOR MEETING RAIL, 7" FROM EACH END
B.	(2) PVC SURFACE MOUNT TILT LATCH AT INTERIOR MEETING RAIL ENDS
C.	(2) COIL BALANCES, ONE IN EACH JAMB
D.	(2) METAL PIVOT BAR AT BOTTOM RAIL ENDS
E.	STEEL REINFORCEMENT (GVL-451-020) AT SASH RAILS AND STILES
F.	STEEL REINFORCEMENT (RF-104S-020) AT FIXED MEETING RAIL

MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 48" X 85" ELEVATION		
DRAWN: TJH	DWG NO. 08-01246	REV C
SCALE NTS	DATE 05/19/11	SHEET 2 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

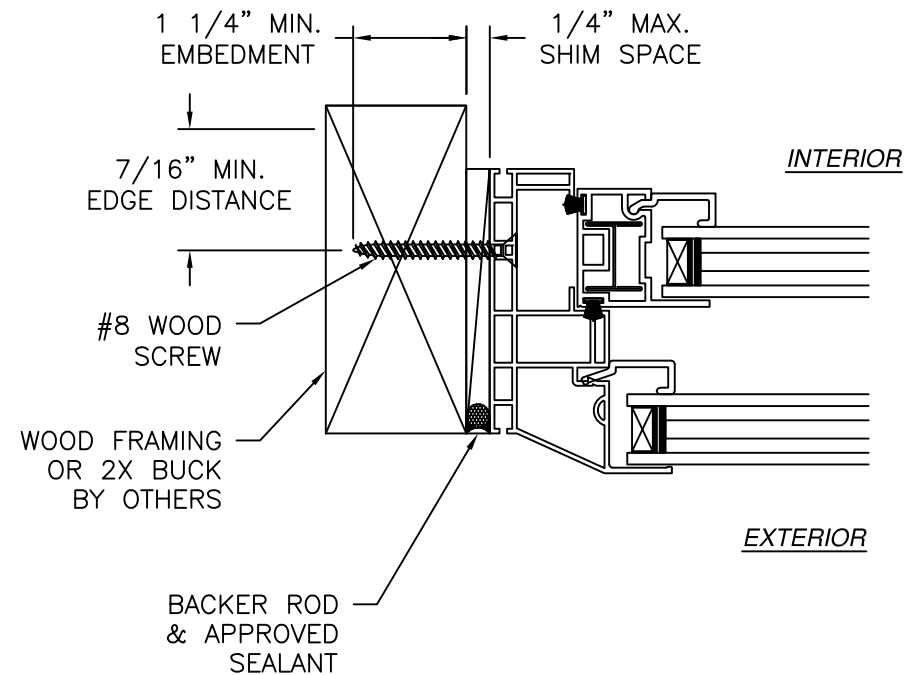
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



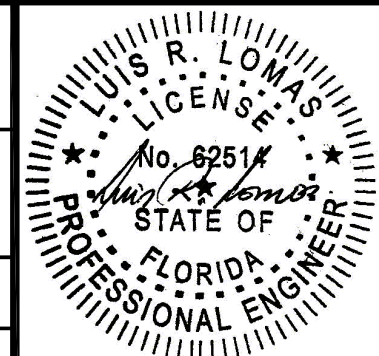
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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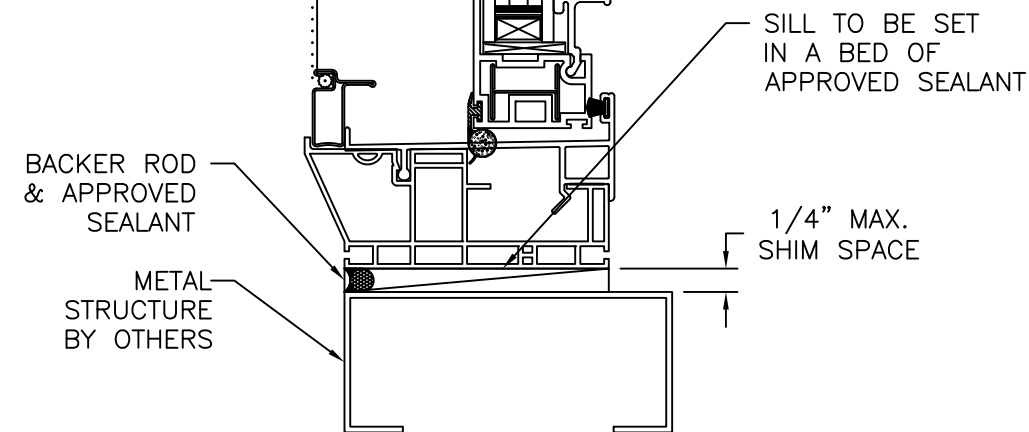
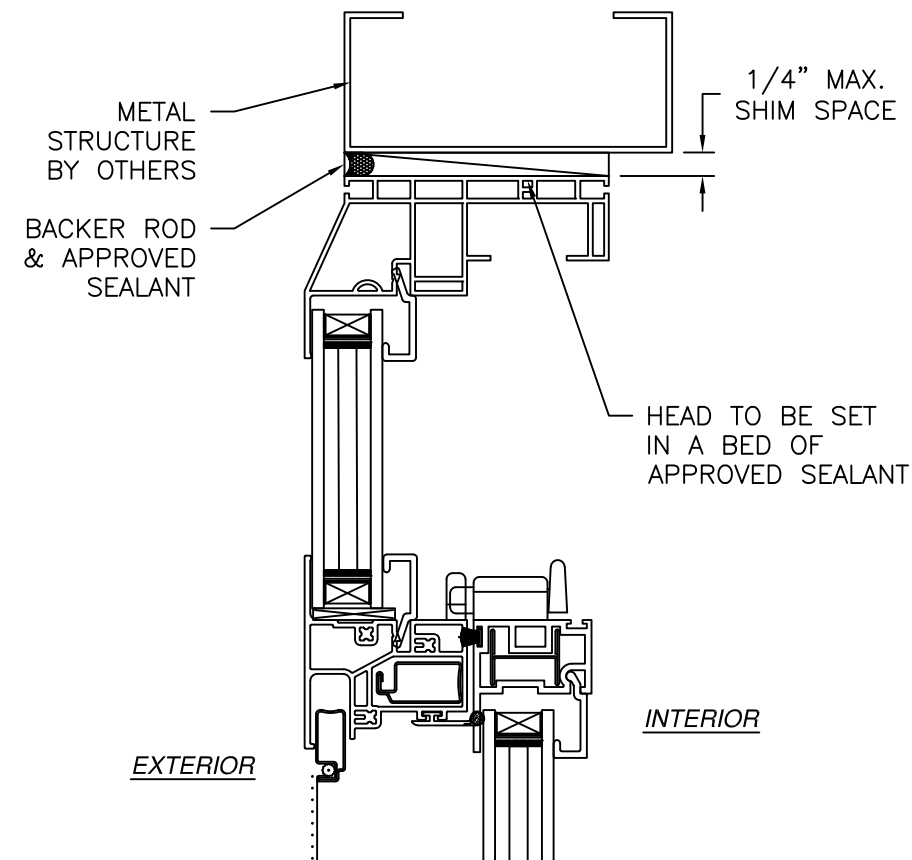
MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
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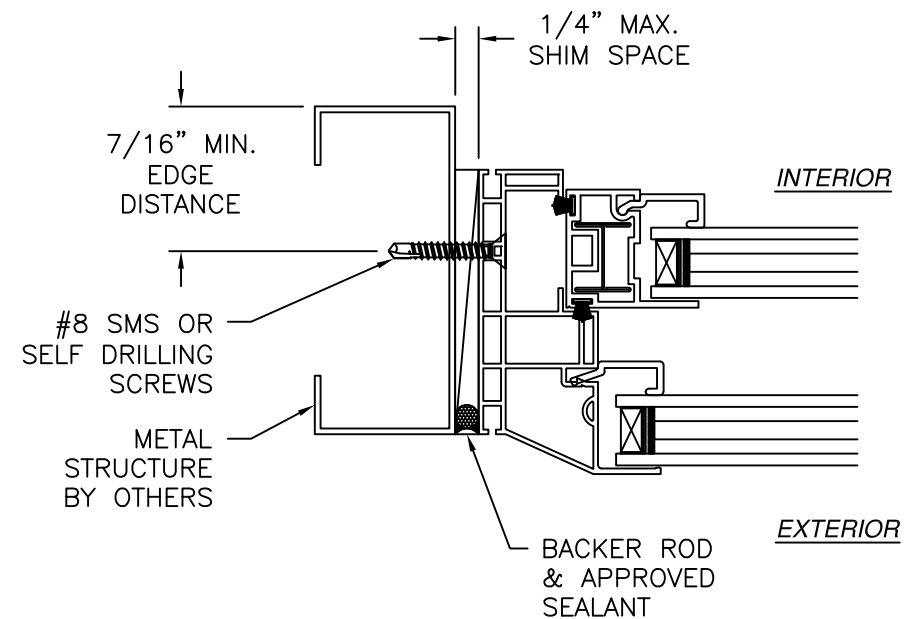


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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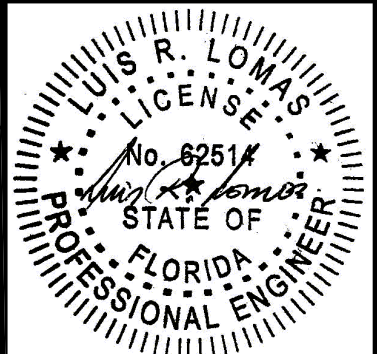
MI WINDOWS & DOORS, LLC

650 WEST MARKET STREET
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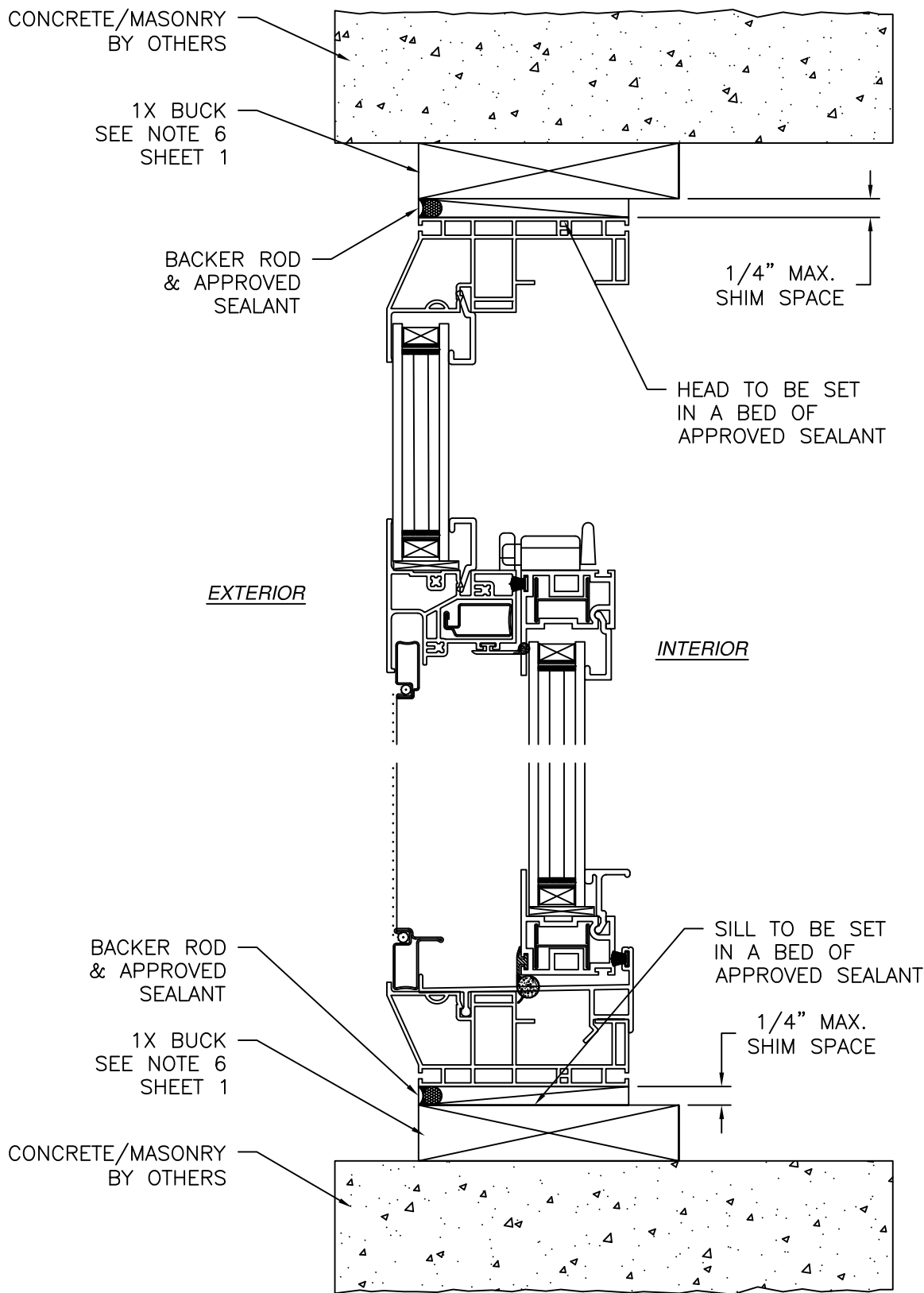
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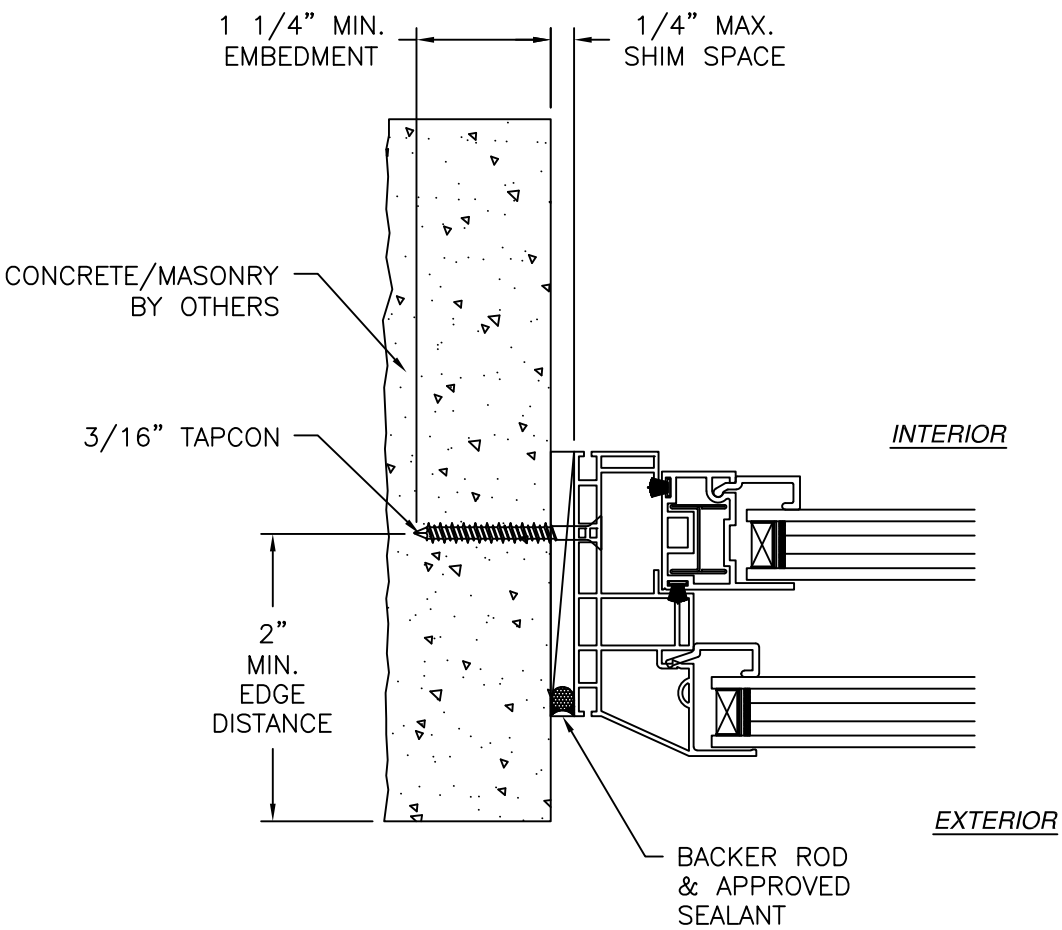


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VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

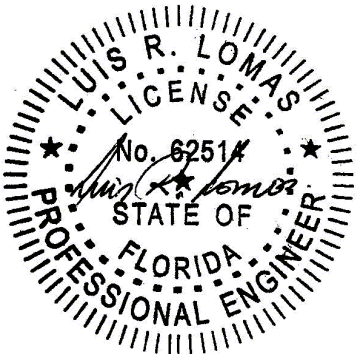


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

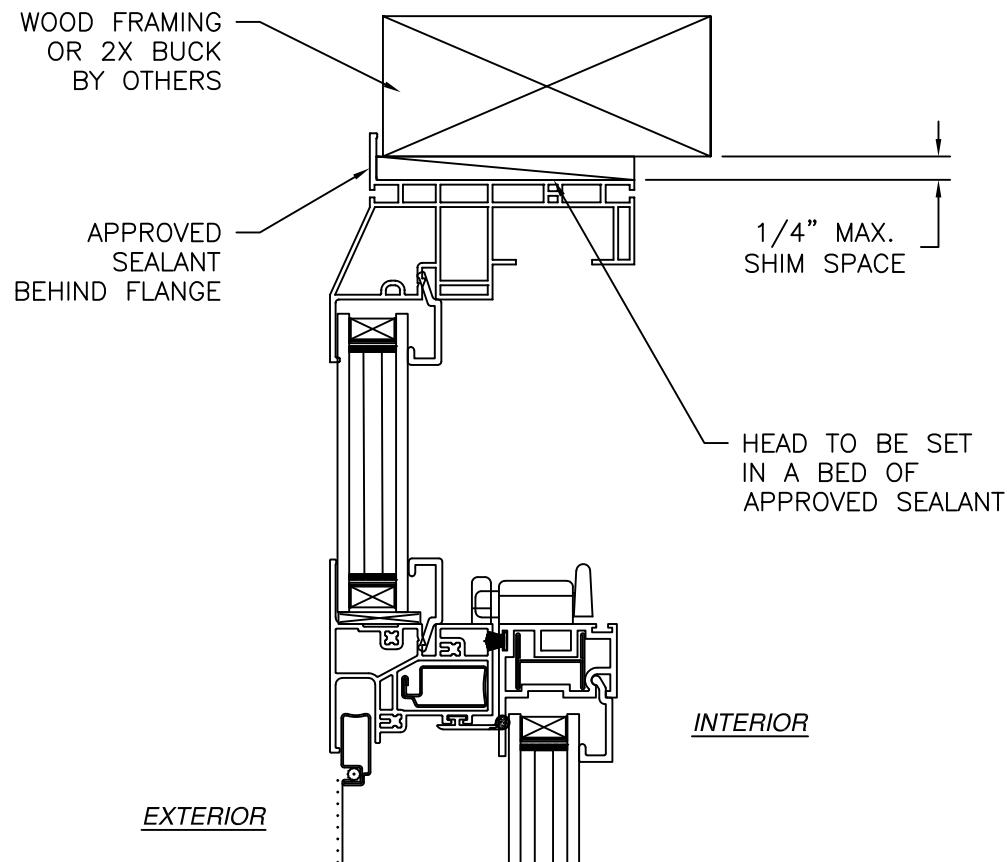
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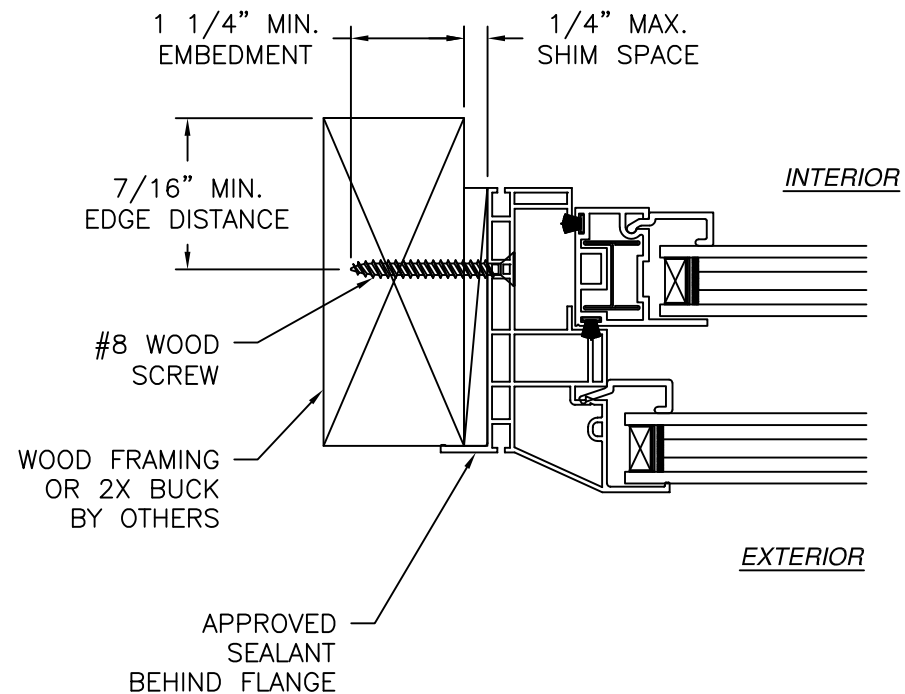
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
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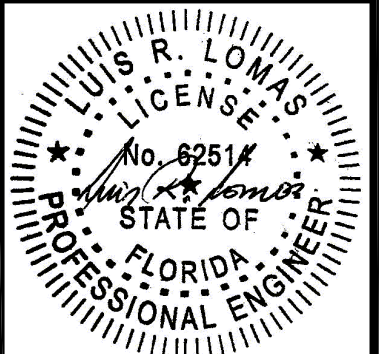
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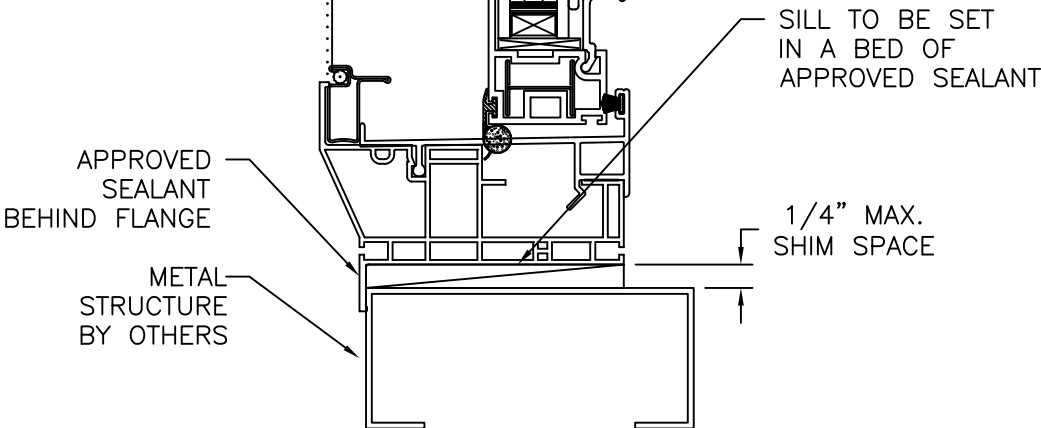
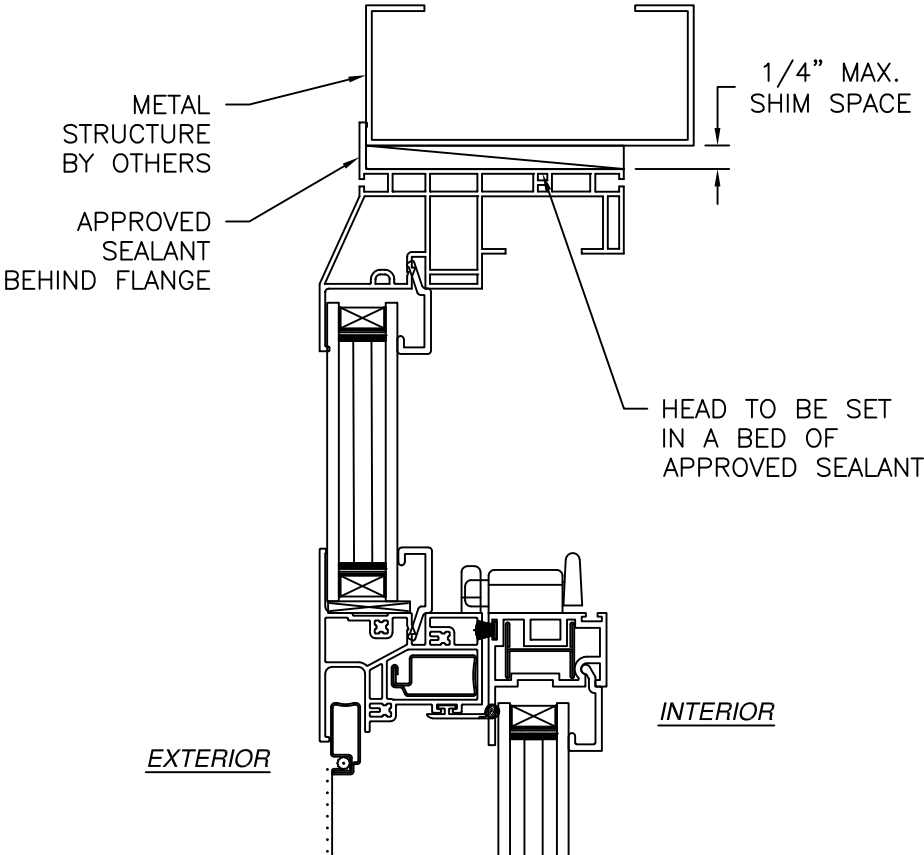
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MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 48" X 85" FLANGE INSTALLATION DETAILS		
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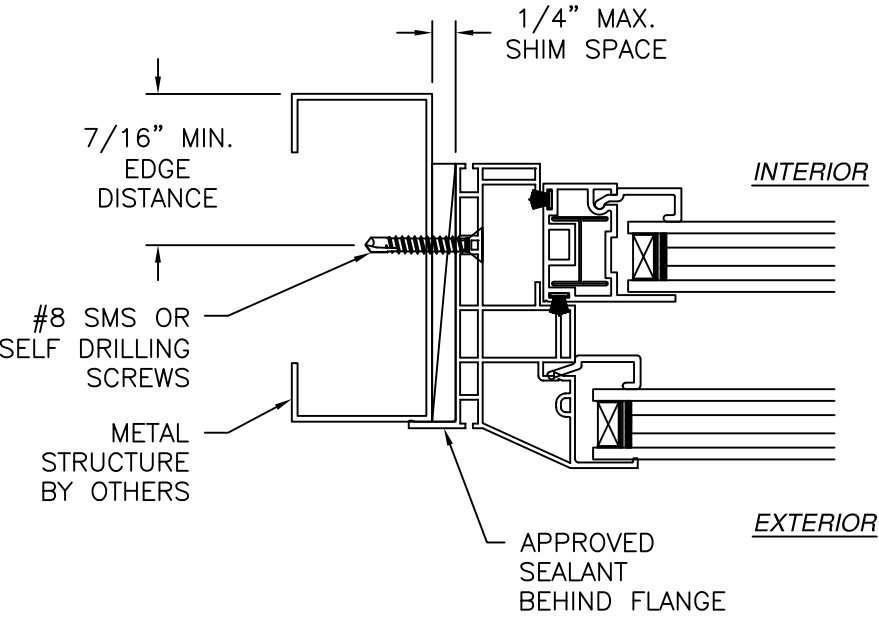


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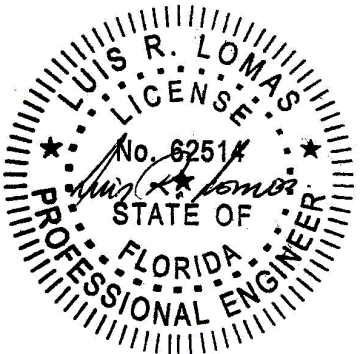
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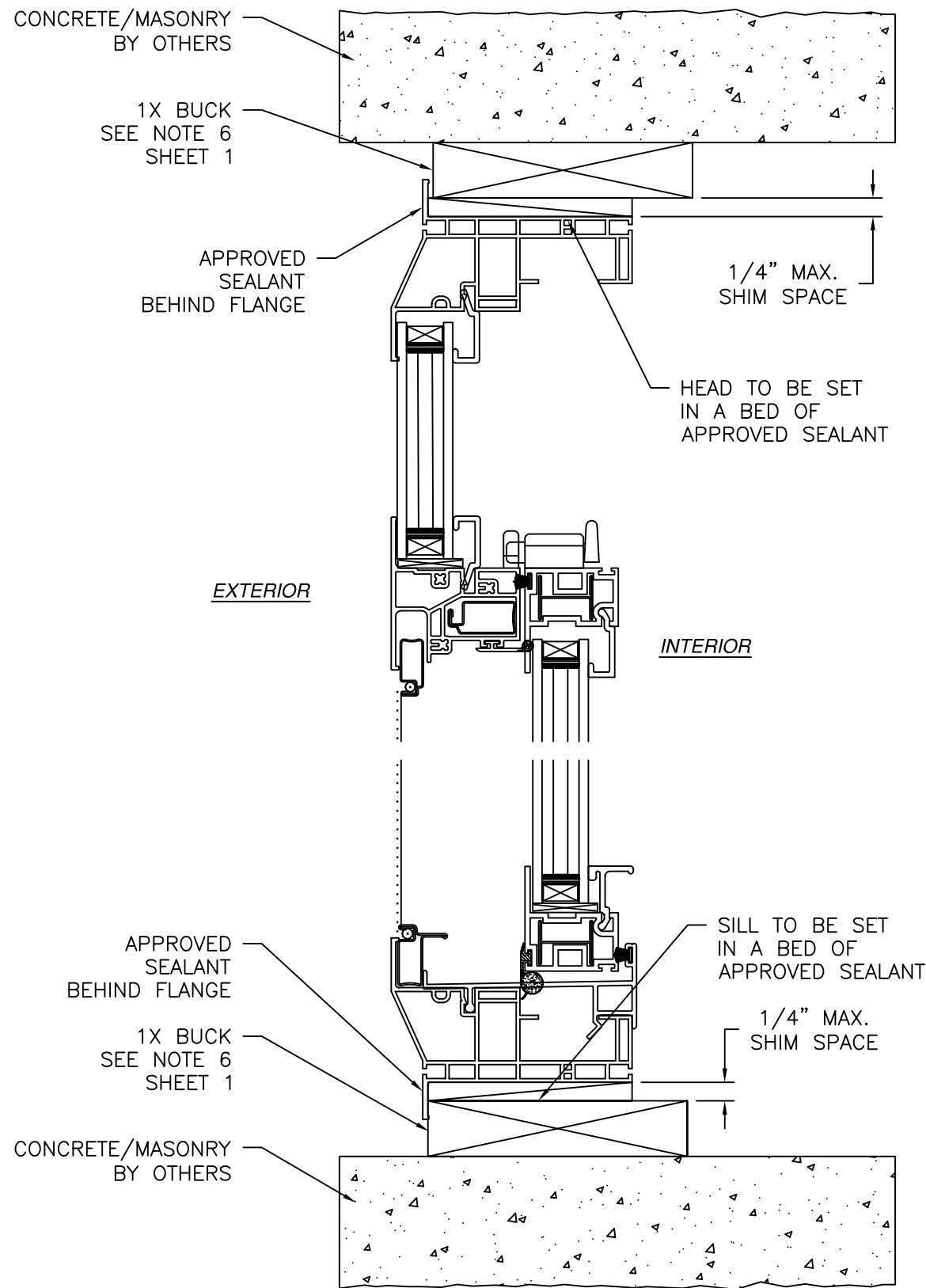
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REINFORCED NON-IMPACT 48" X 85"
FLANGE INSTALLATION DETAILS

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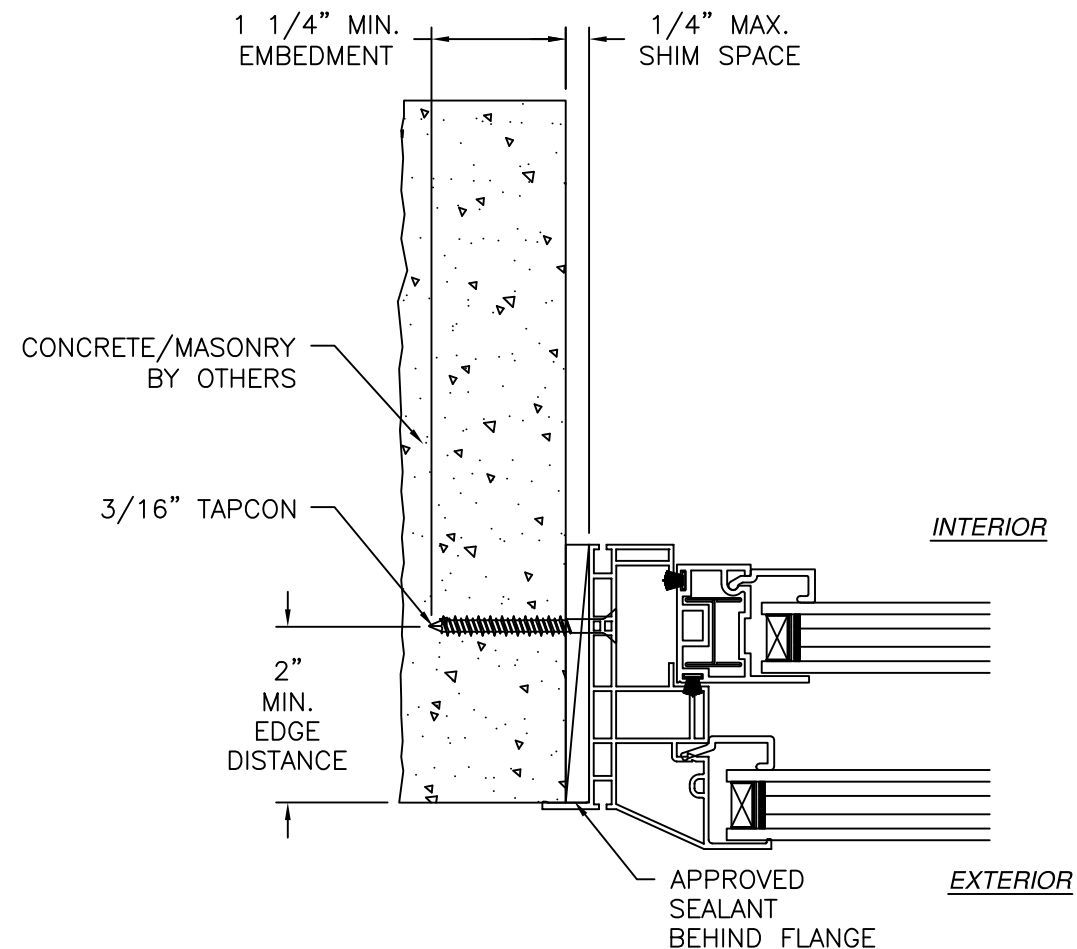
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208 7th Ave, INDIALANTIC, FL 32903
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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



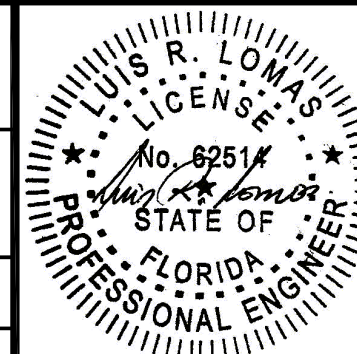
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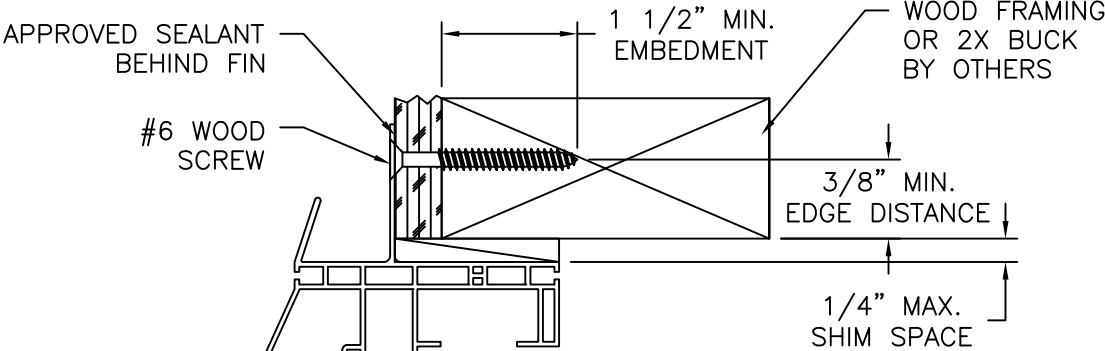
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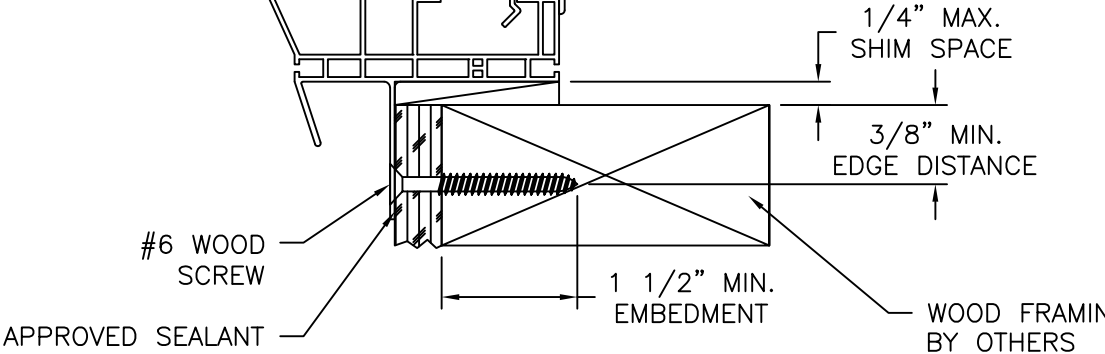
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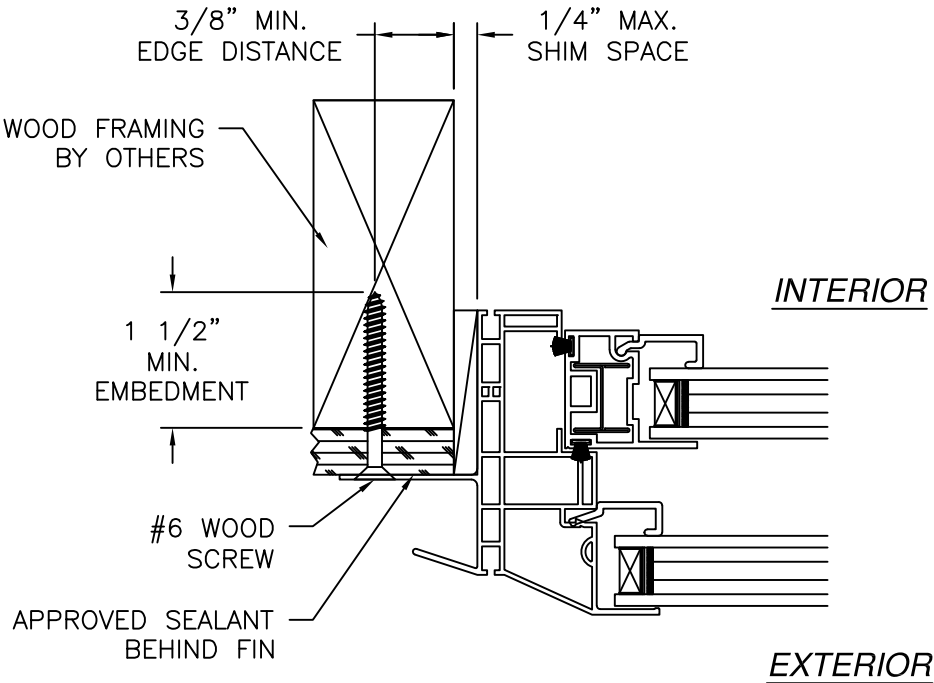


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

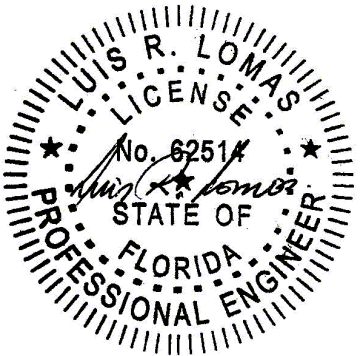


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WOOD FRAMING OR 2X BUCK INSTALLATION

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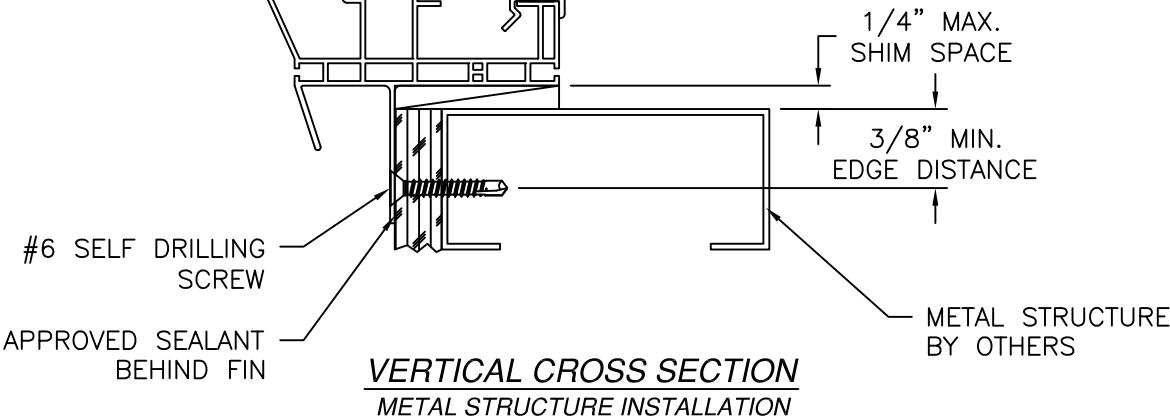
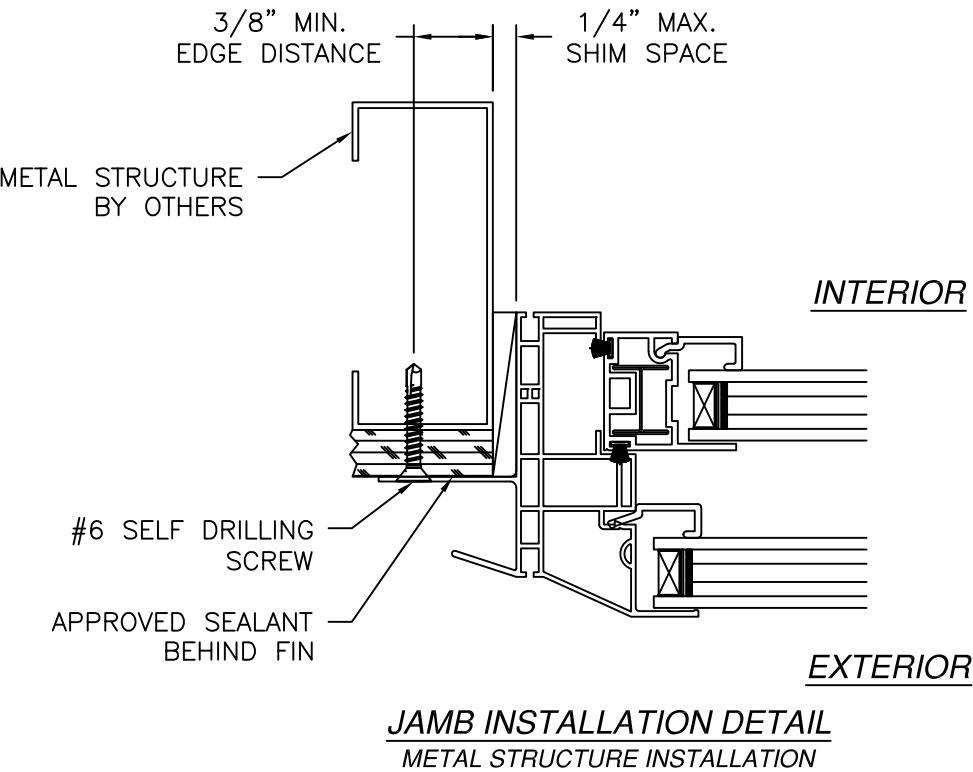
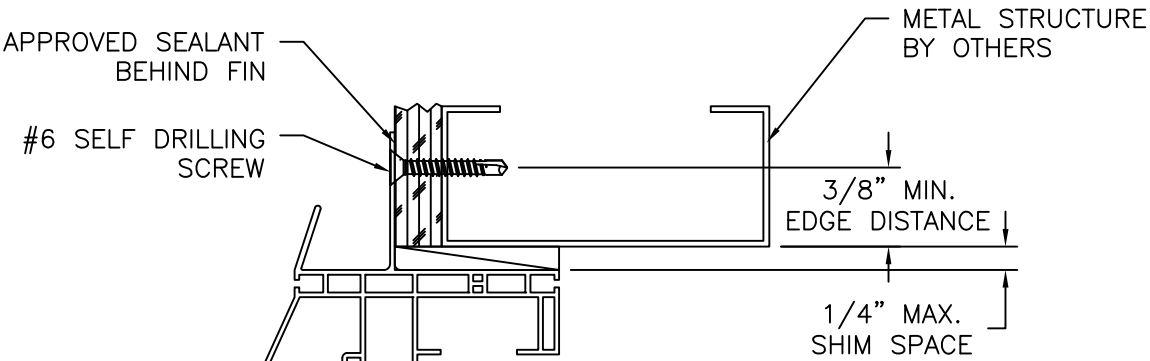
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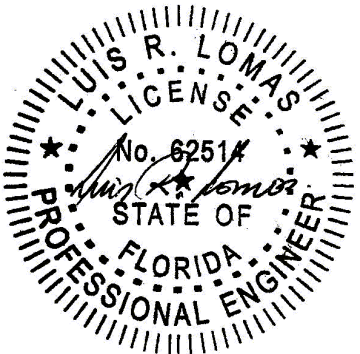
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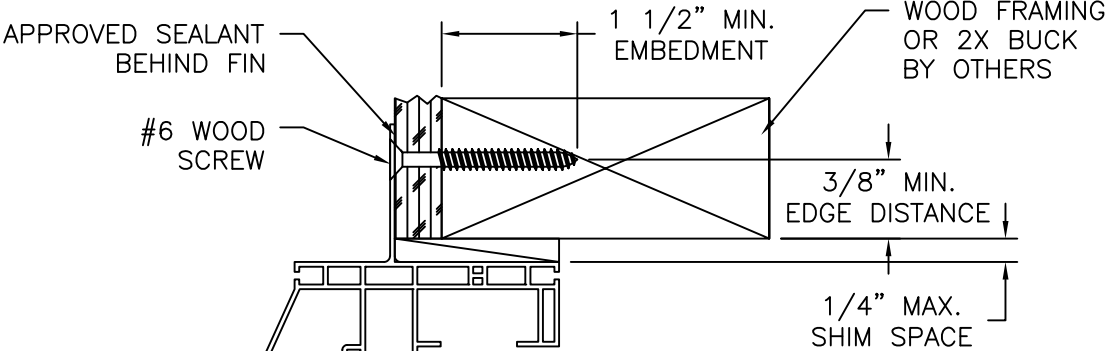
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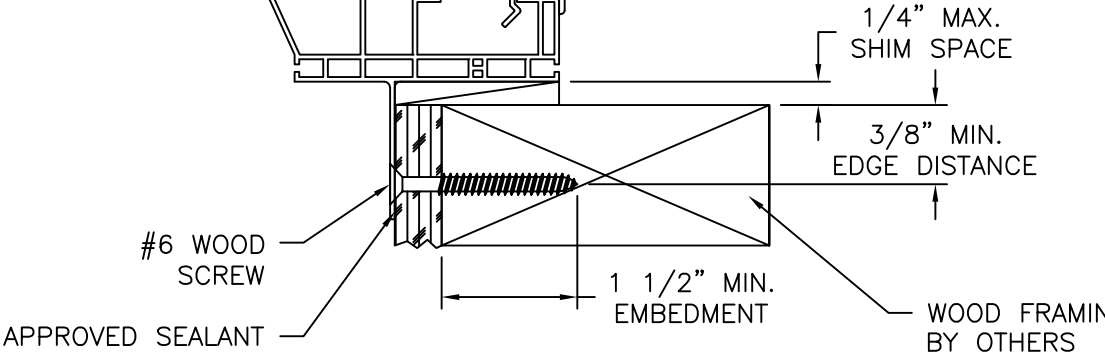
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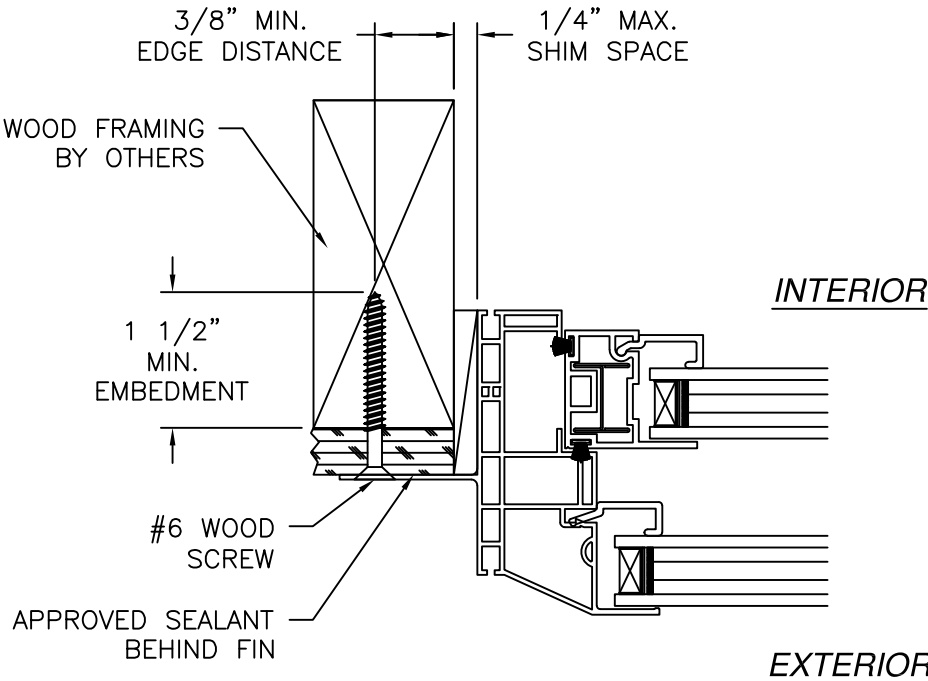


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

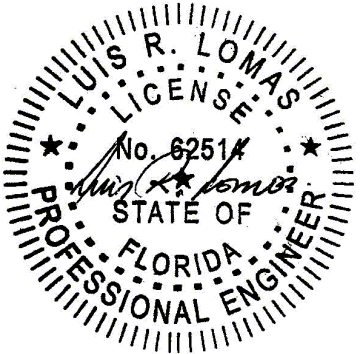


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

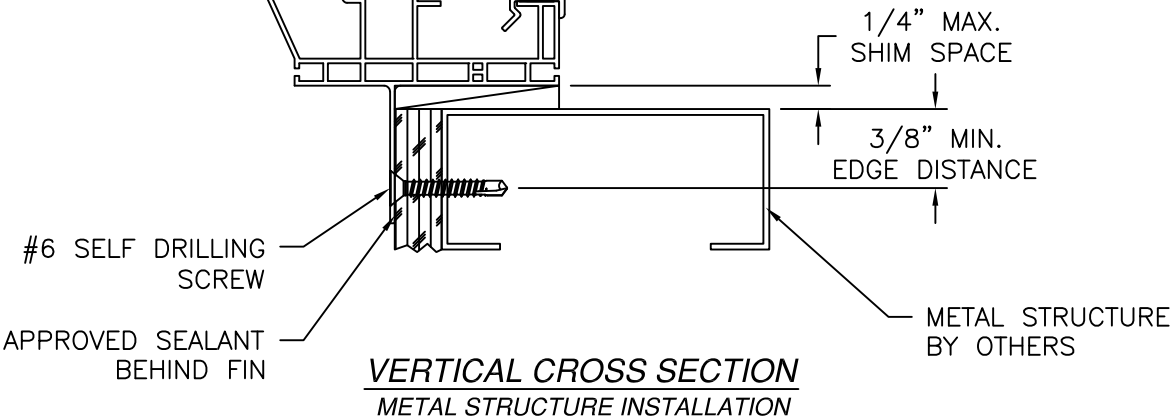
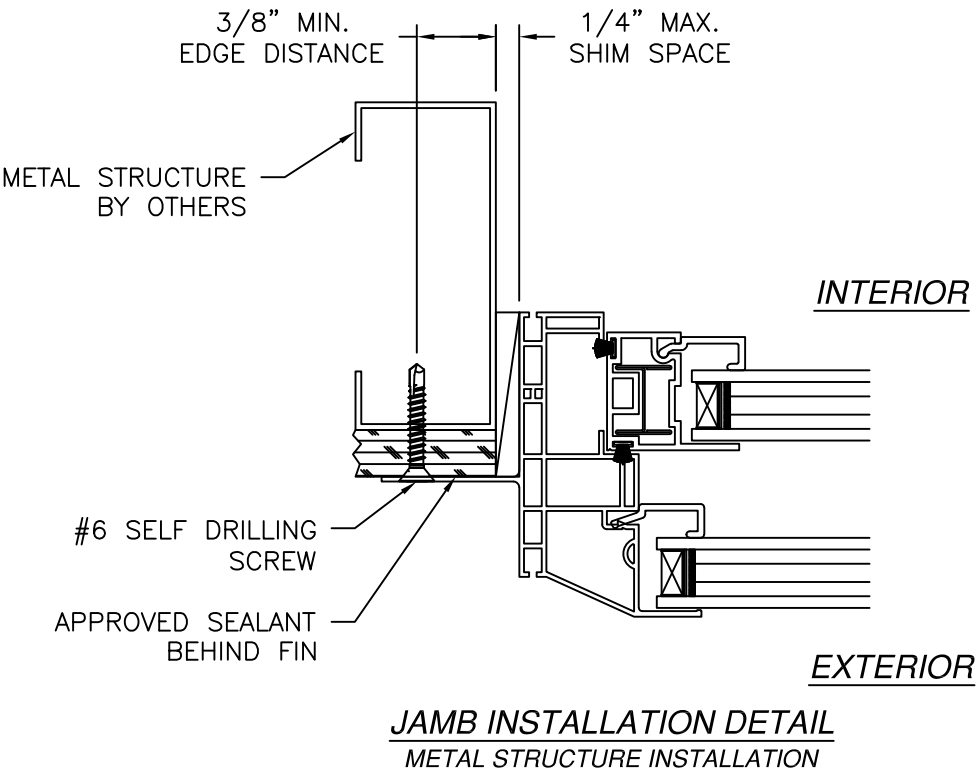
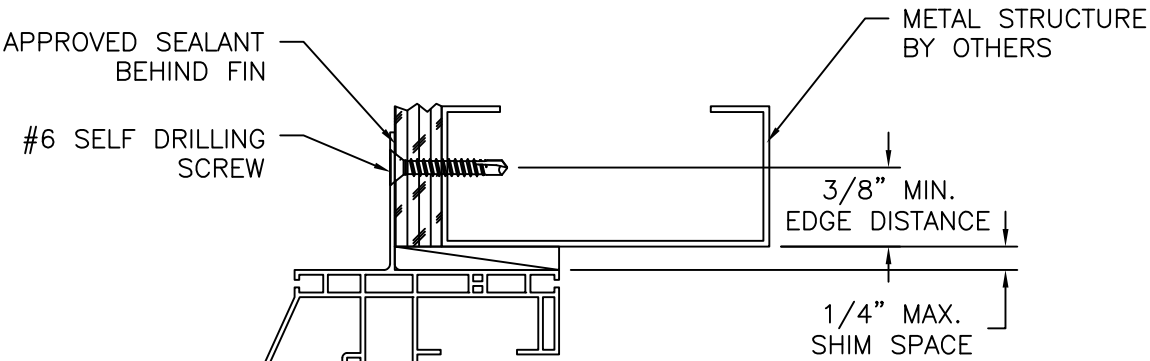
SIGNED: 03/14/2024

MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 48" X 85" INSTALLATION DETAILS STANDARD FRAME		
DRAWN: TJH	DWG NO. 08-01246	REV C
SCALE NTS	DATE 05/19/11	SHEET 11 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

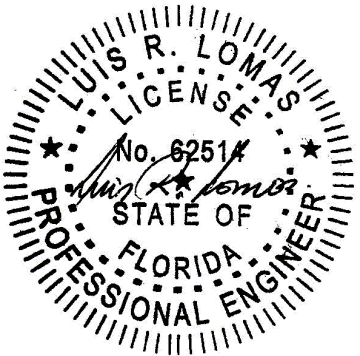
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED ANCHORING DETAILS	03/12/2024	R.L.



NOTES:
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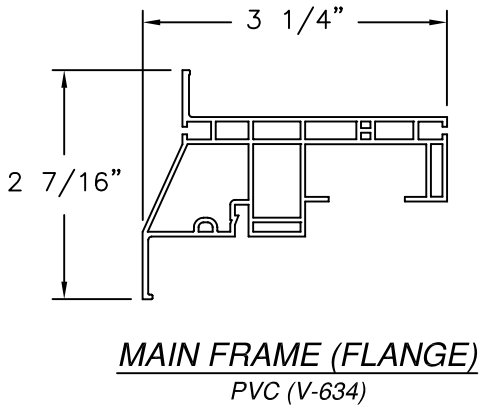
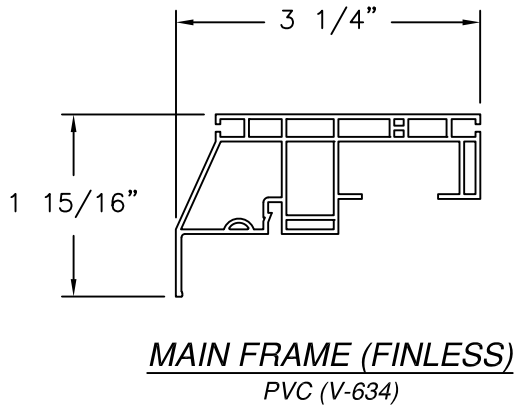
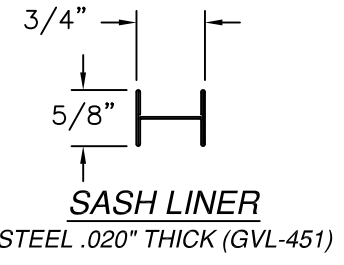
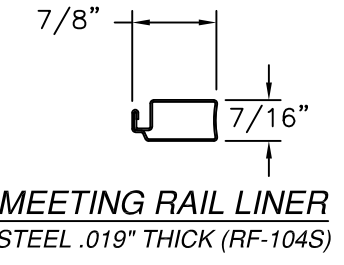
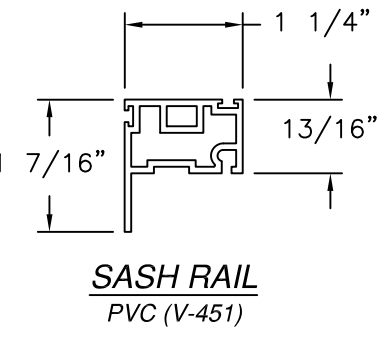
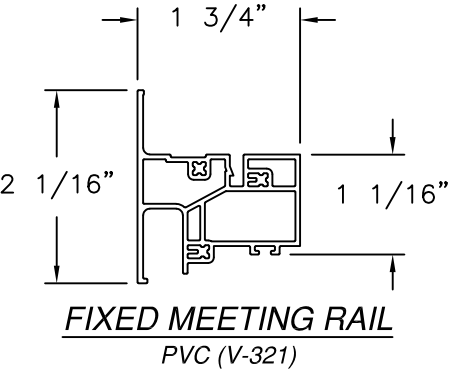
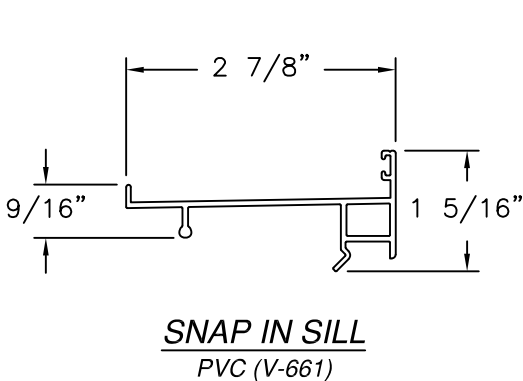
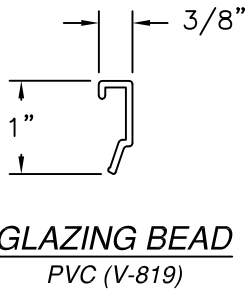
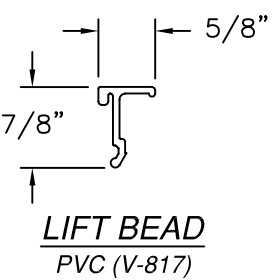
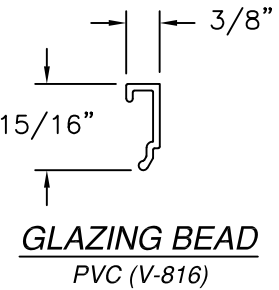
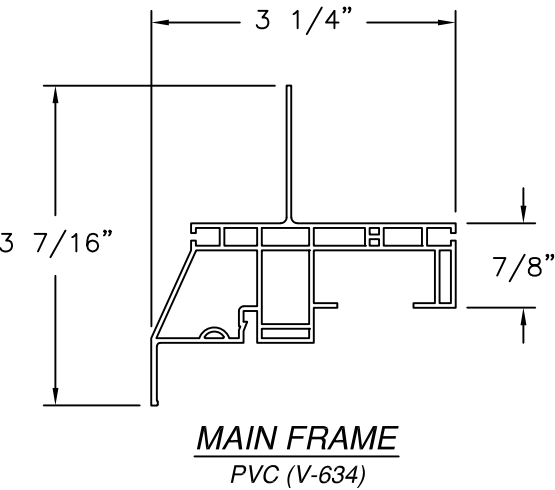
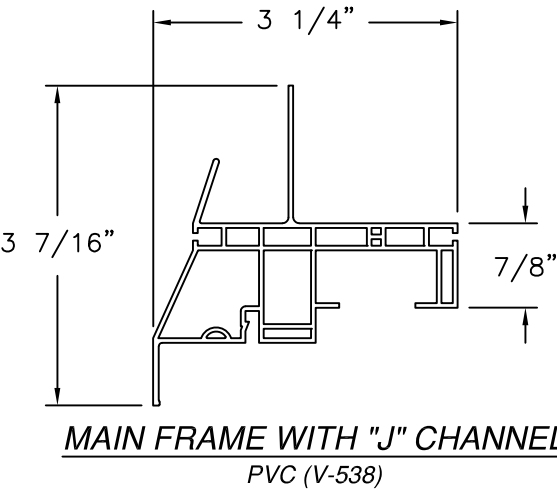
SIGNED: 03/14/2024

MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 48" X 85" INSTALLATION DETAILS STANDARD FRAME		
DRAWN: TJH	DWG NO. 08-01246	REV C
SCALE NTS	DATE 05/19/11	SHEET 12 OF 13
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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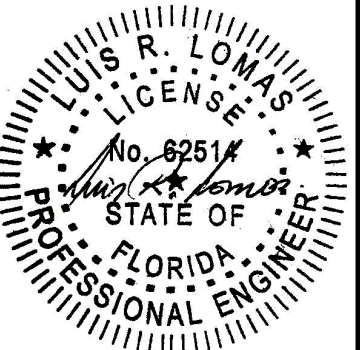
MI WINDOWS & DOORS, LLC
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 85"
COMPONENTS

DRAWN: TJH	DWG NO. 08-01246	REV C
SCALE NTS	DATE 05/19/11	SHEET 13 OF 13

L. ROBERTO LOMAS P.E.
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SIGNED: 03/14/2024



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