

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	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 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” 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 2,000 PSI.
 - 19.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH f’m=2,000PSI MINIMUM.
 - 19.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	DP CHART AND HORIZONTAL CROSS SECTION
4 – 8	INSTALLATION DETAILS

MAGNOLIA WINDOW & DOOR
1000 PYRATICH DR.
BALDWIN, GA 30511

400 VINYL TRIPLE PICTURE WINDOW
NON-IMPACT 108” X 84”
NOTES

DRAWN:
N.G.

DWG NO.
08-02879

REV
A

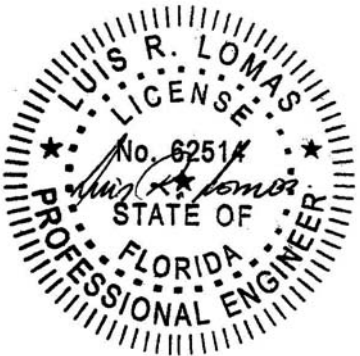
SCALE NTS

DATE 03/02/2016

SHEET 1 OF 8

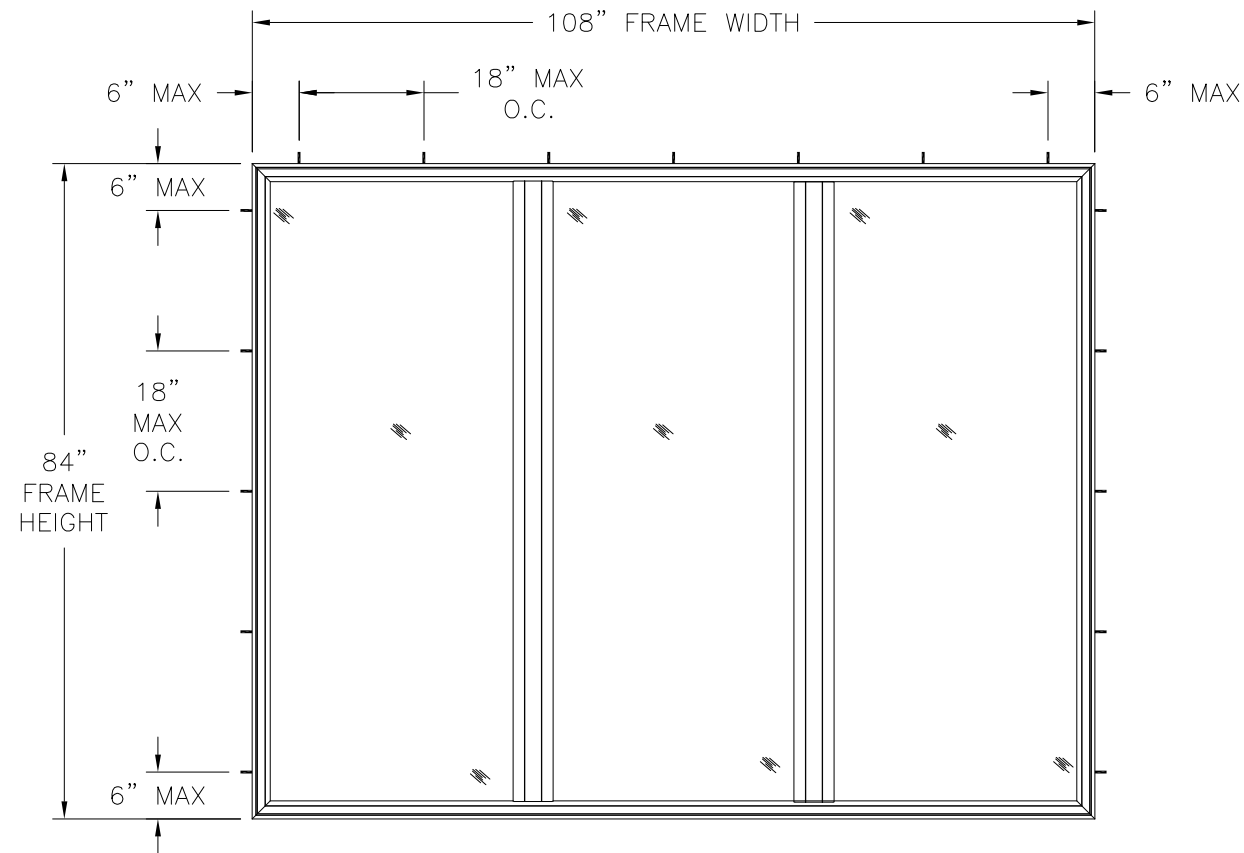
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 09/28/2023

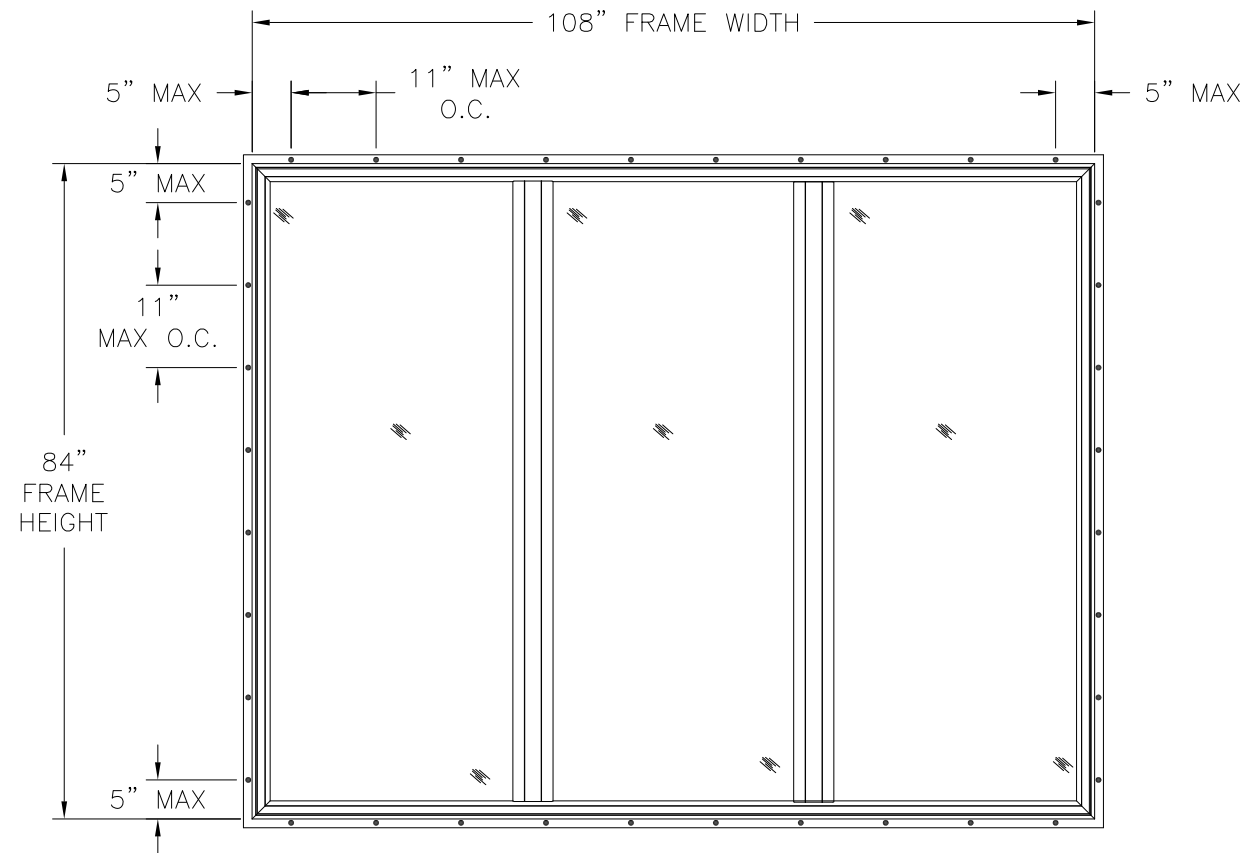


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	R.L.



400 TRIPLE PICTURE WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



400 TRIPLE PICTURE WINDOW
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
± 20.0 PSF	NONE

SEE OTHER SIZES, SEE CHART #1 SHEET 3

NOTES:

1. D.L.O.: 31" x 79 3/8"
2. (2) 1/4" x 1/8" WEEP SLOT AT 2 1/2" FROM EACH END OF EXTERIOR FACE AT SILL
3. (2) 3/8" DIAMETER WEEP HOLE AT 4" FROM EACH END OF GLAZING BEAD POCKET AT SILL
4. (2) 3/16" DIAMETER VENT RELIEF HOLE AT 6" FROM HEAD END OF INTERMEDIATE FACE AT JAMB

HARDWARE SCHEDULE

A. EXTRUDED ALUMINUM REINFORCEMENT (T-11975) AT INTEGRAL MULLION

SIGNED: 09/28/2023

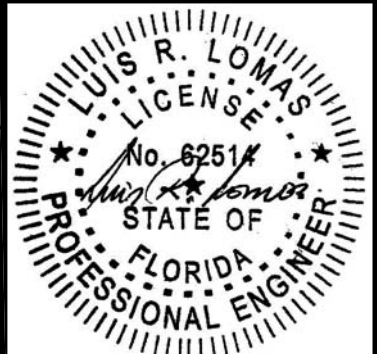
MAGNOLIA WINDOW & DOOR

1000 PYRATICH DR.
BALDWIN, GA 30511

400 VINYL TRIPLE PICTURE WINDOW
NON-IMPACT 108" X 84"
ELEVATIONS

DRAWN:	DWG NO.	REV
N.G.	08-02879	A
SCALE NTS	DATE 03/02/2016	SHEET 2 OF 8

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



Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	R.L.

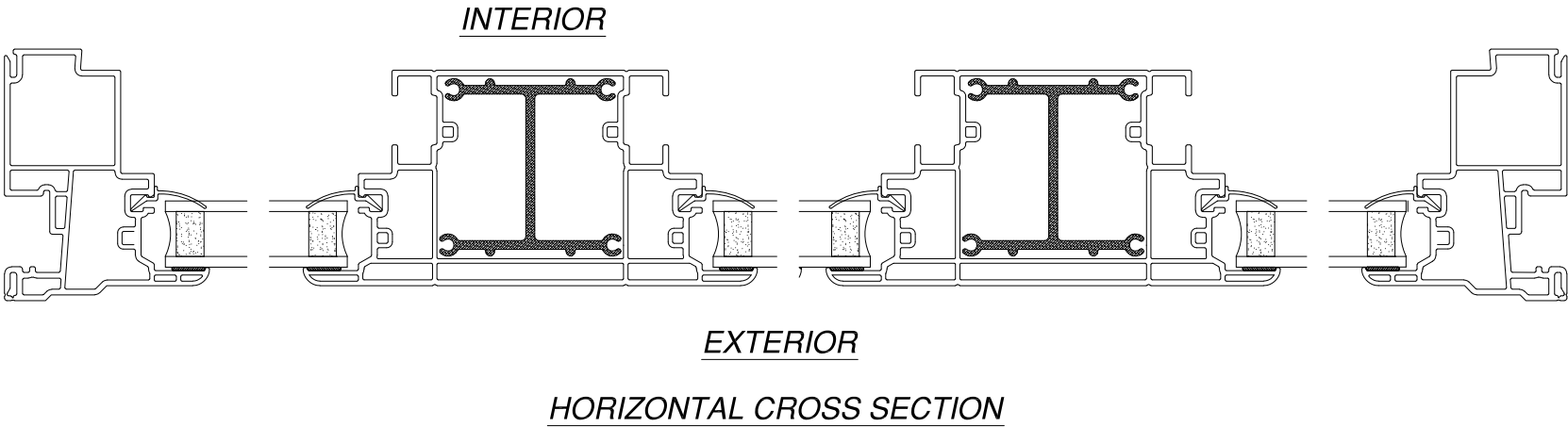


Chart #1
Maximum Design pressure (psf)

Frame Height (in)	Frame Width (in)											
	72.0		84		96.0		108		120.0		126.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
42.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
48.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
54.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
60.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	29.7	29.7	29.0	29.0
66.0	30.0	30.0	30.0	30.0	29.7	29.7	27.5	27.5	25.8	25.8	25.1	25.1
72.0	30.0	30.0	29.3	29.3	26.5	26.5	24.4	24.4	22.8	22.8	22.2	22.2
78.0	30.0	30.0	26.5	26.5	24.0	24.0	22.0	22.0	-	-	-	-
84.0	27.5	27.5	24.2	24.2	21.8	21.8	20.0	20.0	-	-	-	-
90.0	23.3	23.3	20.2	20.2	17.9	17.9	-	-	-	-	-	-
96.0	19.1	19.1	16.5	16.5	-	-	-	-	-	-	-	-
102.0	15.9	15.9	-	-	-	-	-	-	-	-	-	-

SIGNED: 09/28/2023

MAGNOLIA WINDOW & DOOR
1000 PYRATICH DR.
BALDWIN, GA 30511

400 VINYL TRIPLE PICTURE WINDOW
NON-IMPACT 108" X 84"
DP CHART AND HORIZONTAL CROSS SECTION

DRAWN:
N.G.

DWG NO.
08-02879

REV
A

SCALE
NTS

DATE
03/02/2016

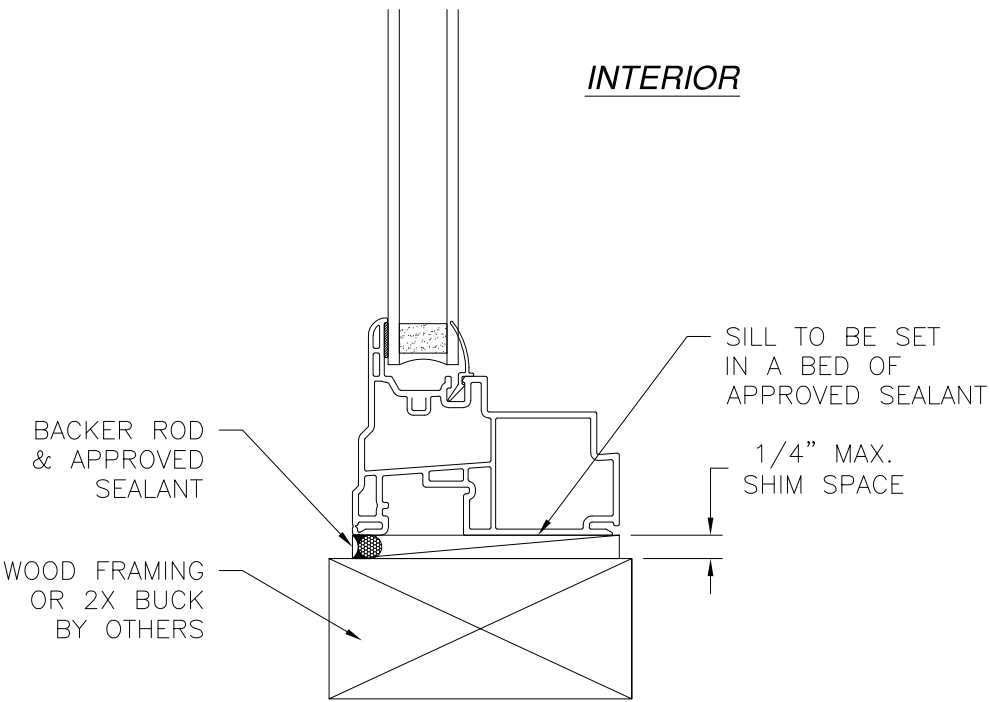
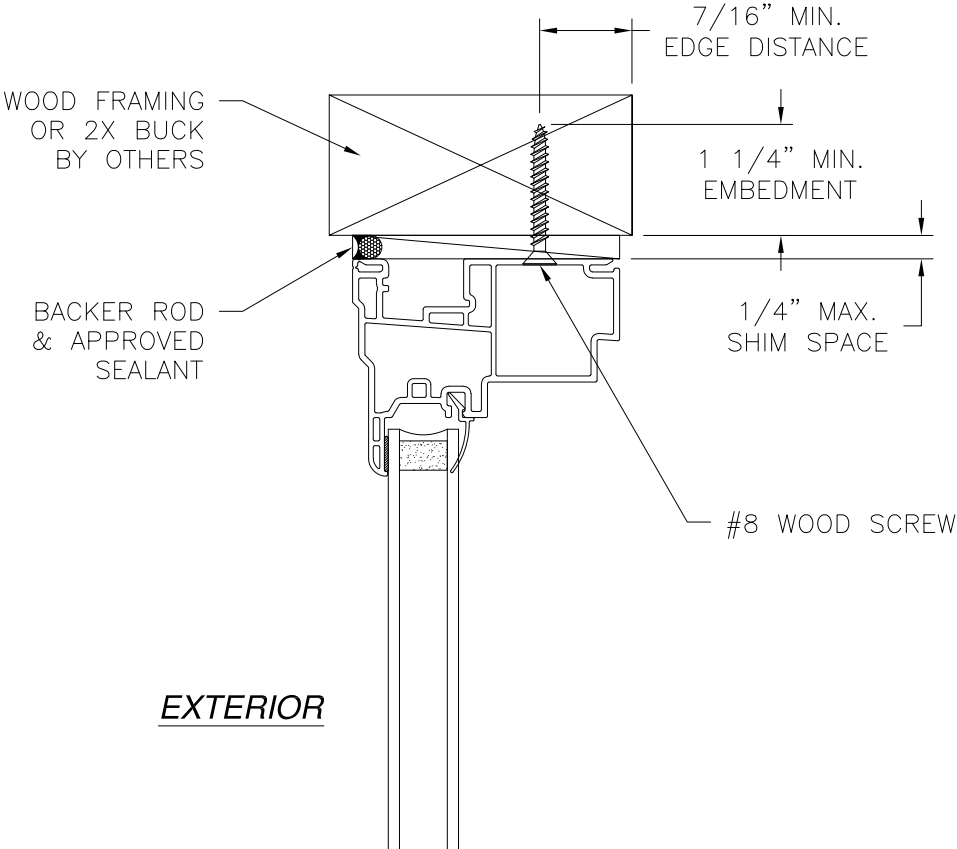
SHEET
3 OF 8

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

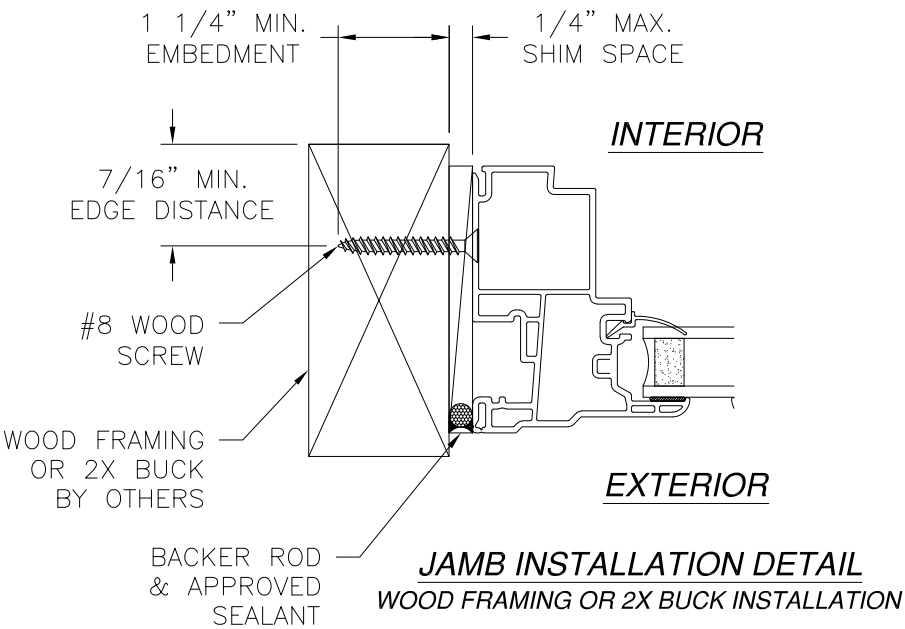
LUIS R. LOMAS
LICENSED P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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

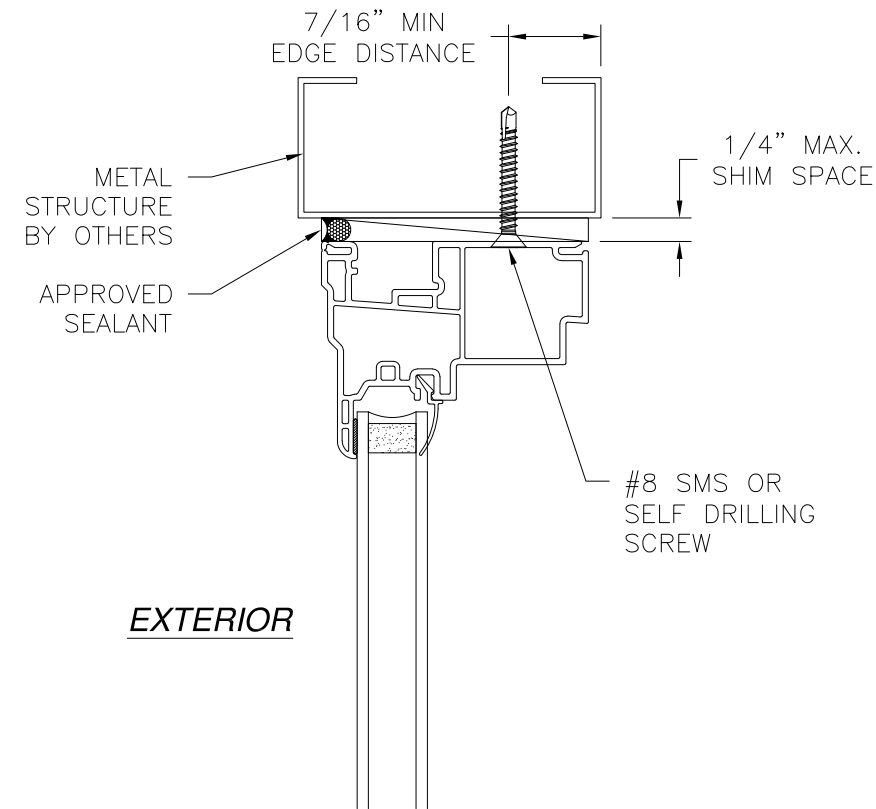
SIGNED: 09/28/2023

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TRIPLE PICTURE WINDOW NON-IMPACT 108" X 84" INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02879	REV A
SCALE NTS	DATE 03/02/2016	SHEET 4 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



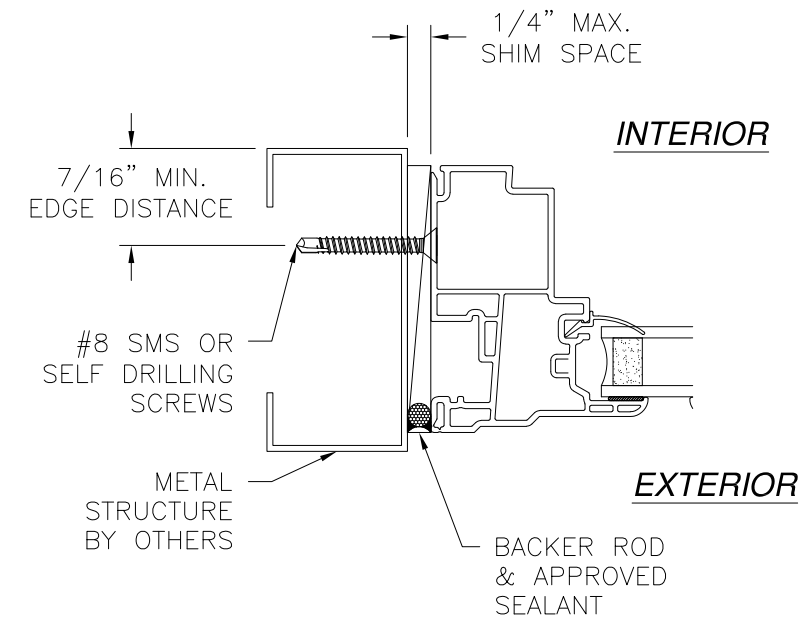
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	R.L.



EXTERIOR

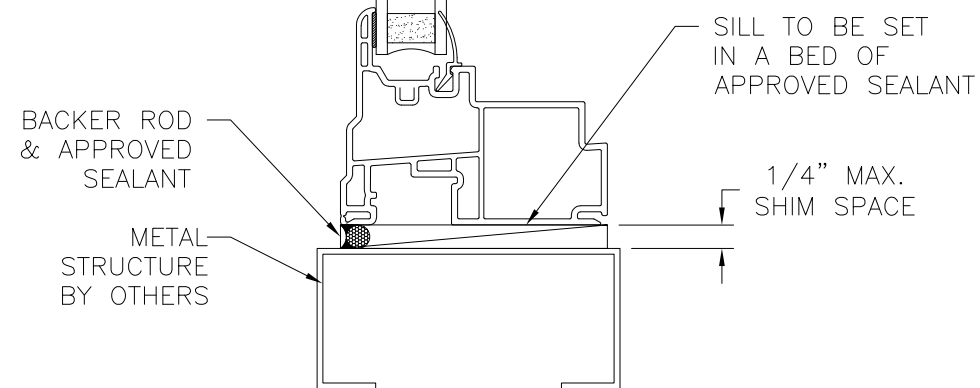
INTERIOR



INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

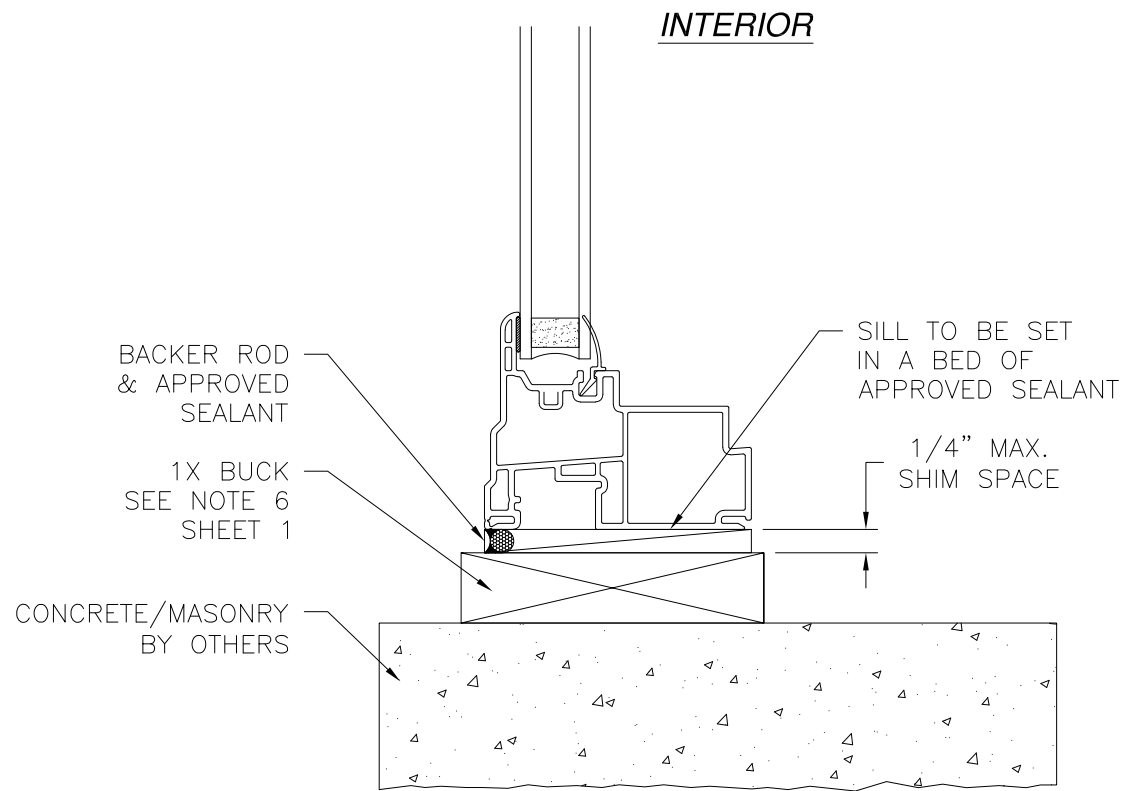
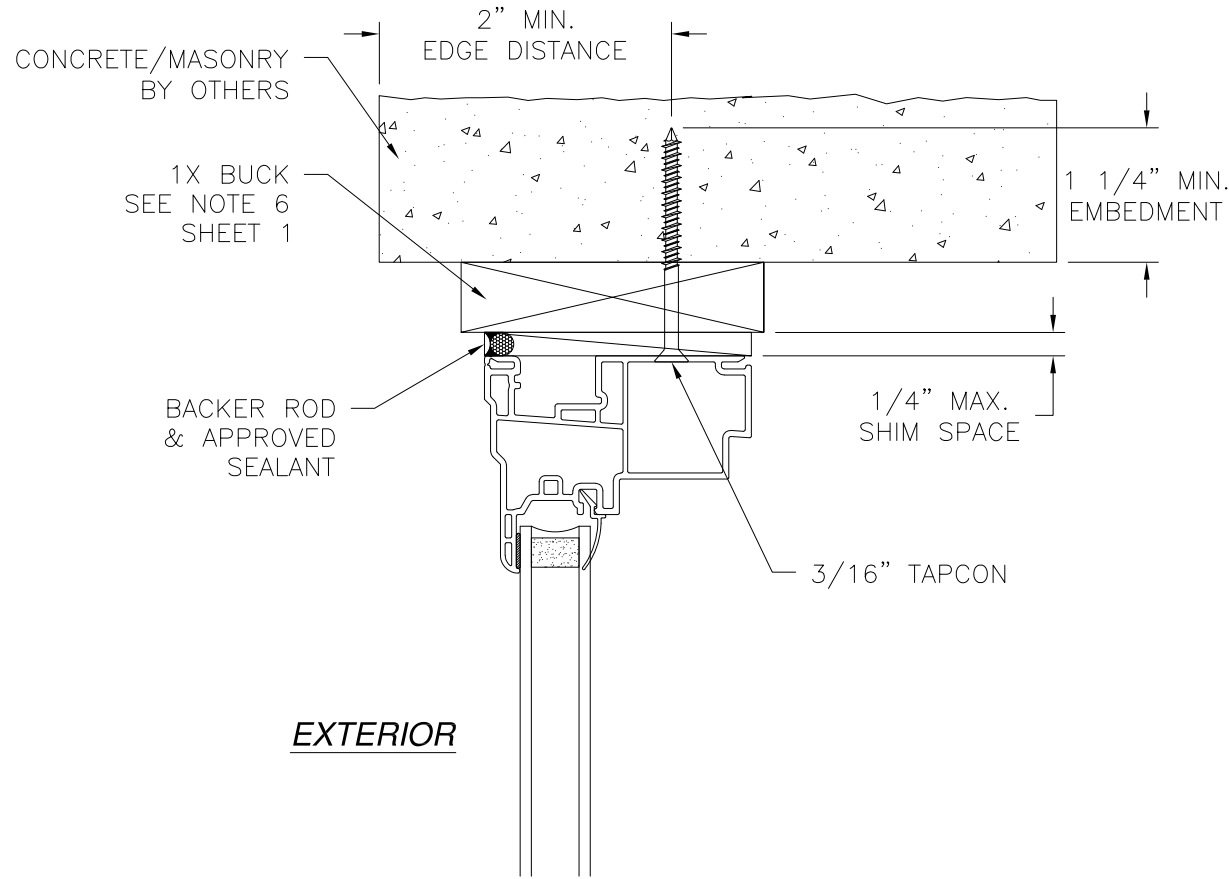
NOTES:

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**

SIGNED: 09/28/2023

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TRIPLE PICTURE WINDOW NON-IMPACT 108" X 84" INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02879	REV A
SCALE NTS	DATE 03/02/2016	SHEET 5 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

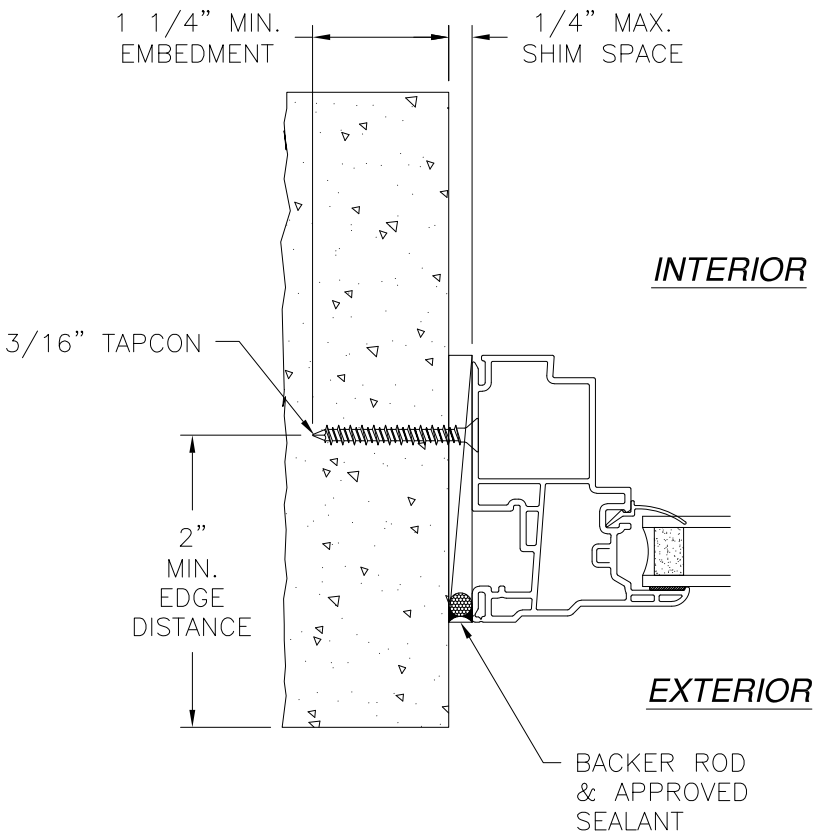
Luis R. Lomas P.E.
FL No.: 62514



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

- 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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	R.L.



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

MAGNOLIA WINDOW & DOOR
1000 PYRATICH DR.
BALDWIN, GA 30511

400 VINYL TRIPLE PICTURE WINDOW
NON-IMPACT 108" X 84"
INSTALLATION DETAILS

DRAWN:
N.G.

DWG NO.
08-02879

REV
A

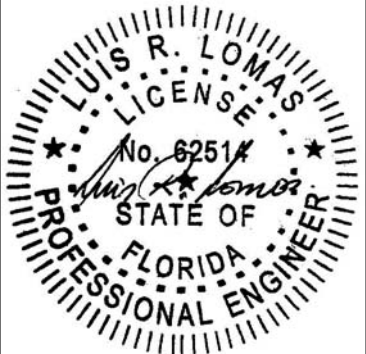
SCALE
NTS

DATE
03/02/2016

SHEET
6 OF 8

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

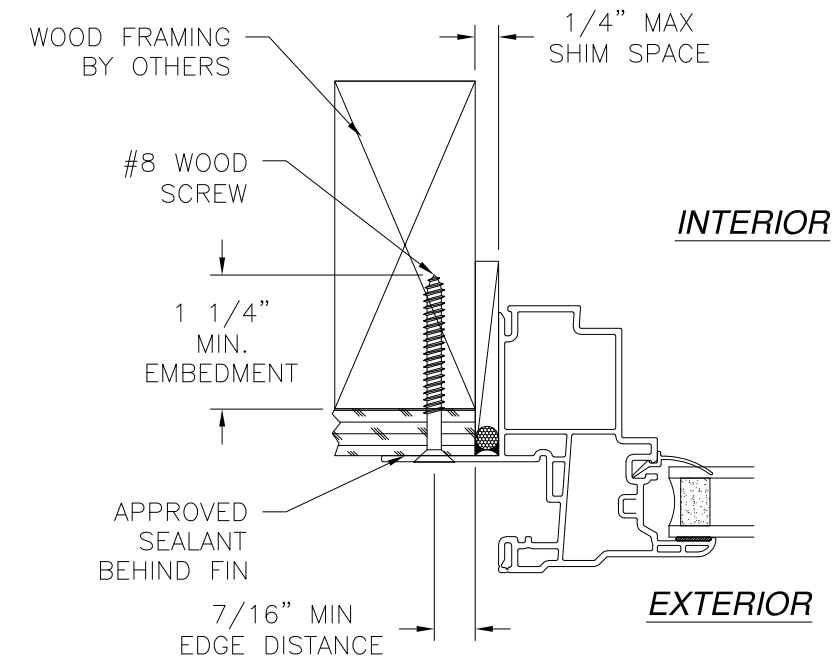
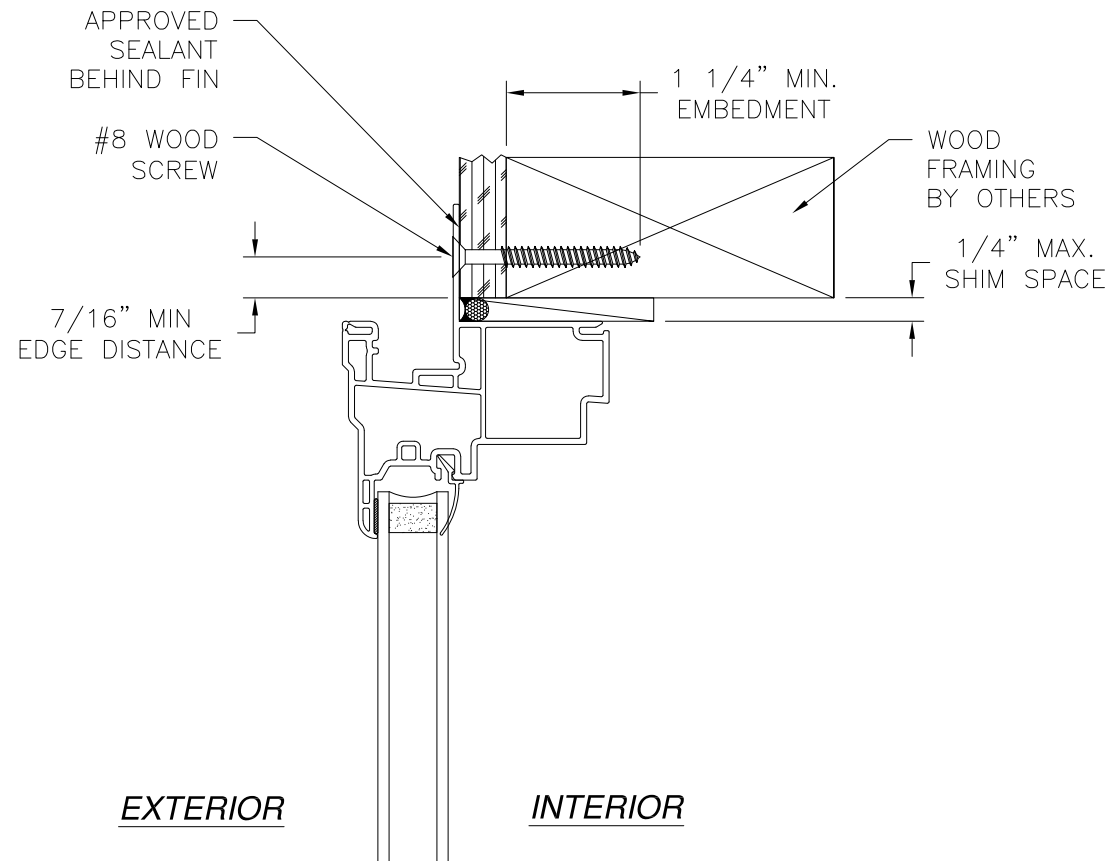
SIGNED: 09/28/2023



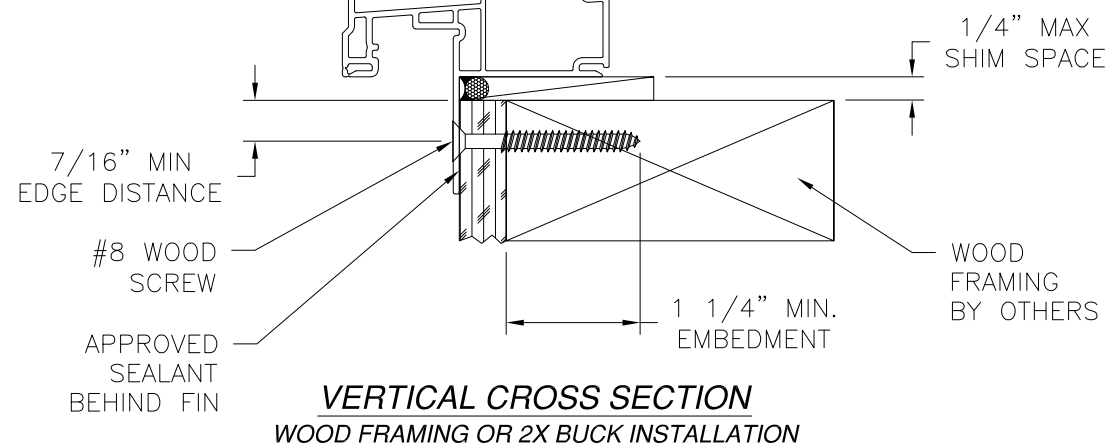
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	R.L.



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

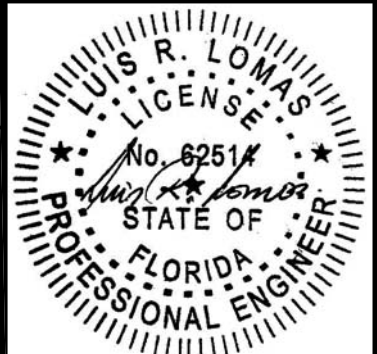
SIGNED: 09/28/2023

MAGNOLIA WINDOW & DOOR

1000 PYRATICH DR.
BALDWIN, GA 30511

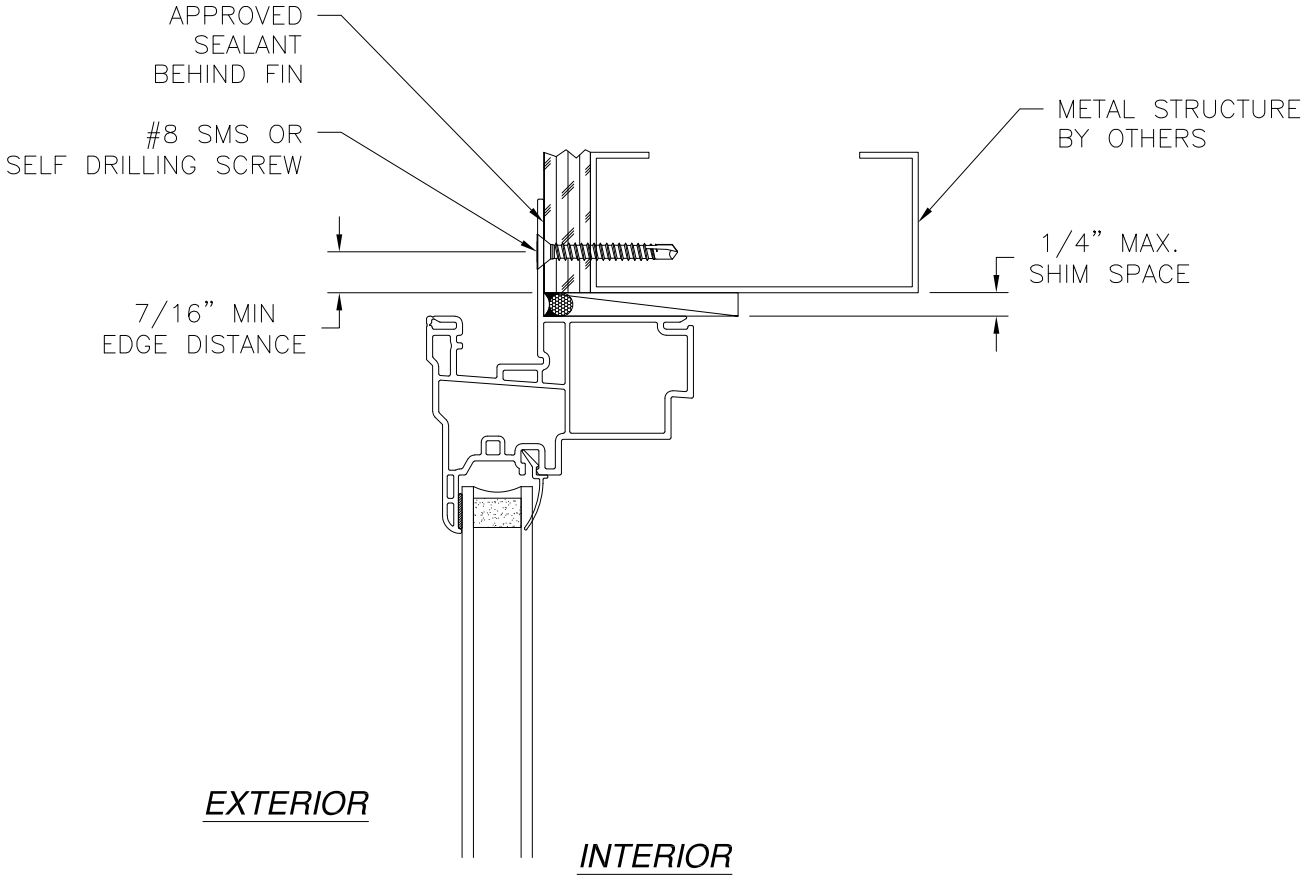
400 VINYL TRIPLE PICTURE WINDOW
NON-IMPACT 108" X 84"
INSTALLATION DETAILS

DRAWN: N.G.	DWG NO. 08-02879	REV A
SCALE NTS	DATE 03/02/2016	SHEET 7 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

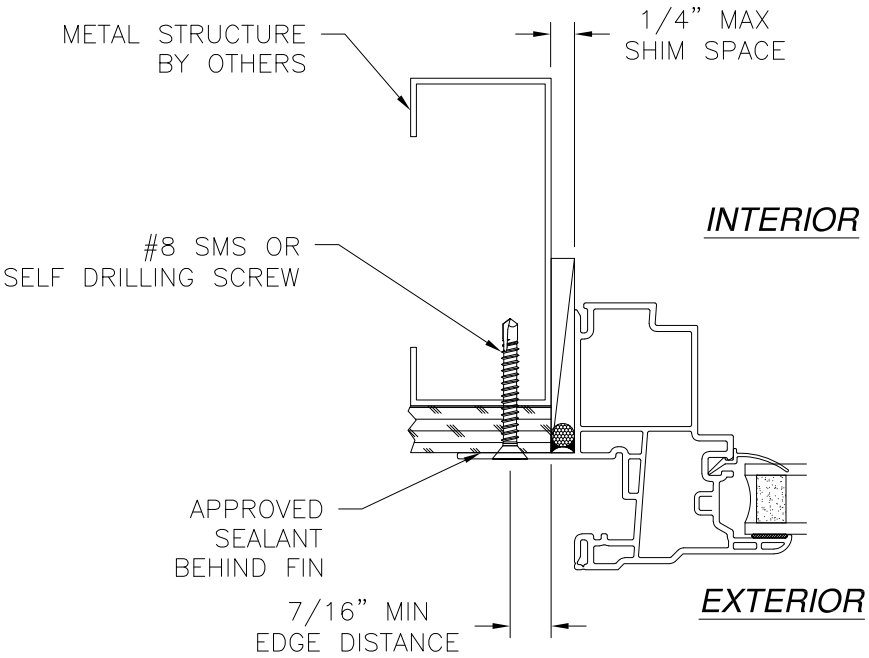


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

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

SIGNED: 09/28/2023

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TRIPLE PICTURE WINDOW NON-IMPACT 108" X 84" INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02879	REV A
SCALE NTS	DATE 03/02/2016	SHEET 8 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



Luis R. Lomas P.E.
FL No.: 62514