

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, METAL STRUCTURE 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” 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. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER’S PUBLISHED INSTALLATION INSTRUCTIONS.
5. 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.
6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED 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 Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: EXTRUDED ALUMINUM 6063–T6.
11. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

12. 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.
13. FOR ANCHORING 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.
14. FOR ANCHORING 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.
15. FOR ANCHORING TO PVC FRAME USE 1/4” 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 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

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WOJAN WINDOW & DOOR CORPORATION

217 STOVER ROAD

CHARLEVOIX, MI 49720

4500 FIXED FRAME WITH LOUVER

NON-IMPACT

NOTES

DRAWN:

DWG NO.

REV

A.R.

08-04137

-

SCALE

DATE

SHEET

NTS

02/27/2025

1 OF 10

L. ROBERTO LOMAS P.E.

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434-688-0609 rllomas@rlomaspe.com

SIGNED: 06/18/2025

LUIS R. LOMAS

LICENSE

No. 62514

STATE OF

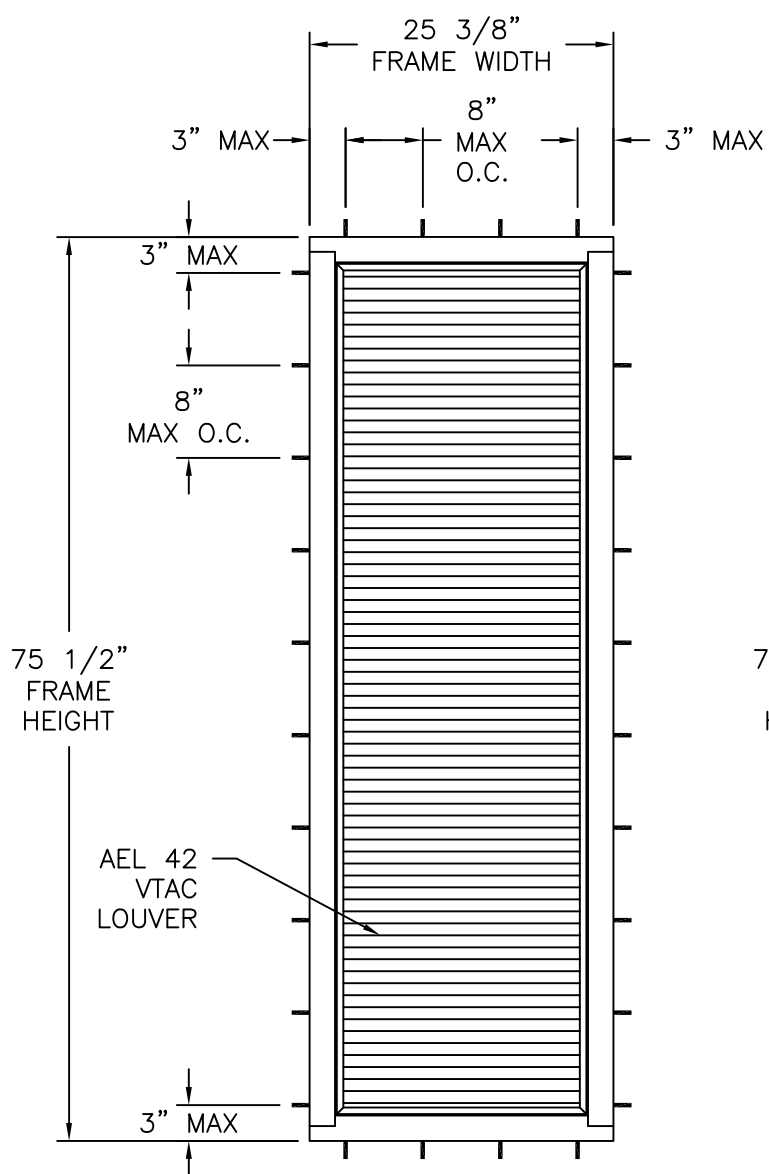
FLORIDA

PROFESSIONAL ENGINEER

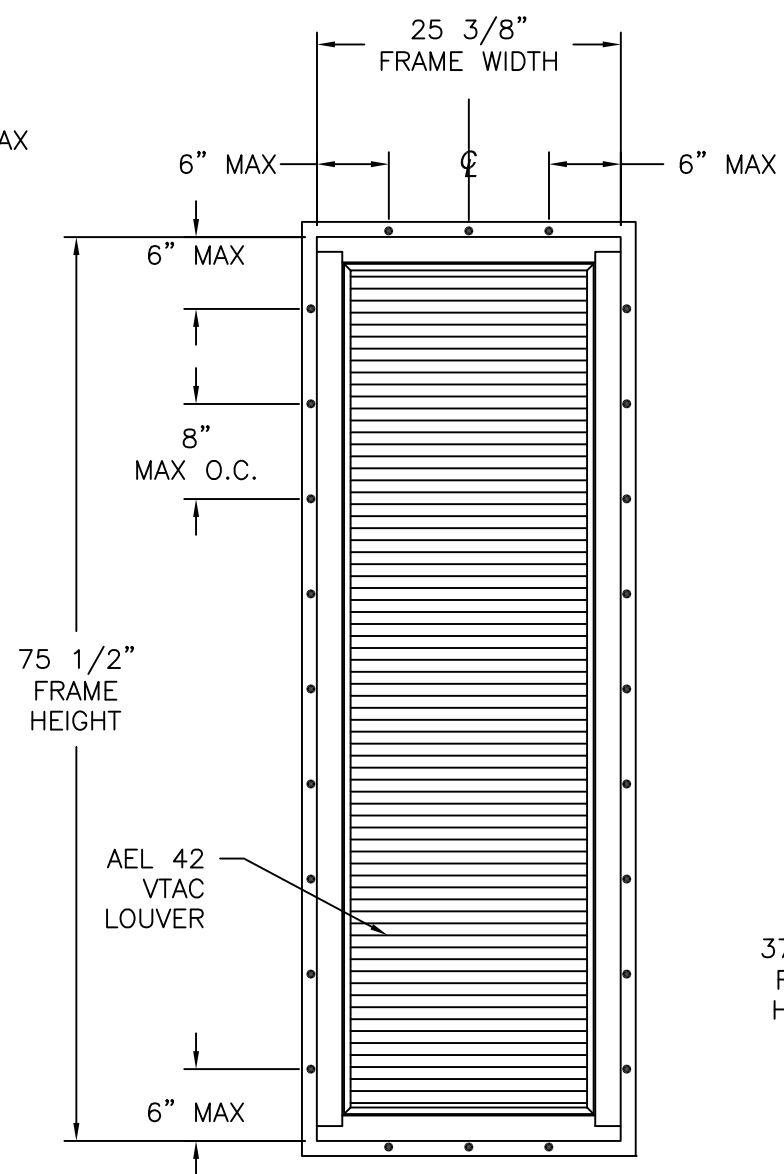
Luis R. Lomas P.E.

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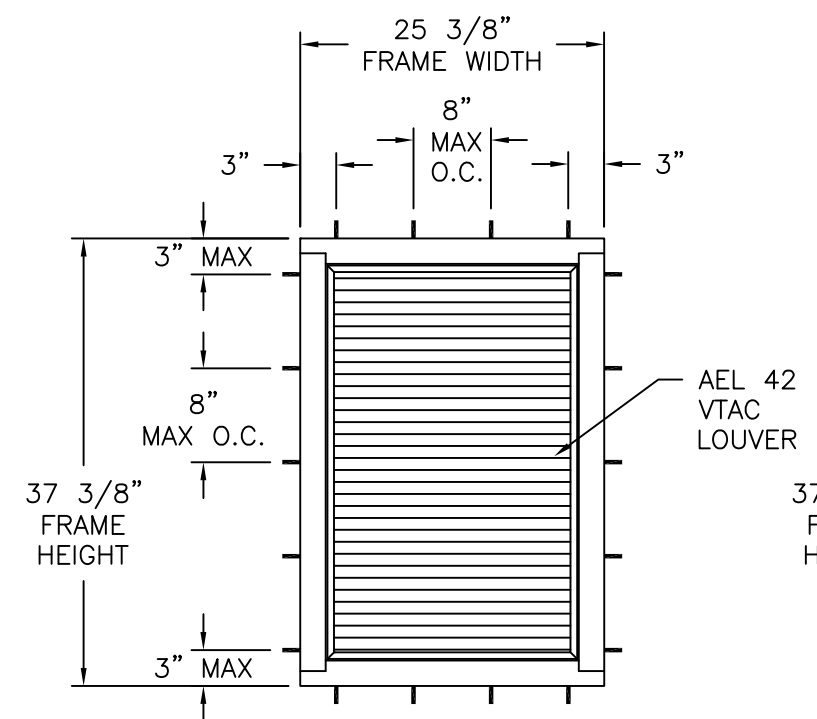
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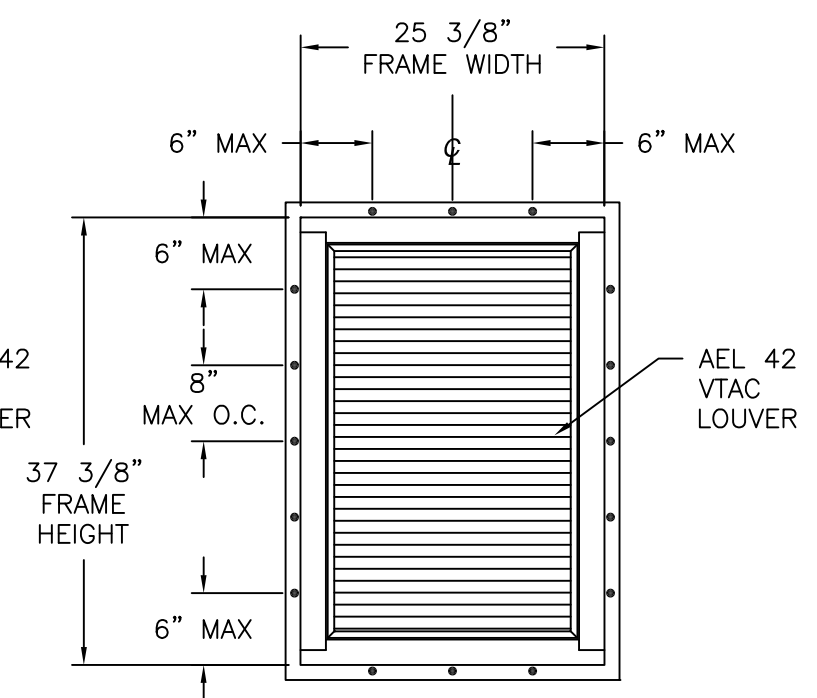
4500 FIXED FRAME WITH LOUVER
EXTERIOR VIEW
CLIP INSTALLATION



4500 FIXED FRAME WITH LOUVER
EXTERIOR VIEW
FIN INSTALLATION



4500 FIXED FRAME WITH LOUVER
EXTERIOR VIEW
CLIP INSTALLATION



4500 FIXED FRAME WITH LOUVER
EXTERIOR VIEW
FIN INSTALLATION

CHART #1
Rating chart (psf)

Frame Height (in)	Frame width (in)							
	24.0	25.4	30.0	36.0	42.0	44.0	54.0	60.0
24.0	90.0	90.0	90.0	90.0	90.0	90.0	88.7	79.8
30.0	90.0	90.0	90.0	90.0	90.0	87.1	71.0	63.9
36.0	90.0	90.0	90.0	88.7	76.0	72.6	-	-
37.4	90.0	90.0	90.0	85.4	73.2	69.9	-	-
42.0	90.0	90.0	90.0	76.0	65.2	62.2	-	-
48.0	90.0	90.0	79.8	66.5	-	-	-	-
54.0	88.7	83.9	71.0	-	-	-	-	-
60.0	79.8	75.5	63.9	-	-	-	-	-
66.0	72.6	68.6	-	-	-	-	-	-
72.0	66.5	62.9	-	-	-	-	-	-
75.5	63.4	60.0	-	-	-	-	-	-
78.0	61.4	-	-	-	-	-	-	-

Where water penetration resistance is not required

DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	NONE

WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED
FOR OTHER SIZES RATINGS SEE CHART #1 THIS SHEET

WOJAN WINDOW & DOOR CORPORATION

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CHARLEVOIX, MI 49720

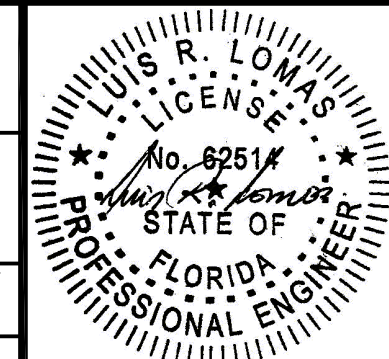
4500 FIXED FRAME WITH LOUVER
NON-IMPACT
ELEVATIONS

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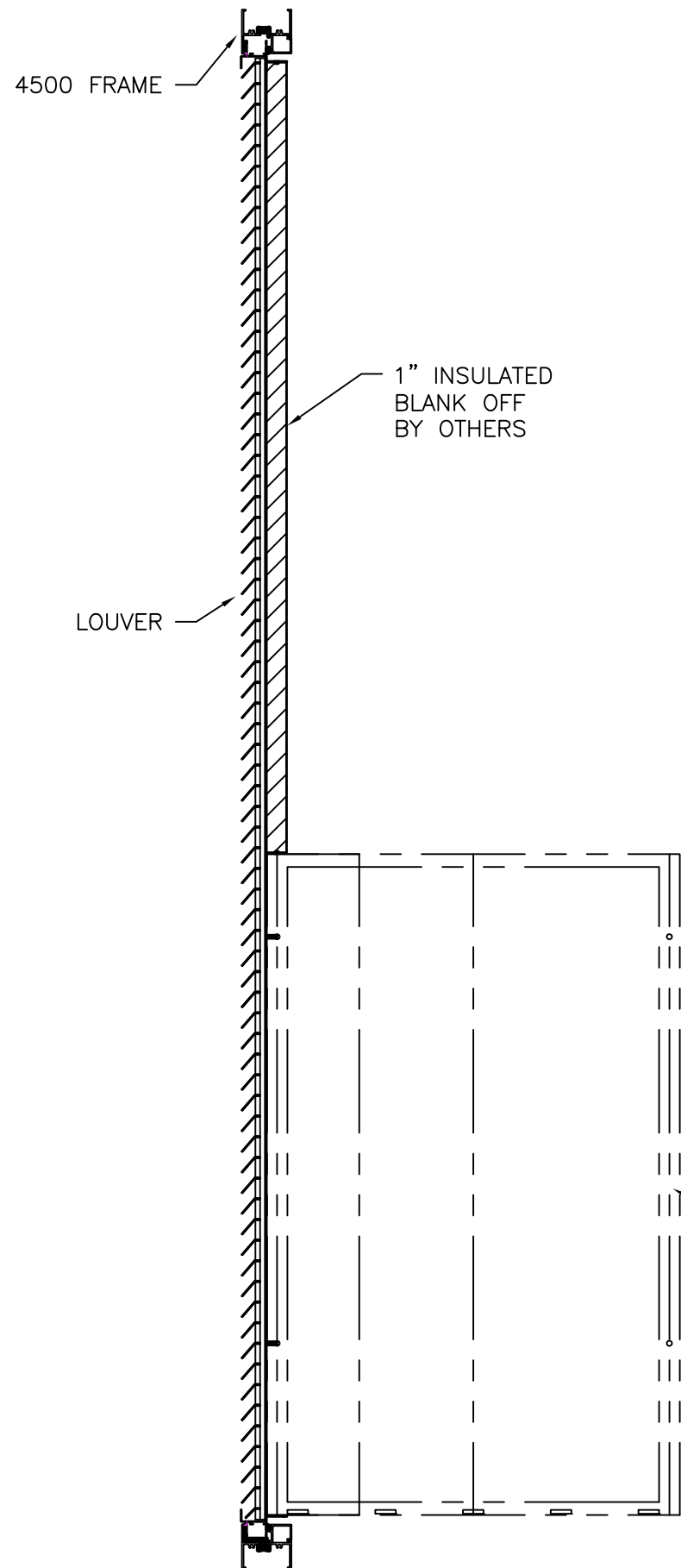
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NTS	02/27/2025	2 OF 10

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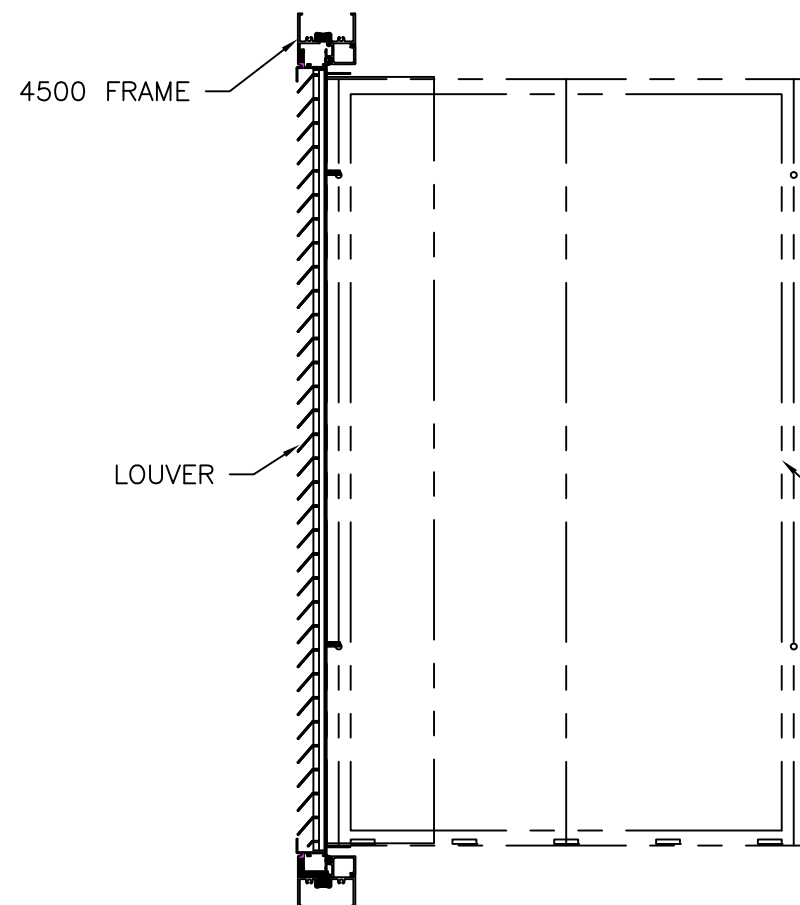
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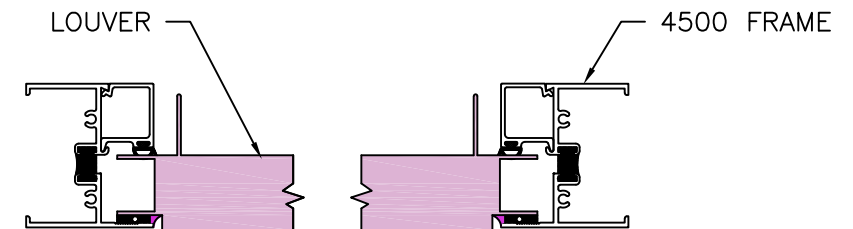
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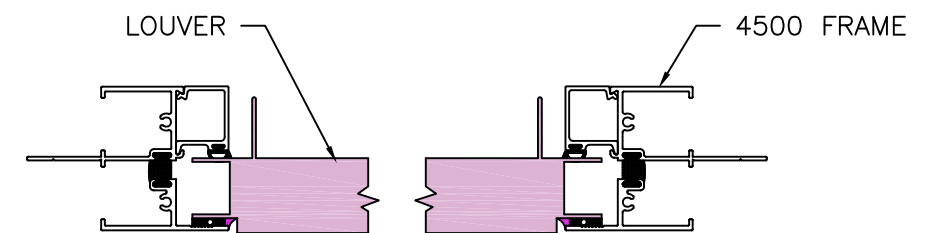
VERTICAL CROSS SECTION
WITH A/C UNIT & INSULATED PANEL



VERTICAL CROSS SECTION
WITH A/C UNIT



HORIZONTAL CROSS SECTION
CLIP INSTALLATION



HORIZONTAL CROSS SECTION
FIN INSTALLATION

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4500 FIXED FRAME WITH LOUVER
NON-IMPACT
CROSS SECTIONS

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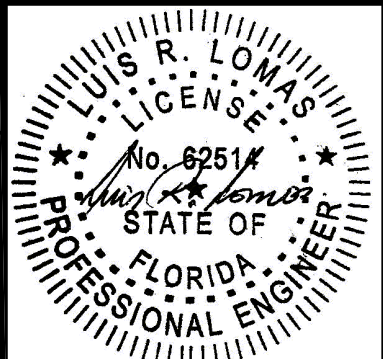
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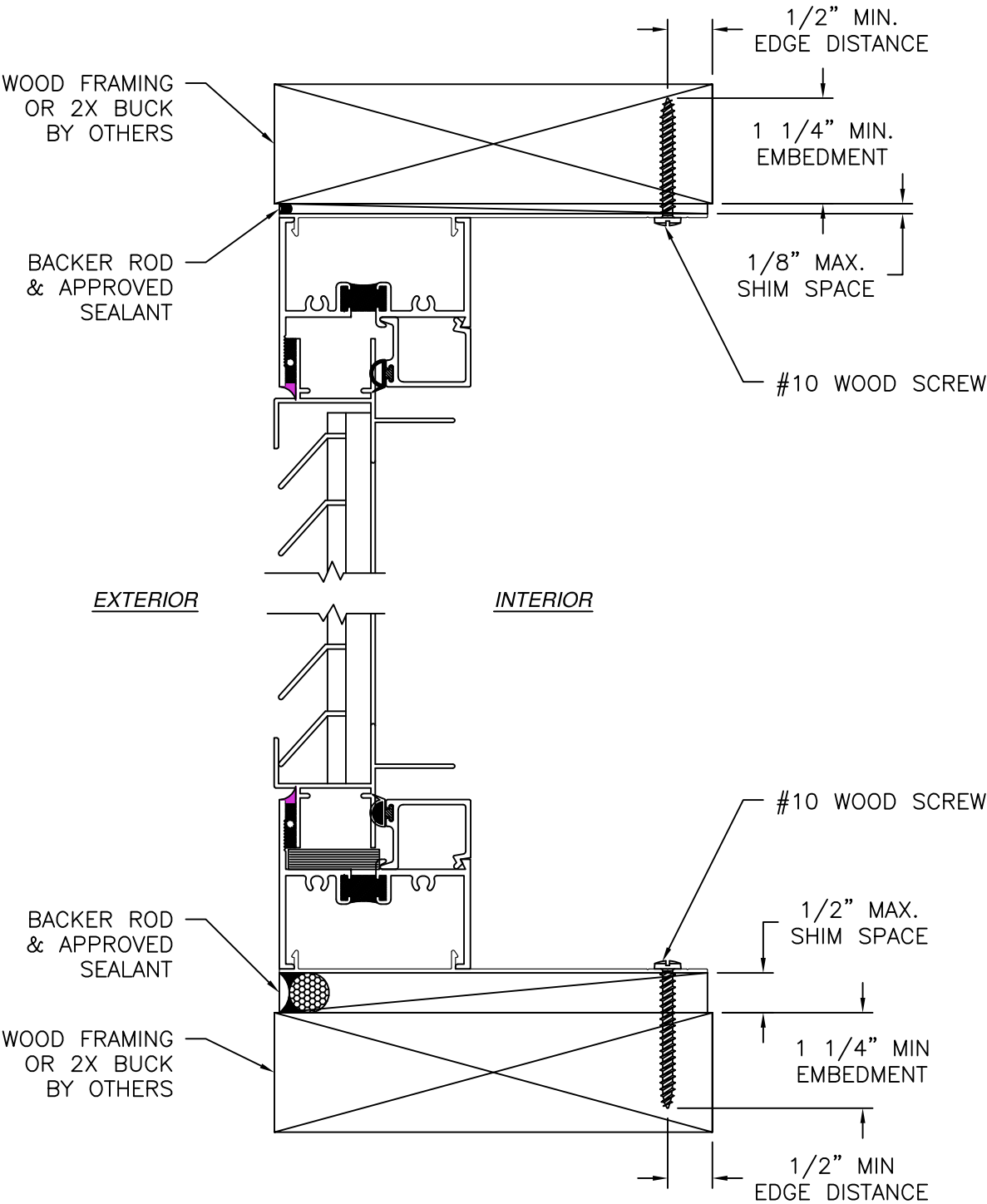
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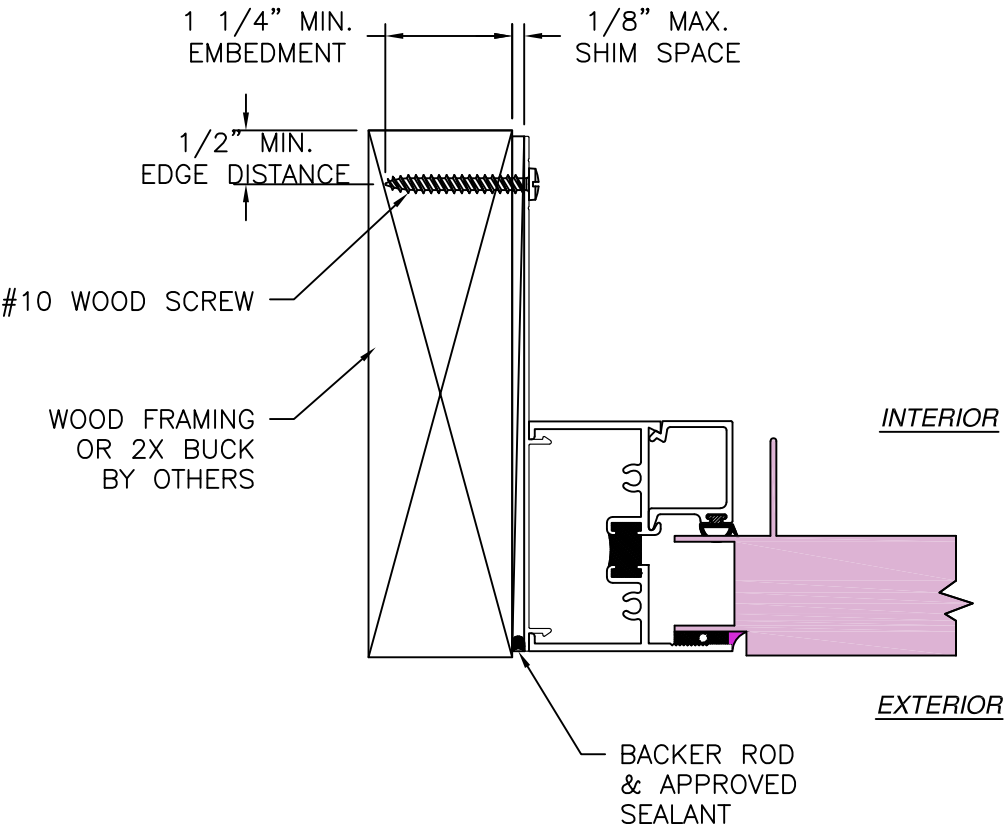


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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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217 STOVER ROAD

CHARLEVOIX, MI 49720

4500 FIXED FRAME WITH LOUVER

NON-IMPACT

INSTALLATION DETAILS

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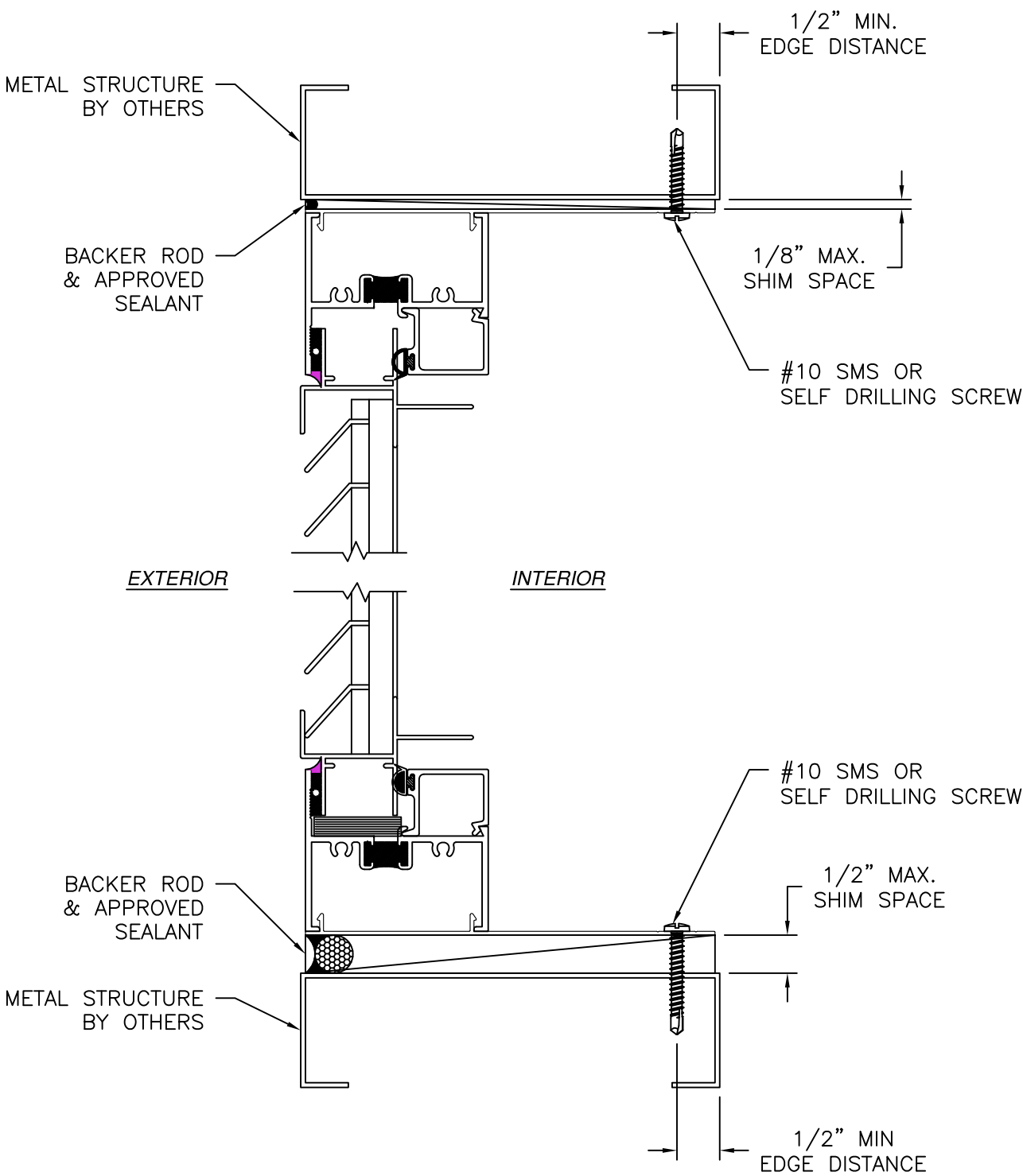
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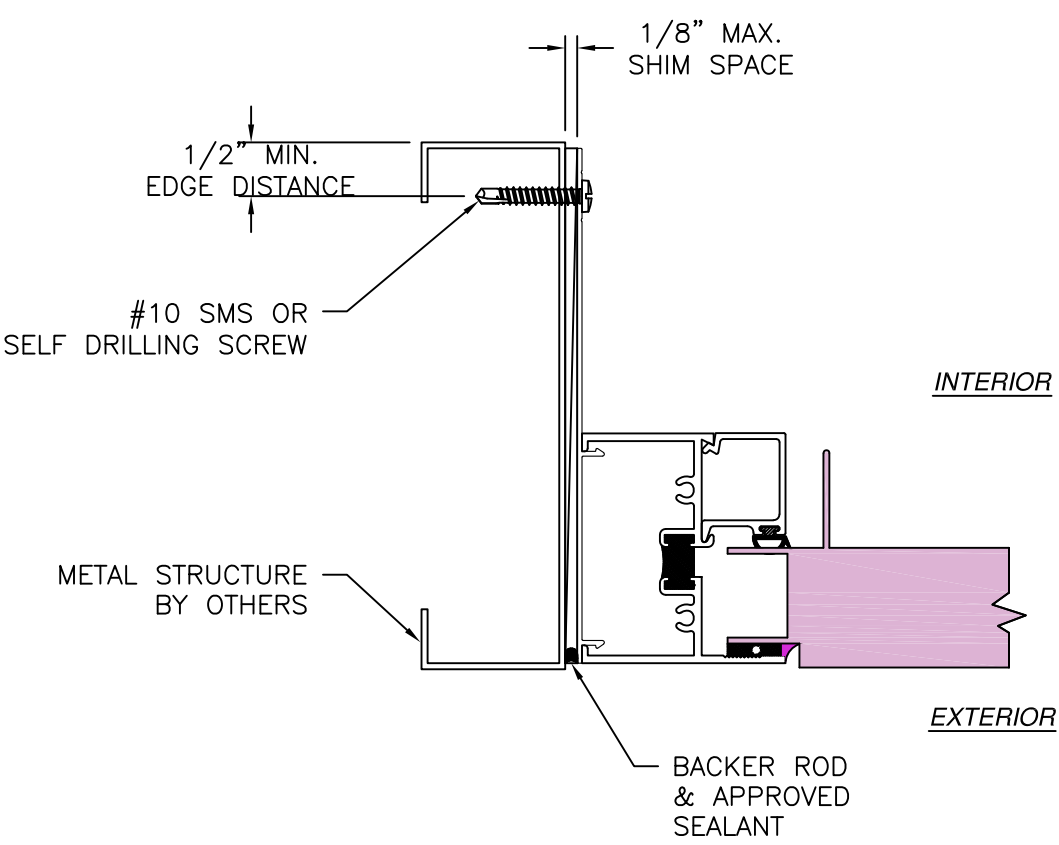
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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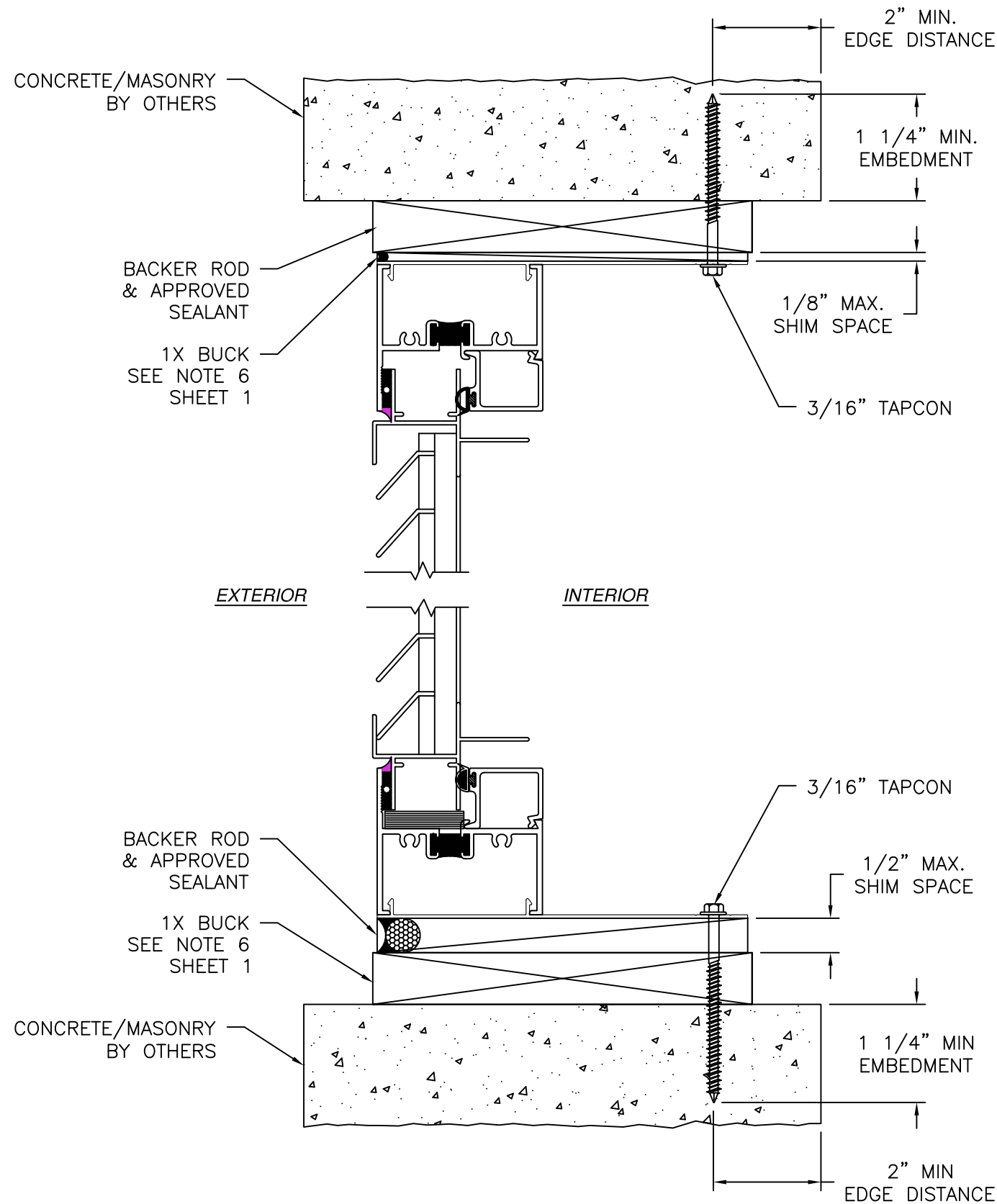
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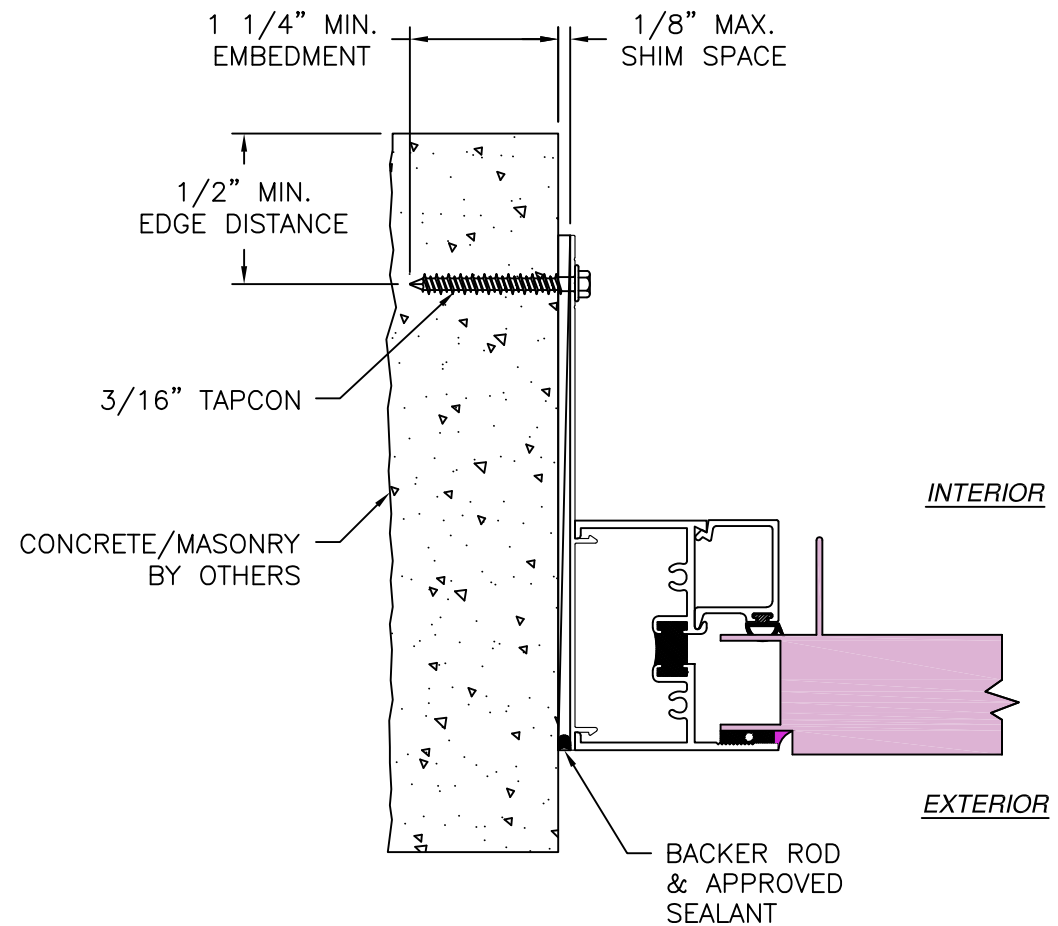
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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL



JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

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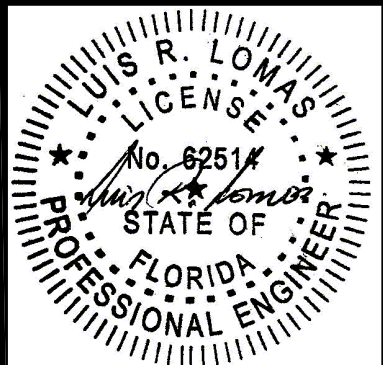
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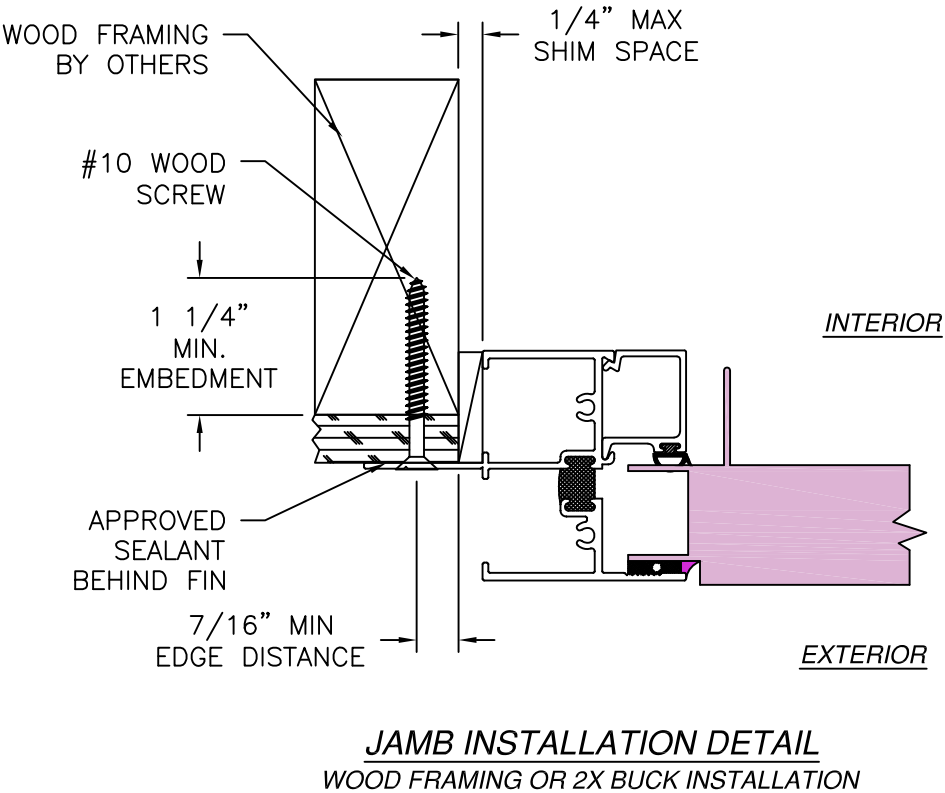
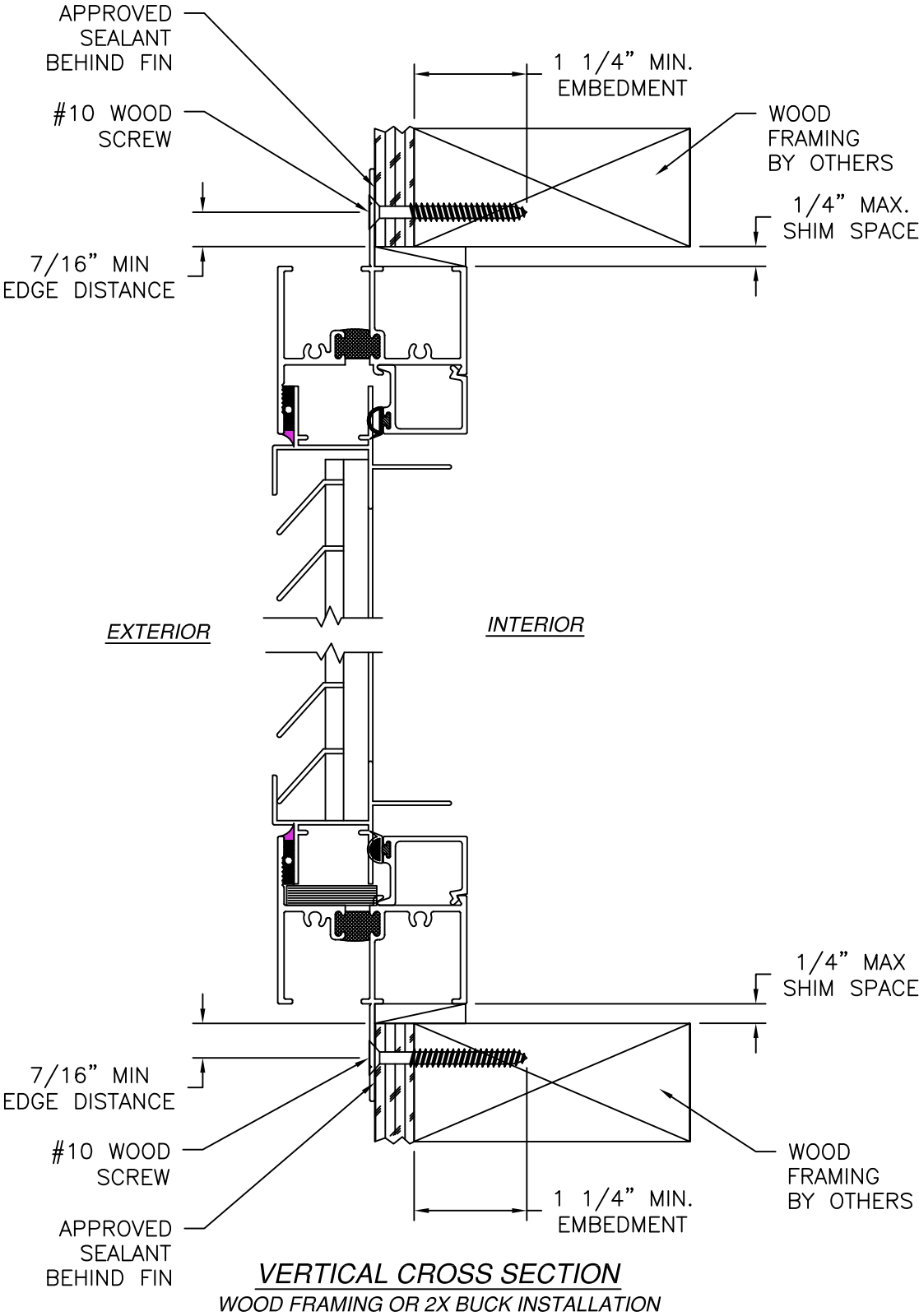
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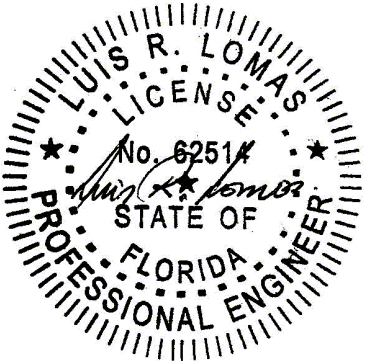
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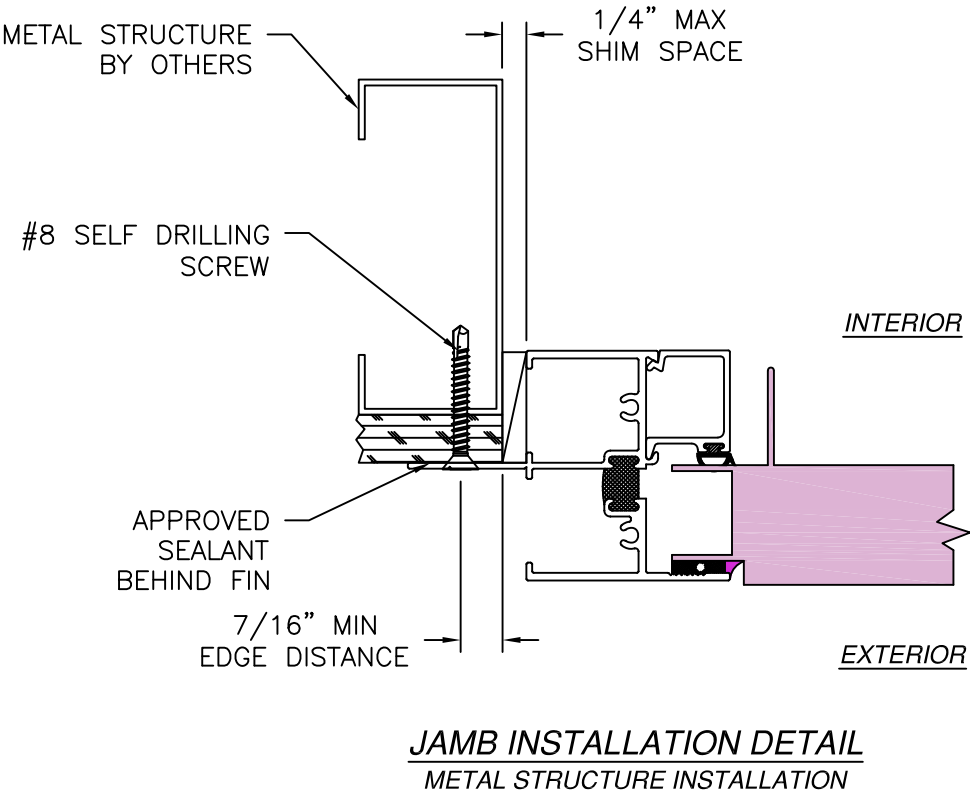
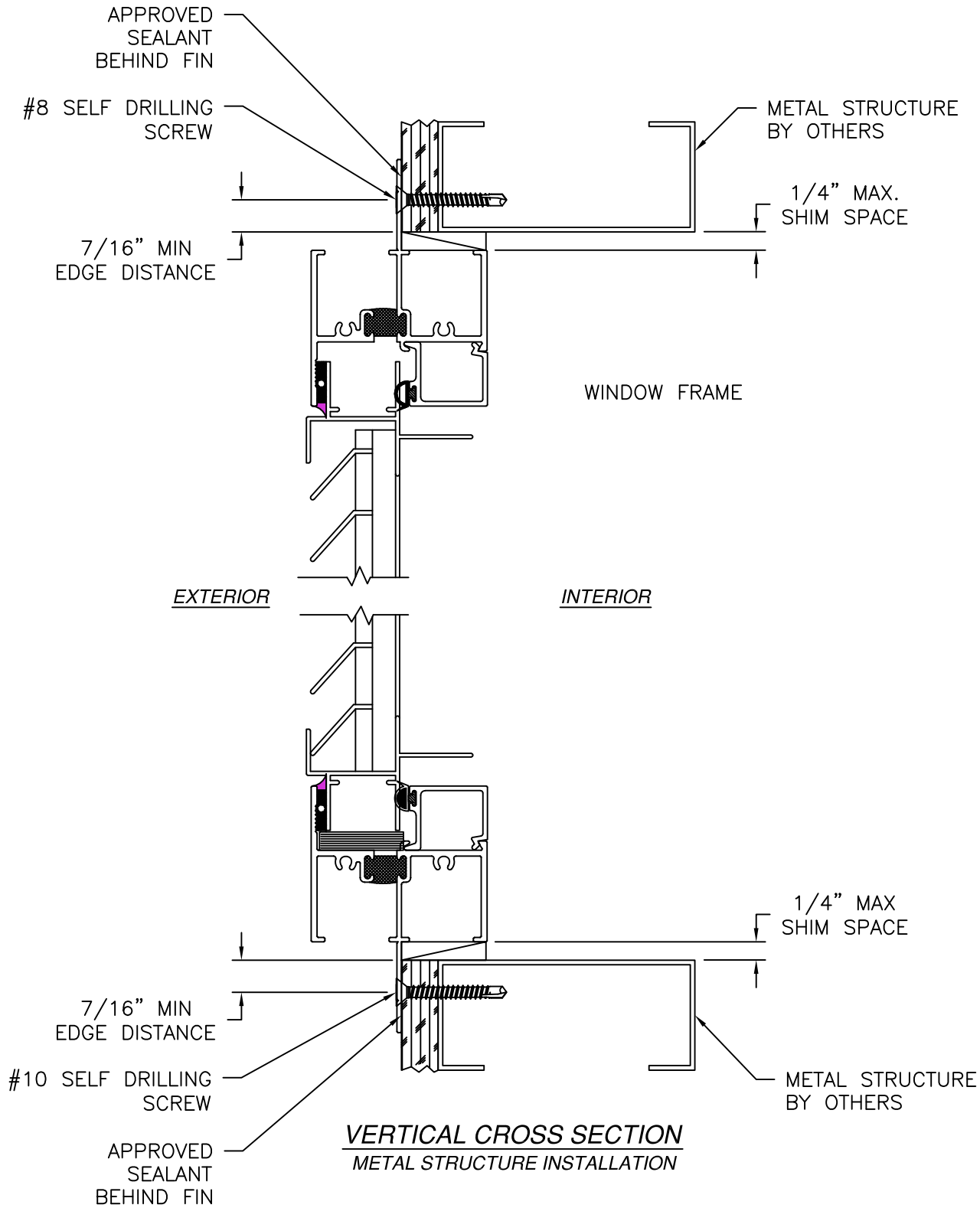
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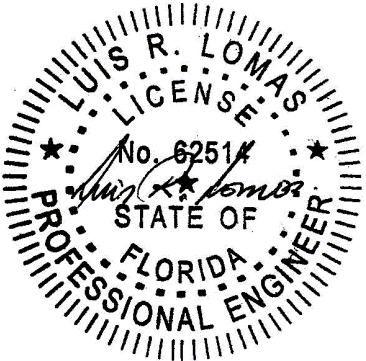
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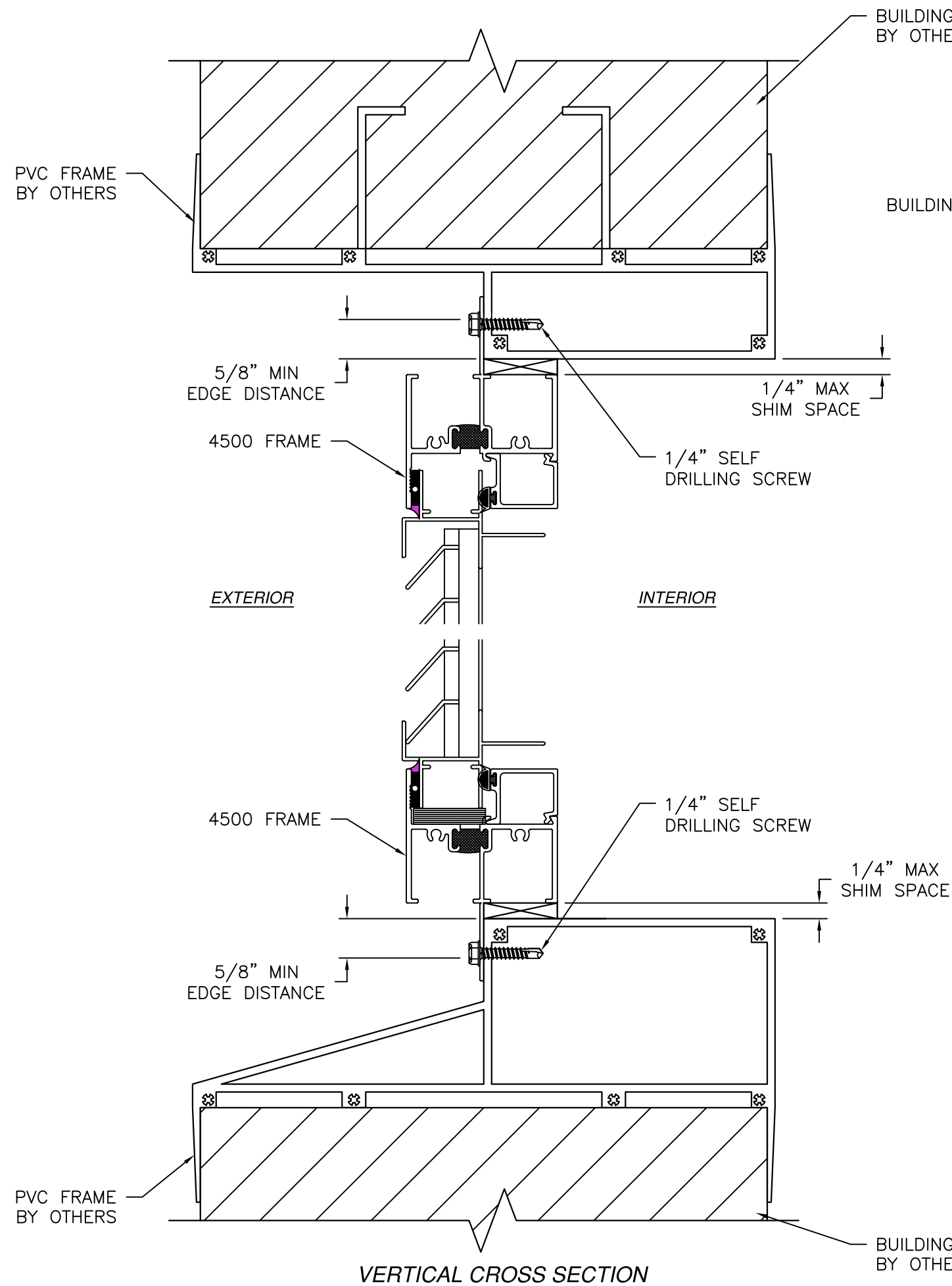
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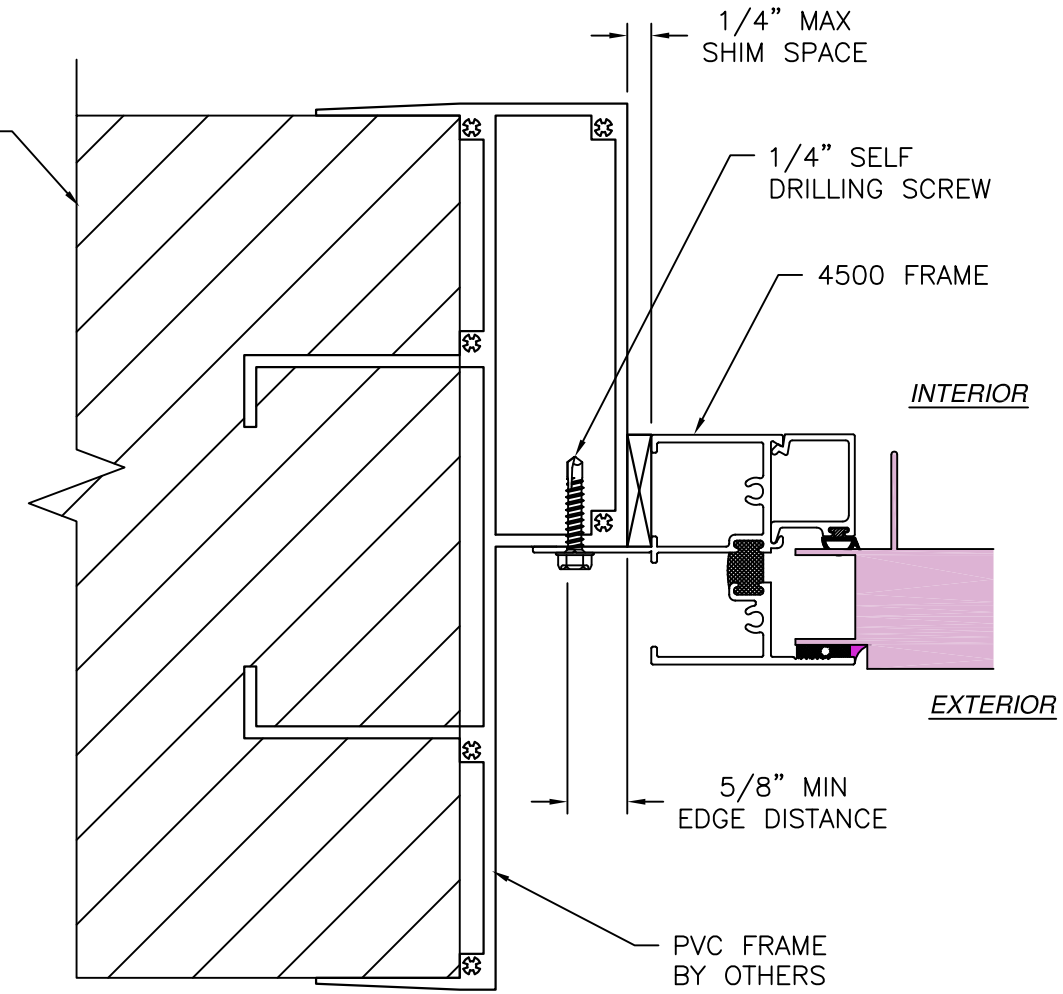


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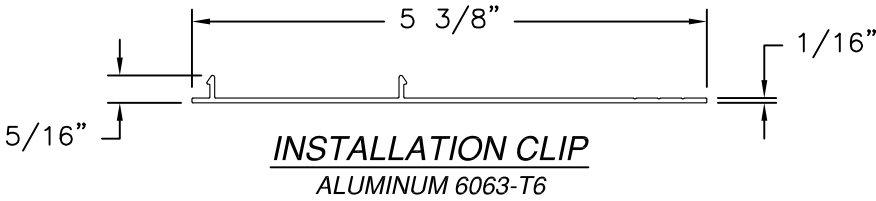
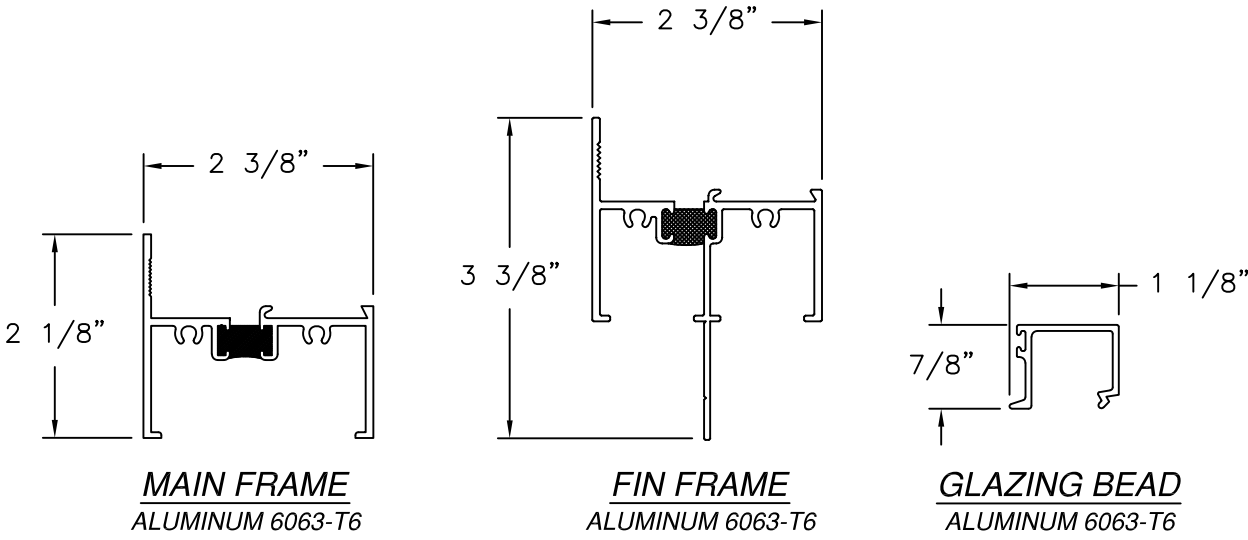
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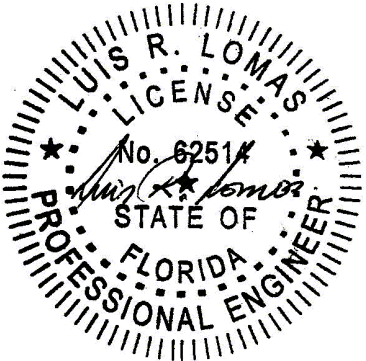
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