

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/11/2023	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL 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. 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 RIGID PVC.
11. UNITS MUST BE GLAZED PER ASTM E1300.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FIN 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.
14. FOR ANCHORING THROUGH FIN 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.
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” 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:

19.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

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

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

19.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063–T5 1/8” THICK MINIMUM
20. GEOMETRIC SHAPES ARE ALSO APPROVED. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED INSCRIBED DIMENSIONS OF APPROVED RECTANGULAR ASSEMBLY SHOWN IN SHEET 2.

SIGNED: 10/16/2023

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1	NOTES
2	ELEVATIONS
3	DESIGN PRESSURE CHART
4 – 7	INSTALLATION DETAILS

MAGNOLIA WINDOW & DOOR

1000 PYRATICH DR
BALDWIN, GA 30511

400 VINYL PICTURE WINDOW
NON-IMPACT 72” X 60”
NOTES

DRAWN:
N.G.

DWG NO.
08-02625

REV
A

SCALE NTS

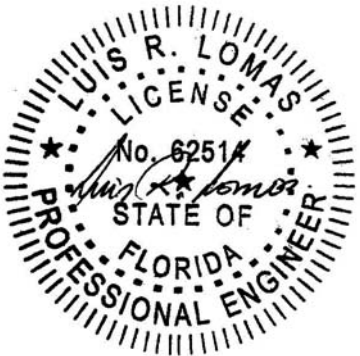
DATE 04/02/15

SHEET 1 OF 7

L. ROBERTO LOMAS P.E.

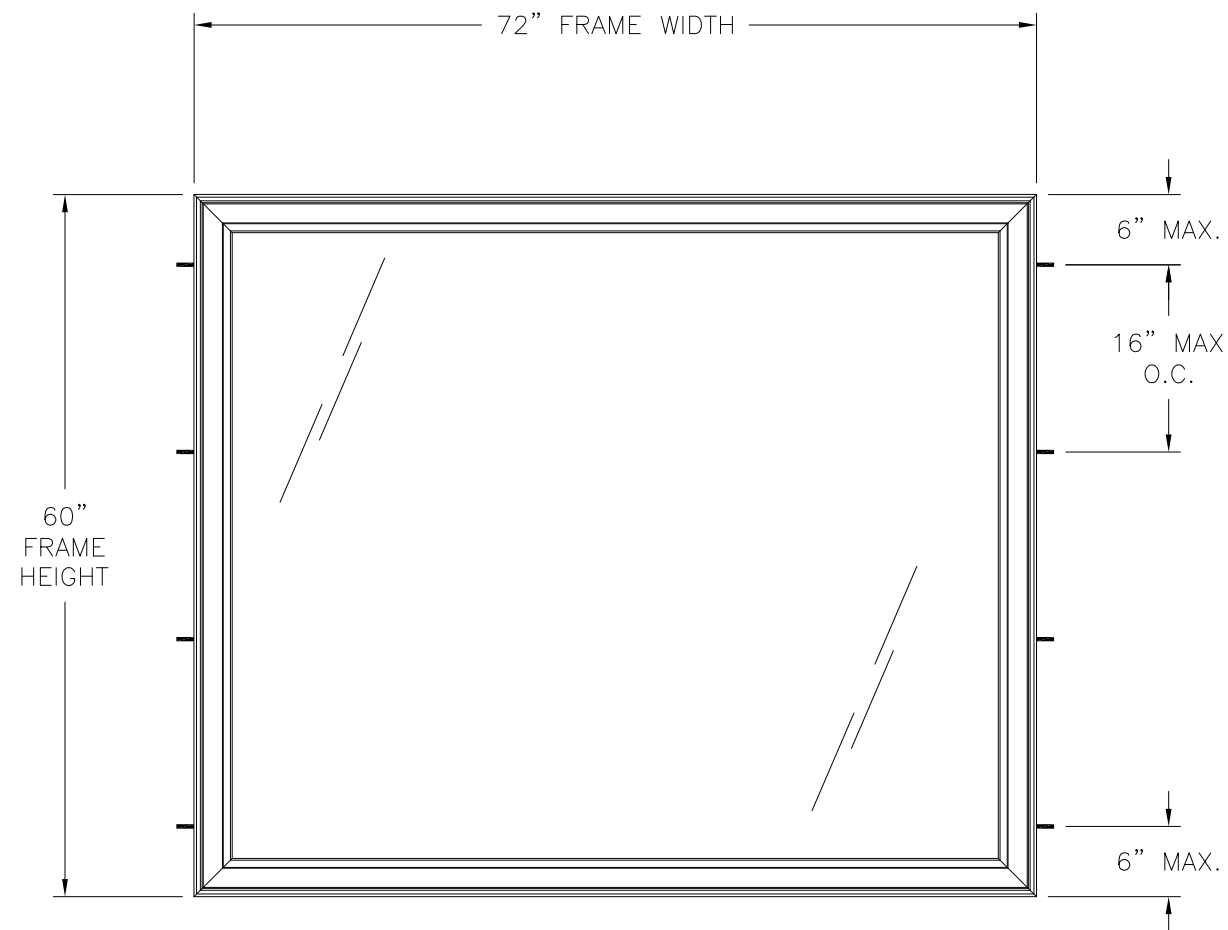
208 7th AVENUE, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

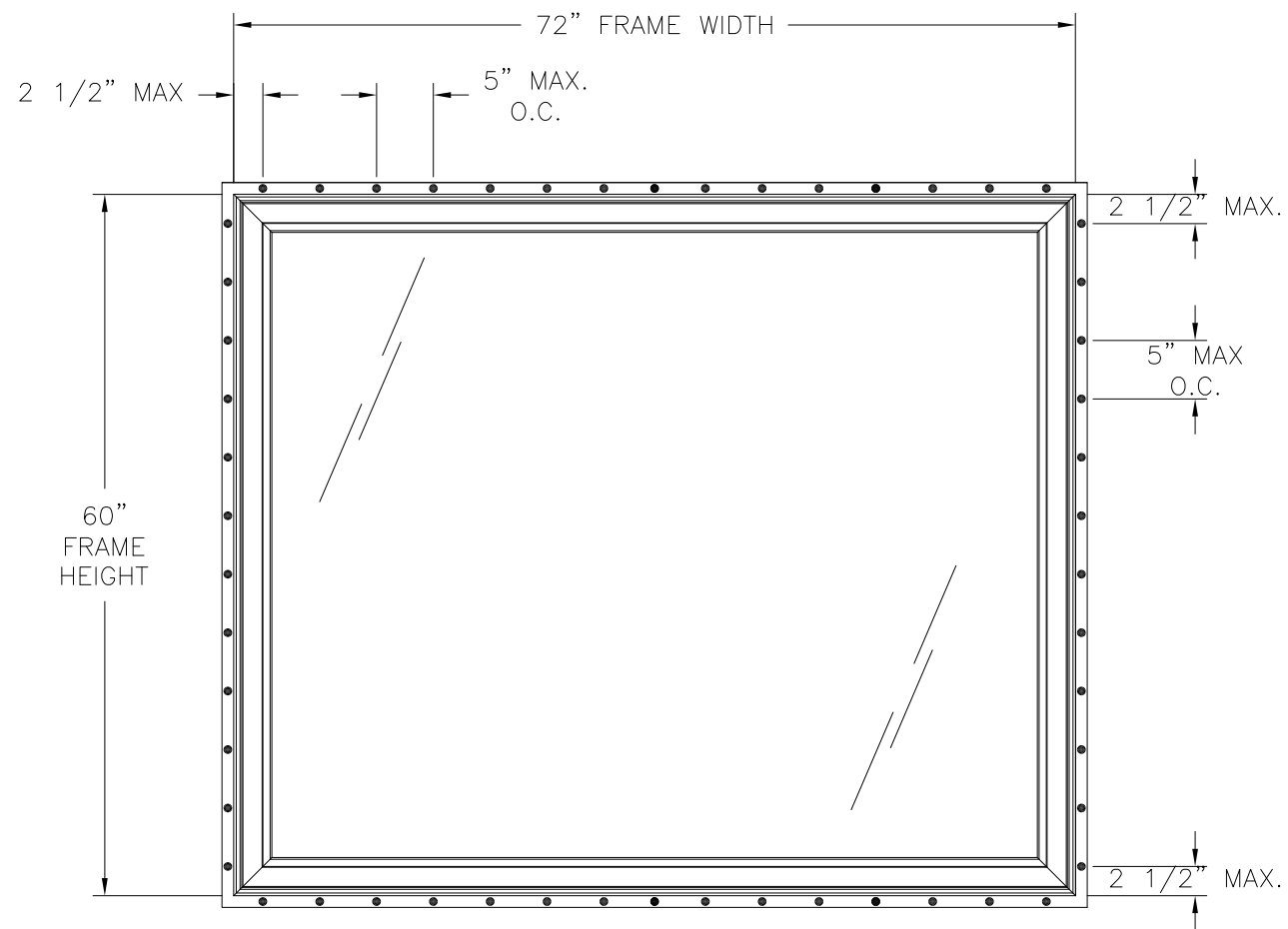


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400 VINYL PICTURE WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



400 VINYL PICTURE WINDOW
EXTERIOR VIEW
FIN INSTALLATION

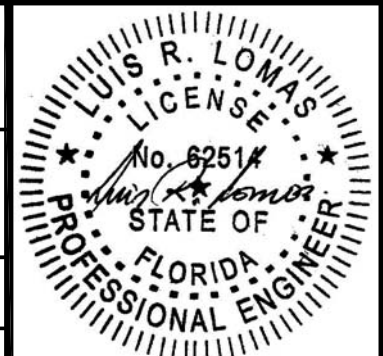
DESIGN PRESSURE RATING	IMPACT RATING
± 35.0 PSF	NONE

FOR OTHER SIZES SEE CHART #1, SHEET 3

- NOTES:
- (2) 1 1/4" X 1/8" WEEP SLOT 2" FROM END EXTERIOR SILL FACE
 - (2) 1/4" WEEP HOLE 2" FROM JAMB IN GLAZING POCKET
 - MAXIMUM D.L.O.: 67 1/4" X 55 1/4"

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR BALDWIN, GA 30511		
400 VINYL PICTURE WINDOW NON-IMPACT 72" X 60" ELEVATIONS		
DRAWN: N.G.	DWG NO. 08-02625	REV A
SCALE NTS	DATE 04/02/15	SHEET 2 OF 7
L. ROBERTO LOMAS P.E. 208 7th AVENUE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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CHART #1
Maximum design pressure capacity chart (psf)

Frame Height (in)	Frame width (in)																																	
	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		78.0		84.0		90.0		96.0		102.0		108.0		114.0		120.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg		
24.0	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5		
30.0	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	51.8	50.0	50.9	50.0	50.1	49.4	49.4	46.7	46.7	44.2	44.2	42.0	42.0
36.0	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	50.9	49.2	49.2	47.7	47.7	46.5	46.5	45.5	45.5	44.5	44.5	43.8	43.8	41.2	41.2	38.9	38.9	36.8	36.8	35.0	35.0
42.0	50.0	52.5	50.0	52.5	50.0	52.5	50.0	52.5	50.0	51.1	48.5	48.5	46.4	46.4	44.6	44.6	43.2	43.2	42.0	42.0	40.9	40.9	40.0	40.0	37.5	37.5	35.3	35.3	-	-	-	-	-	-
48.0	50.0	52.5	50.0	52.5	50.0	52.5	50.0	51.1	47.7	47.7	45.1	45.1	43.0	43.0	41.2	41.2	39.8	39.8	38.5	38.5	37.5	37.5	35.0	35.0	-	-	-	-	-	-	-	-	-	-
54.0	50.0	52.5	50.0	52.5	50.0	52.5	48.5	48.5	45.1	45.1	42.4	42.4	40.3	40.3	38.6	38.6	37.1	37.1	35.9	35.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60.0	50.0	52.5	50.0	52.5	50.0	50.9	46.4	46.4	43.0	43.0	40.3	40.3	38.2	38.2	36.4	36.4	35.0	35.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66.0	50.0	52.5	50.0	52.5	49.2	49.2	44.6	44.6	41.2	41.2	38.6	38.6	36.4	36.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72.0	50.0	52.5	50.0	52.5	47.7	47.7	43.2	43.2	39.8	39.8	37.1	37.1	35.0	35.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78.0	50.0	52.5	50.0	52.5	46.5	46.5	42.0	42.0	38.5	38.5	35.9	35.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
84.0	50.0	52.5	50.0	51.8	45.5	45.5	40.9	40.9	37.5	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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96.0	50.0	52.5	50.0	50.1	43.8	43.8	37.5	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102.0	50.0	52.5	49.4	49.4	41.2	41.2	35.3	35.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108.0	50.0	52.5	46.7	46.7	38.9	38.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114.0	50.0	52.5	44.2	44.2	36.8	36.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120.0	50.0	52.5	42.0	42.0	35.0	35.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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MAGNOLIA WINDOW & DOOR
1000 PYRATICH DR
BALDWIN, GA 30511

400 VINYL PICTURE WINDOW
NON-IMPACT 72" X 60"
DESIGN PRESSURE CHART

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DWG NO.
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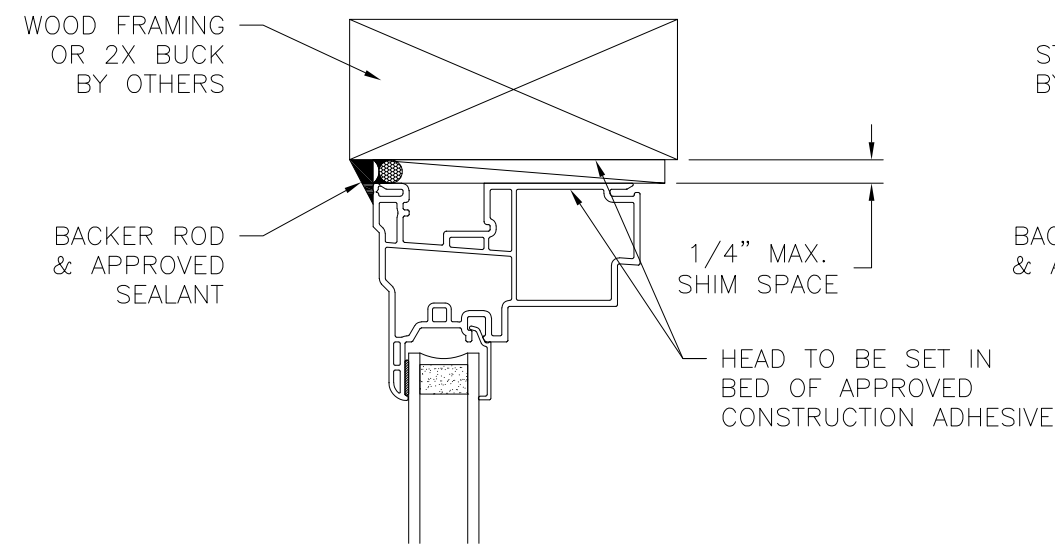
SHEET 3 OF 7

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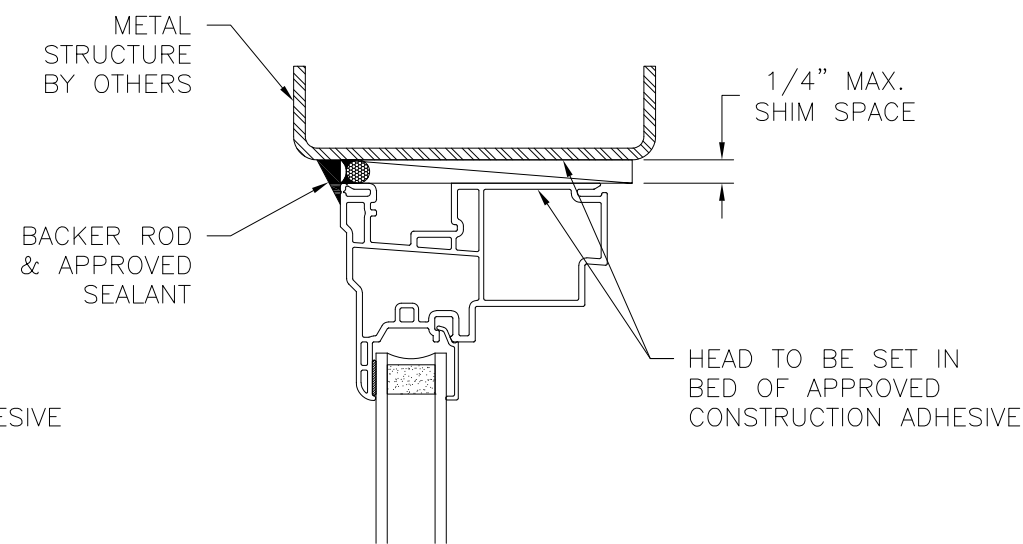
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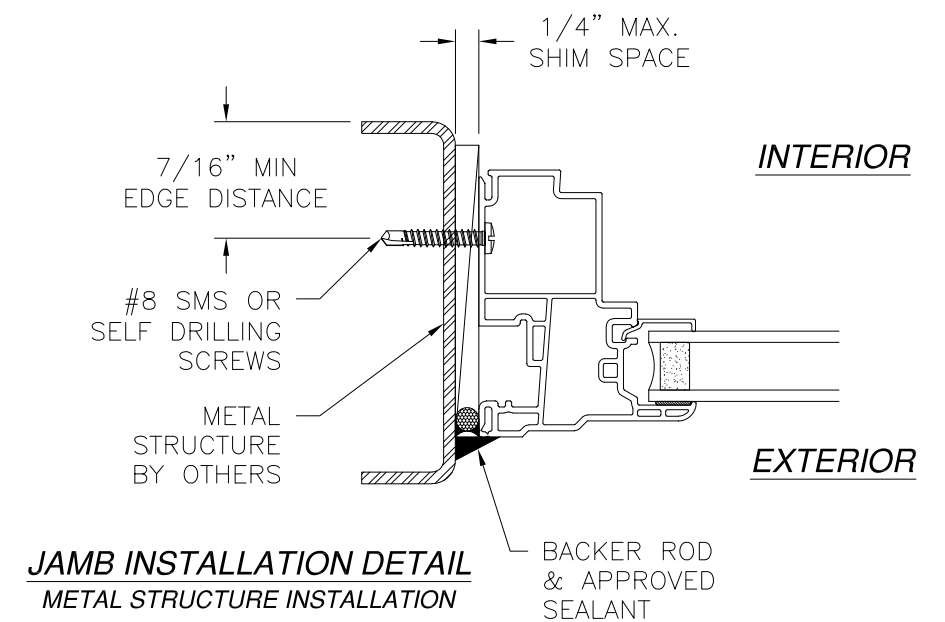
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INTERIOR

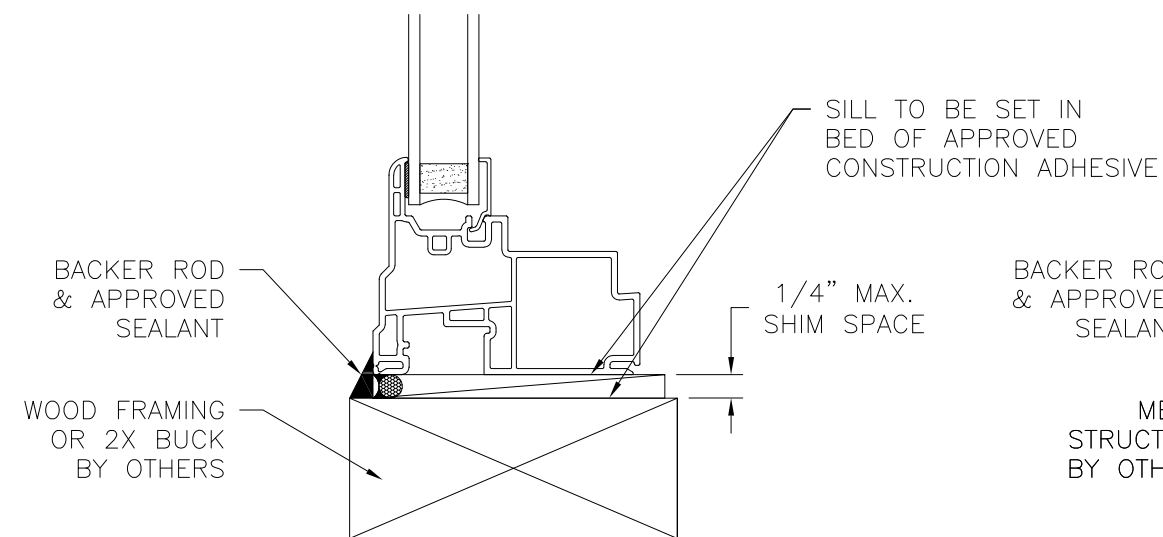


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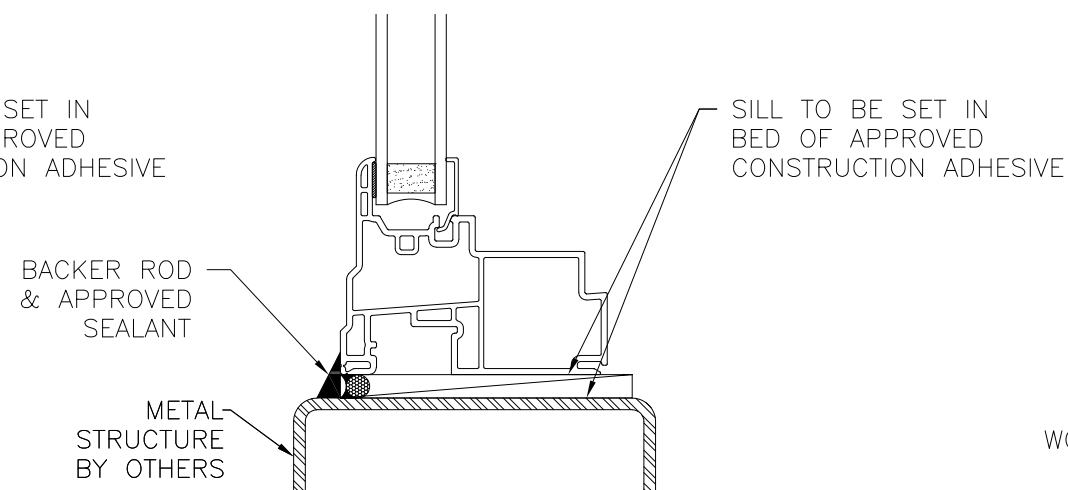
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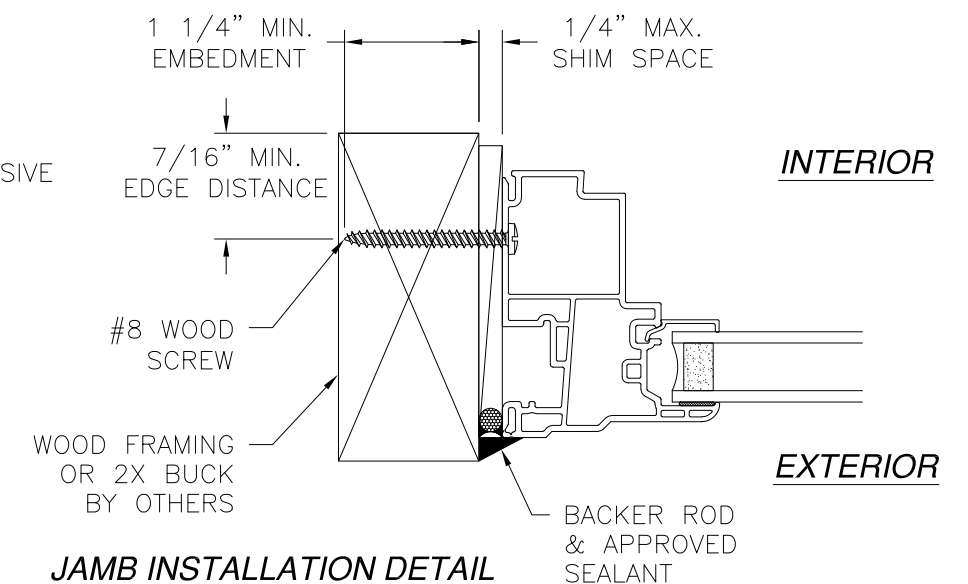
JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

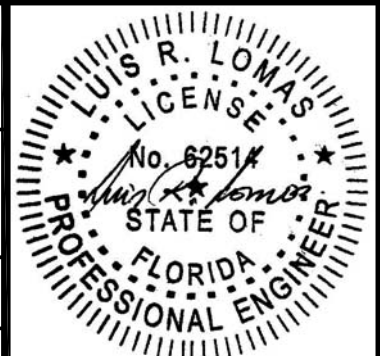


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WOOD FRAMING OR 2X BUCK INSTALLATION

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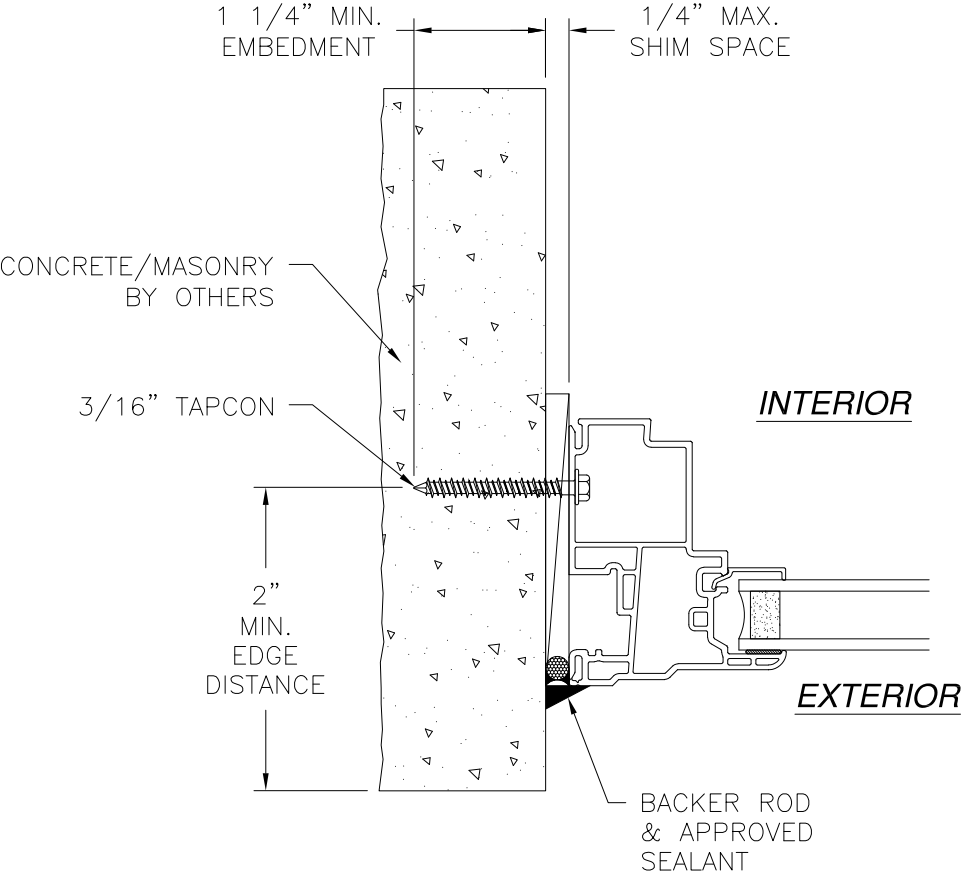
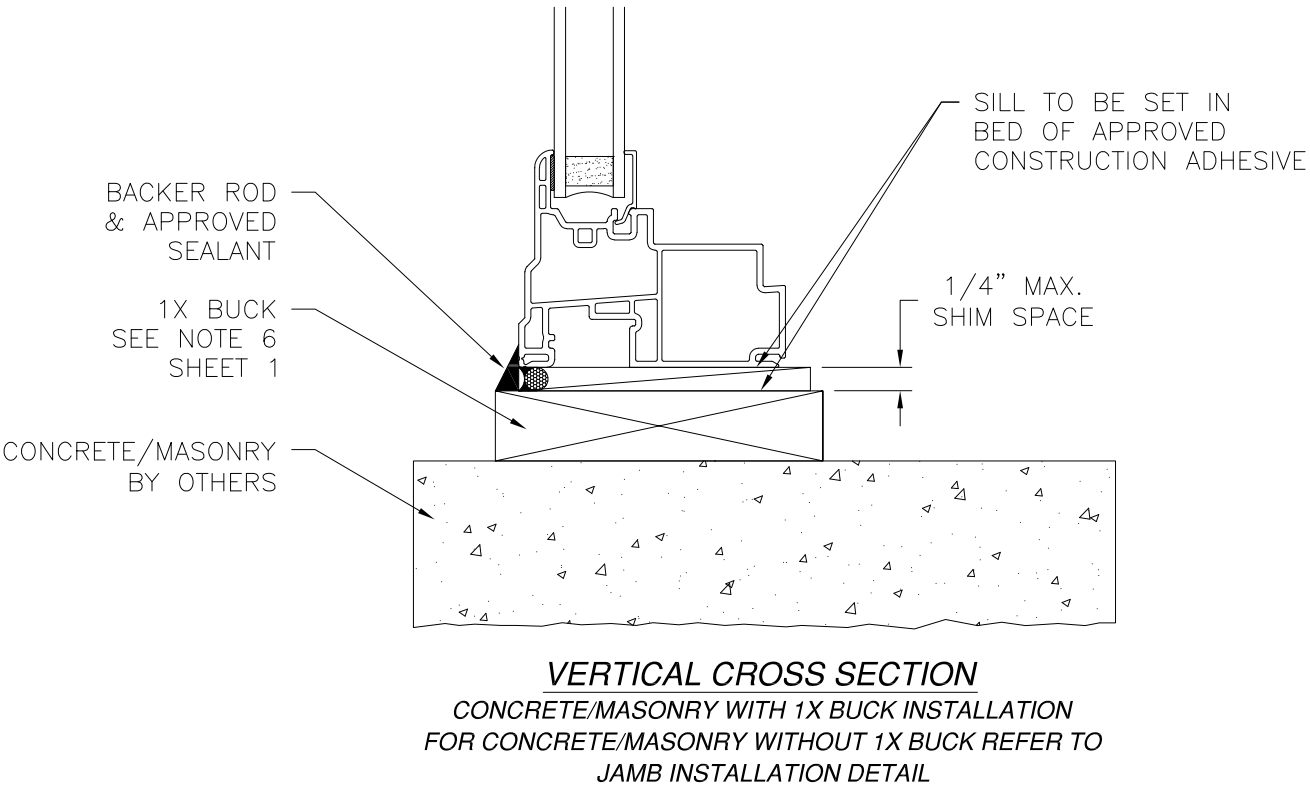
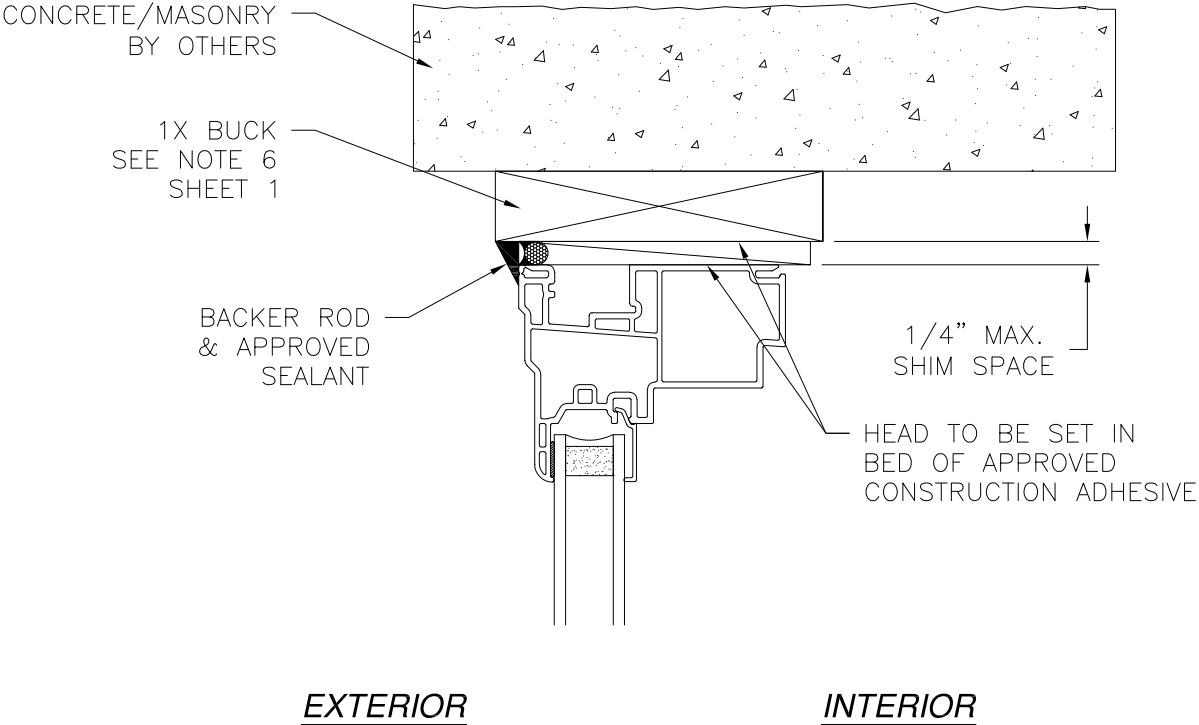
NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR BALDWIN, GA 30511		
400 VINYL PICTURE WINDOW NON-IMPACT 72" X 60" INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02625	REV A
SCALE NTS	DATE 04/02/15	SHEET 4 OF 7
L. ROBERTO LOMAS P.E. 208 7th AVENUE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

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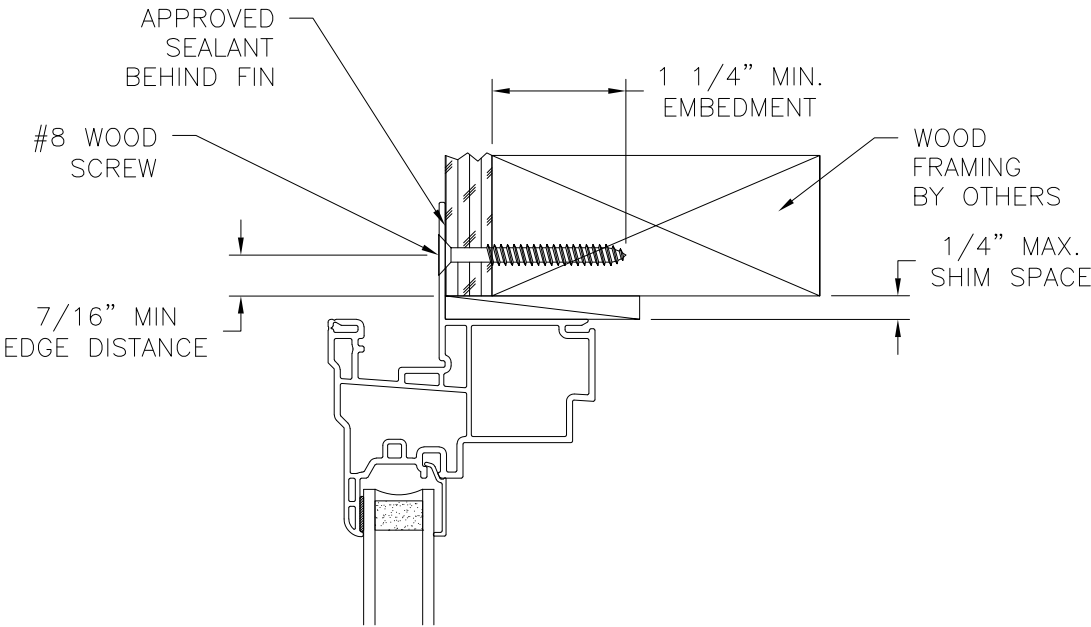
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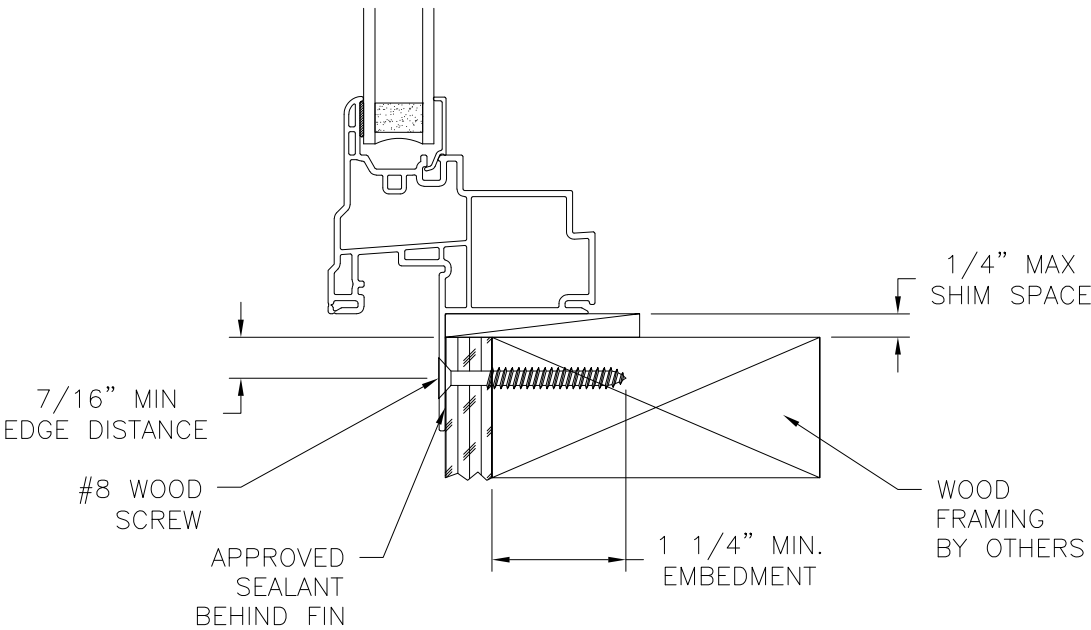
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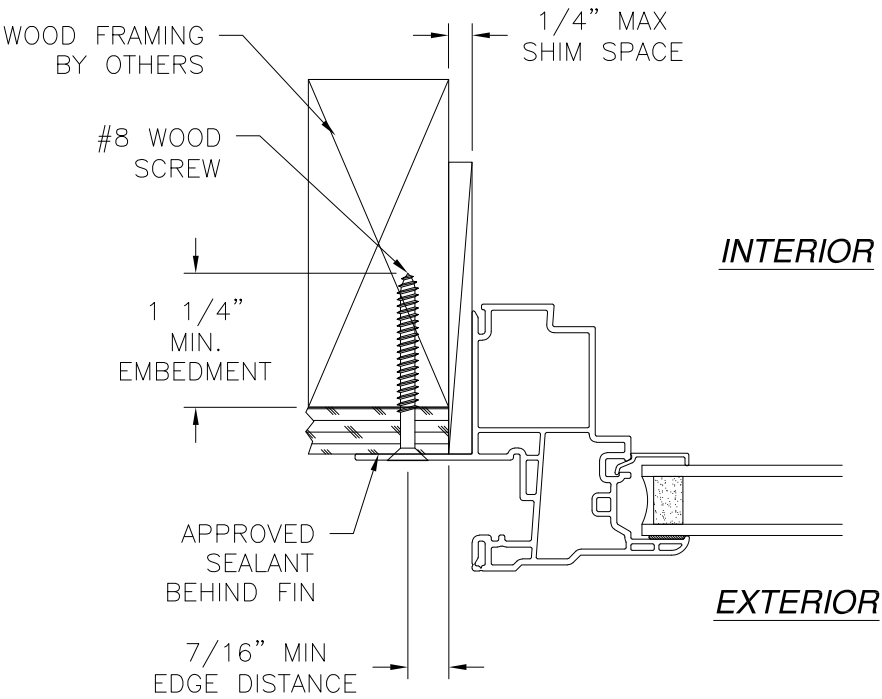


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



INTERIOR

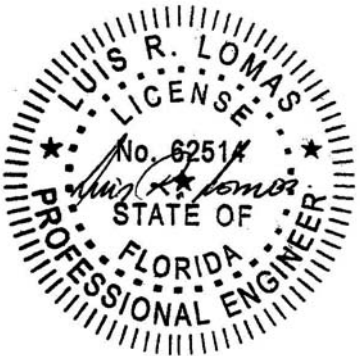
EXTERIOR

JAMB INSTALLATION DETAIL
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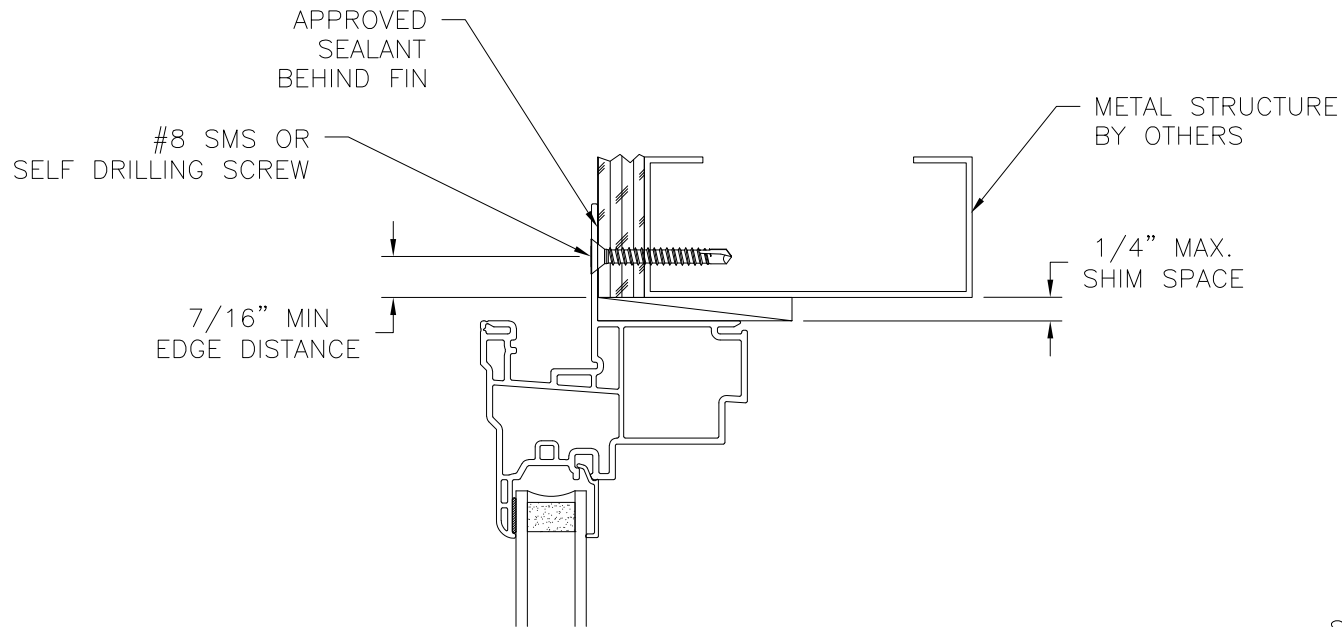
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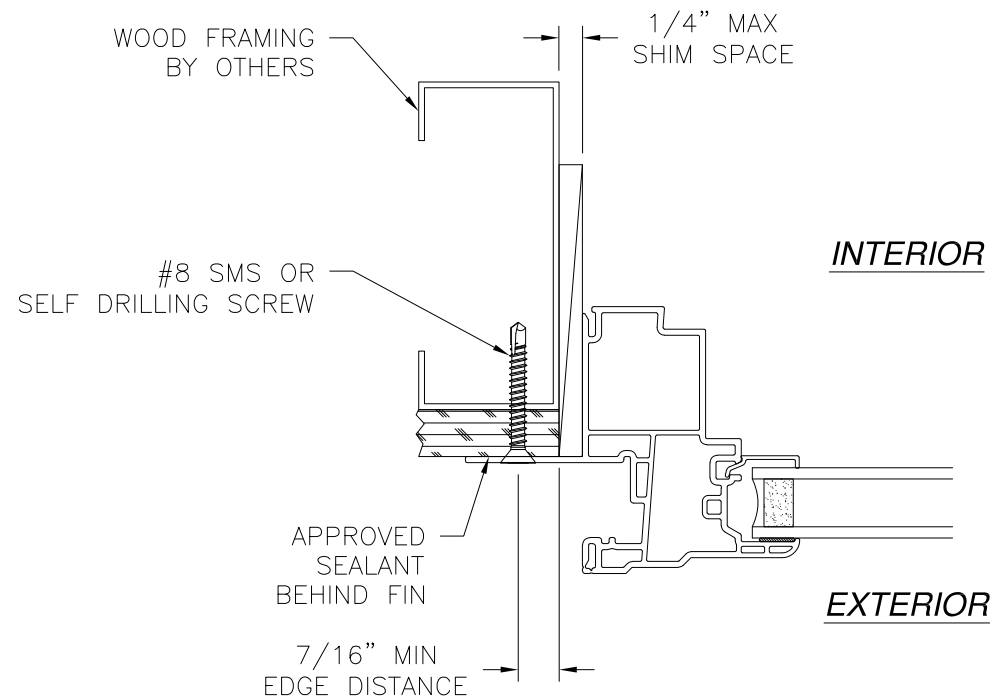
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EXTERIOR

INTERIOR

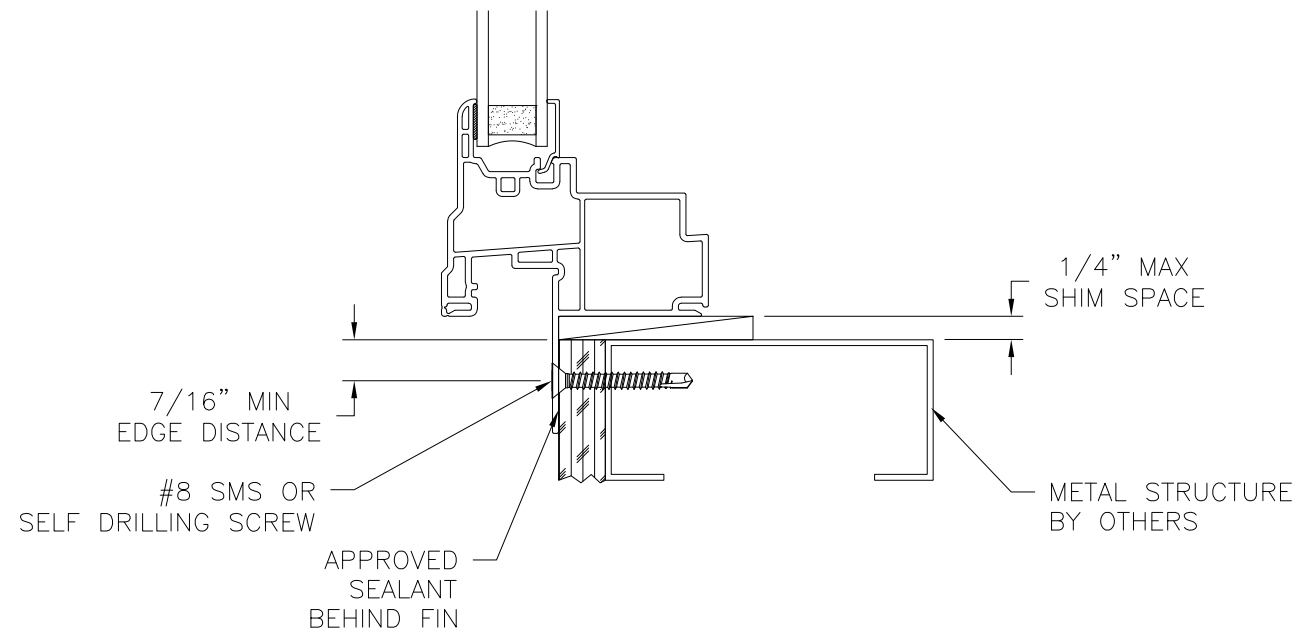


INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

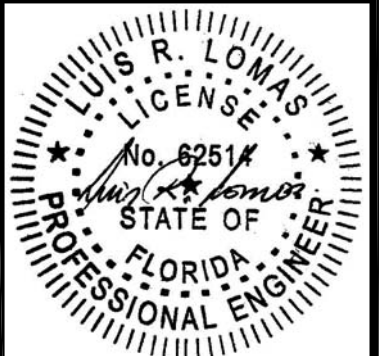
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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