

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED TO ADD NEW SIZE	09/05/25	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

SIGNED: 08/04/2026

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 – 3	ELEVATIONS
4 – 7	INSTALLATION DETAILS
8	COMPONENTS

MAGNOLIA WINDOW & DOOR
1000 PYRATICH DRIVE
BALDWIN, GA 30511

400 VINYL SINGLE HUNG WINDOW
NON-IMPACT 48” X 72 AND 30” X 76”
NOTES

DRAWN:
N.G.

DWG NO.
08-02629B

REV
B

SCALE NTS

DATE 02/18/15

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

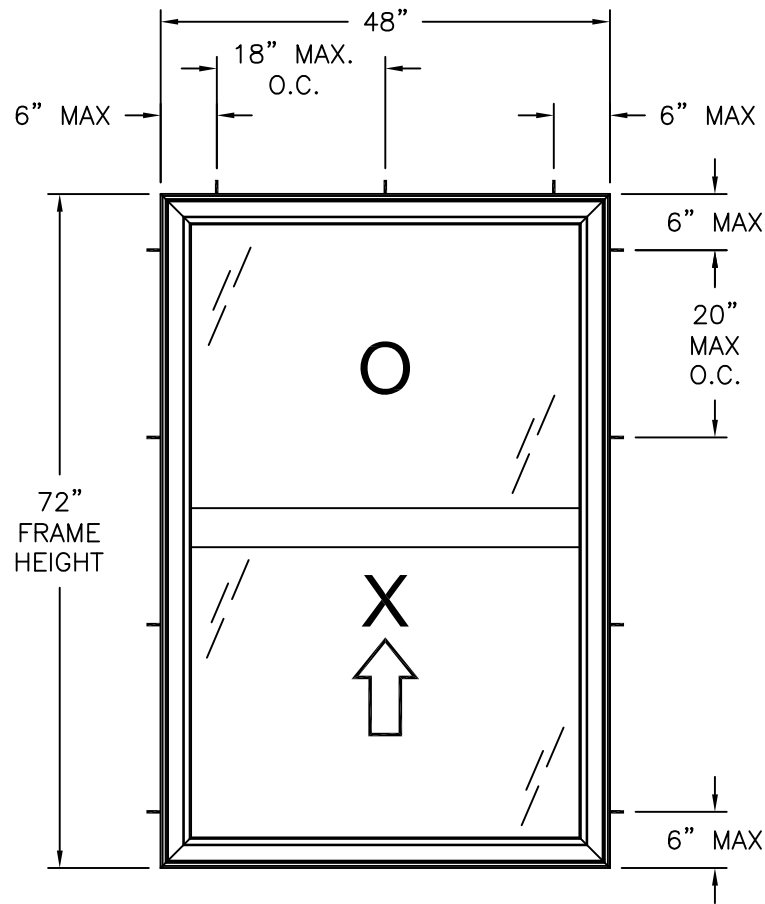
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STATE OF FLORIDA

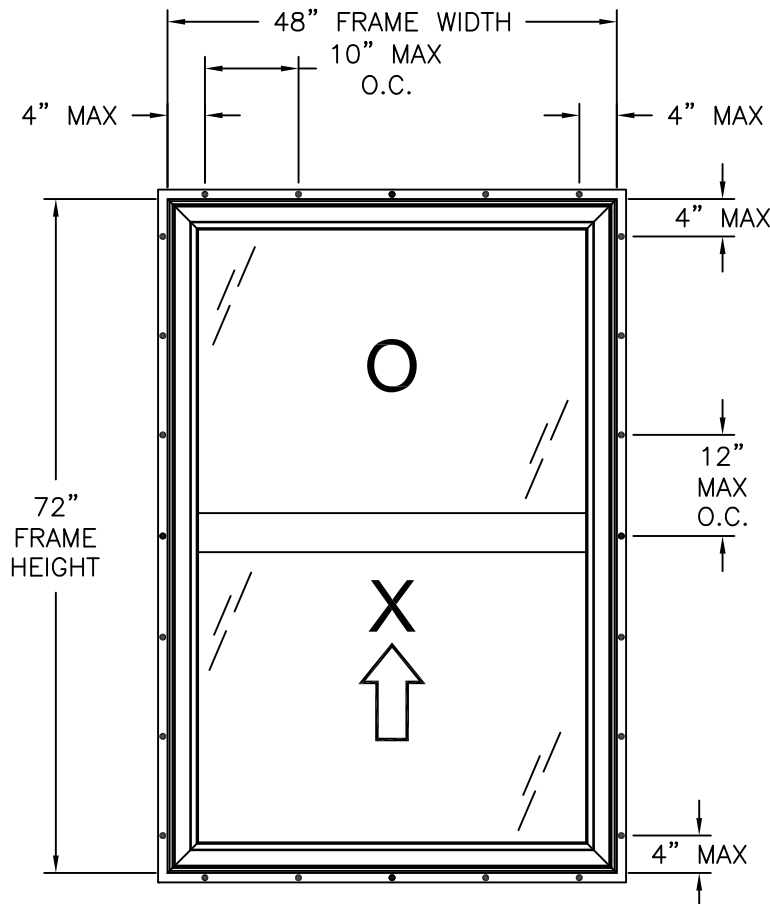
PROFESSIONAL ENGINEER

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

REVISIONS			
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400 VINYL SINGLE HUNG WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



400 VINYL SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±25.0PSF	NONE

FOR OTHER SIZES SEE CHART #1, SHEET 2

Chart #1
Rating (psf)

Frame Height (in)	Frame width (in)									
	24.0		30.0		36.0		42.0		48.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	35.0	38.7	35.0	37.6	35.0	36.4	35.0	35.3	34.1	34.1
30.0	35.0	38.2	35.0	36.8	35.0	35.4	33.9	33.9	32.5	32.5
36.0	35.0	37.9	35.0	36.1	34.4	34.4	32.7	32.7	31.0	31.0
42.0	35.0	37.6	35.0	35.6	33.6	33.6	31.6	31.6	29.6	29.6
48.0	35.0	37.6	35.0	35.3	33.0	33.0	30.7	30.7	28.4	28.4
54.0	35.0	37.6	35.0	35.1	32.5	32.5	29.9	29.9	27.4	27.4
60.0	35.0	37.6	35.0	35.0	32.1	32.1	29.3	29.3	26.4	26.4
66.0	35.0	37.6	35.0	35.0	31.9	31.9	28.8	28.8	25.6	25.6
72.0	35.0	37.6	35.0	35.0	31.9	31.9	28.4	28.4	25.0	25.0
76.0	35.0	37.6	35.0	35.0	31.6	31.6	27.1	27.1	-	-
78.0	35.0	37.6	35.0	35.0	30.8	30.8	26.4	26.4	-	-
84.0	35.0	37.6	34.3	34.3	28.6	28.6	-	-	-	-

HARDWARE SCHEDULE	
A.	(2) BALANCE, B&T AT EACH SIDE OF SASH
B.	(2) TILT LATCH ON EACH SIDE OF MEETING RAIL
C.	(2) KEEPER SH400 (2900-501) 8" FROM EACH SIDE OF SASH
D.	(2) LOCK SH400 (2491) 8" FROM EACH SIDE OF SASH
E.	(2) PIVOT BAR ON EACH SIDE OF MEETING RAIL
F.	ALUMINUM REINFORCEMENT (T-11974C) AT MEETING RAIL
G.	ALUMINUM REINFORCEMENT (T-11820) AT LOCK RAIL
H.	ALUMINUM REINFORCEMENT (T-12576) AT SASH STILES

- NOTES:
- SASH SIZE: 45 3/16" X 35"
 - D.L.O.: 43 1/4" X 32 7/16"

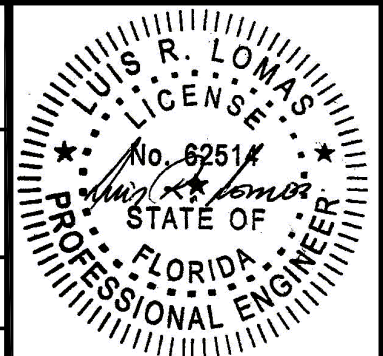
MAGNOLIA WINDOW & DOOR
1000 PYRATICH DRIVE
BALDWIN, GA 30511

400 VINYL SINGLE HUNG WINDOW
NON-IMPACT 48" X 72 AND 30" X 76"
ELEVATIONS

DRAWN: N.G.	DWG NO. 08-02629B	REV B
SCALE NTS	DATE 02/18/15	SHEET 2 OF 8

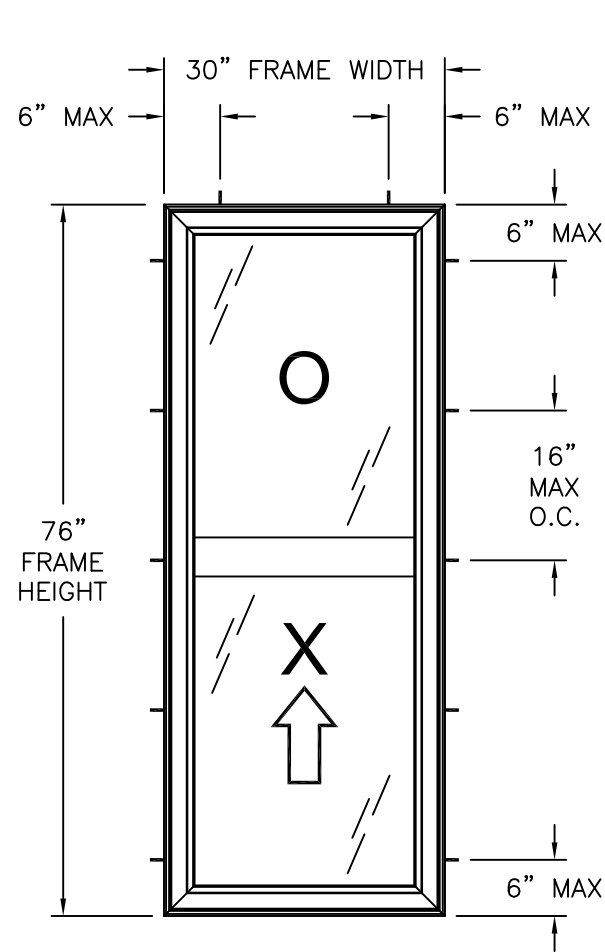
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434-688-0609 rllomas@lrlomaspe.com

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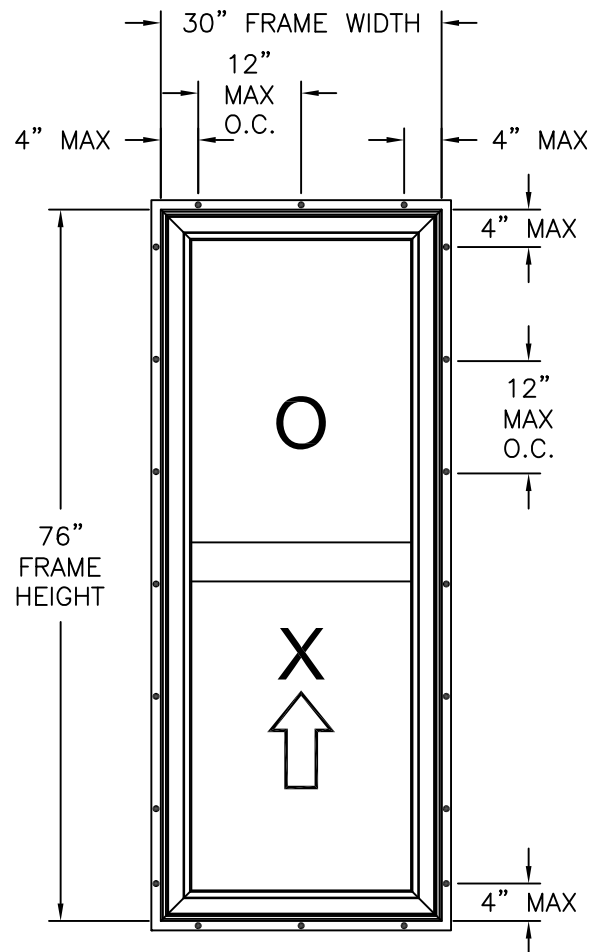


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400 VINYL SINGLE HUNG WINDOW
EXTERIOR VIEW
FRAME INSTALLATION



400 VINYL SINGLE HUNG WINDOW
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±35.0PSF	NONE

FOR OTHER SIZES SEE CHART #1, SHEET 2

HARDWARE SCHEDULE	
A.	(2) BALANCE, B&T AT EACH SIDE OF SASH
B.	(2) TILT LATCH ON EACH SIDE OF MEETING RAIL
C.	(2) KEEPER SH400 (2900-501) 8" FROM EACH SIDE OF SASH
D.	(2) LOCK SH400 (2491) 8" FROM EACH SIDE OF SASH
E.	(2) PIVOT BAR ON EACH SIDE OF MEETING RAIL
F.	ALUMINUM REINFORCEMENT (T-11974C) AT MEETING RAIL
G.	ALUMINUM REINFORCEMENT (T-11820) AT LOCK RAIL
H.	ALUMINUM REINFORCEMENT (T-12576) AT SASH STILES

- NOTES:
- SASH SIZE: 26 3/4" X 36 5/8"
 - D.L.O.: 24 7/8" X 34 3/16"

MAGNOLIA WINDOW & DOOR
1000 PYRATICH DRIVE
BALDWIN, GA 30511

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NON-IMPACT 48" X 72 AND 30" X 76"
ELEVATIONS

DRAWN:
N.G.

DWG NO.
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REV
B

SCALE
NTS

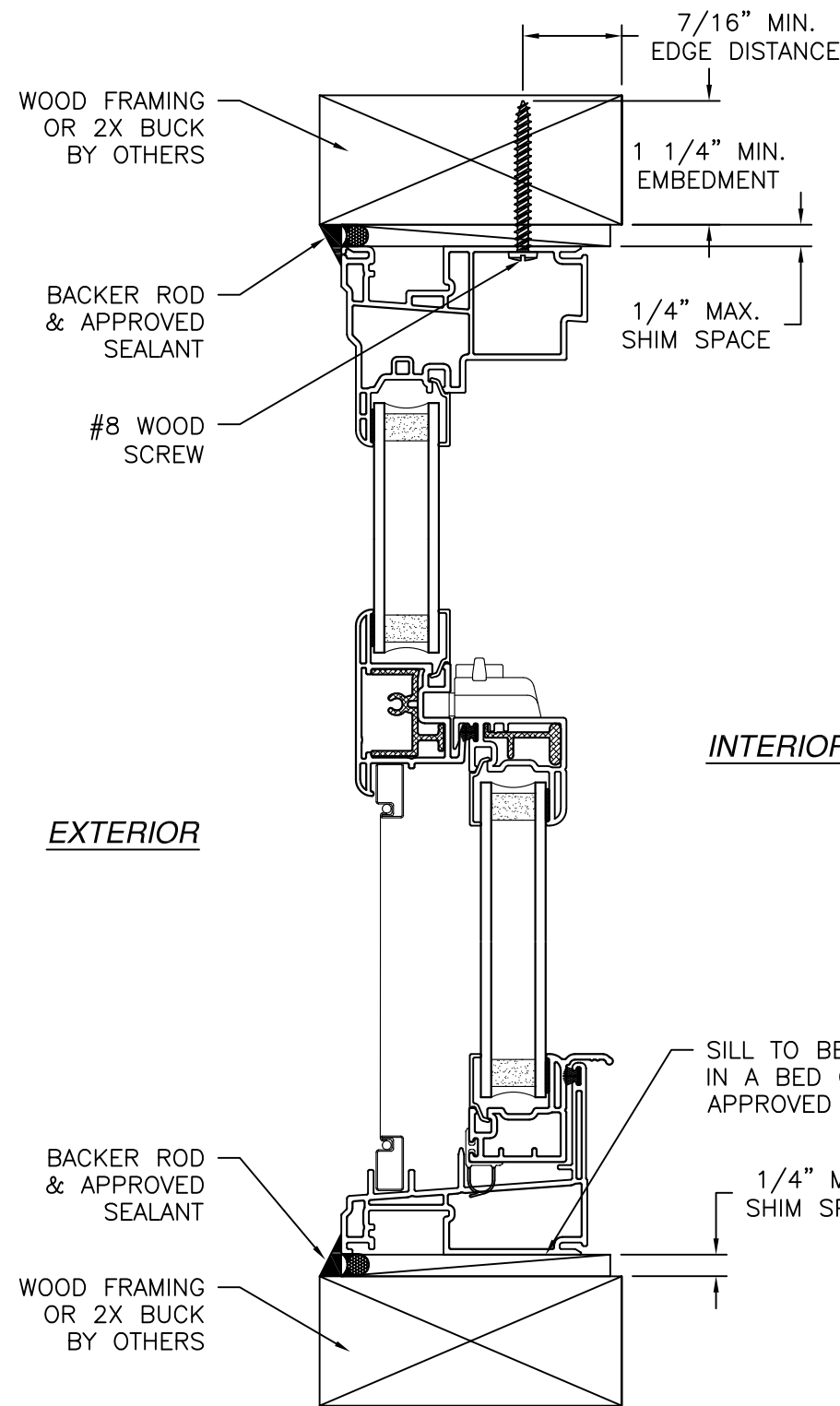
DATE
02/18/15

SHEET
3 OF 8

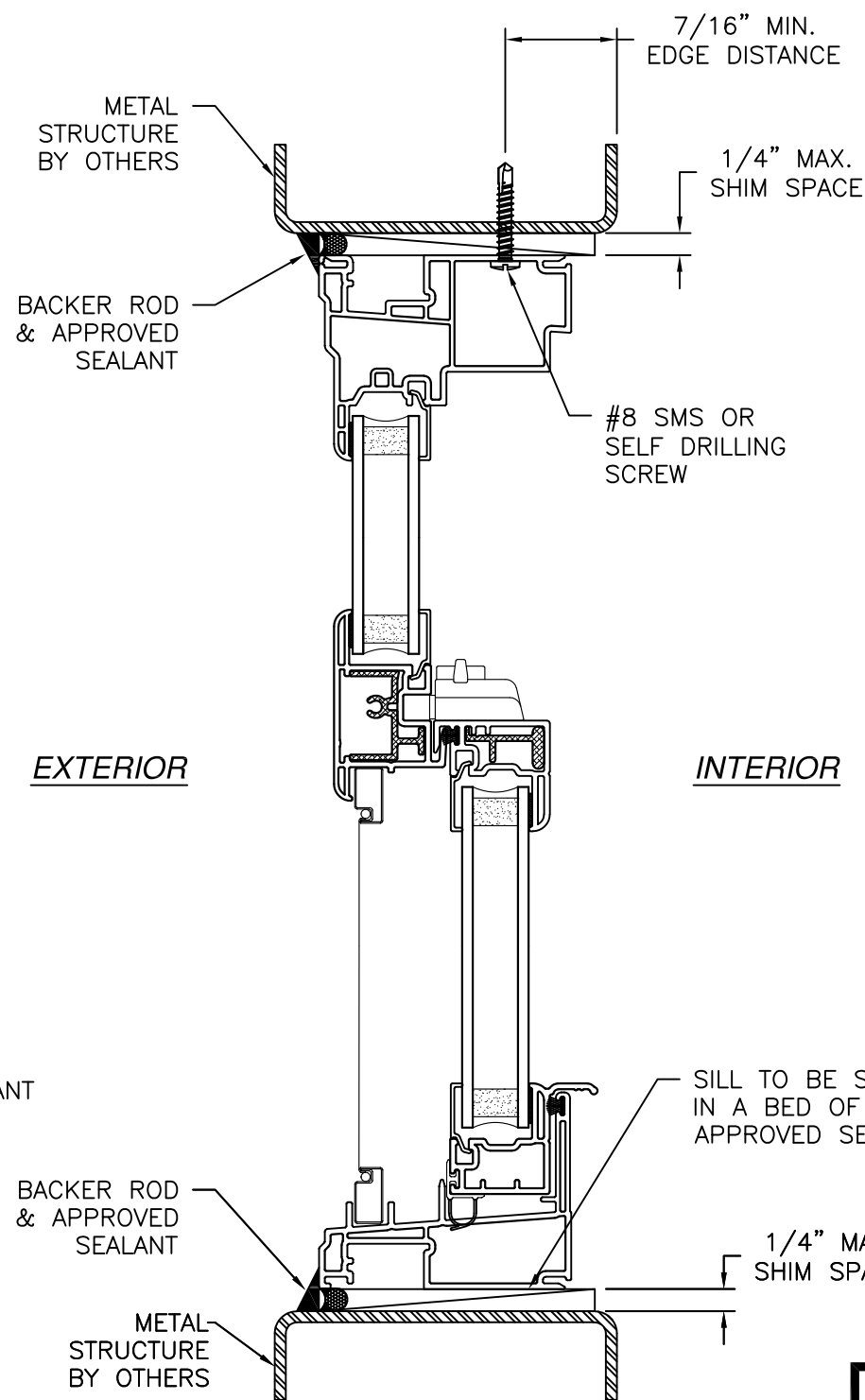
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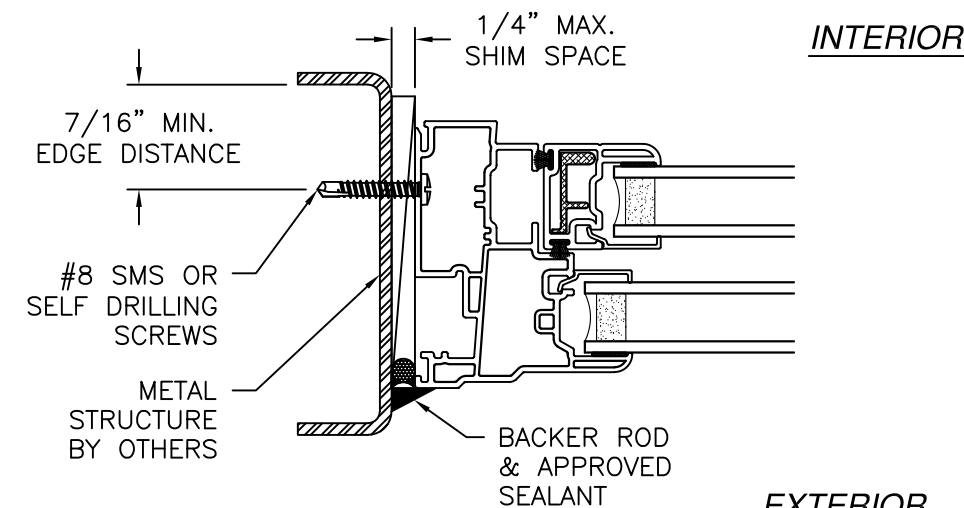


VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

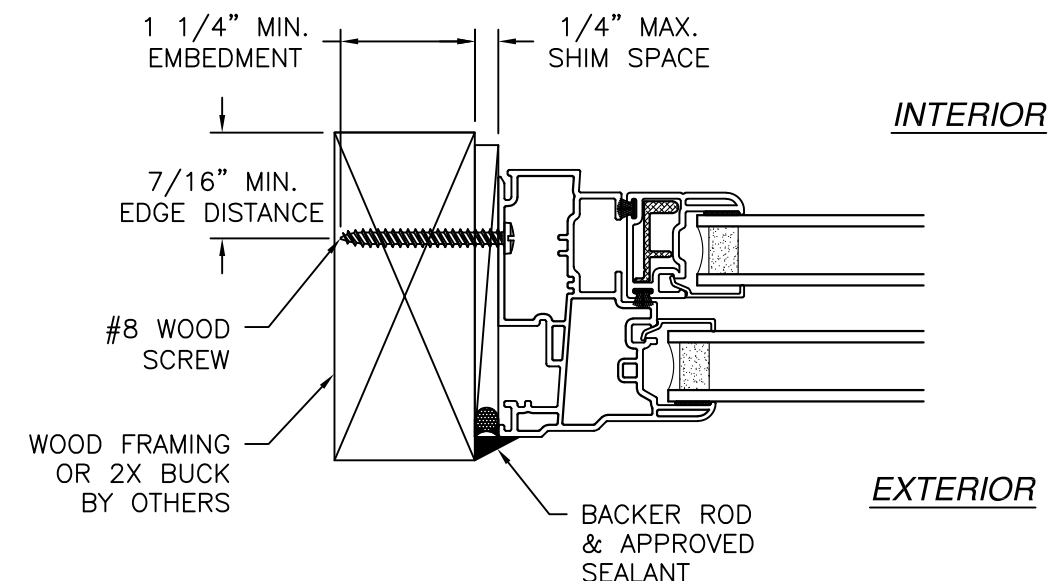


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

REVISIONS			
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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

SIGNED: 08/04/2026

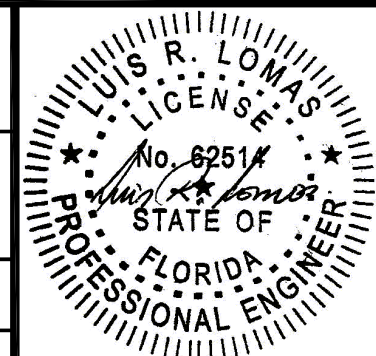
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

MAGNOLIA WINDOW & DOOR
1000 PYRATICH DRIVE
BALDWIN, GA 30511

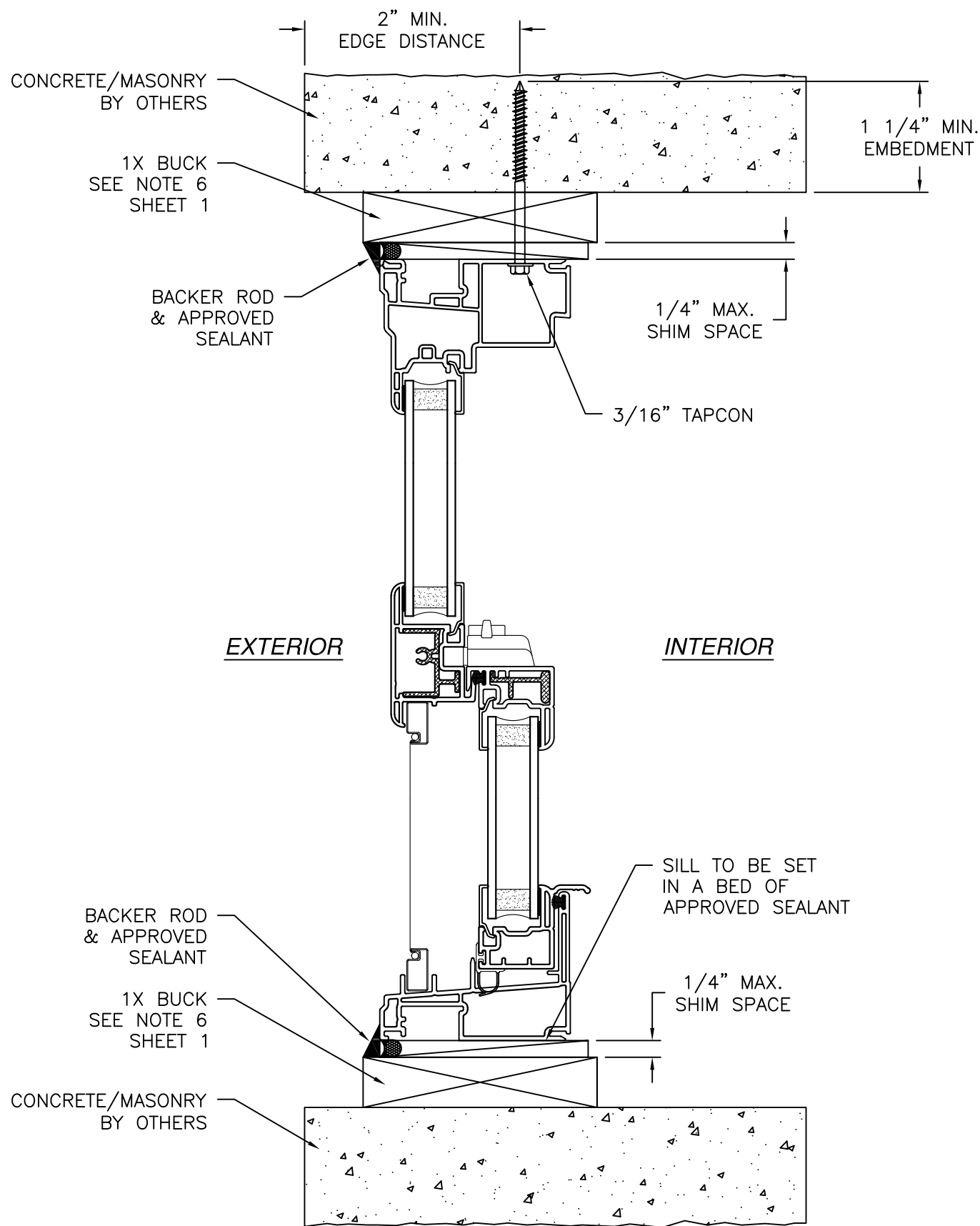
400 VINYL SINGLE HUNG WINDOW
NON-IMPACT 48" X 72 AND 30" X 76"
INSTALLATION DETAILS

DRAWN: N.G.	DWG NO. 08-02629B	REV B
SCALE NTS	DATE 02/18/15	SHEET 4 OF 8

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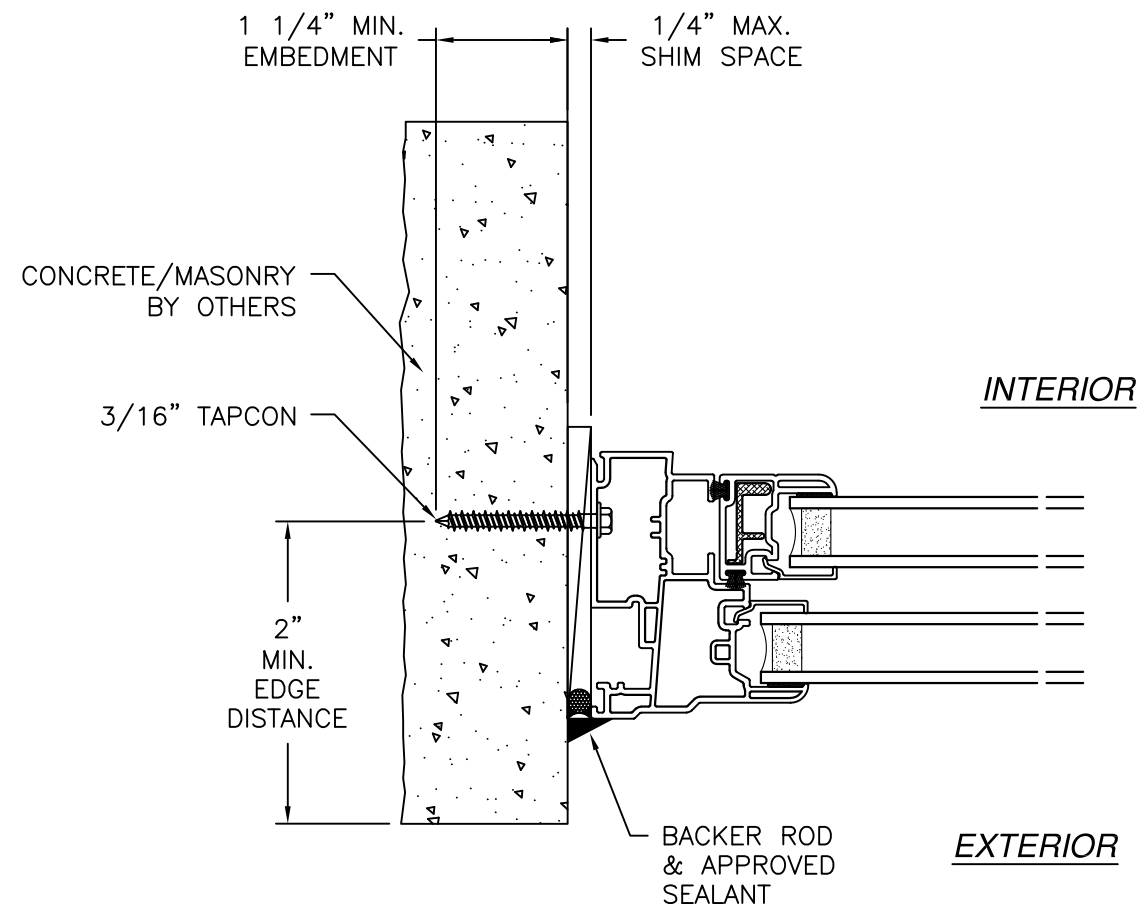


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VERTICAL CROSS SECTION
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
 JAMB INSTALLATION DETAIL

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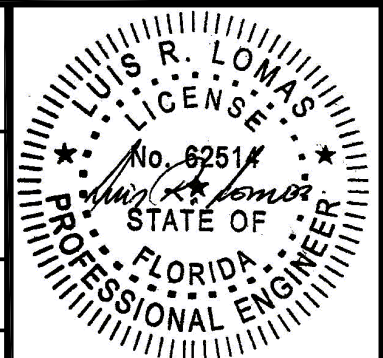


JAMB INSTALLATION DETAIL
 CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
 FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
 HEAD AND SILL INSTALLATION DETAILS

- 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: 08/04/2026

MAGNOLIA WINDOW & DOOR 1000 PYRATICH DRIVE BALDWIN, GA 30511		
400 VINYL SINGLE HUNG WINDOW NON-IMPACT 48" X 72 AND 30" X 76" INSTALLATION DETAILS		
DRAWN: N.G.	DWG NO. 08-02629B	REV B
SCALE NTS	DATE 02/18/15	SHEET 5 OF 8
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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APPROVED SEALANT BEHIND FIN

#8 WOOD SCREW

7/16" MIN EDGE DISTANCE

1 1/4" MIN. EMBEDMENT

WOOD FRAMING BY OTHERS

1/4" MAX. SHIM SPACE

EXTERIOR

INTERIOR

7/16" MIN EDGE DISTANCE

1/4" MAX SHIM SPACE

#8 WOOD SCREW

APPROVED SEALANT BEHIND FIN

1 1/4" MIN. EMBEDMENT

WOOD FRAMING BY OTHERS

VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

WOOD FRAMING BY OTHERS

#8 WOOD SCREW

1 1/4" MIN. EMBEDMENT

APPROVED SEALANT BEHIND FIN

7/16" MIN EDGE DISTANCE

1/4" MAX SHIM SPACE

INTERIOR

EXTERIOR

JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

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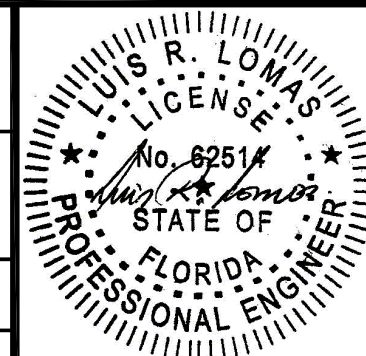
MAGNOLIA WINDOW & DOOR

1000 PYRATICH DRIVE
BALDWIN, GA 30511

400 VINYL SINGLE HUNG WINDOW
NON-IMPACT 48" X 72 AND 30" X 76"
INSTALLATION DETAILS

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SCALE NTS	DATE 02/18/15	SHEET 6 OF 8

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APPROVED SEALANT BEHIND FIN
#8 SMS OR SELF DRILLING SCREW
7/16" MIN EDGE DISTANCE
METAL STRUCTURE BY OTHERS
1/4" MAX. SHIM SPACE

EXTERIOR

INTERIOR

METAL STRUCTURE BY OTHERS

1/4" MAX SHIM SPACE

INTERIOR

#8 SMS OR SELF DRILLING SCREW

APPROVED SEALANT BEHIND FIN

EXTERIOR

7/16" MIN EDGE DISTANCE

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:
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7/16" MIN EDGE DISTANCE
#8 SMS OR SELF DRILLING SCREW
APPROVED SEALANT BEHIND FIN
METAL STRUCTURE BY OTHERS
1/4" MAX SHIM SPACE

VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

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MAGNOLIA WINDOW & DOOR

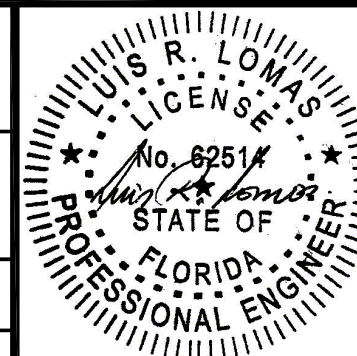
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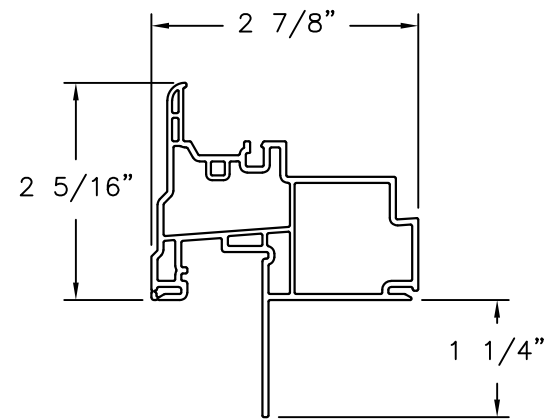
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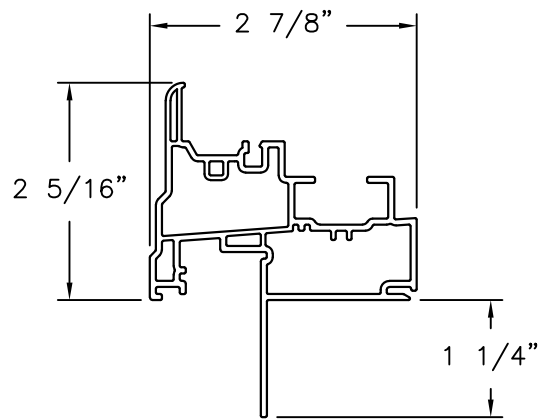
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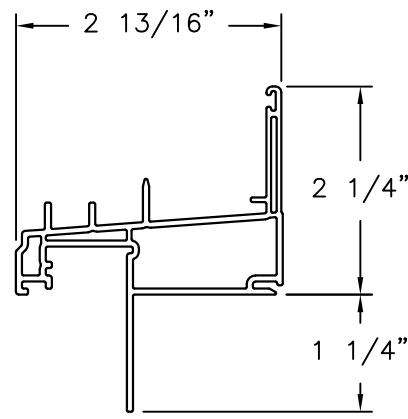
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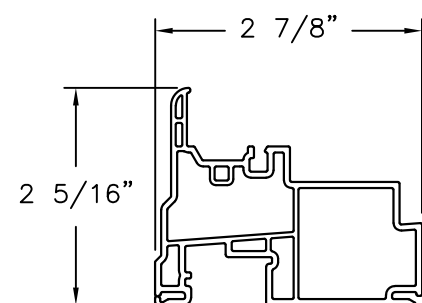
FIXED FRAME
PVC .065" THICK



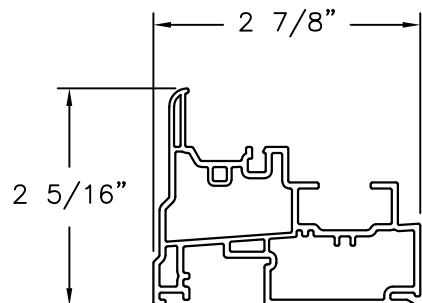
JAMB FRAME
PVC .065" THICK



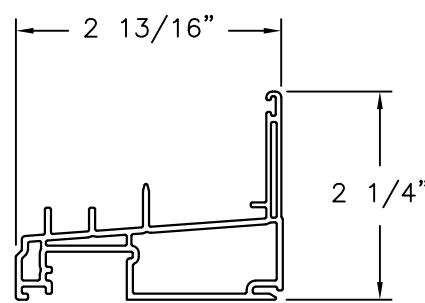
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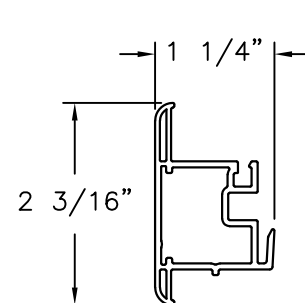
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PVC .065" THICK



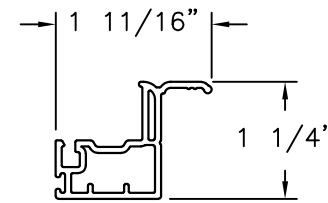
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PVC .065" THICK



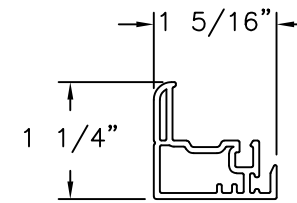
SILL FRAME
PVC .065" THICK



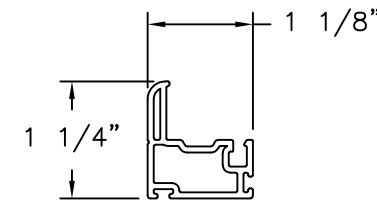
OX BAR
PVC .065" THICK



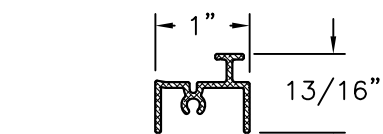
OX BAR
PVC .065" THICK



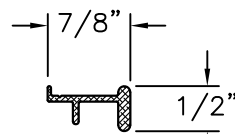
INTERIOR SASH
PVC .065" THICK



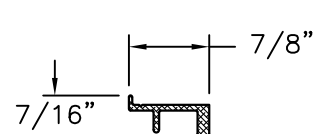
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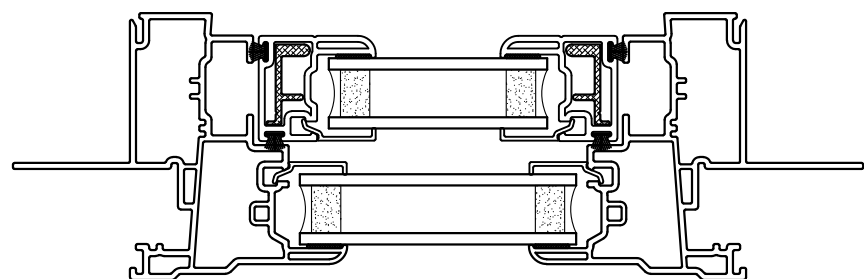
REINFORCEMENT T-11974
ALUMINUM 6063-T5 .060" THICK



REINFORCEMENT T-11820
ALUMINUM 6063-T5 .060" THICK



REINFORCEMENT T-12576
ALUMINUM 6063-T5 .060" THICK



HORIZONTAL CROSS SECTION

REVISIONS			
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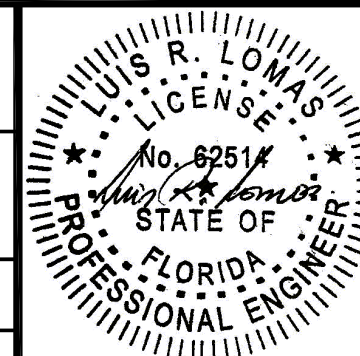
MAGNOLIA WINDOW & DOOR

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BALDWIN, GA 30511

400 VINYL SINGLE HUNG WINDOW
NON-IMPACT 48" X 72 AND 30" X 76"
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SCALE NTS	DATE 02/18/15	SHEET 8 OF 8

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