

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW CODE	08/17/2023	R.L.

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 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 WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. 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".
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 RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 3 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. 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.
15. 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.
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:

17.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

17.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.

17.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

17.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM

SIGNED: 10/26/2023

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1	NOTES
2	ELEVATIONS
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LAS ENTERPRISES
2413 L & A ROAD
METAIRIE, LA 70001

SERIES 4500 FIXED CASEMENT VINYL WINDOW
36" X 72" IMPACT – HVHZ
NOTES

DRAWN:
V.L.

DWG NO.
08-02307

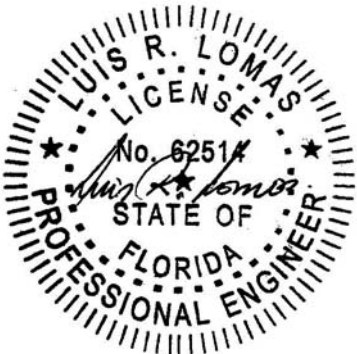
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SCALE NTS

DATE 02/07/14

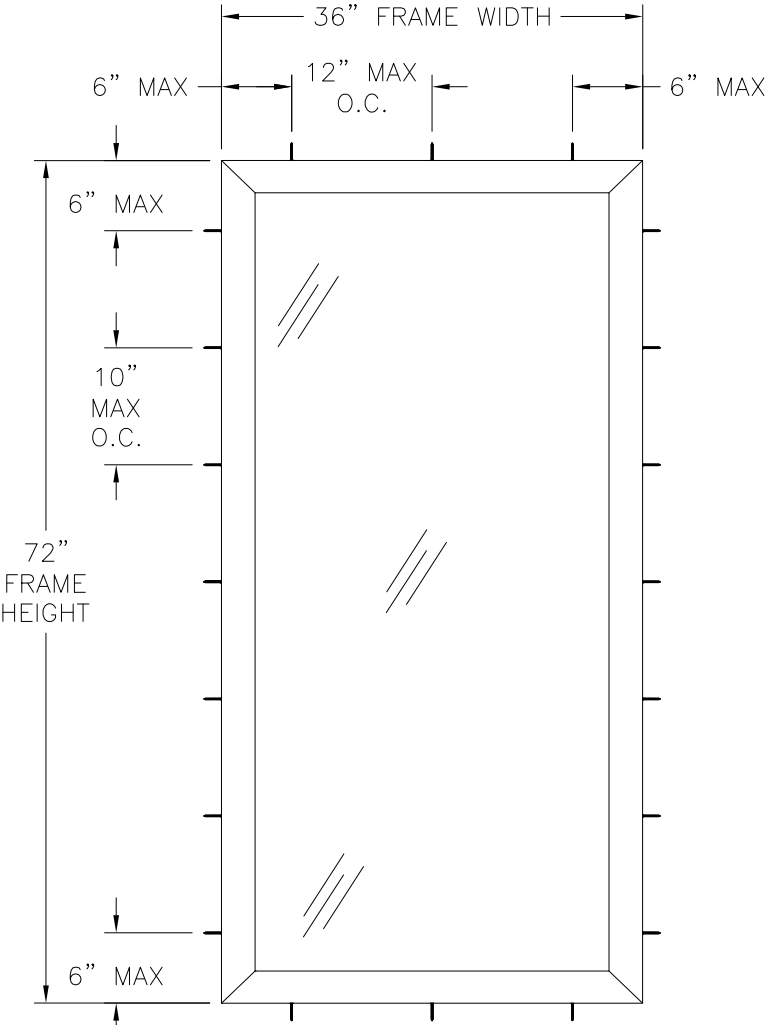
SHEET 1 OF 8

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

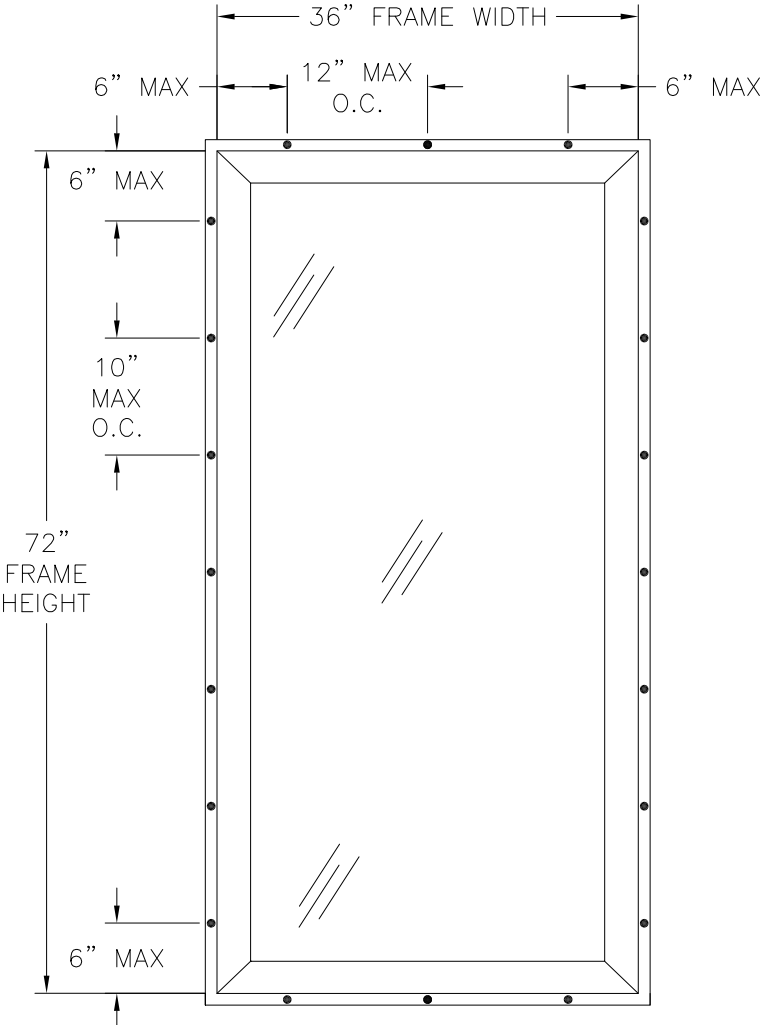


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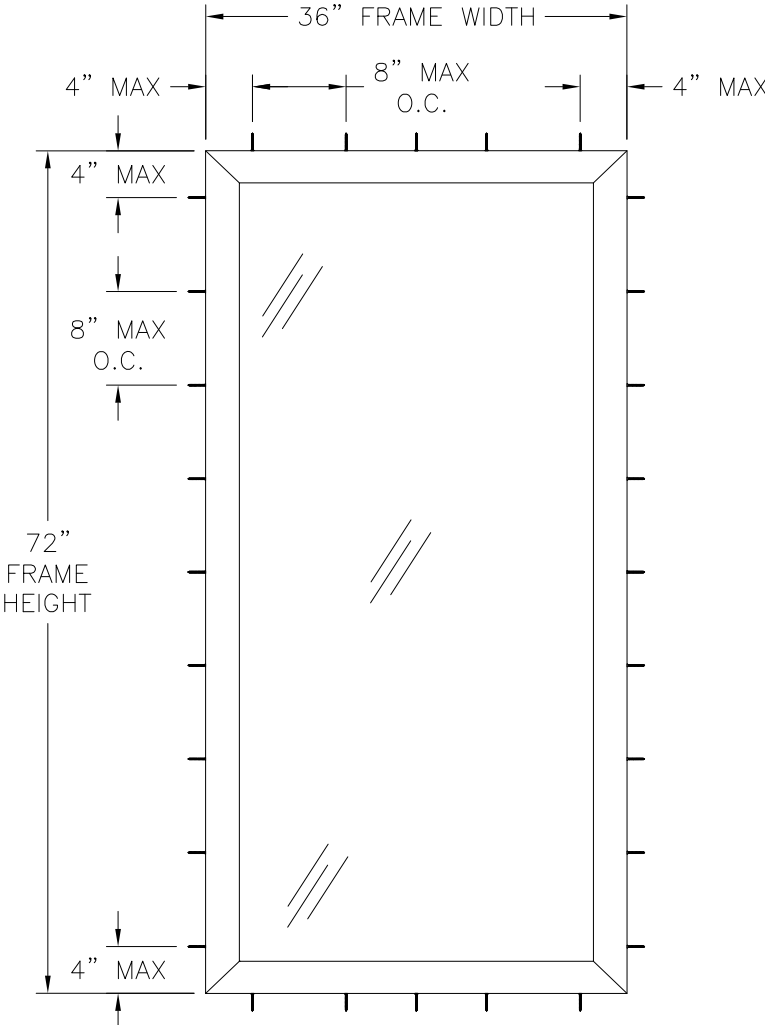
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SERIES 4500 FIXED CASEMENT VINYL WINDOW
FRAME INSTALLATION
EXTERIOR VIEW



SERIES 4500 FIXED CASEMENT VINYL WINDOW
FIN INSTALLATION
EXTERIOR VIEW



SERIES 4500 FIXED CASEMENT VINYL WINDOW
STRAP INSTALLATION
EXTERIOR VIEW

NOTES:
1. D.L.O.: 29 3/4" x 65 13/16"

DESIGN PRESSURE RATING	IMPACT RATING
± 50 PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

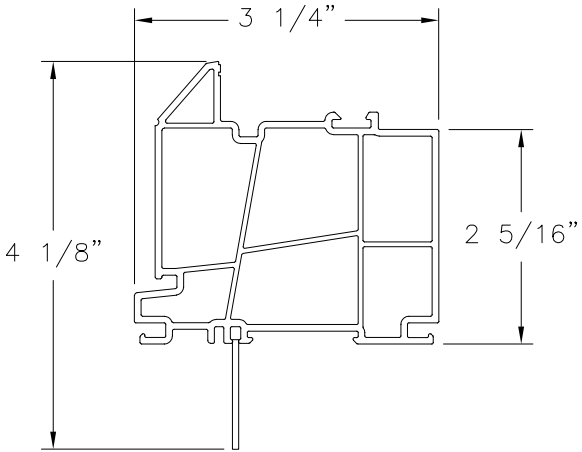
LAS ENTERPRISES 2413 L & A ROAD METAIRIE, LA 70001		
SERIES 4500 FIXED CASEMENT VINYL WINDOW 36" X 72" IMPACT - HVHZ ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-02307	REV B
SCALE NTS	DATE 02/07/14	SHEET 2 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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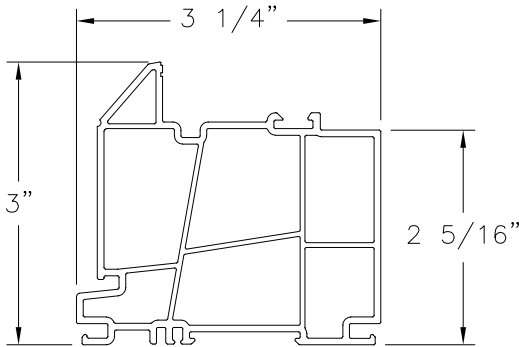


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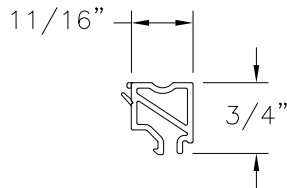
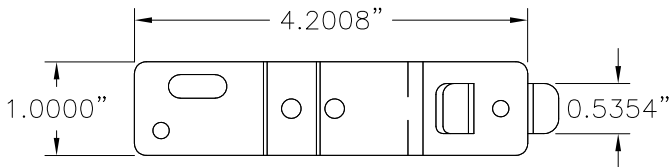
PARTS LIST				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	4509A	FRAME	ENERGI FENESTRATION SOLUTIONS	WHITE PVC
2	4413	GLAZING BEAD	ENERGI FENESTRATION SOLUTIONS	WHITE PVC
3		SETTING BLOCK		80 DUROMETER
4		DOW 995 SEALANT	DOW CORNING	



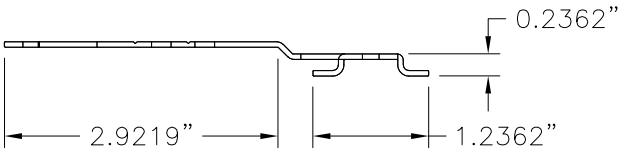
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VINYL PVC .079 THICK



1 **FRAME**
VINYL PVC .079 THICK

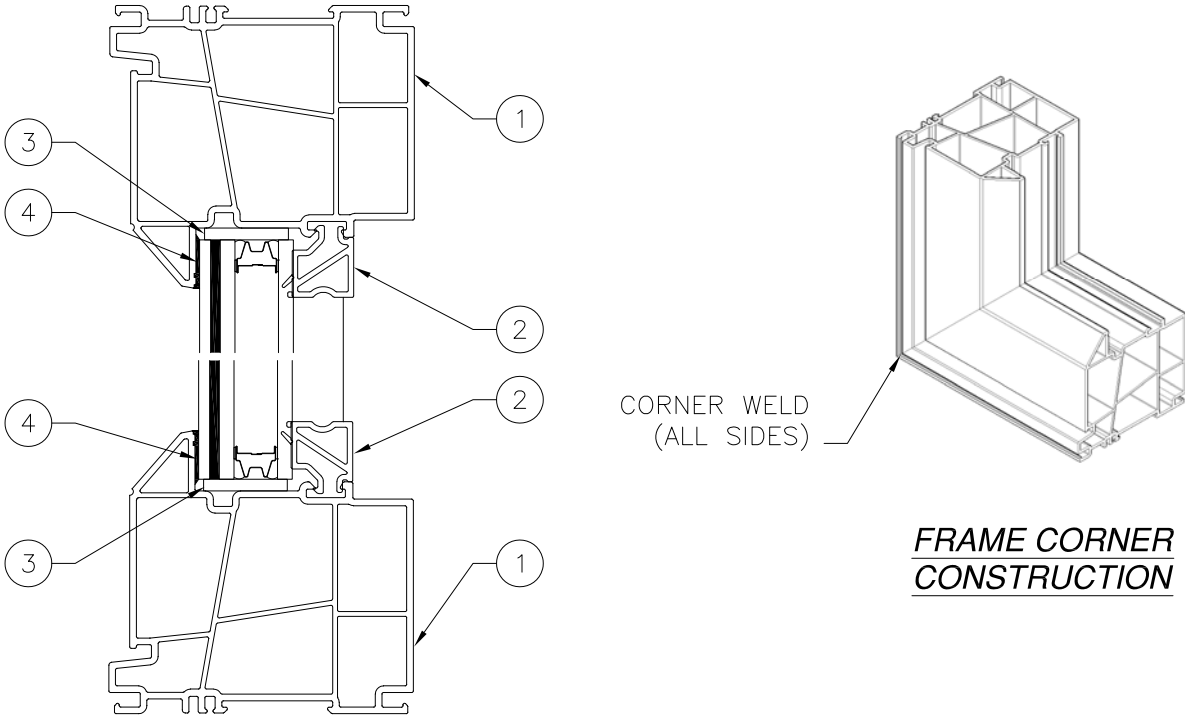


2 **GLAZING BEAD**
VINYL PVC .059 THICK

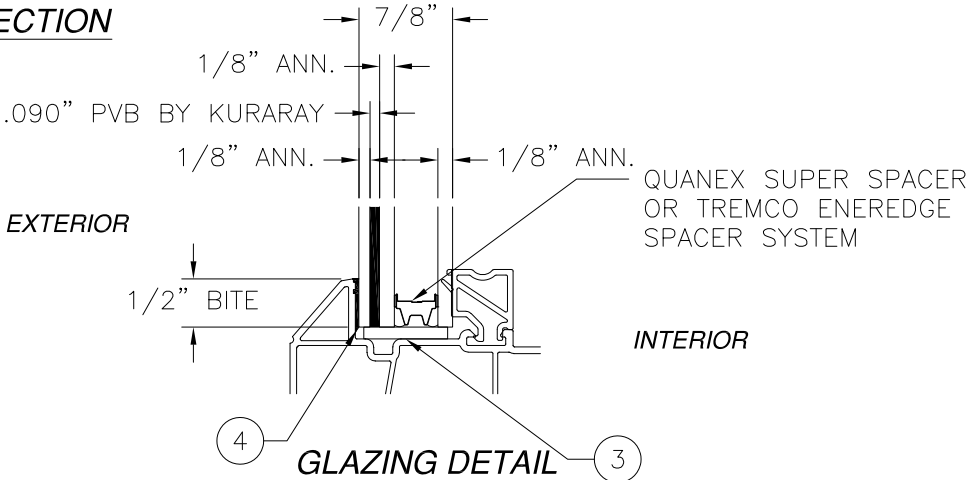


5 **INSTALLATION STRIP**
GALVANIZED STEEL G60 .059" THICK

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VERTICAL SECTION



GLAZING DETAIL

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LAS ENTERPRISES

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METAIRIE, LA 70001

SERIES 4500 FIXED CASEMENT VINYL WINDOW

36" X 72" IMPACT – HVHZ

CROSS SECTION, B.O.M. & COMPONENTS

DRAWN: V.L.

DWG NO. 08-02307

REV B

SCALE NTS

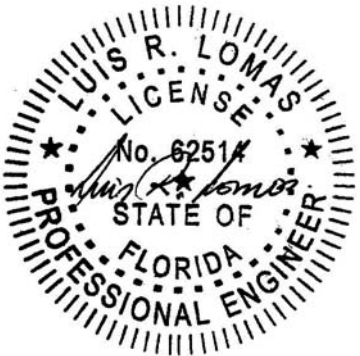
DATE 02/07/14

SHEET 3 OF 8

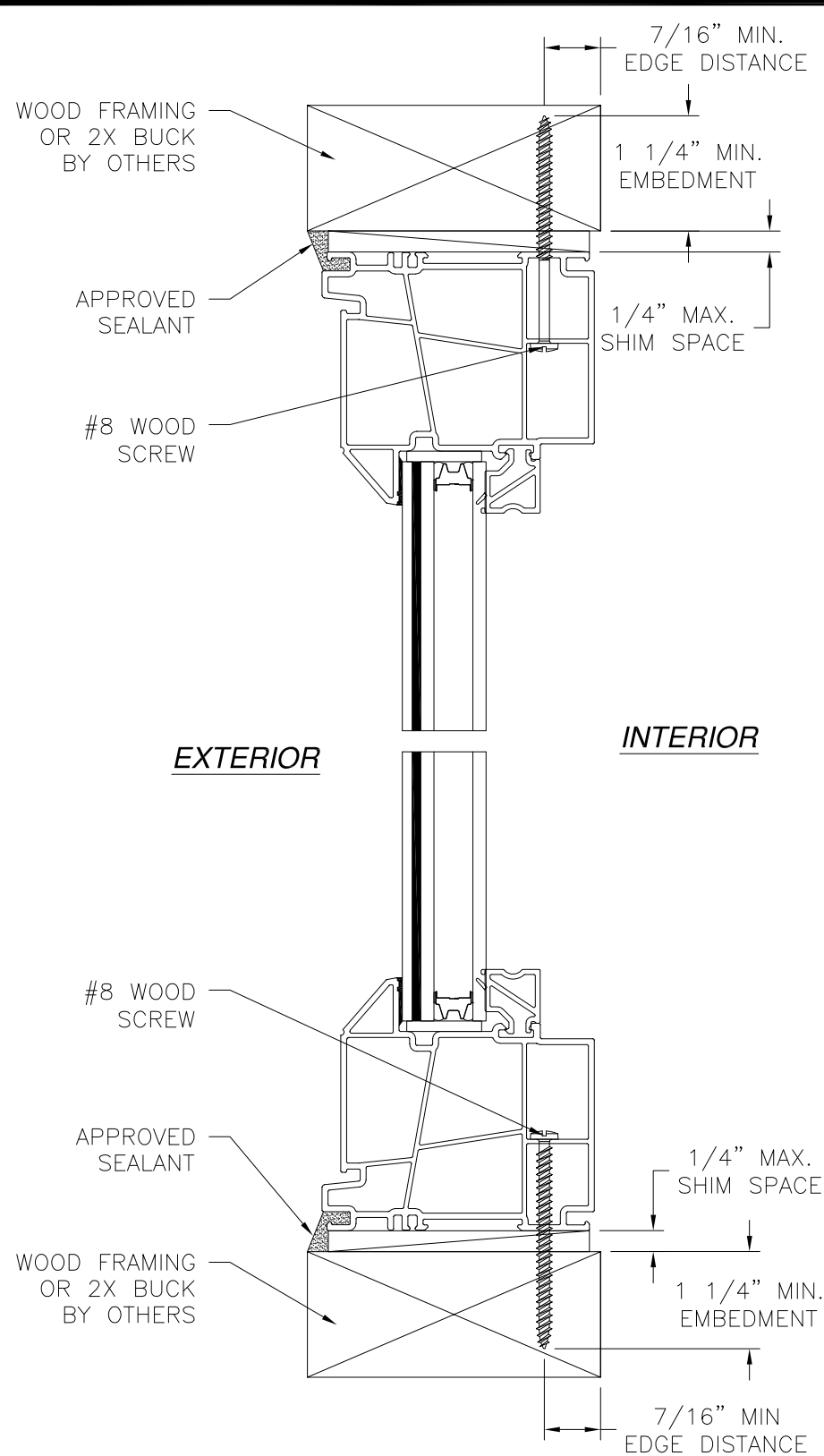
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208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

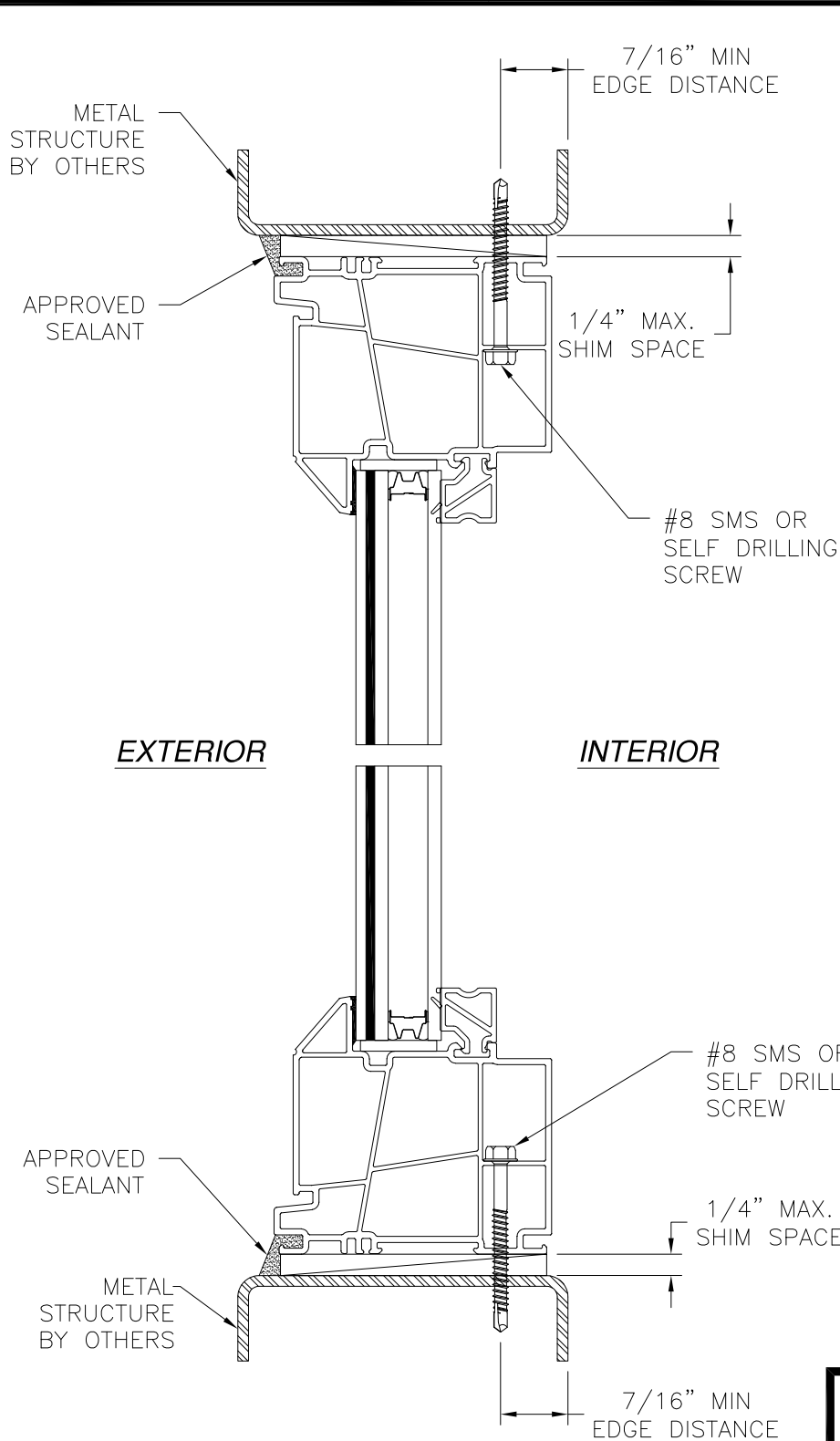


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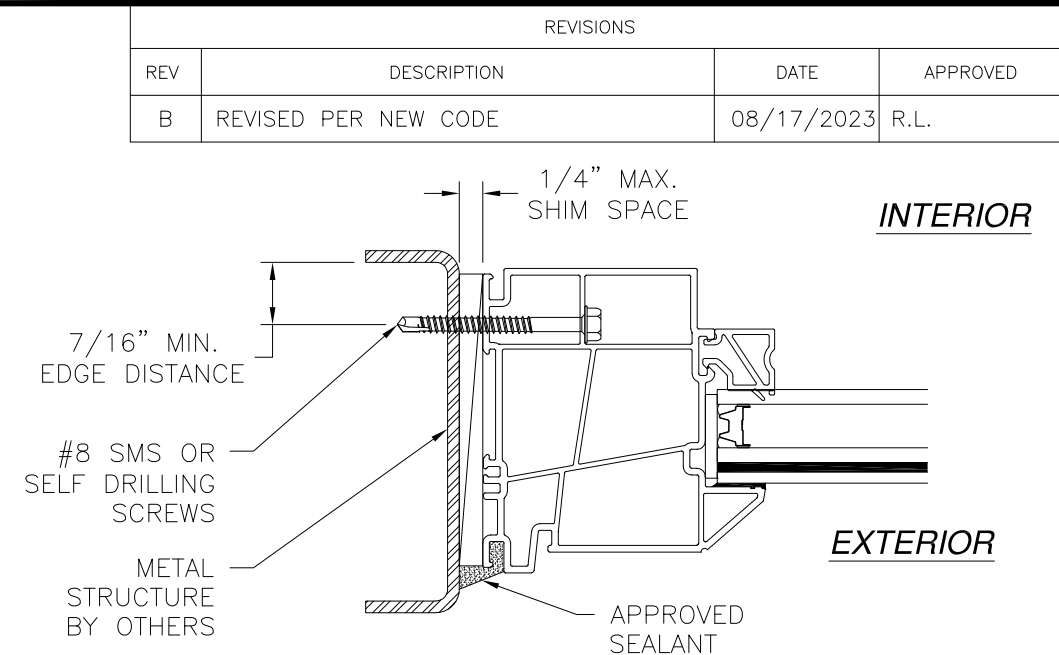


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

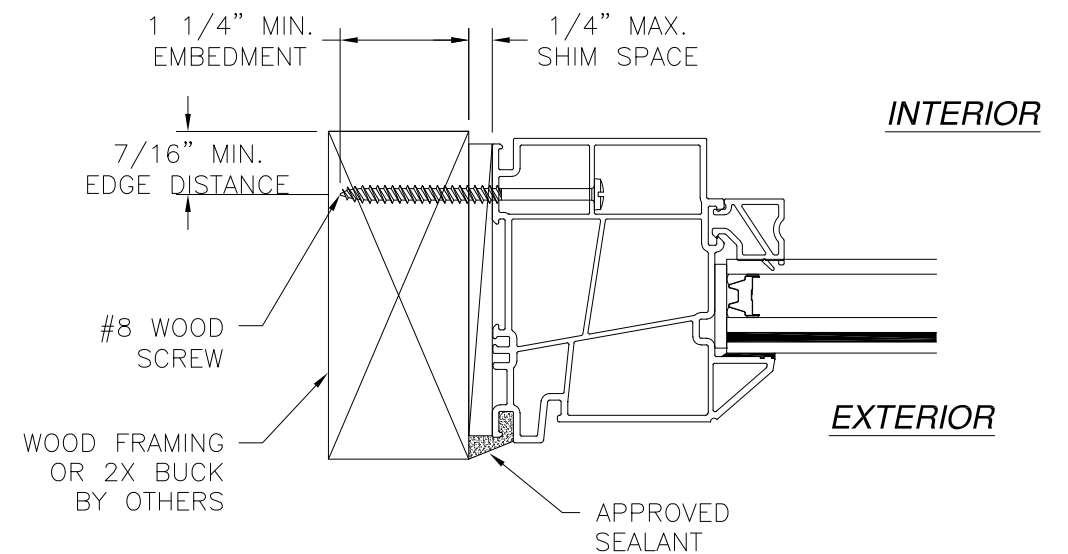
NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



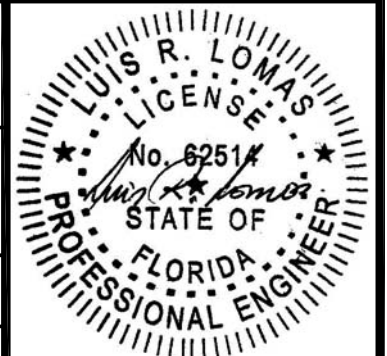
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



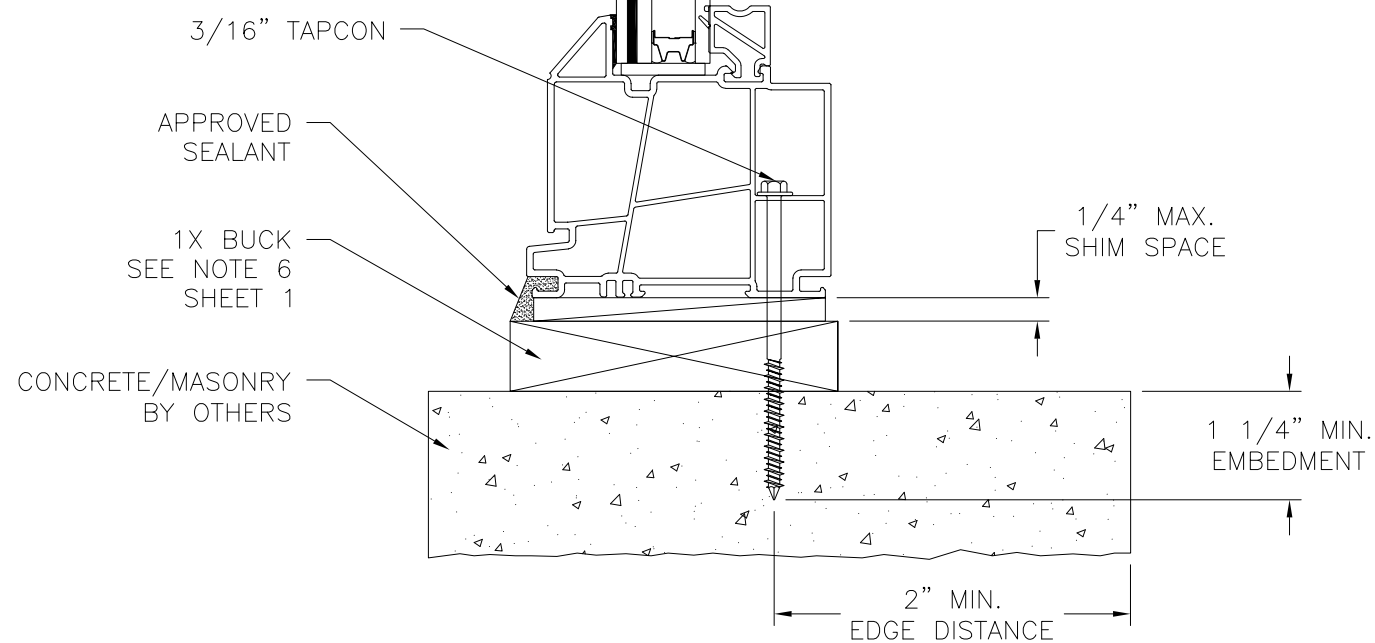
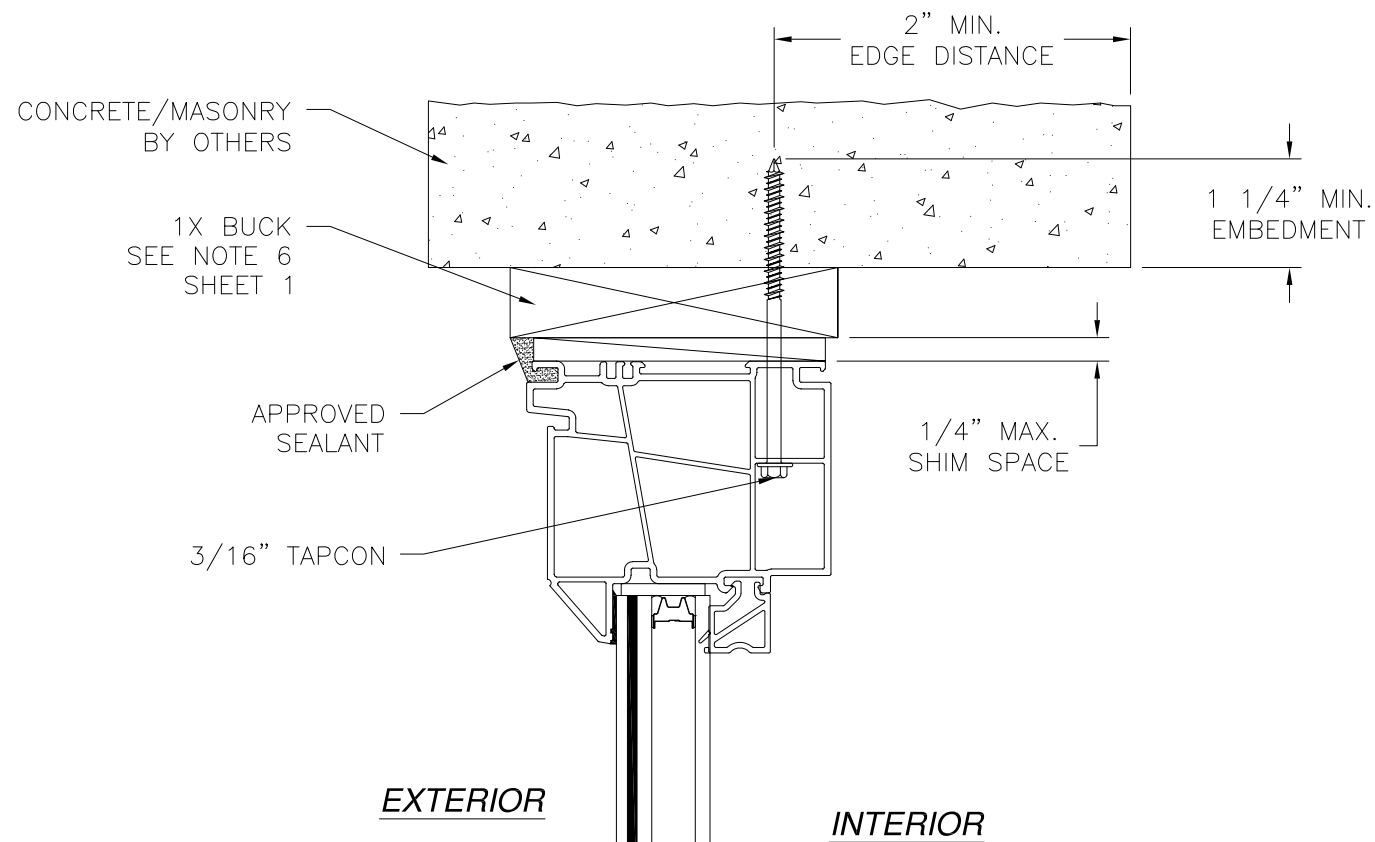
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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LAS ENTERPRISES 2413 L & A ROAD METAIRIE, LA 70001		
SERIES 4500 FIXED CASEMENT VINYL WINDOW 36" X 72" IMPACT - HVHZ FRAME INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02307	REV B
SCALE NTS	DATE 02/07/14	SHEET 4 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

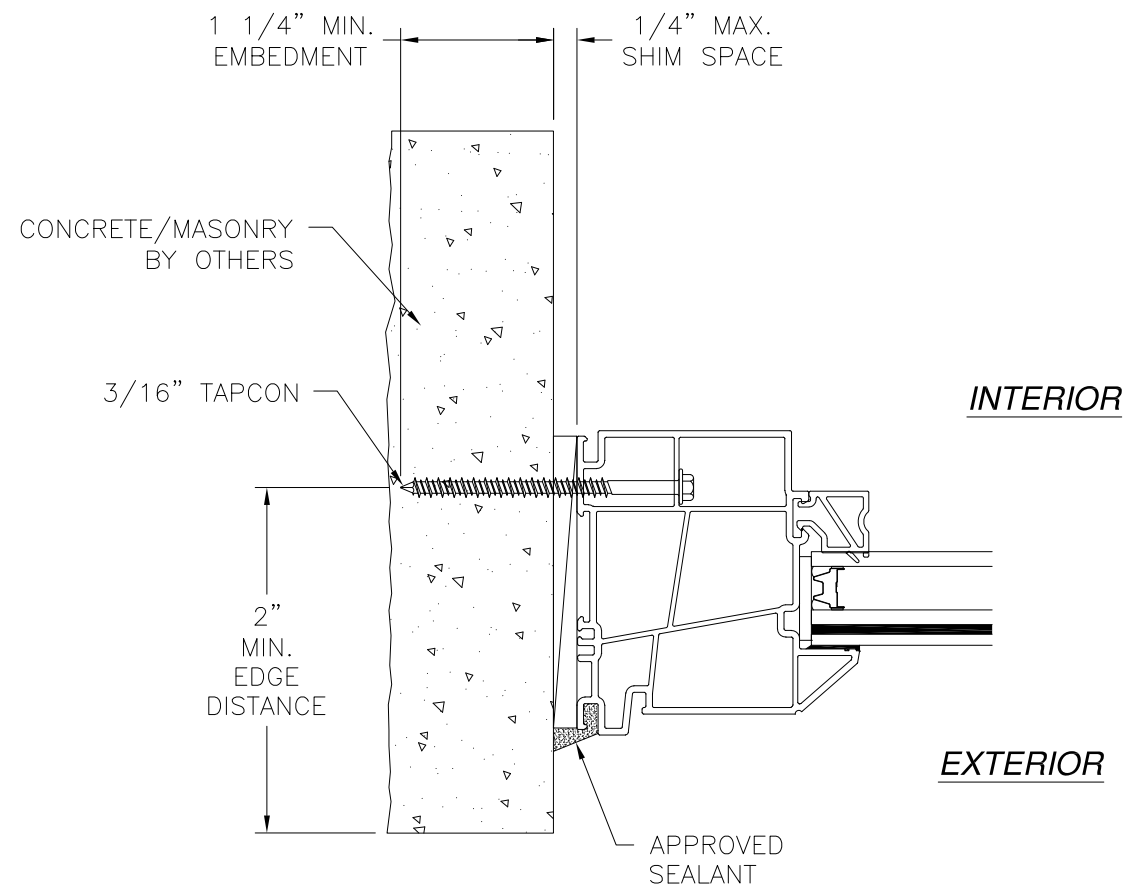


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VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

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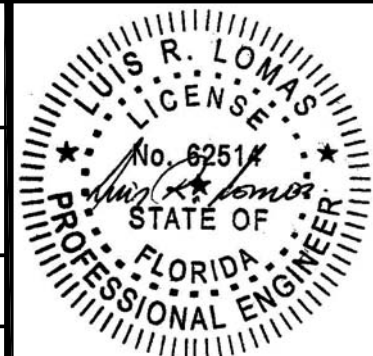


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

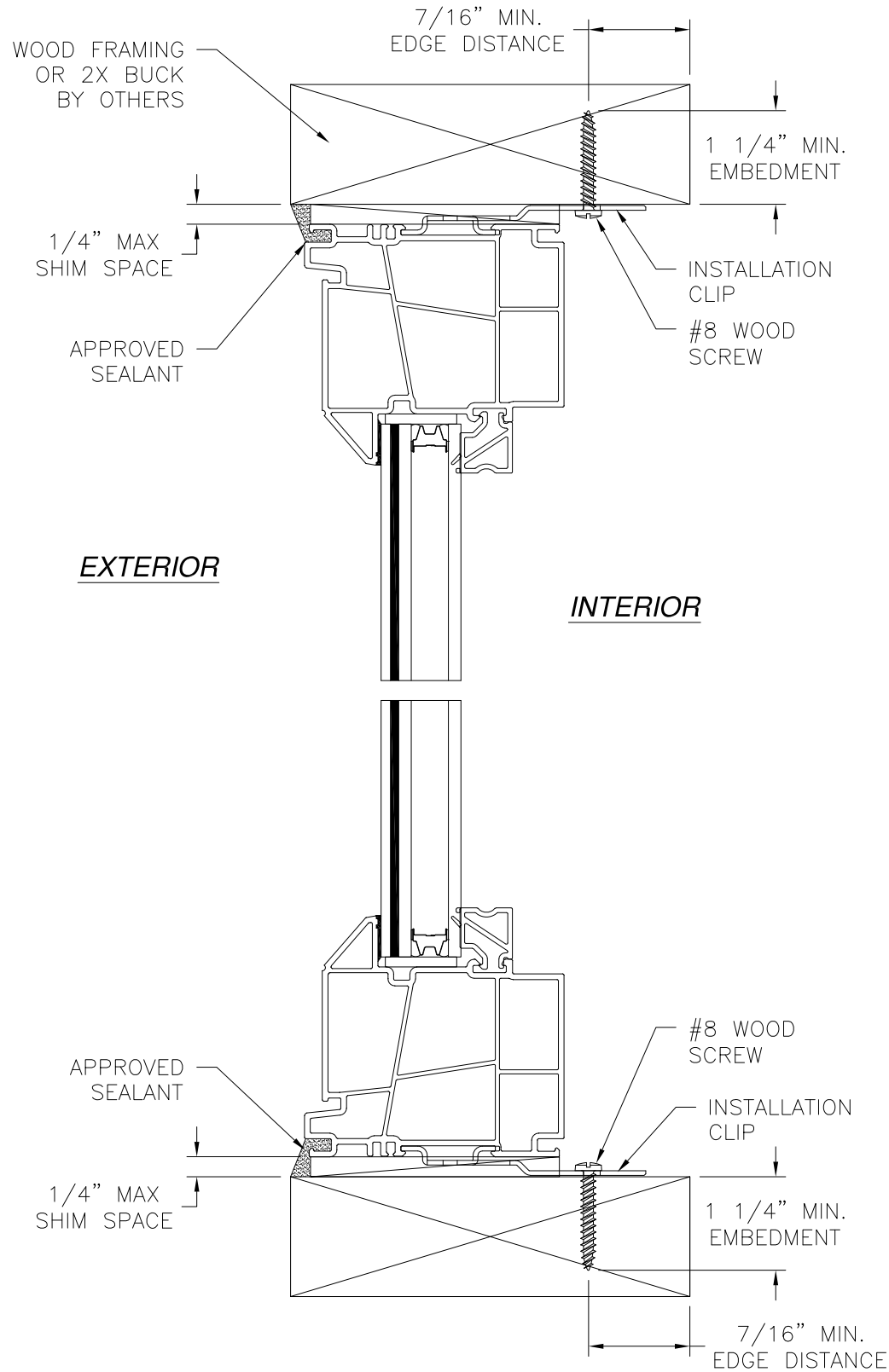
- NOTES:
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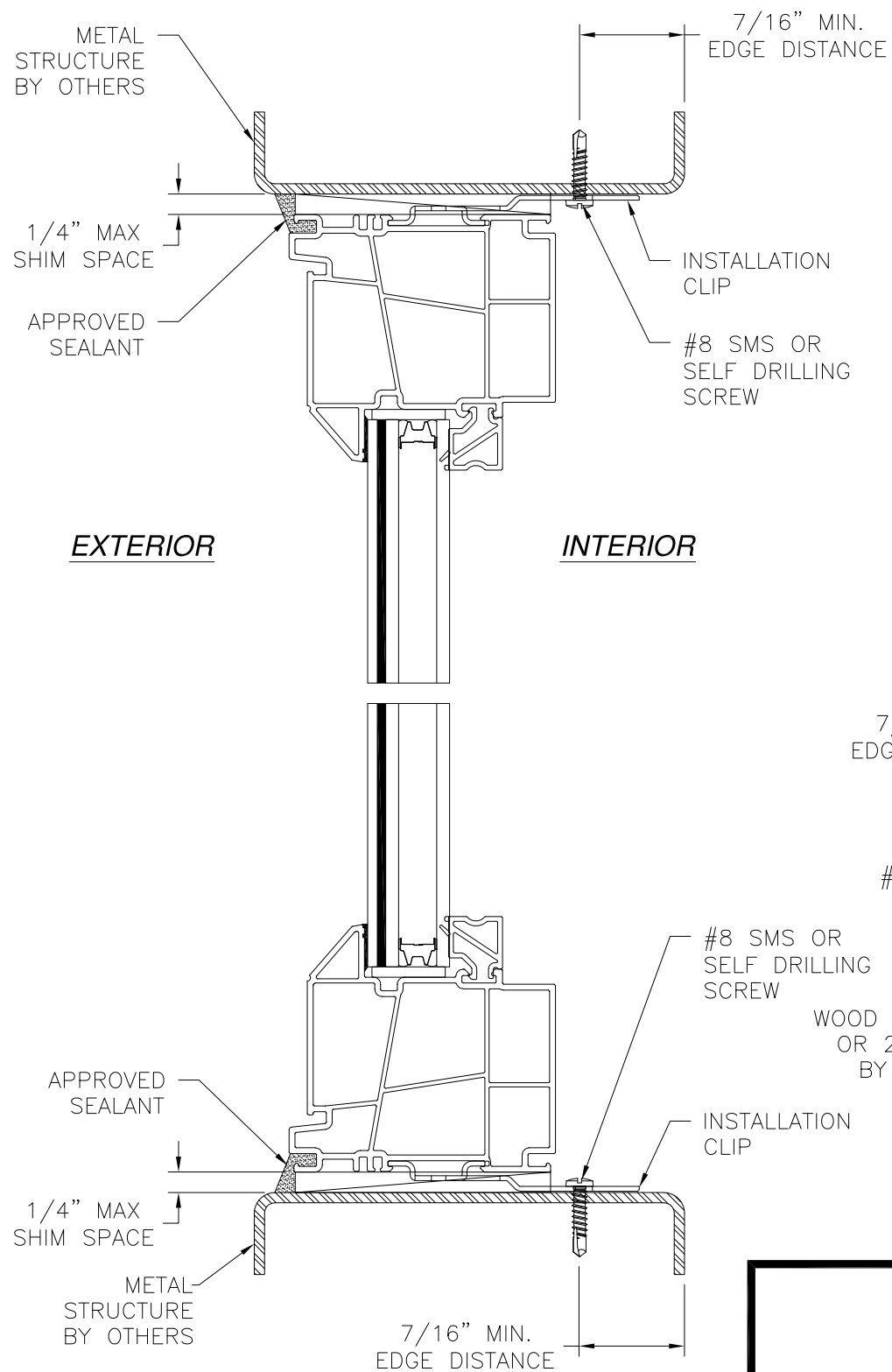


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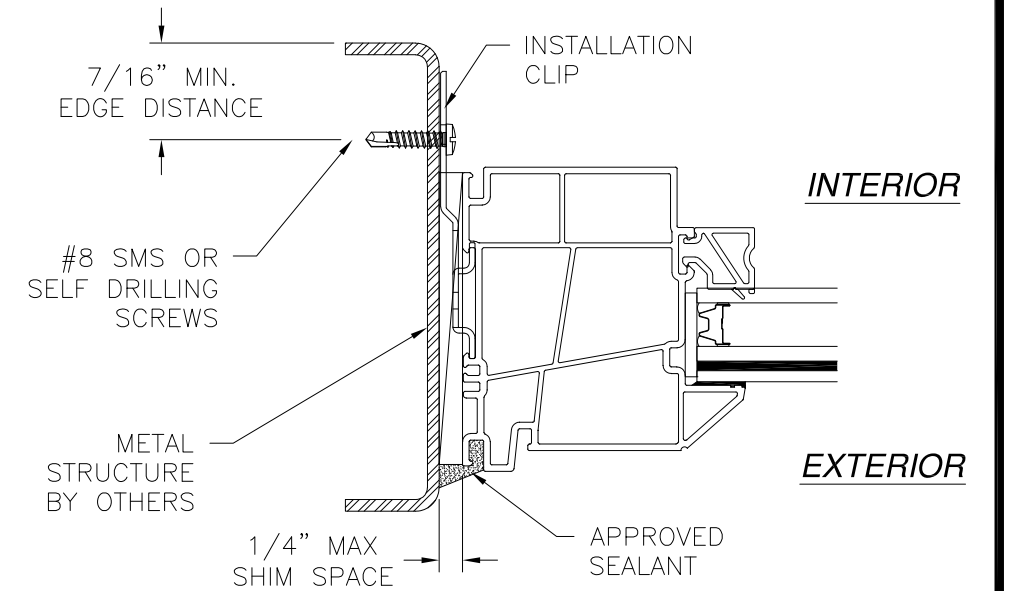
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

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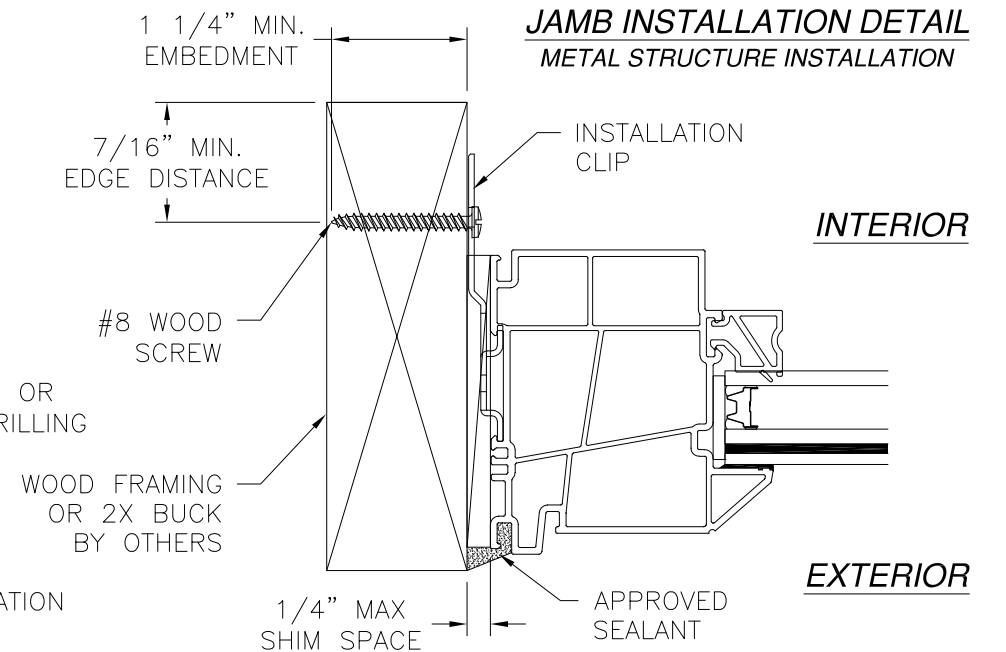


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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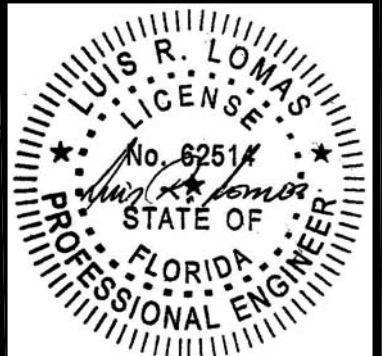
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



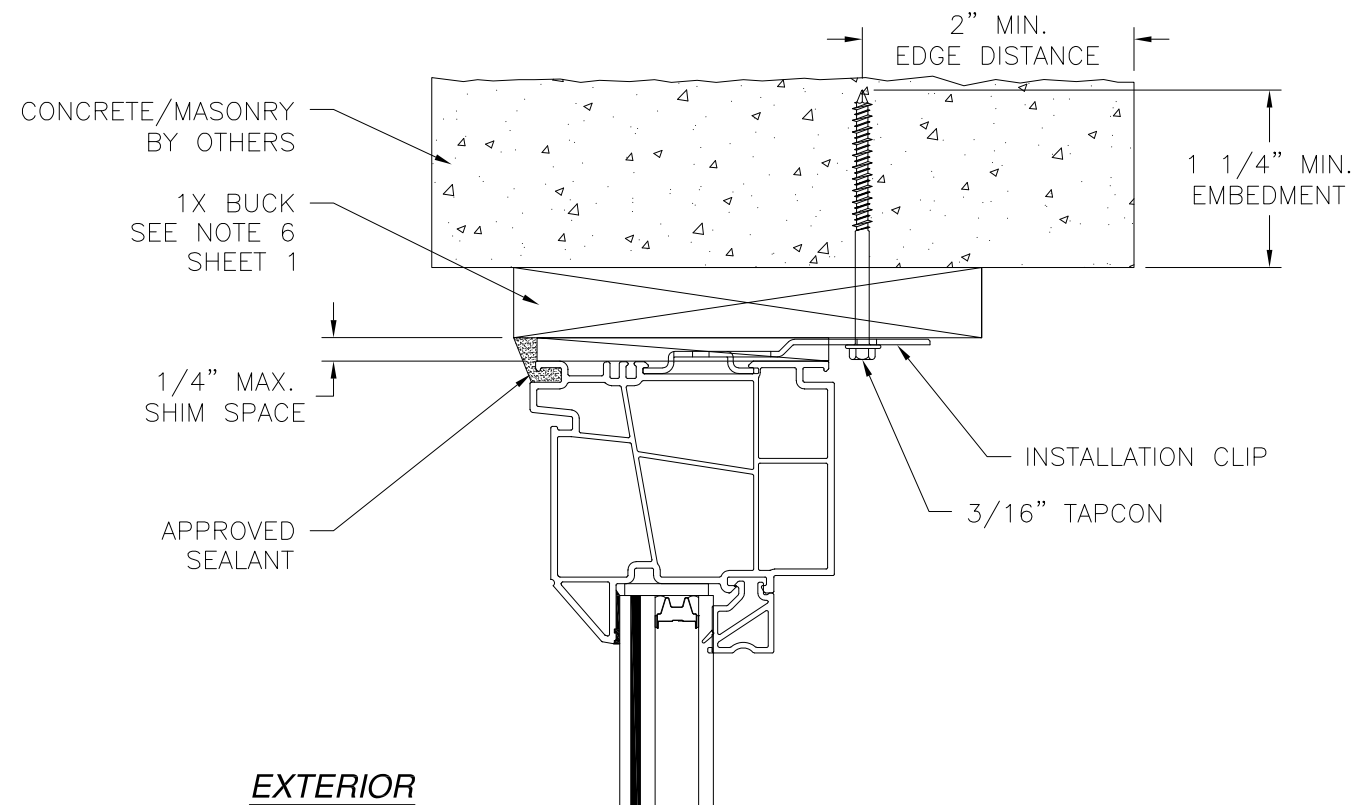
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WOOD FRAMING OR 2X BUCK INSTALLATION

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SERIES 4500 FIXED CASEMENT VINYL WINDOW 36" X 72" IMPACT - HVHZ STRAP INSTALLATION DETAILS		
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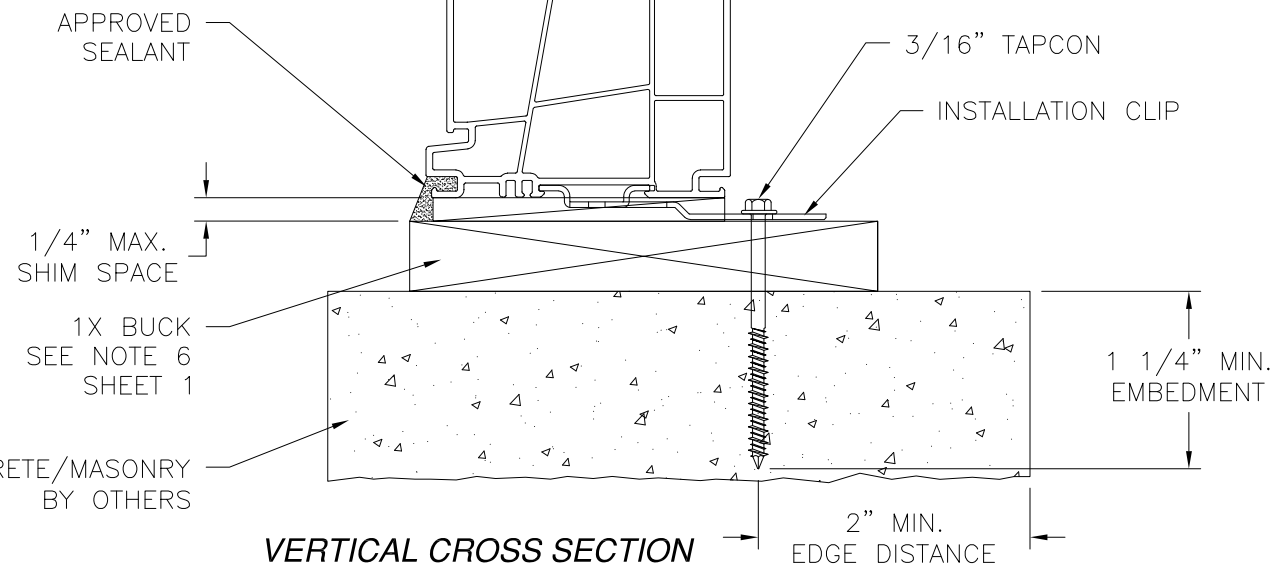


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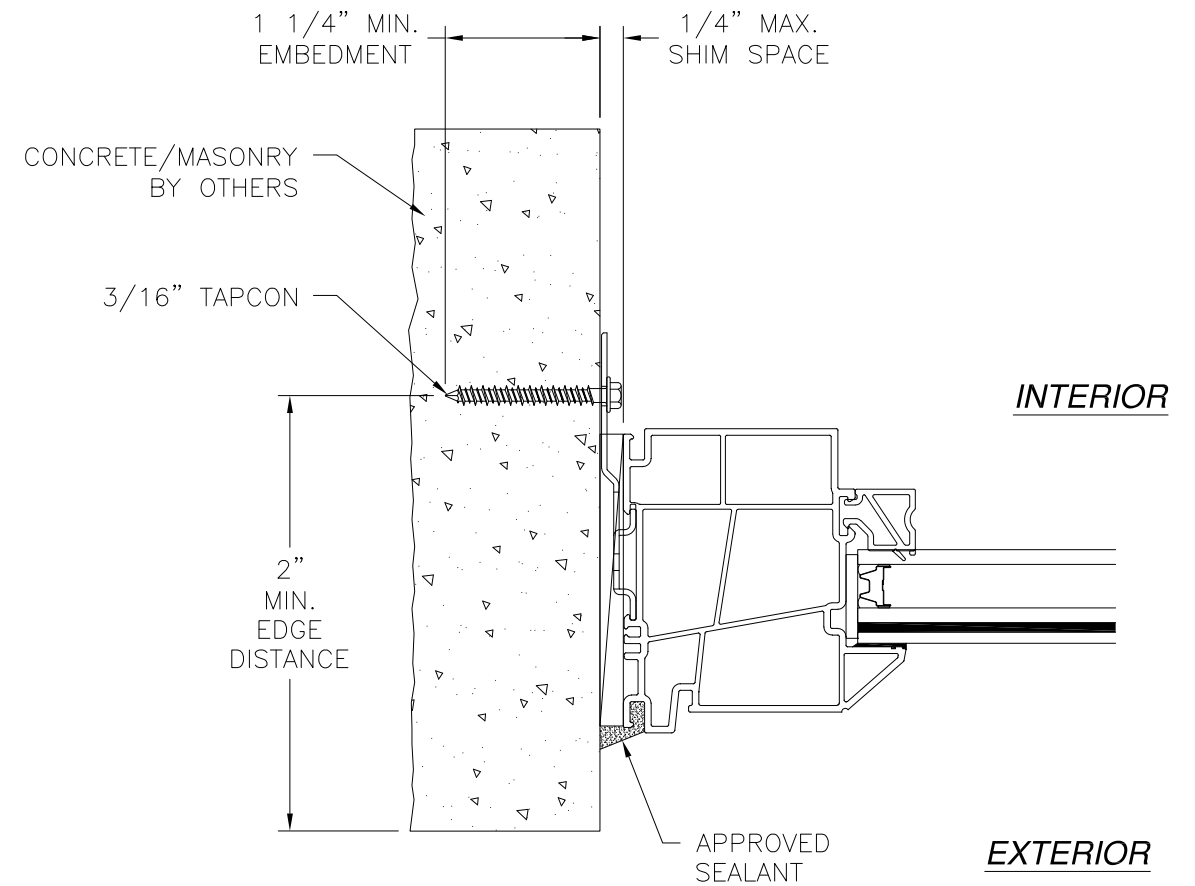
EXTERIOR

INTERIOR



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

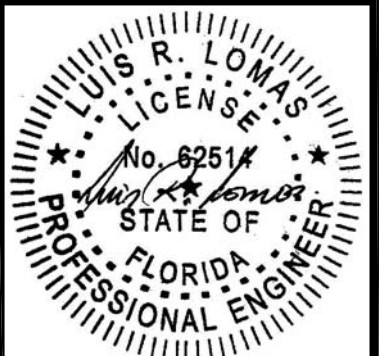
EXTERIOR

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

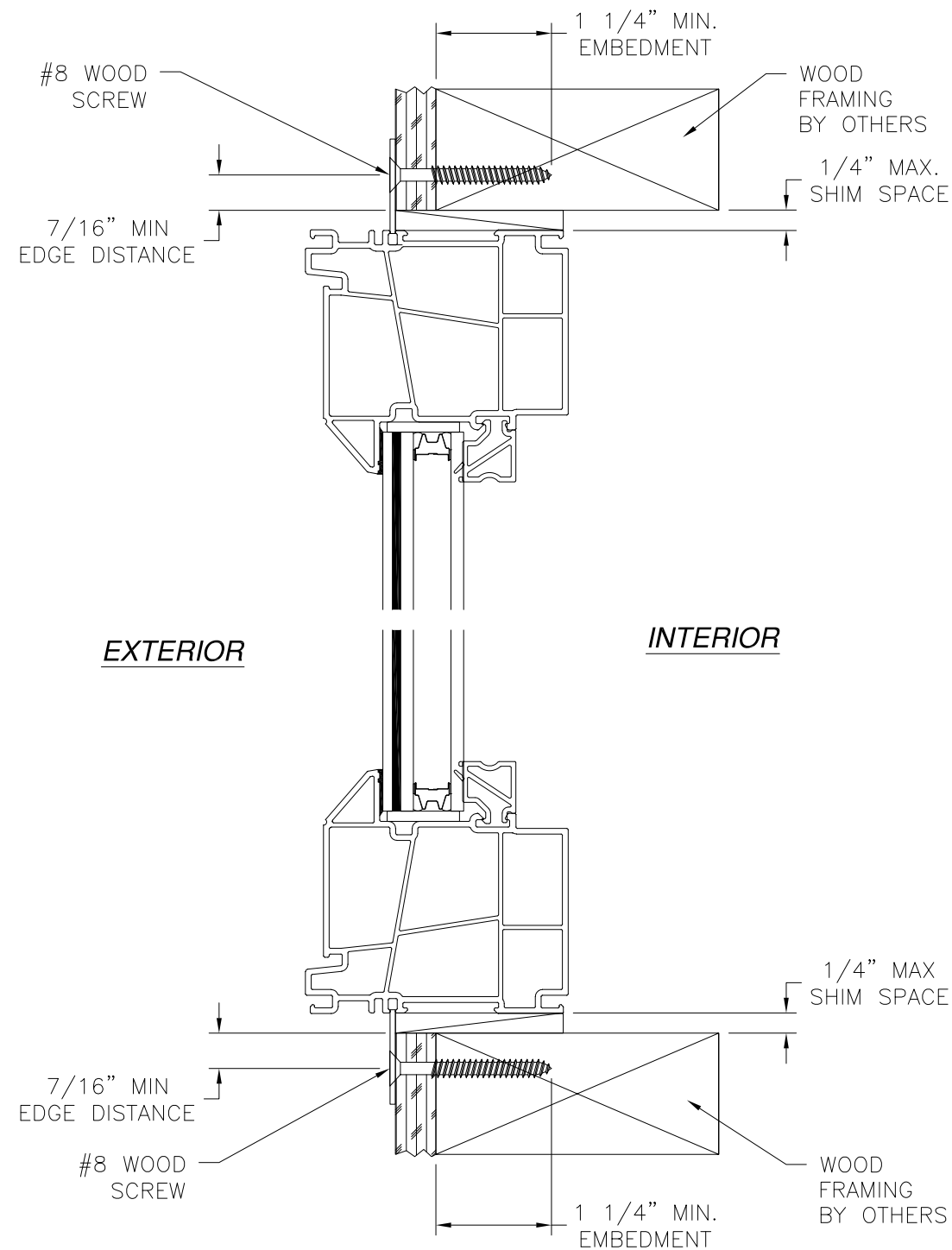
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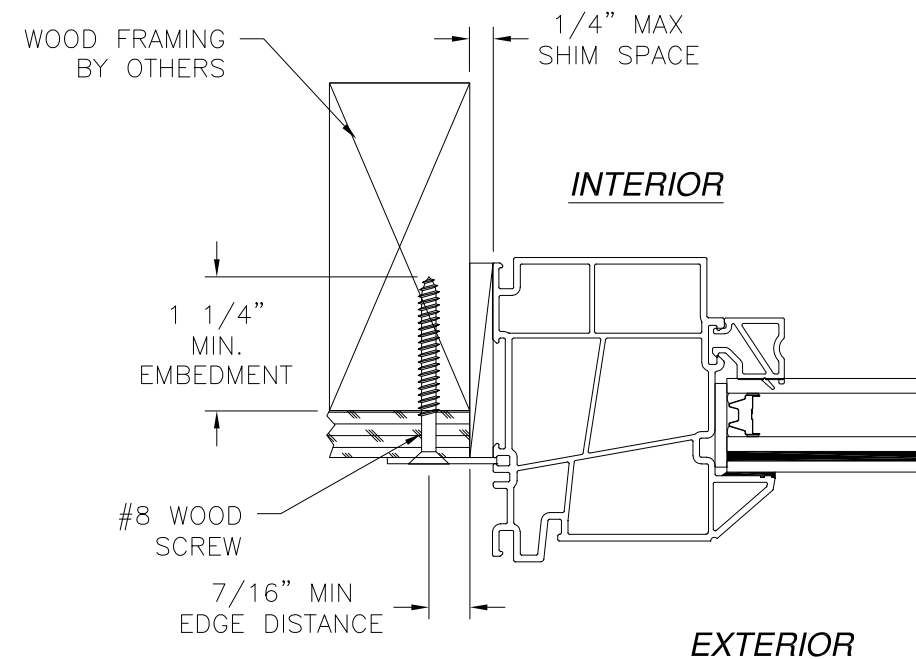
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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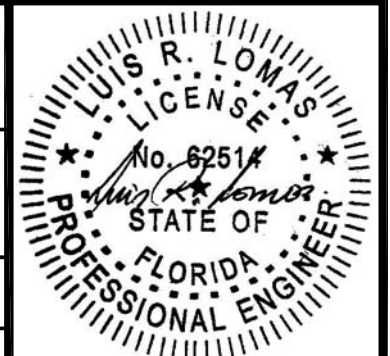
LAS ENTERPRISES
2413 L & A ROAD
METAIRIE, LA 70001

SERIES 4500 FIXED CASEMENT VINYL WINDOW
36" X 72" IMPACT – HVHZ
FIN INSTALLATION DETAILS

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