

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	07/29/15	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. 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".
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: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300-04.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS 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 THROUGH FRAME 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.
16. FOR ANCHORING THROUGH FRAME 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.
17. FOR ANCHORING THROUGH FRAME 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.
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 f'm=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI 1/8" THICK MINIMUM

SIGNED: 08/05/2015

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1	NOTES
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MI WINDOWS

650 WEST MARKET STREET
GRATZ, PA 17030

9660 AWNING WINDOW

48" X 40" NON-IMPACT

NOTES

DRAWN:
V.L.

DWG NO.
08-02220

REV
A

SCALE NTS

DATE 09/06/13

SHEET 1 OF 9

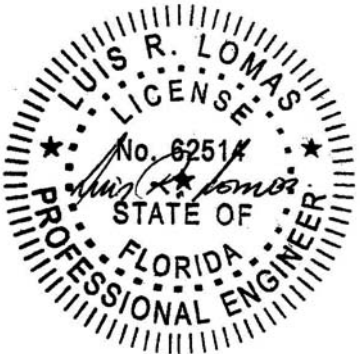


Chart #1

Number of anchor locations required

Frame Height (in)	Frame width (in)									
	24.00		30.00		36.00		42.00		48.00	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
24.00	2	2	3	2	3	2	4	2	4	2
30.00	2	3	3	3	3	3	4	3	4	3
36.00	2	3	3	3	3	3	4	3	4	3
40.00	2	3	3	3	3	3	4	3	4	3

Chart #2

Number of anchor locations required

Frame Height (in)	Frame width (in)									
	24.00		30.00		36.00		42.00		48.00	
	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb	Head	Jamb
24.00	4	4	5	4	6	4	7	4	7	4
30.00	4	5	5	5	6	5	7	5	7	5
36.00	4	6	5	6	6	6	7	6	7	6
40.00	4	6	5	6	6	6	7	6	7	6

REVISIONS

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48" MAX FRAME WIDTH

6" MAX

12" MAX O.C.

6" MAX

6" MAX

17" MAX O.C.

40" MAX FRAME HEIGHT

6" MAX

9660 AWNING WINDOW

EXTERIOR VIEW

FINLESS & FLANGE INSTALLATION

SEE CHART #1
FOR NUMBER OF
ANCHORS REQUIRED

48" MAX FRAME WIDTH

3" MAX

7" MAX O.C.

3" MAX

3" MAX

7" MAX O.C.

40" MAX FRAME HEIGHT

3" MAX

9660 AWNING WINDOW

EXTERIOR VIEW

FIN INSTALLATION

SEE CHART #2
FOR NUMBER OF
ANCHORS REQUIRED

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

MI WINDOWS

650 WEST MARKET STREET

GRATZ, PA 17030

9660 AWNING WINDOW

48" X 40" NON-IMPACT

ELEVATIONS

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SHEET 2 OF 9

SIGNED: 08/05/2015

LUIS R. LOMAS

LICENSE

No. 62514

STATE OF

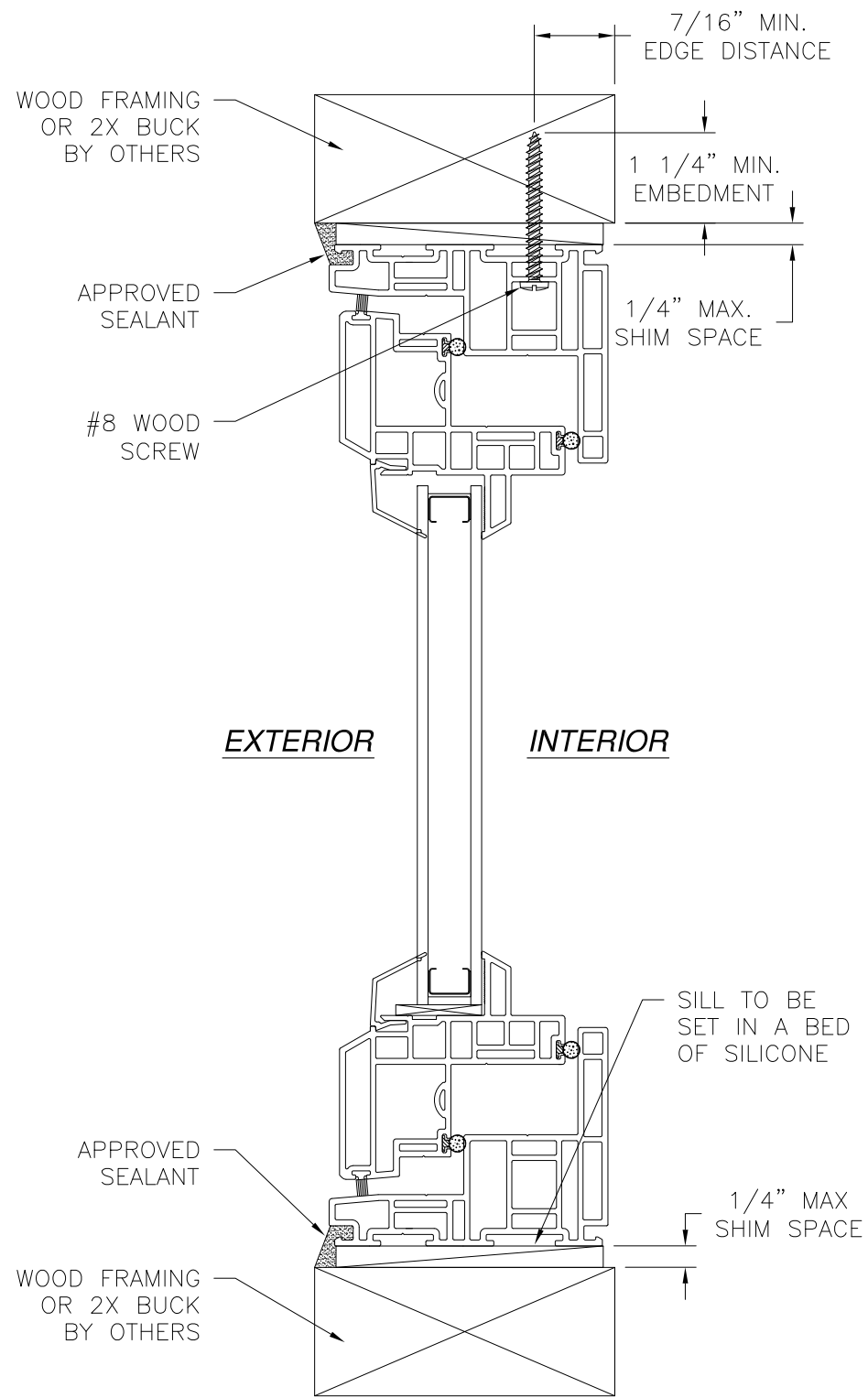
FLORIDA

PROFESSIONAL ENGINEER

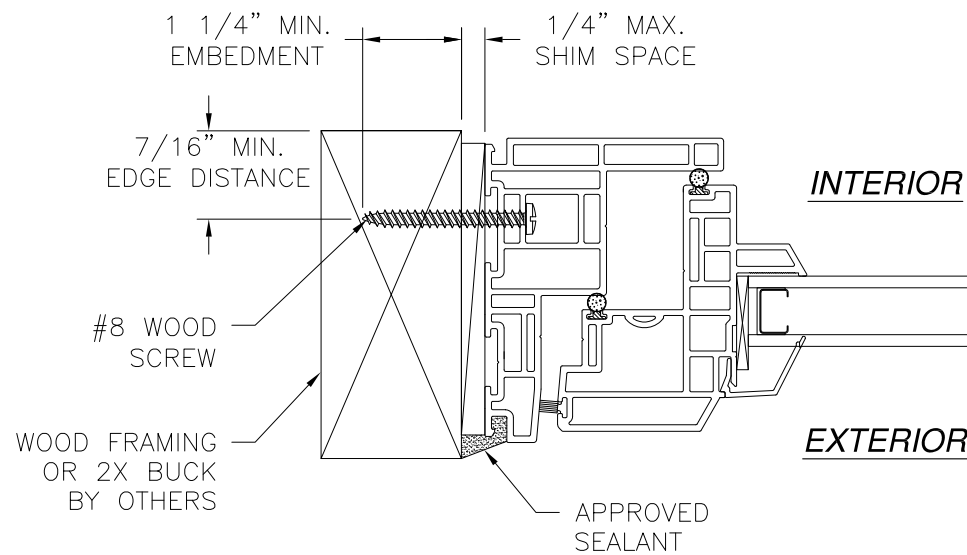
NOTES:

1. MAXIMUM SASH SIZE: 46 5/16" X 38 7/16"

2. MAXIMUM D.L.O.: 41 1/4" X 33"



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

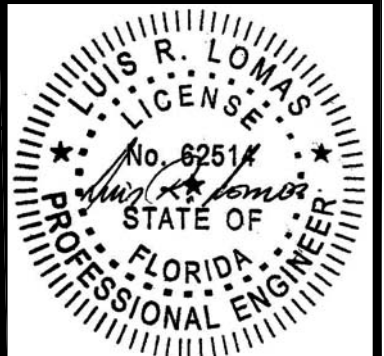
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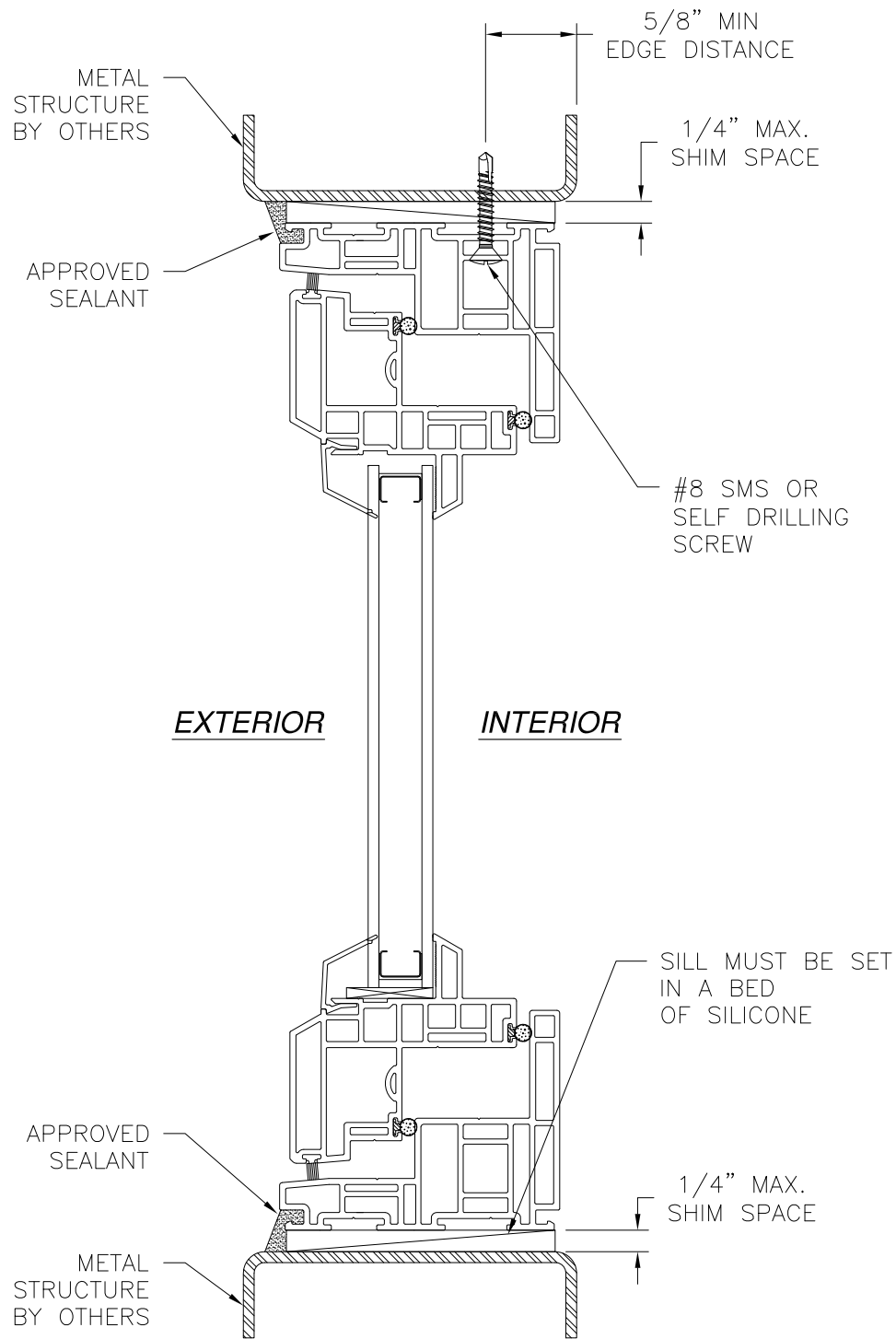
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2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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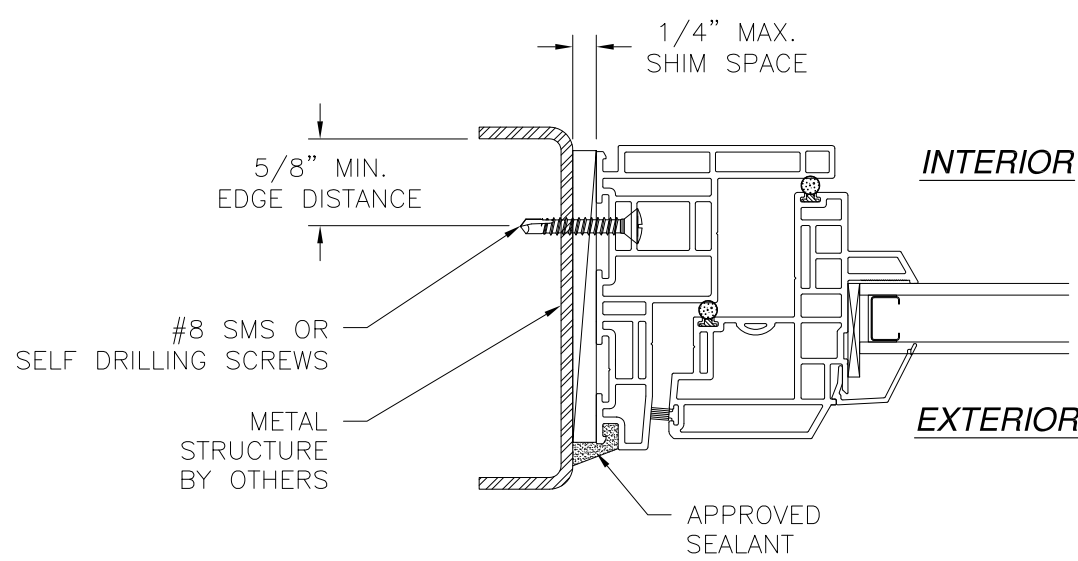
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MI WINDOWS 650 WEST MARKET STREET GRATZ, PA 17030		
9660 AWNING WINDOW 48" X 40" NON-IMPACT FINLESS INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02220	REV A
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



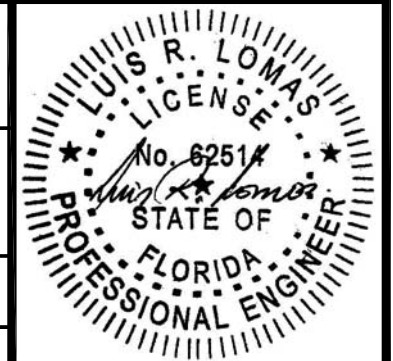
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METAL STRUCTURE INSTALLATION

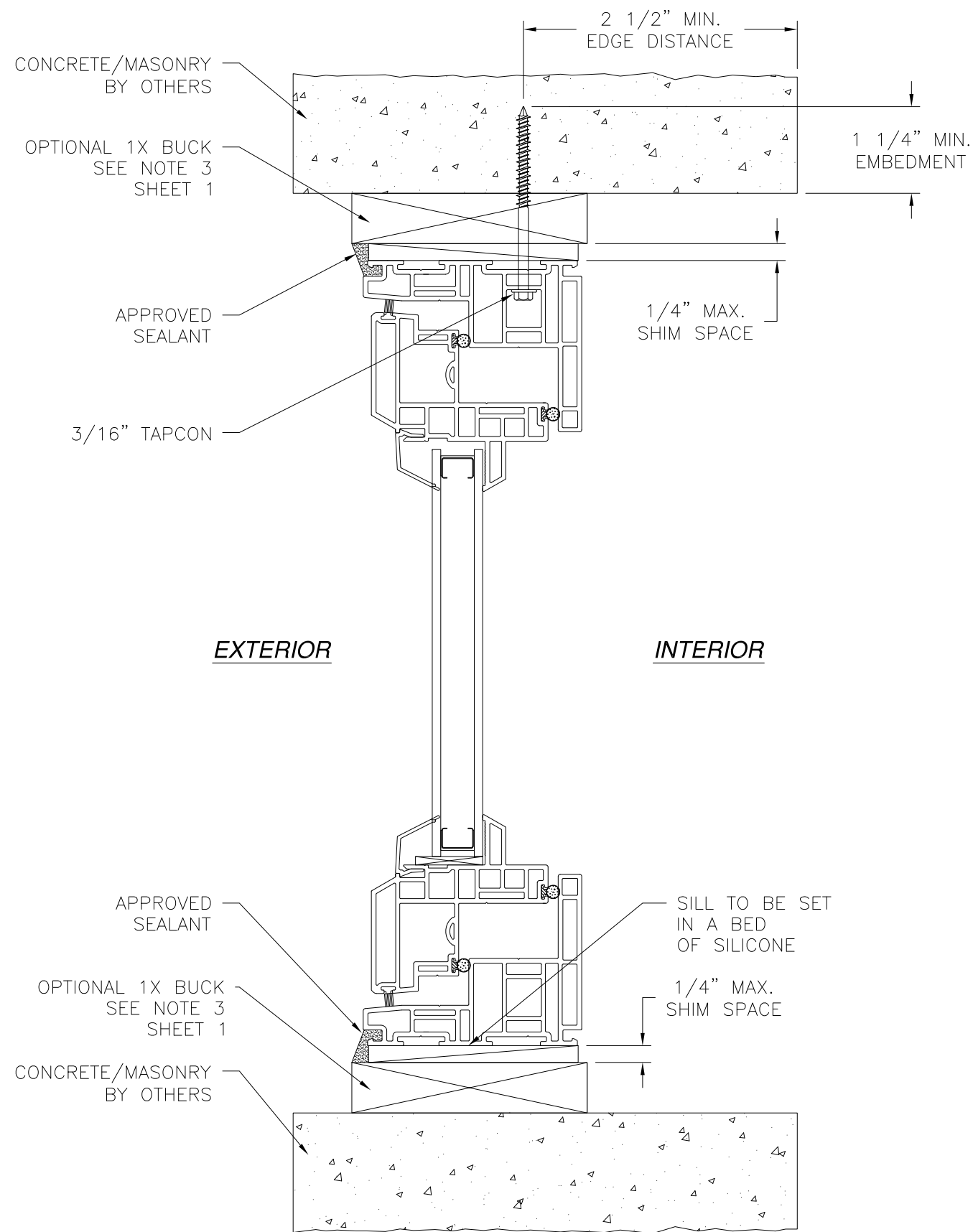
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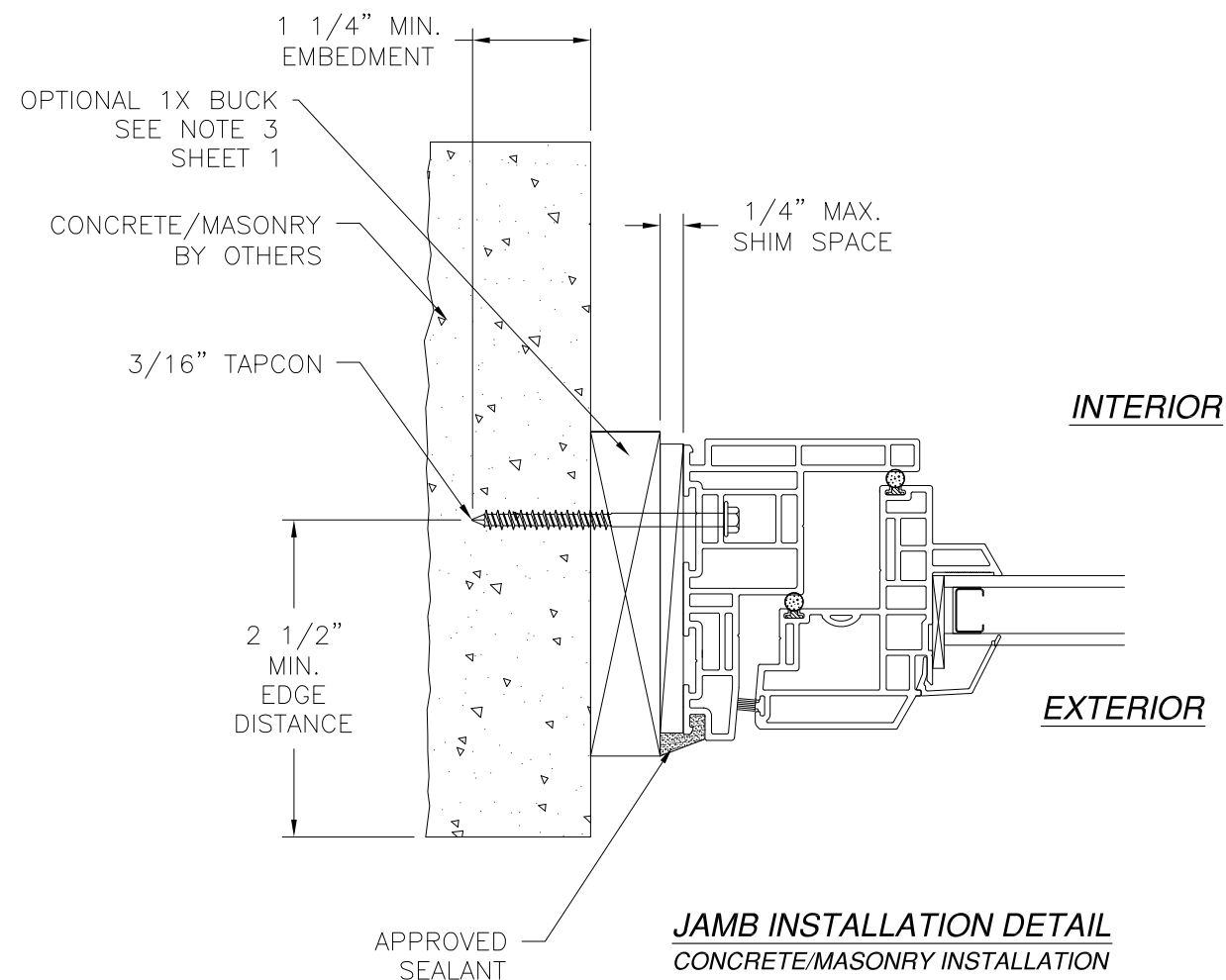
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

NOTES:

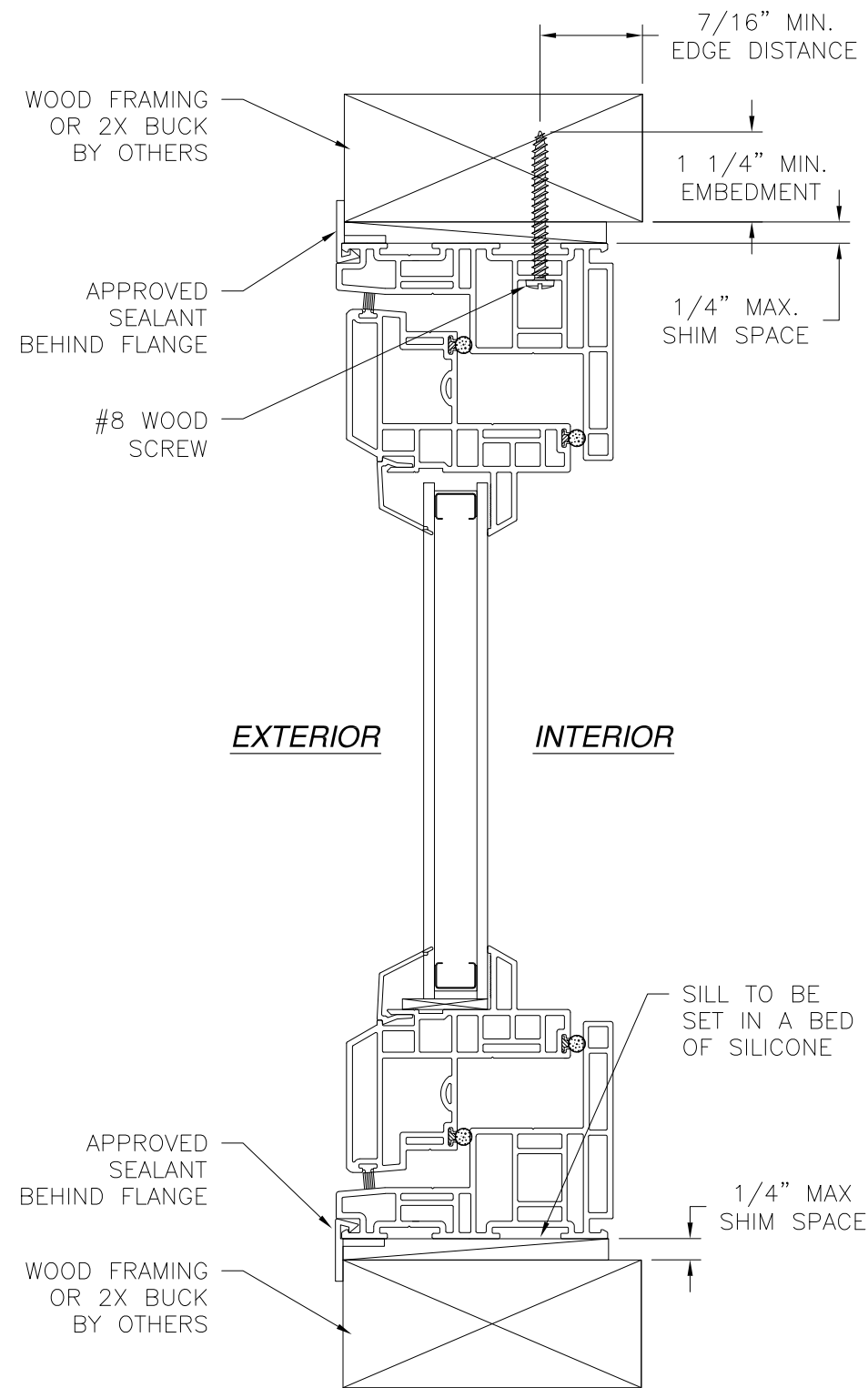
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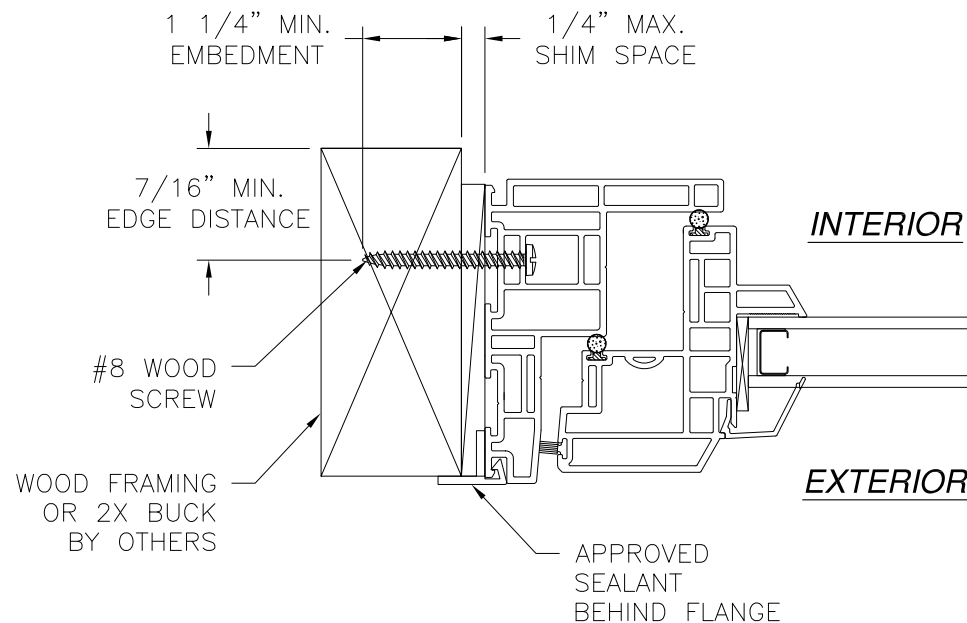
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

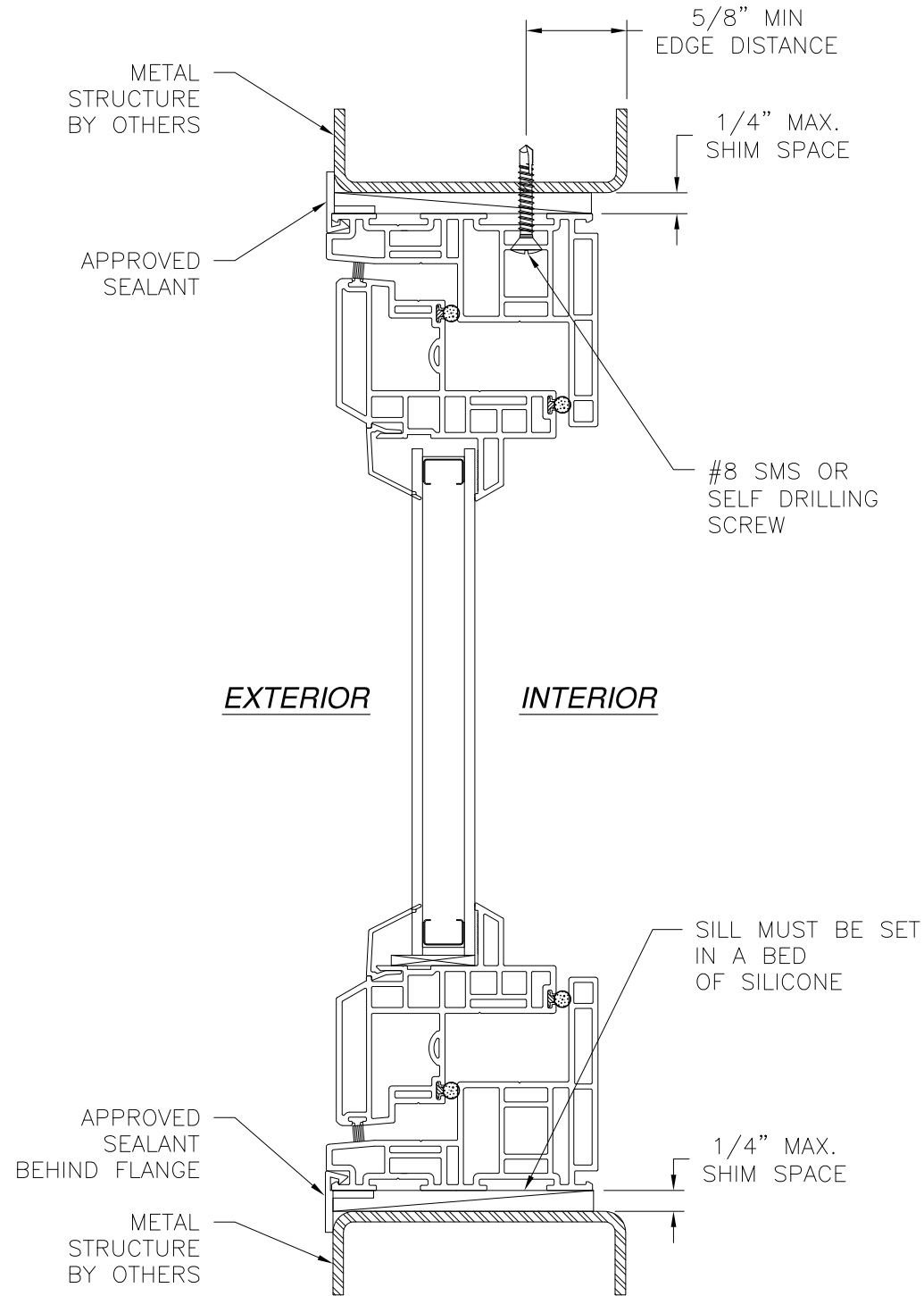
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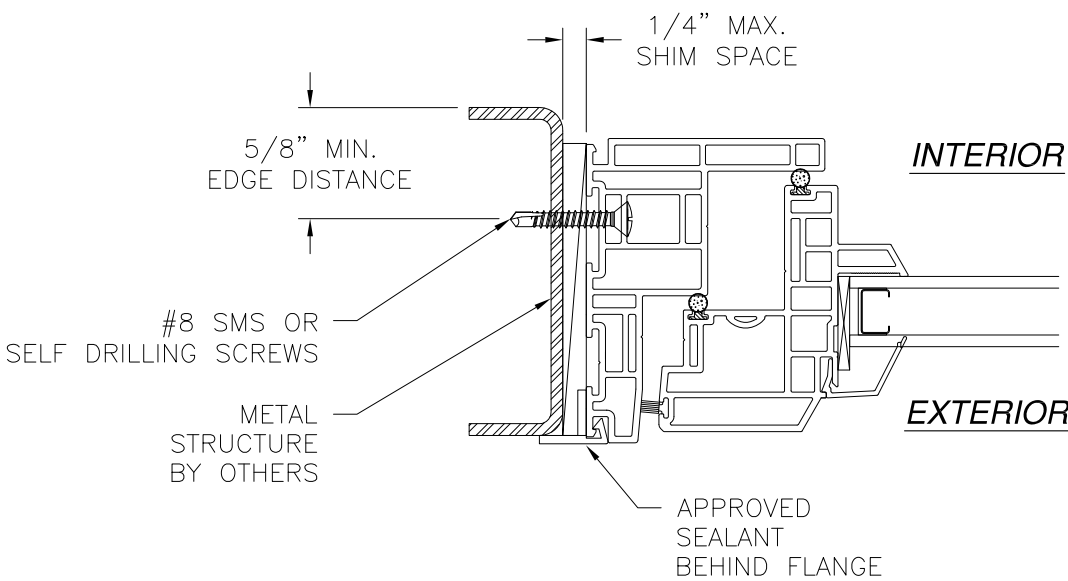
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

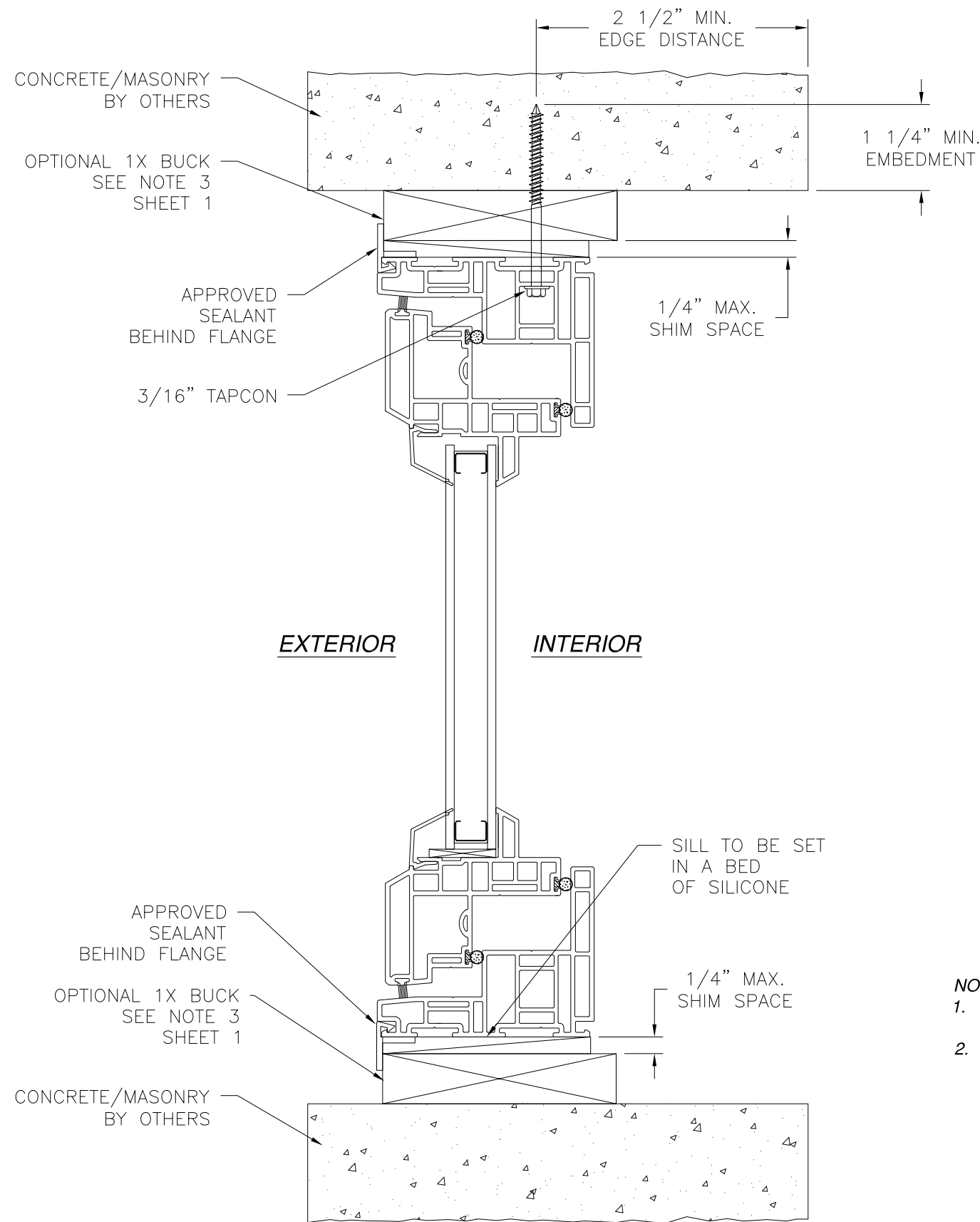
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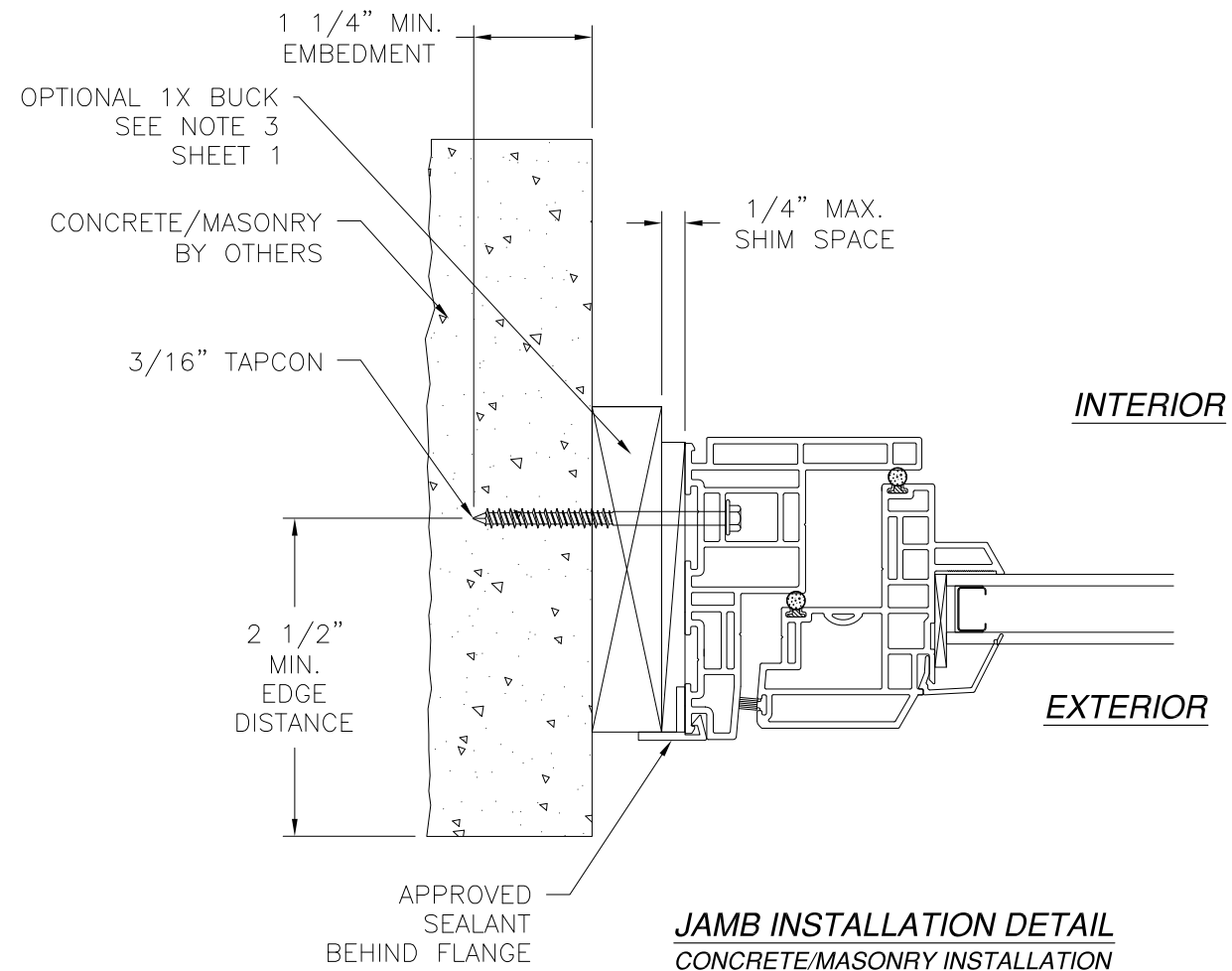
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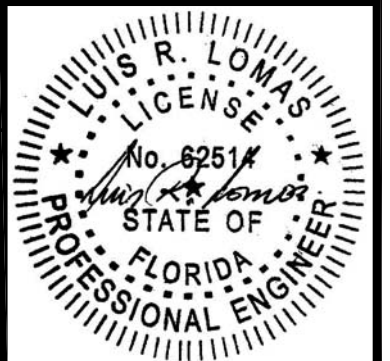
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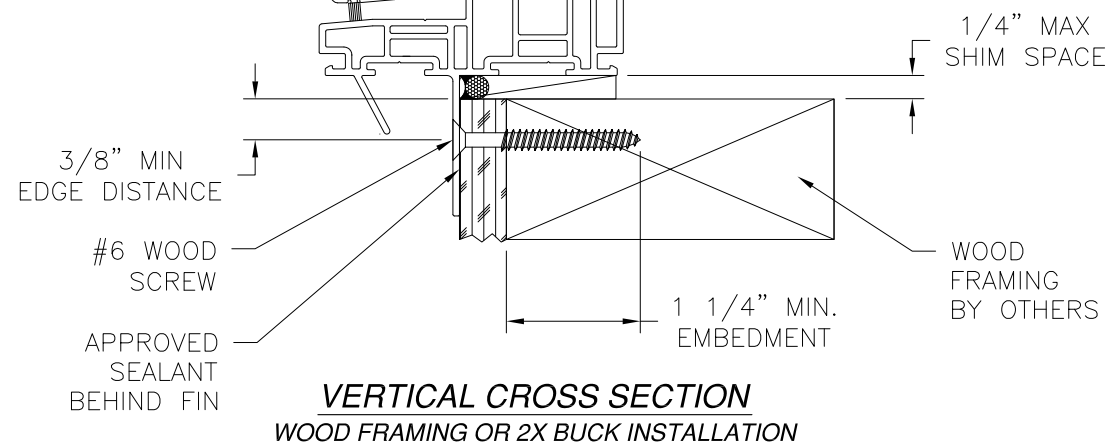
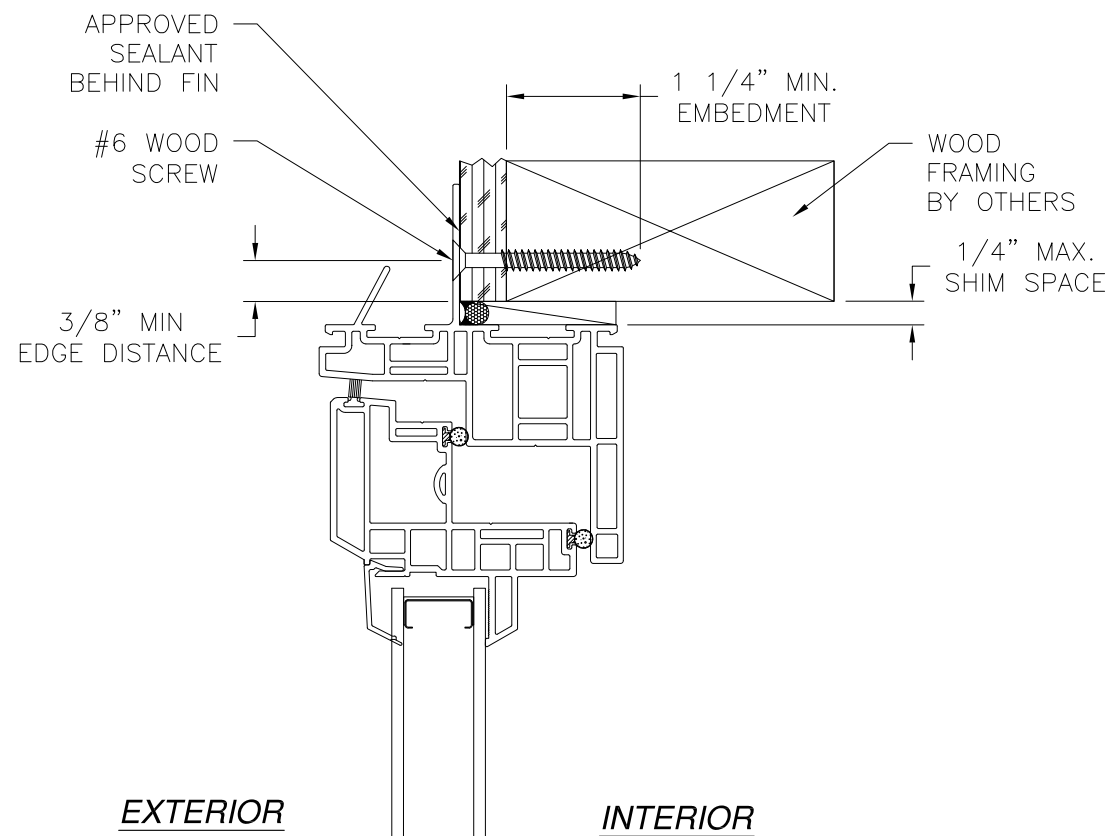
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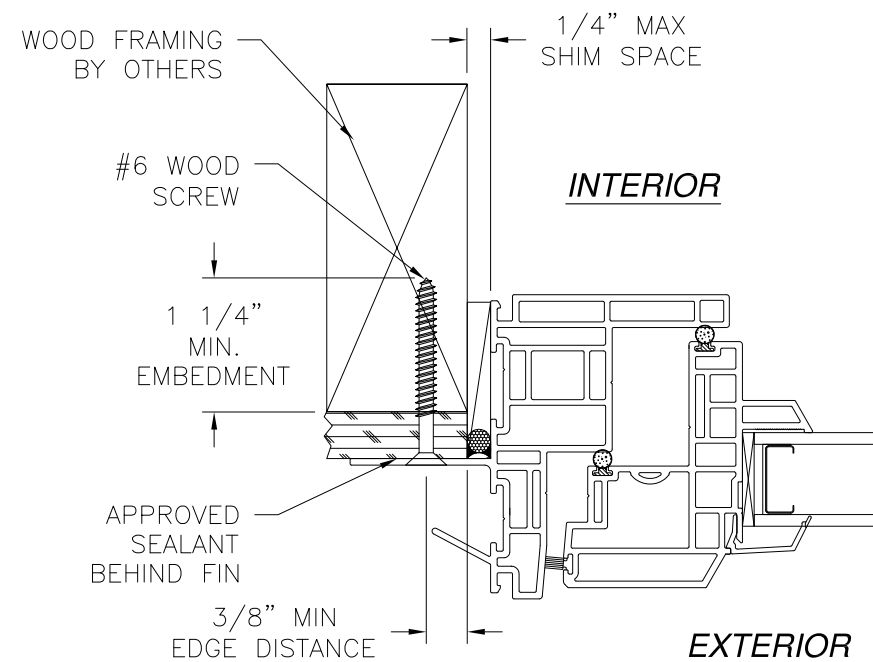
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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



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