

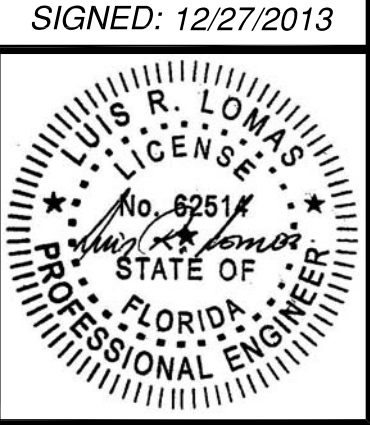
NOTES:

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. 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 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 MADE FROM MATERIALS CAPABLE OF SUSTAINING APPLICABLE LOADS, LOCATED AND APPLIED IN A THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: PINE WITH ALUMINUM CLADDING.
12. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 3 FOR GLASS OPTIONS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING 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.
15. FOR ANCHORING 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.
16. FOR ANCHORING 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

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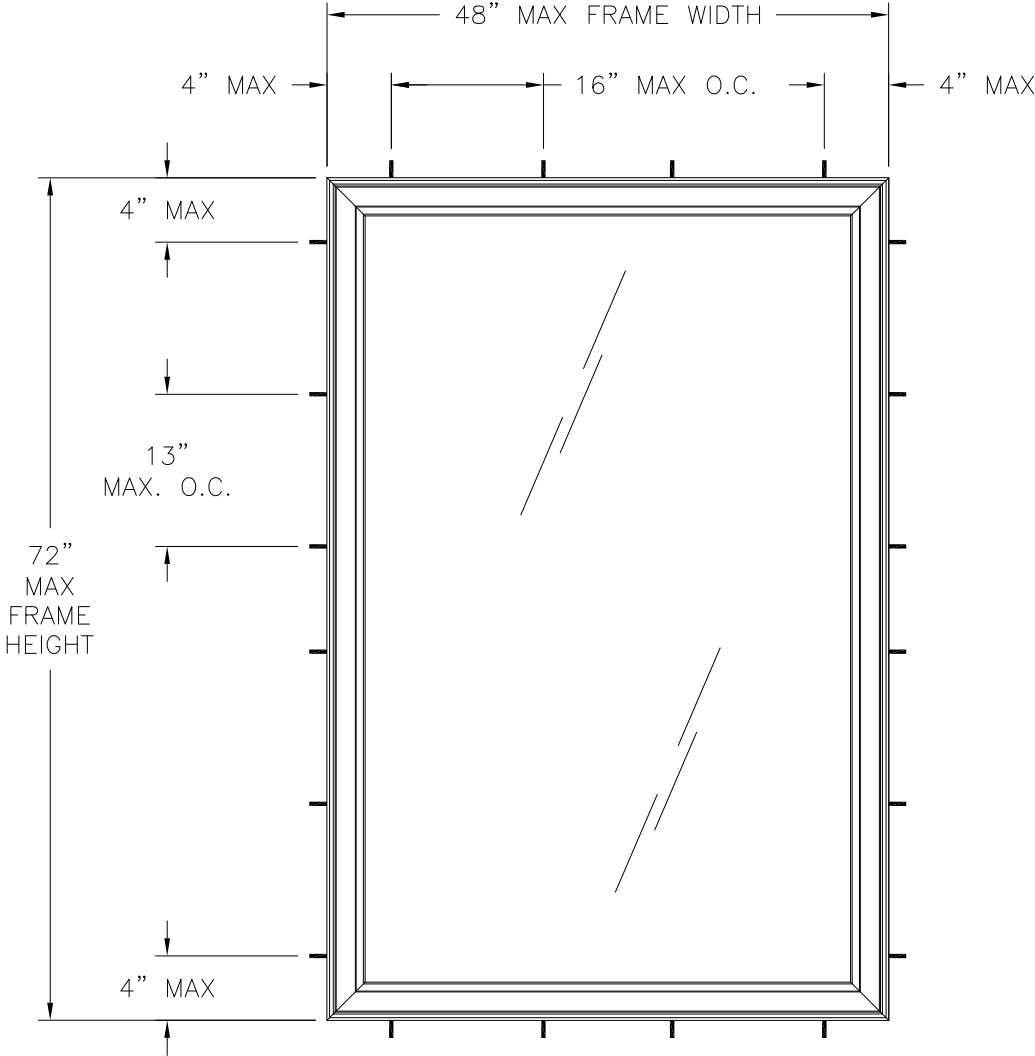
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

FRONTLINE BUILDING PRODUCTS 610 JENSEN DRIVE MEDFORD, WI 54451		
400 CLAD CASEMENT PICTURE WINDOW IMPACT HVHZ NOTES		
DRAWN: V.L.	DWG NO. 08-02204	REV —
SCALE NTS	DATE 09/09/13	SHEET 1 OF 7

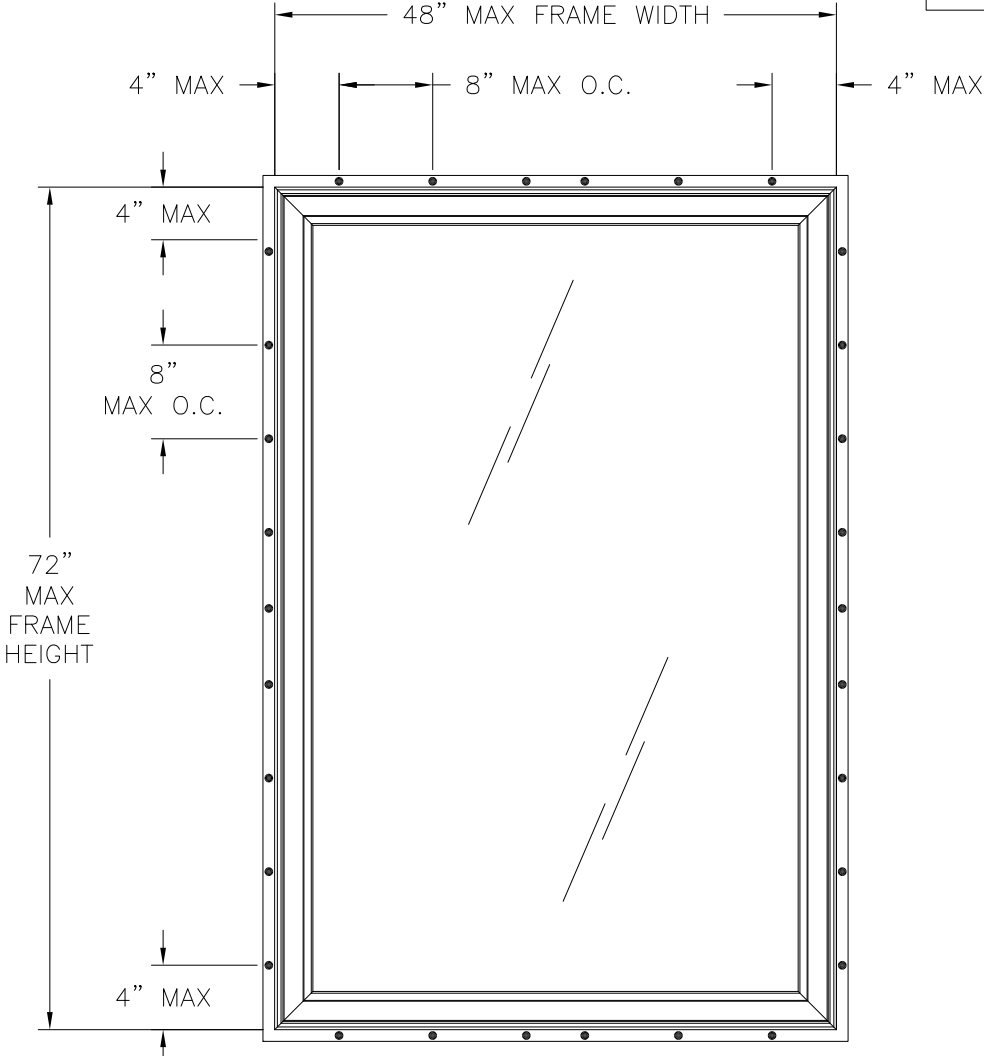




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400 CLAD CASEMENT PICTURE WINDOW
EXTERIOR VIEW FRAME INSTALLATION



400 CLAD CASEMENT PICTURE WINDOW
EXTERIOR VIEW FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
$\pm 80.0 \text{ PSF}$	LARGE AND SMALL MISSILE IMPACT

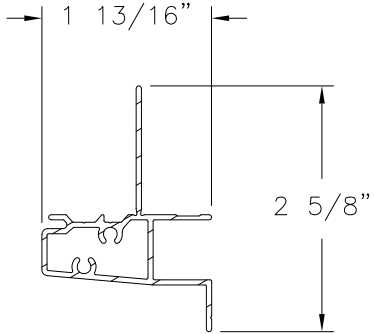
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

FRONTLINE BUILDING PRODUCTS 610 JENSEN DRIVE MEDFORD, WI 54451		
400 CLAD CASEMENT PICTURE WINDOW IMPACT HVHZ ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-02204	REV —
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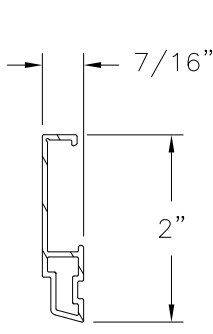


BILL OF MATERIALS				
NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1		FRAME CLAD		6063-T5 ALUMINUM
2		SASH CLAD		6063-T5 ALUMINUM
3		SASH		PINE
4		GLAZING BEAD		PINE
5		FRAME JAMB		PINE
6		INTERIOR STOP		PINE
7		LEAF SEAL	AMESBURY	
8		1/16"x1/4" TAPE	ADHESIVE RESEARCH	
9		#8x1-1/2" SCREW		
10		#7x2" SCREW		
11	M150	SILICONE	NOVAFLEX	
12	M400	SILICONE	NOVAFLEX	
13		5/32"x1/2"x2" SETTING BLOCK		85 DUROMETER
14		1-1/8"x18 BRAD		
15		SPACER		PINE

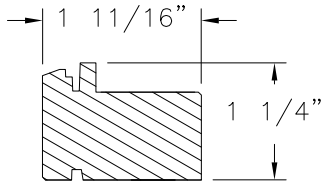
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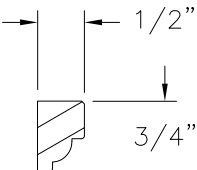
1 **FRAME CLAD**
ALUMINUM 6063-T5 .059" THICK



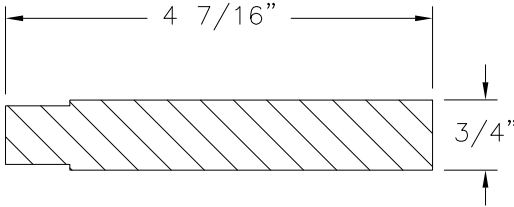
2 **SASH CLAD**
ALUMINUM 6063-T5 .069" THICK



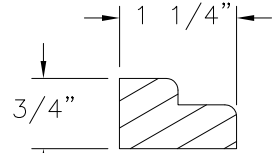
3 **SASH**
PINE



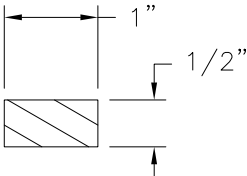
4 **GLAZING BEAD**
PINE



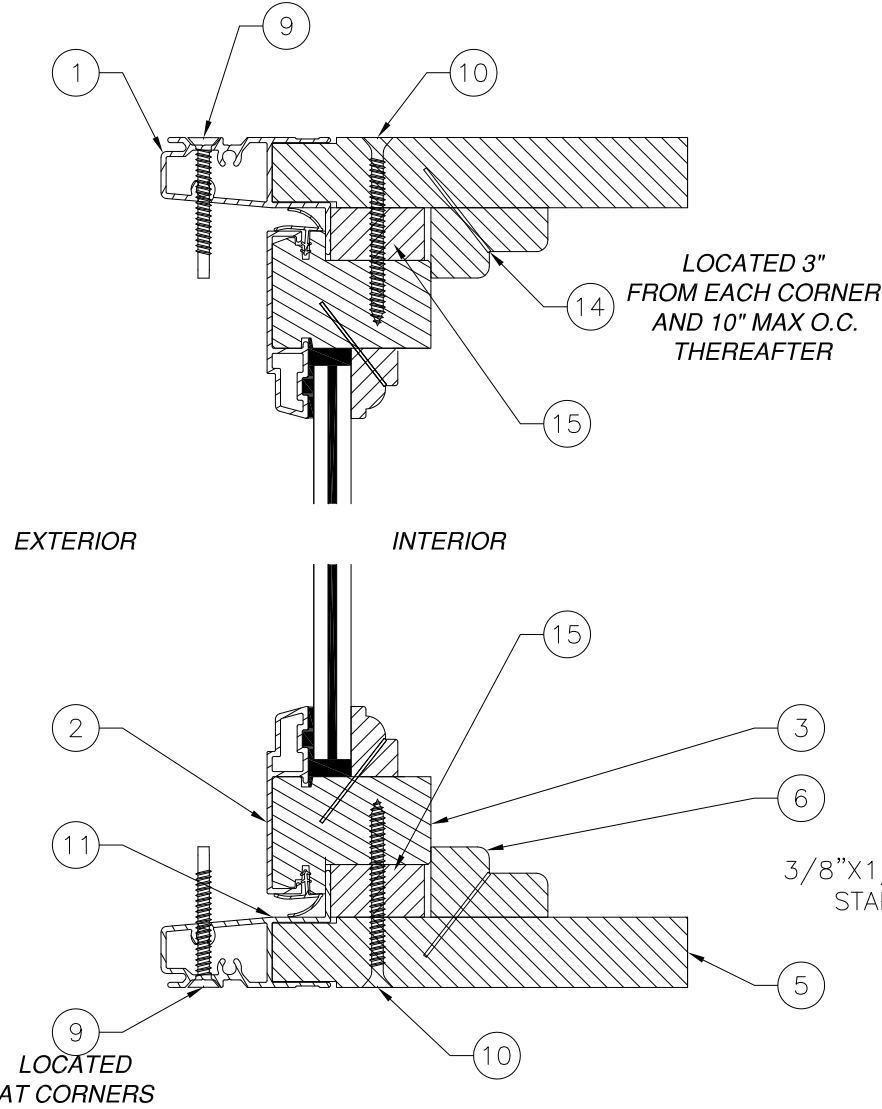
5 **FRAME JAMB**
PINE



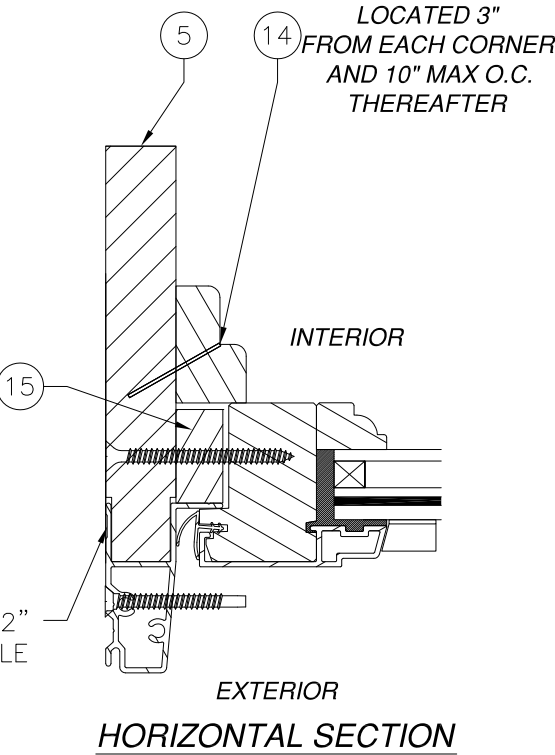
6 **INTERIOR STOP**
PINE



15 **SPACER**
PINE

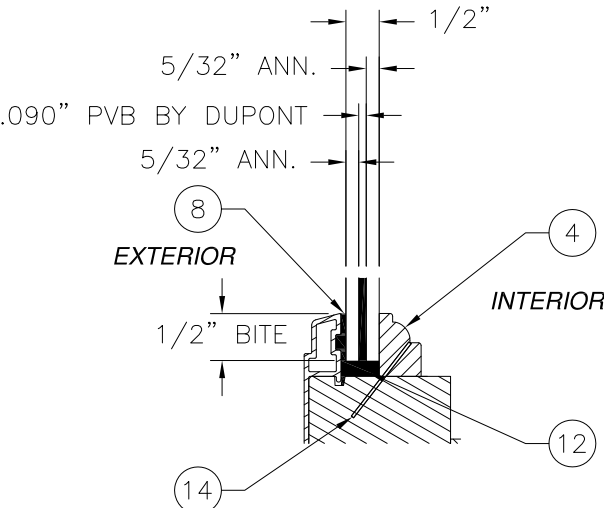


VERTICAL SECTION

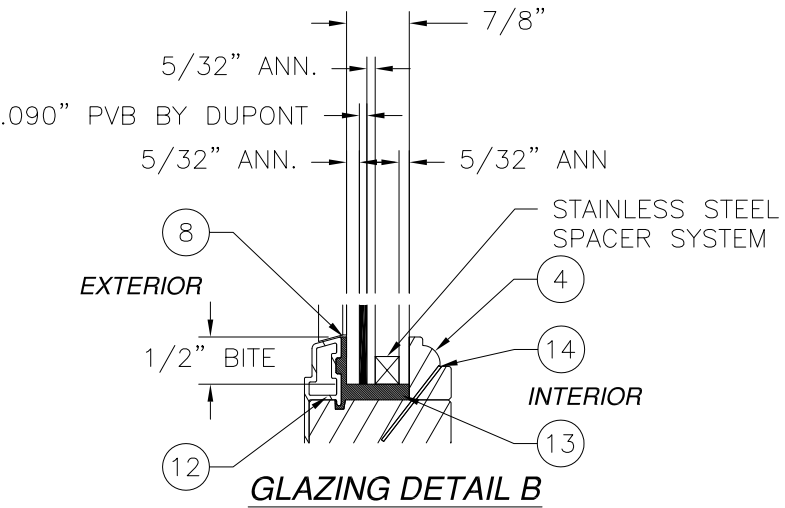


HORIZONTAL SECTION

CORNER CONSTRUCTION:
CORNERS ARE ASSEMBLED USING (3)
#7x2-1/2" SCREWS, ITEM 10, AT EACH CORNER.



GLAZING DETAIL A

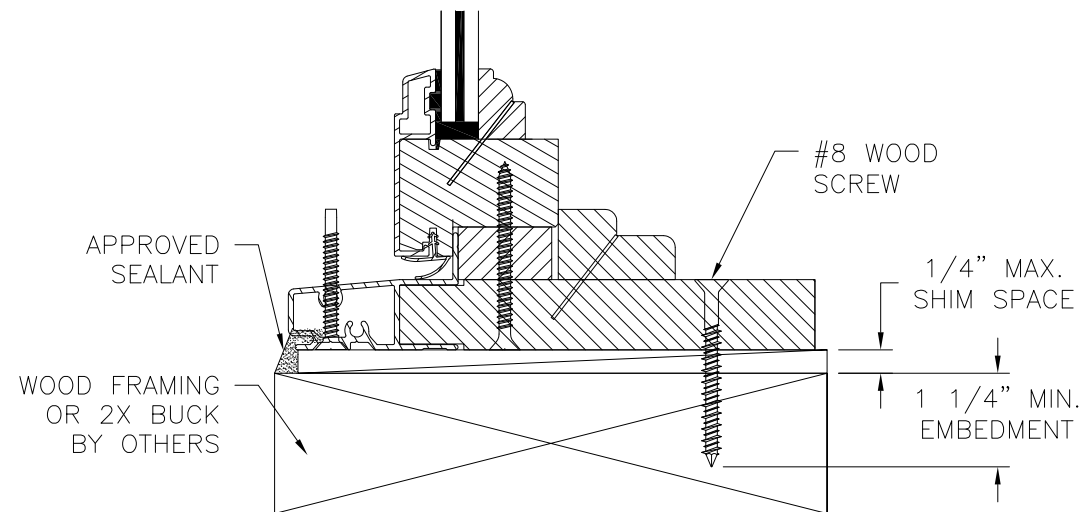
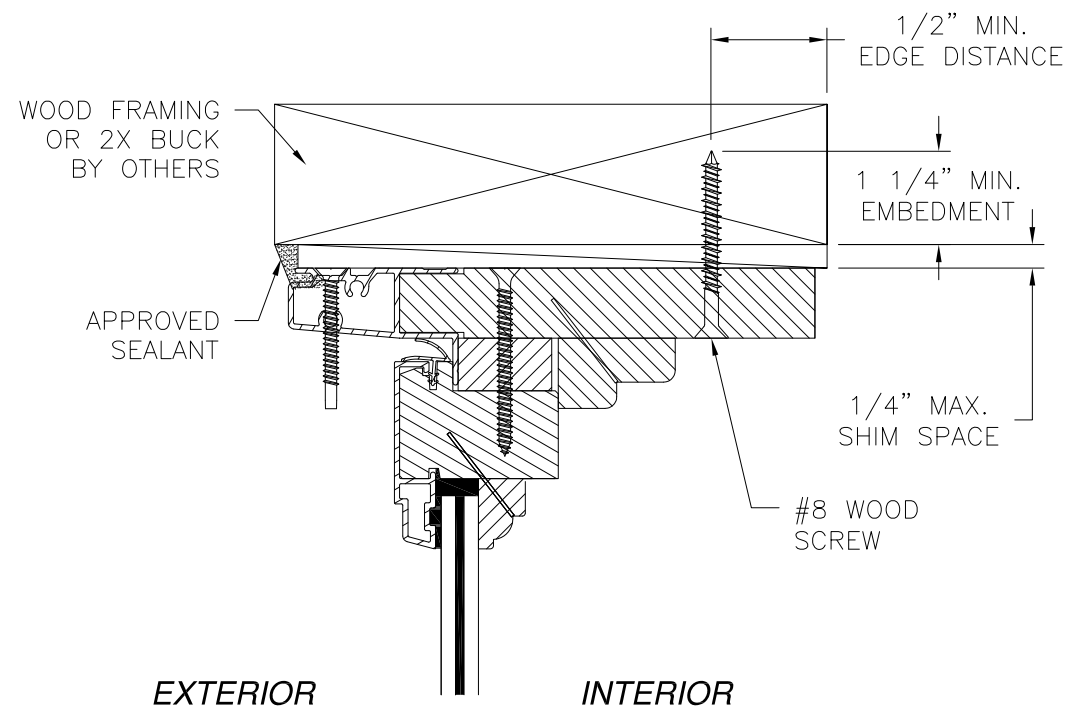


GLAZING DETAIL B

FRONTLINE BUILDING PRODUCTS 610 JENSEN DRIVE MEDFORD, WI 54451		
400 CLAD CASEMENT PICTURE WINDOW IMPACT HVHZ B.O.M., CROSS SECTIONS & GLAZING DETAILS		
DRAWN: V.L.	DWG NO. 08-02204	REV —
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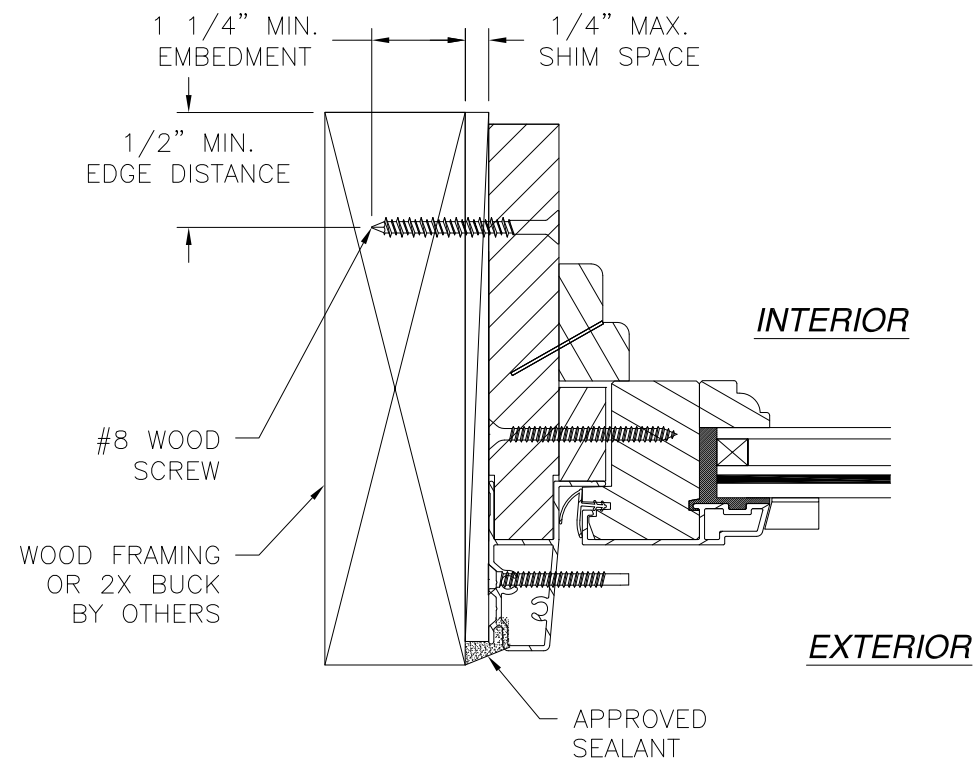


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTE:
INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT
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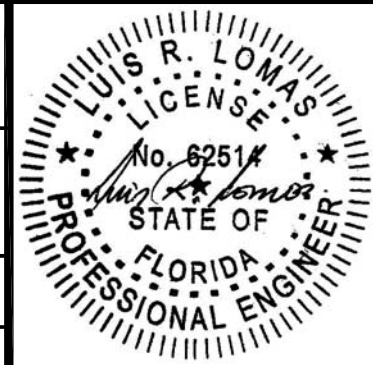


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

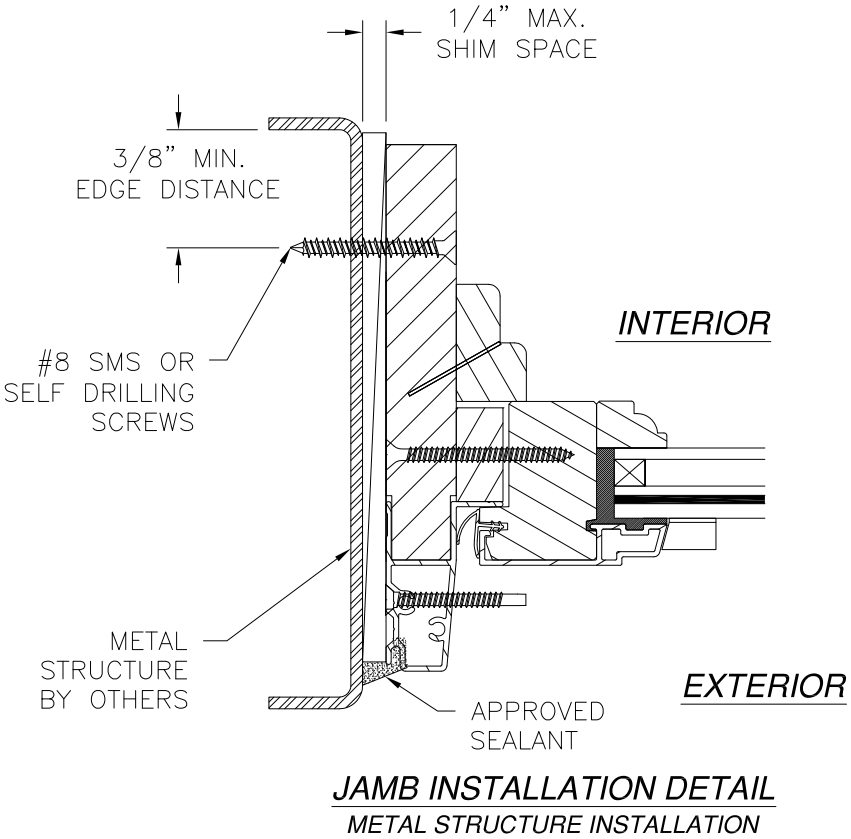
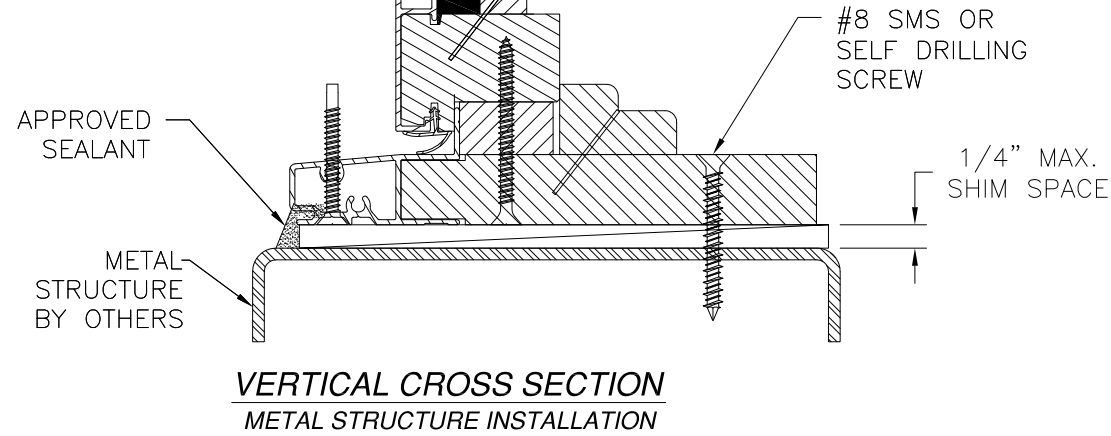
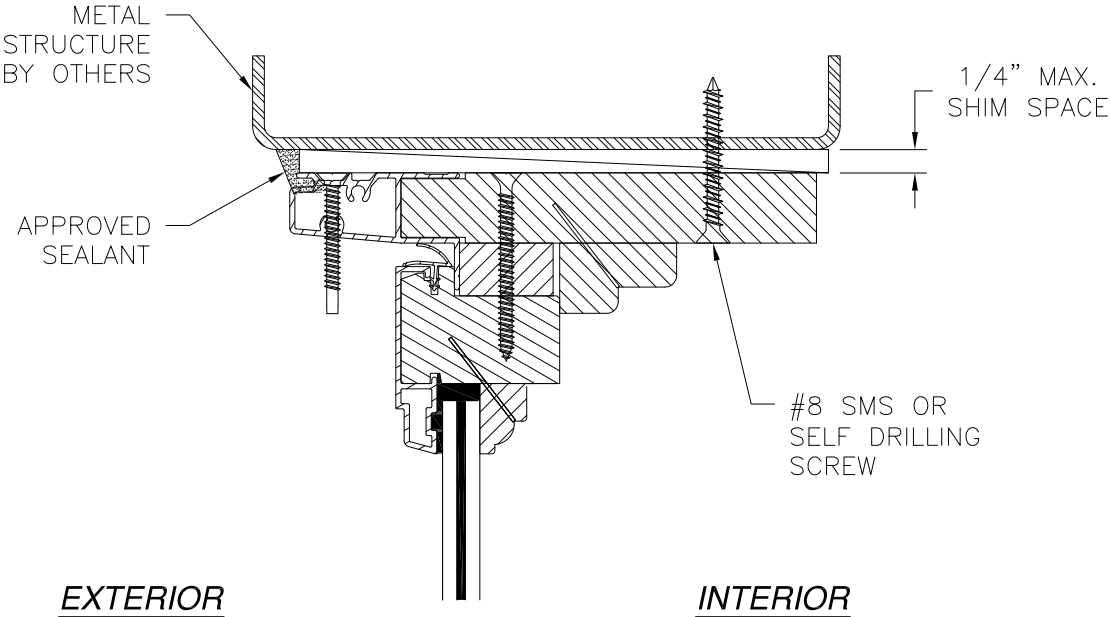
FRONTLINE BUILDING PRODUCTS
610 JENSEN DRIVE
MEDFORD, WI 54451

400 CLAD CASEMENT PICTURE WINDOW
IMPACT HVHZ
INSTALLATION DETAILS

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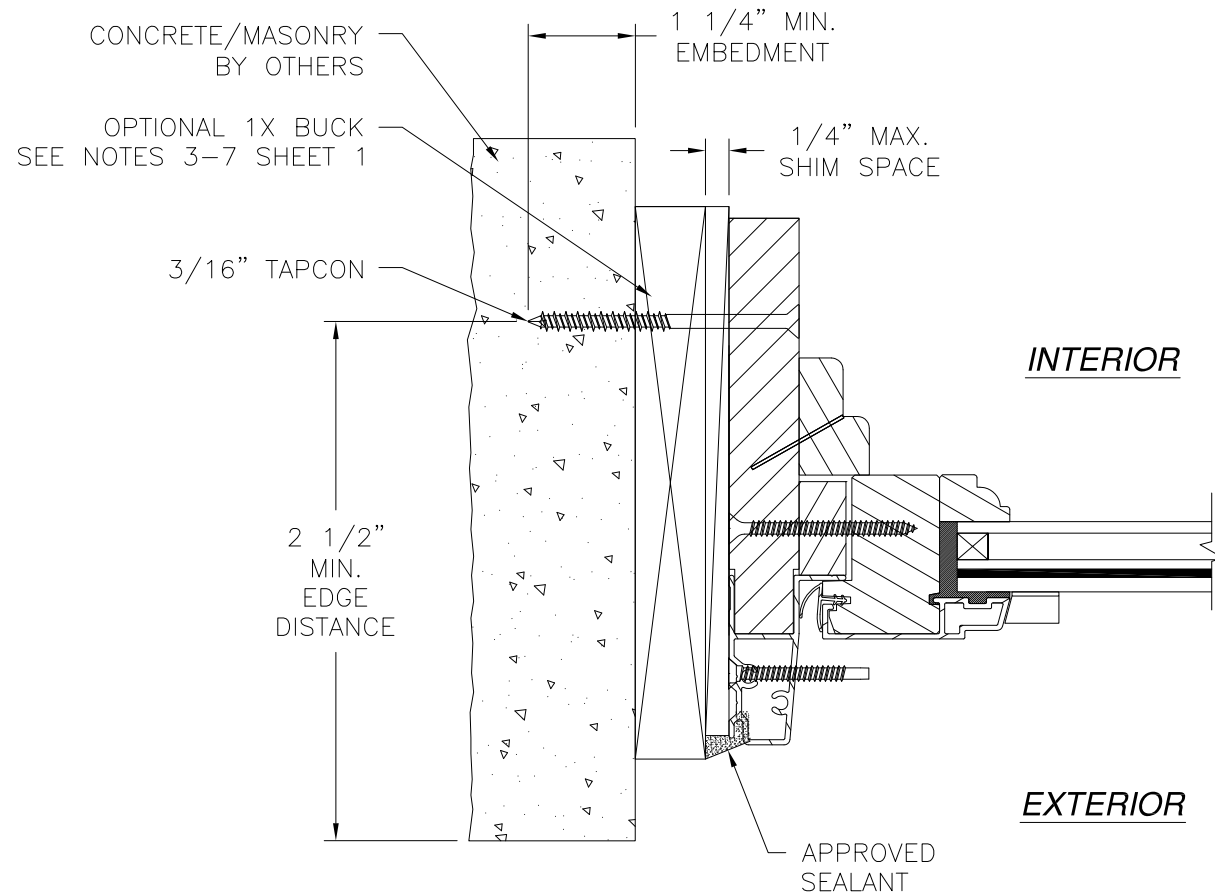
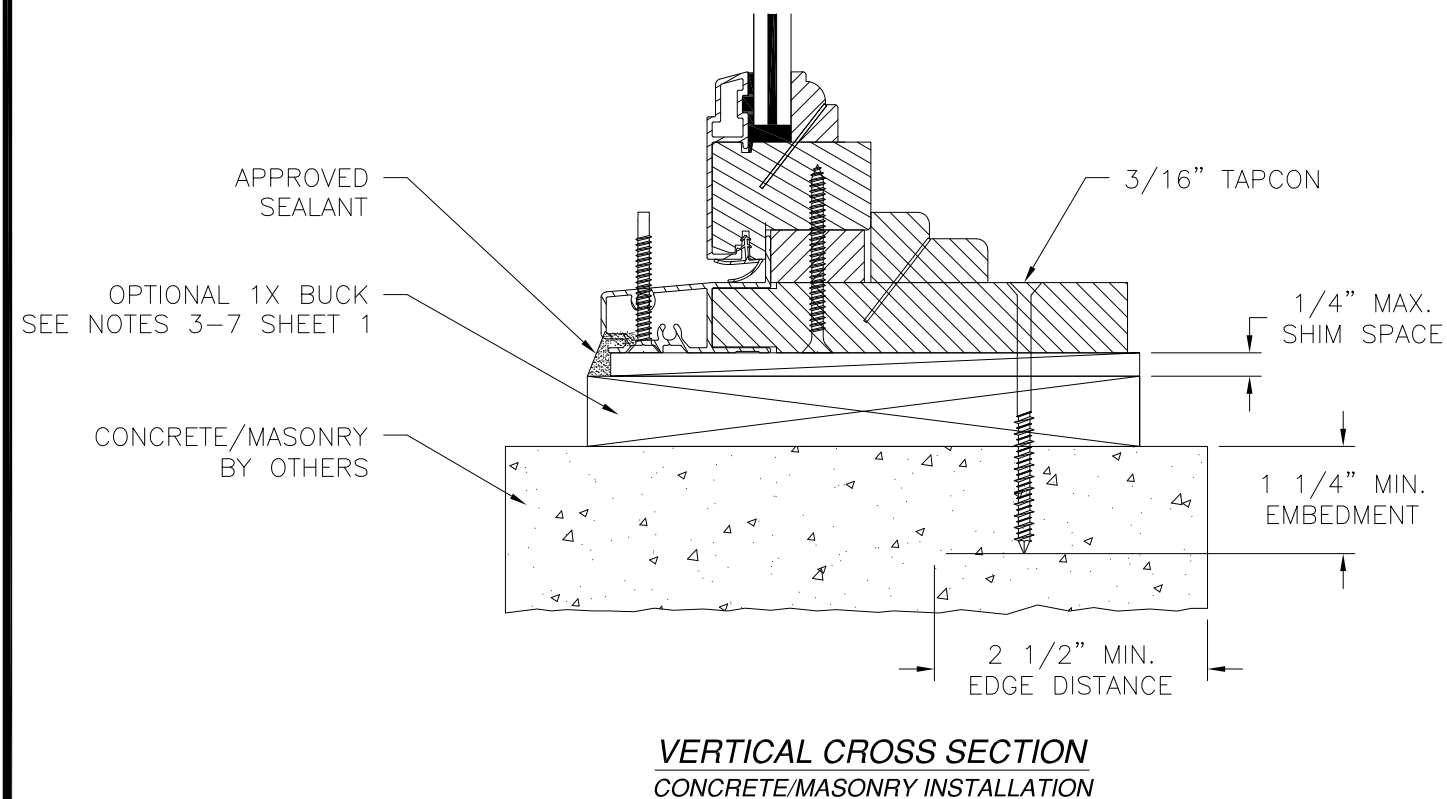
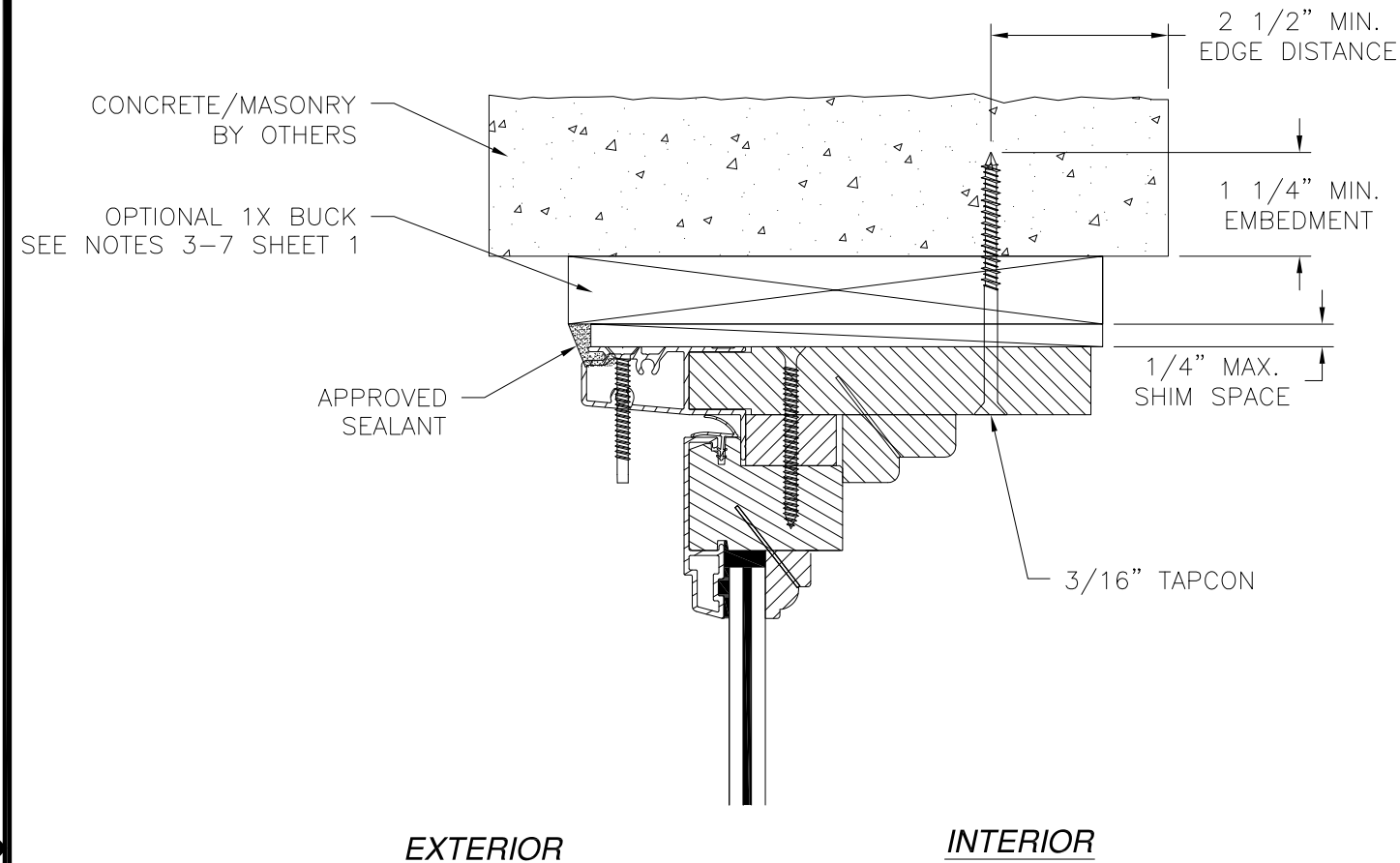


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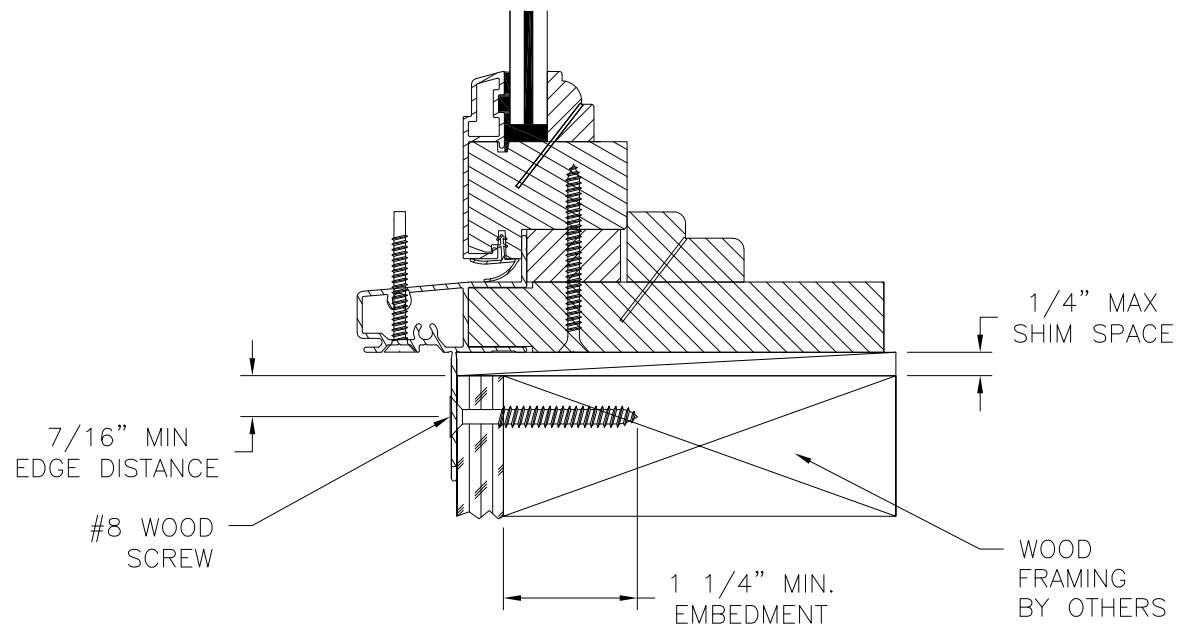
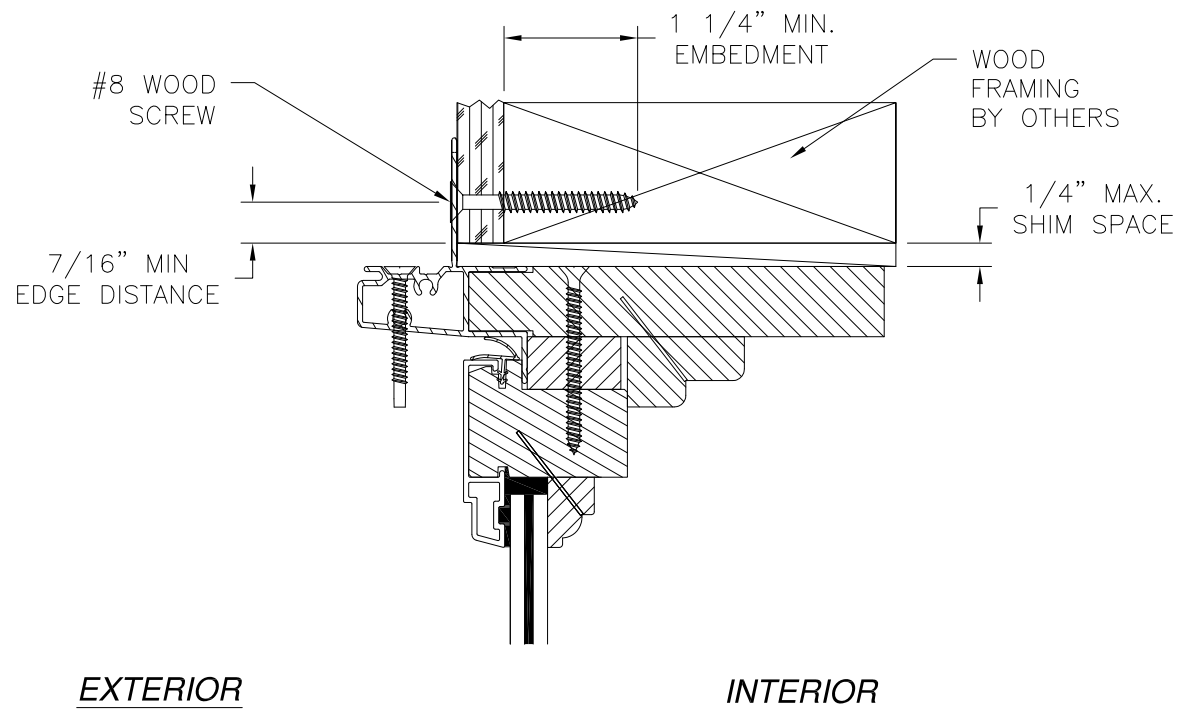
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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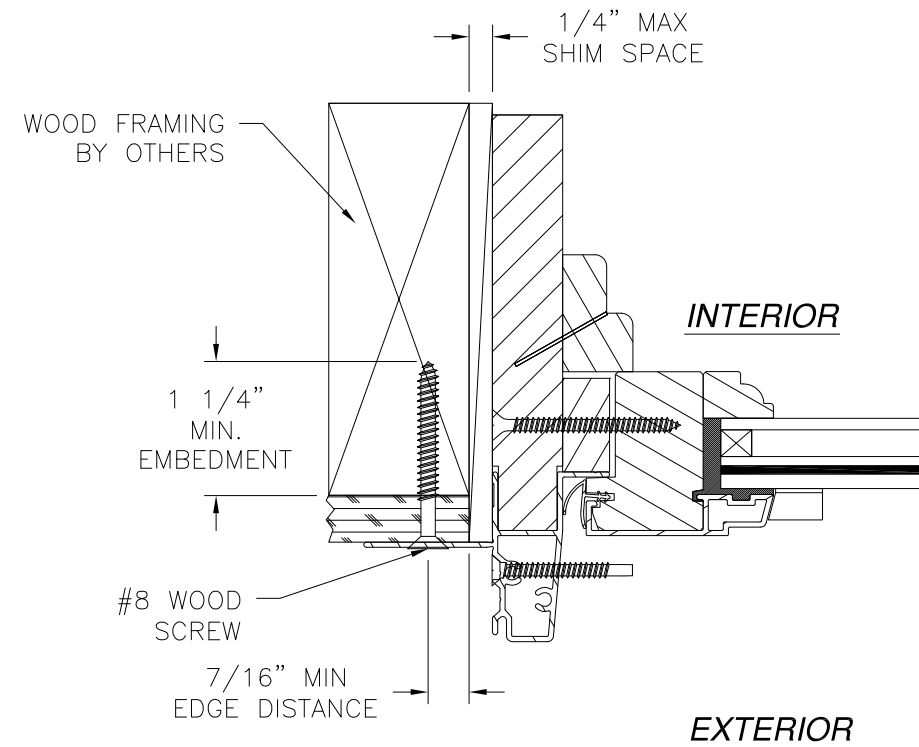
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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FRONTLINE BUILDING PRODUCTS
610 JENSEN DRIVE
MEDFORD, WI 54451

400 CLAD CASEMENT PICTURE WINDOW
IMPACT HVHZ
INSTALLATION DETAILS

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