

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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

SIGNED: 08/05/2026

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3 – 7	INSTALLATION DETAILS
8	COMPONENTS

MAGNOLIA WINDOW & DOOR

1000 PYRATICH DR.
BALDWIN, GA 30511

400 VINYL TWIN SINGLE HUNG
NON-IMPACT 72” X 72”
NOTES

DRAWN:
R.L.

DWG NO.
08-04171

REV
-

SCALE NTS

DATE 09/08/25

SHEET 1 OF 8

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENSE

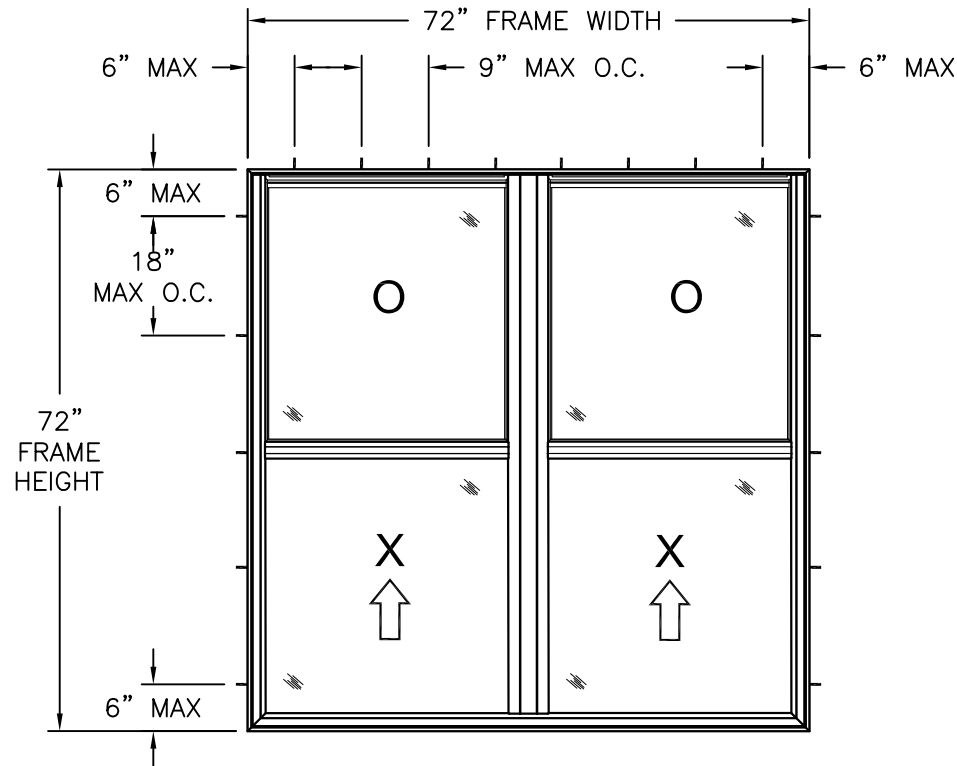
No. 62514

STATE OF FLORIDA

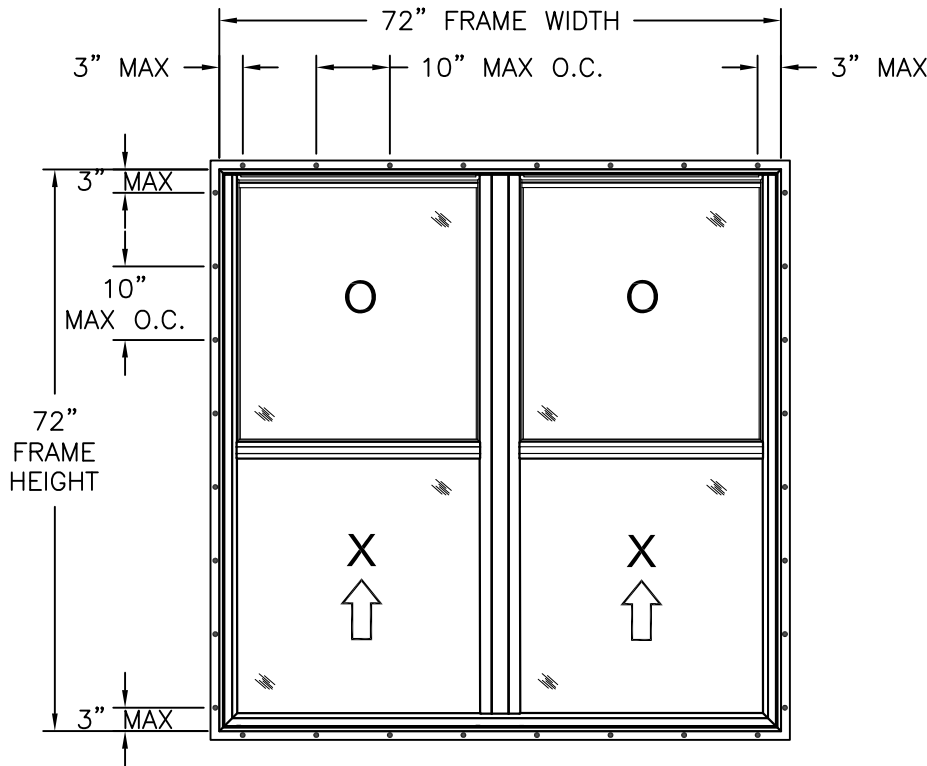
PROFESSIONAL ENGINEER

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



400 VINYL TWIN SINGLE HUNG WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



400 VINYL TWIN SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

FOR OTHER SIZES SEE CHART #1 SHEET 2

Chart #1
Rating (psf)

Frame Height (in)	Frame Width (in)							
	48.00		56.00		64.00		72.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
42.00	50.0	75.0	50.0	75.0	50.0	75.0	50.0	75.0
48.00	50.0	75.0	50.0	75.0	50.0	75.0	50.0	75.0
54.00	50.0	75.0	50.0	75.0	50.0	75.0	50.0	75.0
60.00	50.0	75.0	50.0	75.0	50.0	69.0	50.0	64.3
66.00	50.0	75.0	50.0	66.8	50.0	60.8	50.0	56.3
72.00	50.0	67.5	50.0	59.9	50.0	54.2	50.0	50.0
78.00	50.0	55.3	48.1	48.1	42.8	42.8	-	-
84.00	44.1	44.1	38.2	38.2	-	-	-	-
90.00	35.7	35.7	30.9	30.9	-	-	-	-
96.00	29.3	29.3	-	-	-	-	-	-

- NOTES:
1. SASH SIZE: 32 7/8" X 35"
2. D.L.O.: 31" X 32 1/2"

HARDWARE SCHEDULE

A.	(2 PER SASH) CAM LOCK 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" BELOW HEAD
C.	(2 PER SASH) TOP MOUNT TILT LATCH AT INTERIOR MEETING RAIL
D.	(2 PER SASH) PIVOT BAR AT BOTTOM RAIL
E.	ALUMINUM REINFORCEMENT (058288) AT INTERIOR MEETING RAIL
F.	ALUMINUM REINFORCEMENT (058287) AT EXTERIOR MEETING RAIL
G.	ALUMINUM REINFORCEMENT (058328) AT INTEGRAL MULLIONS
H.	STEEL REINFORCEMENT (ST 1789A) AT SASH STILES
I.	STEEL REINFORCEMENT (ST 1791A) AT EXTERIOR MEETING RAIL

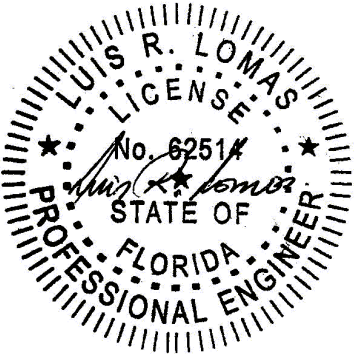
SIGNED: 08/05/2026

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

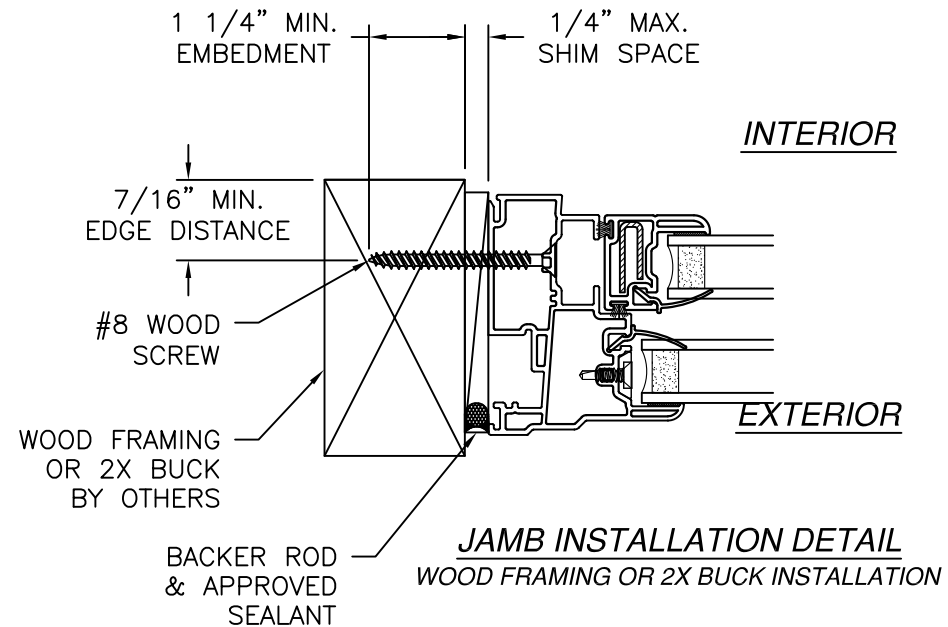
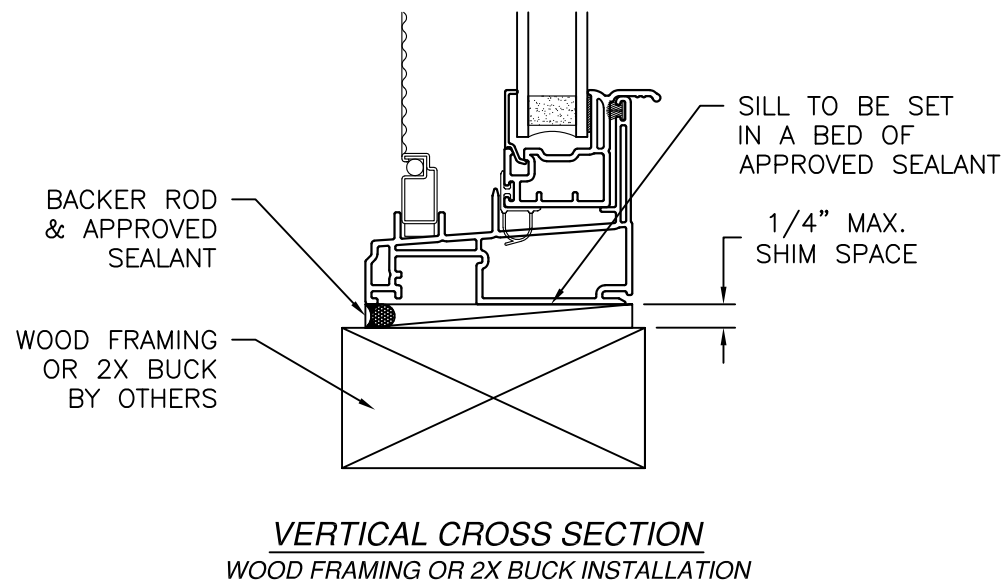
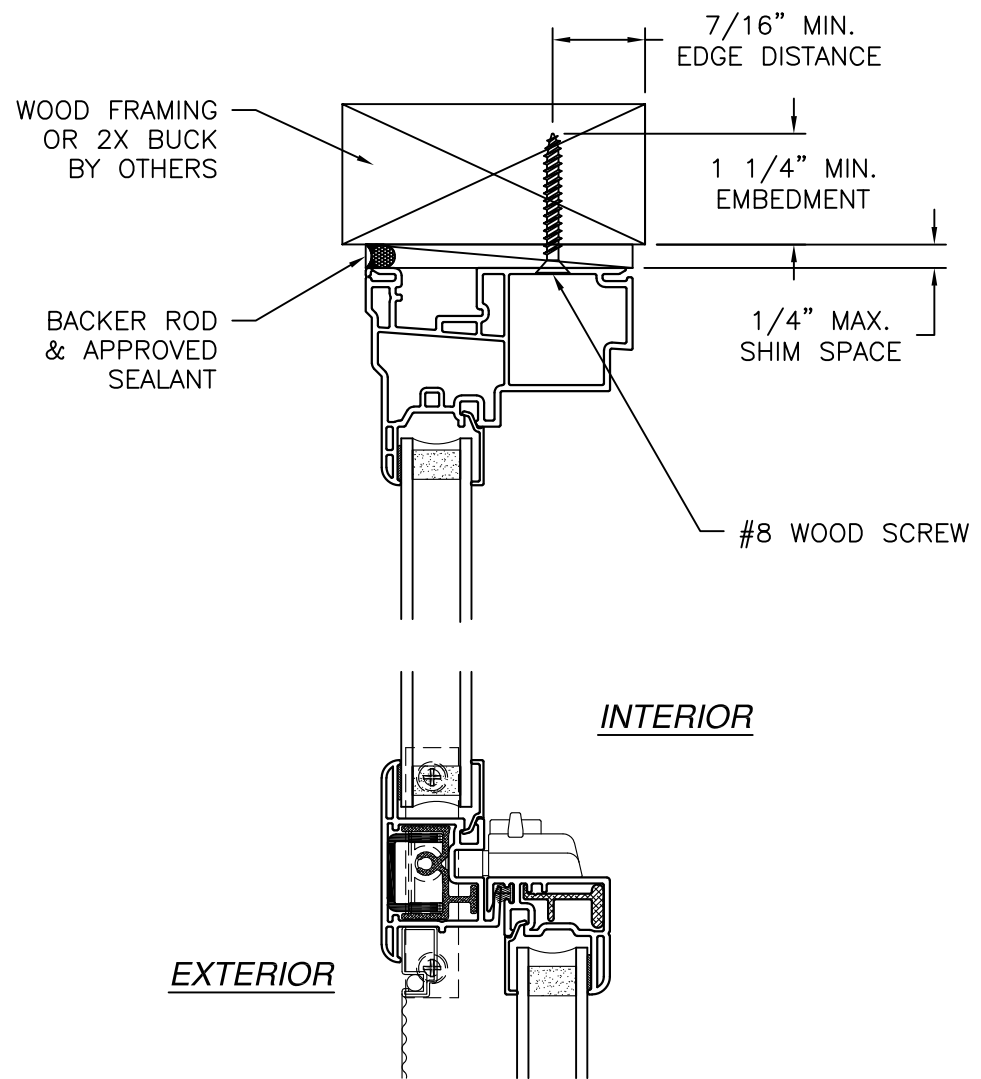
400 VINYL TWIN SINGLE HUNG
NON-IMPACT 72" X 72"
ELEVATIONS

DRAWN: R.L.	DWG NO. 08-04171	REV -
SCALE NTS	DATE 09/08/25	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



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

MAGNOLIA WINDOW & DOOR

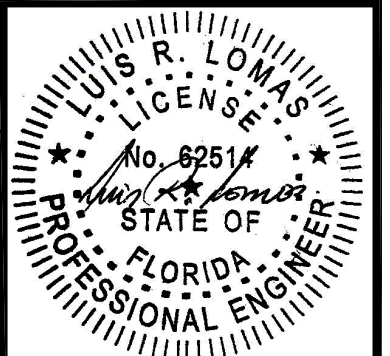
1000 PYRATICH DR.
BALDWIN, GA 30511

400 VINYL TWIN SINGLE HUNG
NON-IMPACT 72" X 72"
INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-04171	REV -
SCALE NTS	DATE 09/08/25	SHEET 3 OF 8

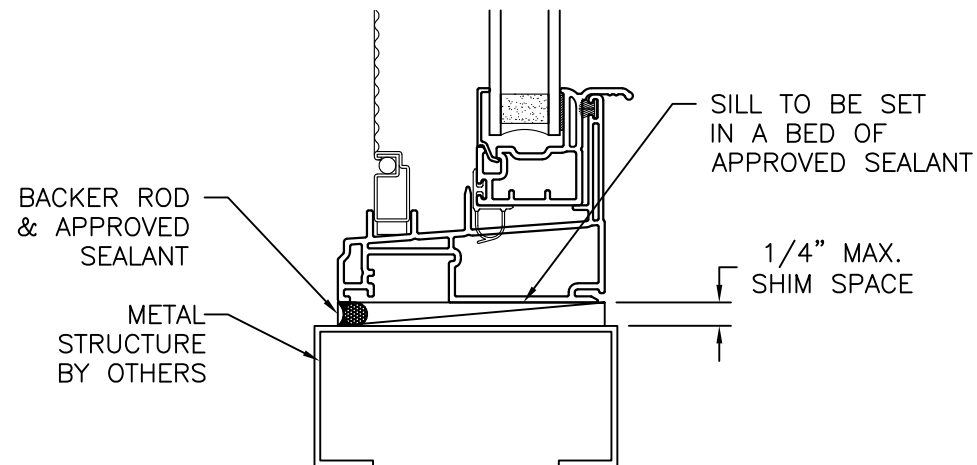
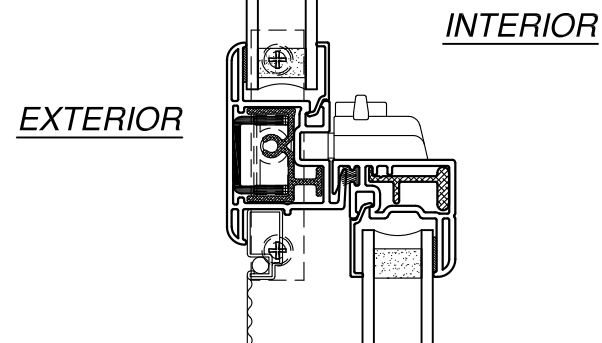
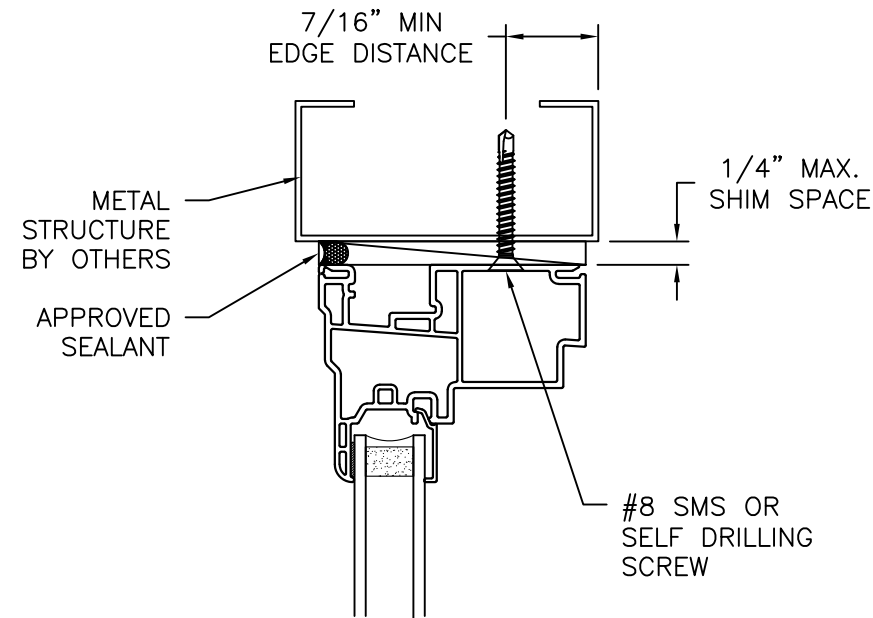
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 08/05/2026

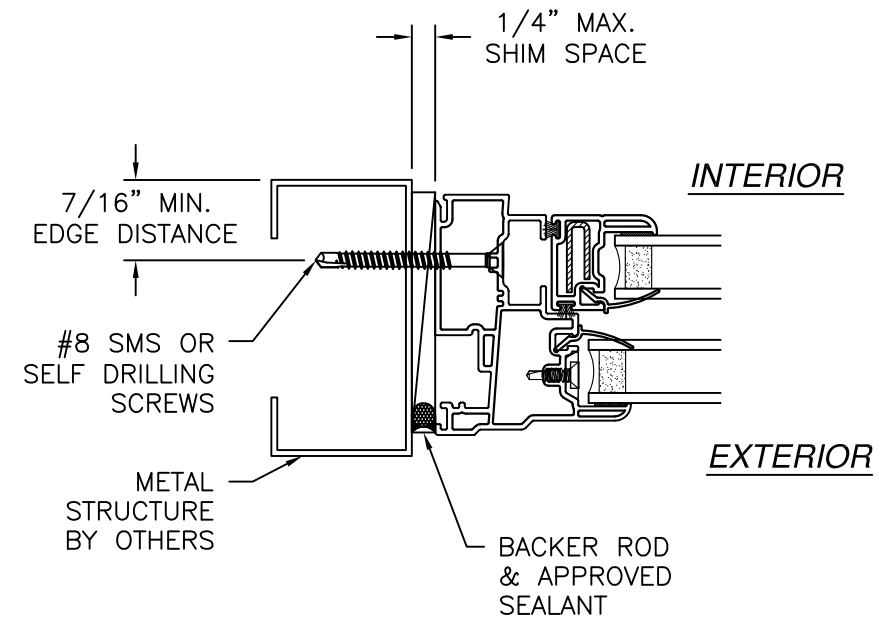


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

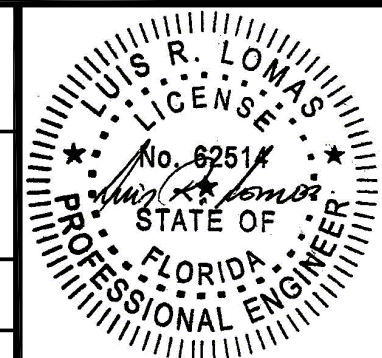


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

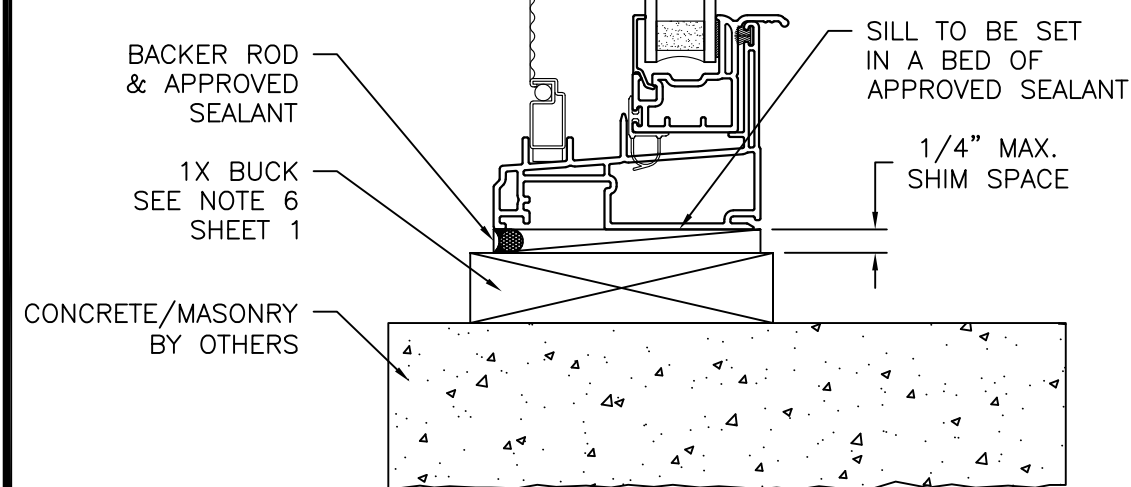
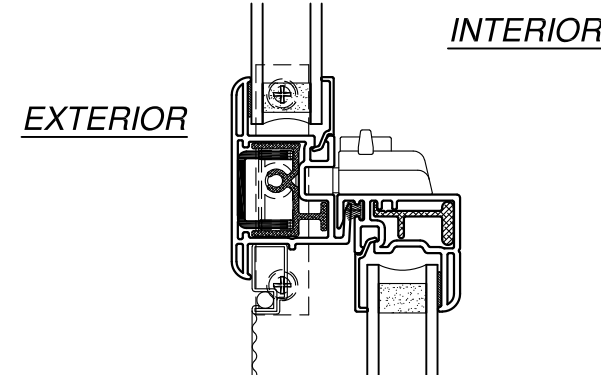
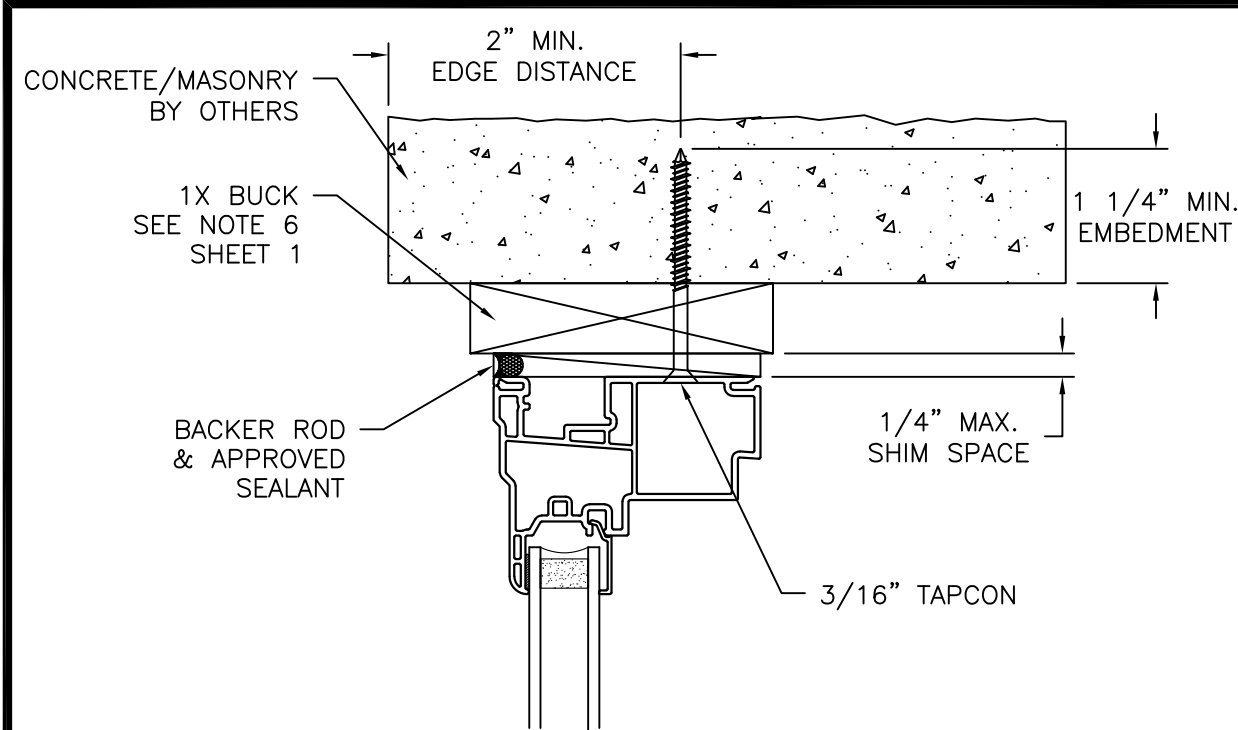
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 08/05/2026

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TWIN SINGLE HUNG NON-IMPACT 72" X 72" INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-04171	REV -
SCALE NTS	DATE 09/08/25	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

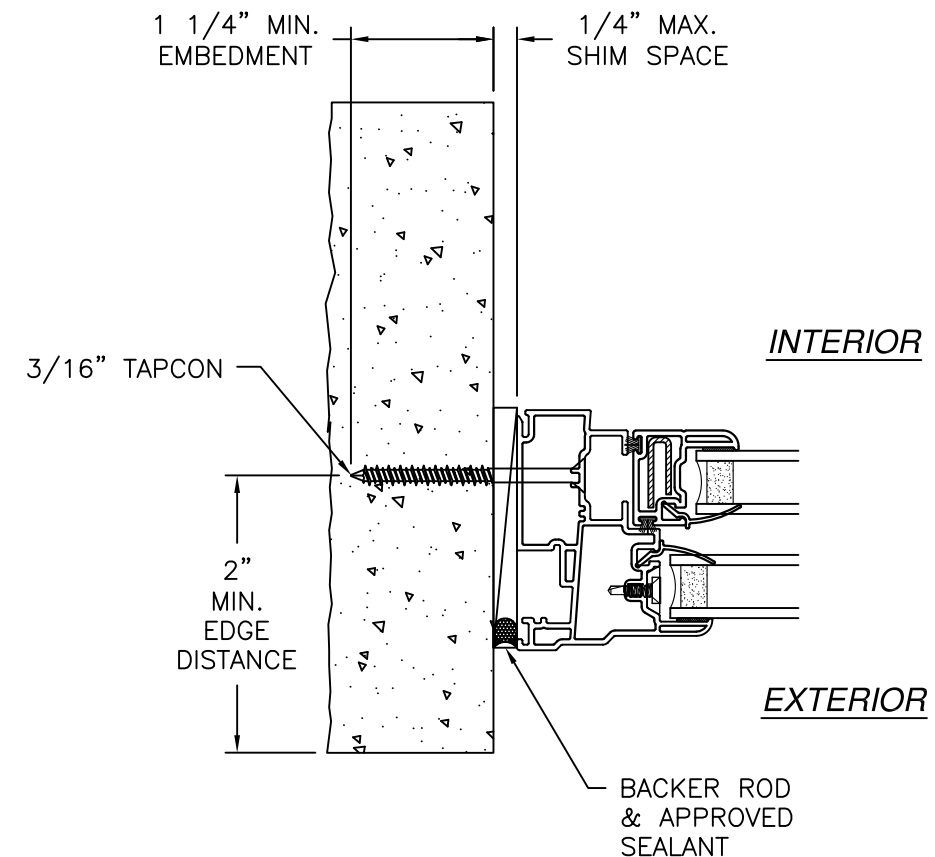


VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

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

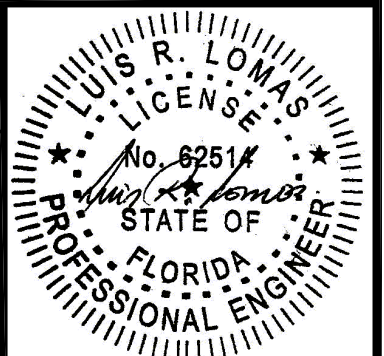
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



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

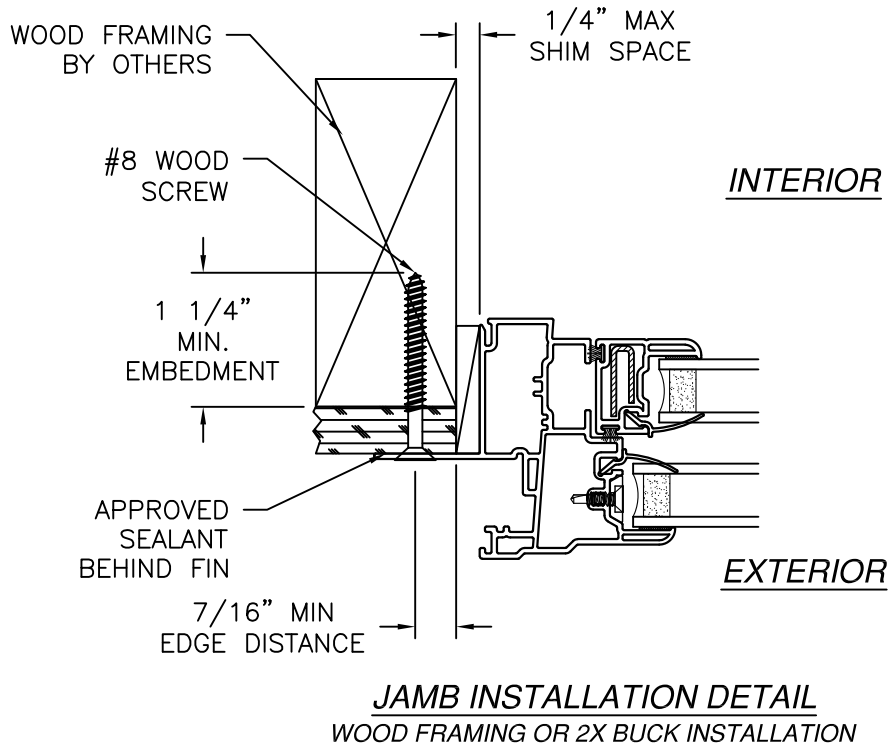
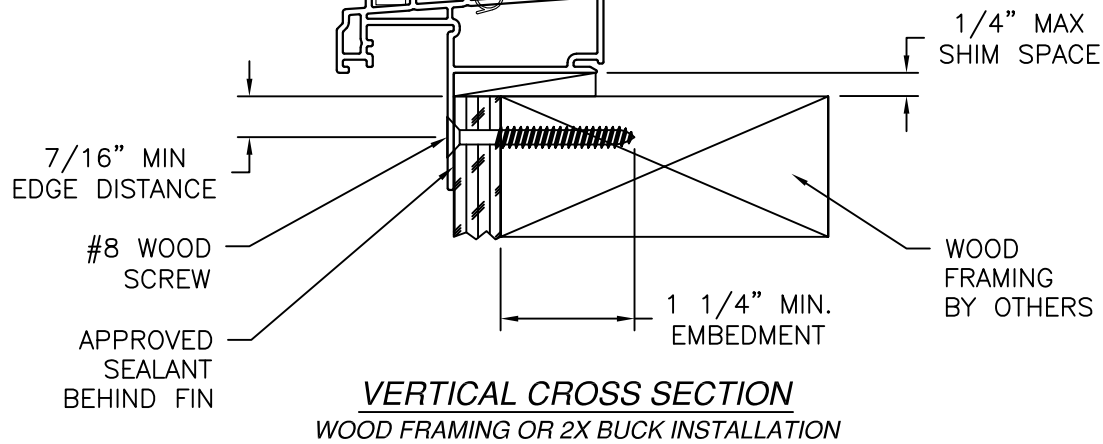
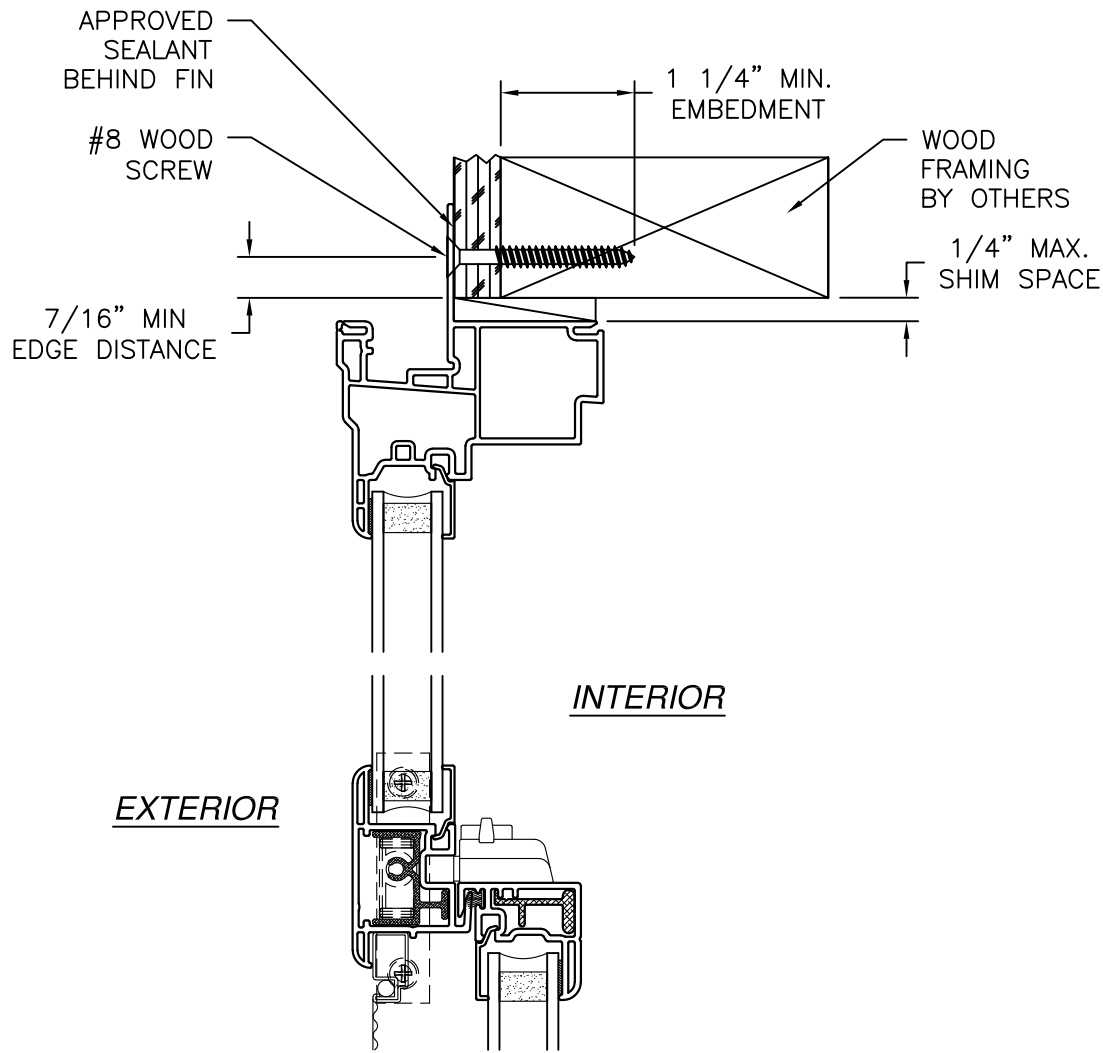
SIGNED: 08/05/2026

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TWIN SINGLE HUNG NON-IMPACT 72" X 72" INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-04171	REV -
SCALE NTS	DATE 09/08/25	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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



- 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: 08/05/2026

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

400 VINYL TWIN SINGLE HUNG
NON-IMPACT 72" X 72"
INSTALLATION DETAILS

DRAWN:
R.L.

DWG NO.
08-04171

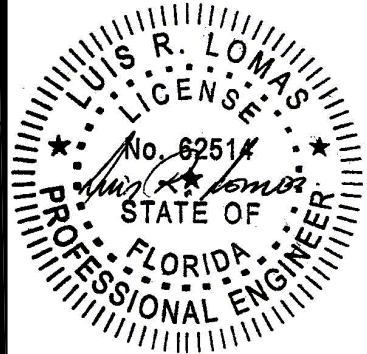
REV
-

SCALE
NTS

DATE
09/08/25

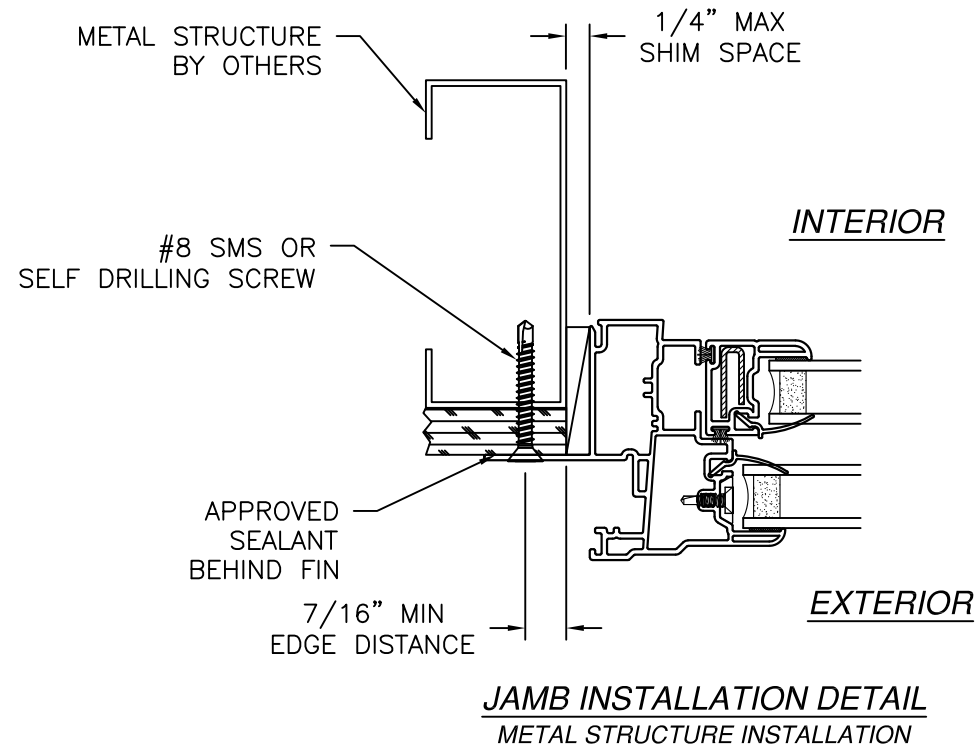
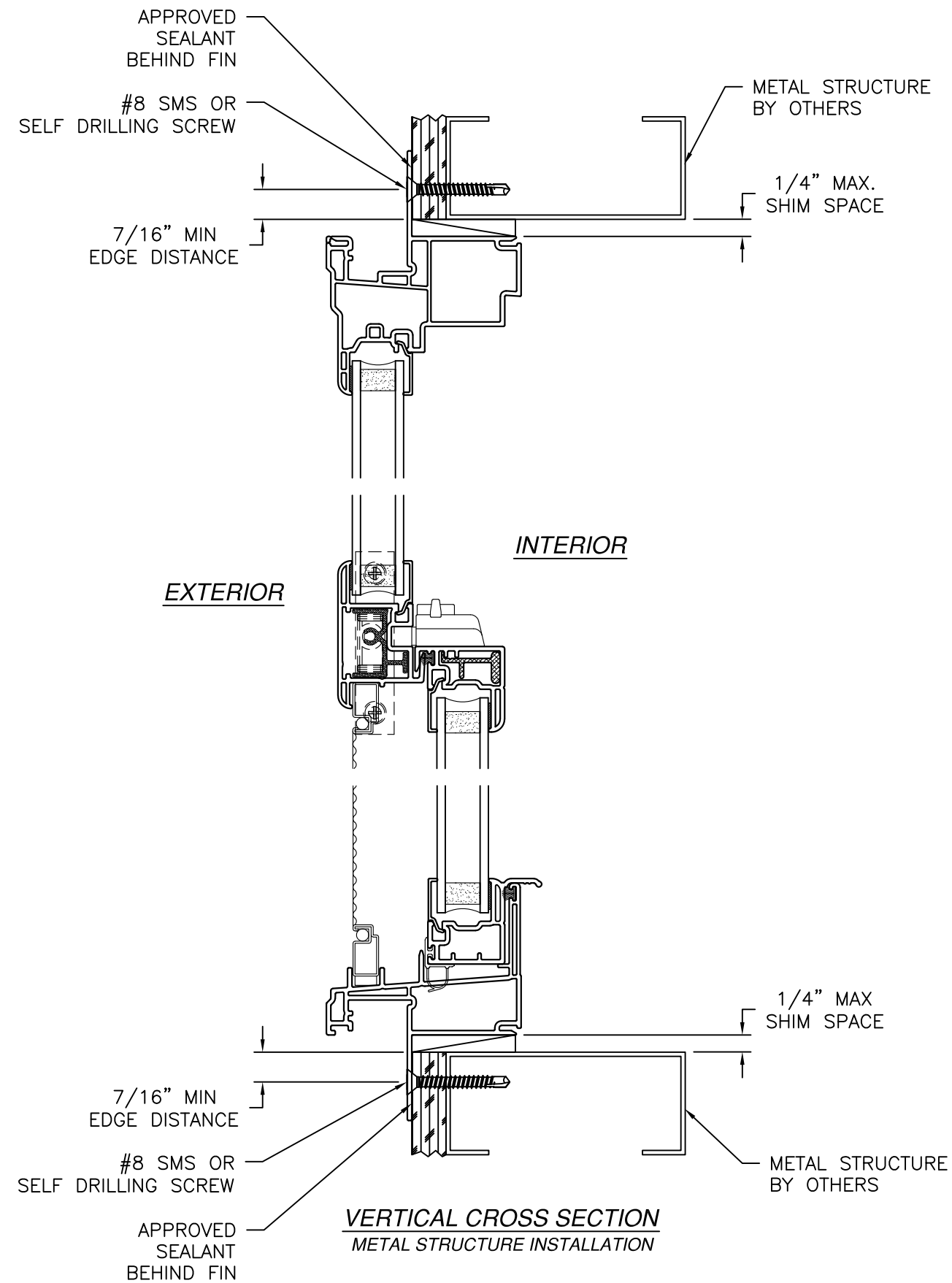
SHEET
6 OF 8

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

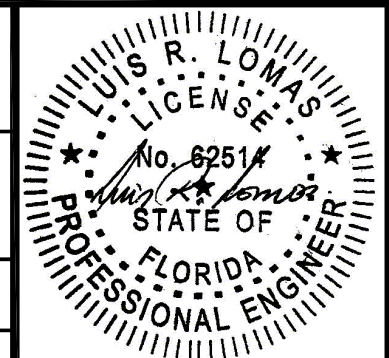
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



- 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

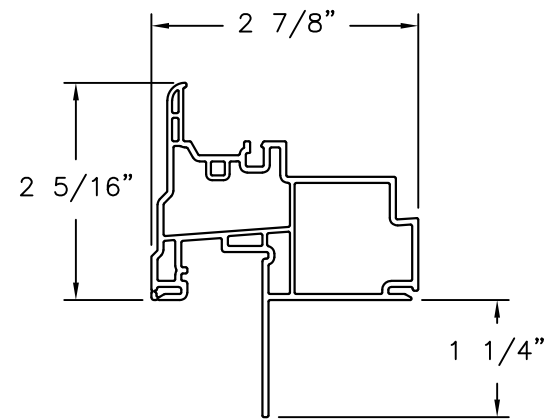
SIGNED: 08/05/2026

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DR. BALDWIN, GA 30511		
400 VINYL TWIN SINGLE HUNG NON-IMPACT 72" X 72" INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-04171	REV -
SCALE NTS	DATE 09/08/25	SHEET 7 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

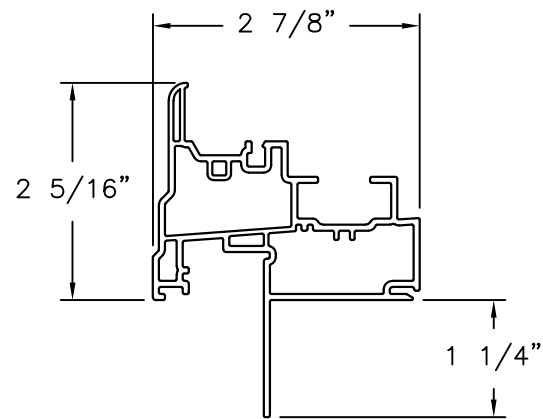


Luis R. Lomas P.E.
FL No.: 62514

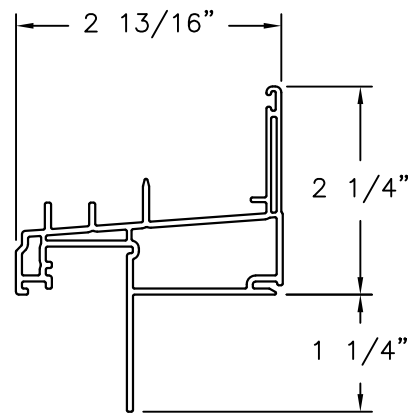
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



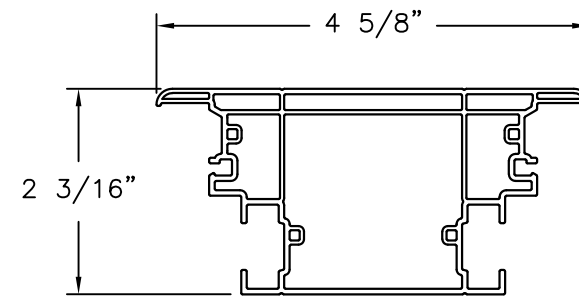
FIXED FRAME
PVC .065" THICK



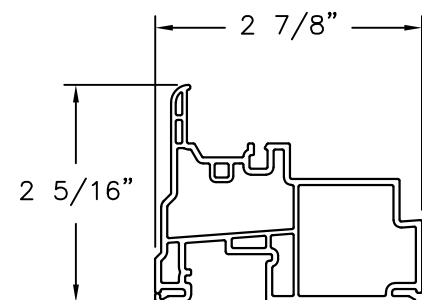
JAMB FRAME
PVC .065" THICK



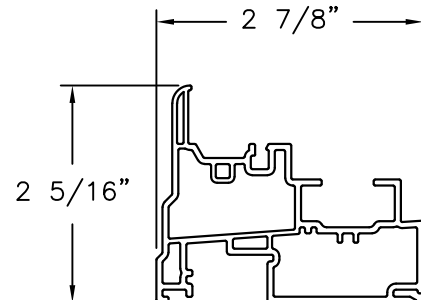
SILL FRAME
PVC .065" THICK



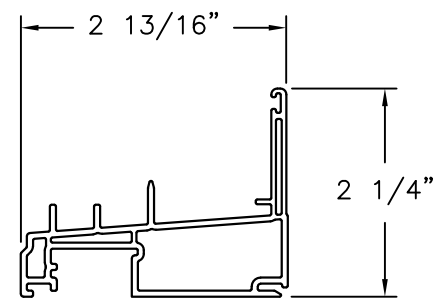
COMMON MULLION
PVC .065" THICK



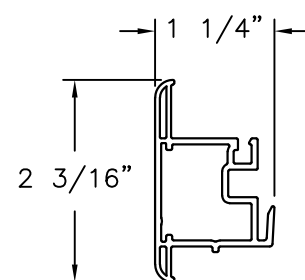
FIXED FRAME
PVC .065" THICK



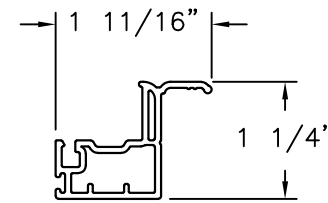
JAMB FRAME
PVC .065" THICK



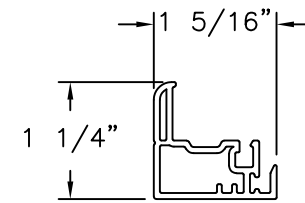
SILL FRAME
PVC .065" THICK



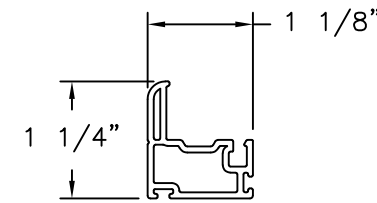
OX BAR
PVC .065" THICK



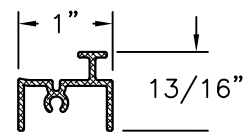
SILL SAH
PVC .065" THICK



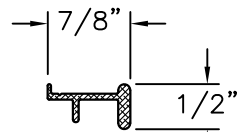
INTERLOCK SASH
PVC .065" THICK



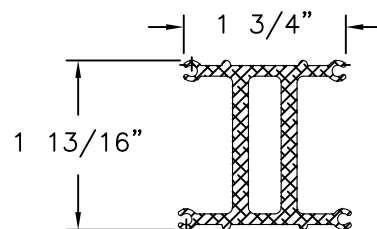
MAIN SASH
PVC .065" THICK



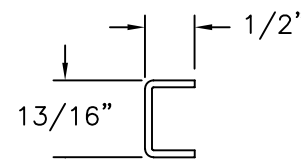
REINFORCEMENT 058287
ALUMINUM 6063-T5 .060" THICK



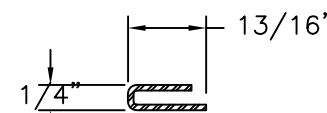
REINFORCEMENT 058288
ALUMINUM 6063-T5 .060" THICK



REINFORCEMENT 058328
ALUMINUM 6063-T5 .125" THICK

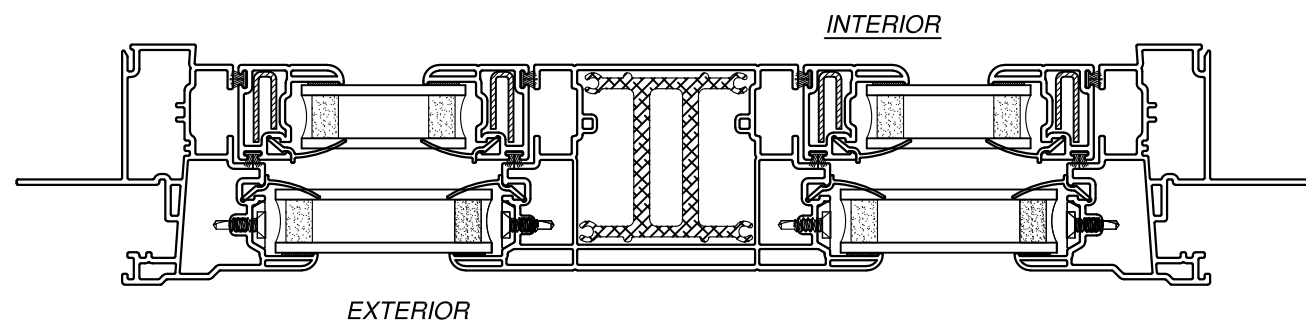


REINFORCEMENT ST-1791A
GALVANIZED STEEL .075" THICK



REINFORCEMENT ST-1789A
GALVANIZED STEEL .060" THICK

SIGNED: 08/05/2026



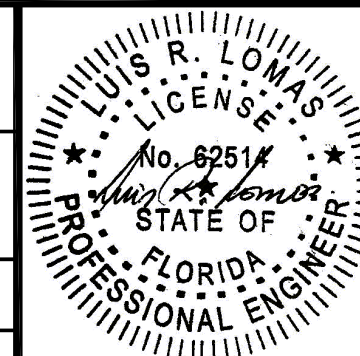
HORIZONTAL CROSS SECTION

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

400 VINYL TWIN SINGLE HUNG
NON-IMPACT 72" X 72"
COMPONENTS

DRAWN: R.L.	DWG NO. 08-04171	REV -
SCALE NTS	DATE 09/08/25	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