

SERIES 3000 ALUMINUM FIXED WINDOW

HVHZ IMPACT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	ADDED GLASS D	11/03/23	R.L.
E	NEW TEST SIZE ADDED	06/19/24	LMH

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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" 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.
4. 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.
5. WHERE IX 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 WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. 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".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR $C_D=1.6$ WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAILS.

12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR ANCHORING FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 5/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING FRAME INTO METAL STRUCTURE USE 1/4" 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE I (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .125" THICK MINIMUM
18. WINDOW MAY BE INSTALLED HORIZONTALLY OR VERTICALLY.
19. DESIGNATION "0" IS FOR FIXED PANEL.

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Eastern
ARCHITECTURAL SYSTEMS
ALUMINUM AND VINYL
IMPACT WINDOWS AND DOORS

EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
CORNERSTONE BUILDING BRAND
16341 DOMESTIC AVE
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SERIES 3000 ALUMINUM FIXED WINDOW
IMPACT HVHZ PVB
NOTES
FL 17162

DRAWN:
J.L.

DWG NO.
08-02310E

REV
E

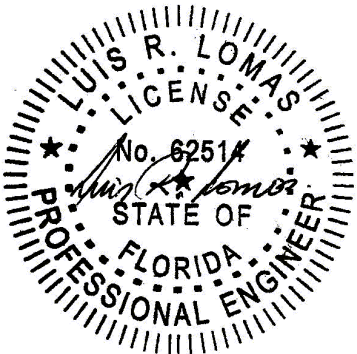
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DATE 07/24/14

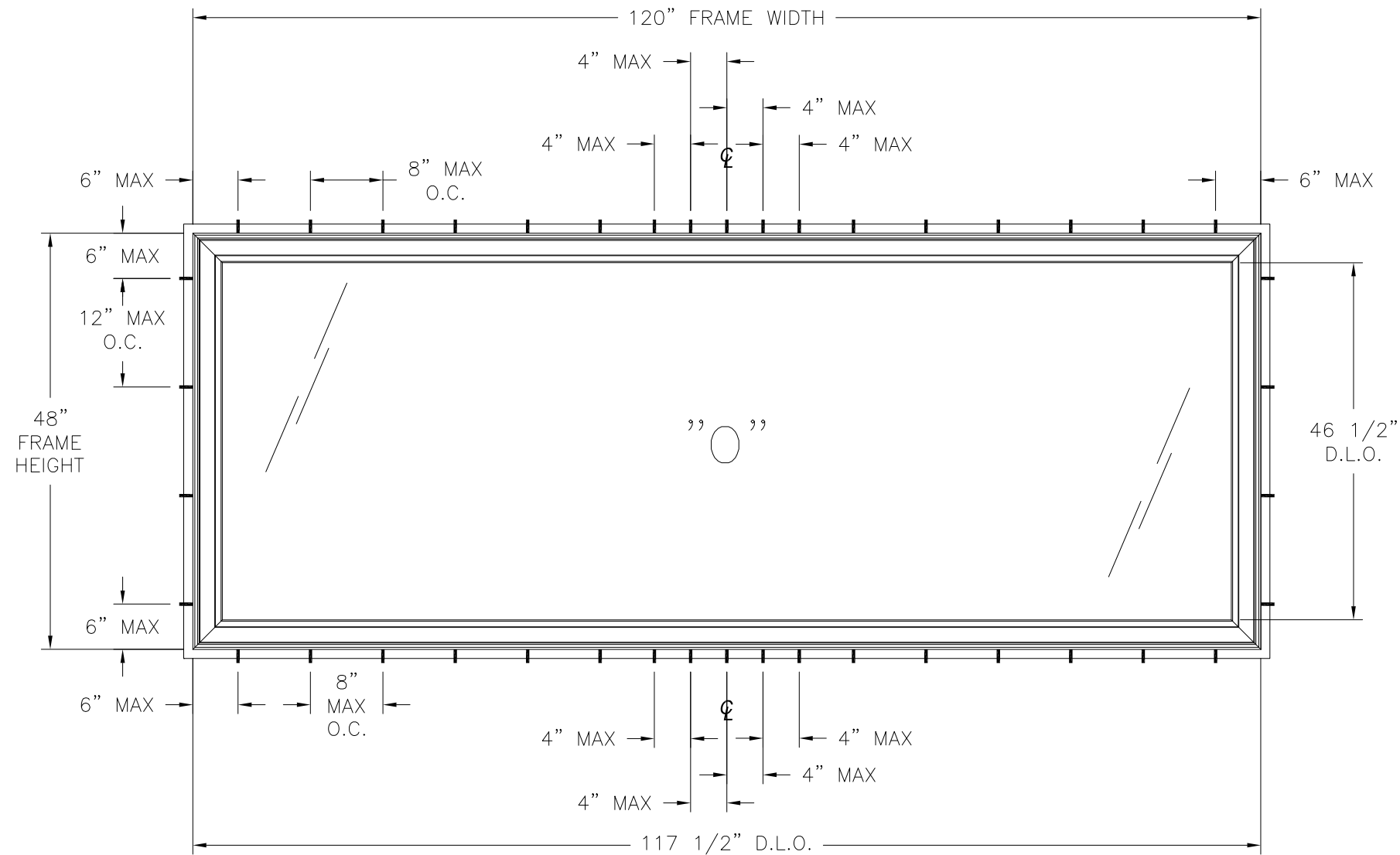
SHEET 1 OF 8

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SIGNED: 07/11/2024



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SERIES 3000 PW FIXED WINDOW
EXTERIOR VIEW

WITH GLASS A, B or C

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 70.0\text{PSF}$	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

WITH GLASS D, E or F

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 48.0\text{PSF}$	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

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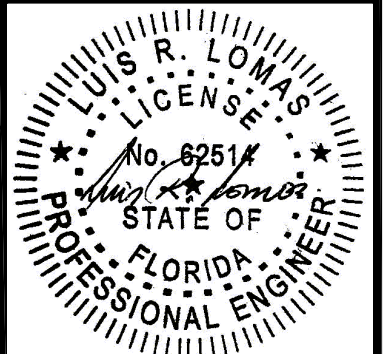
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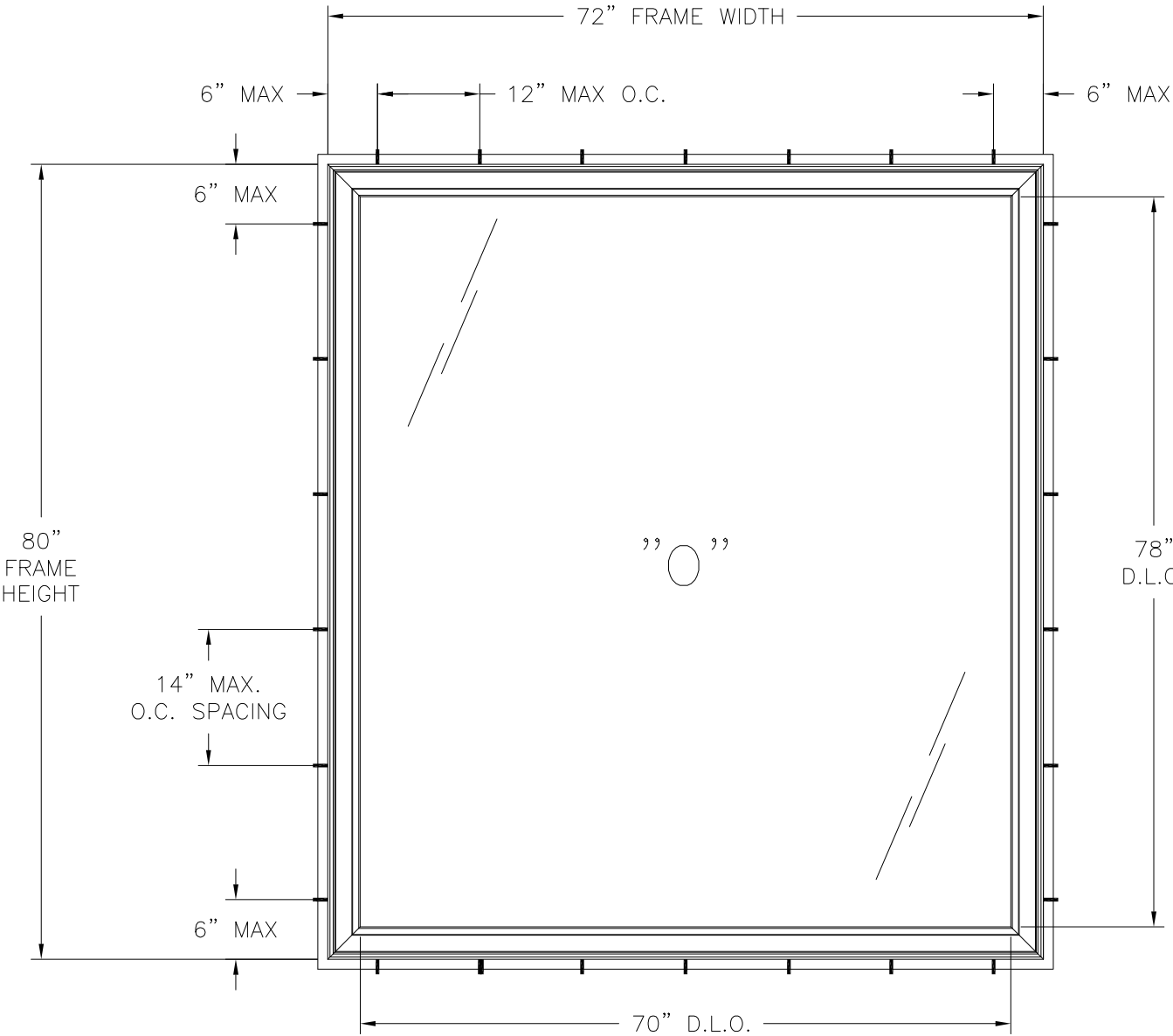
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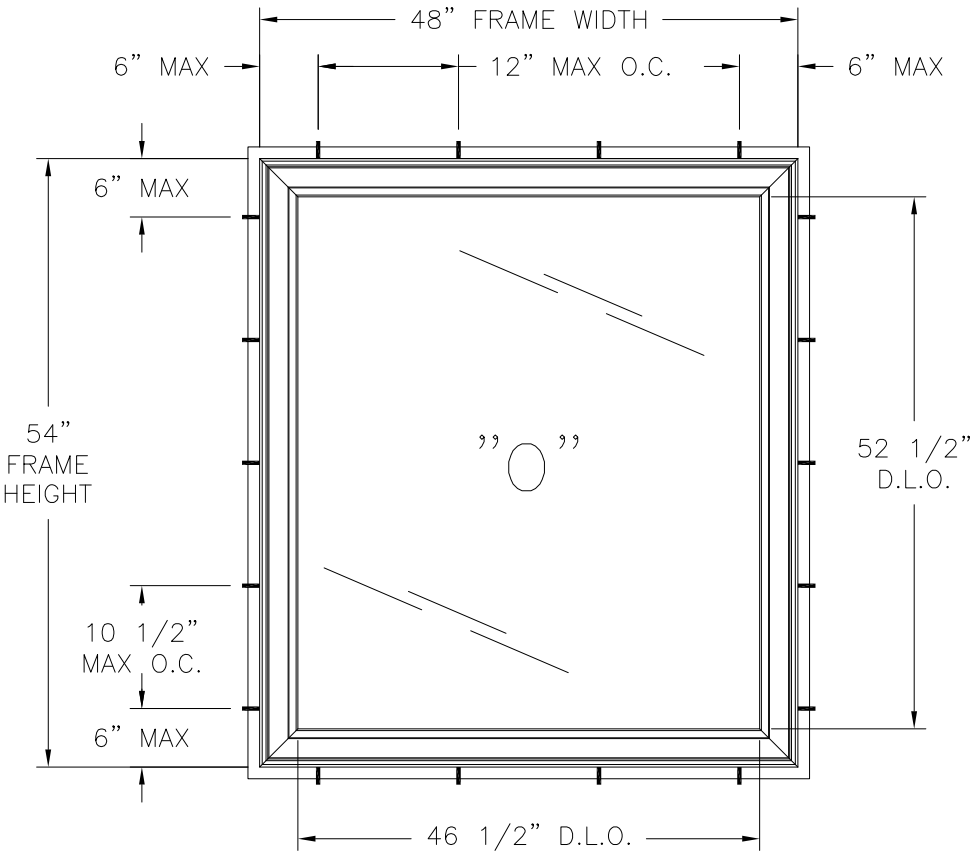
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SERIES 3000 PW FIXED WINDOW
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DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

WITH GLASS D, E or F	
DESIGN PRESSURE RATING	IMPACT RATING
±48.0PSF	LARGE MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	



SERIES 3000 PW FIXED WINDOW
EXTERIOR VIEW

WITH GLASS A, B or C	
DESIGN PRESSURE RATING	IMPACT RATING
+85.0/-90.0PSF	LARGE MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

WITH GLASS D, E or F	
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ	

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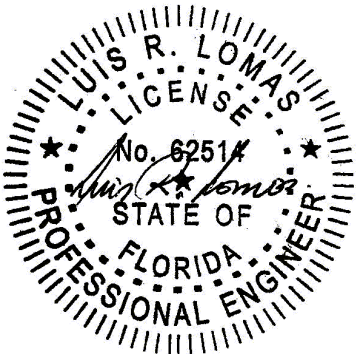
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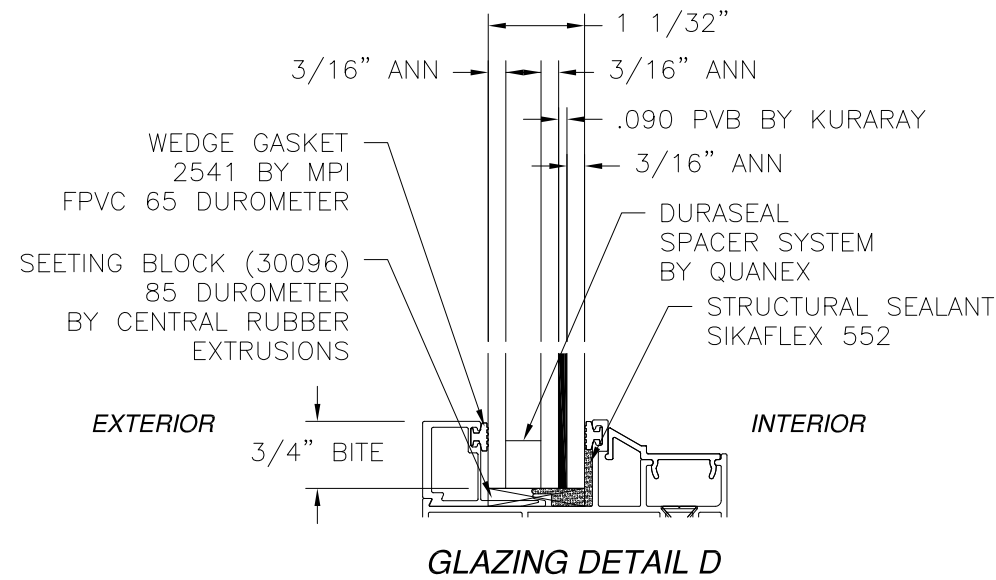
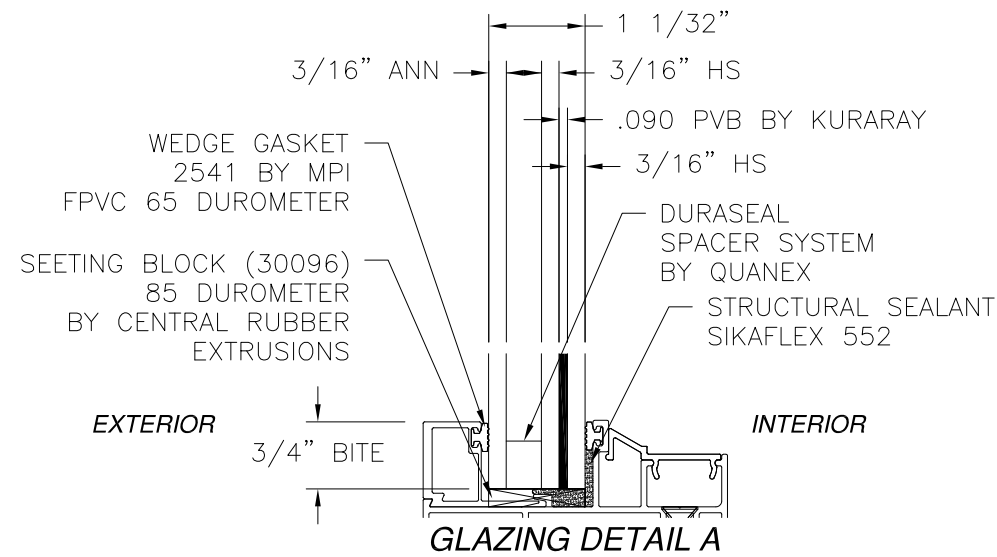
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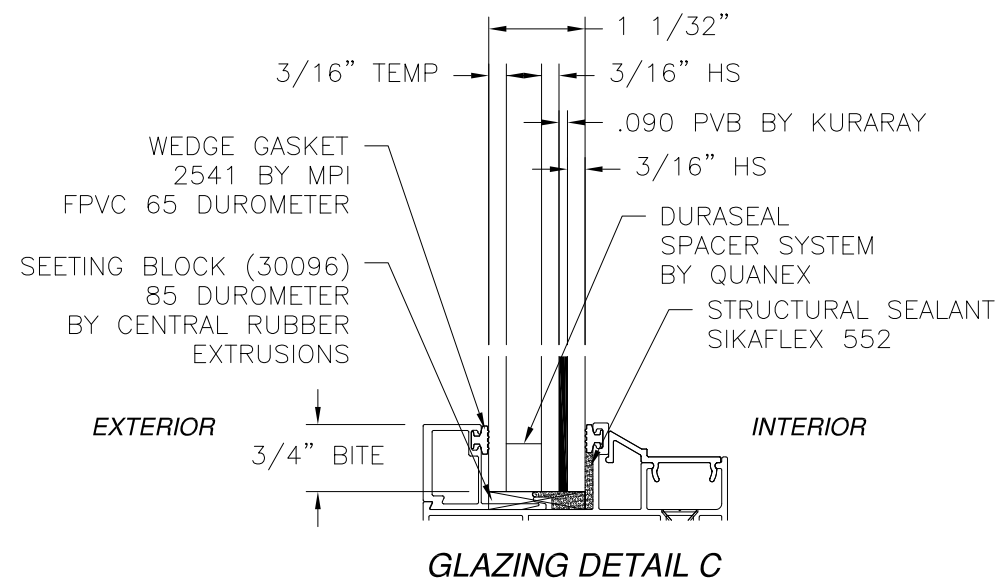
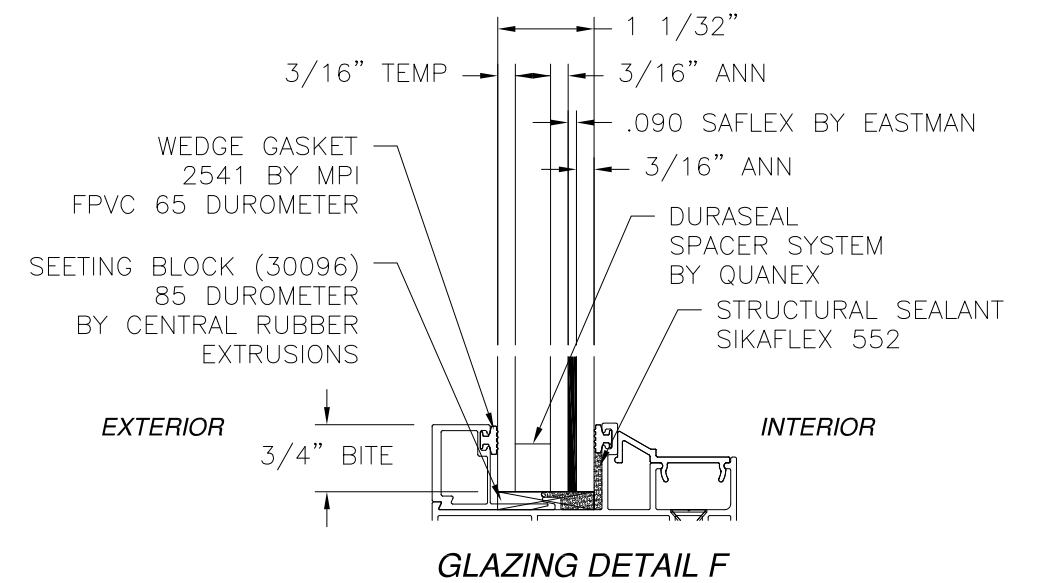
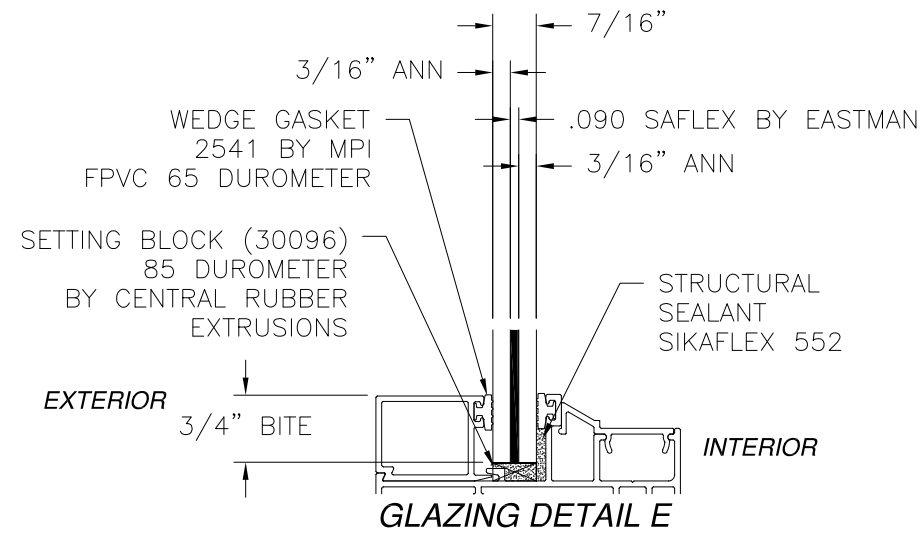
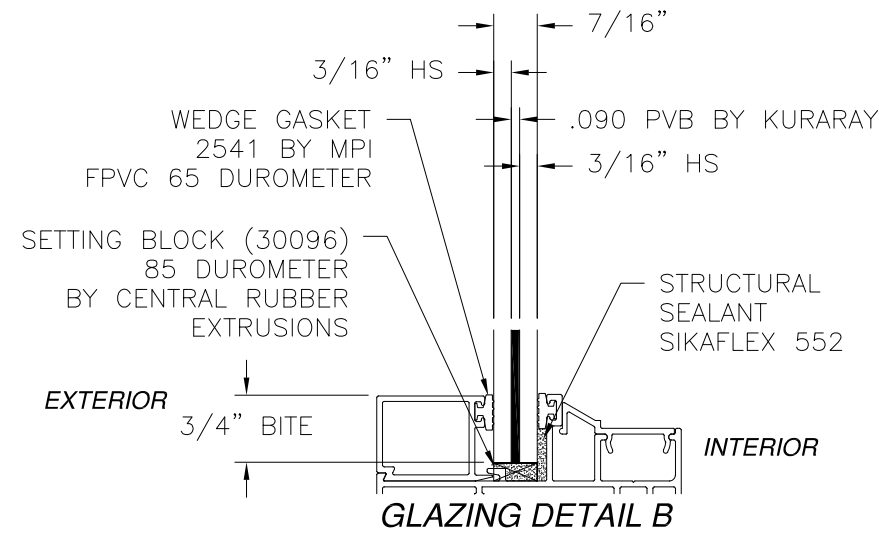
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- NOTES:
1. GLAZING DETAIL A THROUGH F MAY BE USED OUTSIDE HVHZ.
 2. GLAZING DETAILS A THROUGH D MAY BE USED INSIDE HVHZ WHEN INSTALLED 30' OR LESS FROM FINISH FLOOR.
 3. GLASSES B, C, E AND F MAYBE BE USED INSIDE THE HVHZ.



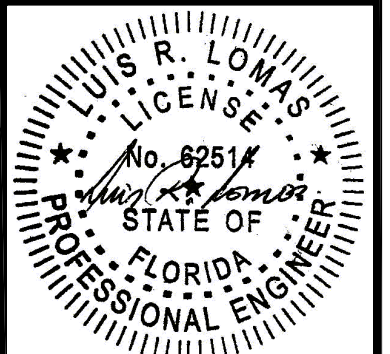
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IMPACT HVHZ PVB
GLAZING DETAILS
FL 17162**

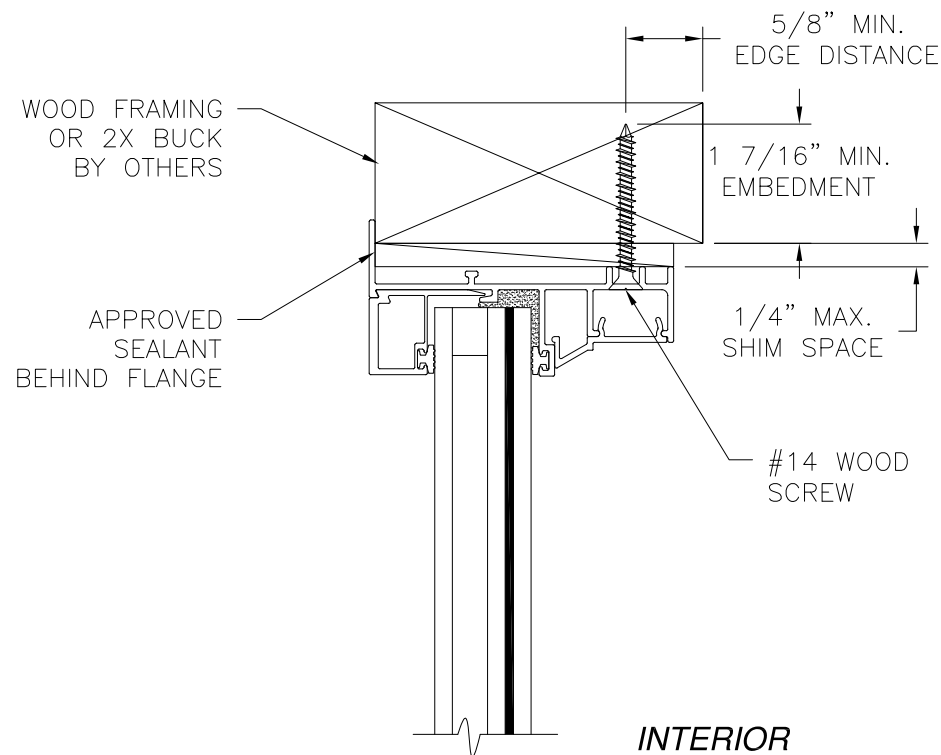
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SCALE NTS	DATE 07/24/14	SHEET 4 OF 8

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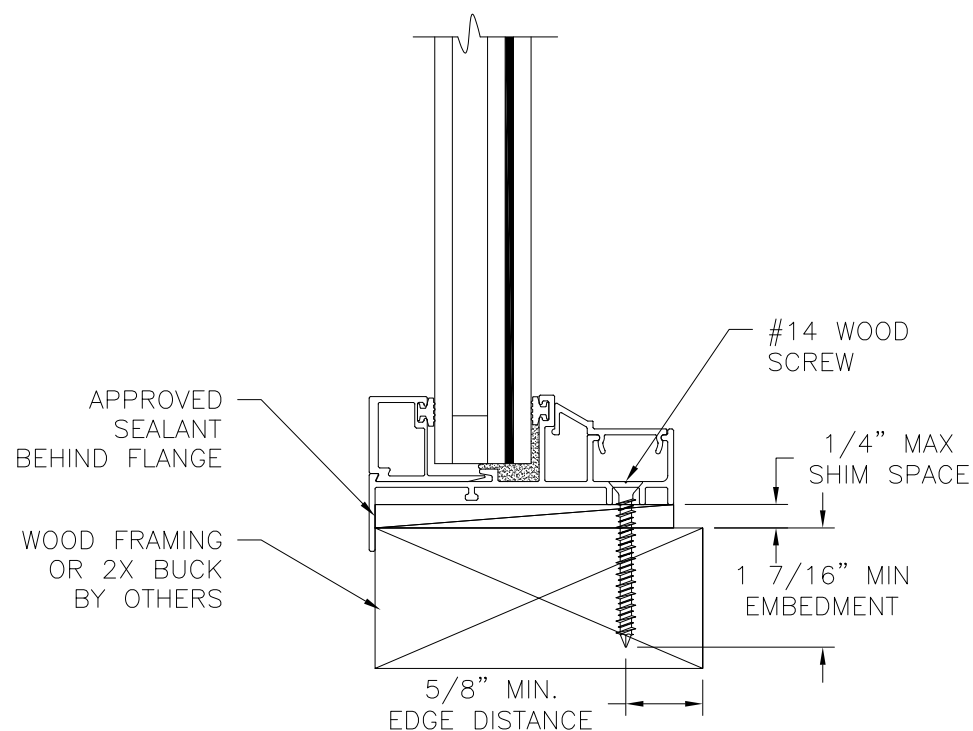
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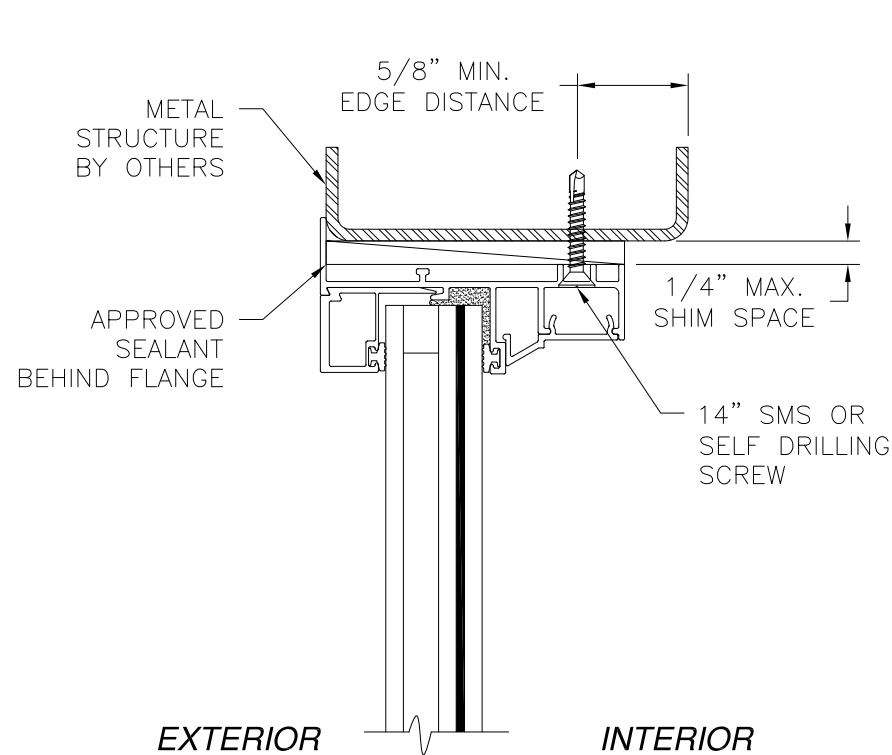
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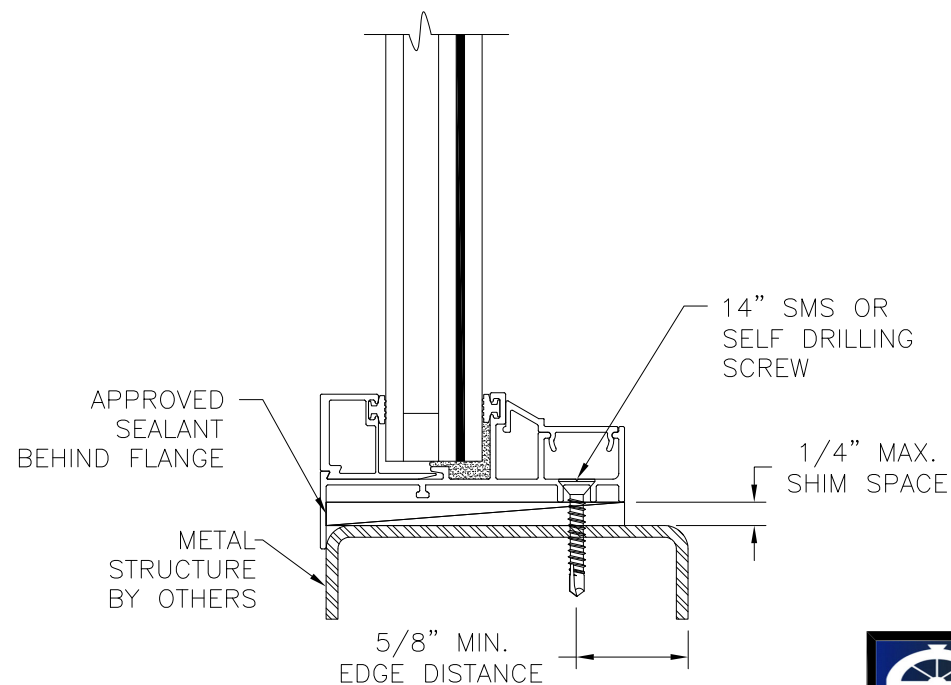
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

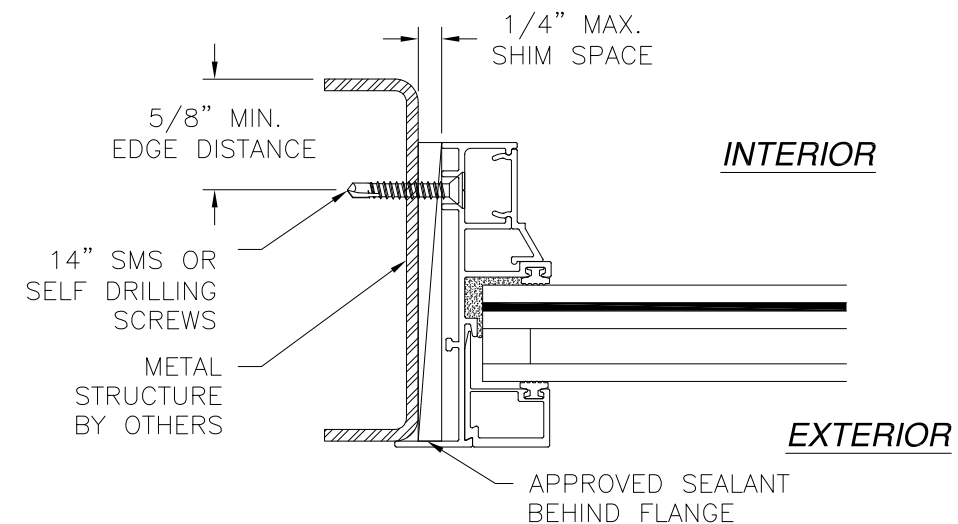


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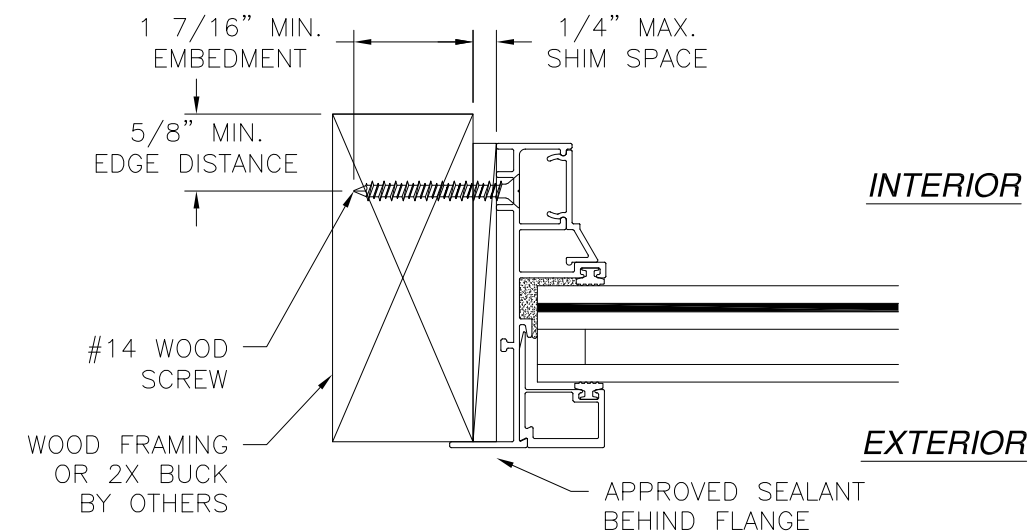


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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



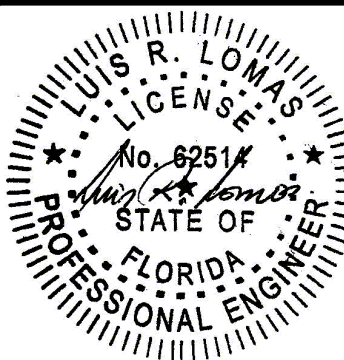
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IMPACT HVHZ PVB
FLANGE INSTALLATION DETAILS
FL 17162

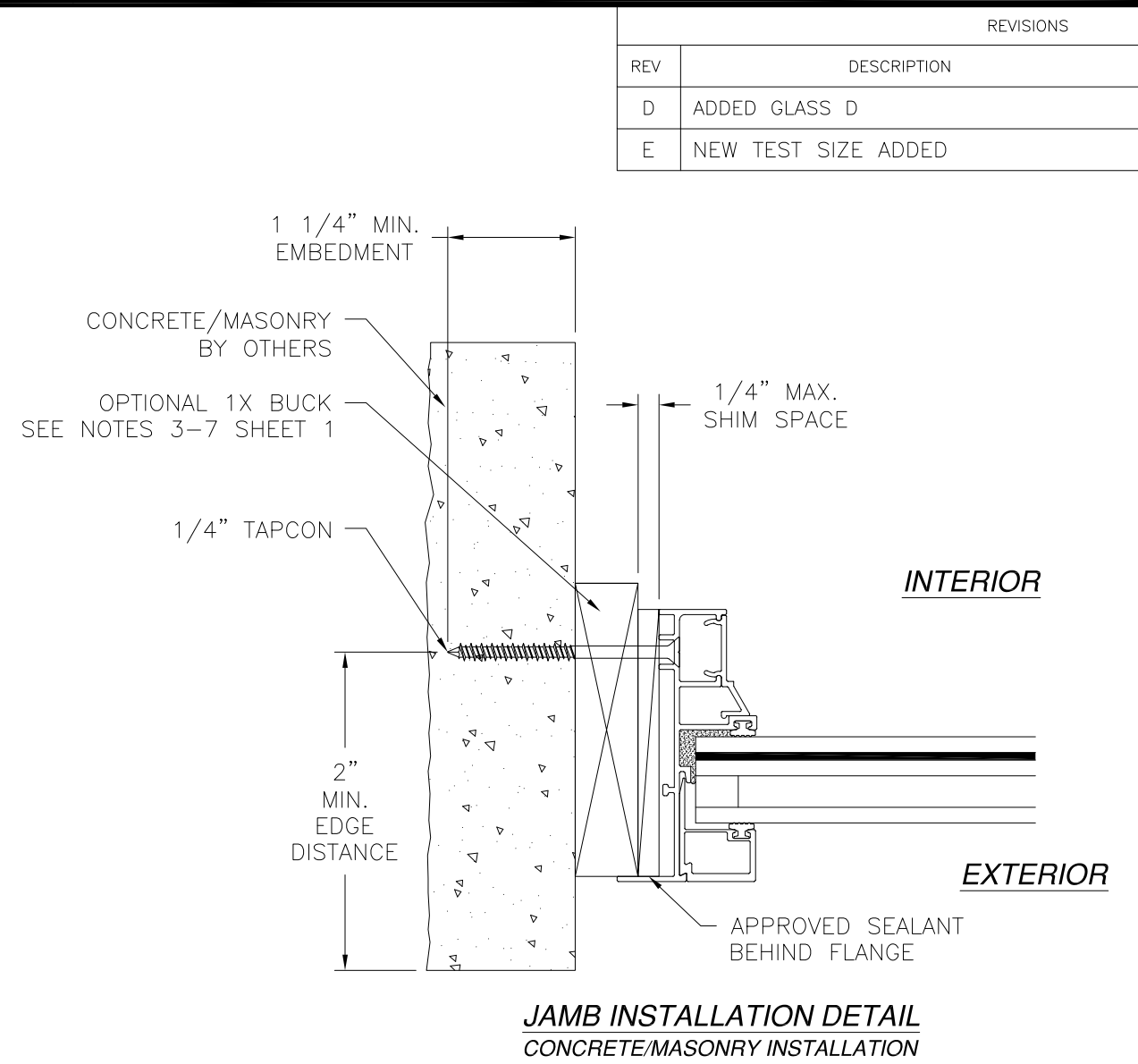
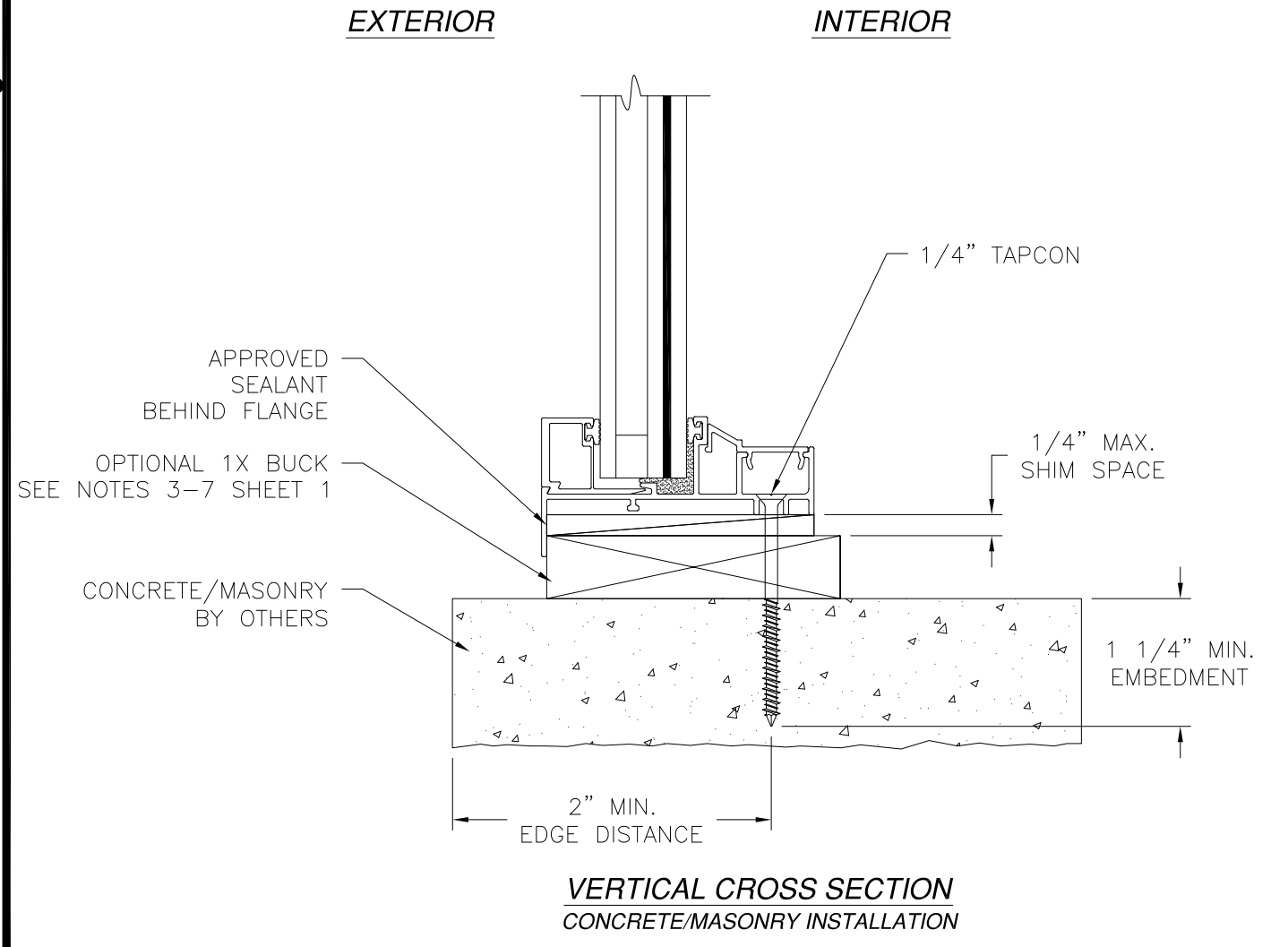
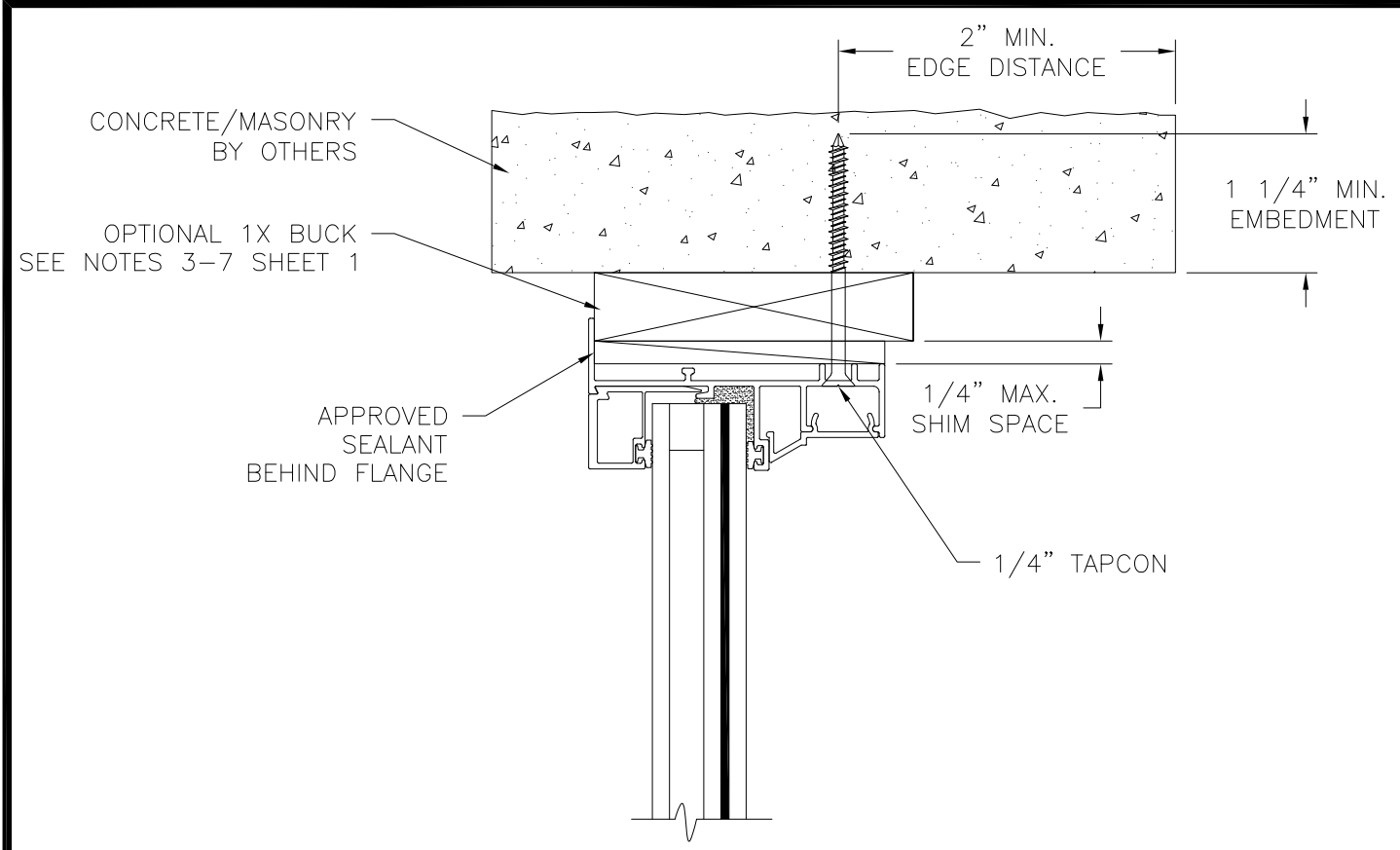
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SCALE NTS DATE 07/24/14 SHEET 5 OF 8

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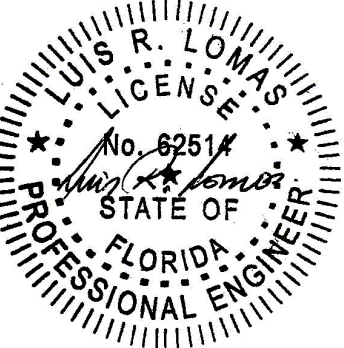
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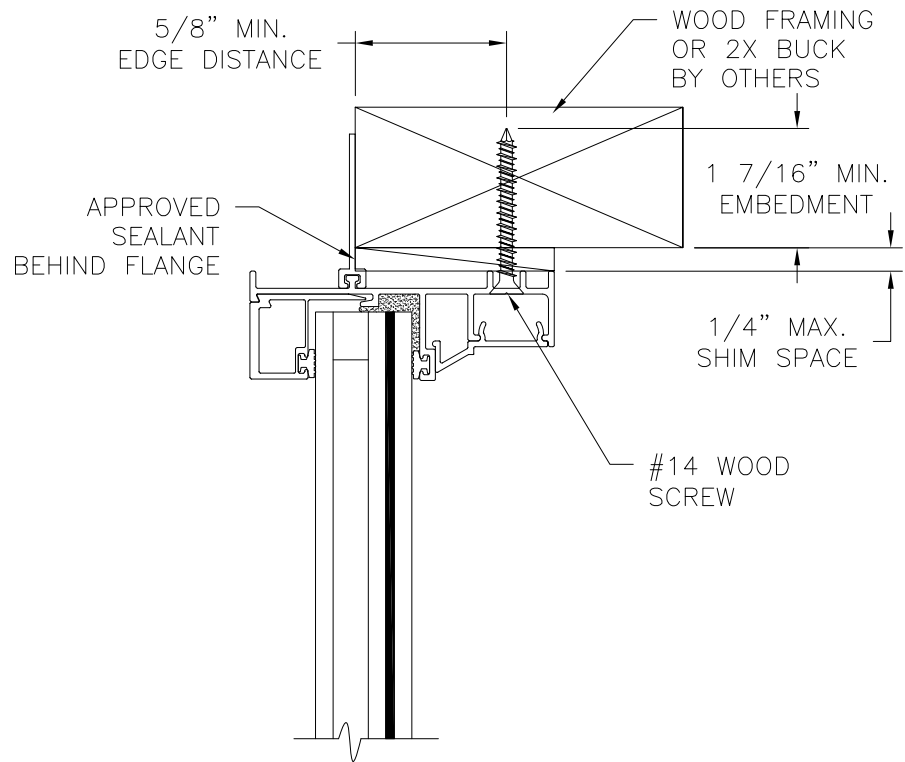
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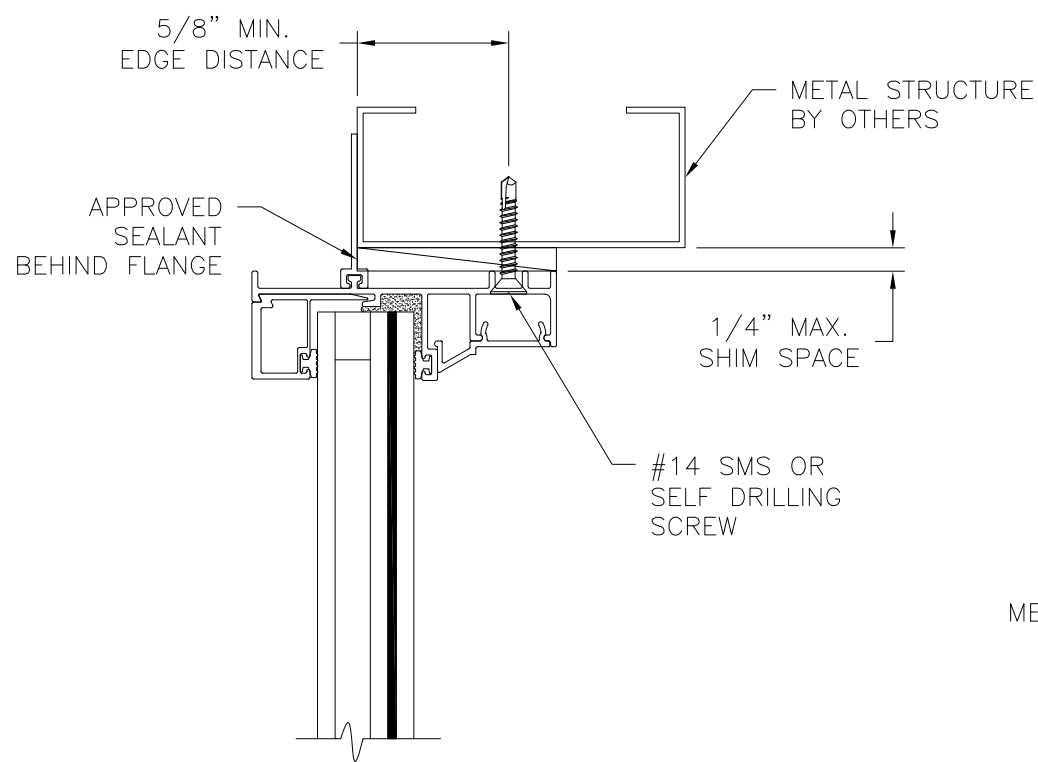


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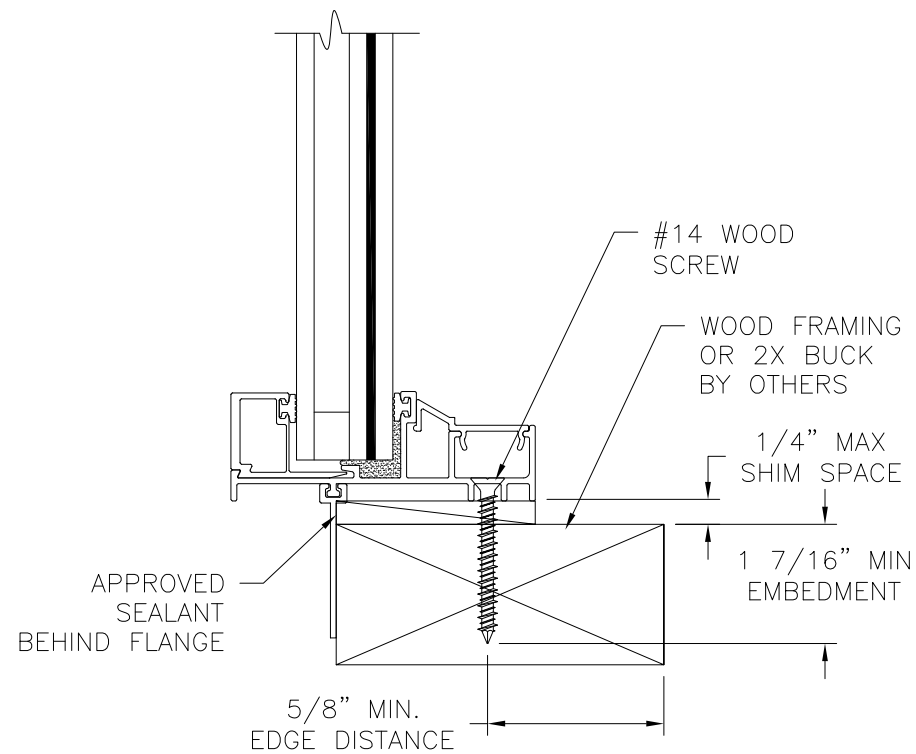
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INTERIOR

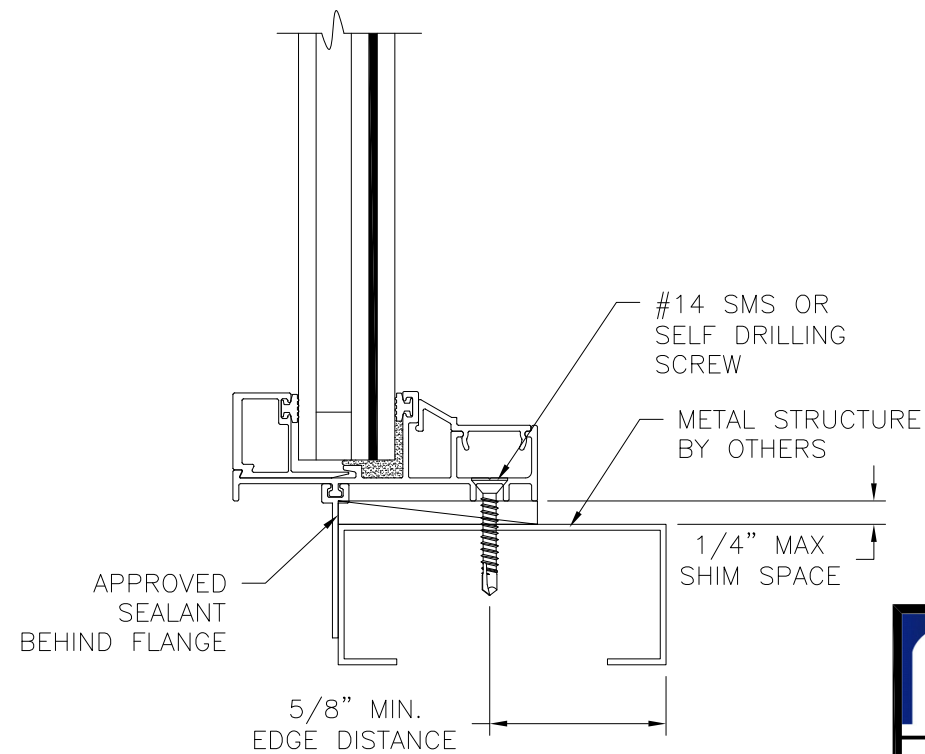


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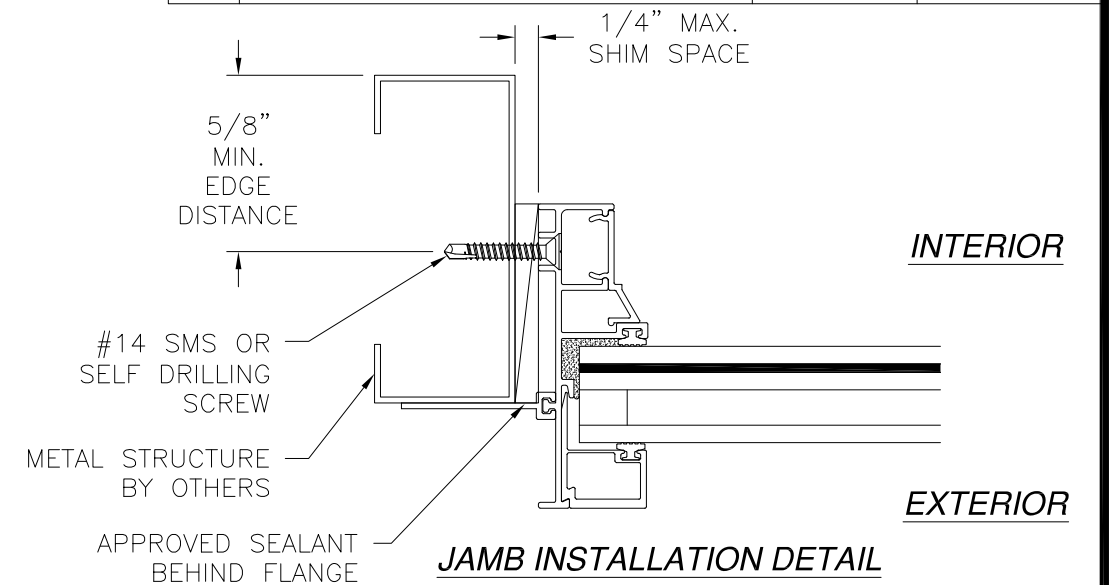


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

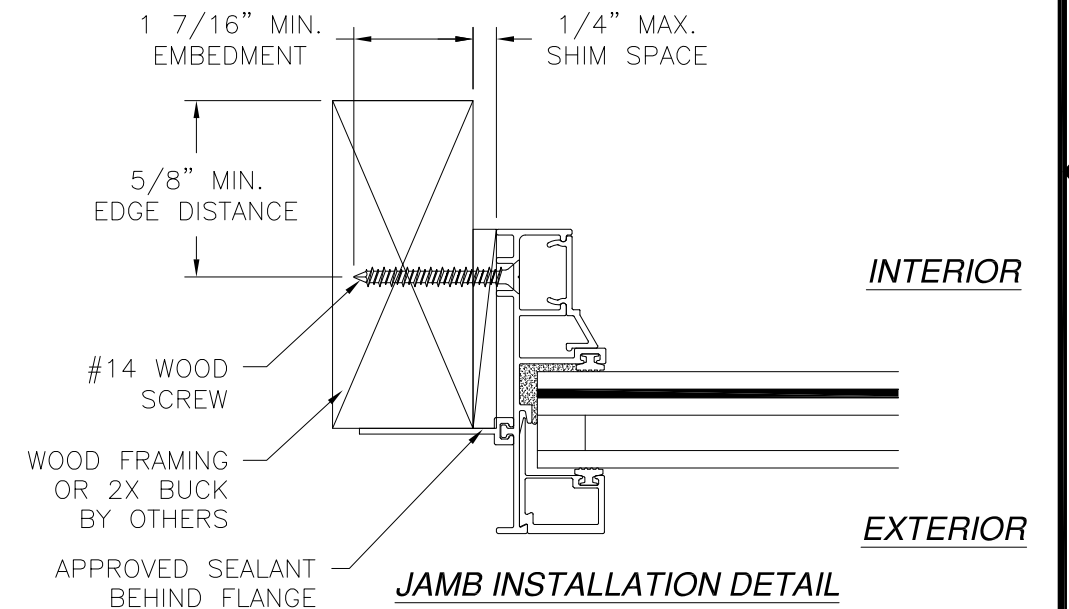


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



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WOOD FRAMING OR 2X BUCK INSTALLATION
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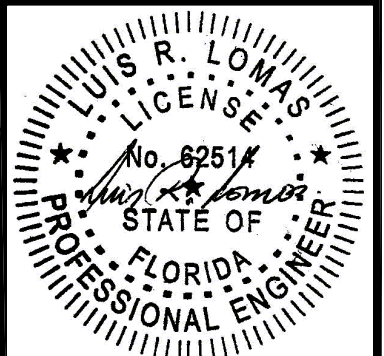


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IMPACT HVHZ PVB
SLIP-ON FIN INSTALLATION DETAILS
FL 17162

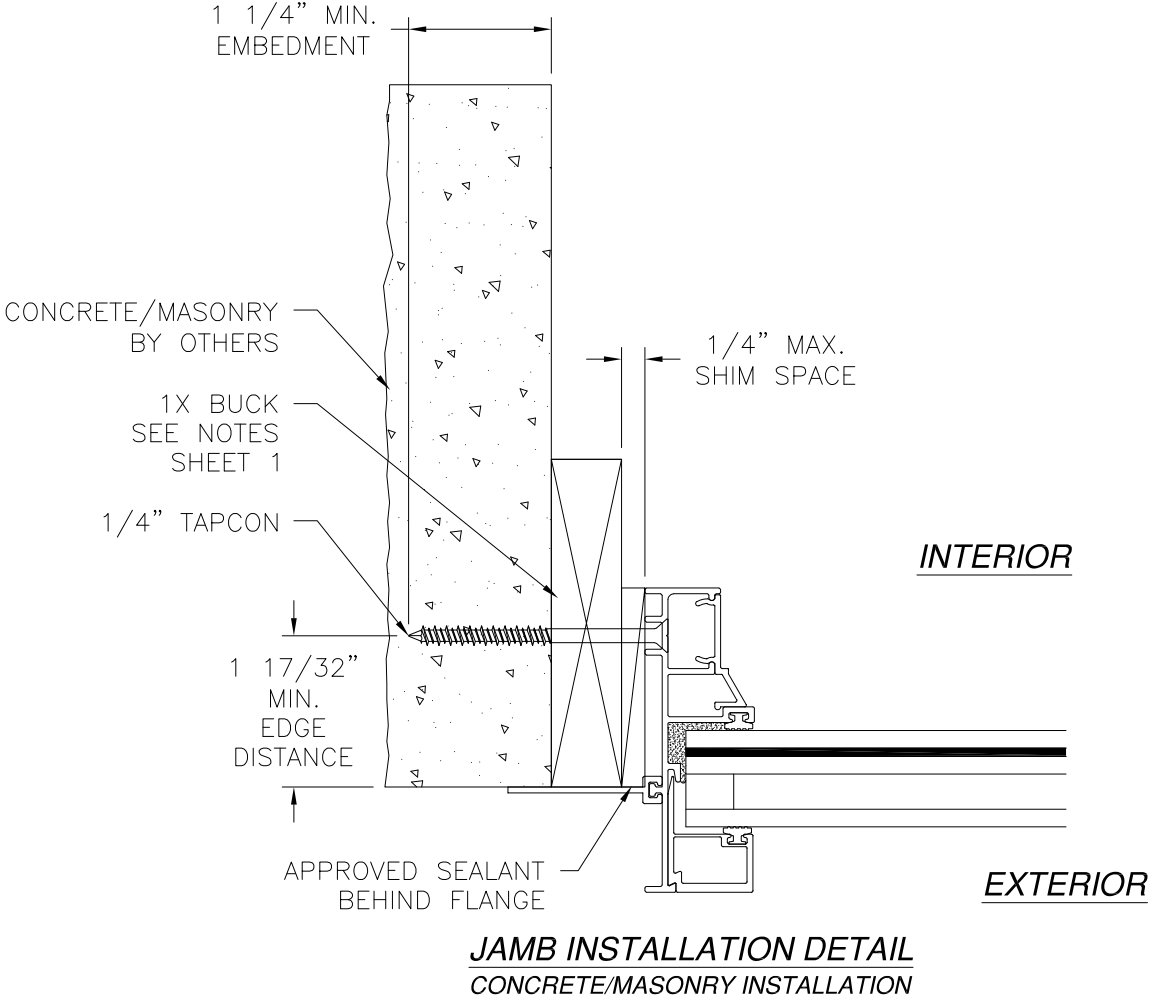
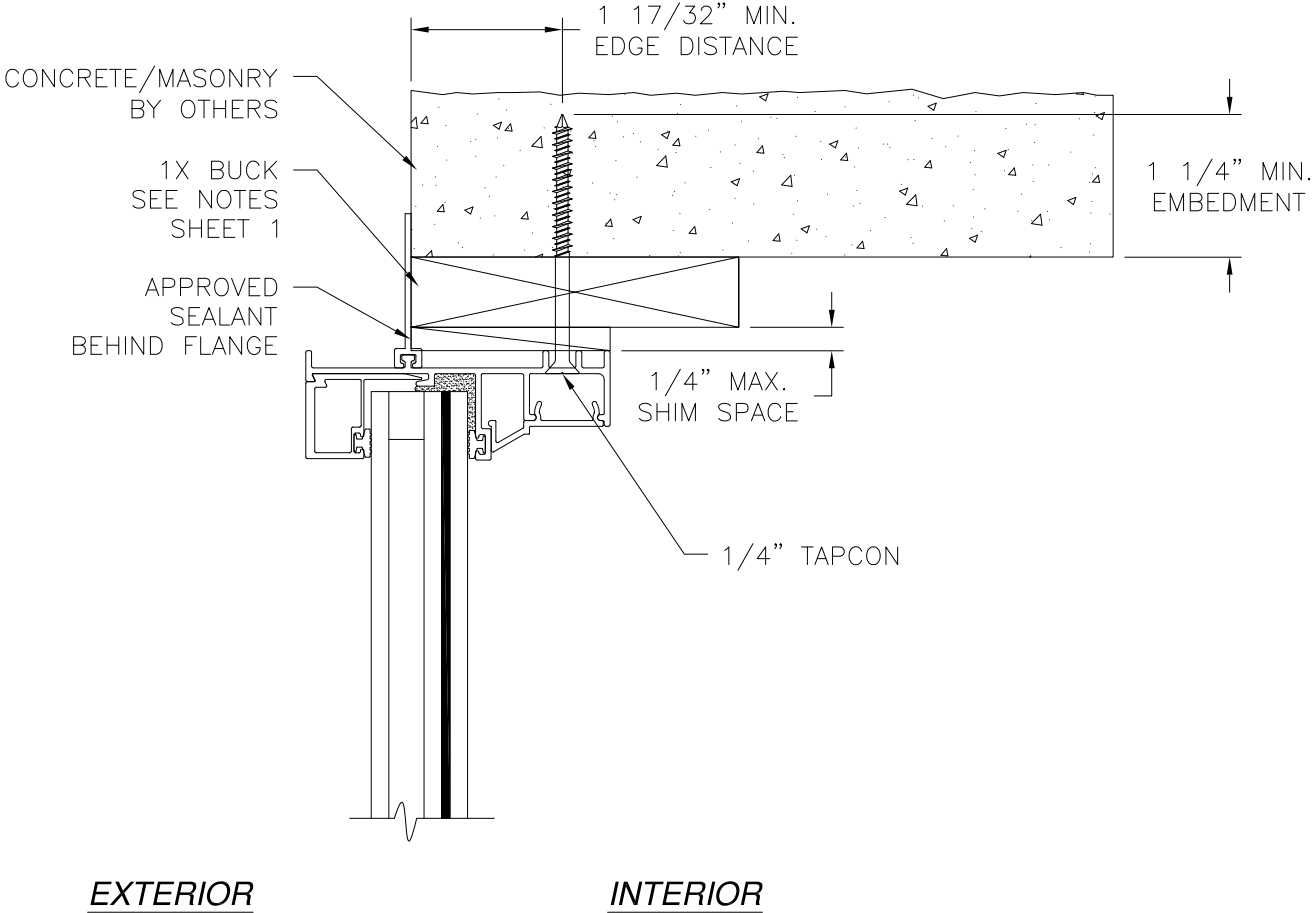
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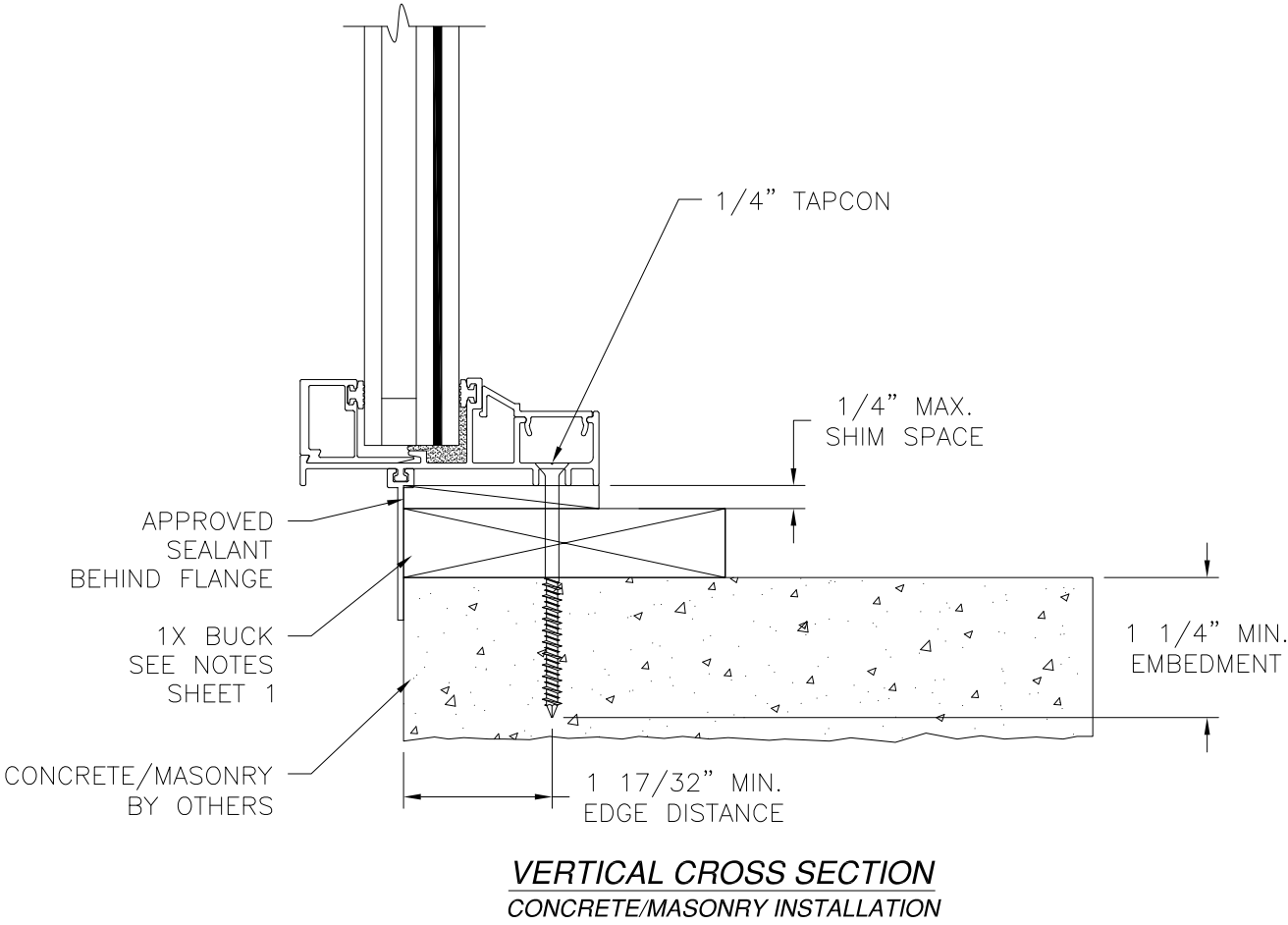


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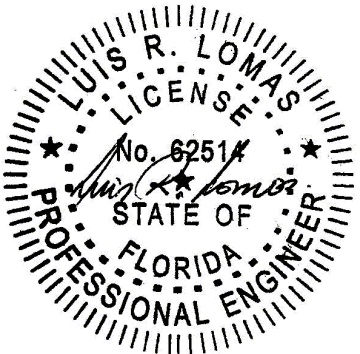
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