

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	05/12/15	R.L.
B	REMOVED MONOLITHIC GLASS	08/16/16	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. 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. 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: ALUMINUM 6063–T5.
12. UNITS MUST BE GLAZED PER ASTM E1300–04/09, SEE SHEET 3 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 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” ELCO ULTRACON 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 #10 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
20. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2 AND 3.

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MI WINDOWS AND DOORS, LLC

650 W. MARKET ST.
GRATZ, PA 17030

185 CHS TRIPLE ALUMINUM FIXED WINDOW
FLANGE, FINLESS & FIN FRAME – IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08–01614

REV
B

SCALE NTS

DATE 06/04/12

SHEET 1 OF 12

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@rlomaspe.com

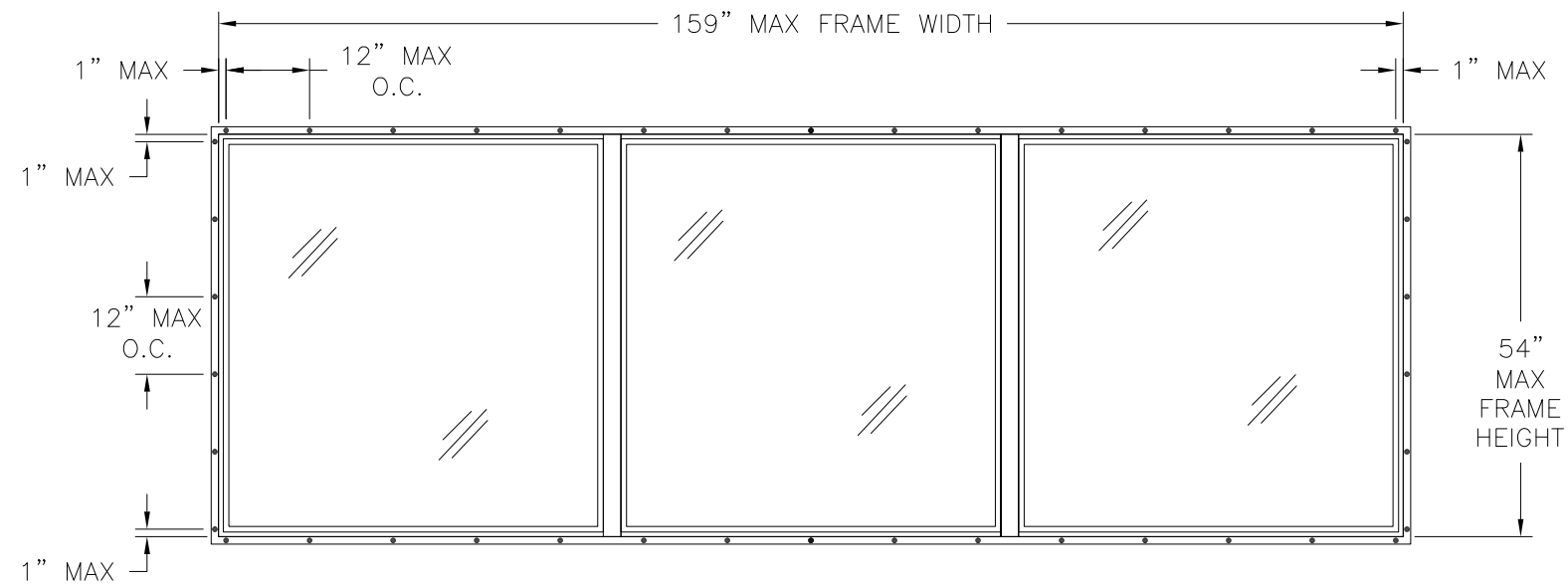
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FL No.: 62514

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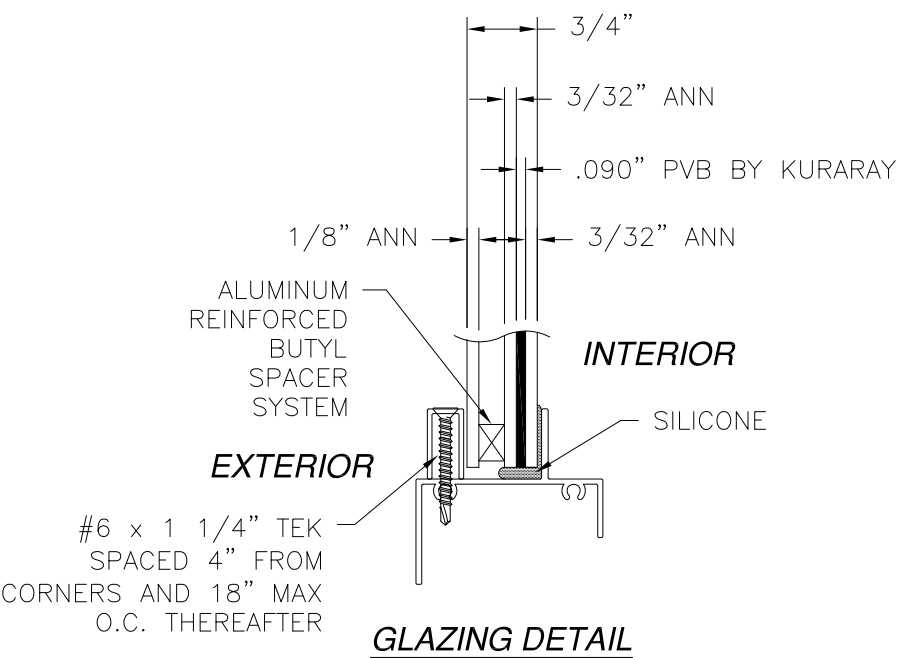
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185 CHS TRIPLE FIXED WINDOW FIN FRAME
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 55.0 PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 3



#6 x 1 1/4" TEK
SPACED 4" FROM
CORNERS AND 18" MAX
O.C. THEREAFTER

GLAZING DETAIL

NOTES:
1. MAXIMUM D.L.O.: 49 1/2" X 51 1/4"

MI WINDOWS AND DOORS, LLC
650 W. MARKET ST.
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185 CHS TRIPLE ALUMINUM FIXED WINDOW
FLANGE, FINLESS & FIN FRAME – IMPACT
FIN ELEVATION & GLAZING DETAIL

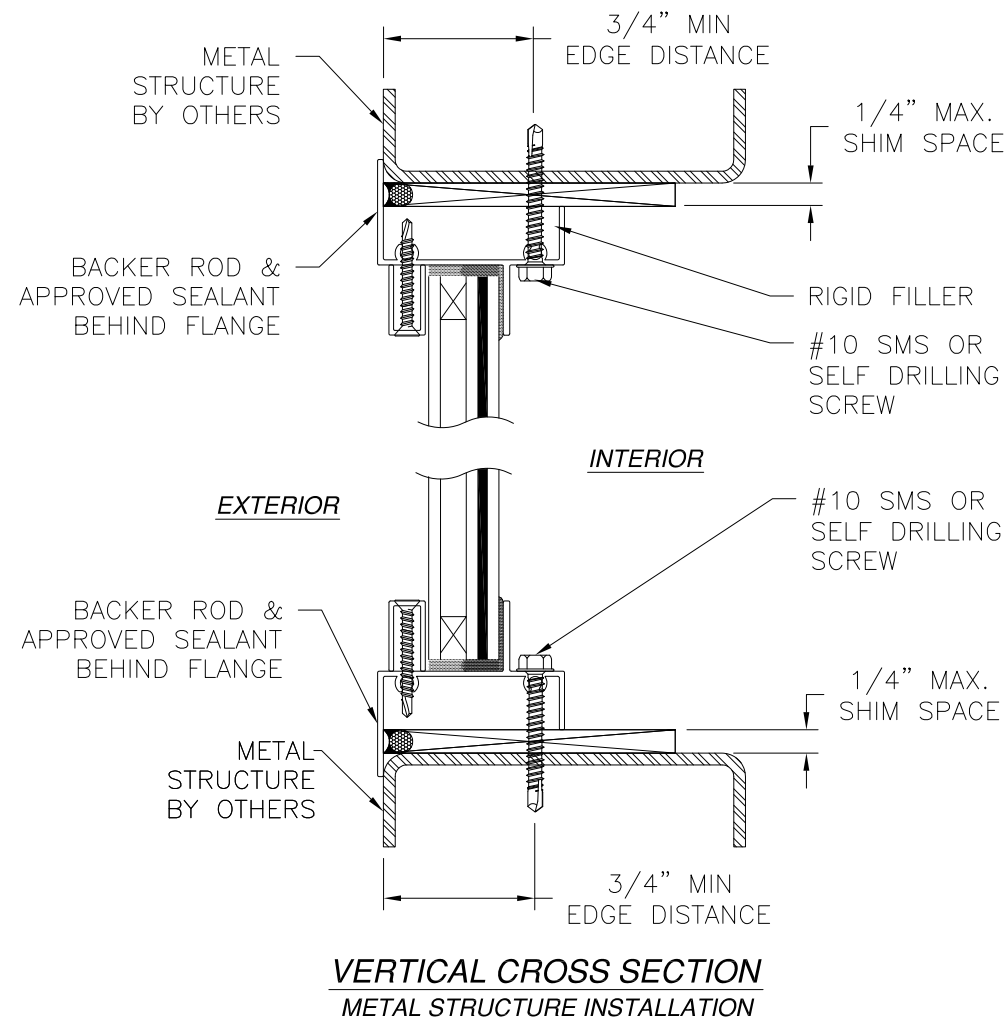
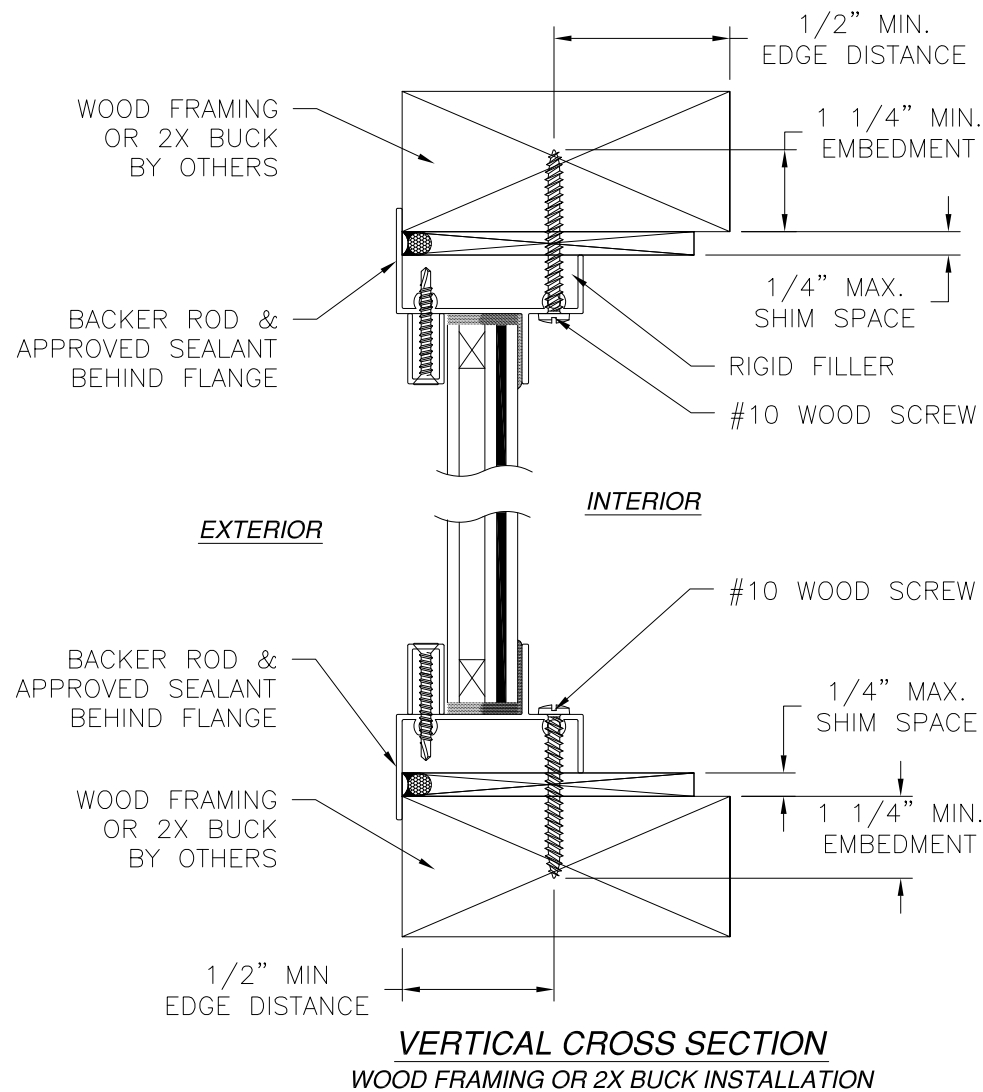
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434-688-0609 rllomas@lrlomaspe.com

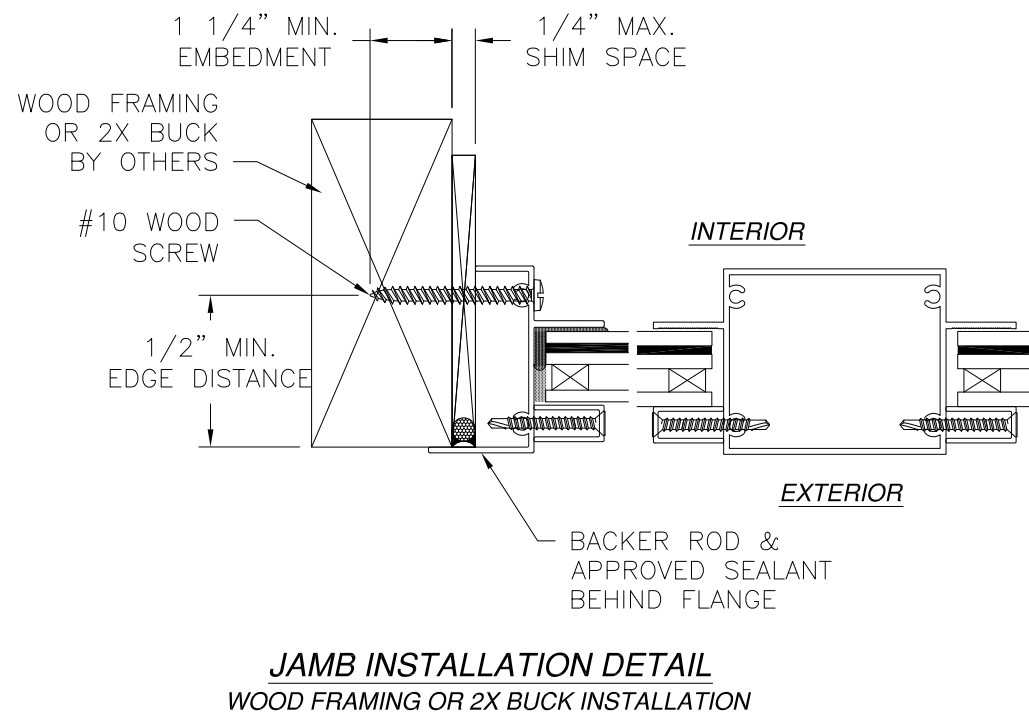
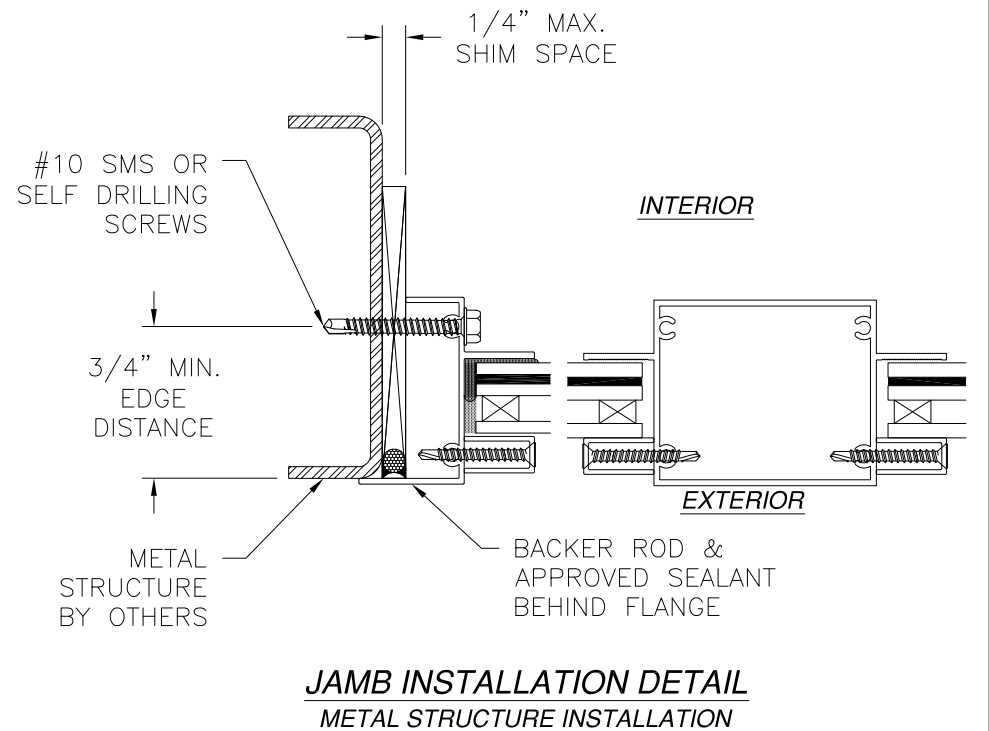
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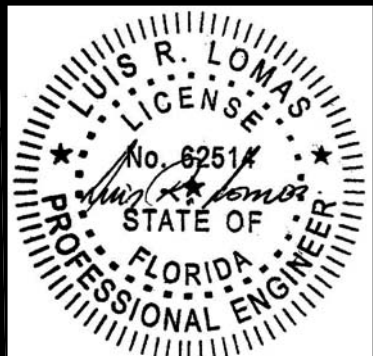
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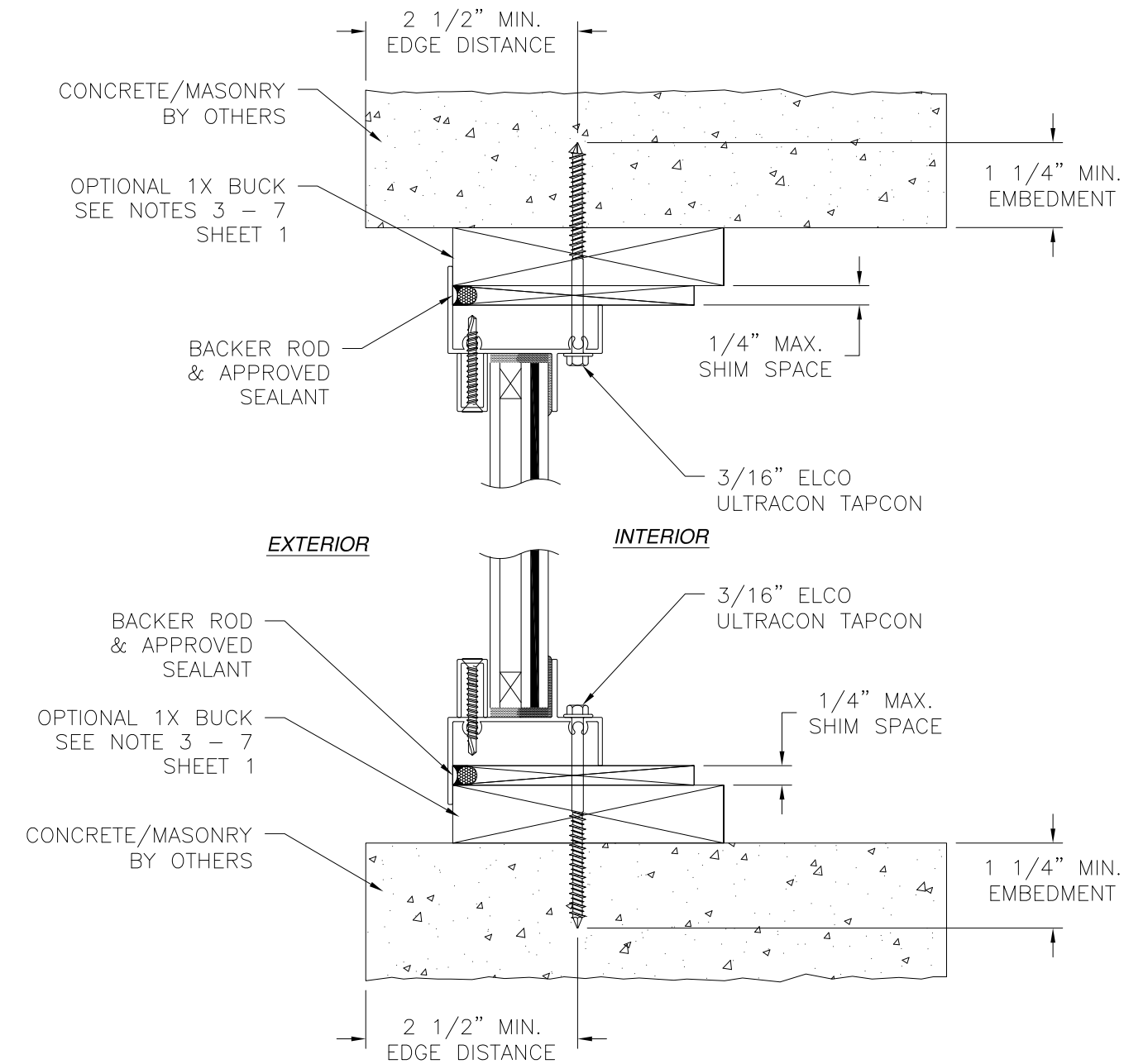
MI WINDOWS AND DOORS, LLC 650 W. MARKET ST. GRATZ, PA 17030		
185 CHS TRIPLE ALUMINUM FIXED WINDOW FLANGE, FINLESS & FIN FRAME – IMPACT FLANGE INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-01614	REV B
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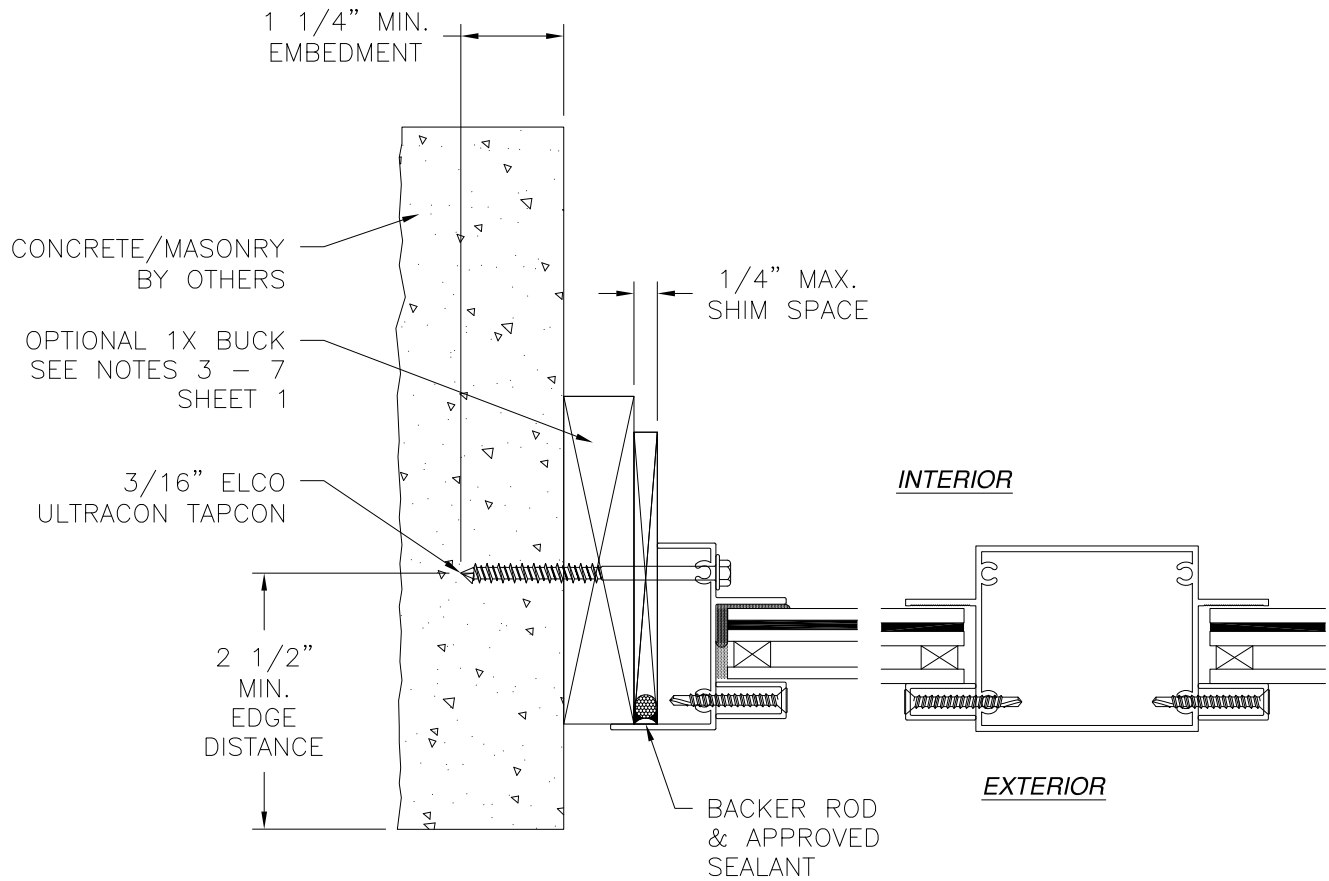
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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650 W. MARKET ST.
GRATZ, PA 17030

185 CHS TRIPLE ALUMINUM FIXED WINDOW FLANGE, FINLESS & FIN FRAME – IMPACT FLANGE INSTALLATION DETAILS

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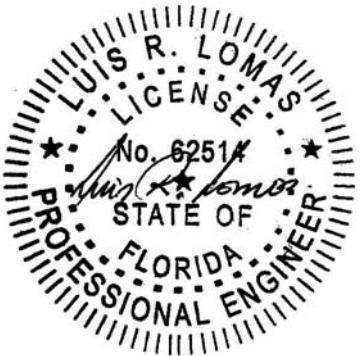
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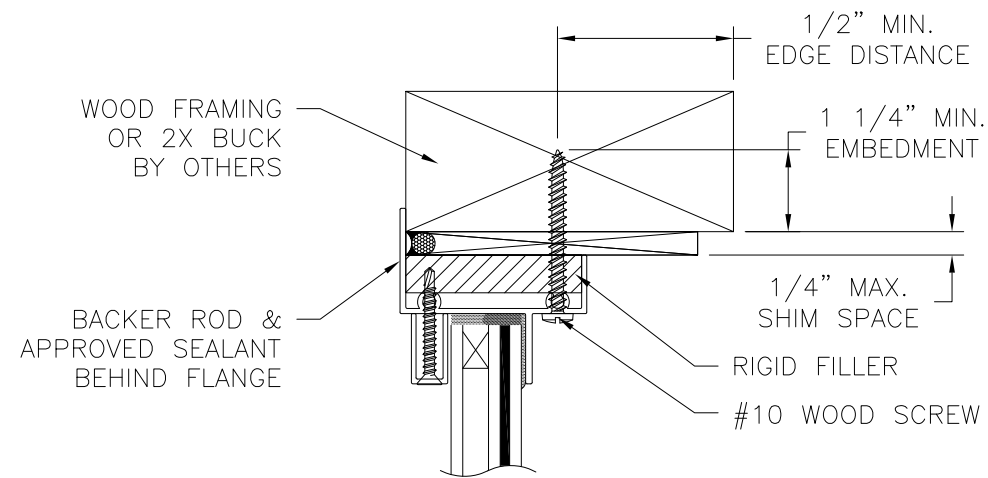
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1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

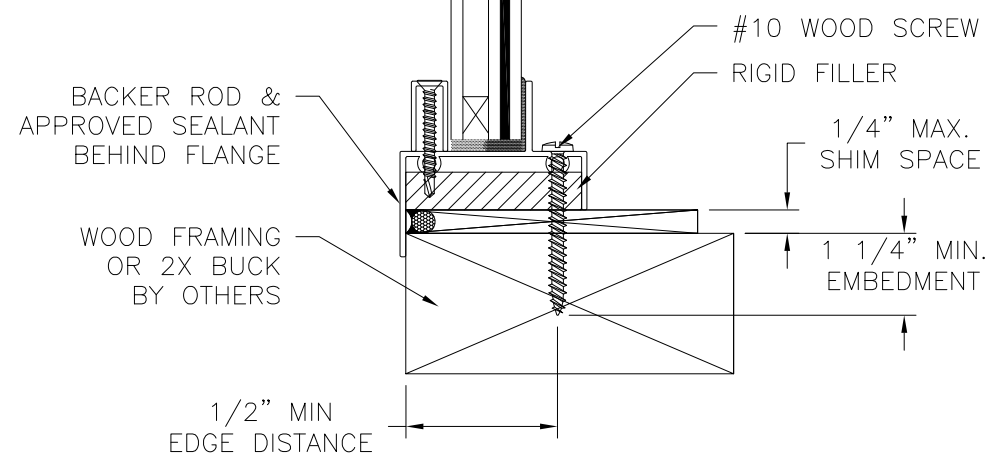


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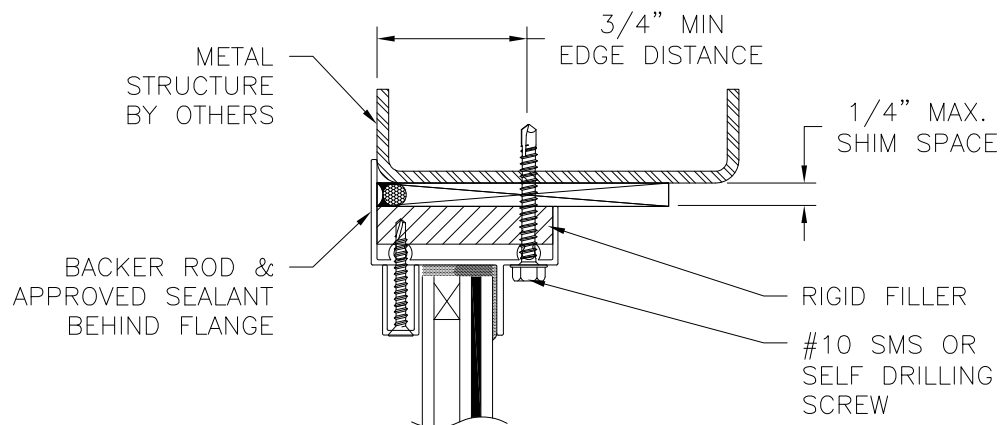


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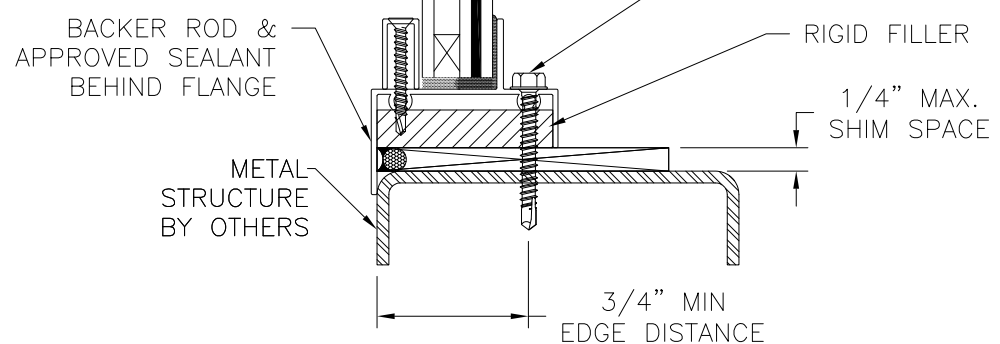


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



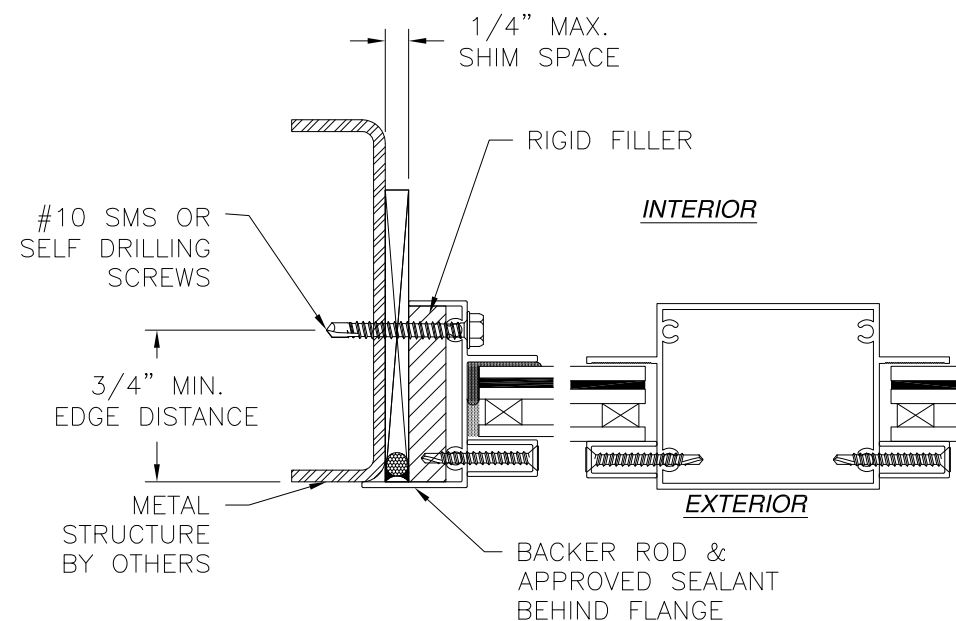
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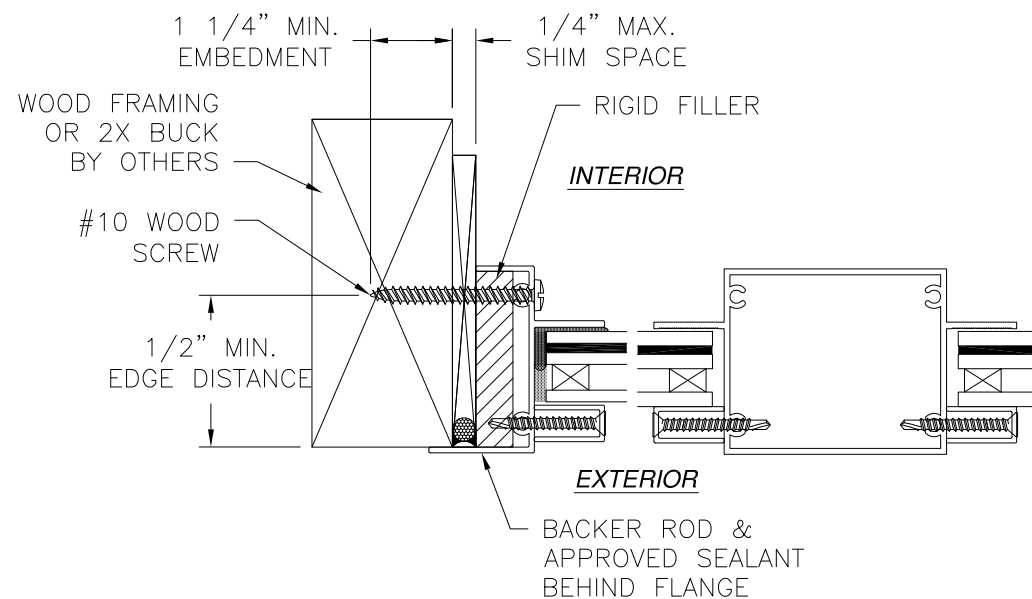


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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METAL STRUCTURE INSTALLATION



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WOOD FRAMING OR 2X BUCK INSTALLATION

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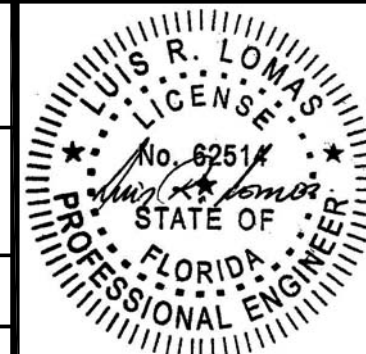
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185 CHS TRIPLE ALUMINUM FIXED WINDOW
FLANGE, FINLESS & FIN FRAME – IMPACT
FLANGE INSTALLATION DETAILS WITH RIGID FILLER

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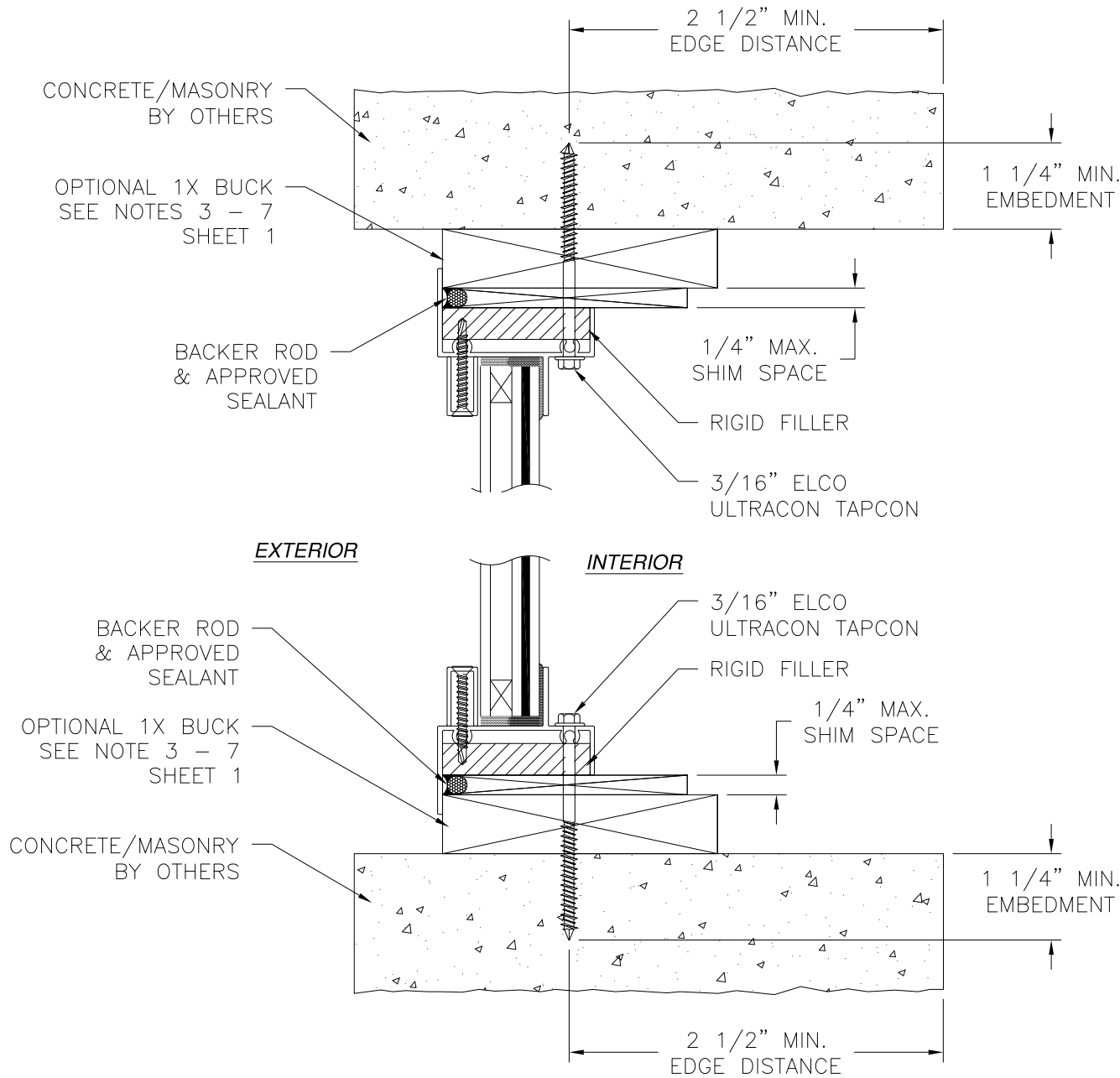
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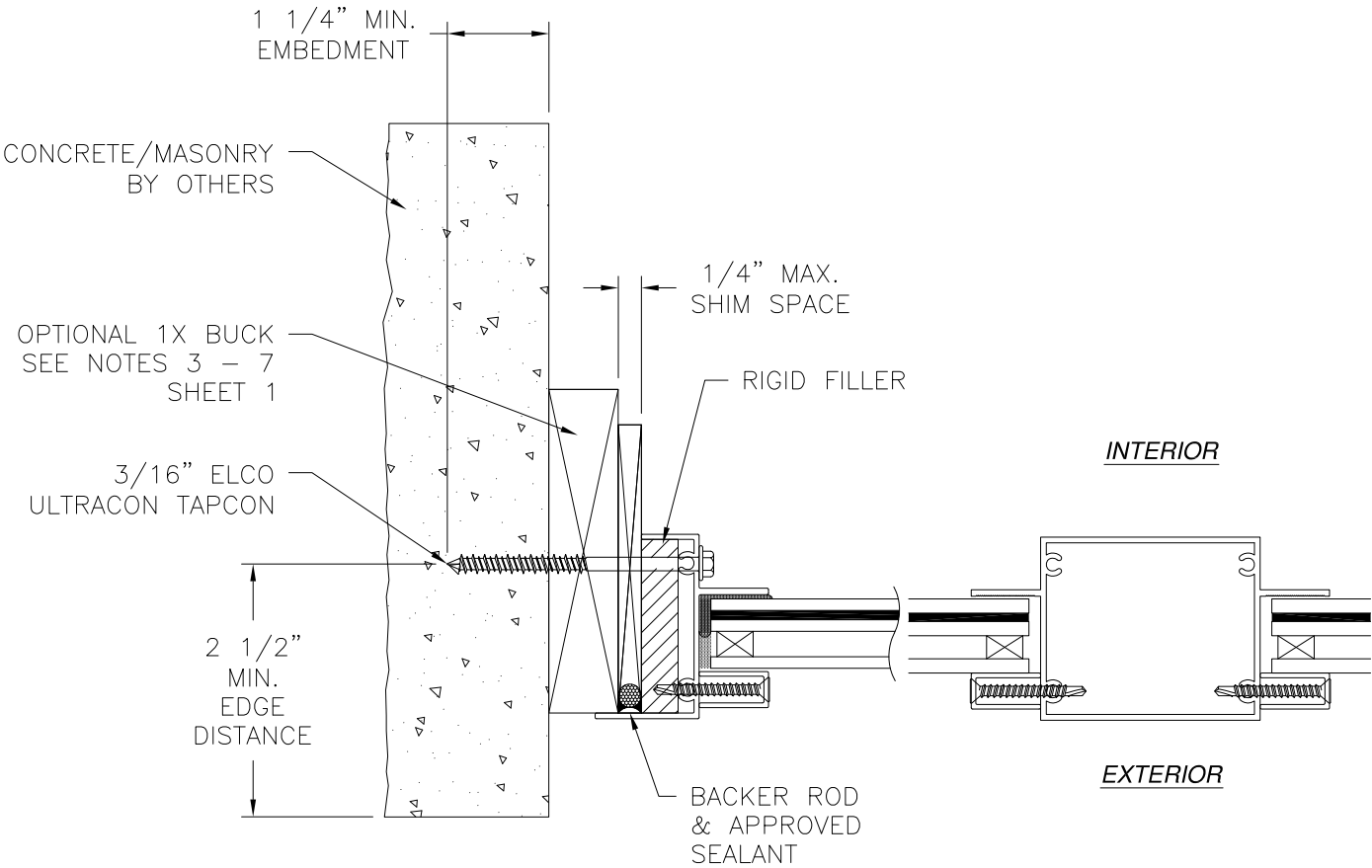
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FLANGE, FINLESS & FIN FRAME – IMPACT
FLANGE INSTALLATION DETAILS WITH RIGID FILLER

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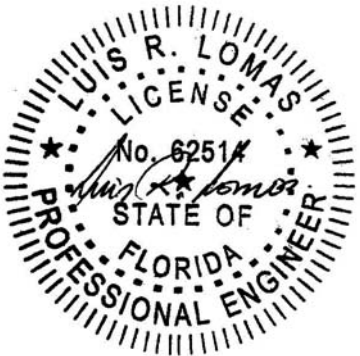
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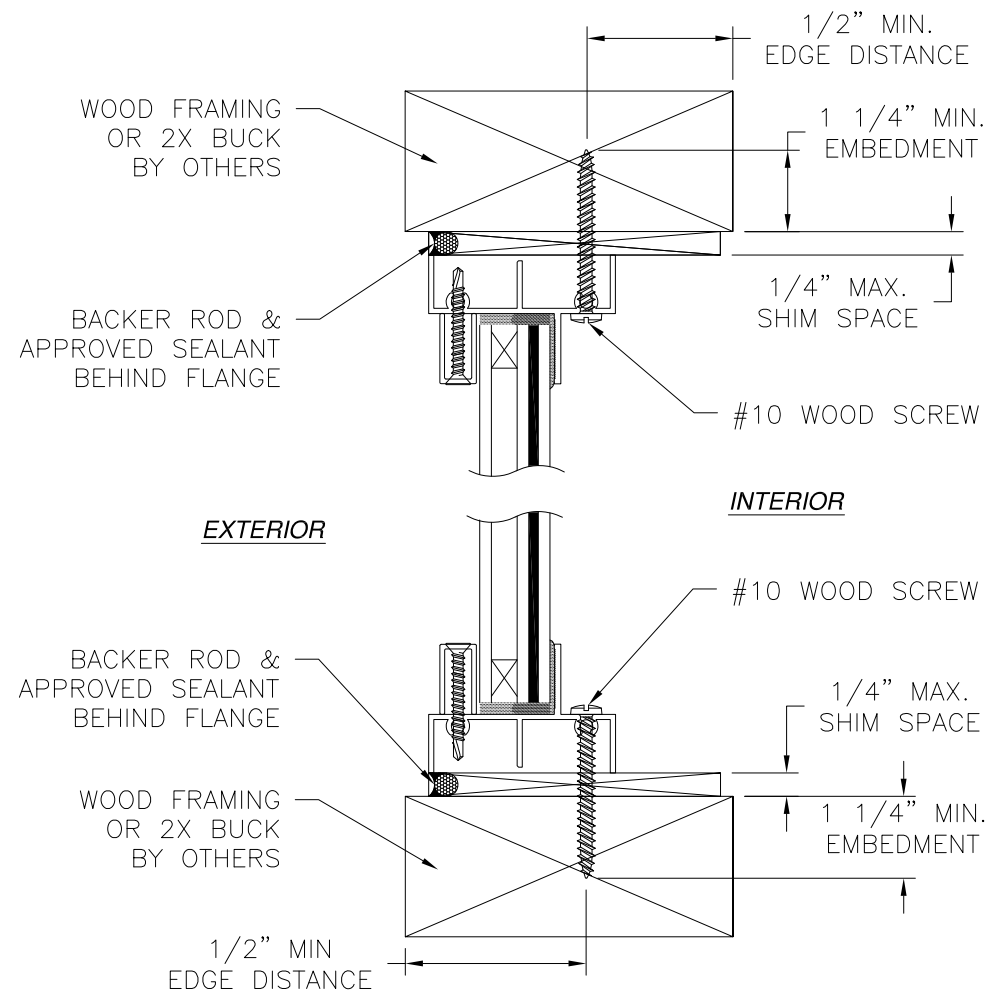
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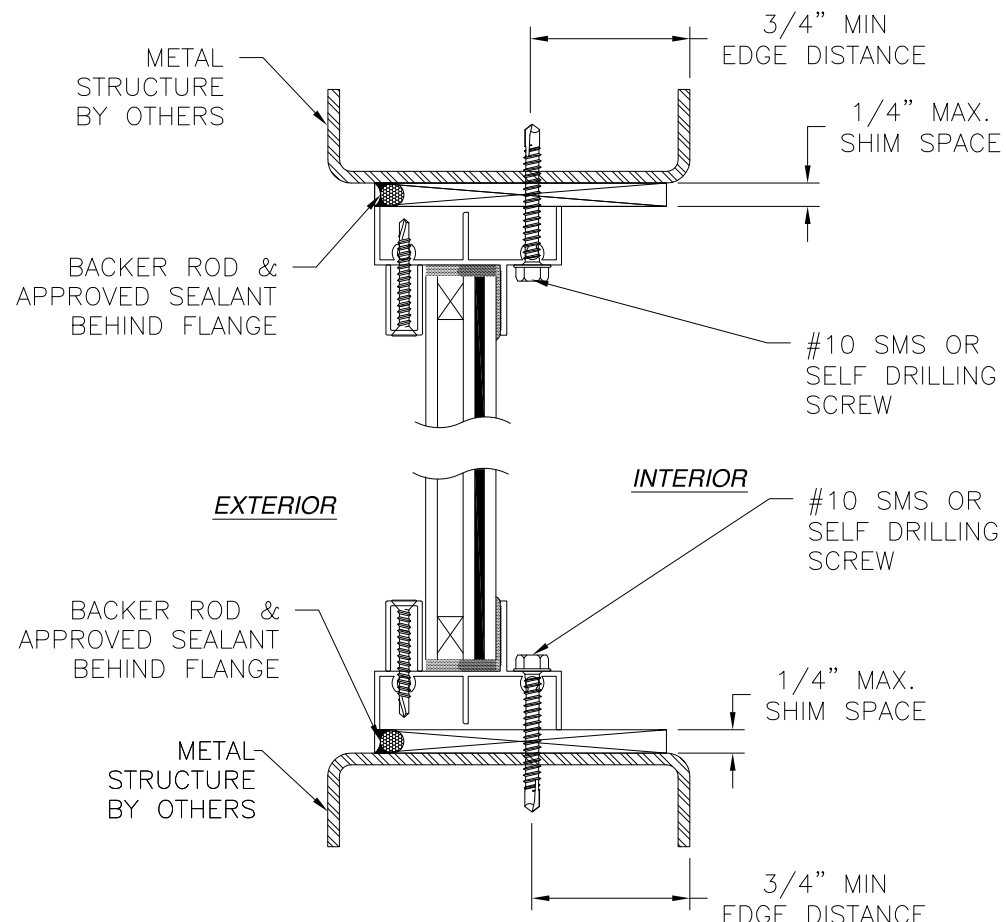
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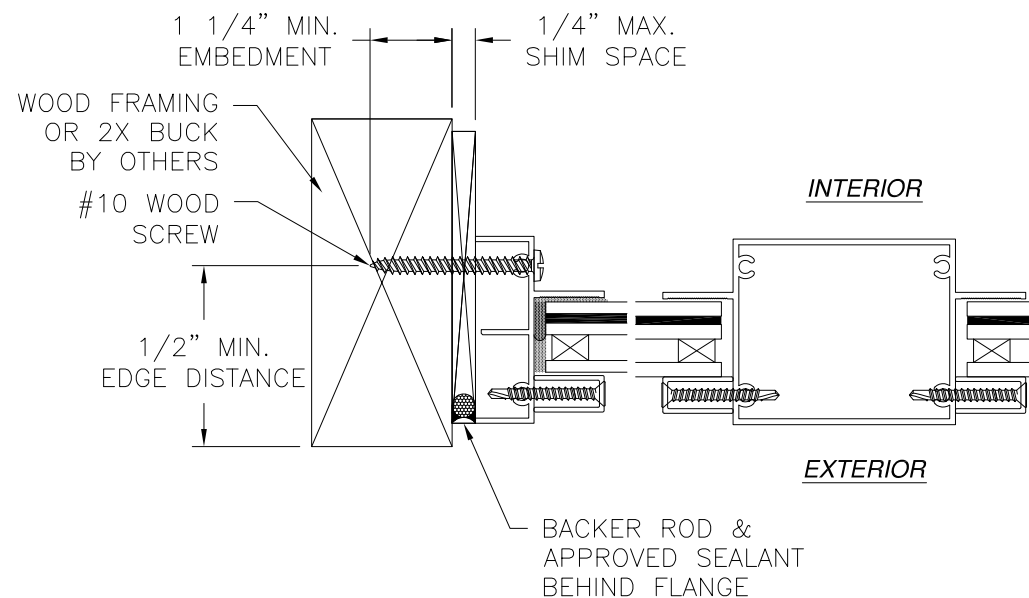
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WOOD FRAMING OR 2X BUCK INSTALLATION

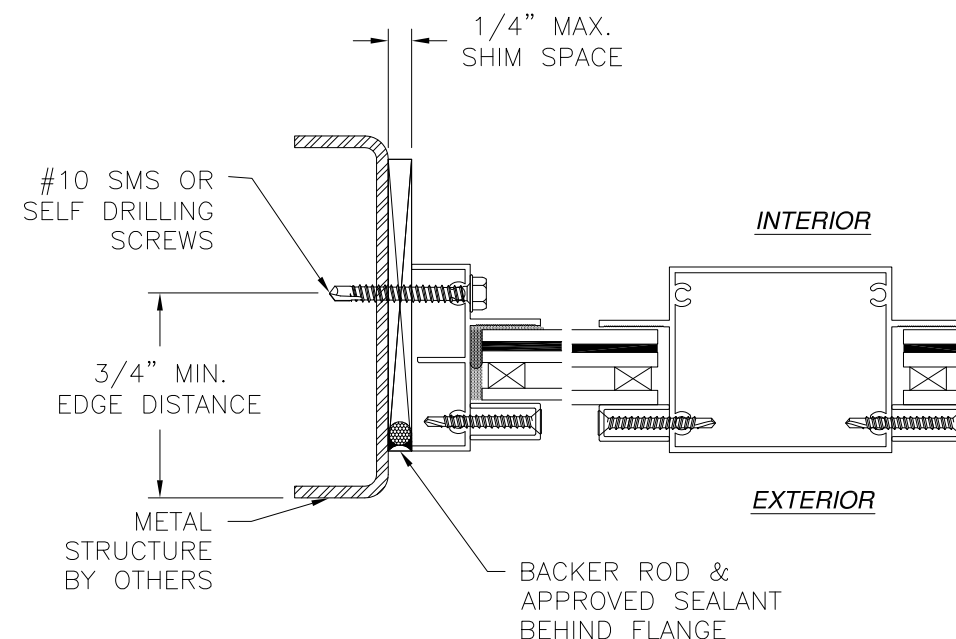


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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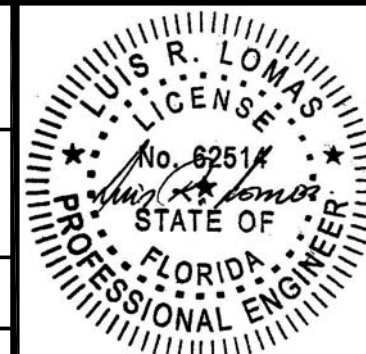
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185 CHS TRIPLE ALUMINUM FIXED WINDOW
FLANGE, FINLESS & FIN FRAME – IMPACT
FINLESS INSTALLATION DETAILS

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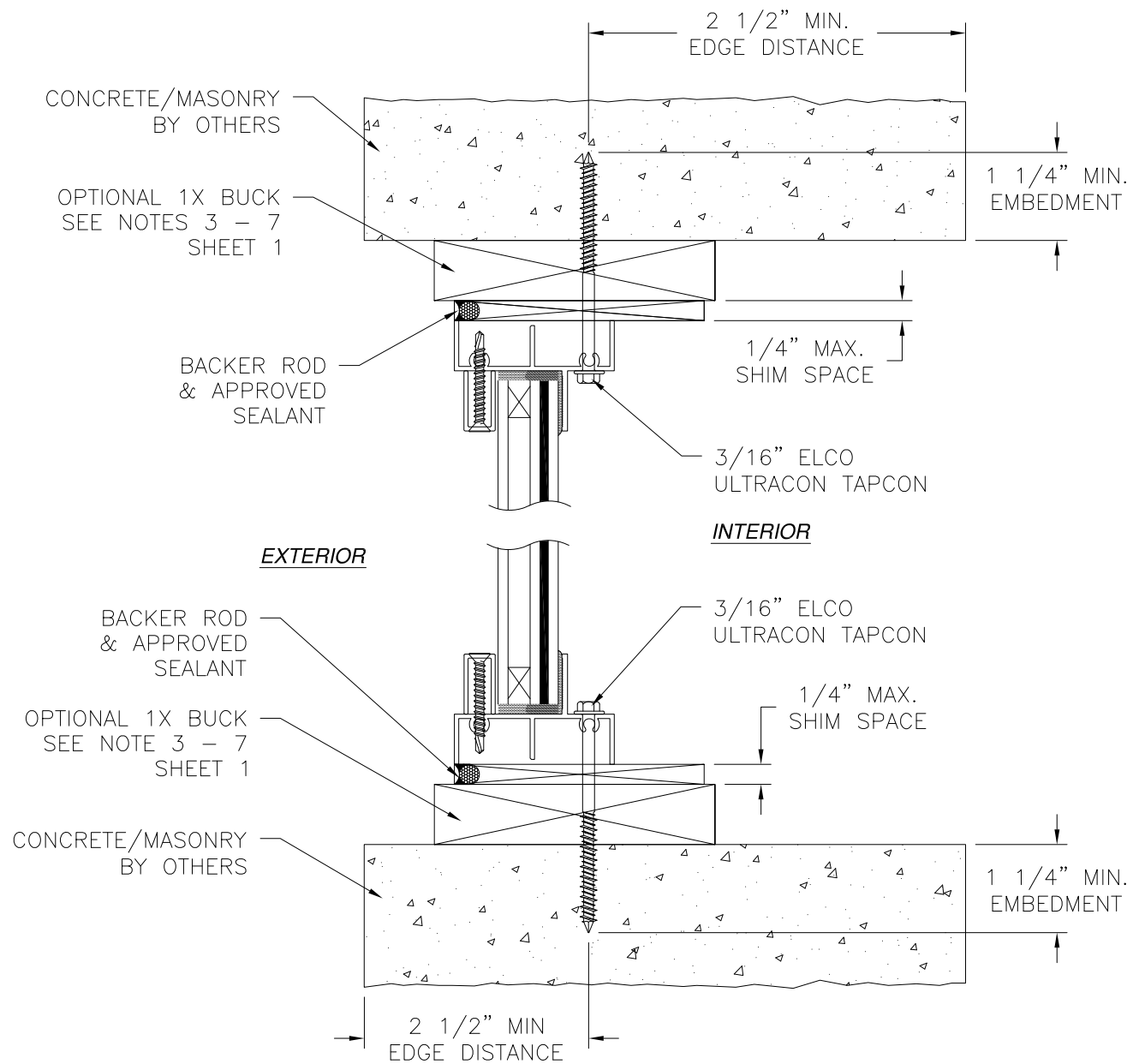
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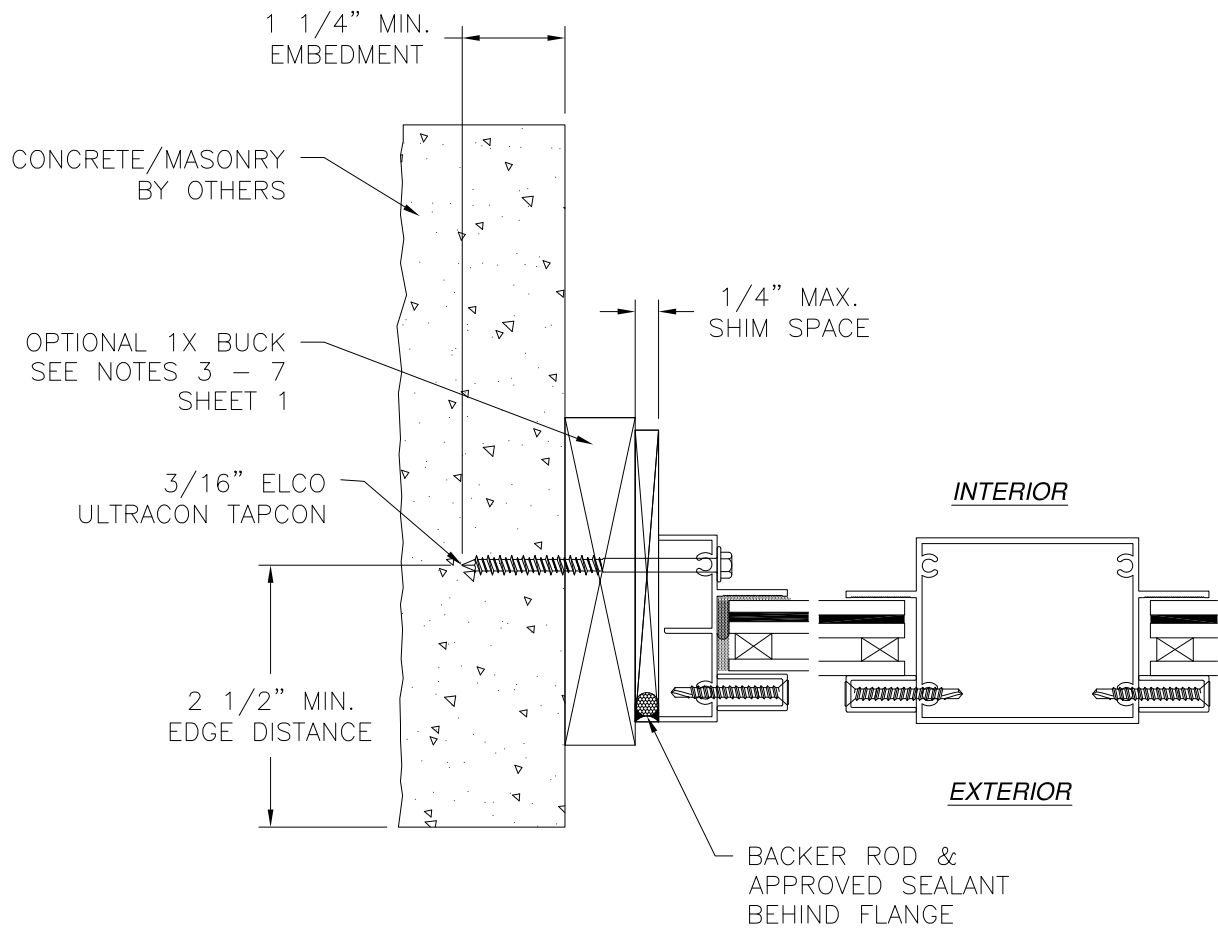
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

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FLANGE, FINLESS & FIN FRAME – IMPACT
FINLESS INSTALLATION DETAILS

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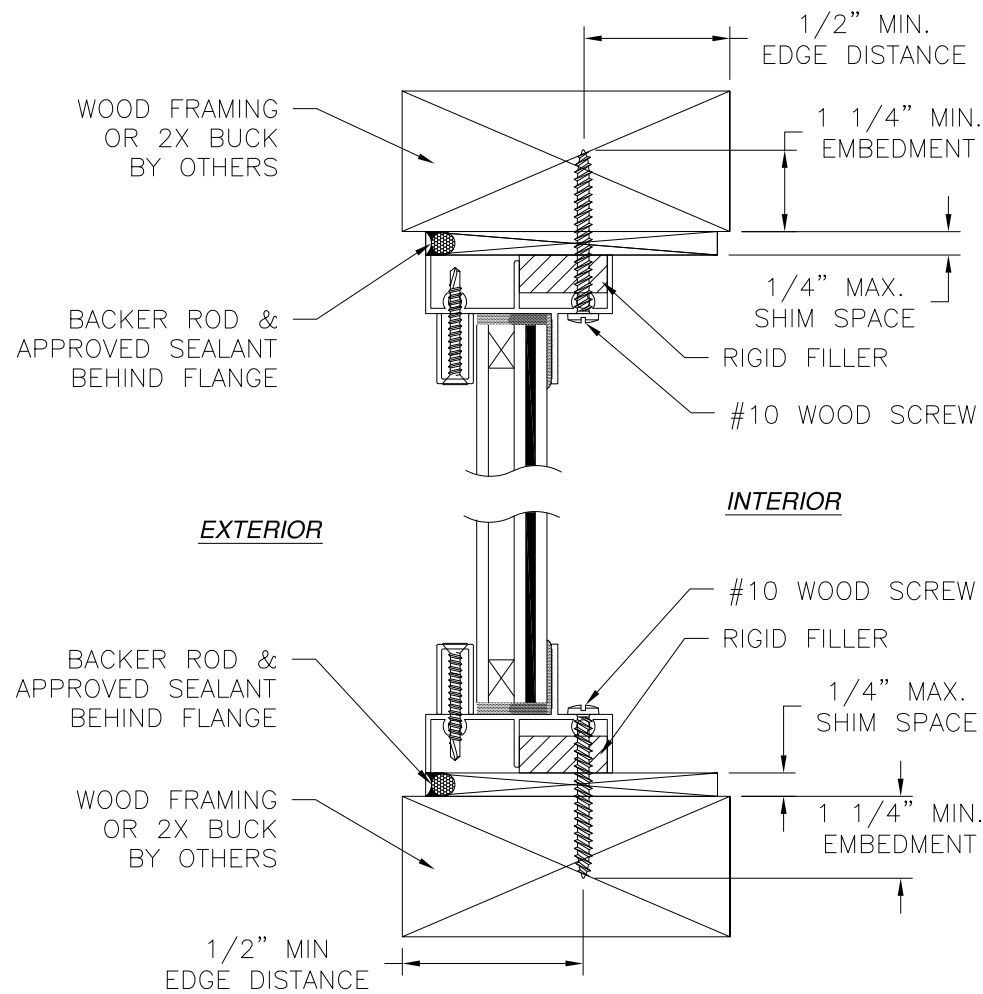
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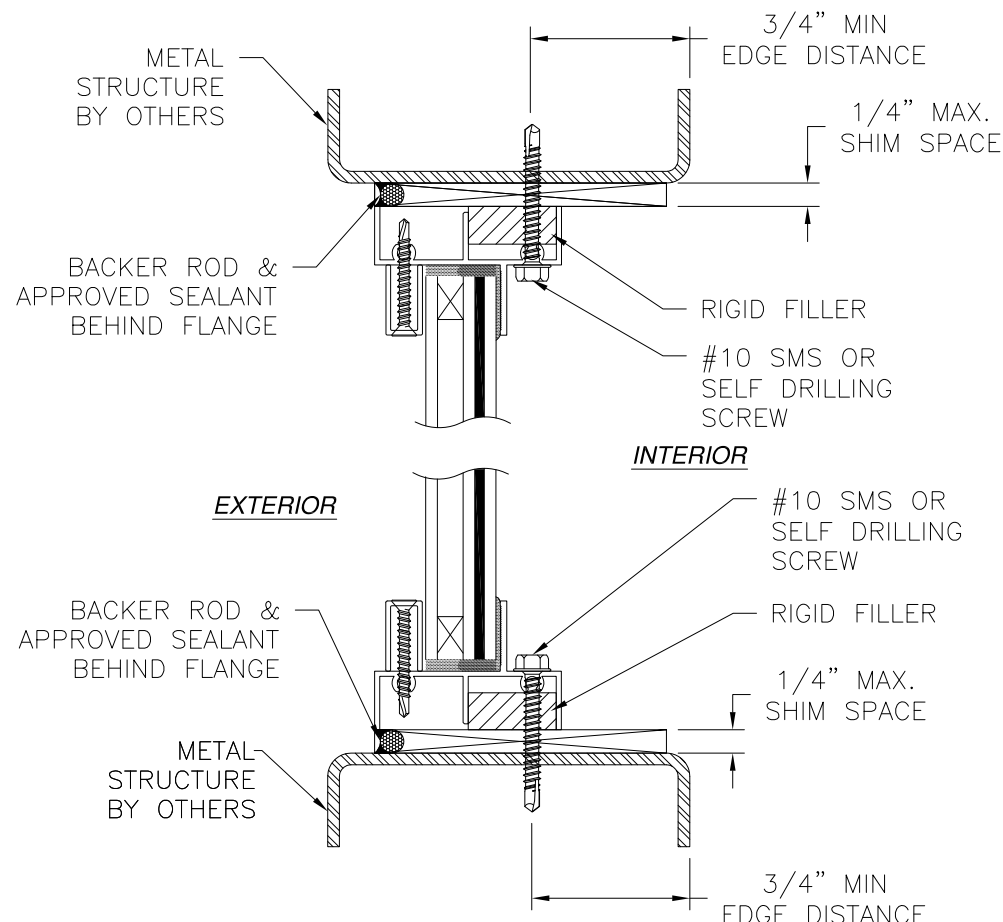
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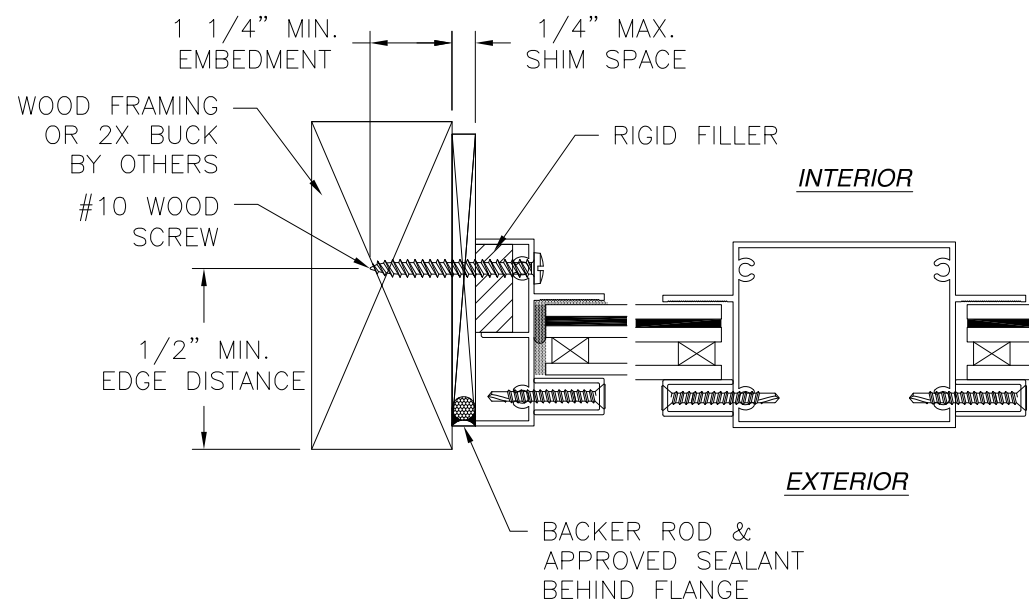
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WOOD FRAMING OR 2X BUCK INSTALLATION



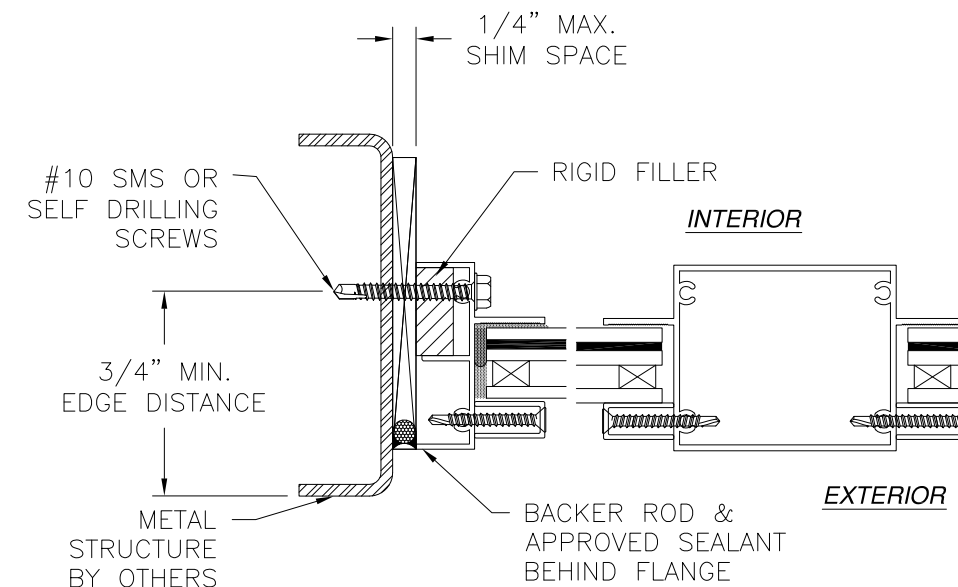
VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



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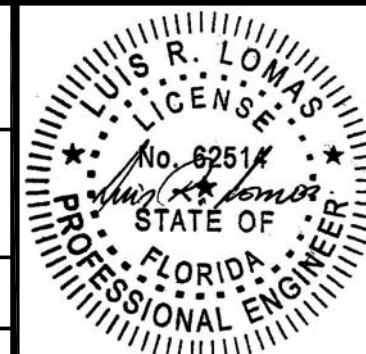
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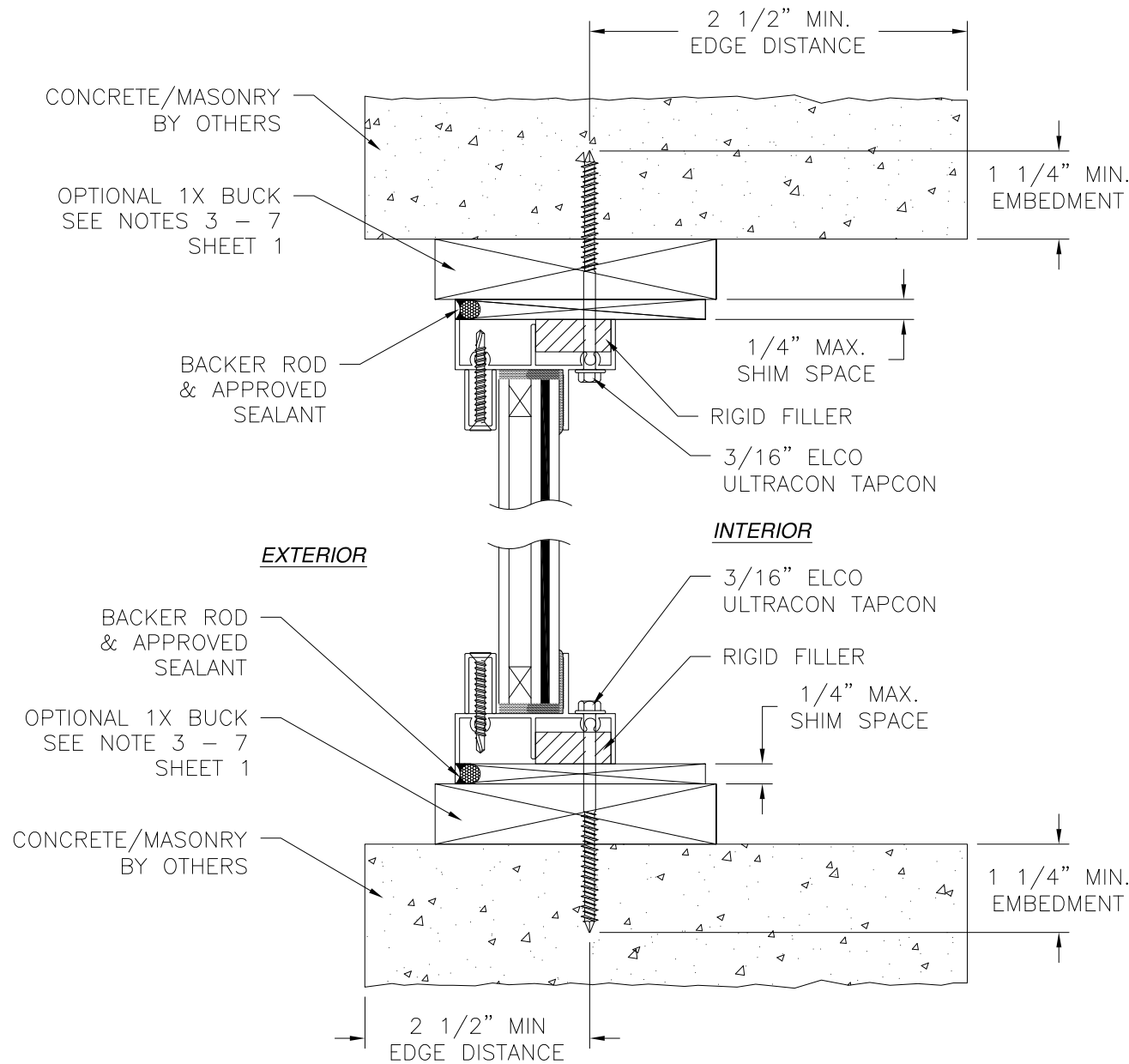
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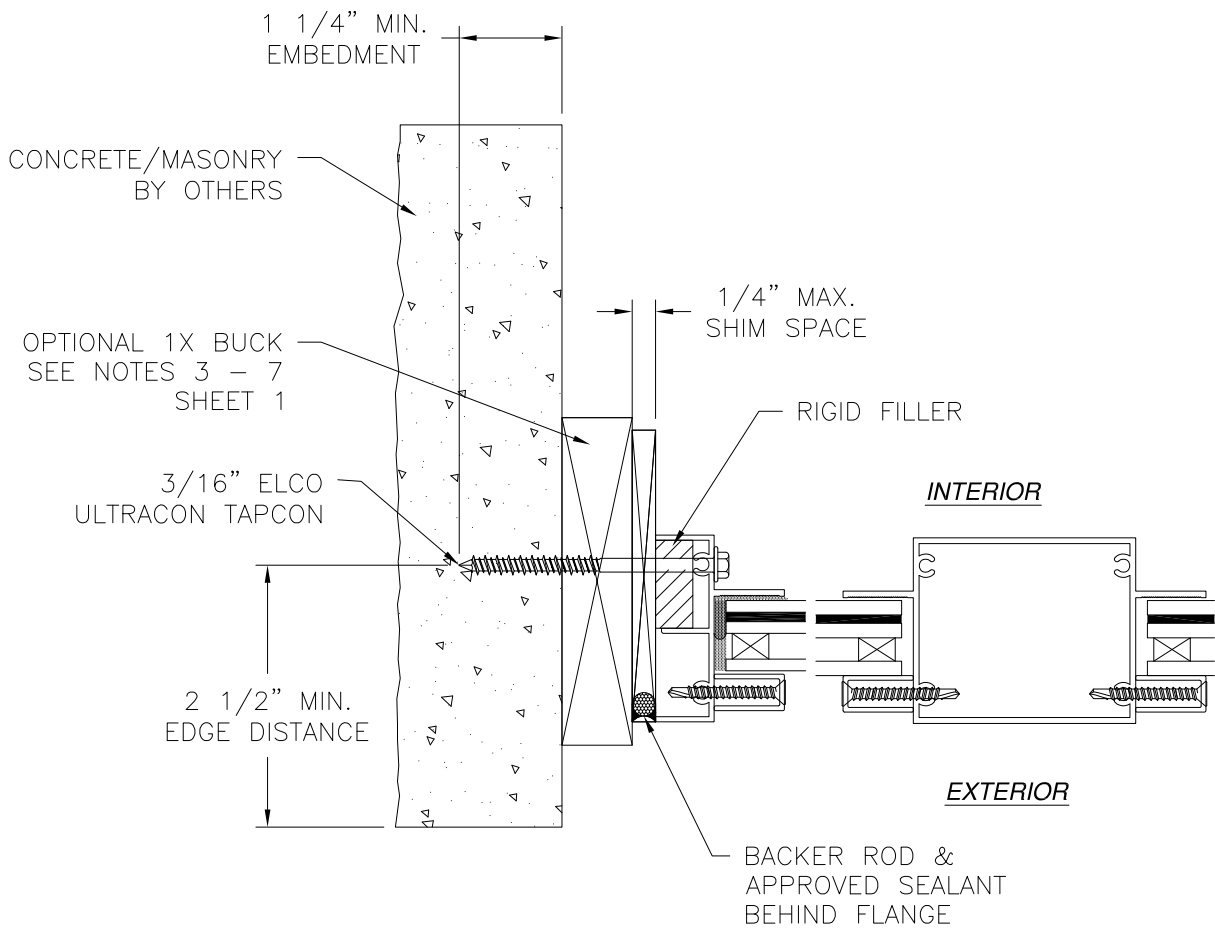


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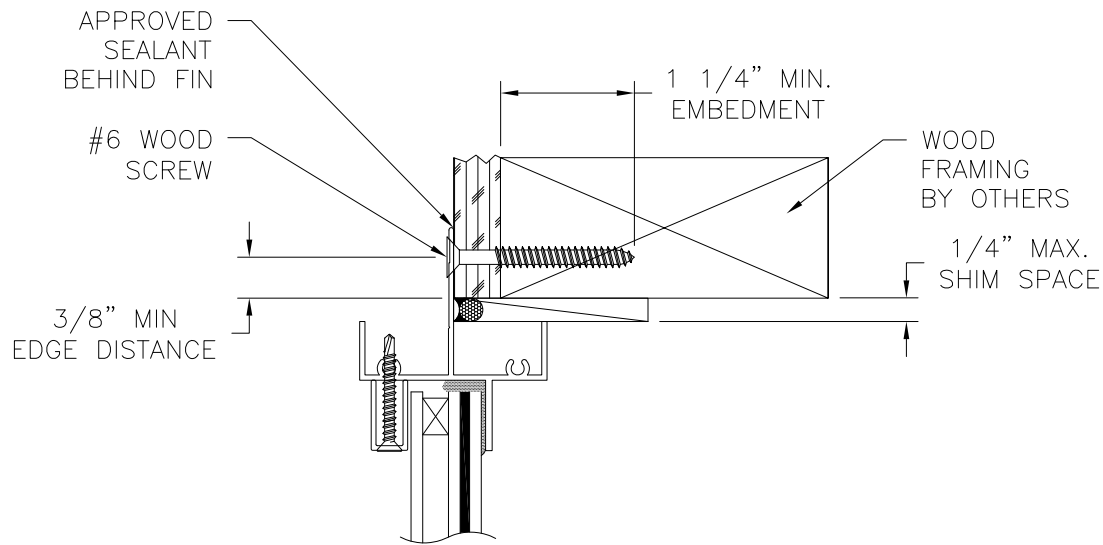
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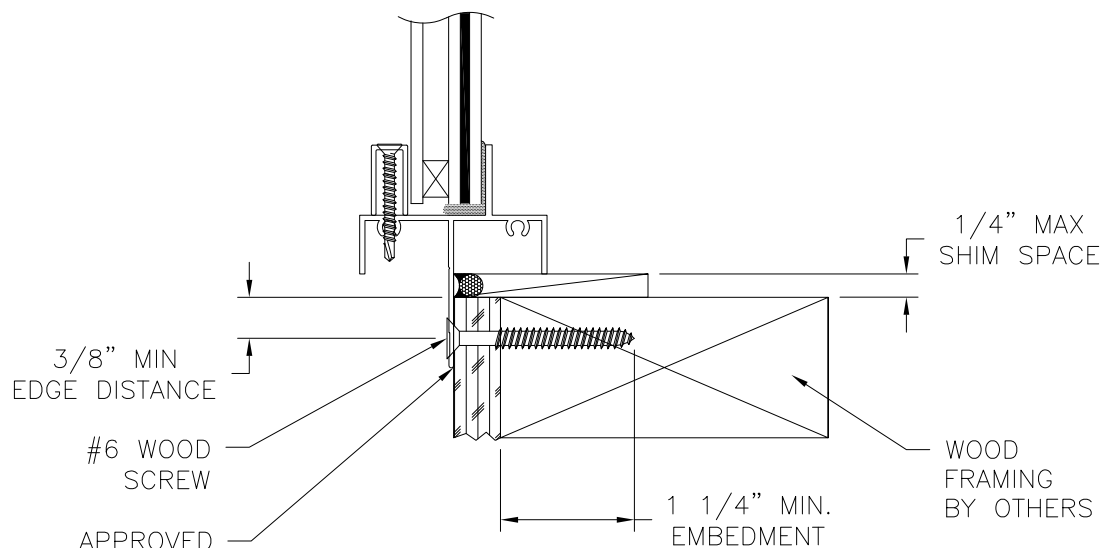


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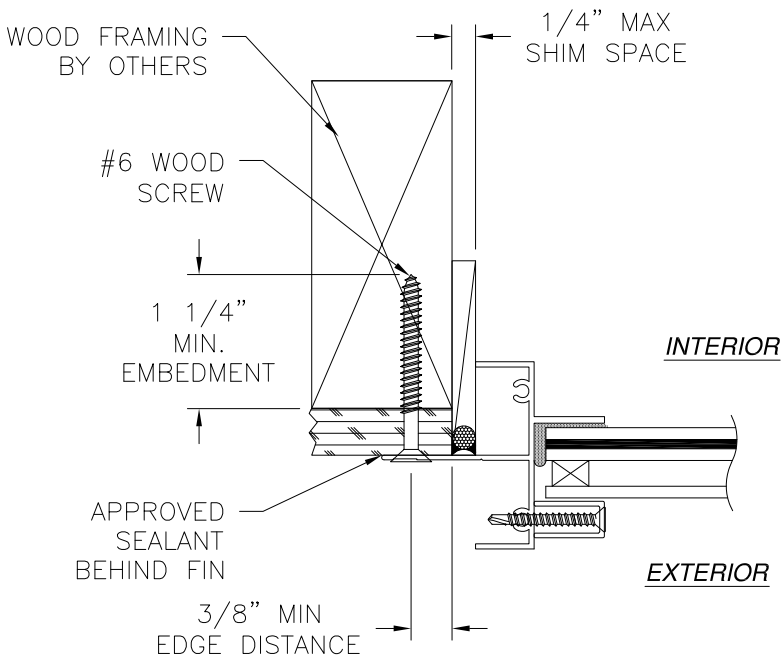
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	05/12/15	R.L.
B	REMOVED MONOLITHIC GLASS	08/16/16	R.L.



EXTERIOR INTERIOR



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

MI WINDOWS AND DOORS, LLC
650 W. MARKET ST.
GRATZ, PA 17030

185 CHS TRIPLE ALUMINUM FIXED WINDOW
FLANGE, FINLESS & FIN FRAME – IMPACT
FIN INSTALLATION DETAILS

DRAWN:
V.L.

DWG NO.
08-01614

REV
B

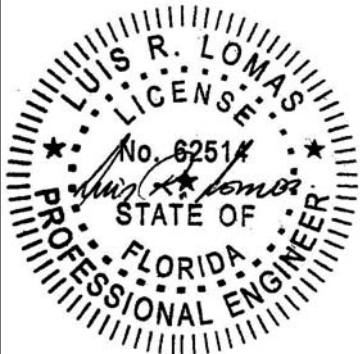
SCALE
NTS

DATE
06/04/12

SHEET
12 OF 12

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

SIGNED: 11/03/2016



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