

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" WINDOW 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. WINDOW 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 WINDOW 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 ALUMINUM 6063-T5.
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 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 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:

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 .048" THICK MINIMUM

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MI WINDOW AND DOORS, LLC.

650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
36" X 71" - NON-IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03163

REV
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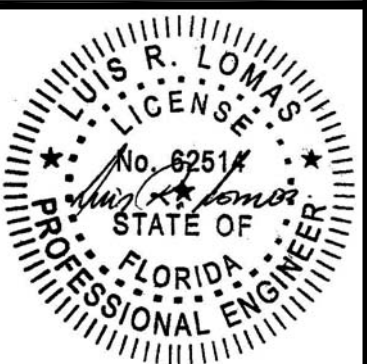
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SHEET 1 OF 8

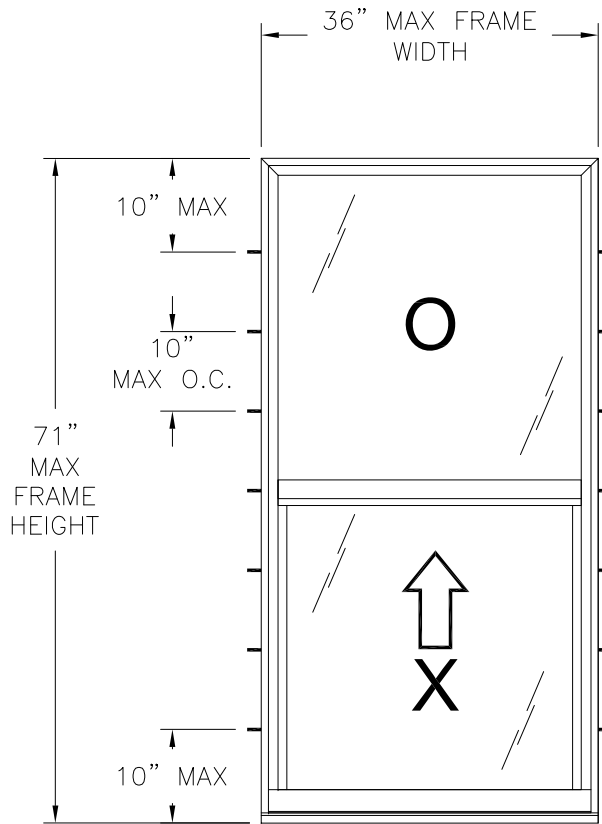
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 02/27/2020

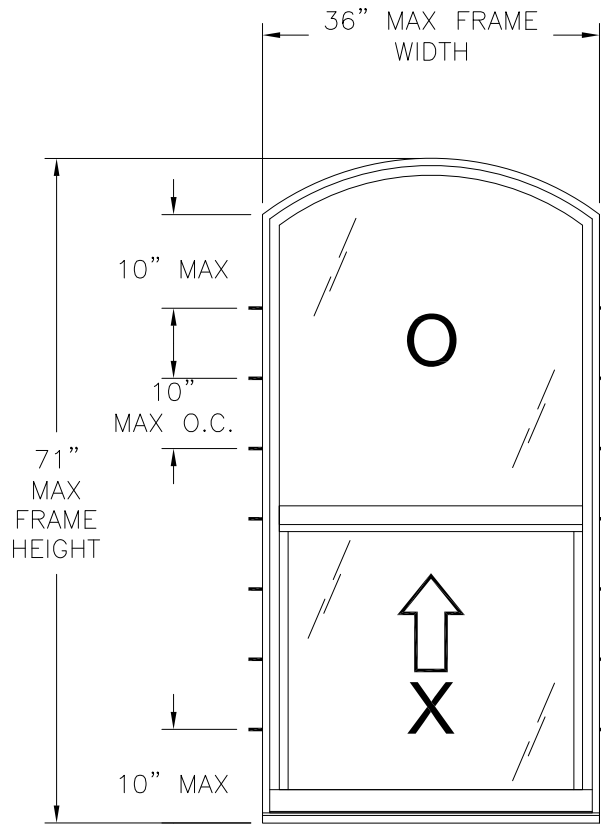


Luis R. Lomas P.E.
FL No.: 62514

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185 ALUMINUM SINGLE HUNG WINDOW
EXTERIOR VIEW
FLANGE & FINLESS INSTALLATION
SEE CHART #1 FOR SMALLER UNITS REQUIRED ANCHORS



185 ALUMINUM SINGLE HUNG WINDOW
DESIGNER EXTERIOR VIEW
FLANGE & FINLESS INSTALLATION
SEE CHART #1 FOR SMALLER UNITS REQUIRED ANCHORS

CHART #1 FLANGE & FINLESS INSTALLATION

Frame Height (in)	Number of anchor locations required							
	Frame Width (in)							
	18.00		24.00		30.00		36.00	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
24.00	1	2	2	2	2	2	3	2
30.00	1	2	2	2	2	3	3	3
36.00	1	3	2	3	2	3	3	3
42.00	1	4	2	4	2	4	3	4
48.00	1	4	2	4	2	4	3	5
54.00	1	5	2	5	2	5	3	5
60.00	1	5	2	5	2	5	3	6
66.00	1	6	2	6	2	6	3	7
71.00	1	7	2	7	2	7	3	7

DESIGN PRESSURE RATING	IMPACT RATING
+60.0/-67.0PSF	NONE

- NOTES:
1. MAXIMUM SASH SIZE: 34 3/8" X 35 5/8"
 2. MAXIMUM D.L.O.: 33 1/4" X 32 1/8"

HARDWARE SCHEDULE	
A.	(2) SWEEP LOCK AT 8" FROM EACH END OF LOCK RAIL
B.	(2) BLOCK AND TACKLE SASH BALANCES AT JAMBS

MI WINDOW AND DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
36" X 71" – NON-IMPACT
FLANGE & FINLESS ELEVATIONS

DRAWN:
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DWG NO.
08-03163

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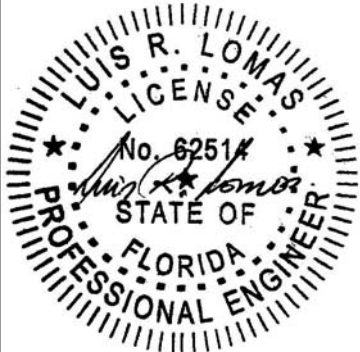
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SHEET 2 OF 8

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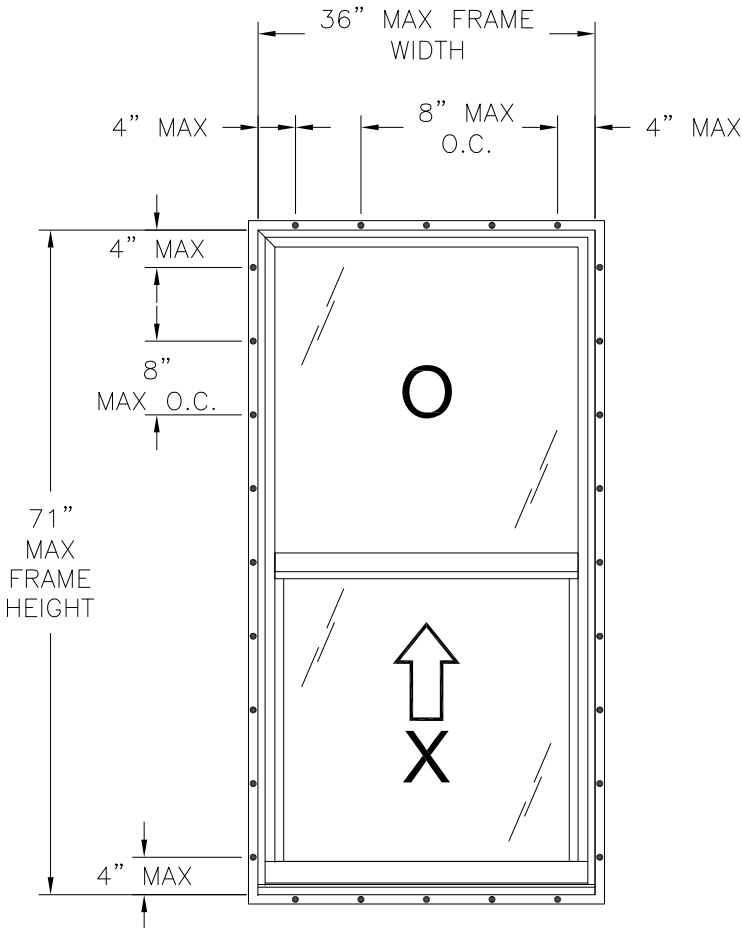


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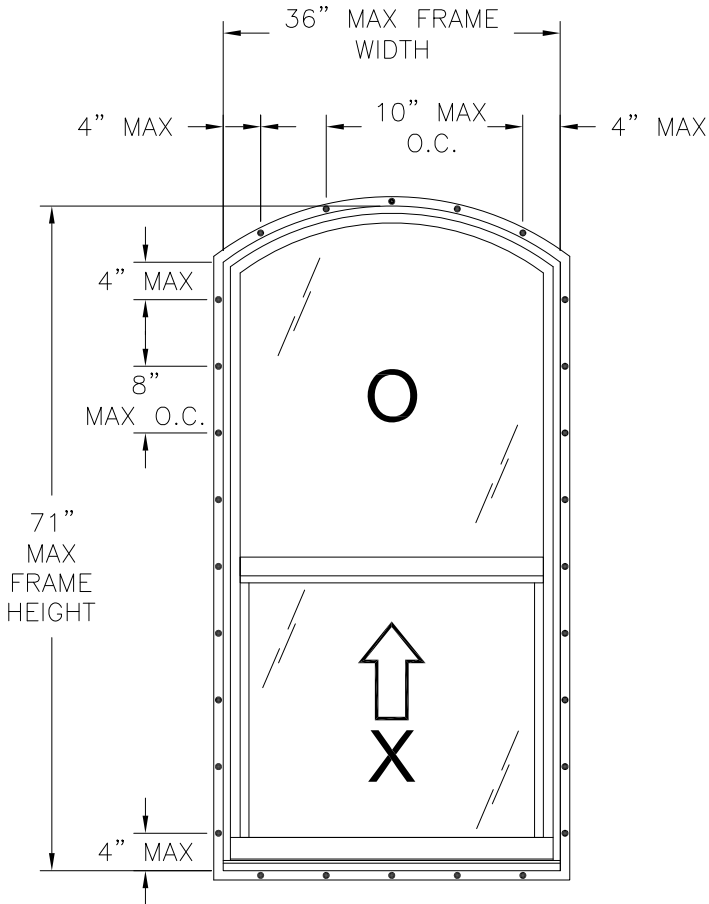
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CHART #2 FIN INSTALLATION

Number of anchor locations required								
Frame Height (in)	Frame Width (in)							
	18.00		24.00		30.00		36.00	
	H & S	Jamb	H & S	Jamb	H & S	Jamb	H & S	Jamb
24.00	3	3	3	3	4	3	5	3
30.00	3	4	3	4	4	4	5	4
36.00	3	5	3	5	4	5	5	5
42.00	3	6	3	6	4	6	5	6
48.00	3	6	3	6	4	6	5	6
54.00	3	7	3	7	4	7	5	7
60.00	3	8	3	8	4	8	5	8
66.00	3	9	3	9	4	9	5	9
71.00	3	9	3	9	4	9	5	9



185 ALUMINUM SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION
SEE CHART #2 FOR SMALLER UNITS REQUIRED ANCHORS



185 ALUMINUM SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION
SEE CHART #2 FOR SMALLER UNITS REQUIRED ANCHORS

DESIGN PRESSURE RATING	IMPACT RATING
+60.0/-67.0PSF	NONE

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SERIES 185 ALUMINUM SINGLE HUNG WINDOW
36" X 71" – NON-IMPACT
FIN ELEVATIONS

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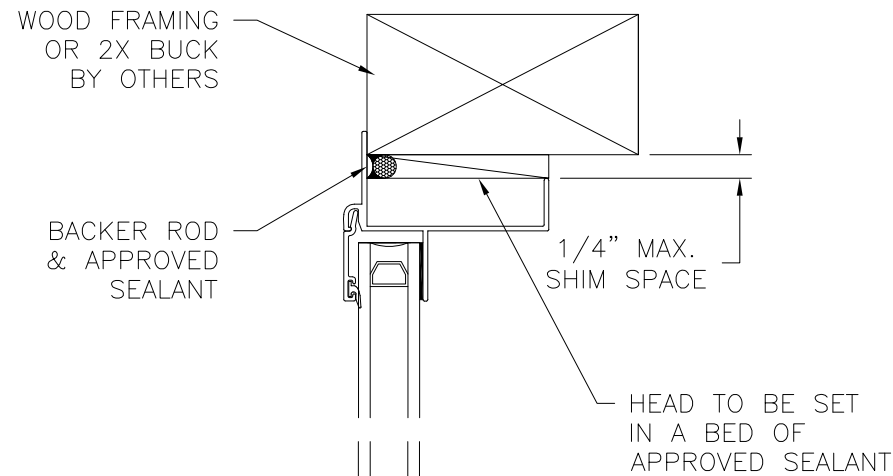
SHEET 3 OF 8

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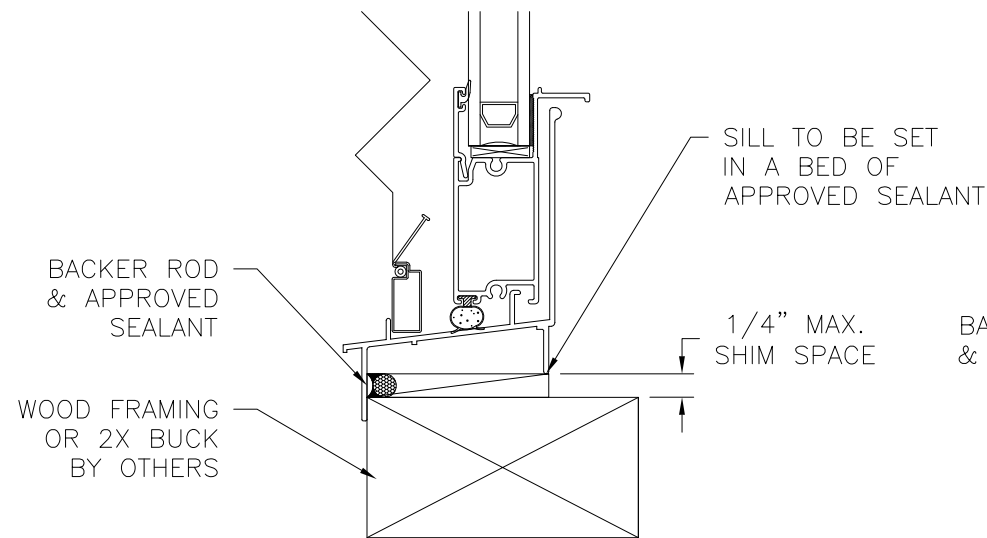


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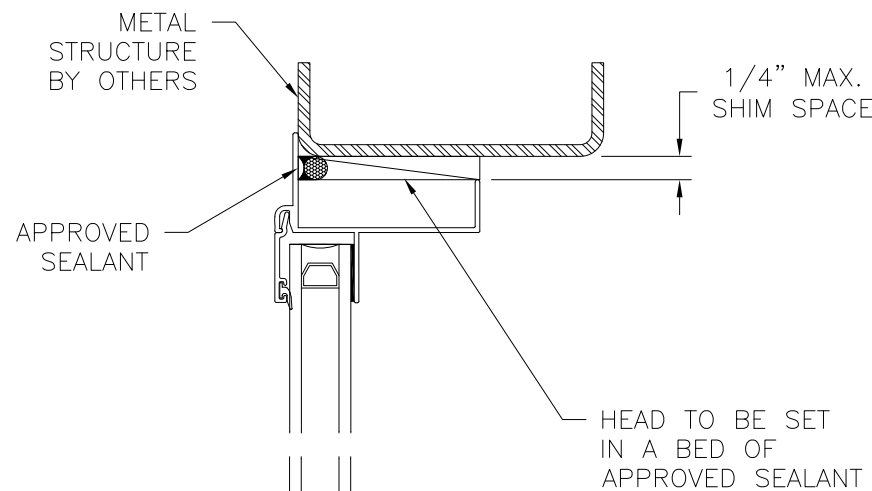


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INTERIOR

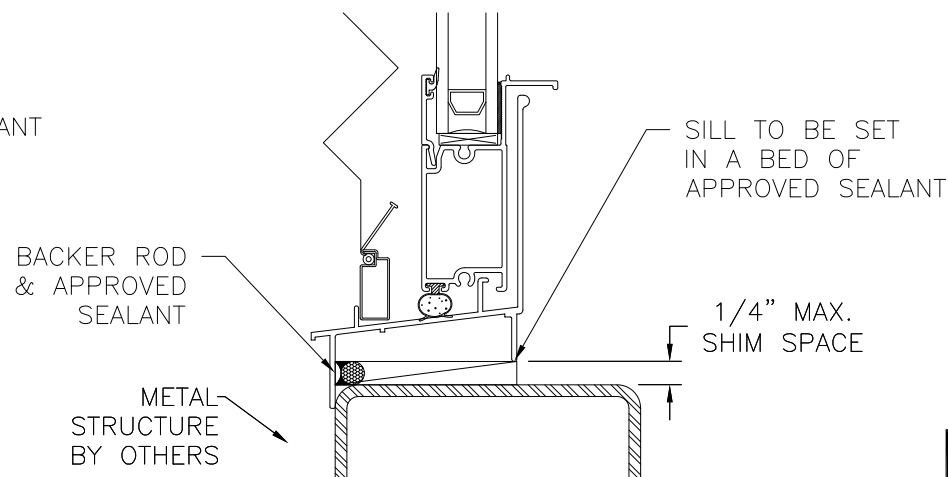


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



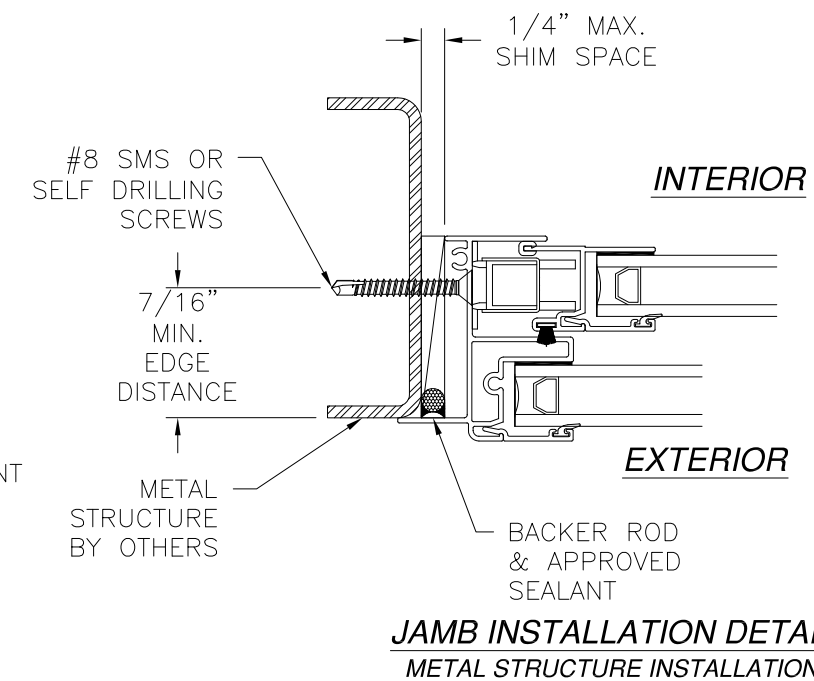
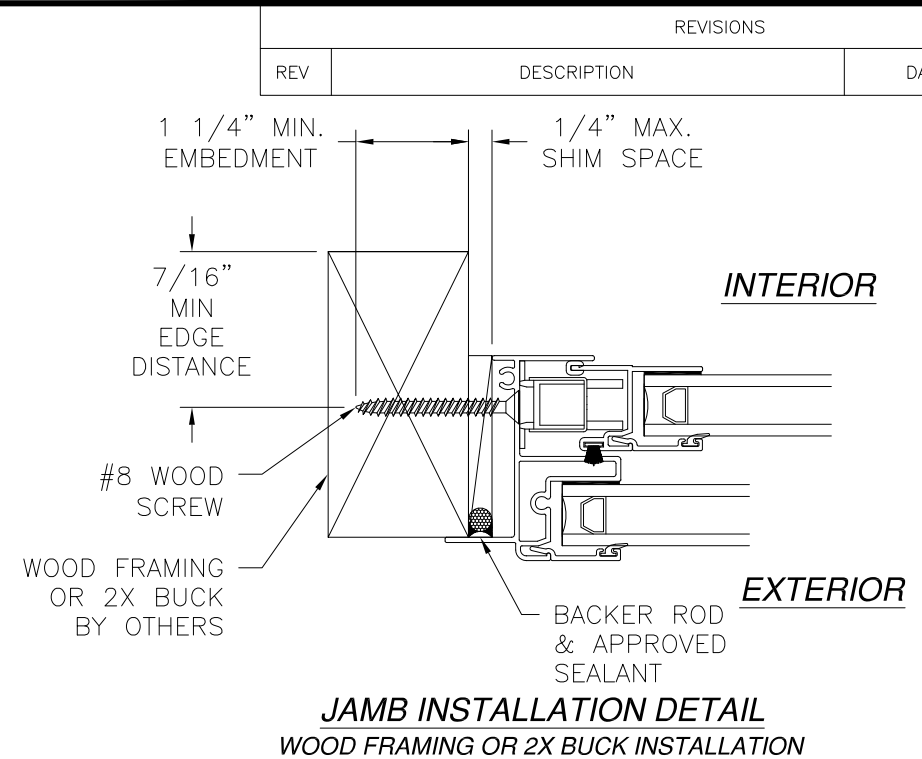
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
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



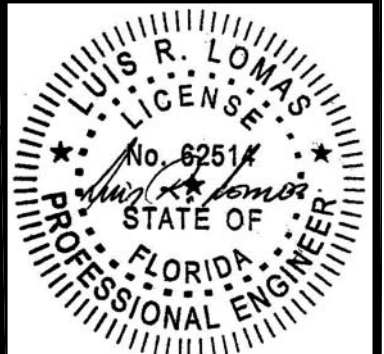
MI WINDOW AND DOORS, LLC.
650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
36" X 71" – NON-IMPACT
FLANGE INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03163	REV -
SCALE NTS	DATE 08/17/17	SHEET 4 OF 8

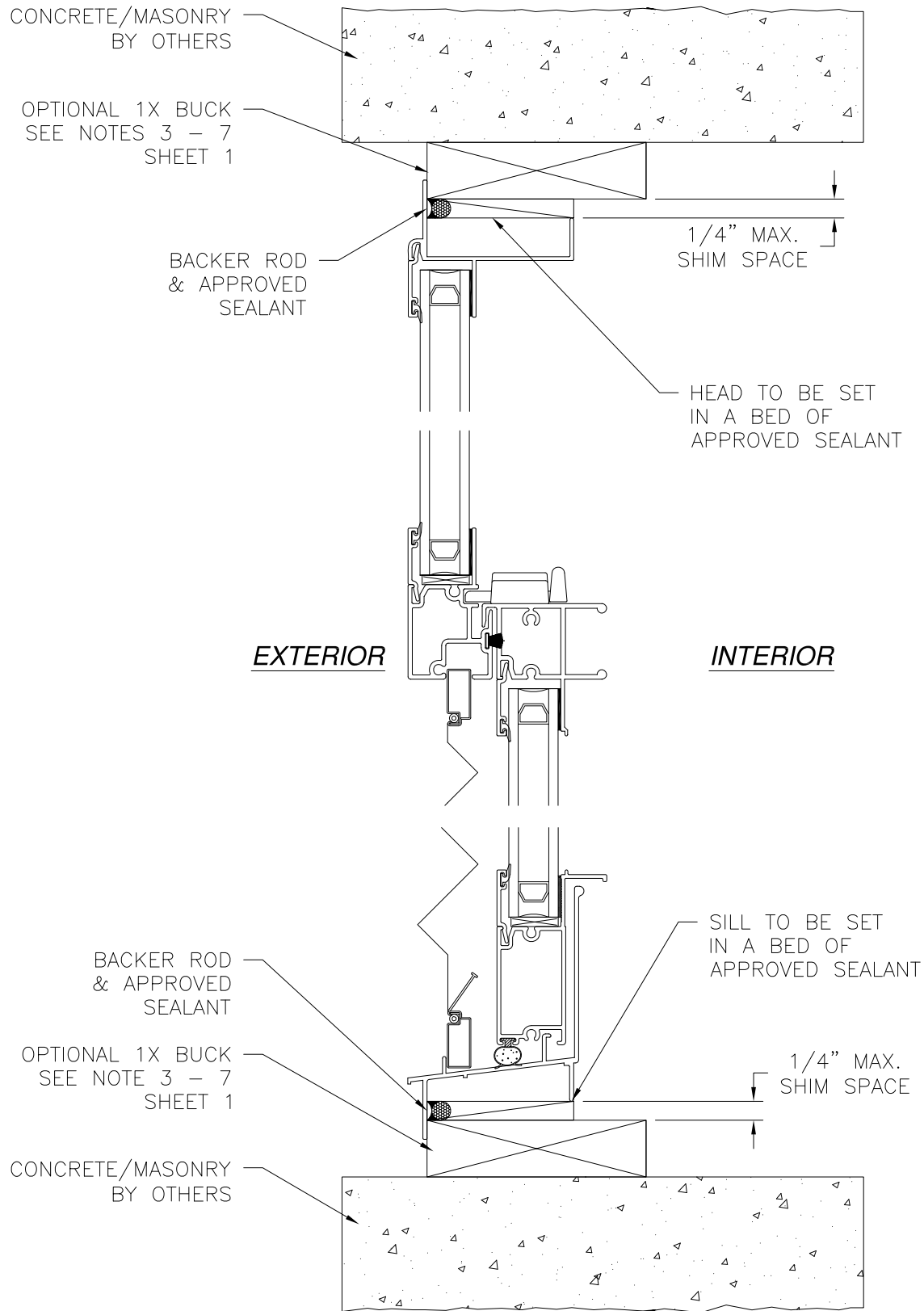
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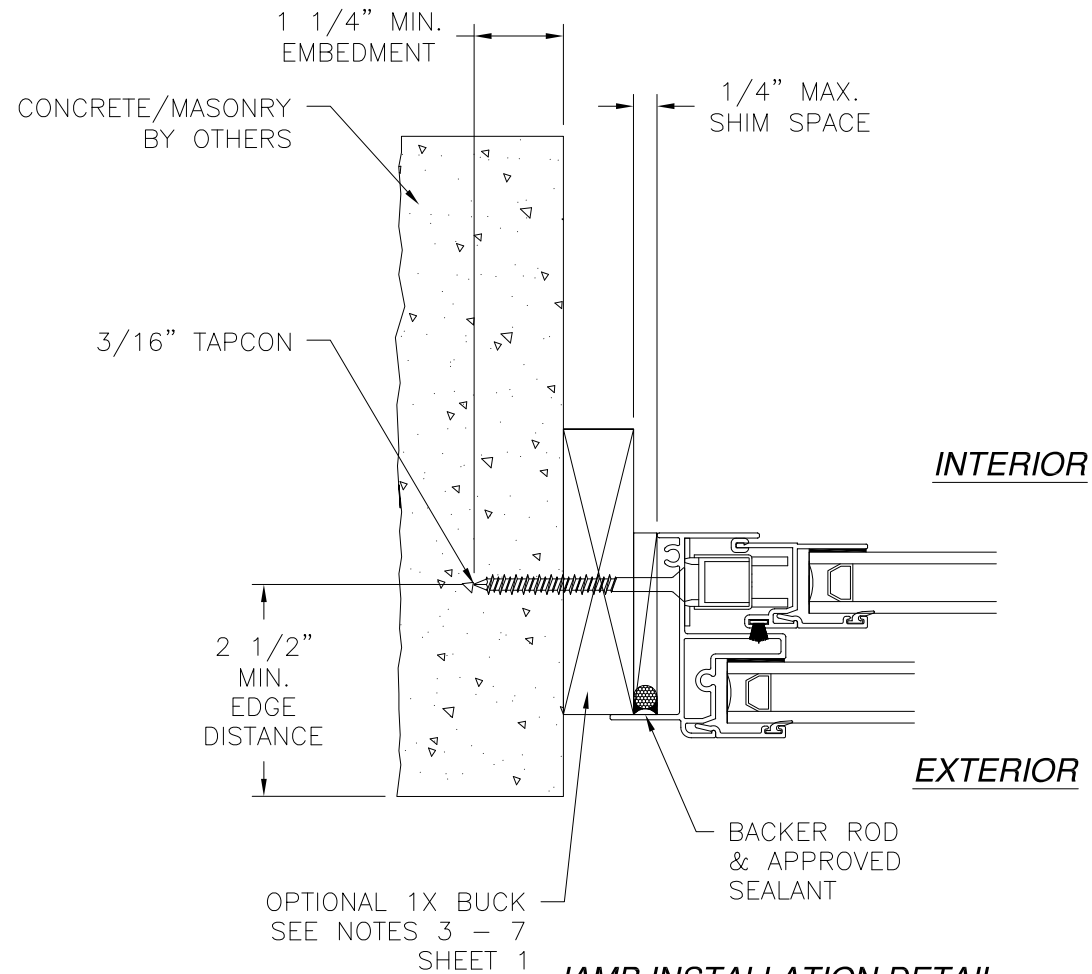


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

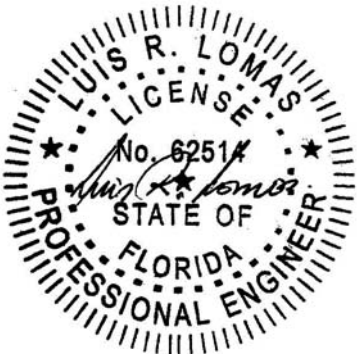


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

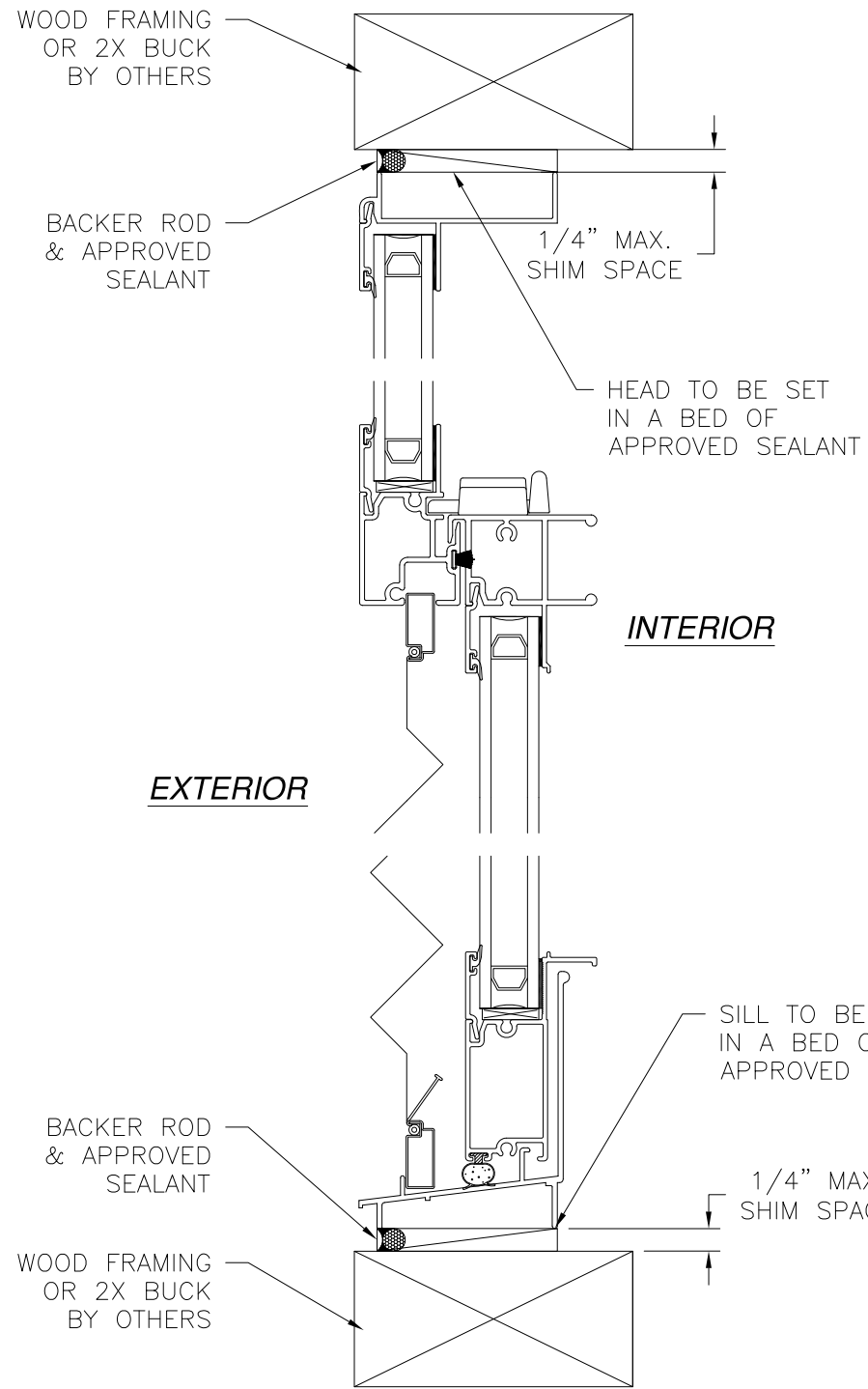
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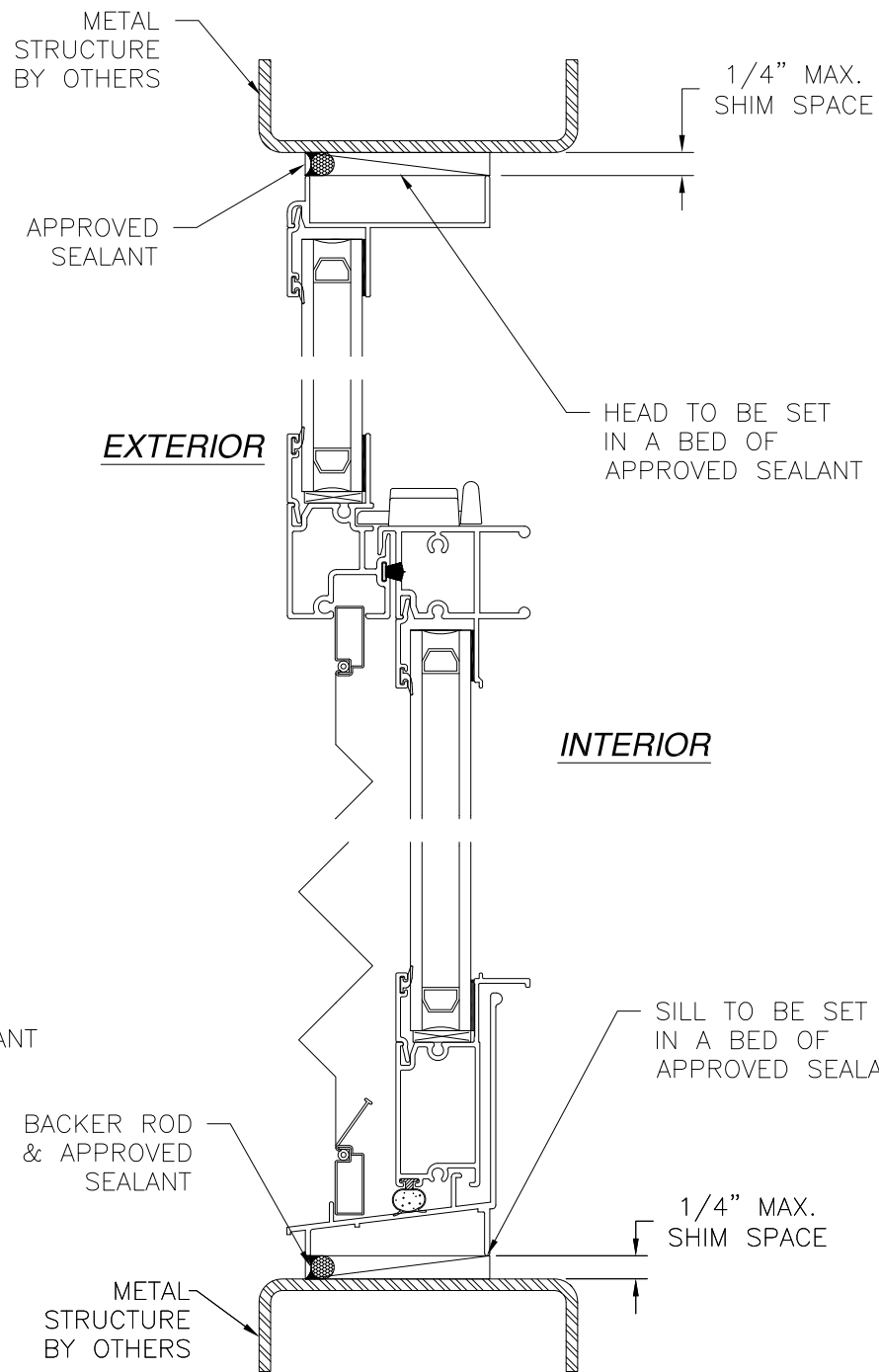
MI WINDOW AND DOORS, LLC. 650 WEST MARKET STREET GRATZ, PA 17030		
SERIES 185 ALUMINUM SINGLE HUNG WINDOW 36" X 71" – NON-IMPACT FLANGE INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03163	REV -
SCALE NTS	DATE 08/17/17	SHEET 5 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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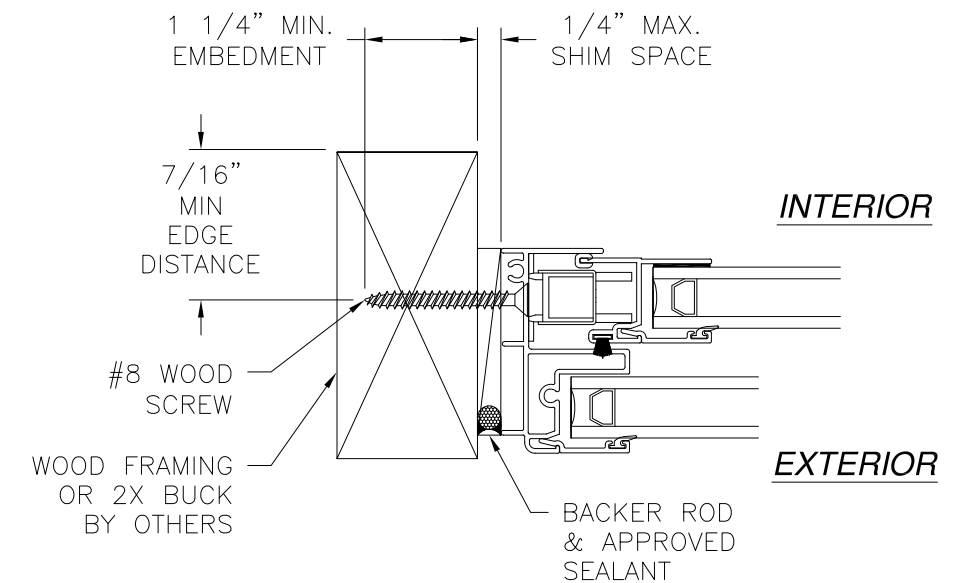
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WOOD FRAMING OR 2X BUCK INSTALLATION



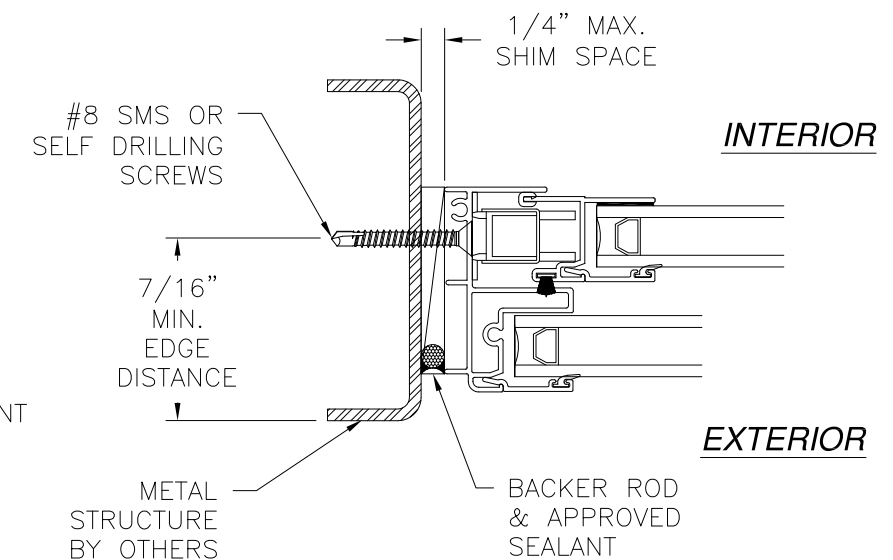
VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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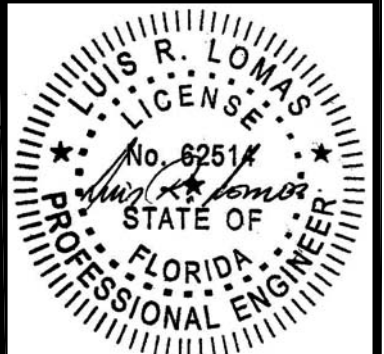
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650 WEST MARKET STREET
GRATZ, PA 17030

SERIES 185 ALUMINUM SINGLE HUNG WINDOW
36" X 71" – NON-IMPACT
FINLESS INSTALLATION DETAILS

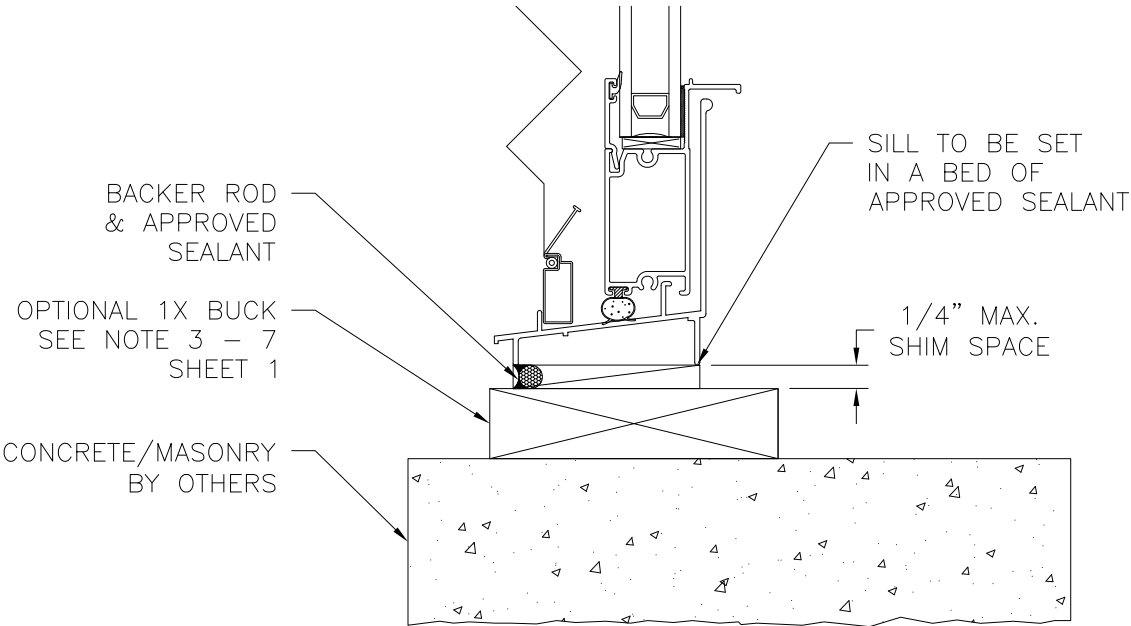
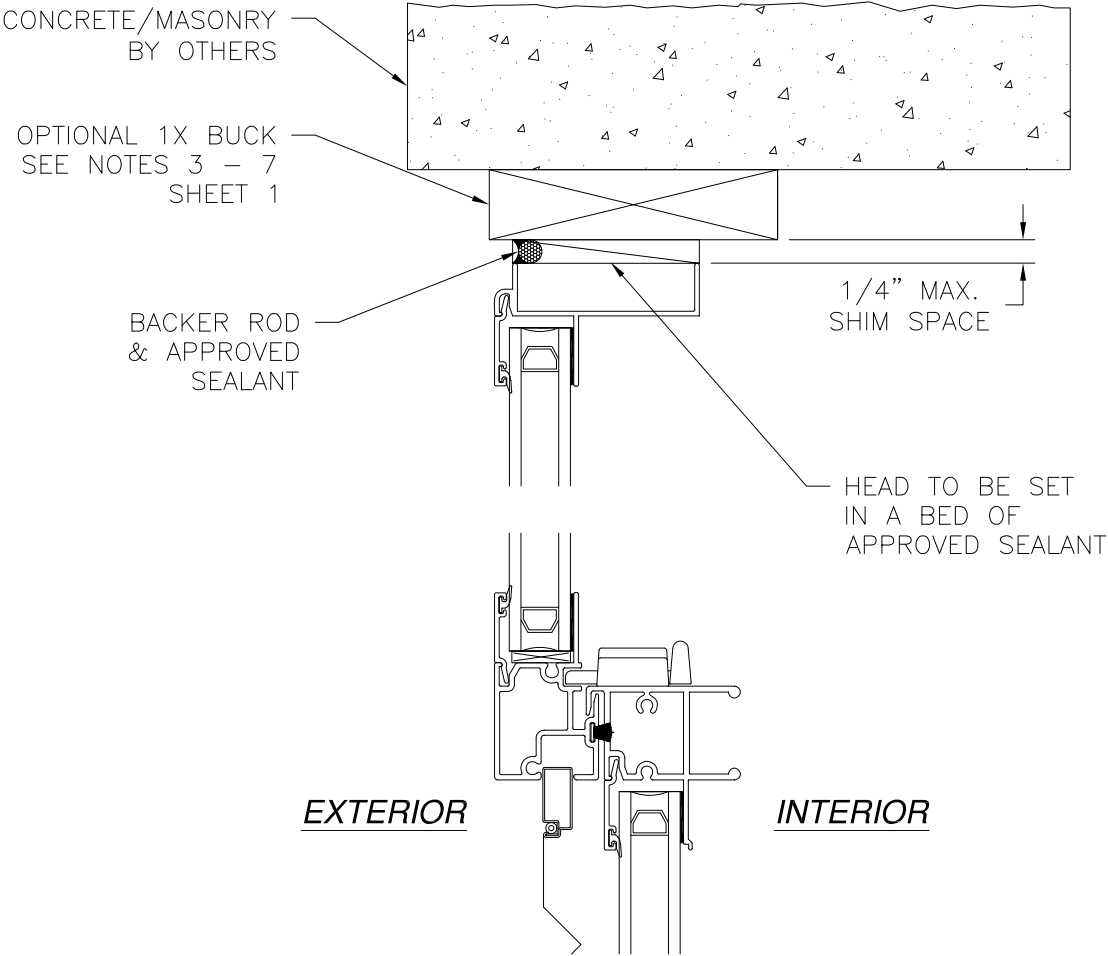
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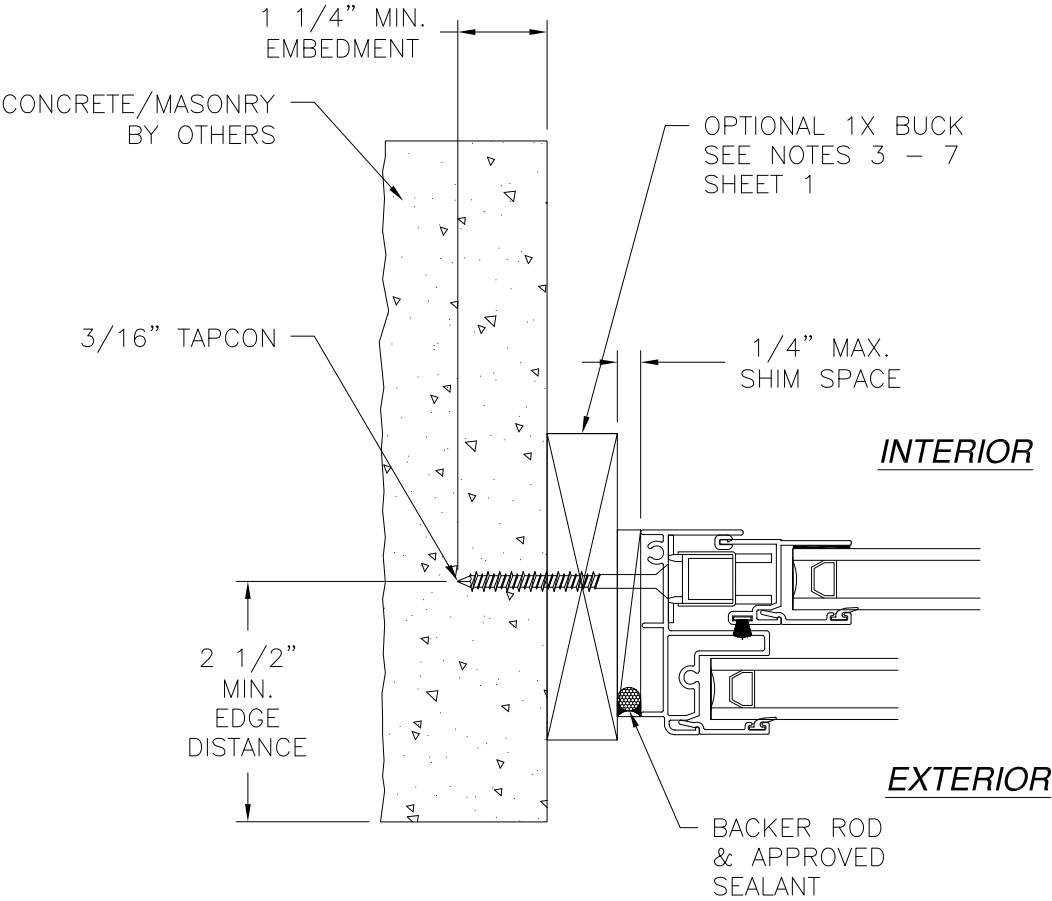


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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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FINLESS INSTALLATION DETAILS

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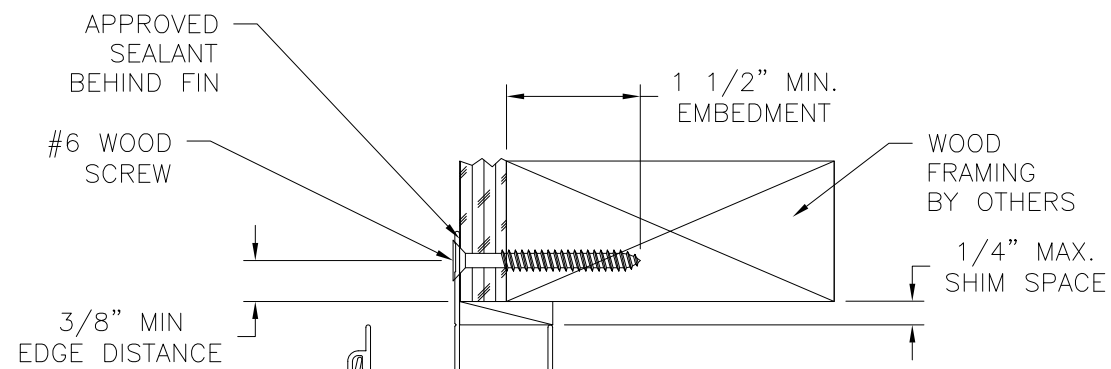
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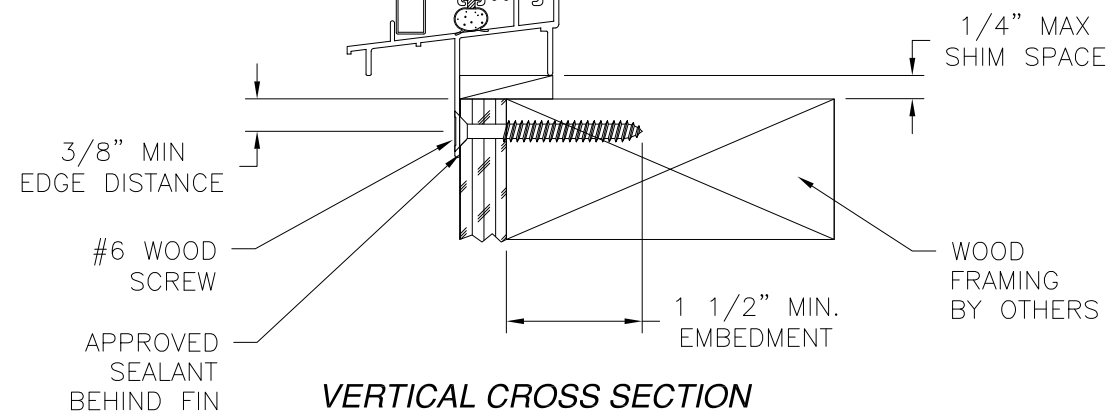


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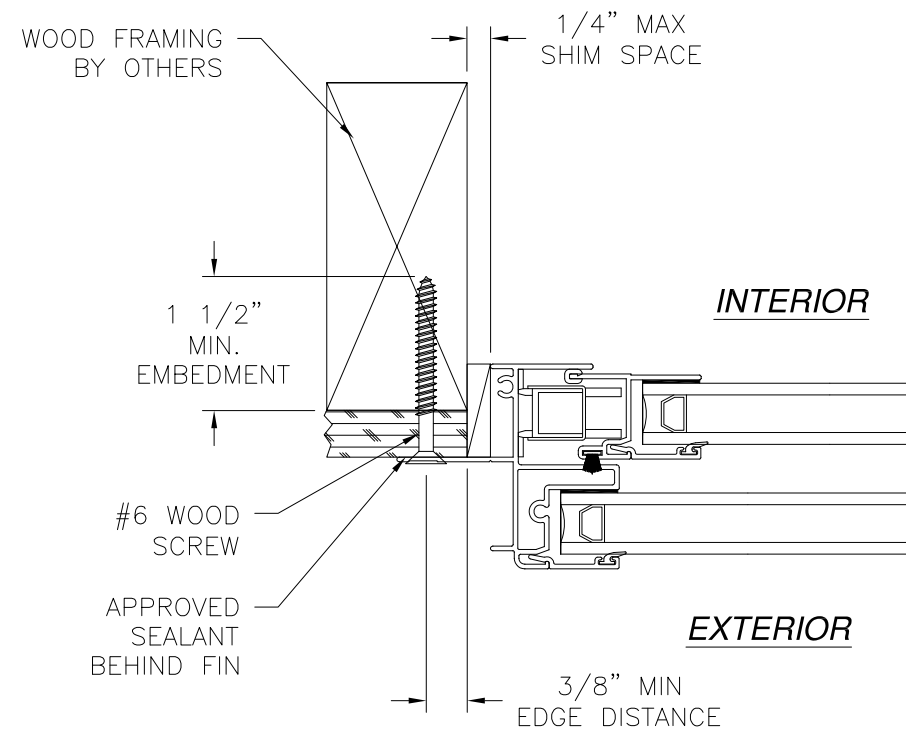


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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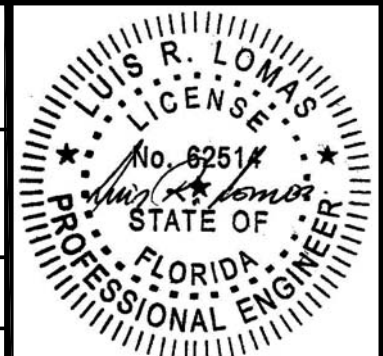
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