

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED APPROVED CONFIGURATIONS	01/27/26	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD 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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. 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.
5. 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.
6. 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.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. SHIM AS REQUIRED 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".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: MAHOGANY.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 4 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. 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 1/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #10 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. 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:
 - 18.A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 18.B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 18.C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 18.D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI

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REILLY WINDOW & DOORS

901 BURMAN BLVD., BLDG 701

CALVERTON, NY 11933

RWD47 DOUBLE HUNG WINDOW

IMPACT

NOTES

DRAWN:

A.R.

DWG NO.

08-03571B

REV

B

SCALE

NTS

DATE

01/26/21

SHEET

1

OF

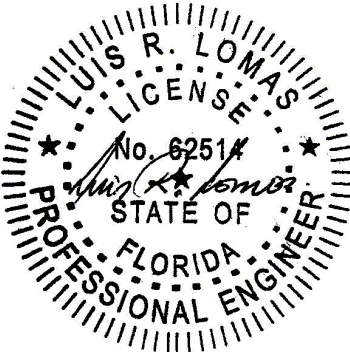
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L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

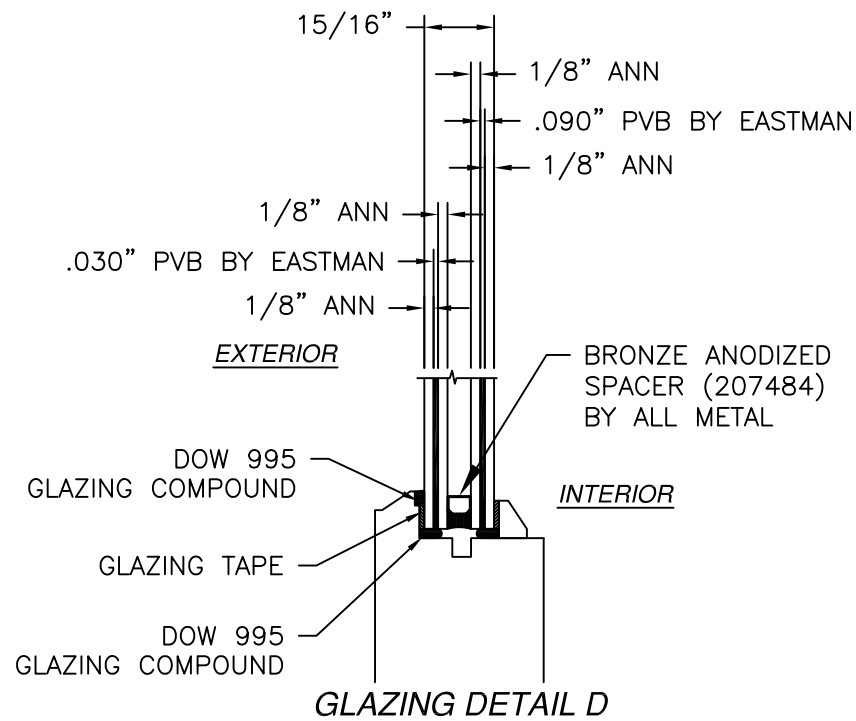
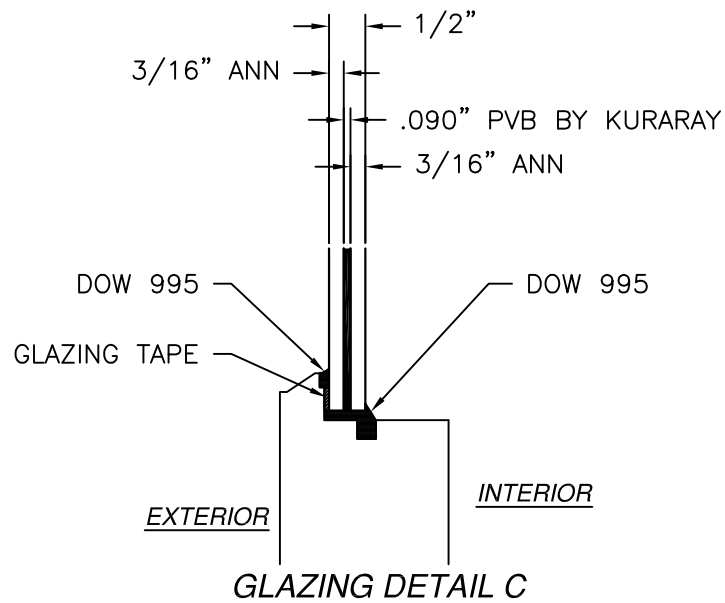
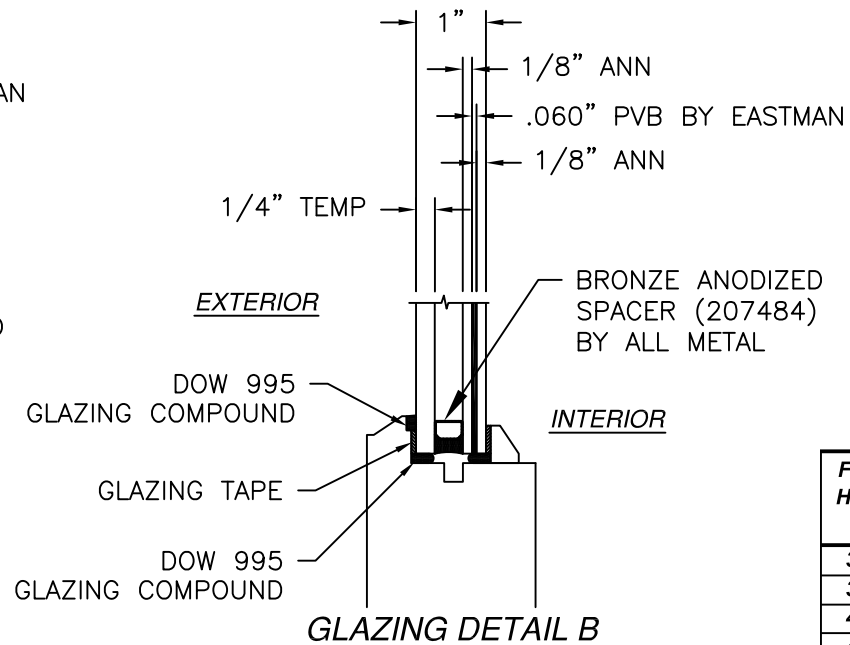
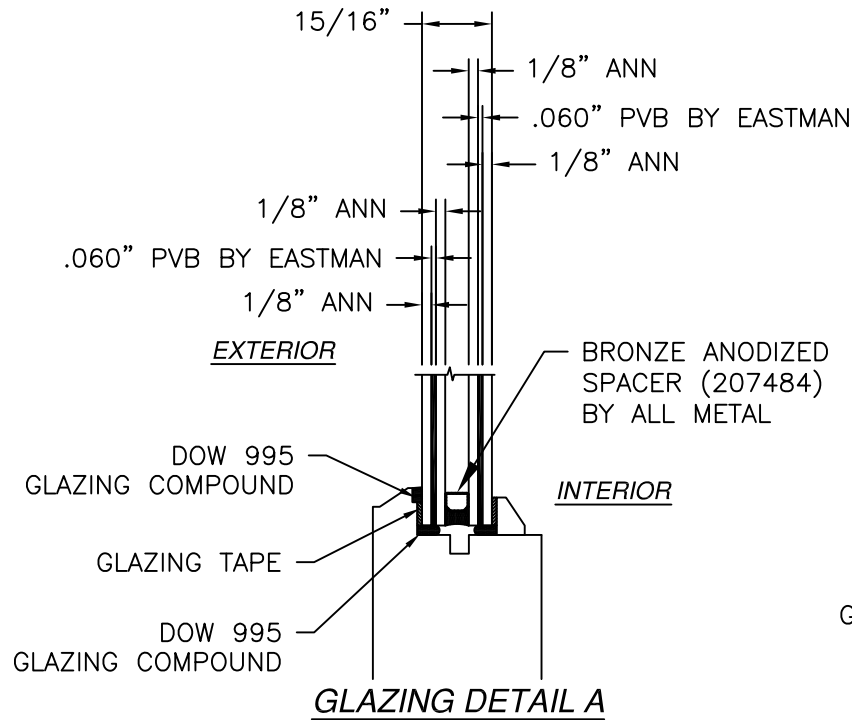
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 07/20/2026



Luis R. Lomas P.E.

FL No.: 62514



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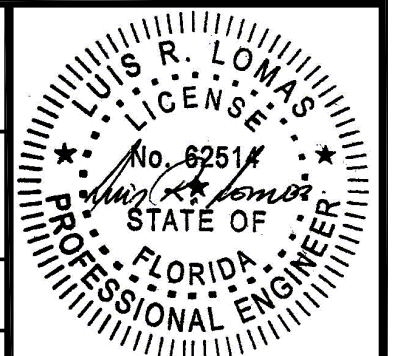
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36.00	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.9	69.9
42.00	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.8	69.8	66.6	66.6	66.3	66.3
48.00	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.0	67.0	63.3	63.3	63.0	63.0
54.00	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	68.5	68.5	64.4	64.4	60.3	60.3	59.8	59.8
60.00	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	66.5	66.5	62.0	62.0	57.4	57.4	56.9	56.9
66.00	70.0	70.0	70.0	70.0	70.0	70.0	69.8	69.8	64.8	64.8	59.8	59.8	54.8	54.8	54.3	54.3
72.00	70.0	70.0	70.0	70.0	70.0	70.0	68.8	68.8	63.3	63.3	57.9	57.9	52.4	52.4	51.9	51.9
78.00	70.0	70.0	70.0	70.0	70.0	70.0	68.0	68.0	62.1	62.1	56.2	56.2	50.3	50.3	49.6	49.6
84.00	70.0	70.0	70.0	70.0	70.0	70.0	67.4	67.4	61.1	61.1	54.7	54.7	48.3	48.3	47.7	47.7
90.00	70.0	70.0	70.0	70.0	70.0	70.0	67.1	67.1	60.3	60.3	53.4	53.4	46.6	46.6	45.9	45.9
96.00	70.0	70.0	70.0	70.0	70.0	70.0	67.0	67.0	59.7	59.7	52.4	52.4	45.1	45.1	44.4	44.4
102.00	70.0	70.0	70.0	70.0	68.5	68.5	67.0	67.0	59.4	59.4	51.6	51.6	43.9	43.9	43.1	43.1
108.00	70.0	70.0	69.1	69.1	67.1	67.1	65.6	65.6	59.2	59.2	51.1	51.1	42.9	42.9	42.0	42.0
114.00	70.0	70.0	67.7	67.7	65.6	65.6	64.1	64.1	59.2	59.2	50.7	50.7	42.1	42.1	41.2	41.2
120.00	70.0	70.0	66.4	66.4	64.2	64.2	62.6	62.6	58.7	58.7	50.6	50.6	41.5	41.5	40.6	40.6
126.00	69.1	69.1	65.0	65.0	62.7	62.7	61.0	61.0	57.0	57.0	50.6	50.6	41.2	41.2	40.2	40.2
132.00	67.9	67.9	63.7	63.7	61.3	61.3	59.5	59.5	55.3	55.3	50.6	50.6	41.0	41.0	40.0	40.0
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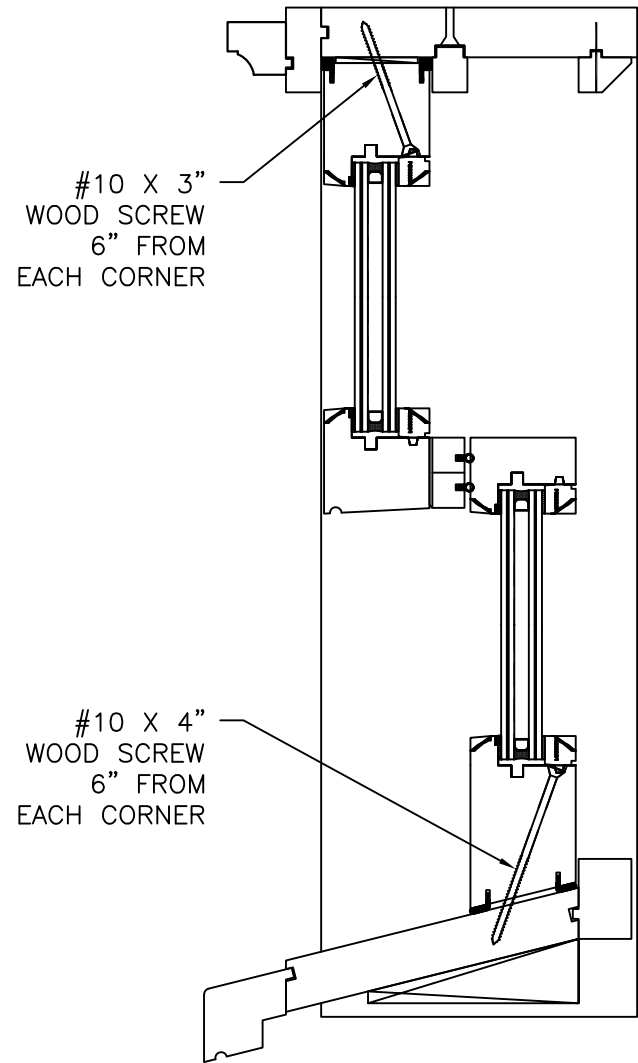
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MISSILE LEVEL D, WIND ZONE 3 FOR GLASS D

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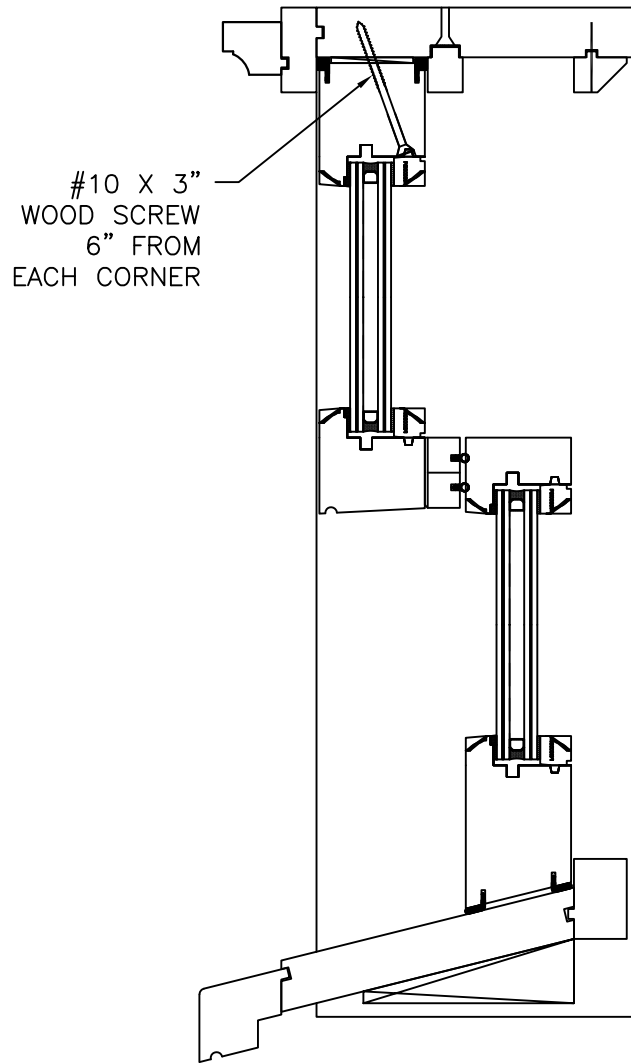
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RWD47 DOUBLE HUNG WINDOW IMPACT DESIGN PRESSURE CHART AND GLAZING DETAILS		
DRAWN: A.R.	DWG NO. 08-03571B	REV B
SCALE NTS	DATE 01/26/21	SHEET 4 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



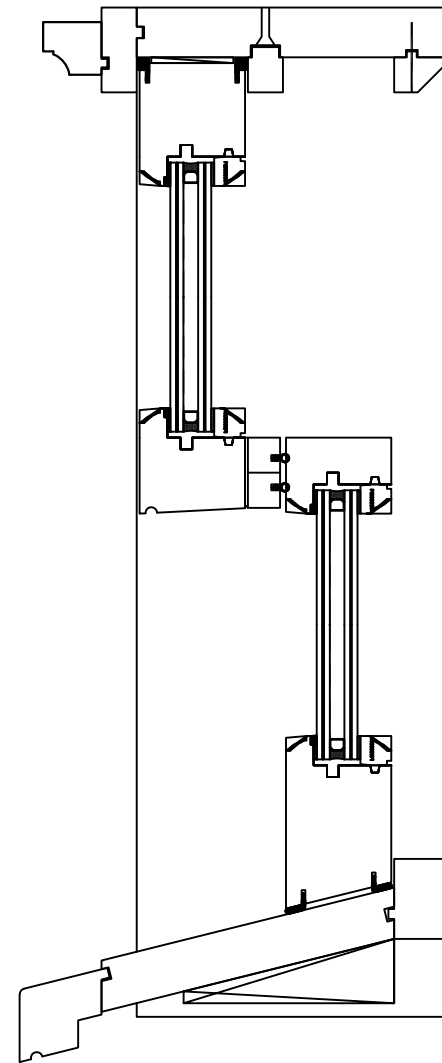
Luis R. Lomas P.E.
FL No.: 62514



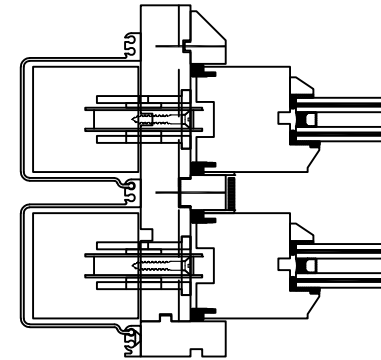
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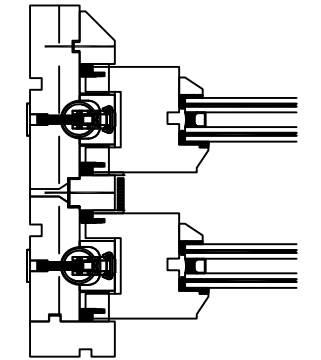
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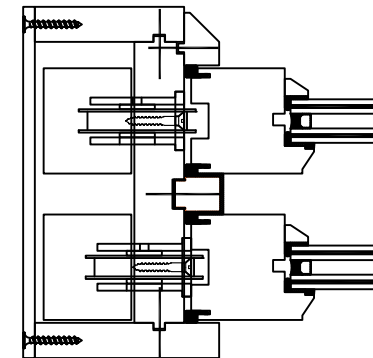
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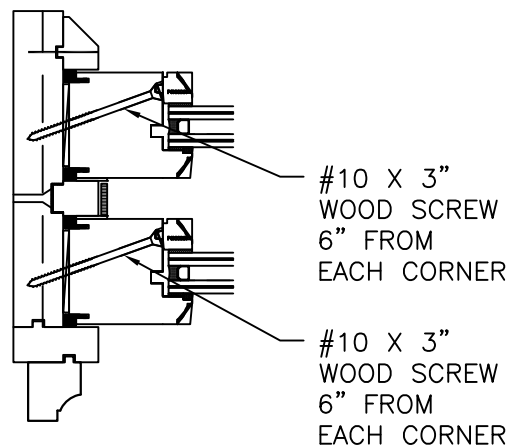
UNIT WITH COUNTERWEIGHT
BALANCE
LEFT SIDE SHOWN RIGHT SIDE SIMILAR



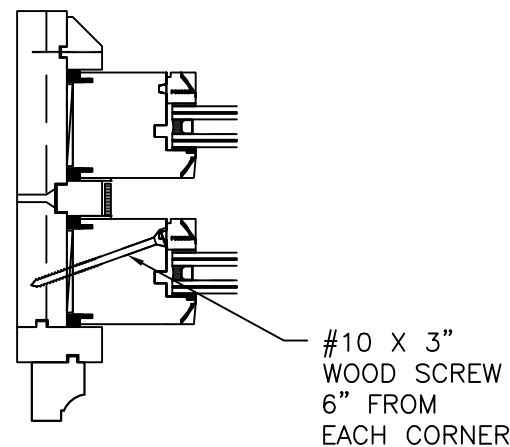
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LEFT SIDE SHOWN RIGHT SIDE SIMILAR



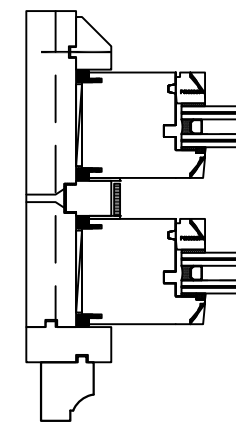
UNIT WITH COUNTERWEIGHT BALANCE
AND WOOD BOX
LEFT SIDE SHOWN RIGHT SIDE SIMILAR



FIXED WINDOW
HORIZONTAL CROSS SECTION
LEFT SIDE SHOWN, RIGHT SIDE SIMILAR



SINGLE HUNG WINDOW
HORIZONTAL CROSS SECTION
LEFT SIDE SHOWN, RIGHT SIDE SIMILAR

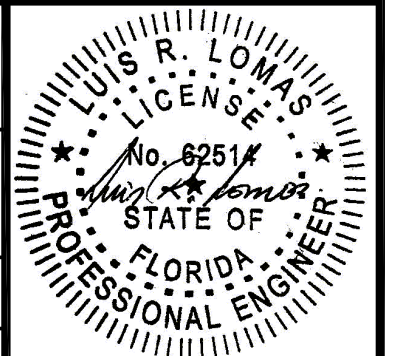


DOUBLE HUNG WINDOW
HORIZONTAL CROSS SECTION
LEFT SIDE SHOWN, RIGHT SIDE SIMILAR

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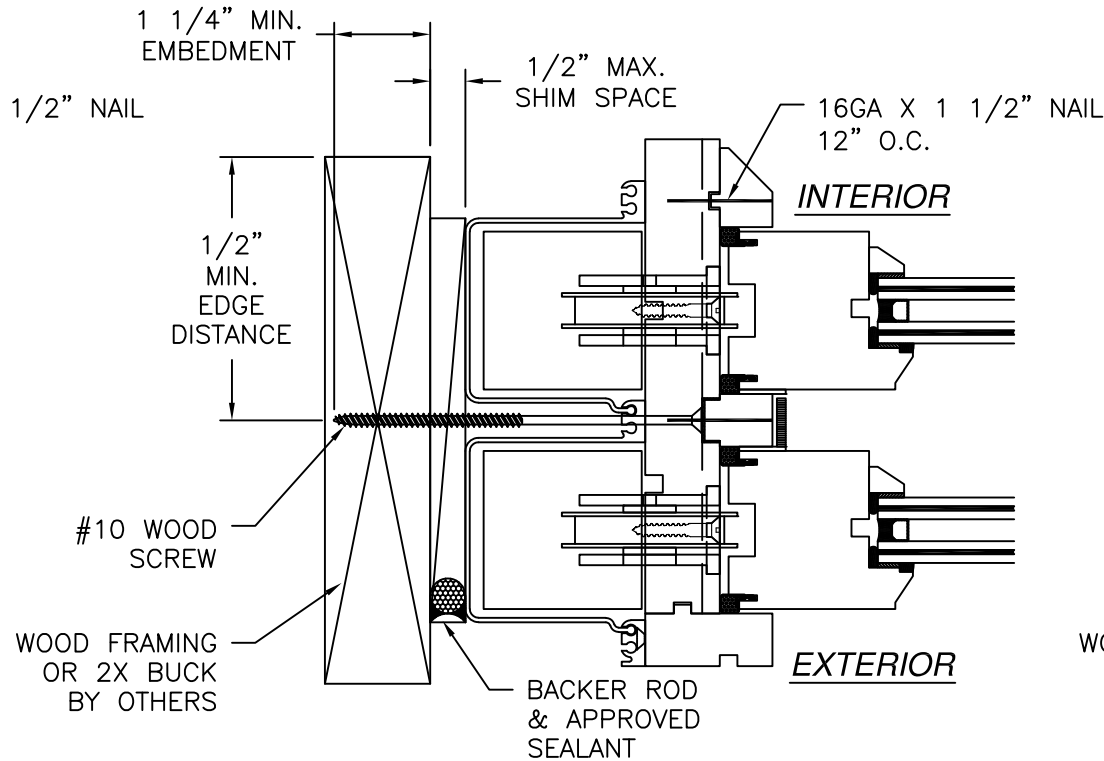
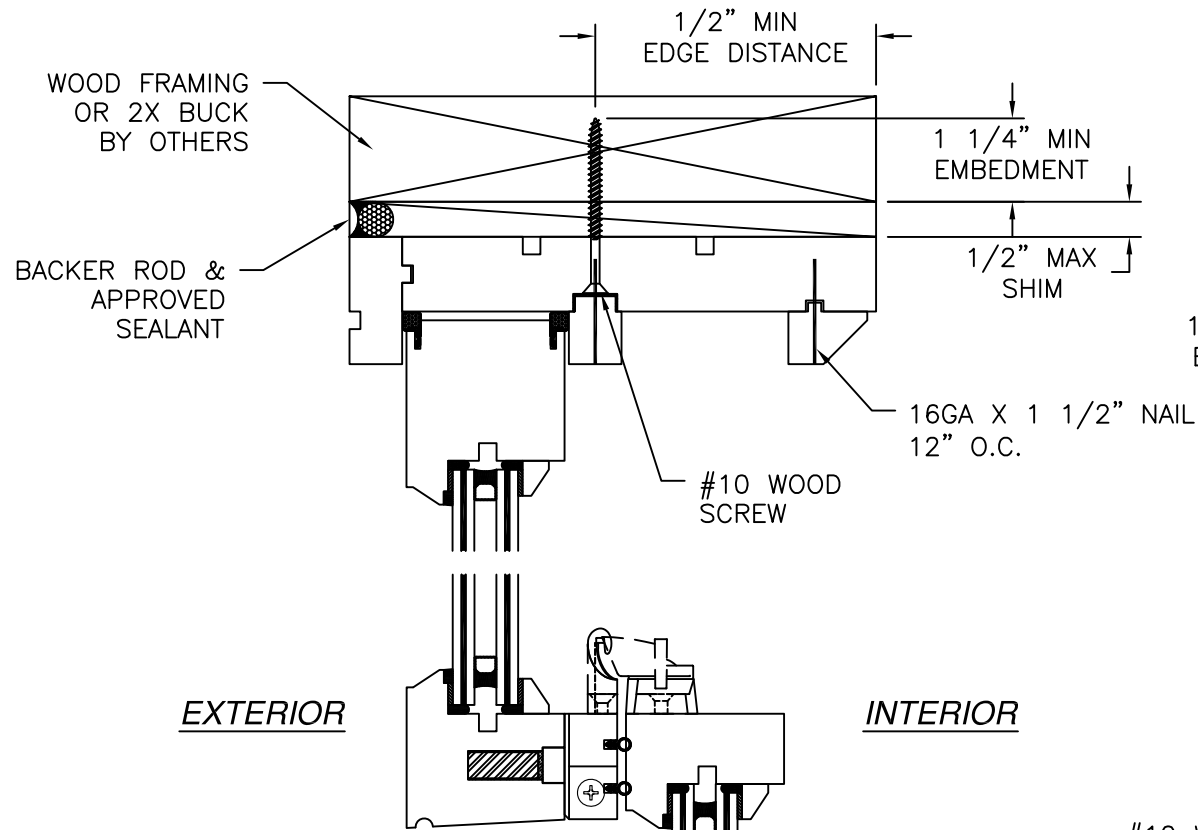
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RWD47 DOUBLE HUNG WINDOW IMPACT APPROVED CONFIGURATIONS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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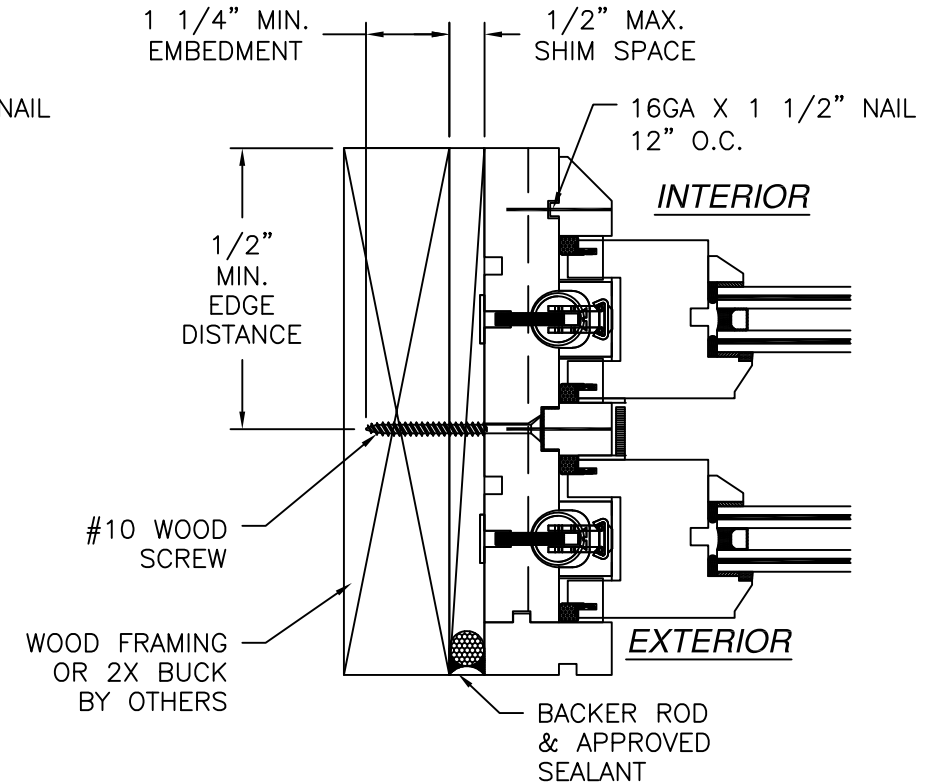


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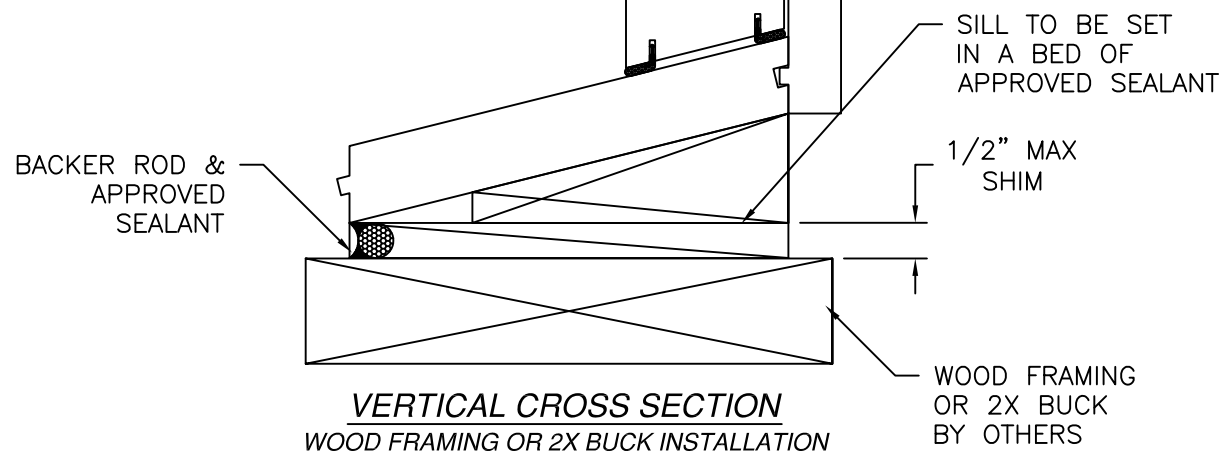
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**JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE**
WOOD FRAMING OR 2X BUCK INSTALLATION



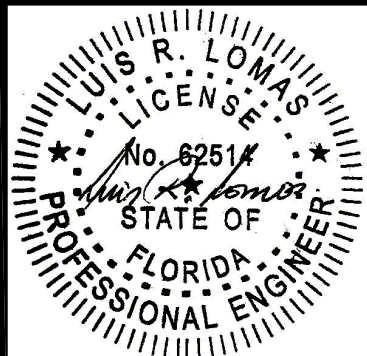
**JAMB INSTALLATION DETAIL
W/SPIRAL BALANCE**
WOOD FRAMING OR 2X BUCK INSTALLATION



- 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

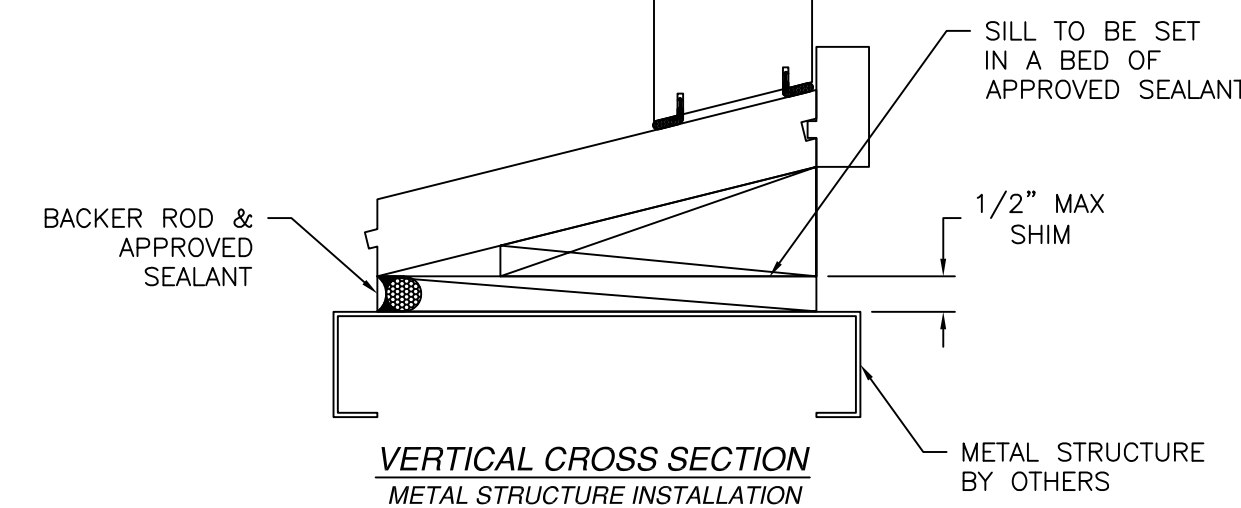
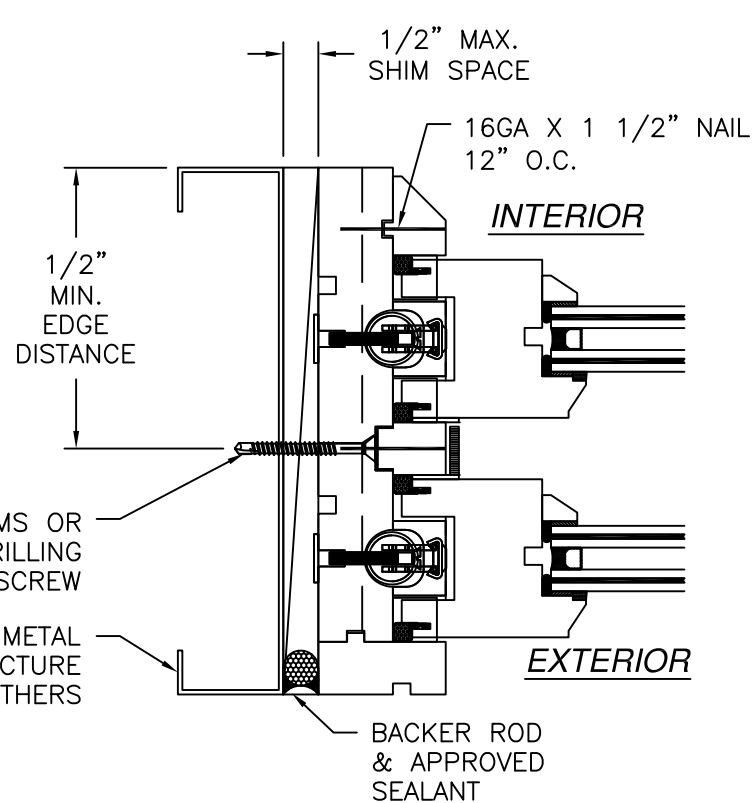
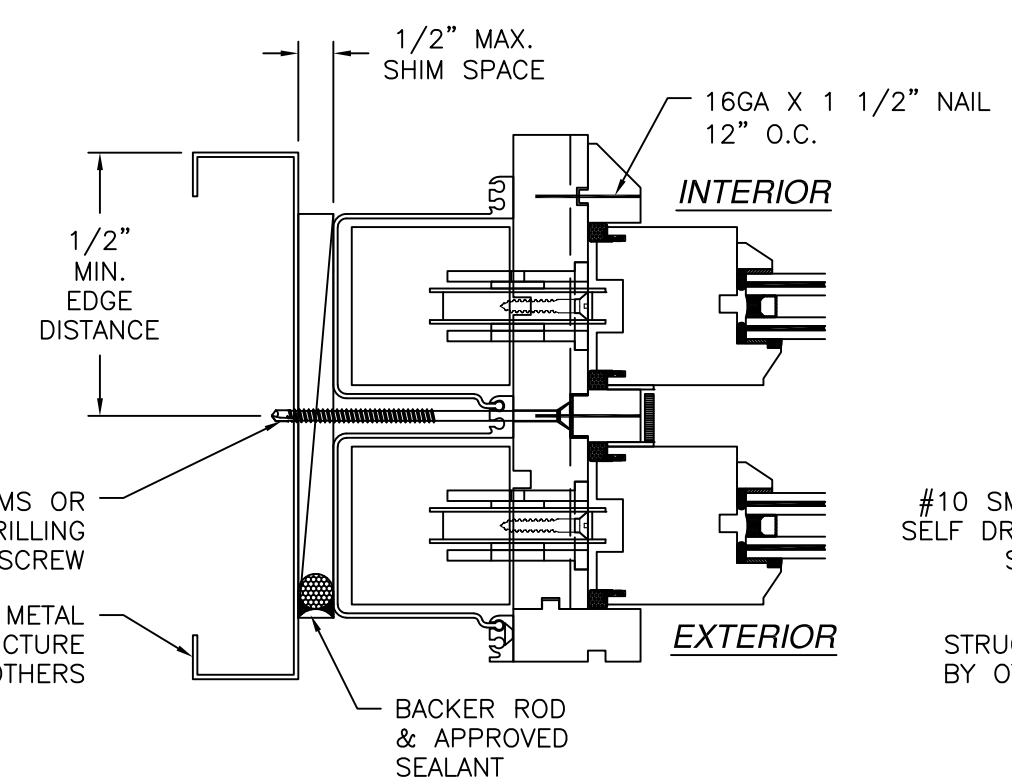
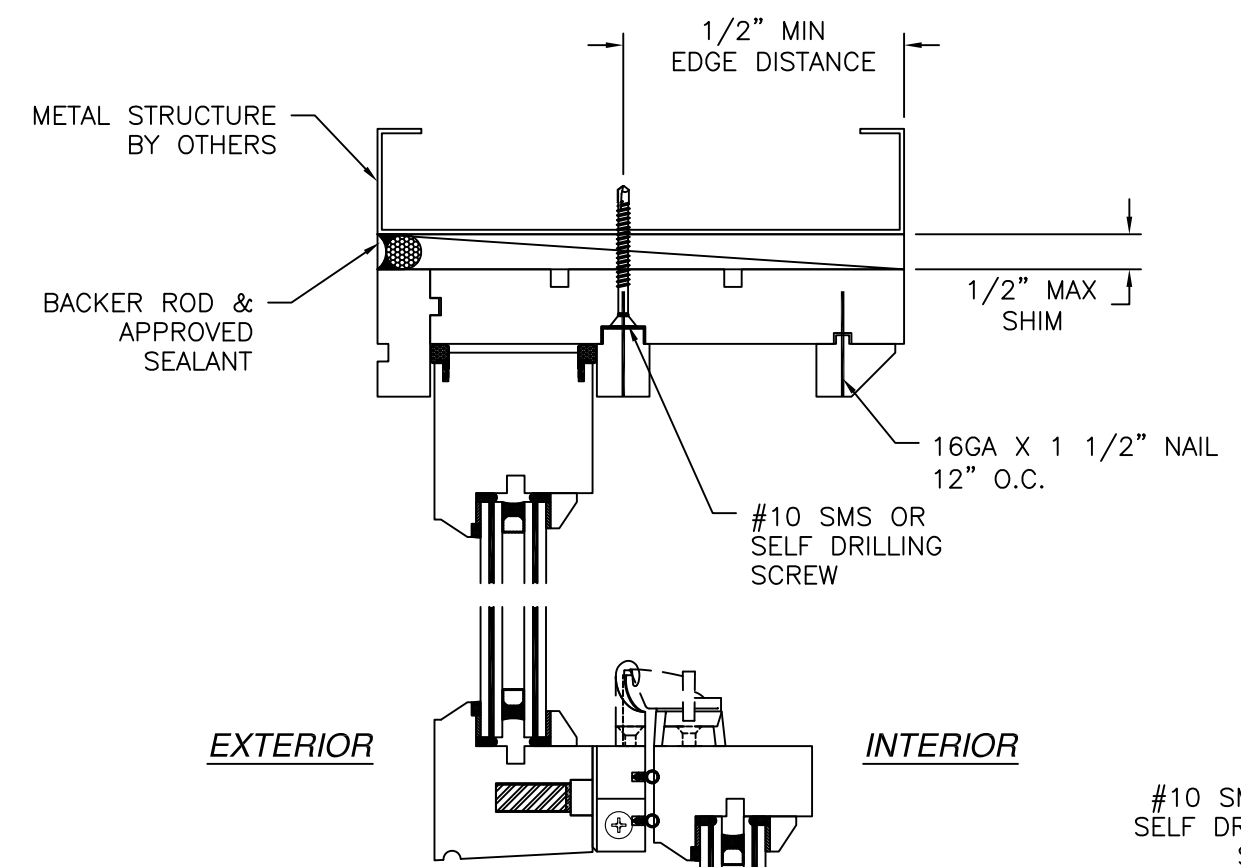
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RWD47 DOUBLE HUNG WINDOW IMPACT INSTALLATION DETAILS		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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**JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE
METAL STRUCTURE INSTALLATION**

**JAMB INSTALLATION DETAIL
W/SPIRAL BALANCE
METAL STRUCTURE INSTALLATION**

- NOTES:
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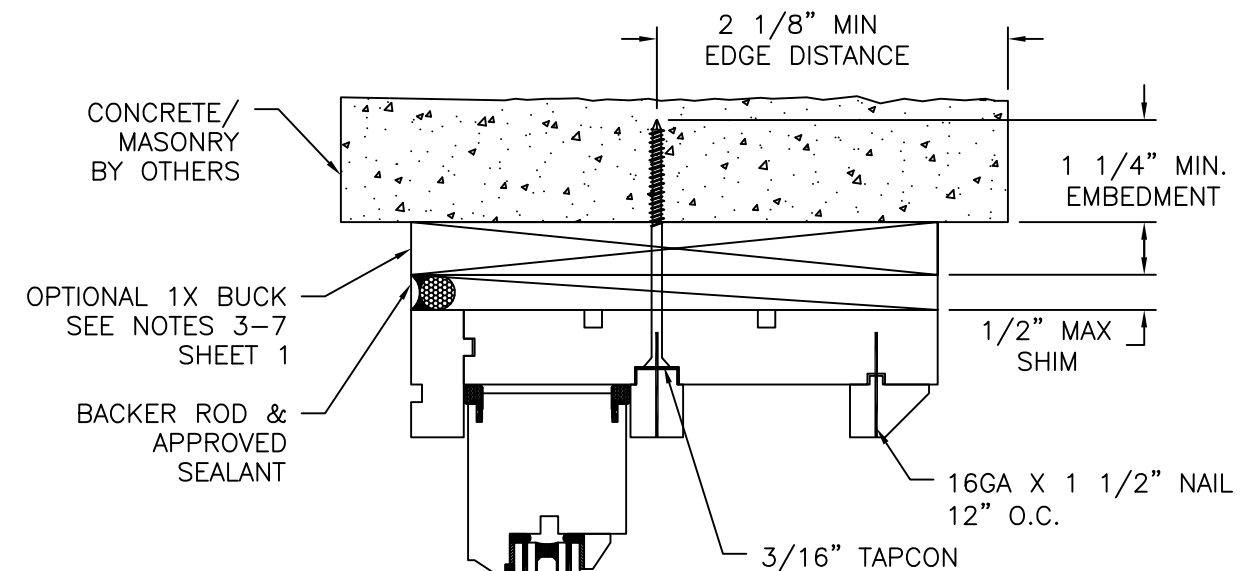
SHEET
7 OF 12

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

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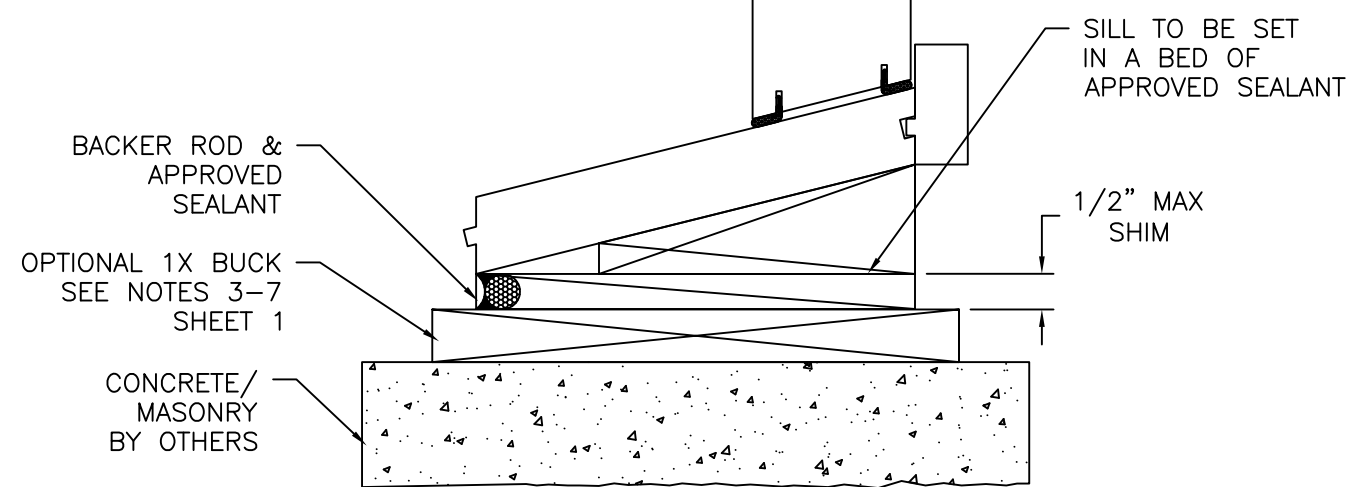
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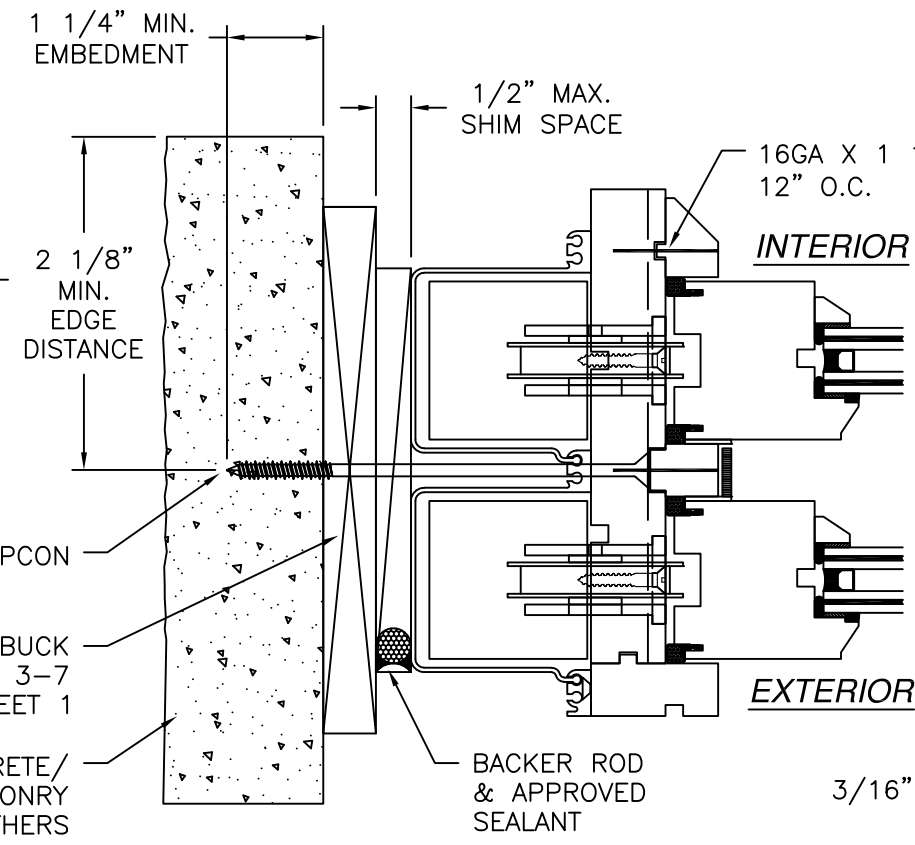
INTERIOR

EXTERIOR



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

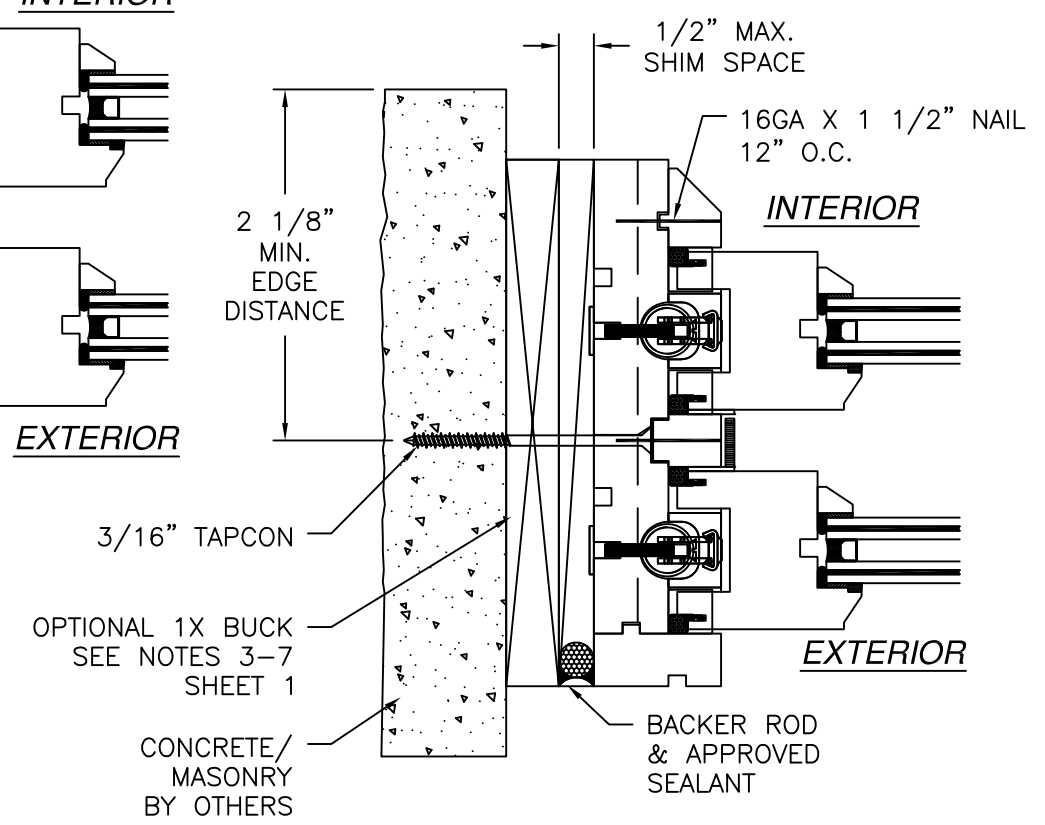
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JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE
CONCRETE/MASONRY INSTALLATION

INTERIOR

EXTERIOR



JAMB INSTALLATION DETAIL
W/SPIRAL BALANCE
CONCRETE/MASONRY INSTALLATION

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RWD47 DOUBLE HUNG WINDOW
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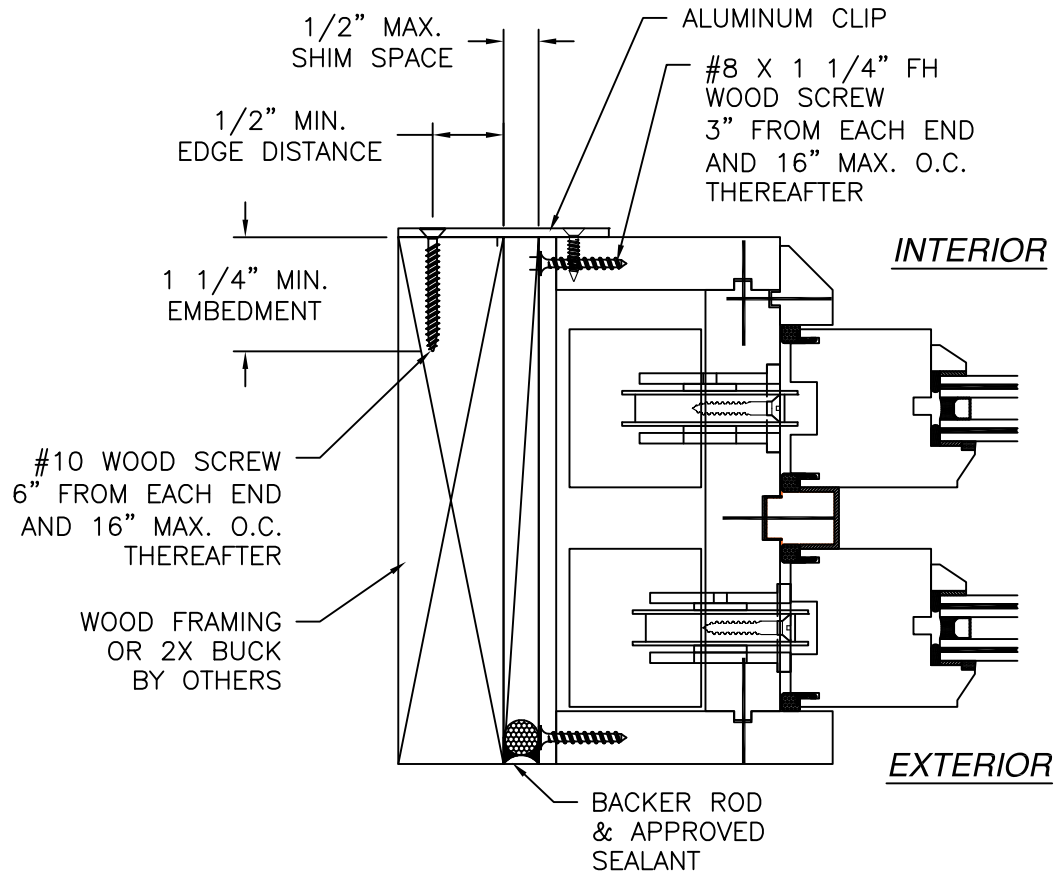
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SHEET 8 OF 12

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

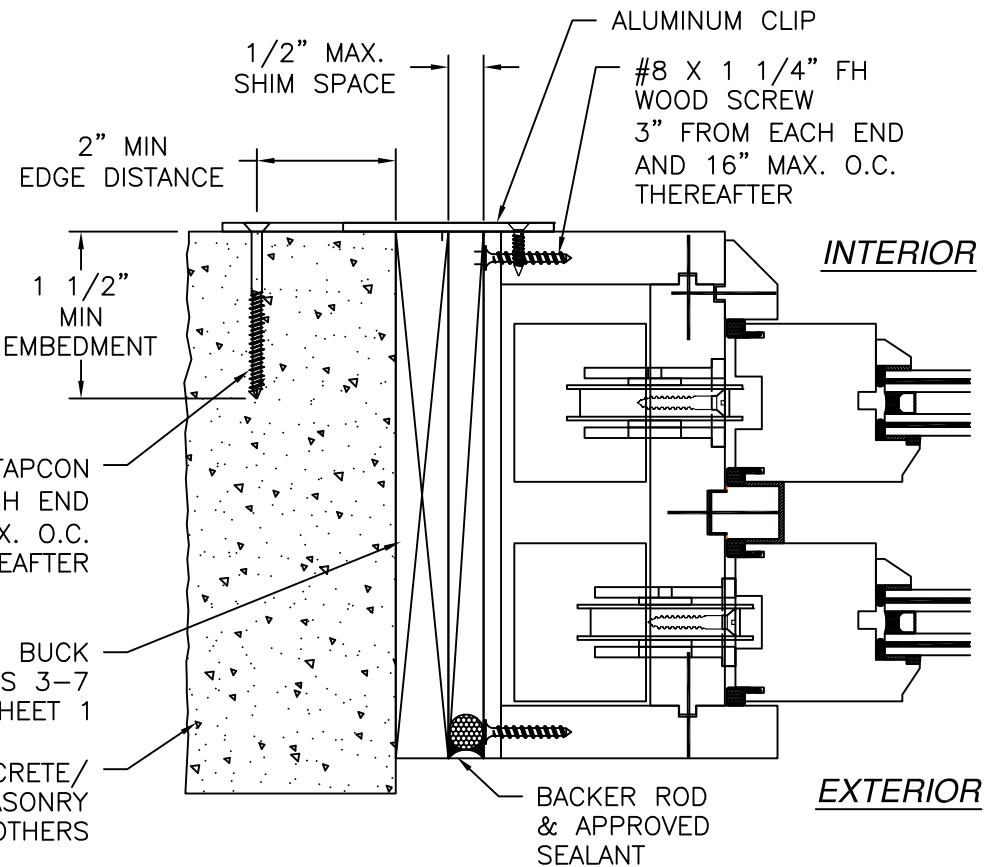
Luis R. Lomas
Professional Engineer
No. 62514
STATE OF FLORIDA

Luis R. Lomas P.E.
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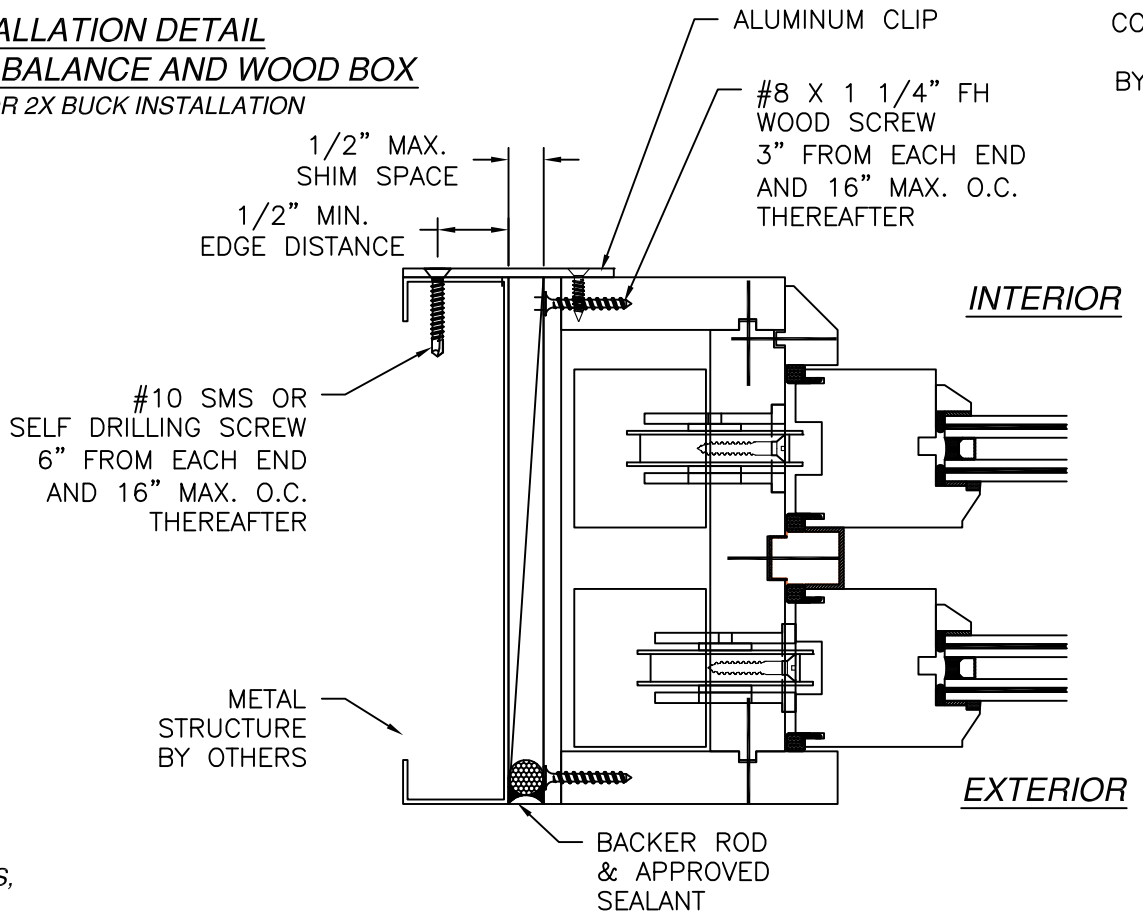
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JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE AND WOOD BOX
 WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE AND WOOD BOX
 CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE AND WOOD BOX
 METAL STRUCTURE INSTALLATION

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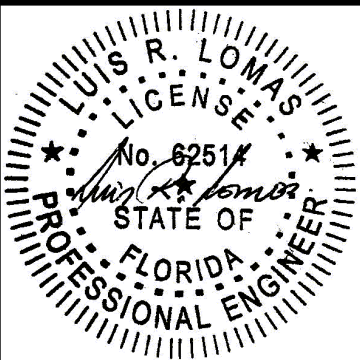
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9 OF 12

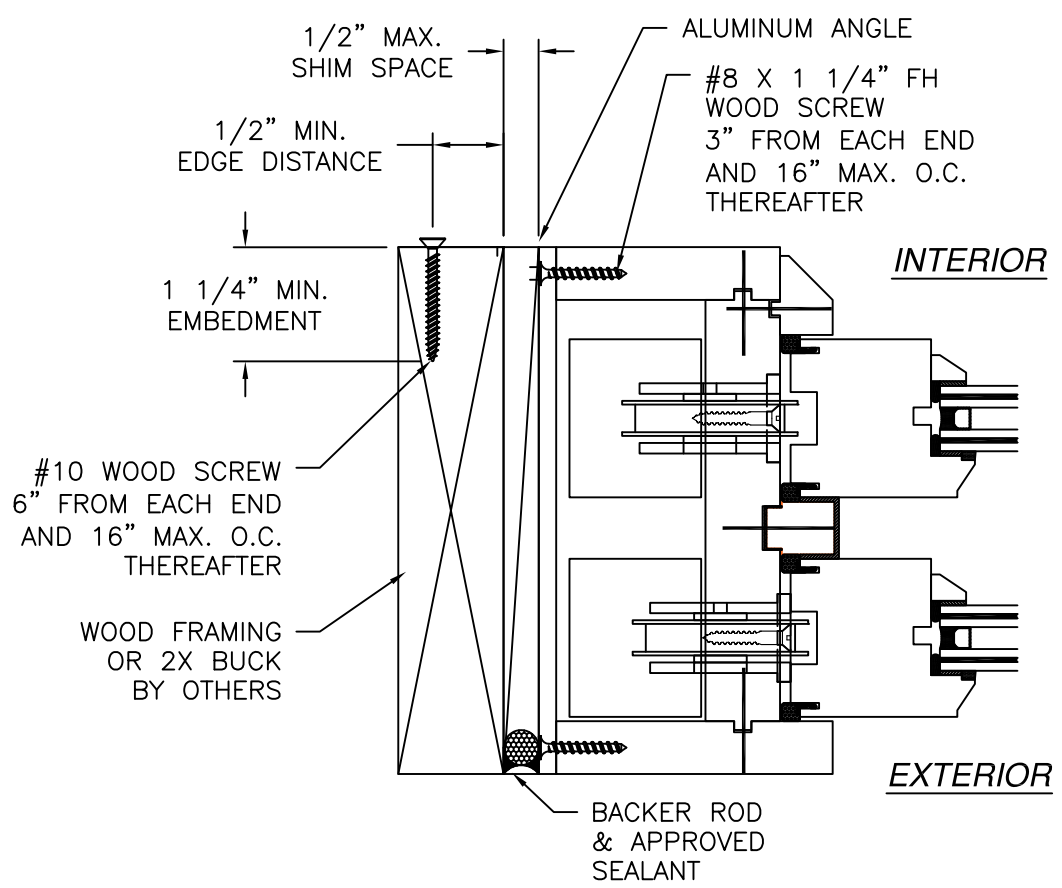
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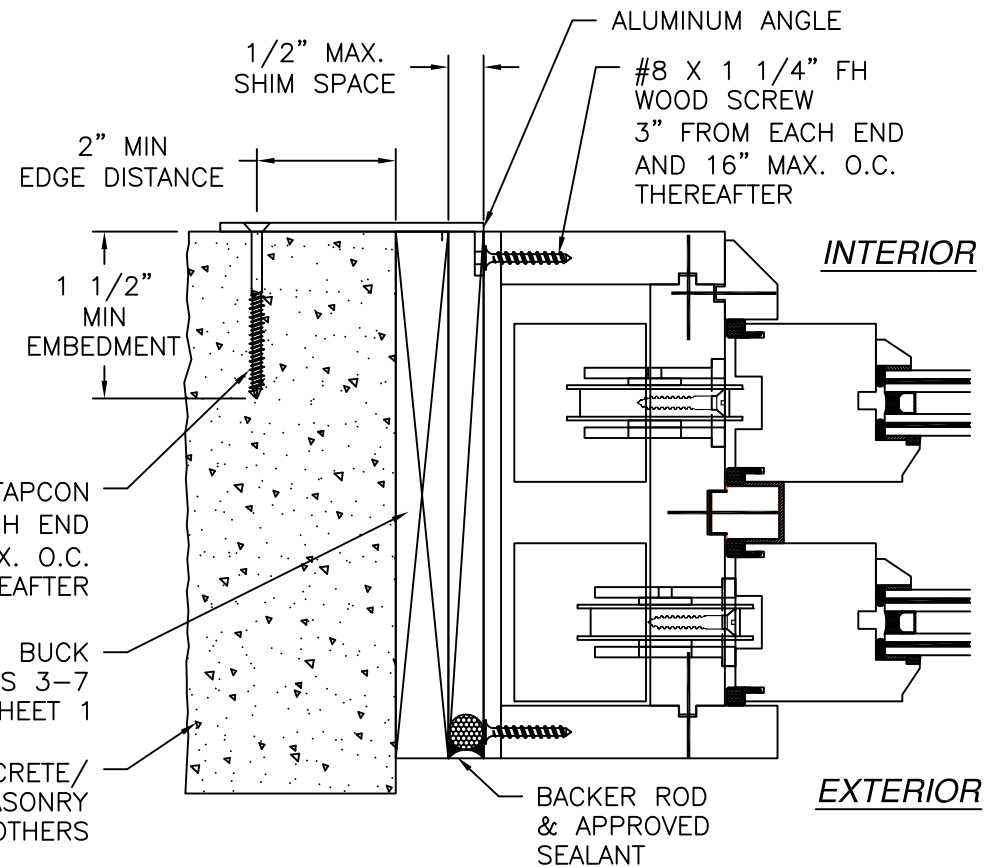


Luis R. Lomas P.E.
 FL No.: 62514

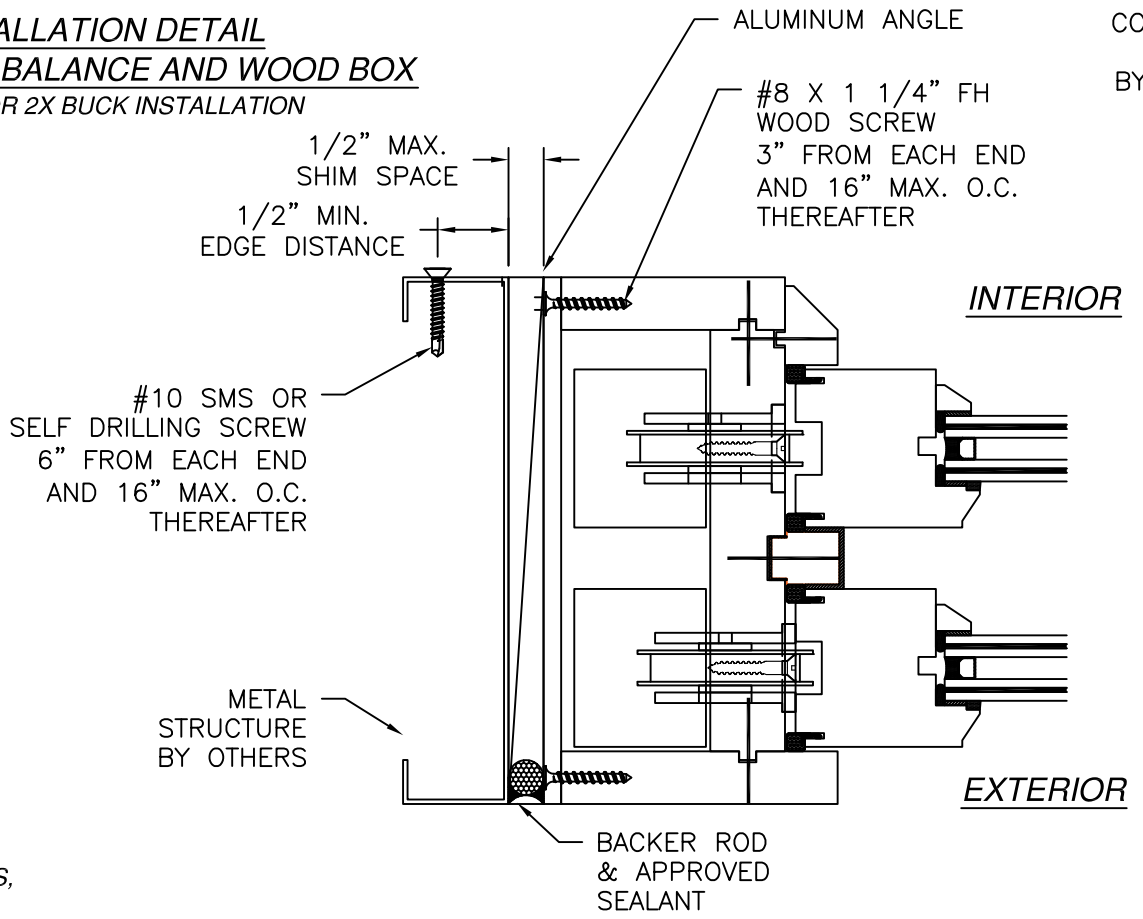
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED APPROVED CONFIGURATIONS	01/27/26	R.L.



JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE AND WOOD BOX
 WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE AND WOOD BOX
 CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
W/COUNTERWEIGHT BALANCE AND WOOD BOX
 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: 07/20/2026

REILLY WINDOW & DOORS
901 BURMAN BLVD., BLDG 701
CALVERTON, NY 11933

RWD47 DOUBLE HUNG WINDOW
IMPACT
INSTALLATION DETAILS

DRAWN:
A.R.

DWG NO.
08-03571B

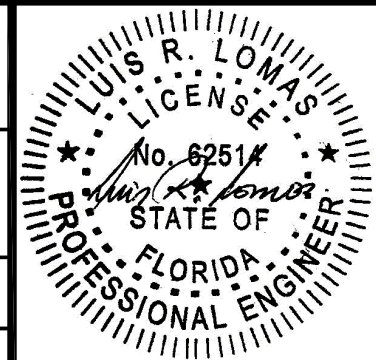
REV
B

SCALE
NTS

DATE
01/26/21

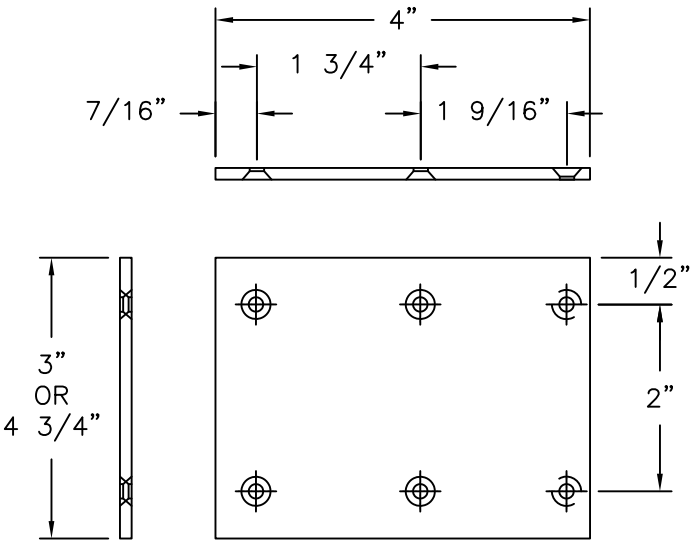
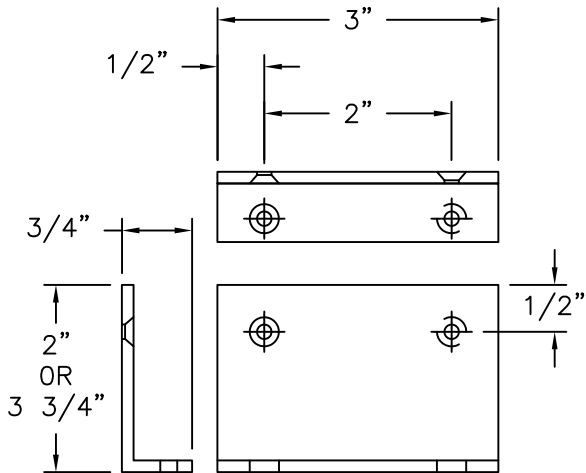
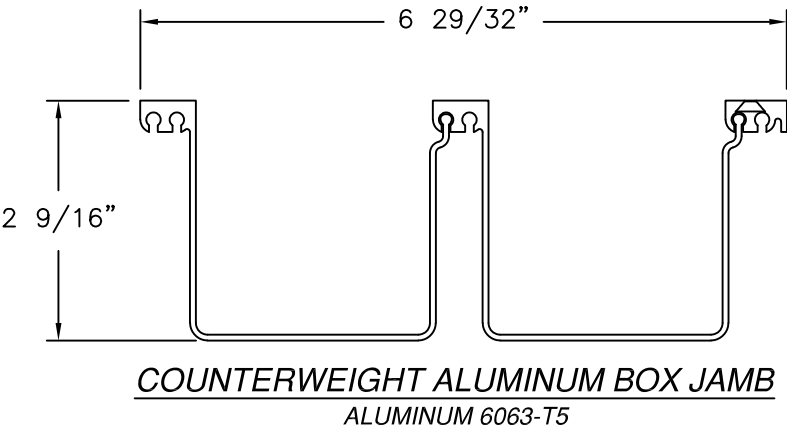
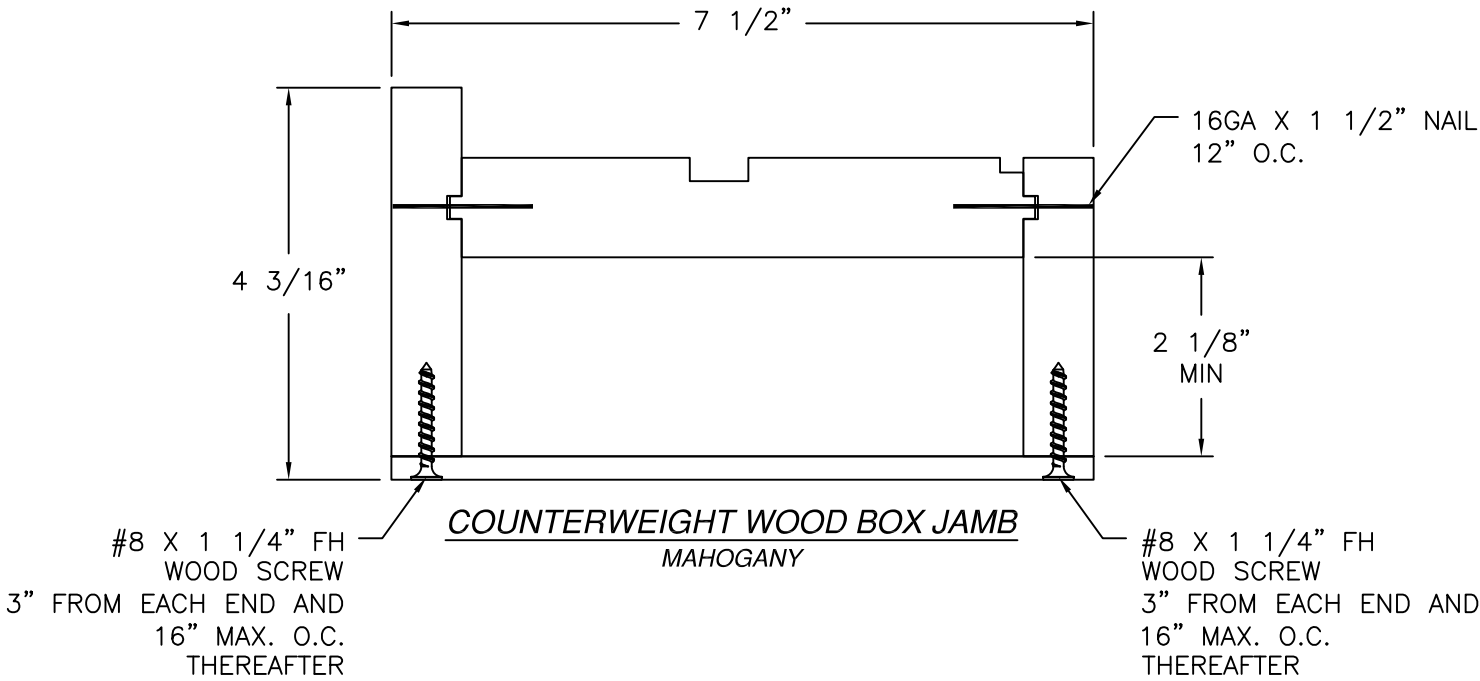
SHEET
10 OF 12

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



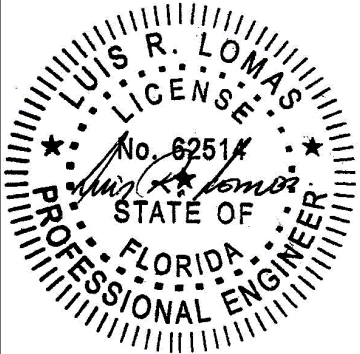
Luis R. Lomas P.E.
 FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED APPROVED CONFIGURATIONS	01/27/26	R.L.



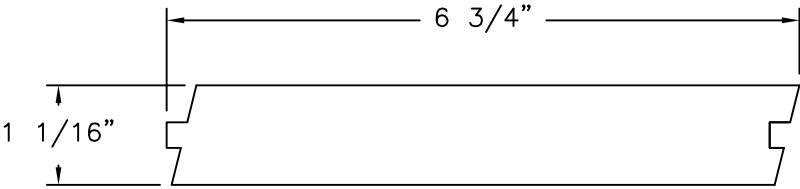
REILLY WINDOW & DOORS 901 BURMAN BLVD., BLDG 701 CALVERTON, NY 11933		
RWD47 DOUBLE HUNG WINDOW IMPACT COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03571B	REV B
SCALE NTS	DATE 01/26/21	SHEET 11 OF 12
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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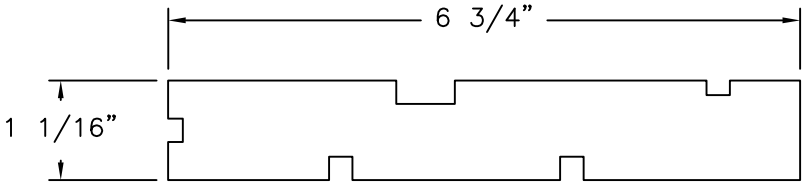


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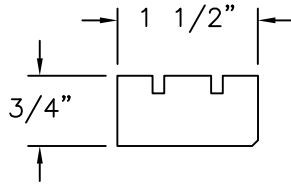
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	ADDED APPROVED CONFIGURATIONS	01/27/26	R.L.



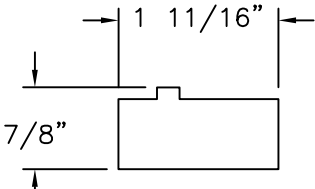
SILL
MAHOGANY



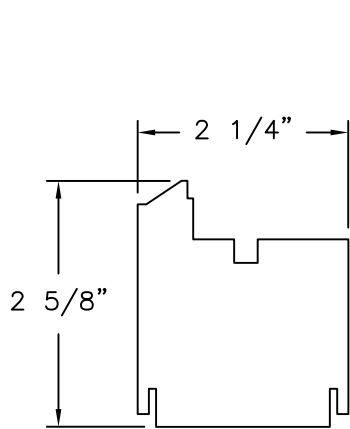
HEAD AND JAMB
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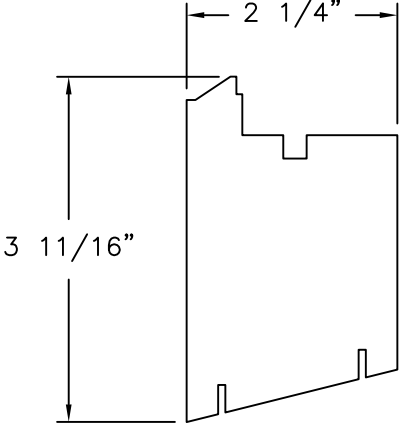
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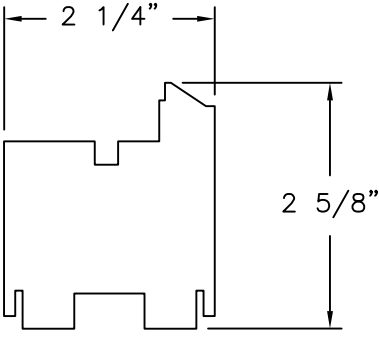
SILL STOP
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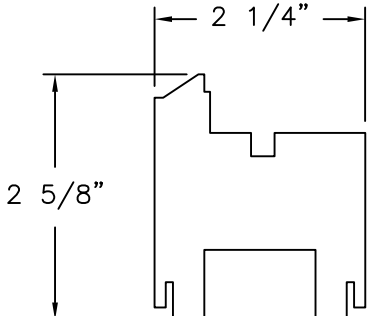
HEAD RAIL UPPER SASH
MAHOGANY



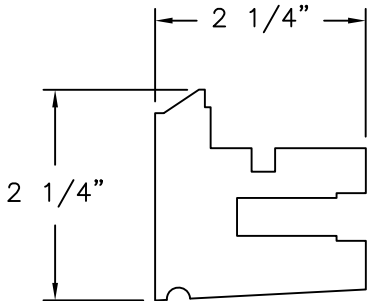
BOTTOM RAIL LOWER SASH
MAHOGANY



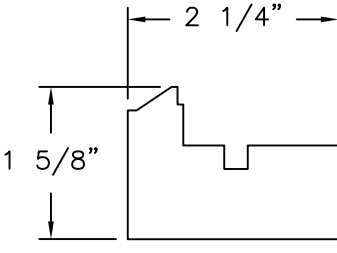
SASH STILE, LEFT
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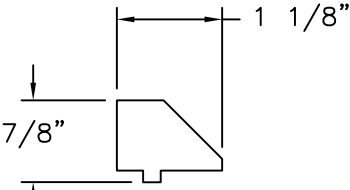
SASH STILE, RIGHT
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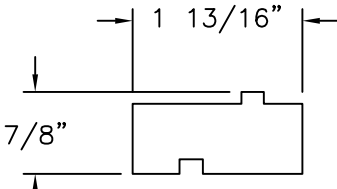
BOTTOM RAIL UPPER SASH
MAHOGANY



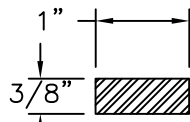
TOP RAIL BOTTOM SASH
MAHOGANY



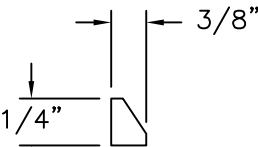
INTERIOR STOP AT
HEAD AND LEGS
MAHOGANY



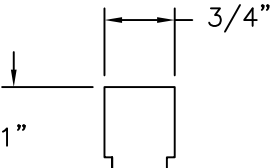
EXTERIOR STOP AT
HEAD AND LEGS
MAHOGANY



REINFORCEMENT BAR
TYPE 304
STAINLESS STEEL



GLASS STOP
MAHOGANY



PARTING STRIP
MAHOGANY

SIGNED: 07/20/2026

REILLY WINDOW & DOORS
901 BURMAN BLVD., BLDG 701
CALVERTON, NY 11933

RWD47 DOUBLE HUNG WINDOW
IMPACT
COMPONENTS

DRAWN:
A.R.

DWG NO.
08-03571B

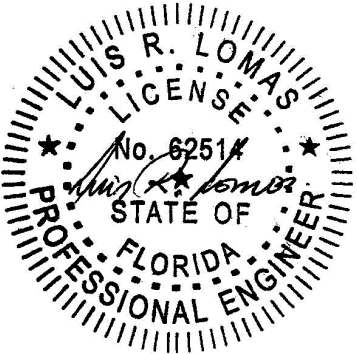
REV
B

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NTS

DATE
01/26/21

SHEET
12 OF 12

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