

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 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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. 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.
5. 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.
6. 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.
7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION SHIM AS REQUIRED 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".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300-04/09.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. 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.

15. 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.
16. 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.
17. 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.
18. 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.
19. ALL FASTENERS TO BE CORROSION RESISTANT.
20. 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:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

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

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

D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM
21. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3 - 9	INSTALLATION DETAILS
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 84"

NOTES

DRAWN:

DWG NO.

REV

R.L.

08-03569

-

SCALE

DATE

SHEET

NTS

05/19/2020

1 OF 13

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 05/20/2020

LUIS R. LOMAS

LICENS. M. S.

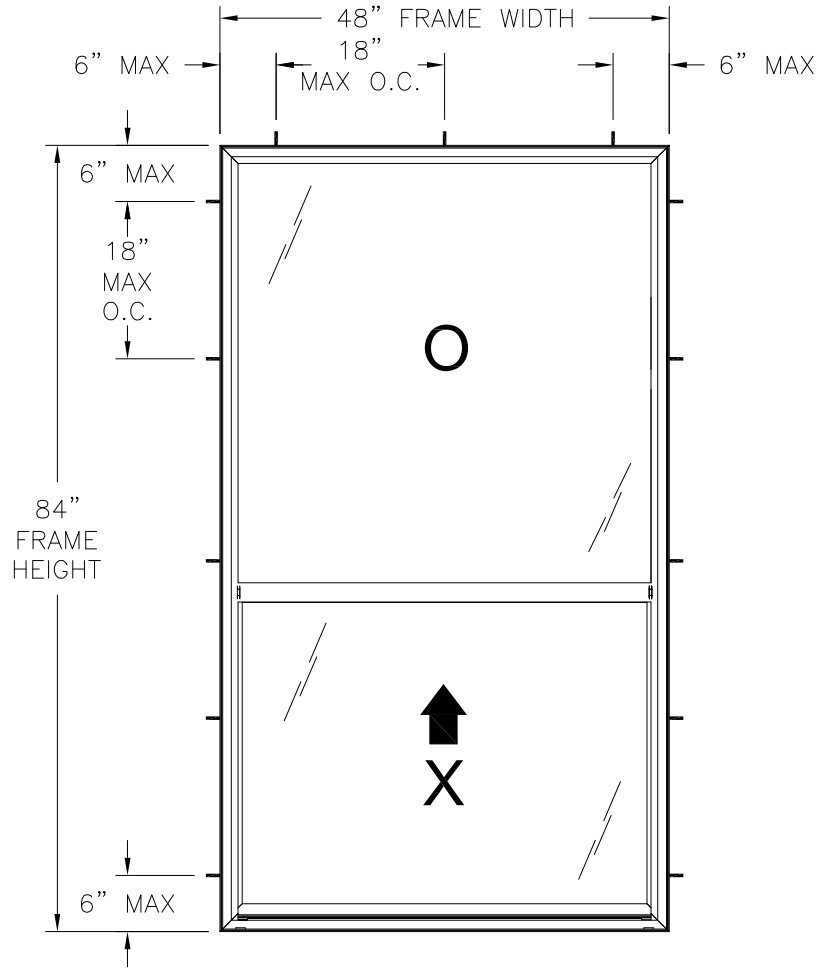
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STATE OF FLORIDA

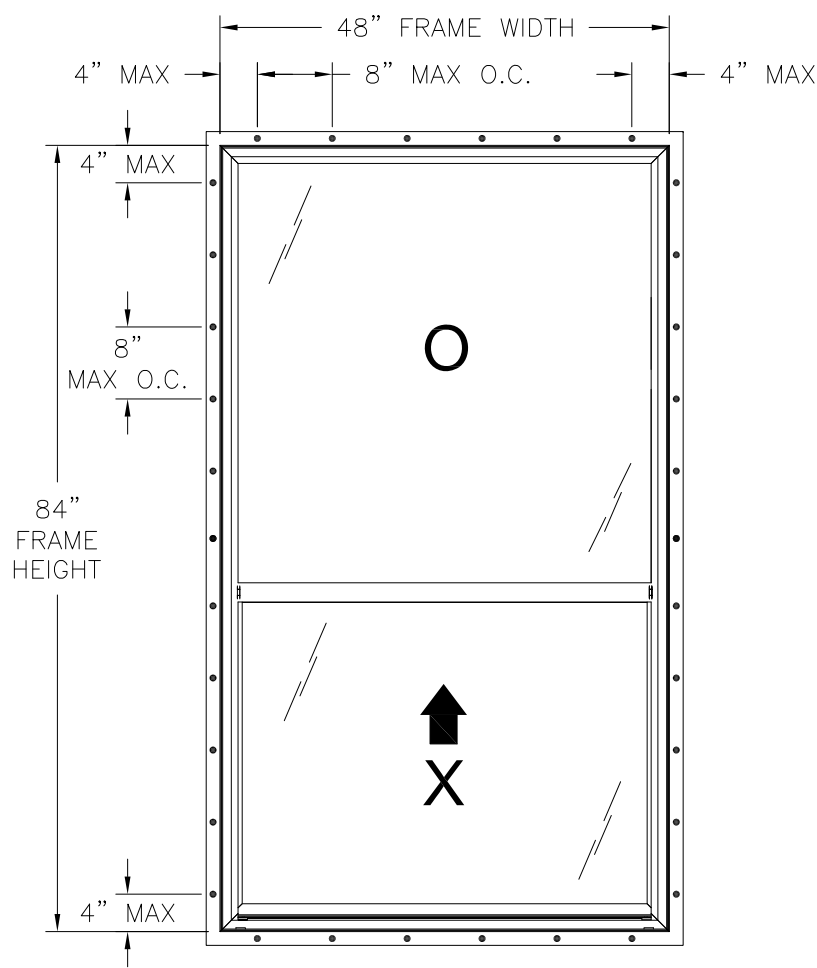
PROFESSIONAL ENGINEER

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

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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 1/16" X 41 3/8"
 2. SASH D.L.O.: 43 1/16" X 38 1/2"
 3. FIXED D.L.O.: 44 1/16" X 38 1/2"

DESIGN PRESSURE RATING	IMPACT RATING
±30.0PSF	NONE

48" X 84" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS
FRAME AREA DOES NOT EXCEED 28.0 FT²

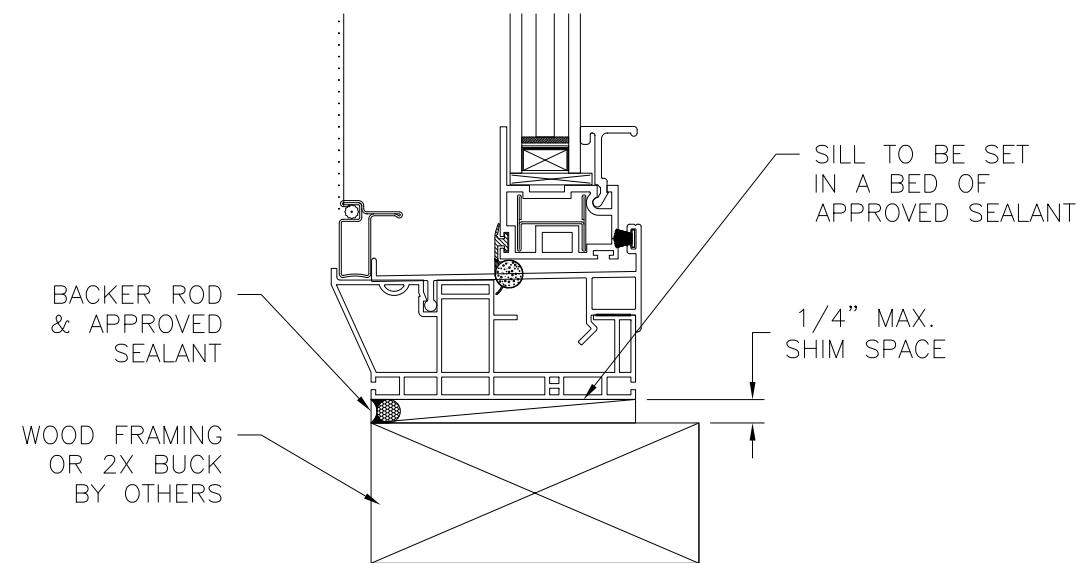
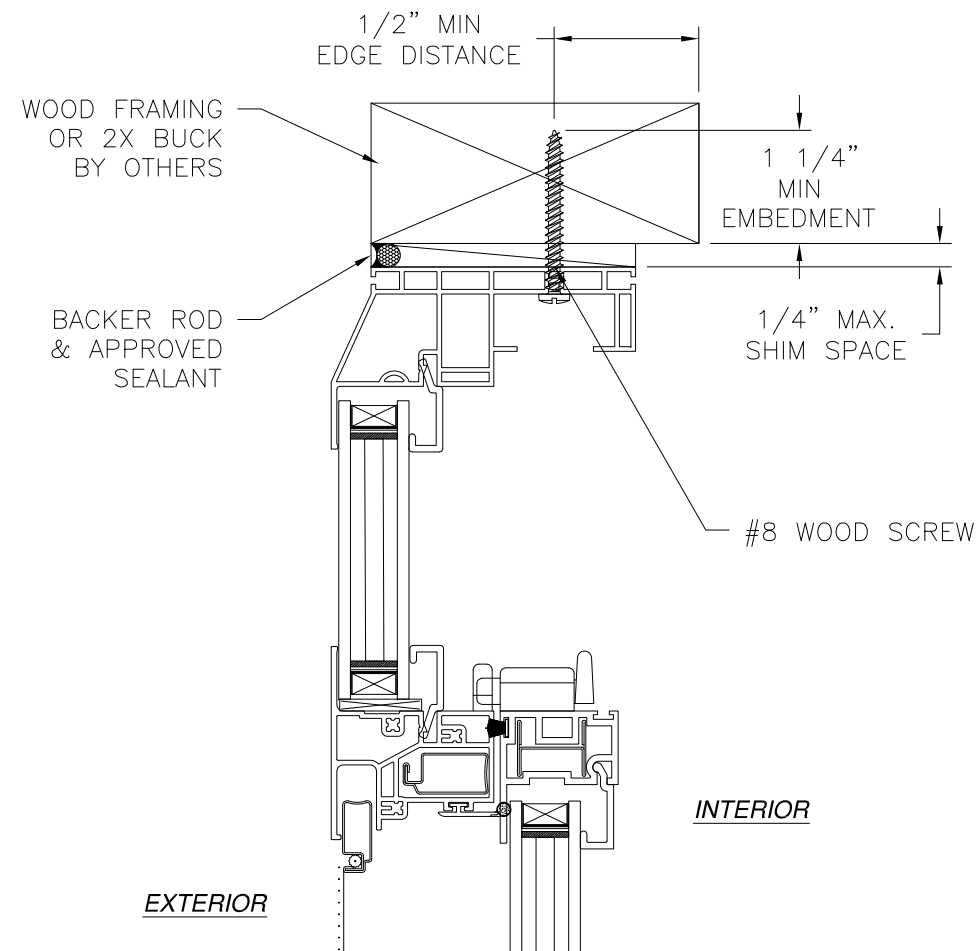
HARDWARE SCHEDULE	
A.	(2) METAL CAM LOCK WITH KEEPER AT INTERIOR MEETING RAIL, 6" FROM EACH END
B.	(2) PVC SURFACE MOUNT TILT LATCH AT INTERIOR MEETING RAIL ENDS
C.	(2) COIL BALANCES, ONE IN EACH JAMB
D.	(2) METAL PIVOT BAR AT BOTTOM RAIL ENDS
E.	STEEL REINFORCEMENT (GVL-451-020) AT SASH RAILS AND STILES
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 84" ELEVATION		
DRAWN: R.L.	DWG NO. 08-03569	REV -
SCALE NTS	DATE 05/19/2020	SHEET 2 OF 13
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

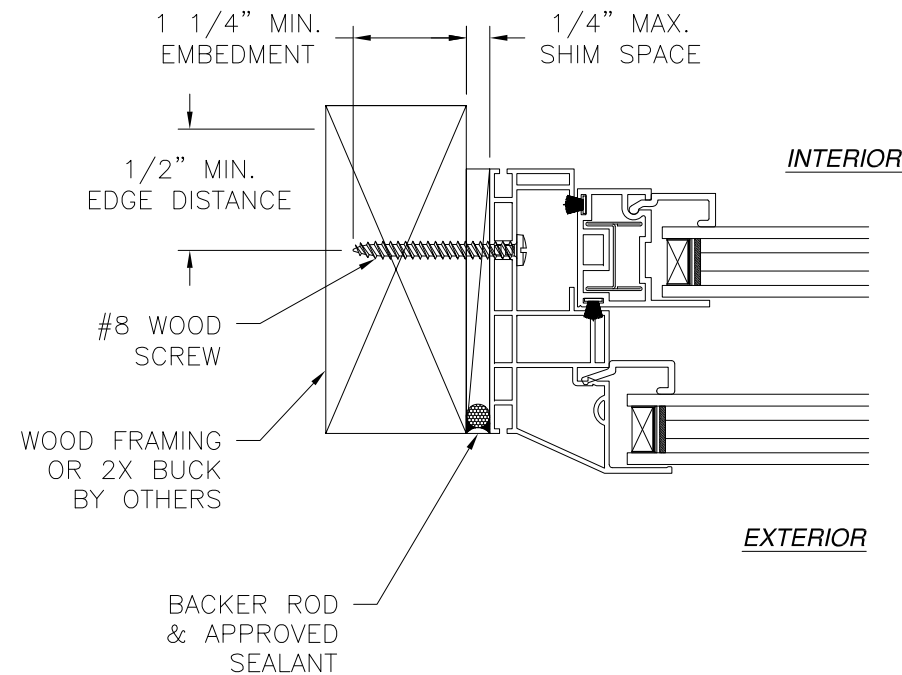
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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

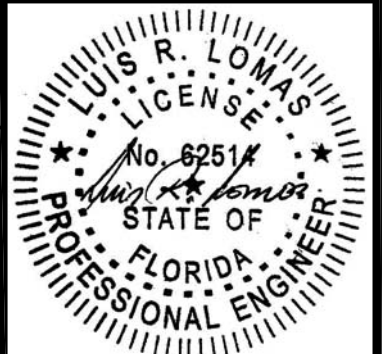
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 84"
FINLESS INSTALLATION DETAILS

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SCALE NTS	DATE 05/19/2020	SHEET 3 OF 13

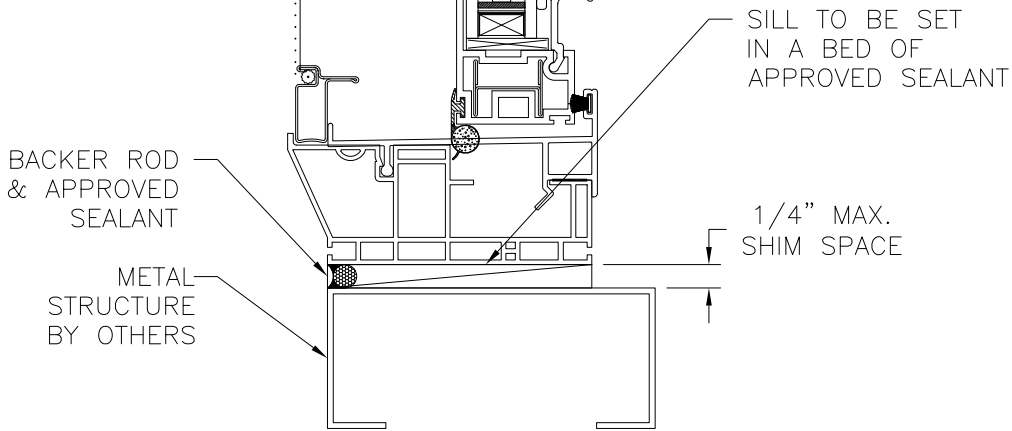
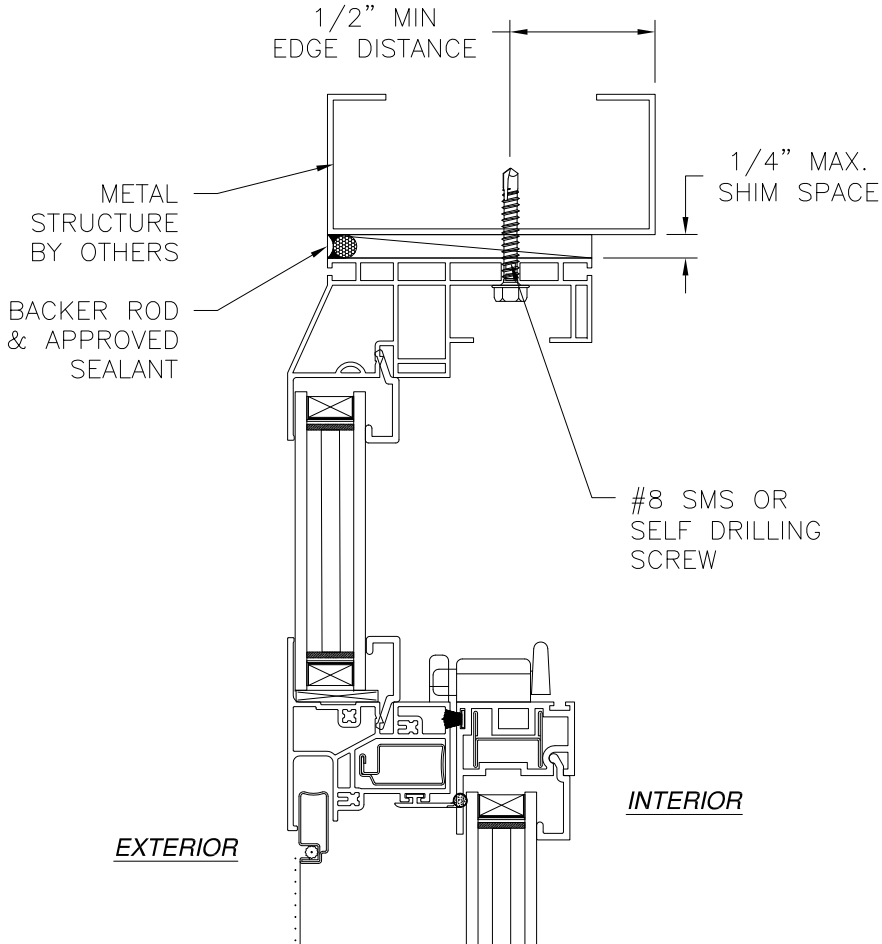
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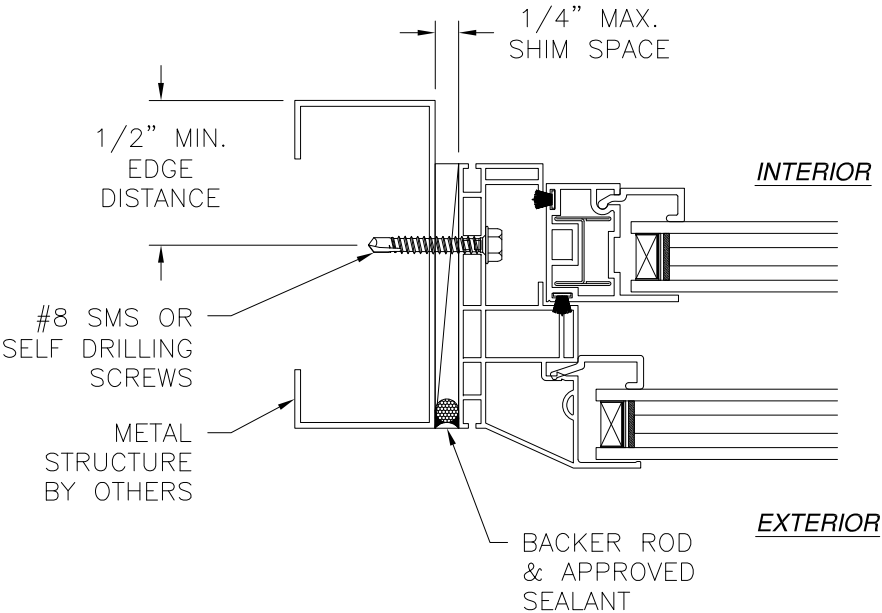


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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:
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650 WEST MARKET STREET
GRATZ, PA 17030-0370

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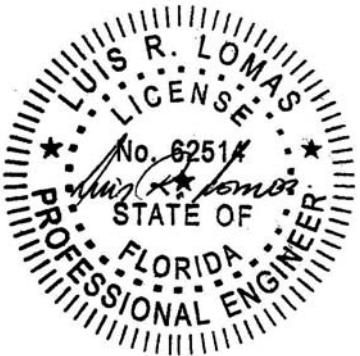
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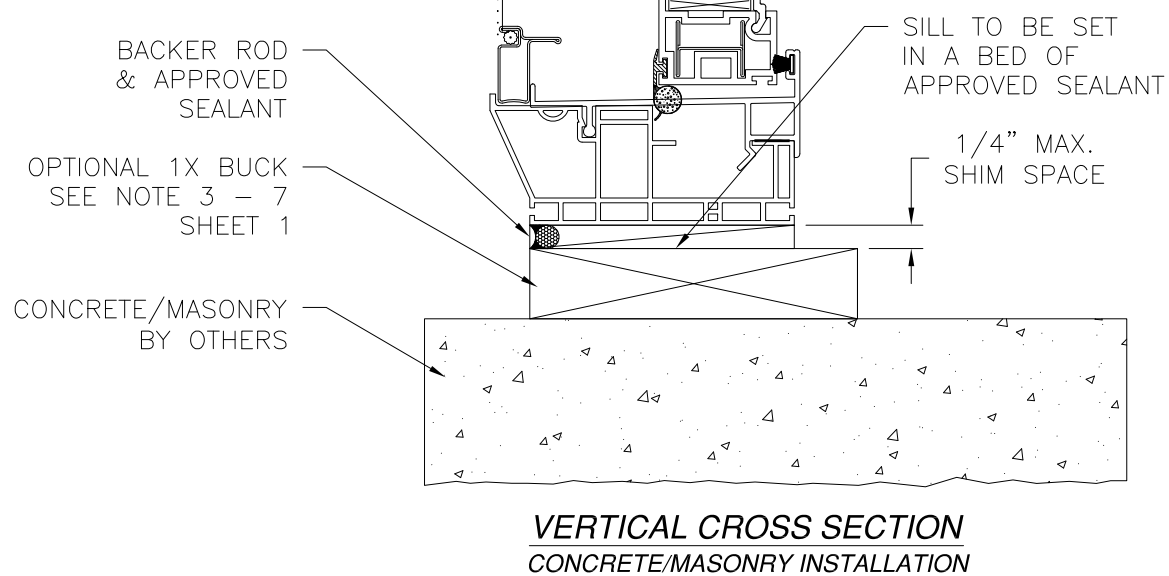
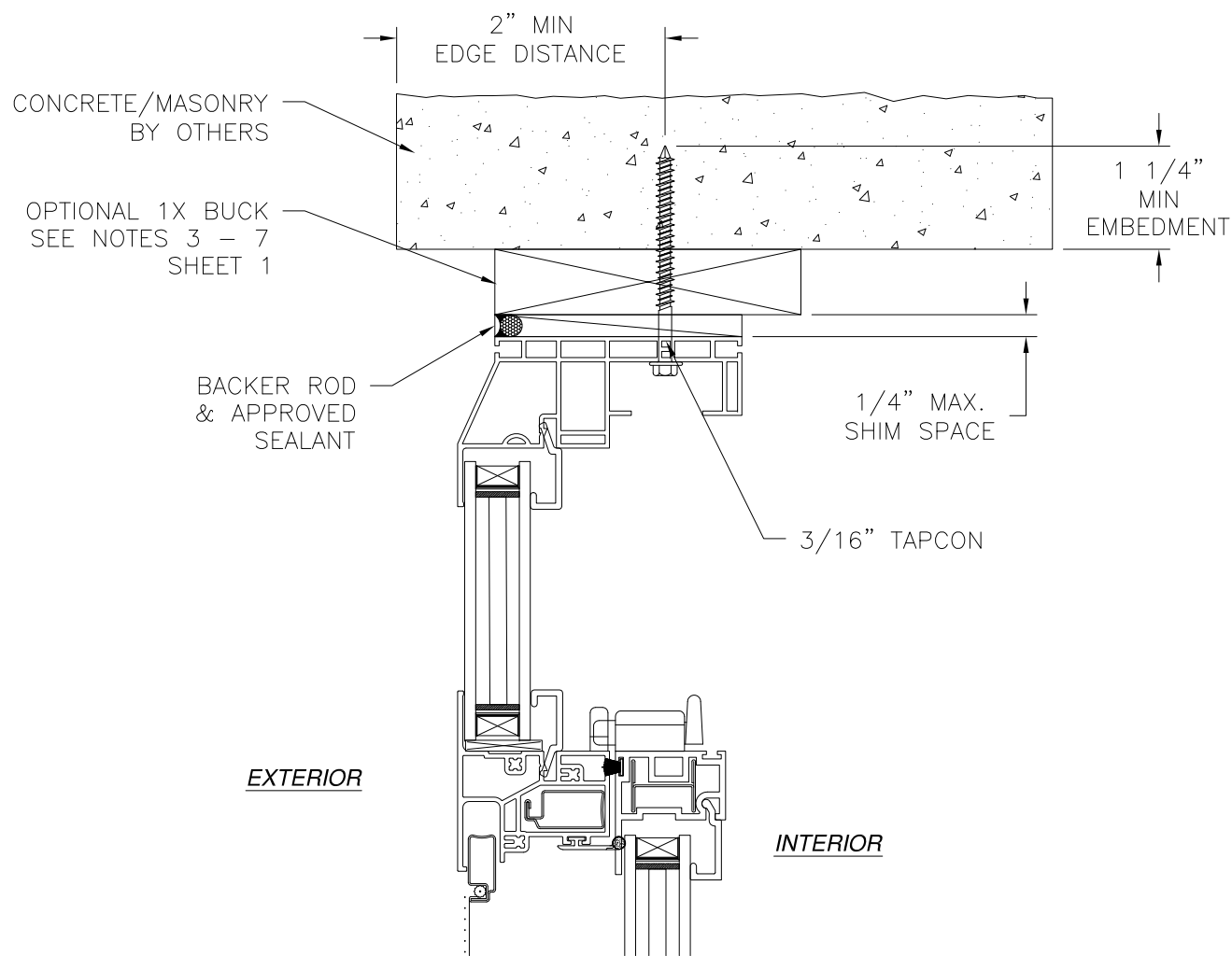
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SHEET
4 OF 13

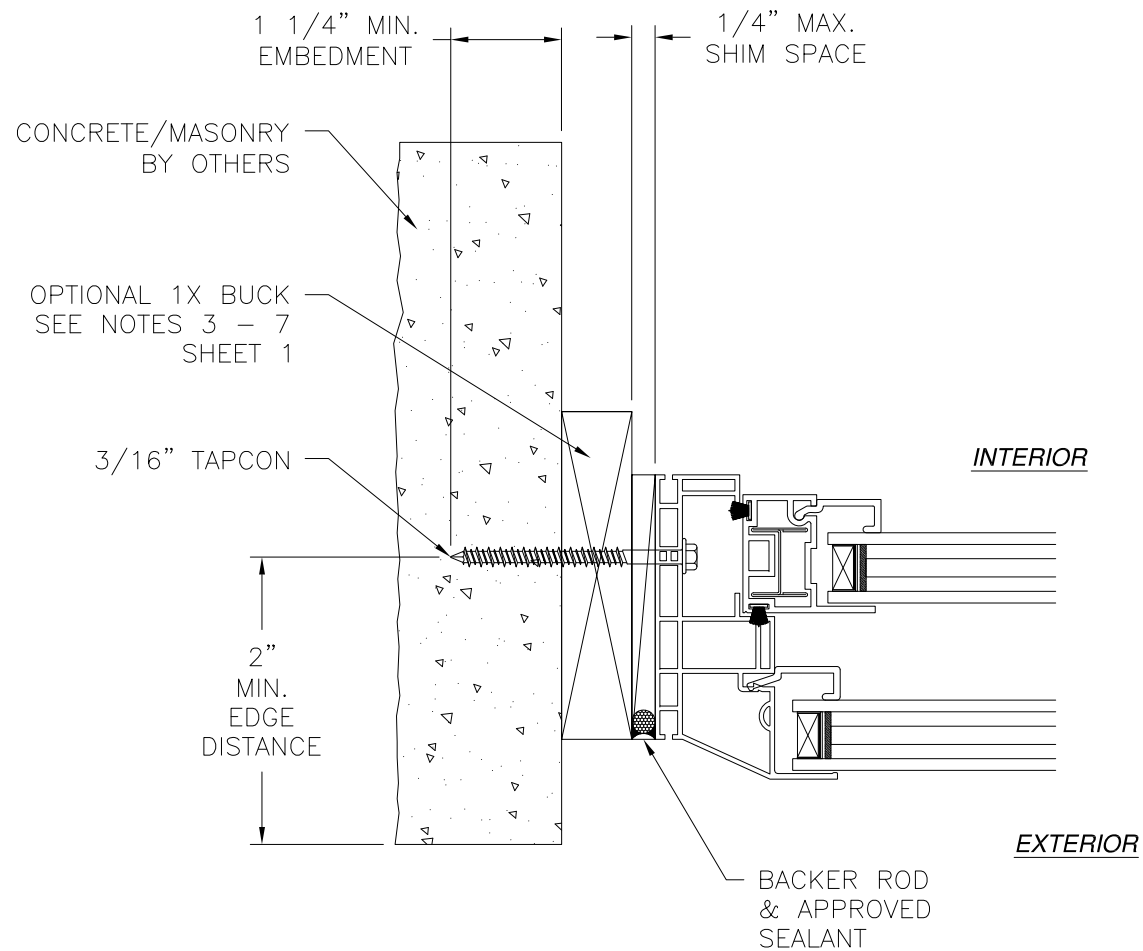
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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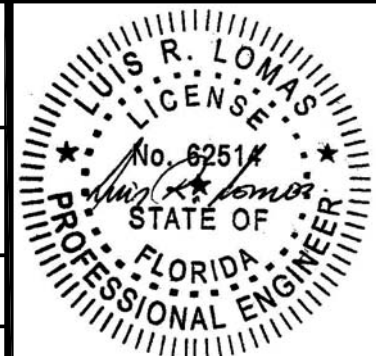
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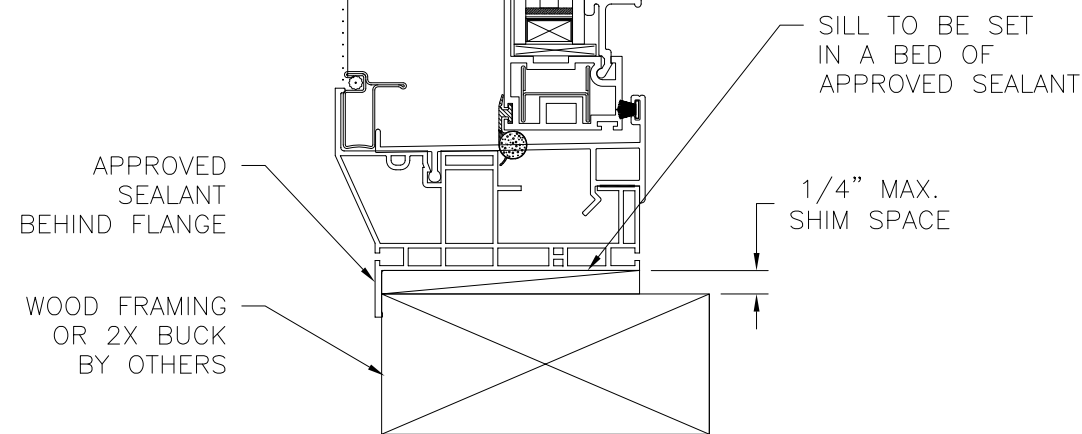
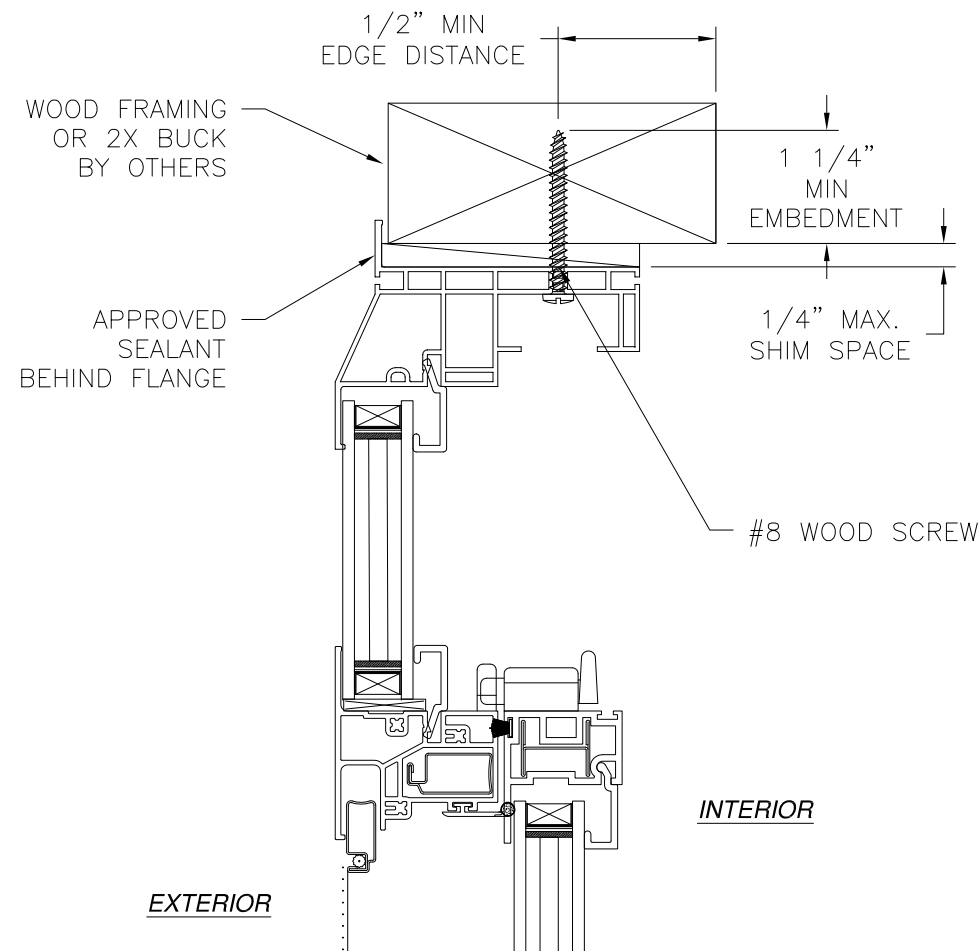
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SHEET 5 OF 13

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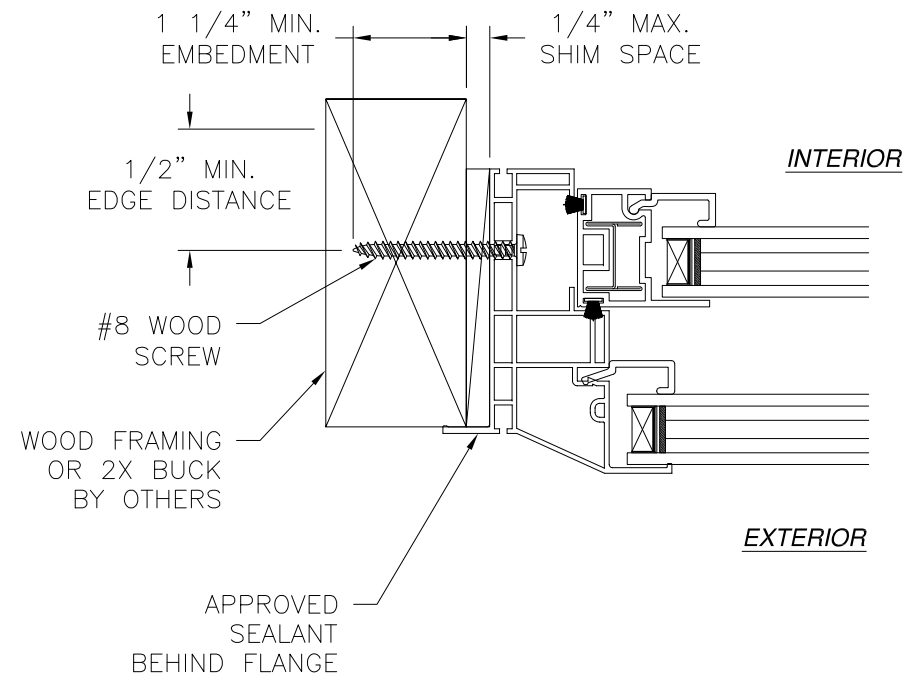
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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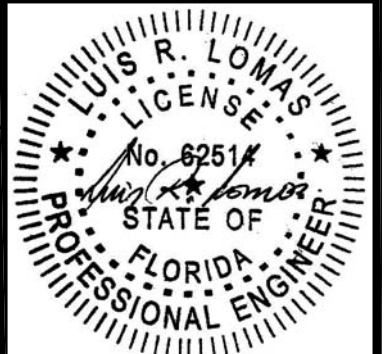
650 WEST MARKET STREET
GRATZ, PA 17030-0370

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 84"
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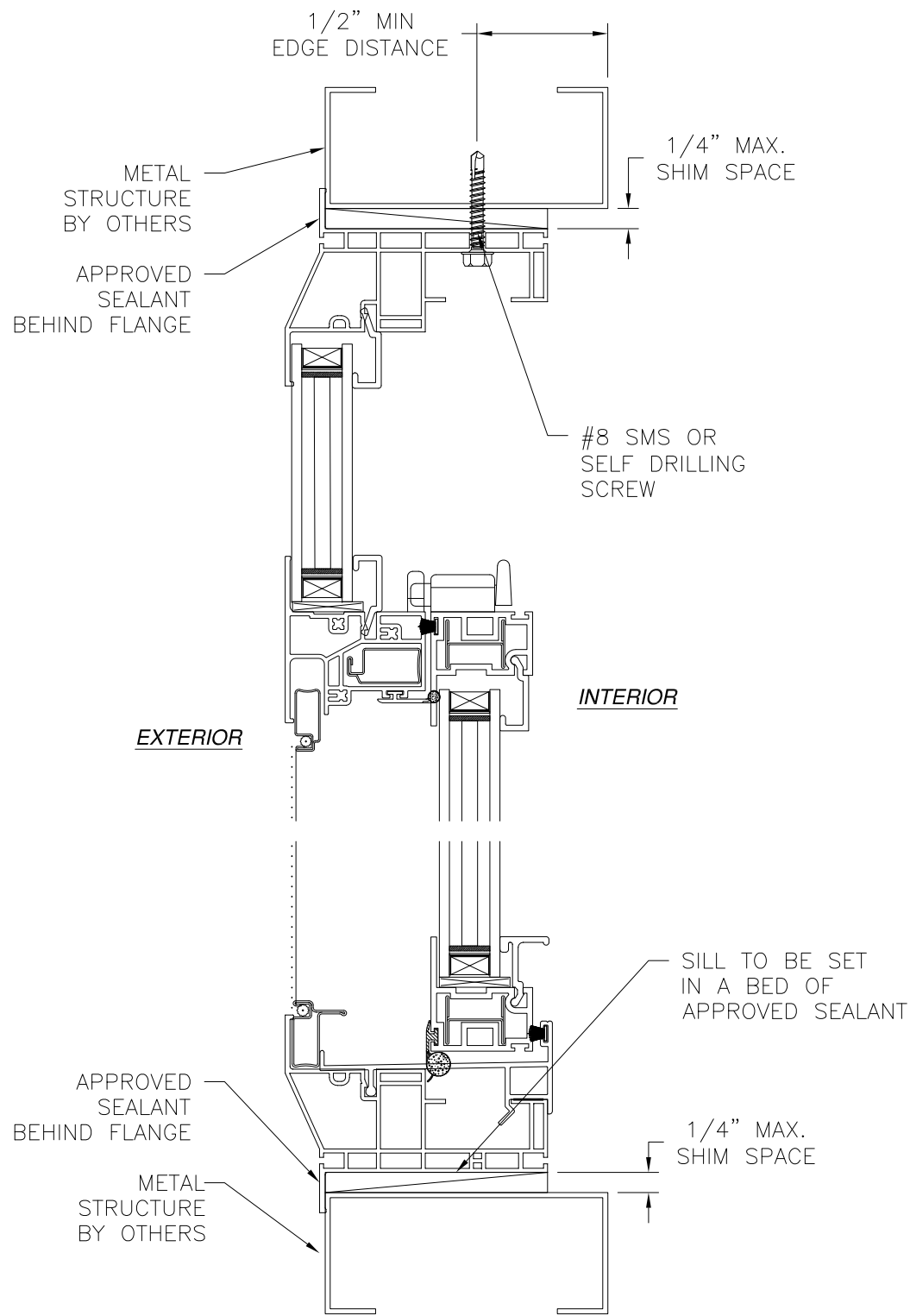
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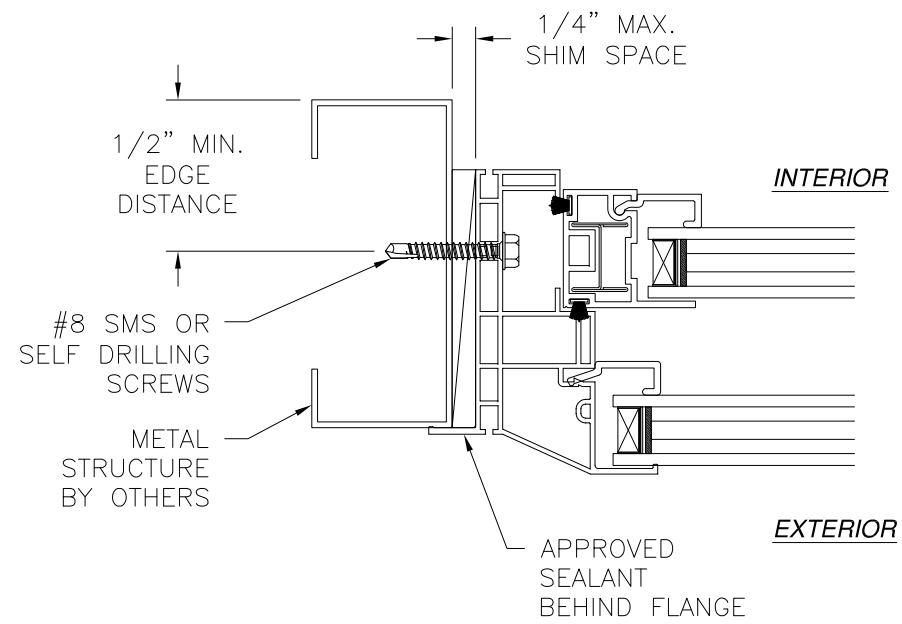
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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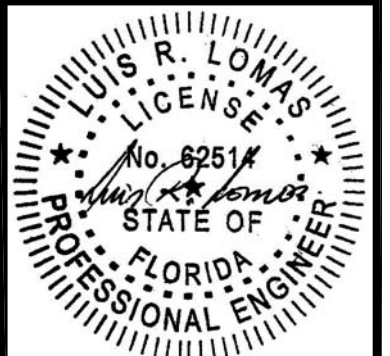
650 WEST MARKET STREET
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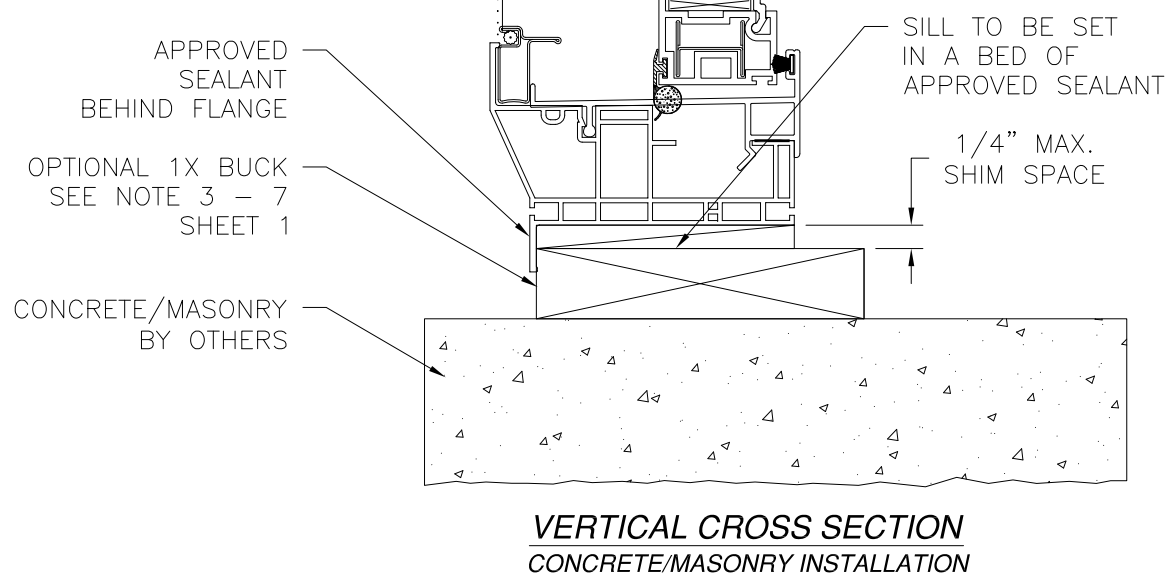
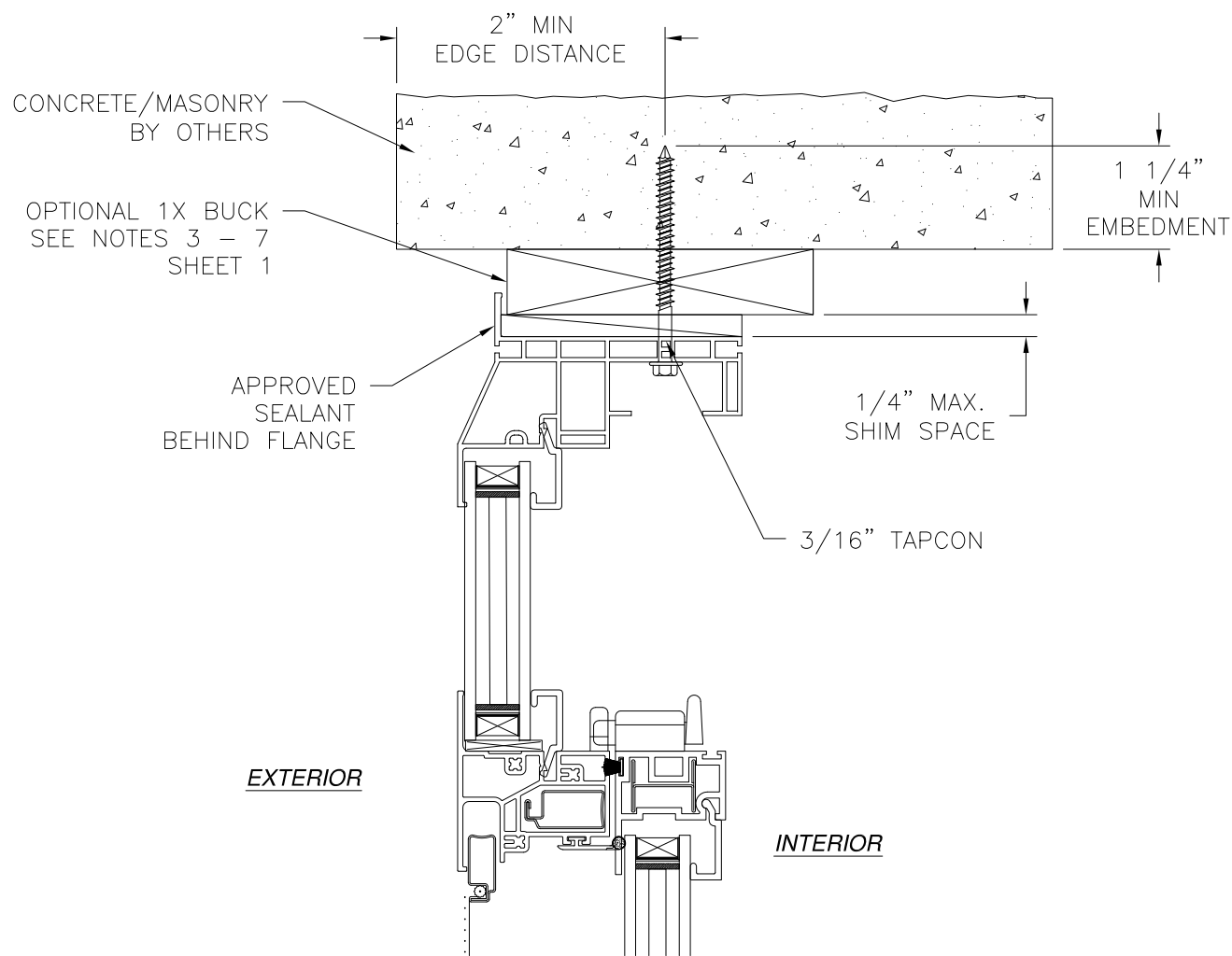
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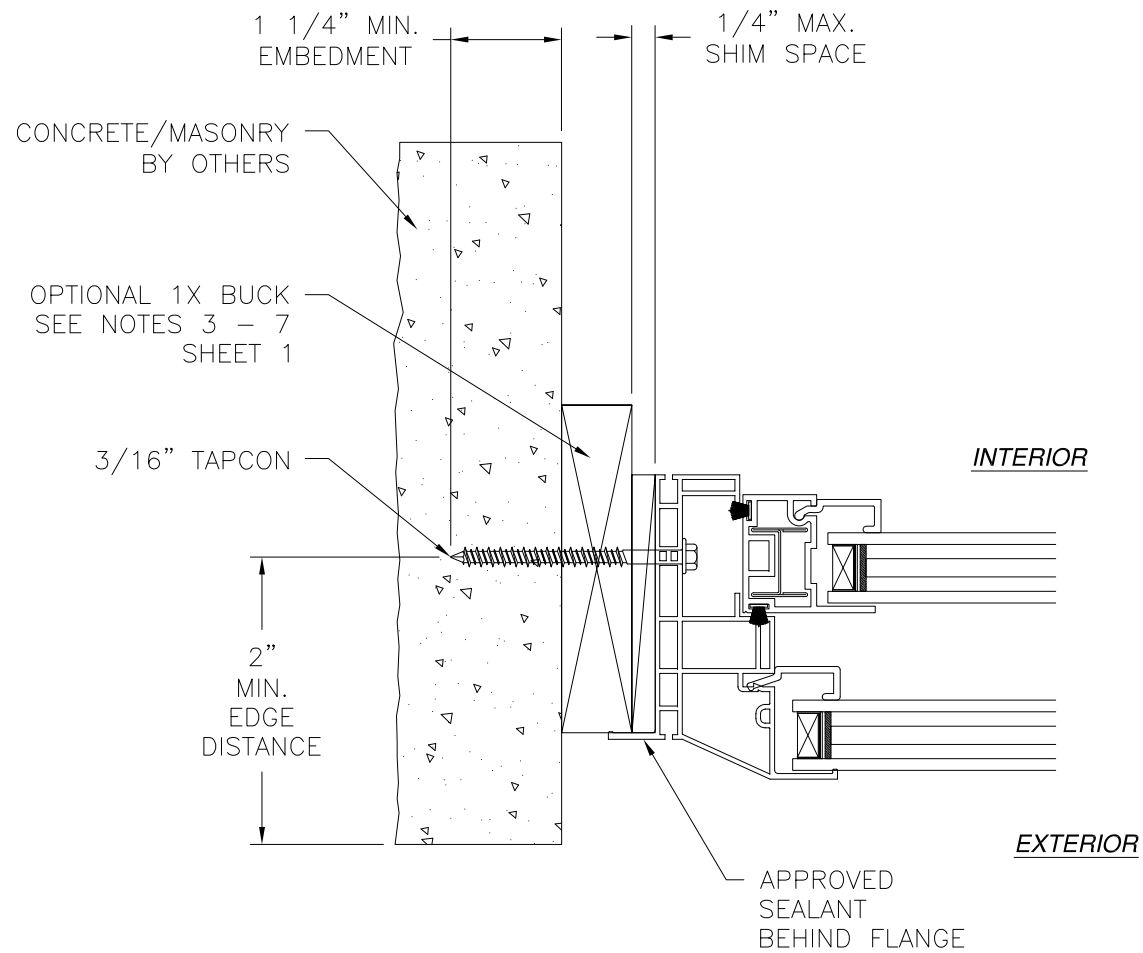
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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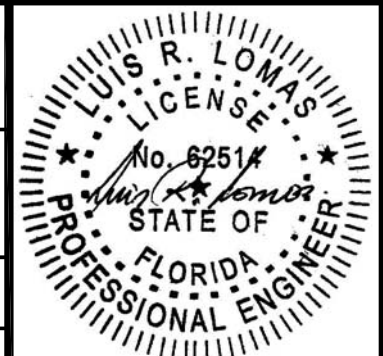
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650 WEST MARKET STREET
GRATZ, PA 17030-0370

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FLANGE INSTALLATION DETAILS

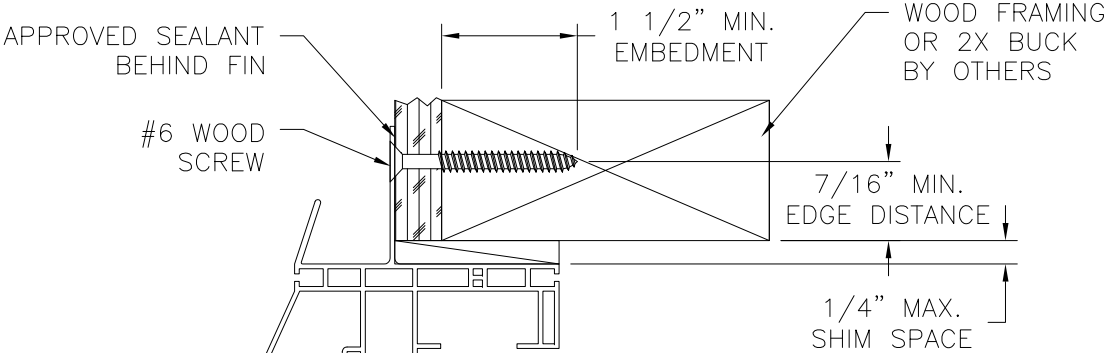
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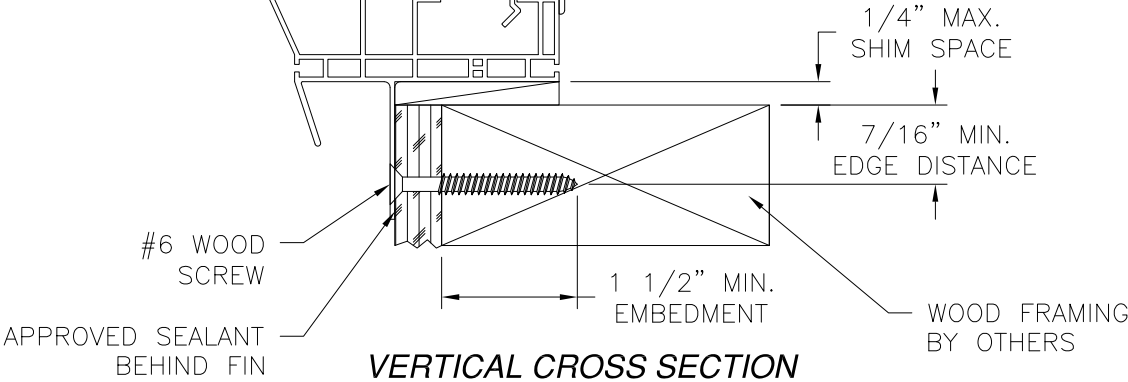
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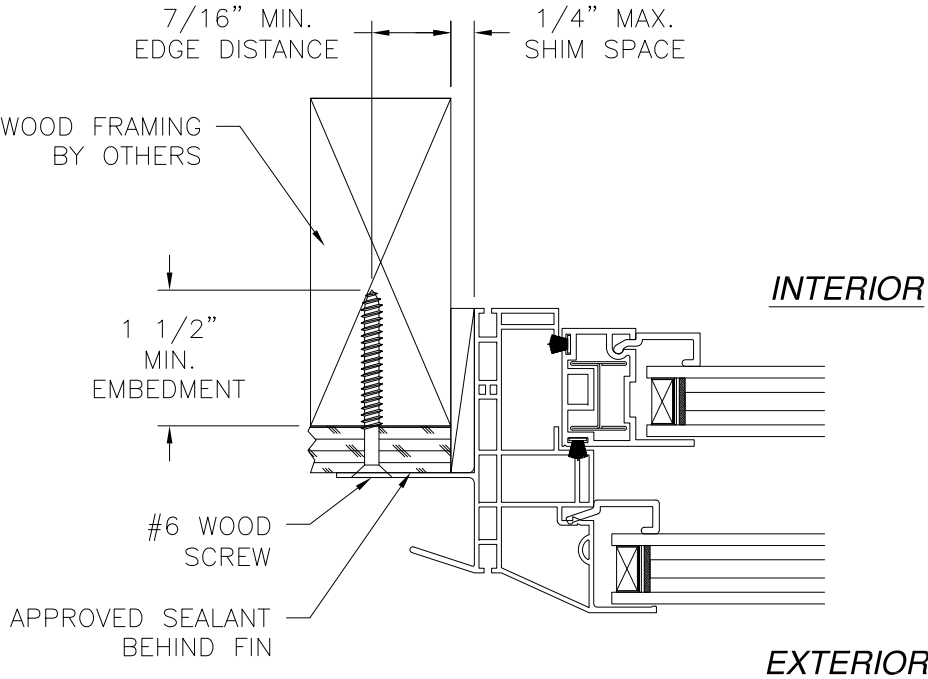


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 84"
INSTALLATION DETAILS WITH "J" CHANNEL

DRAWN:
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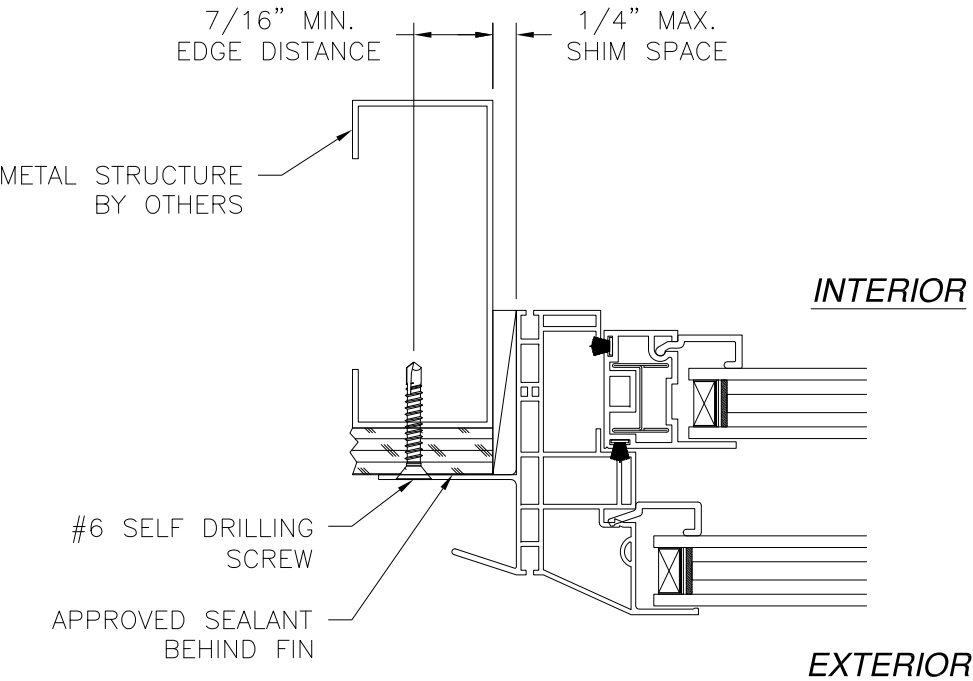
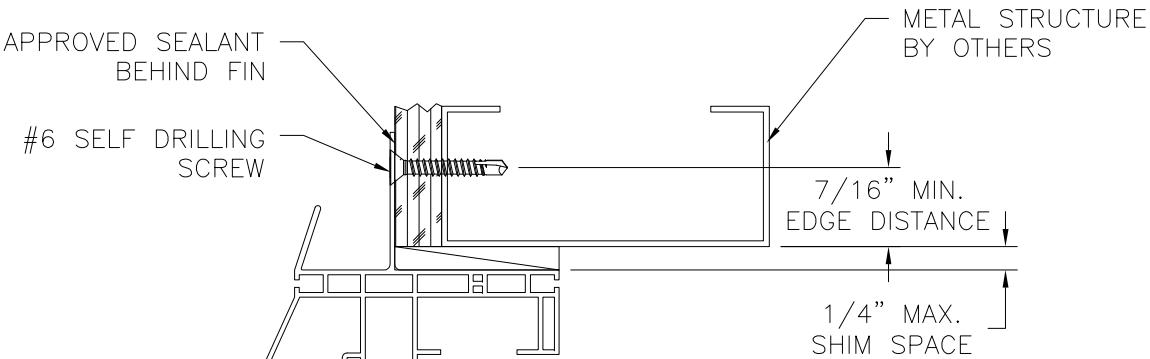
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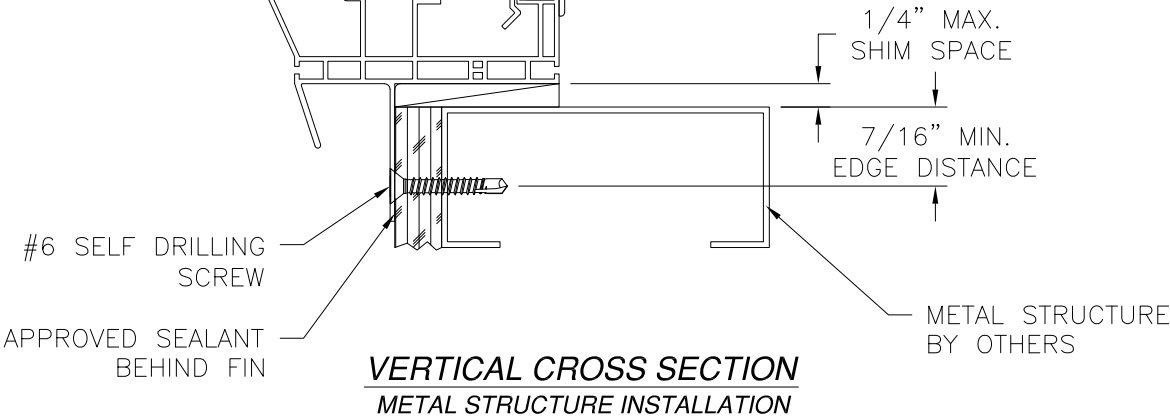
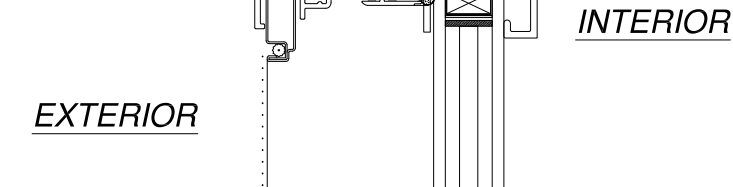


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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



- NOTES:
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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 84"
INSTALLATION DETAILS WITH "J" CHANNEL

DRAWN:
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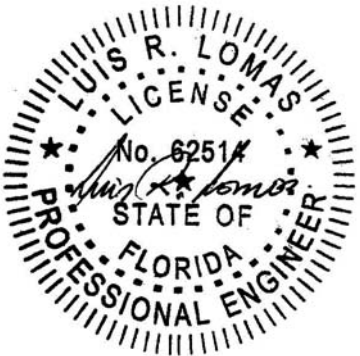
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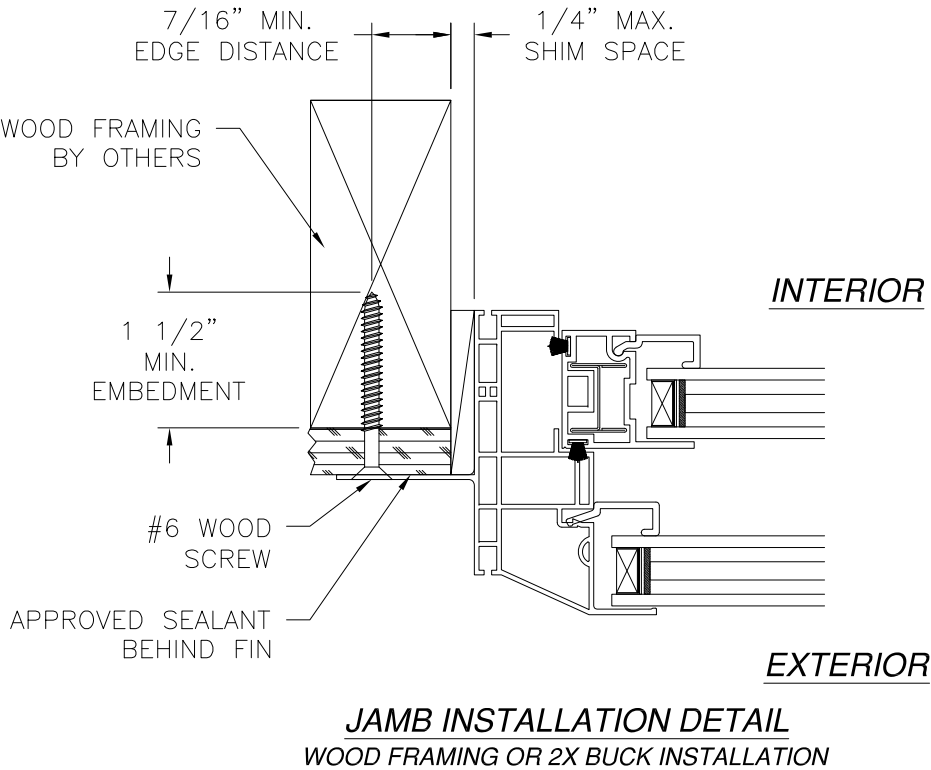
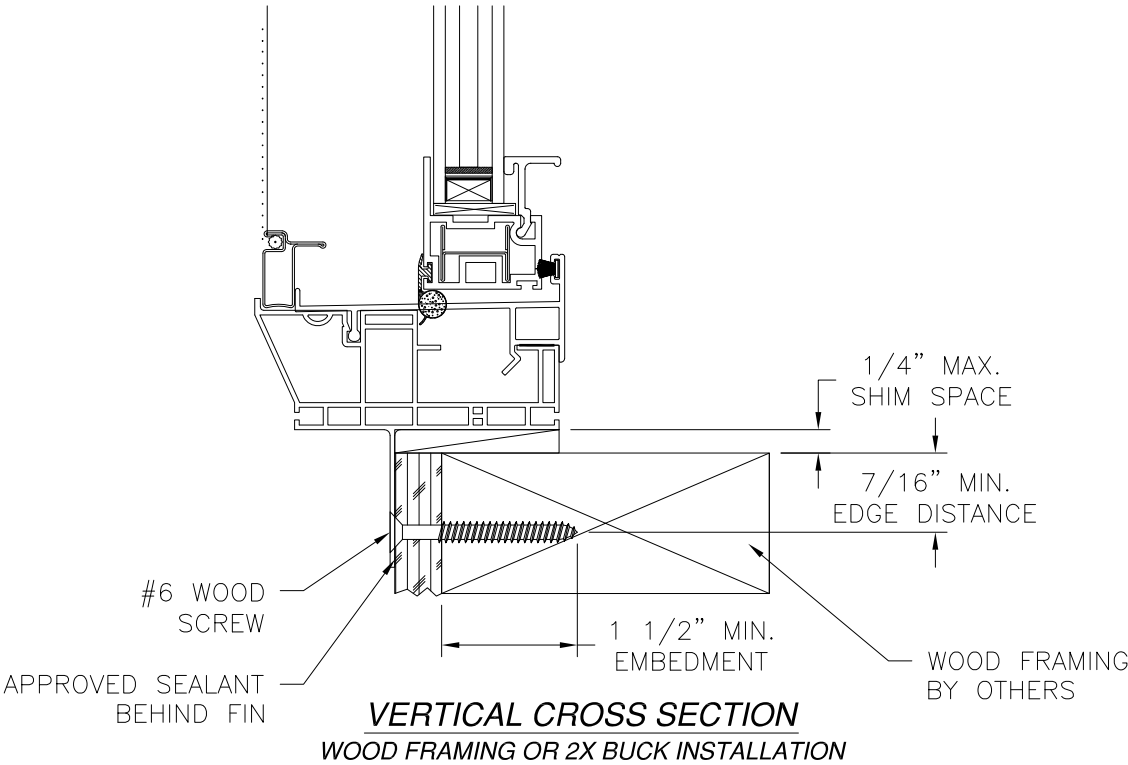
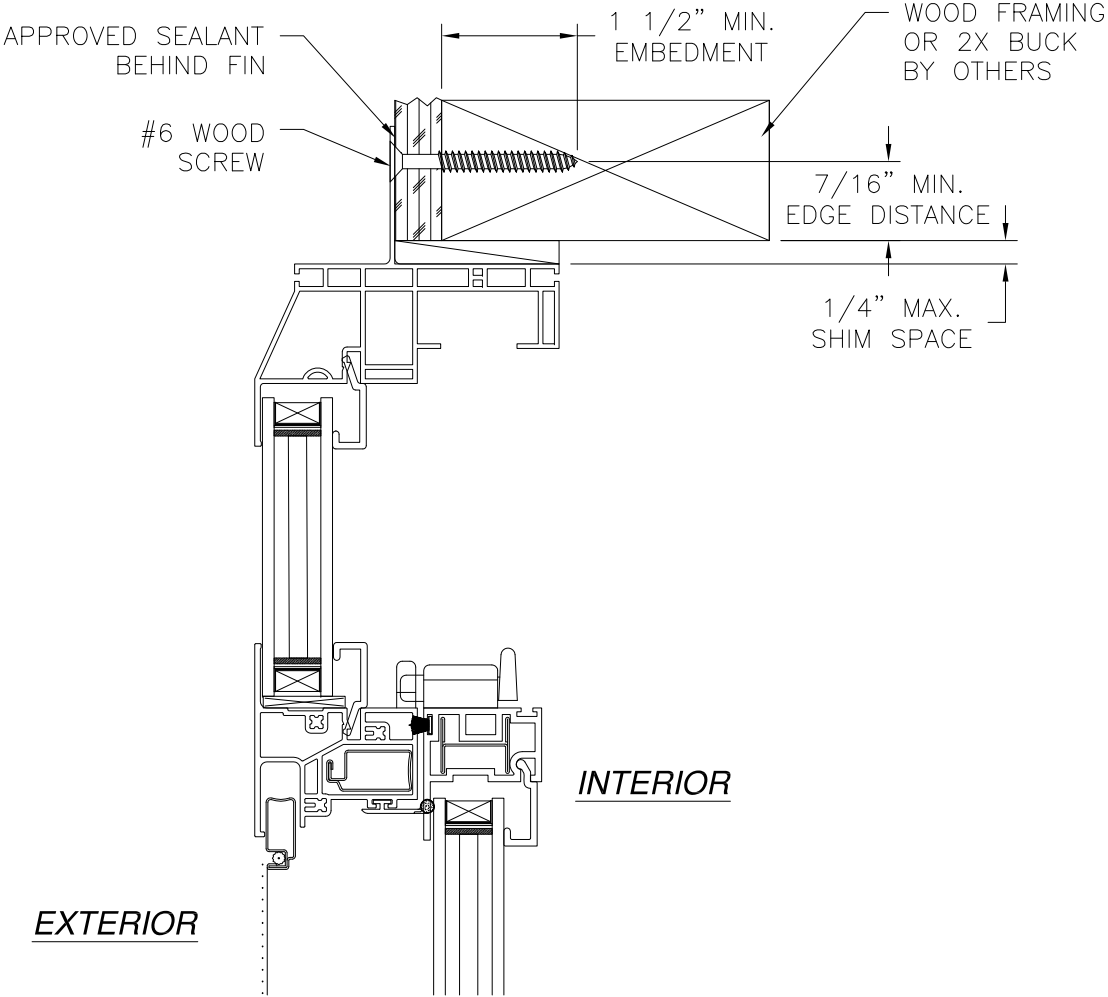
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SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 84"
INSTALLATION DETAILS STANDARD FRAME

DRAWN:
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DWG NO.
08-03569

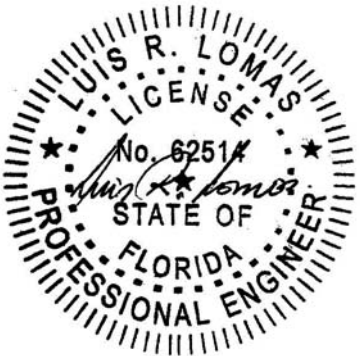
REV
-

SCALE
NTS

DATE
05/19/2020

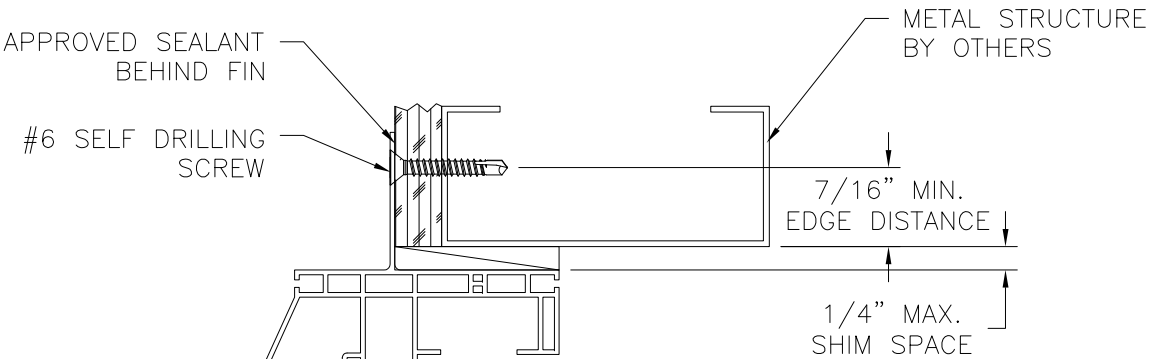
SHEET
11 OF 13

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com



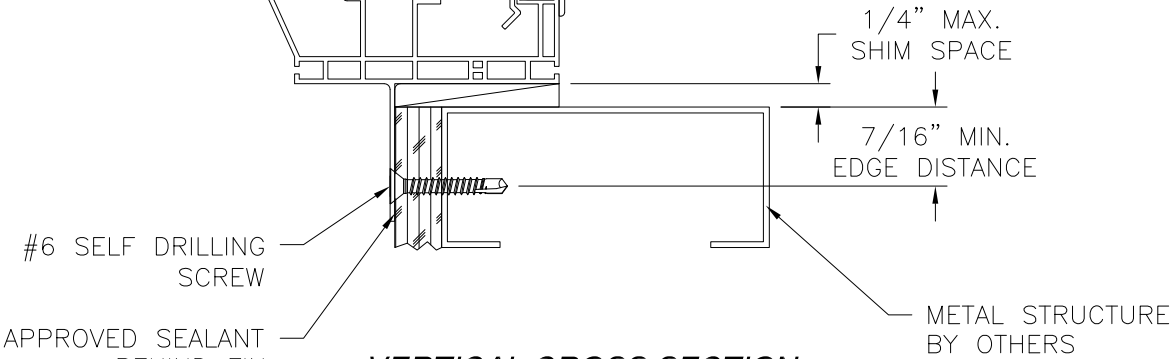
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

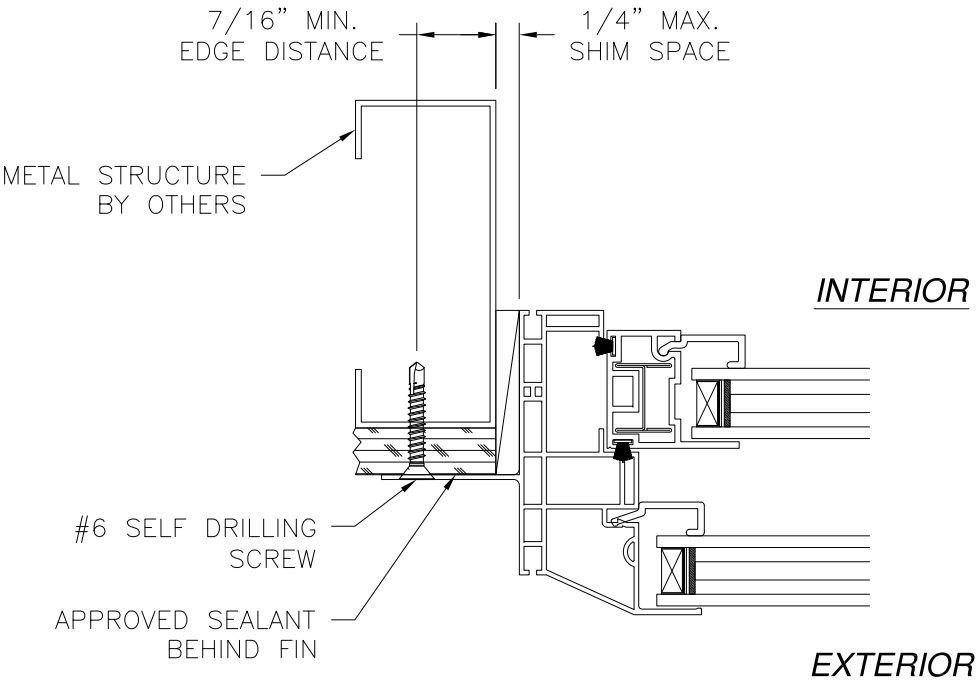


INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

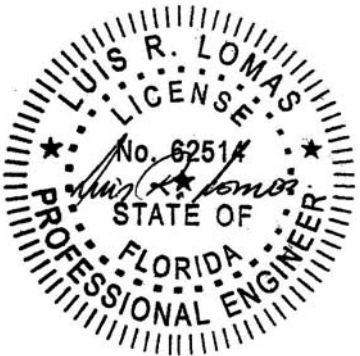


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- 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

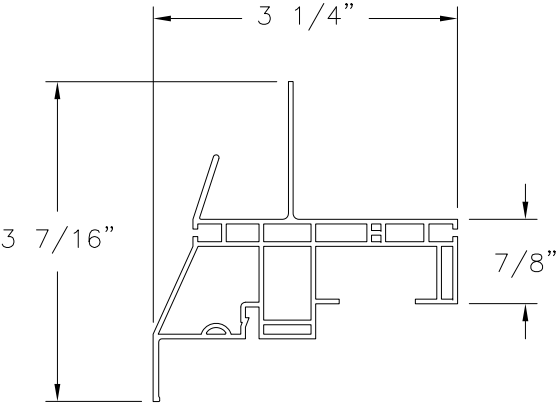
SIGNED: 05/20/2020

MI WINDOWS & DOORS, LLC 650 WEST MARKET STREET GRATZ, PA 17030-0370		
SERIES 3540 PVC SINGLE HUNG WINDOW REINFORCED NON-IMPACT 48" X 84" INSTALLATION DETAILS STANDARD FRAME		
DRAWN: R.L.	DWG NO. 08-03569	REV -
SCALE NTS	DATE 05/19/2020	SHEET 12 OF 13
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

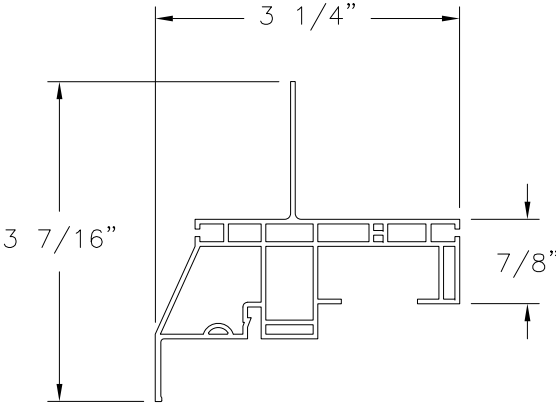


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FL No.: 62514

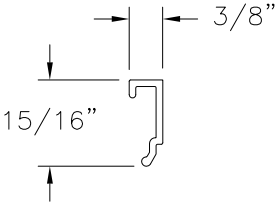
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



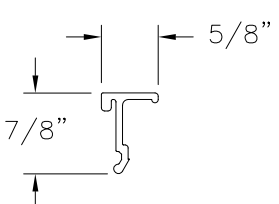
MAIN FRAME WITH "J" CHANNEL
PVC (V-538)



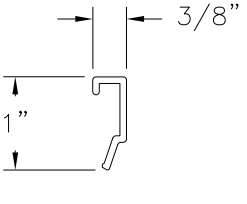
MAIN FRAME
PVC (V-634)



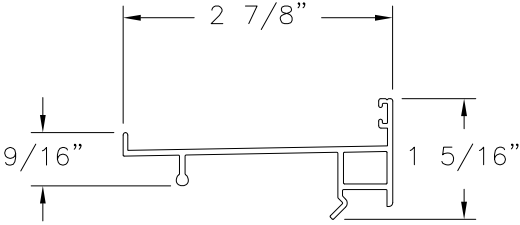
GLAZING BEAD
PVC (V-816)



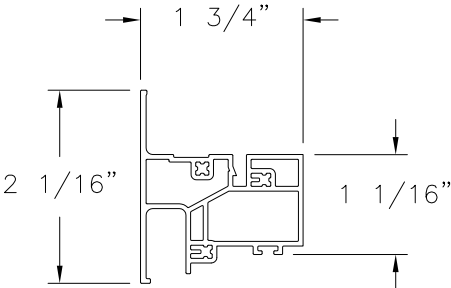
LIFT BEAD
PVC (V-817)



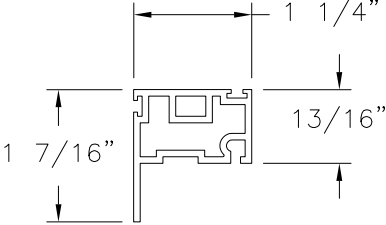
GLAZING BEAD
PVC (V-819)



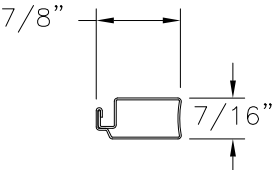
SNAP IN SILL
PVC (V-661)



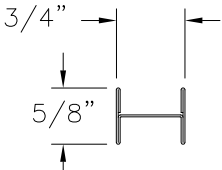
FIXED MEETING RAIL
PVC (V-321)



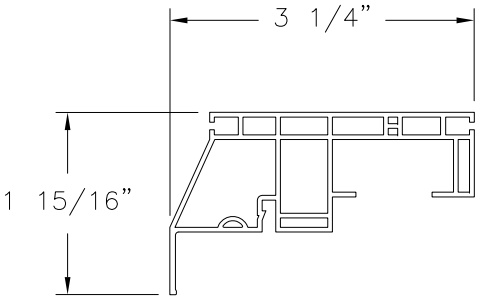
SASH RAIL
PVC (V-451)



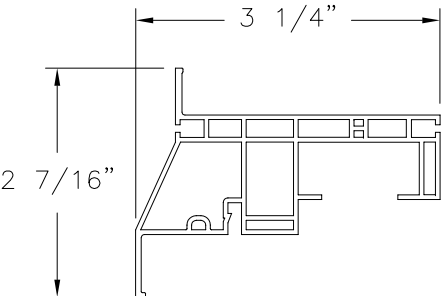
MEETING RAIL LINER
STEEL .019" THICK (RF-104S)



SASH LINER
STEEL .020" THICK (GVL-451)



MAIN FRAME (FINLESS)
PVC (V-634)



MAIN FRAME (FLANGE)
PVC (V-634)

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

SERIES 3540 PVC SINGLE HUNG WINDOW
REINFORCED NON-IMPACT 48" X 84"
COMPONENTS

DRAWN:
R.L.

DWG NO.
08-03569

REV
-

SCALE
NTS

DATE
05/19/2020

SHEET
13 OF 13

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SIGNED: 05/20/2020



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