

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 SINGLE HUNG WINDOW
NON-IMPACT 108” X 63”
NOTES

DRAWN:
N.G.

DWG NO.
08-02873

REV
A

SCALE NTS

DATE 02/22/2016

SHEET 1 OF 8

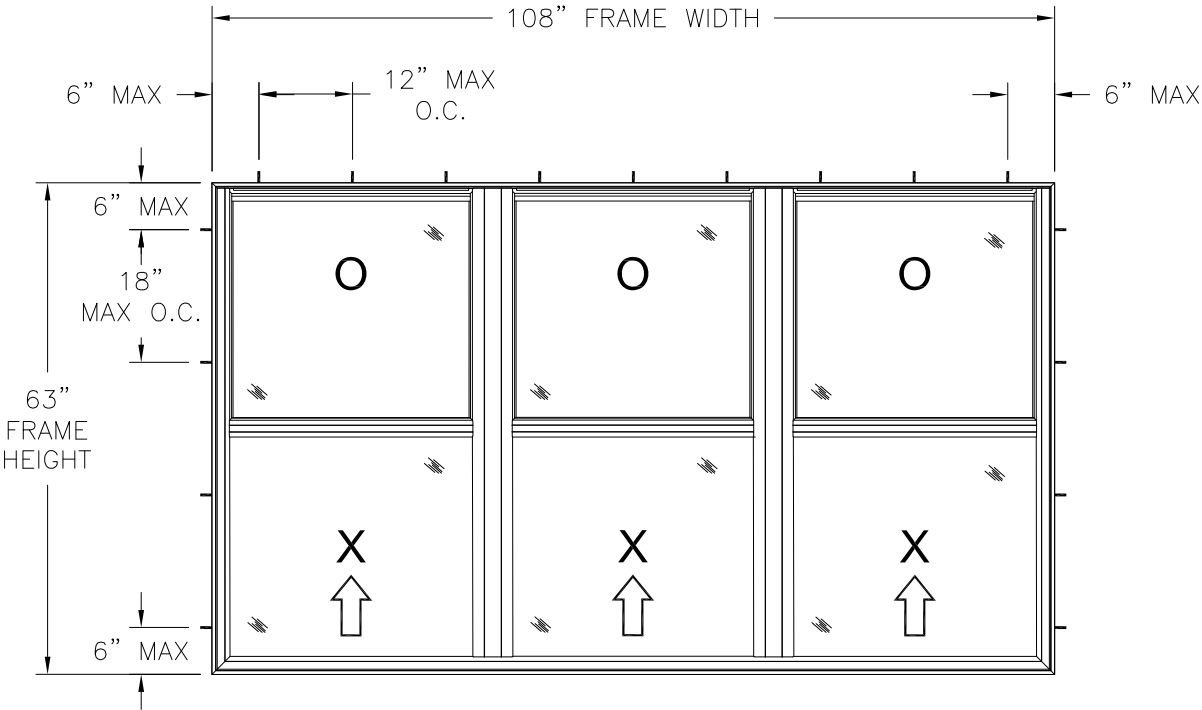
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/09/2023

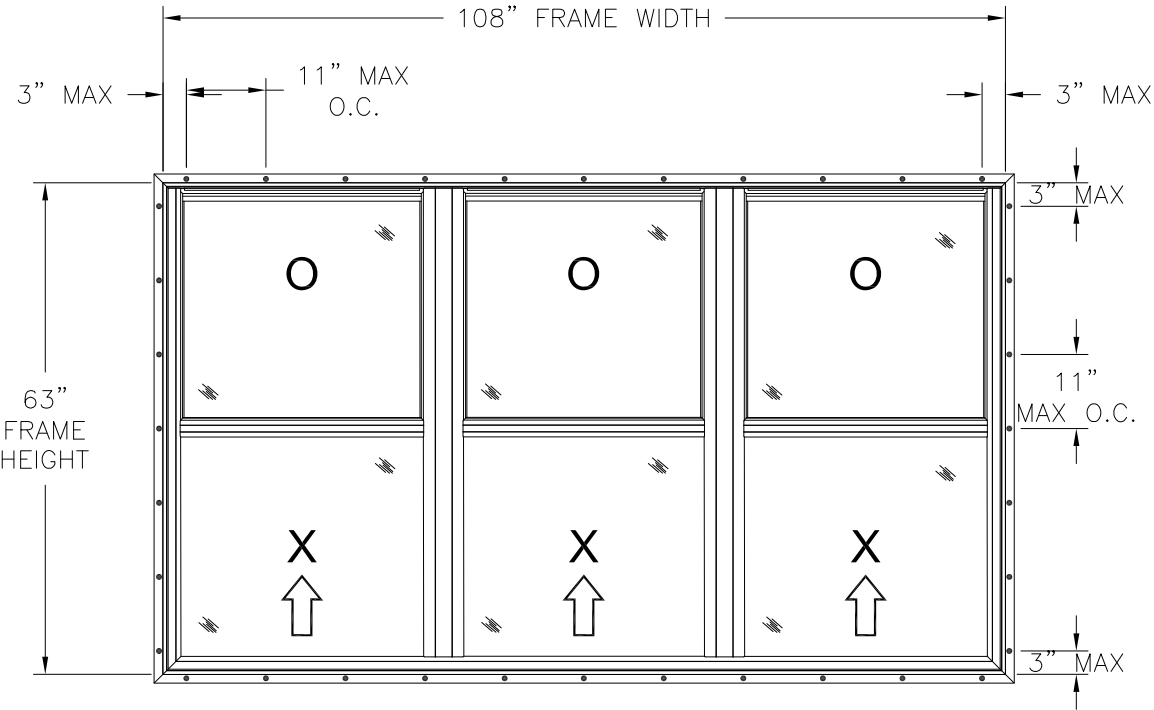


Luis R. Lomas P.E.
FL No.: 62514

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



400 VINYL TRIPLE SINGLE HUNG WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



400 VINYL TRIPLE SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±35.0PSF	NONE

SEE OTHER SIZES, SEE CHART #1 SHEET 3

NOTES:

1. SASH SIZE: 32 7/8" X 30 1/2"
2. D.L.O.: 31" X 27 15/16"
3. (6) 3/16" WEEP HOLE AT 4 3/4" FROM EACH END OF EXTERIOR MEETING RAIL
4. (6) 3/16" X 3/8" WEEP SLOT AT 2 3/4" FROM EACH EN BOTTOM RAIL
5. (6) 2 3/8" NOTCHING AT 7/8" FROM EACH END OF SILL LEGS

HARDWARE SCHEDULE	
A.	(2 PER SASH) CAMLOCK WITH KEEPER AT 8 1/4" FROM EACH END OF INTERIOR MEETING RAIL
B.	(1 PER JAMB) BLOCK AND TACKLE BALANCE SYSTEM W/SHOE AT JAMB POCKET 2" FROM THE HEAD
C.	(2 PER SASH) FLUSH MOUNT TILT LATCH AT INTERIOR MEETING RAIL
D.	(2 PER SASH) PIVOT BAR AT BOTTOM RAIL
E.	ALUMINUM REINFORCEMENT (T-11820) AT INTERIOR MEETING RAIL
F.	ALUMINUM REINFORCEMENT (T-11974) AT EXTERIOR MEETING RAIL
G.	ALUMINUM REINFORCEMENT (T-11975) AT INTEGRAL MULLIONS

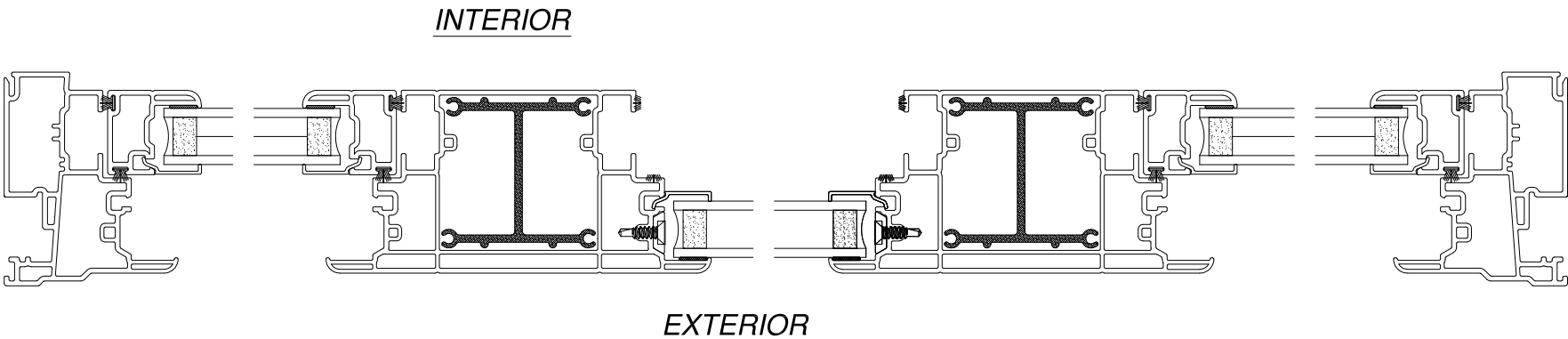
SIGNED: 10/09/2023

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TRIPLE SINGLE HUNG WINDOW NON-IMPACT 108" X 63" ELEVATIONS		
DRAWN: N.G.	DWG NO. 08-02873	REV A
SCALE NTS	DATE 02/22/2016	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.



HORIZONTAL CROSS SECTION

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
30.0	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5
36.0	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5
42.0	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5
48.0	35.0	52.5	35.0	52.5	35.0	52.5	35.0	52.5	35.0	50.6	35.0	50.0
54.0	35.0	52.5	35.0	50.6	35.0	46.6	35.0	43.8	35.0	41.7	35.0	40.9
60.0	35.0	49.2	35.0	44.0	35.0	40.3	35.0	37.5	-	-	-	-
63.0	35.0	46.3	35.0	41.3	35.0	37.7	35.0	35.0	-	-	-	-
66.0	35.0	42.1	35.0	36.8	32.9	32.9	-	-	-	-	-	-
72.0	32.1	32.1	28.0	28.0	-	-	-	-	-	-	-	-
78.0	25.1	25.1	21.8	21.8	-	-	-	-	-	-	-	-
84.0	20.0	20.0	-	-	-	-	-	-	-	-	-	-

SIGNED: 10/09/2023

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

400 VINYL TRIPLE SINGLE HUNG WINDOW
NON-IMPACT 108" X 63"
DP CHART AND HORIZONTAL CROSS SECTION

DRAWN:
N.G.

DWG NO.
08-02873

REV
A

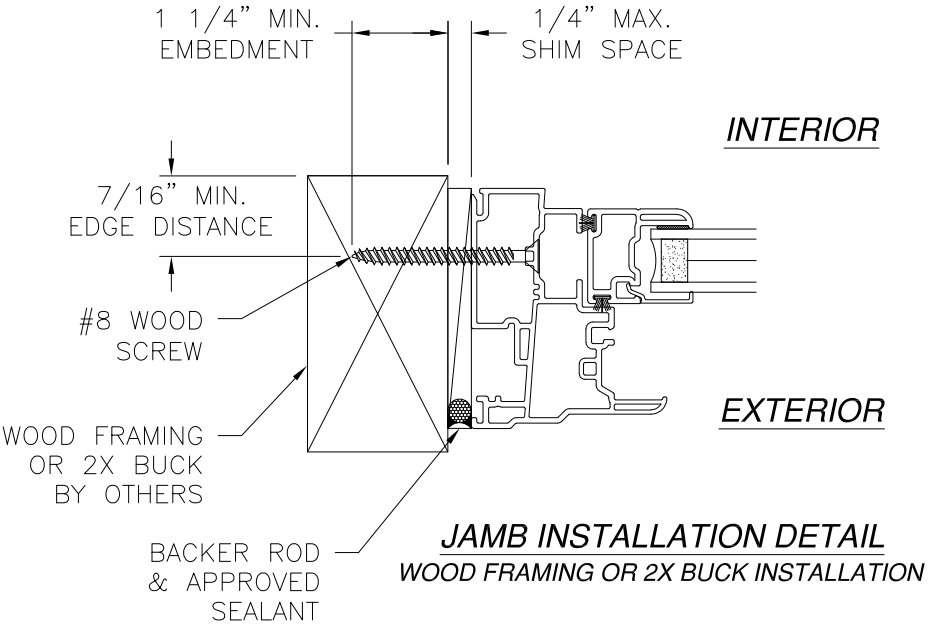
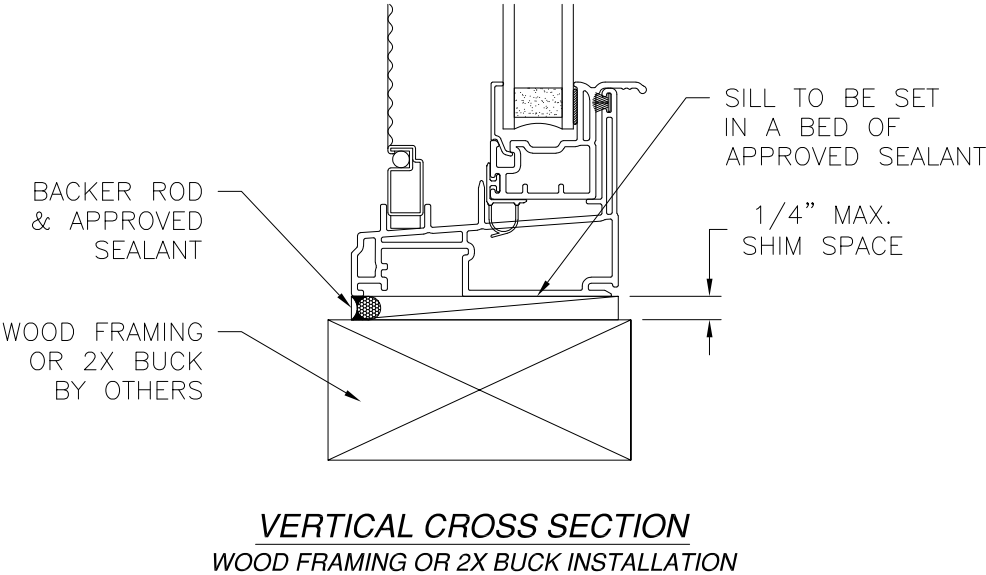
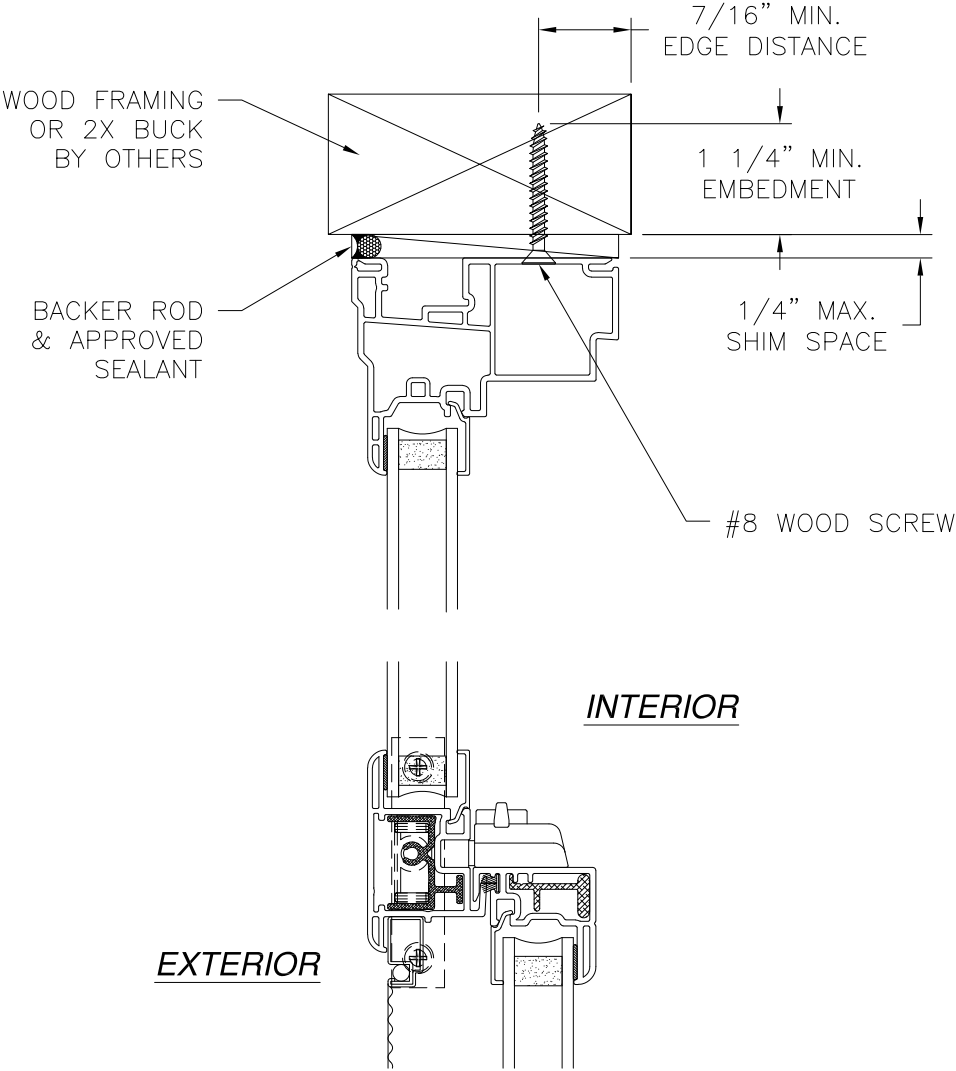
SCALE
NTS

DATE
02/22/2016

SHEET
3 OF 8

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

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



- 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.

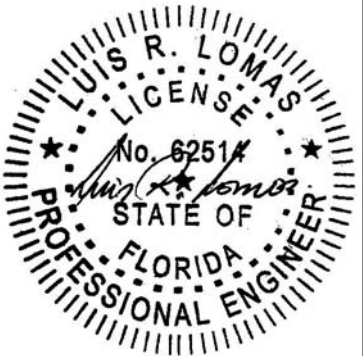
MAGNOLIA WINDOW & DOOR
1000 PYRATICH DR.
BALDWIN, GA 30511

400 VINYL TRIPLE SINGLE HUNG WINDOW
NON-IMPACT 108" X 63"
INSTALLATION DETAILS

DRAWN: N.G.	DWG NO. 08-02873	REV A
SCALE NTS	DATE 02/22/2016	SHEET 4 OF 8

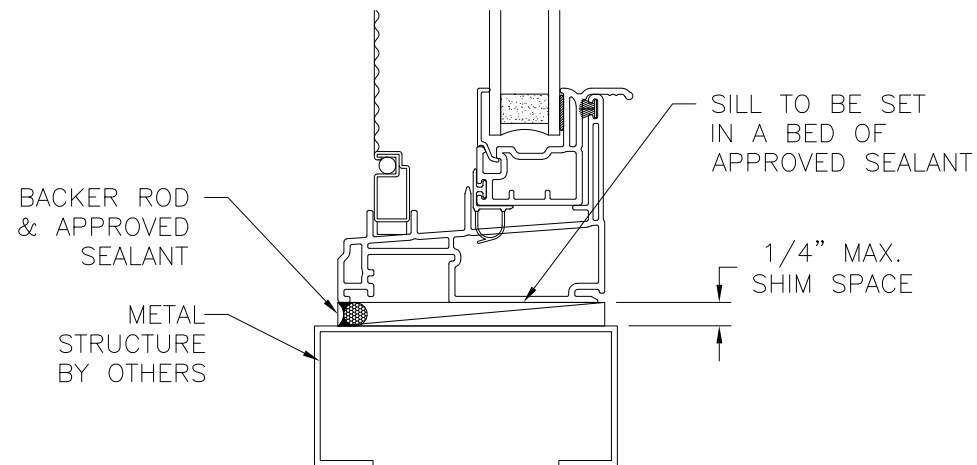
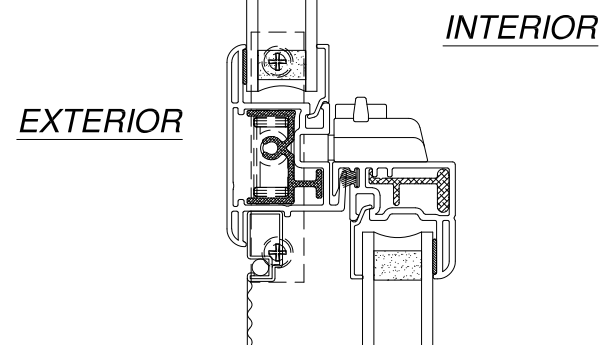
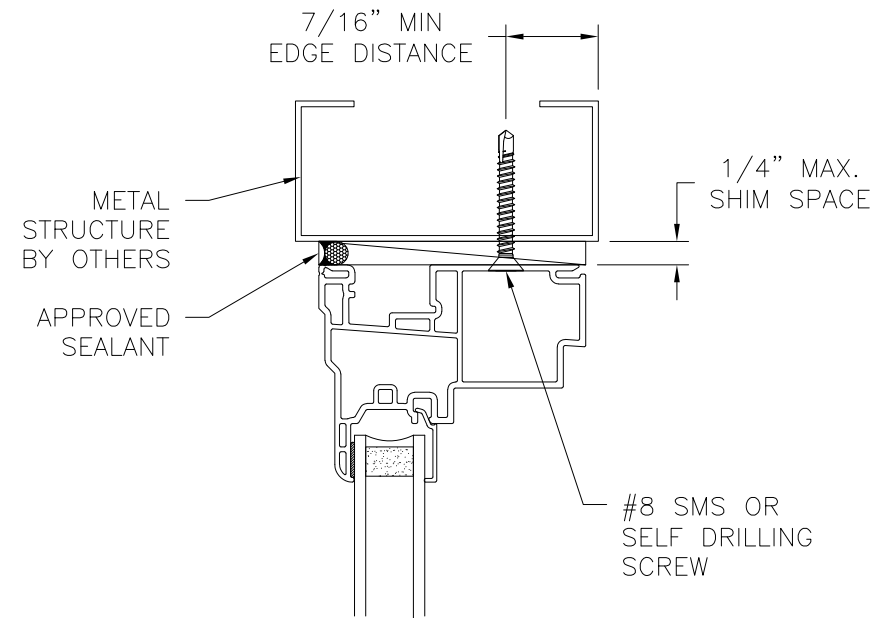
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/09/2023

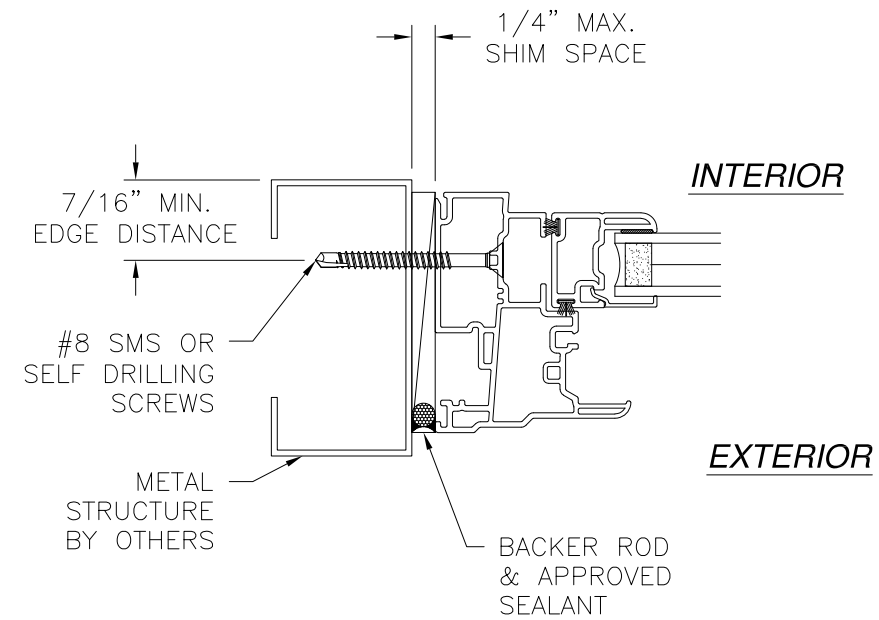


Luis R. Lomas P.E.
FL No.: 62514

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:

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: 10/09/2023

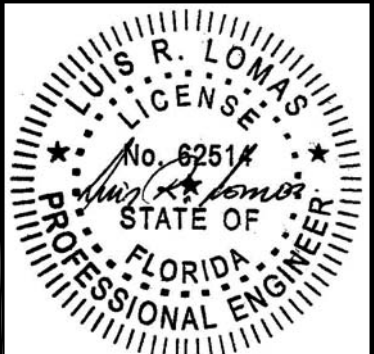
MAGNOLIA WINDOW & DOOR

1000 PYRATICH DR.
BALDWIN, GA 30511

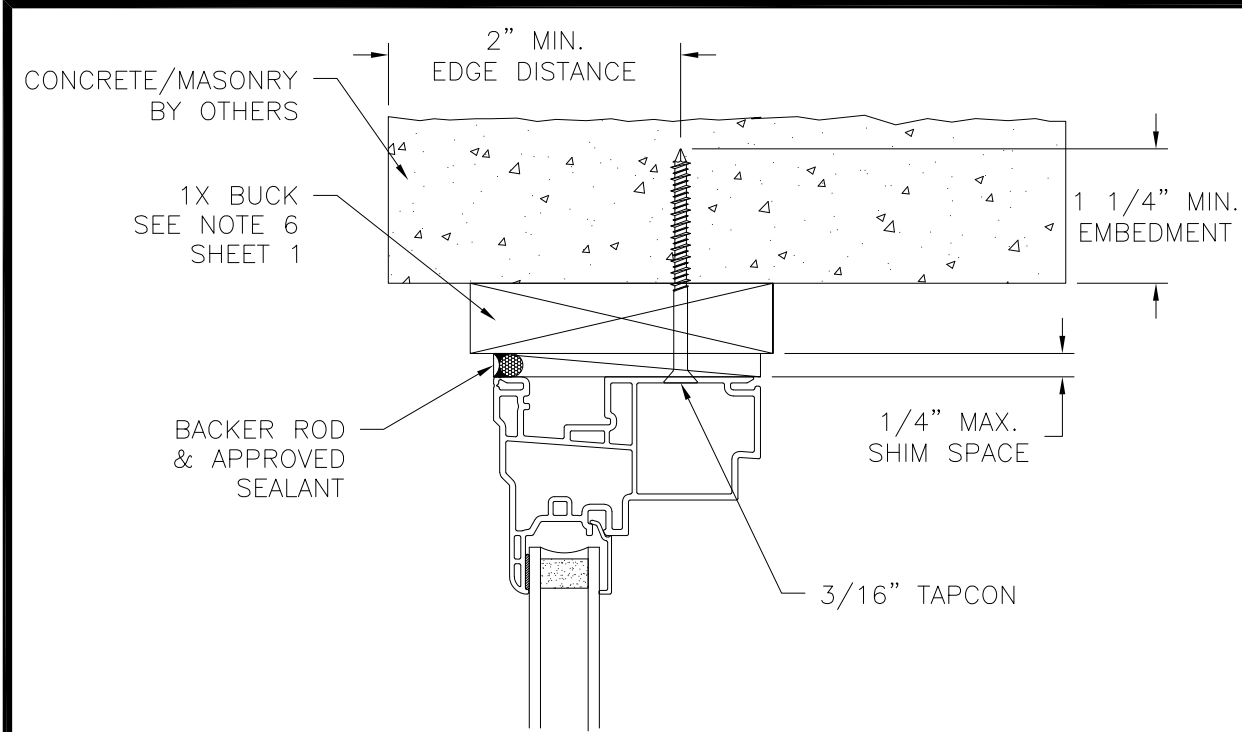
400 VINYL TRIPLE SINGLE HUNG WINDOW
NON-IMPACT 108" X 63"
INSTALLATION DETAILS

DRAWN: N.G.	DWG NO. 08-02873	REV A
SCALE NTS	DATE 02/22/2016	SHEET 5 OF 8

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

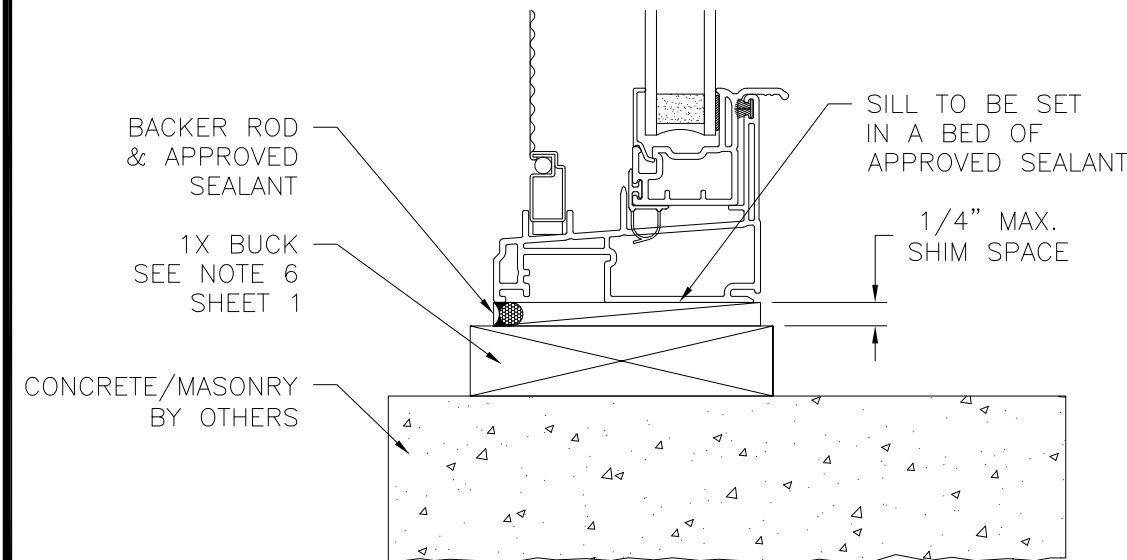


Luis R. Lomas P.E.
FL No.: 62514



INTERIOR

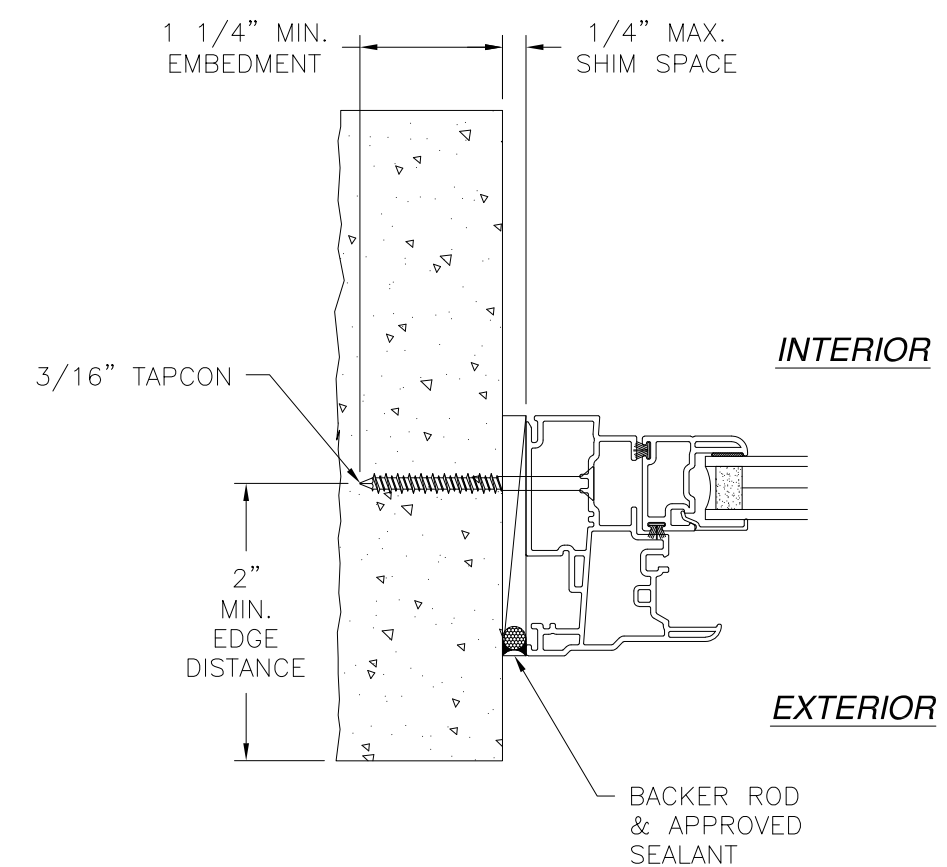
EXTERIOR



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 WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

SIGNED: 10/09/2023

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

400 VINYL TRIPLE SINGLE HUNG WINDOW
NON-IMPACT 108" X 63"
INSTALLATION DETAILS

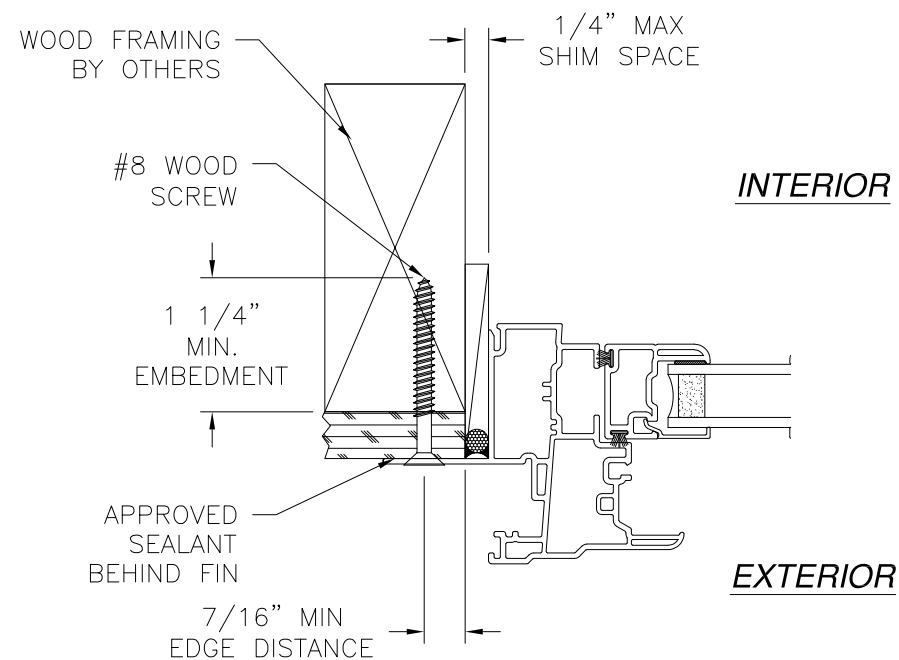
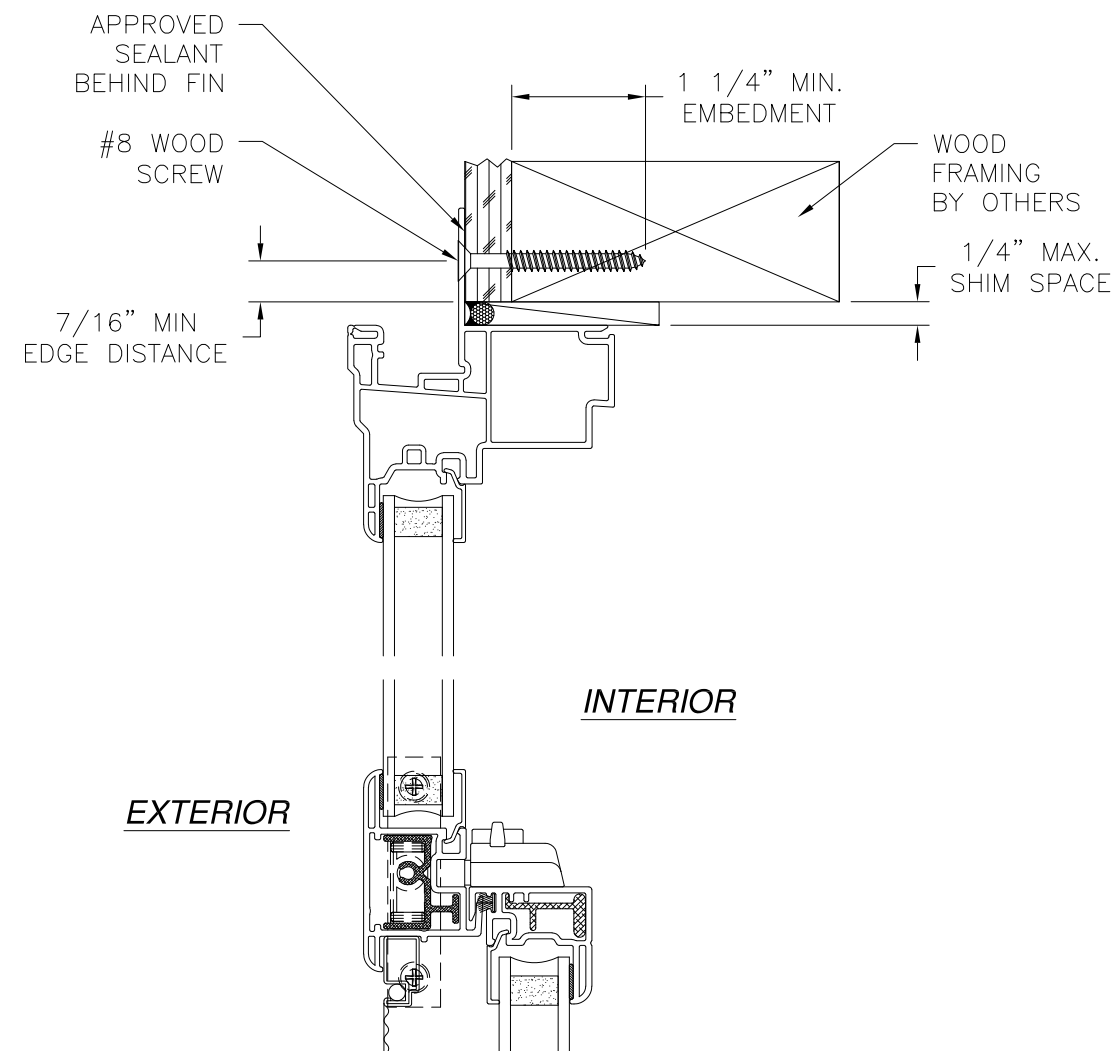
DRAWN: N.G.
SCALE NTS
DATE 02/22/2016
SHEET 6 OF 8

DWG NO. 08-02873
REV A
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

Luis R. Lomas
Professional Engineer
State of Florida
No. 62514

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

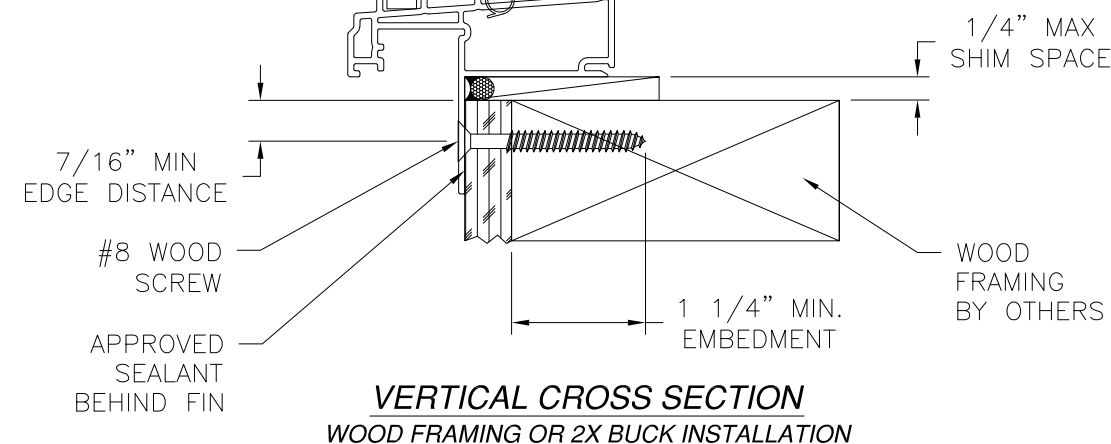
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW CODE	09/22/2023	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

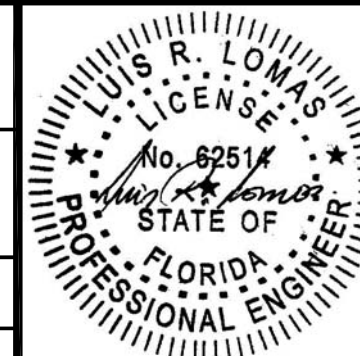
NOTES:

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

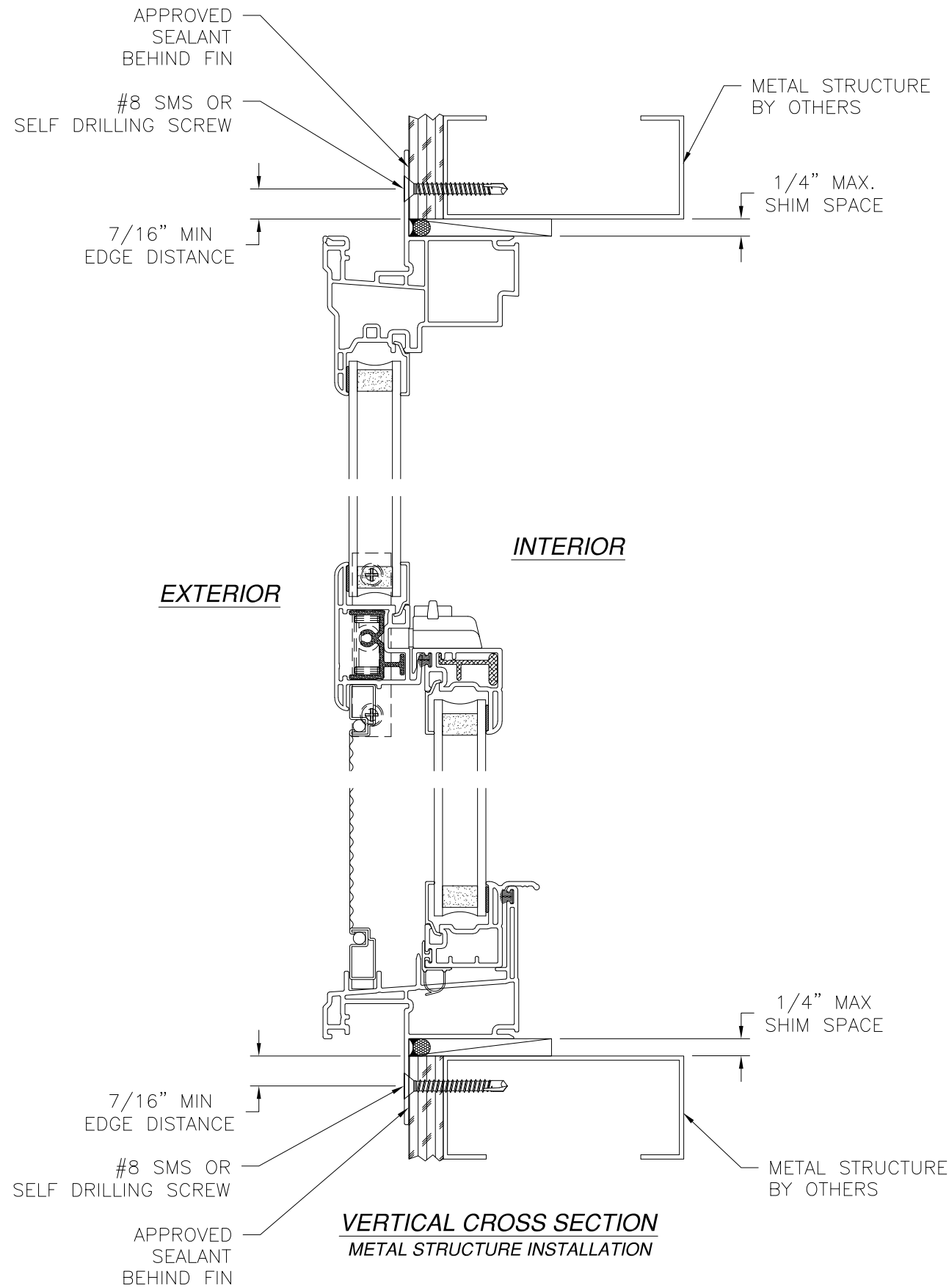


SIGNED: 10/09/2023

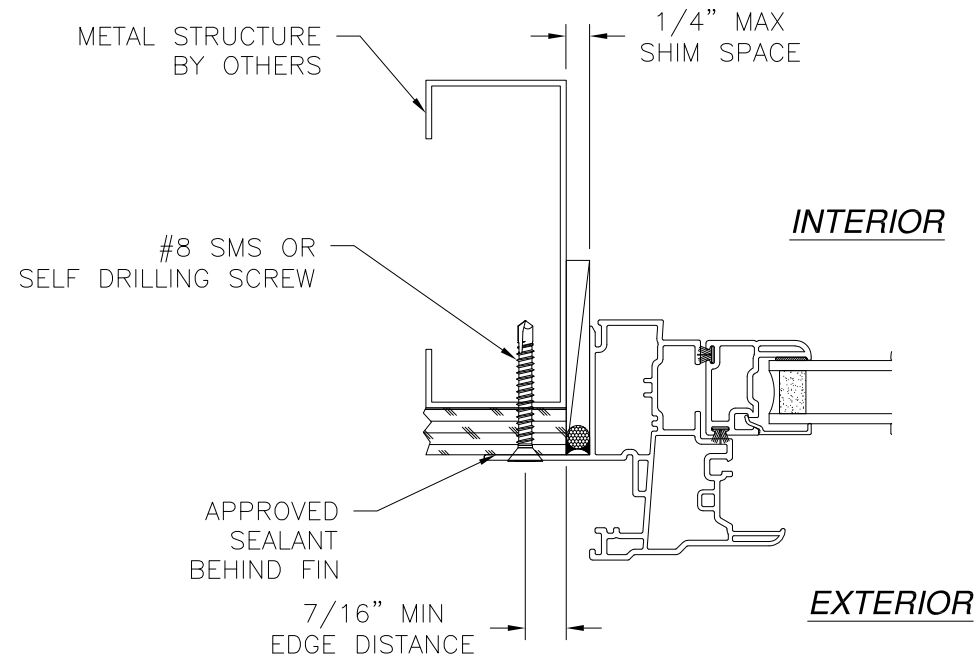
MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TRIPLE SINGLE HUNG WINDOW NON-IMPACT 108" X 63" INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02873	REV A
SCALE NTS	DATE 02/22/2016	SHEET 7 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
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

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

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TRIPLE SINGLE HUNG WINDOW NON-IMPACT 108" X 63" INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02873	REV A
SCALE NTS	DATE 02/22/2016	SHEET 8 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 10/09/2023

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