

| 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 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”.
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 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 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.
15. FOR ANCHORING 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.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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:

17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH f’m=2,000PSI MINIMUM.

17.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM

SIGNED: 09/28/2023

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| 4 – 8             | INSTALLATION DETAILS     |

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

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

DRAWN:  
N.G.

DWG NO.  
08-02876

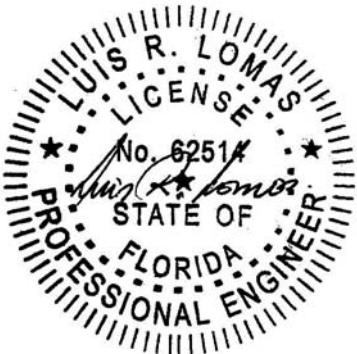
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DATE 02/22/2016

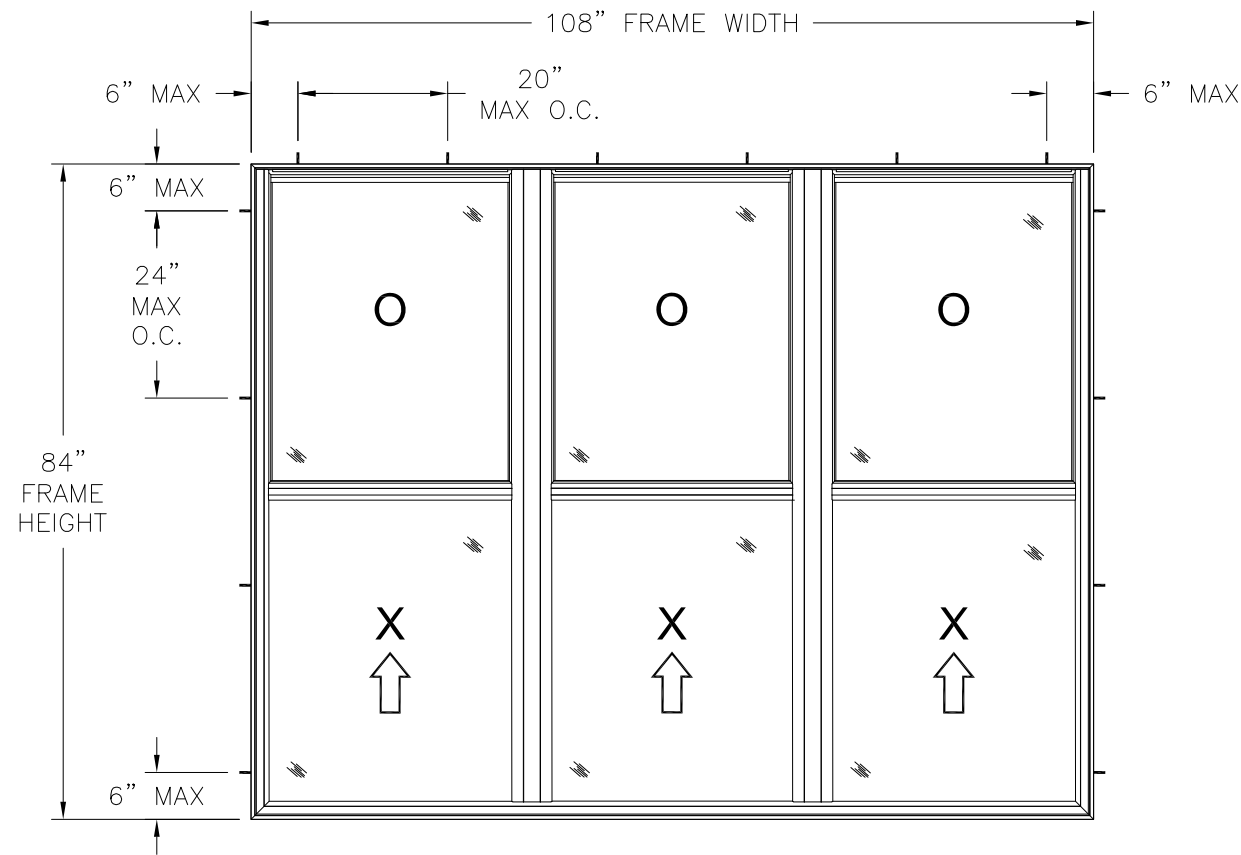
SHEET 1 OF 6

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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400 VINYL TRIPLE SINGLE HUNG WINDOW  
EXTERIOR VIEW

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|---------------|
| ±20.0PSF               | NONE          |

SEE OTHER SIZES, SEE CHART #1 SHEET 2

NOTES:

1. SASH SIZE: 32 7/8" X 41"
2. D.L.O.: 31" X 38 1/2"
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

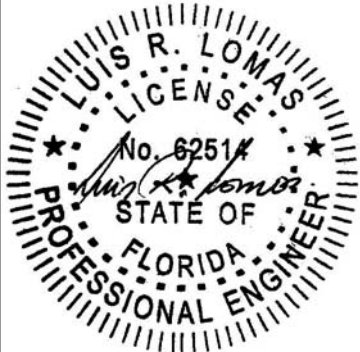
| HARDWARE SCHEDULE |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| A.                | (2 PER SASH) CAM LOCK WITH KEEPER AT 8 1/4" FROM EACH END OF INTERIOR MEETING RAIL  |
| B.                | (1 PER JAMB) BLOCK AND TACKLE BALANCE SYSTEM W/SHOE AT JAMB POCKET 2" 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                               |
| H.                | ALUMINUM REINFORCEMENT (T-12576) AT SASH STILES                                     |

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              | 25.0             | 30.0 | 25.0 | 30.0 | 25.0 | 30.0 | 25.0 | 30.0 | 25.0  | 30.0 | 25.0  | 30.0 |
| 48.0              | 25.0             | 30.0 | 25.0 | 30.0 | 25.0 | 30.0 | 25.0 | 30.0 | 25.0  | 30.0 | 25.0  | 30.0 |
| 54.0              | 25.0             | 30.0 | 25.0 | 30.0 | 25.0 | 30.0 | 25.0 | 30.0 | 25.0  | 30.0 | 25.0  | 30.0 |
| 60.0              | 25.0             | 30.0 | 25.0 | 30.0 | 25.0 | 30.0 | 25.0 | 30.0 | 25.0  | 29.7 | 25.0  | 29.0 |
| 66.0              | 25.0             | 30.0 | 25.0 | 30.0 | 25.0 | 29.7 | 25.0 | 27.5 | 25.0  | 25.8 | 25.0  | 25.1 |
| 72.0              | 25.0             | 30.0 | 25.0 | 29.3 | 25.0 | 26.5 | 24.4 | 24.4 | 22.8  | 22.8 | 22.2  | 22.2 |
| 78.0              | 25.0             | 30.0 | 25.0 | 26.5 | 24.0 | 24.0 | 22.0 | 22.0 | -     | -    | -     | -    |
| 84.0              | 25.0             | 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 | -    | -    | -    | -    | -    | -    | -     | -    | -     | -    |

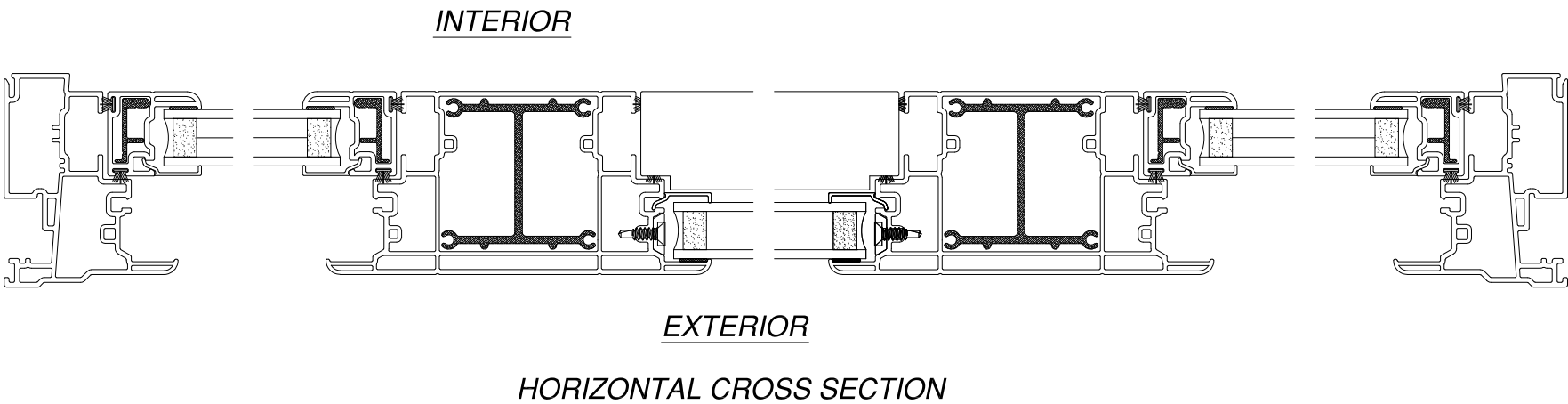
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| MAGNOLIA WINDOW & DOOR<br>1000 PYRATICH DR.<br>BALDWIN, GA 30511                                  |                     |              |
| 400 VINYL TRIPLE SINGLE HUNG WINDOW<br>NON-IMPACT 108" X 84"<br>ELEVATION                         |                     |              |
| DRAWN:<br>N.G.                                                                                    | DWG NO.<br>08-02876 | REV<br>A     |
| SCALE NTS                                                                                         | DATE 02/22/2016     | SHEET 2 OF 6 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |              |

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

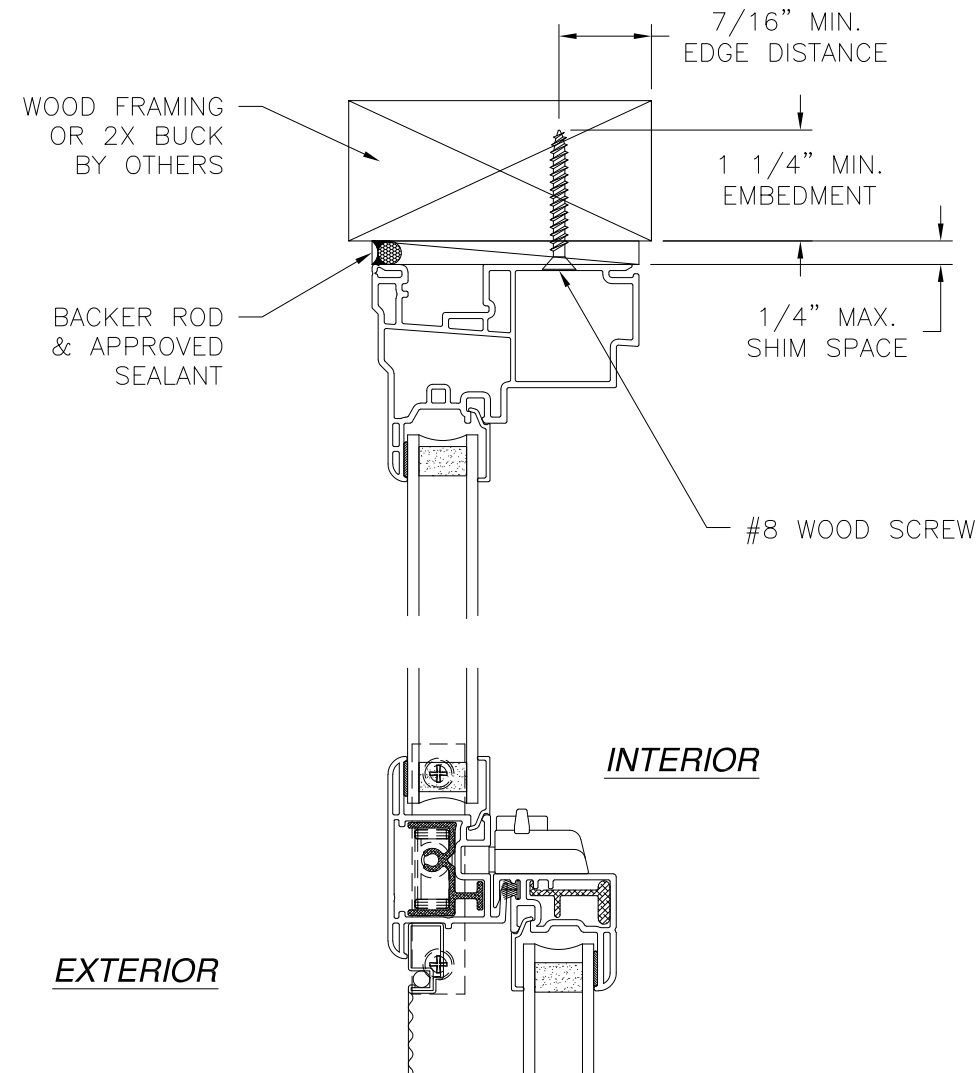
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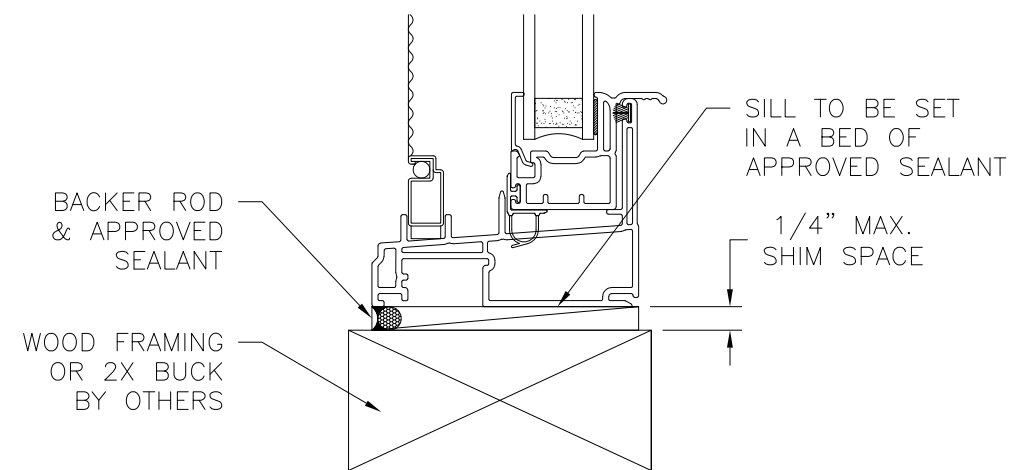
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| 400 VINYL TRIPLE SINGLE HUNG WINDOW<br>NON-IMPACT 108" X 84"<br>HORIZONTAL CROSS SECTION          |                     |              |
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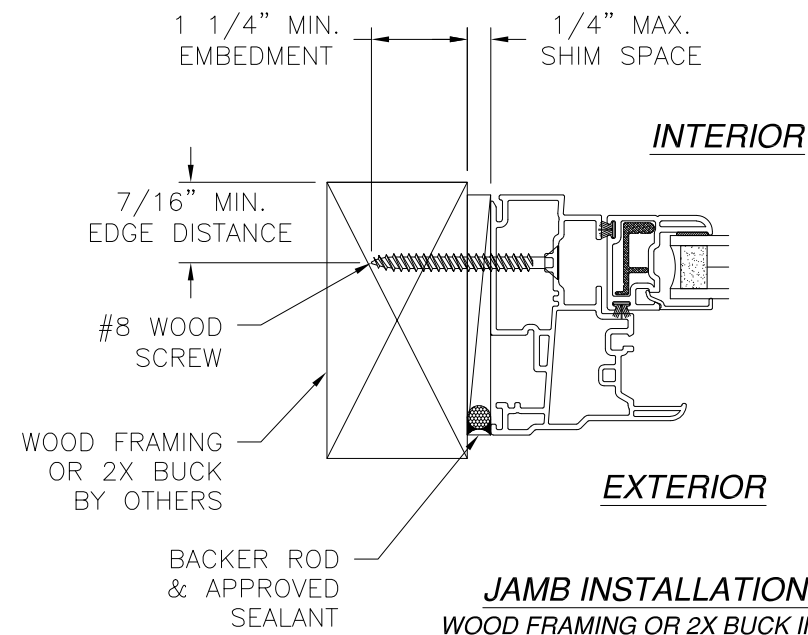


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION  
WOOD FRAMING OR 2X BUCK INSTALLATION



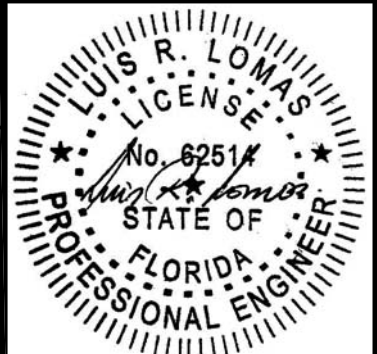
JAMB INSTALLATION DETAIL  
WOOD FRAMING OR 2X BUCK INSTALLATION

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

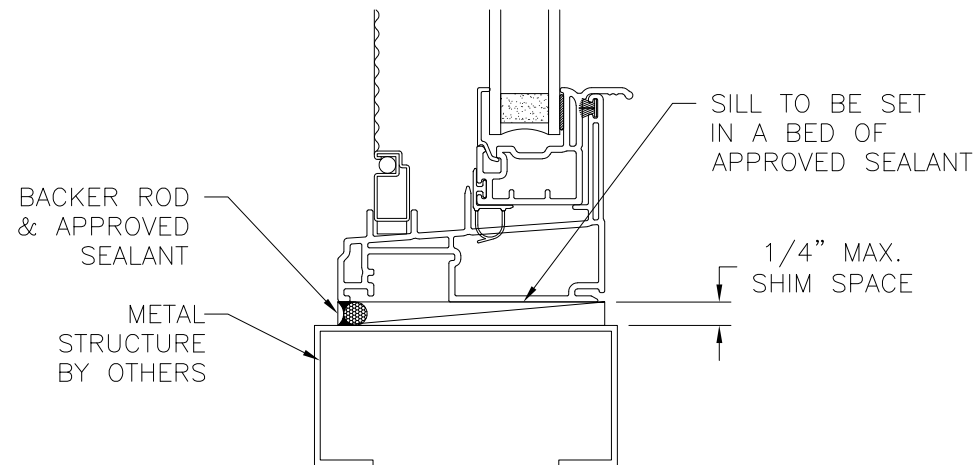
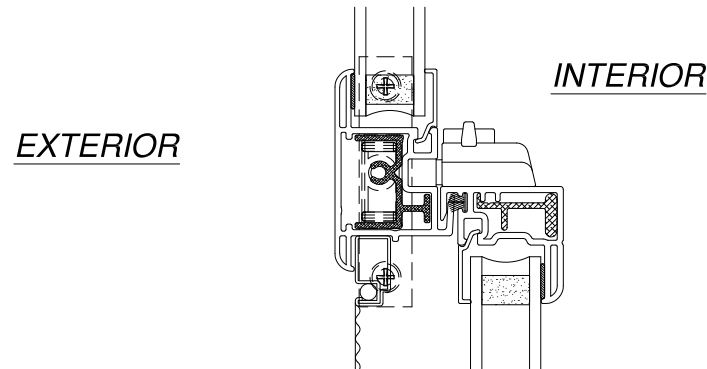
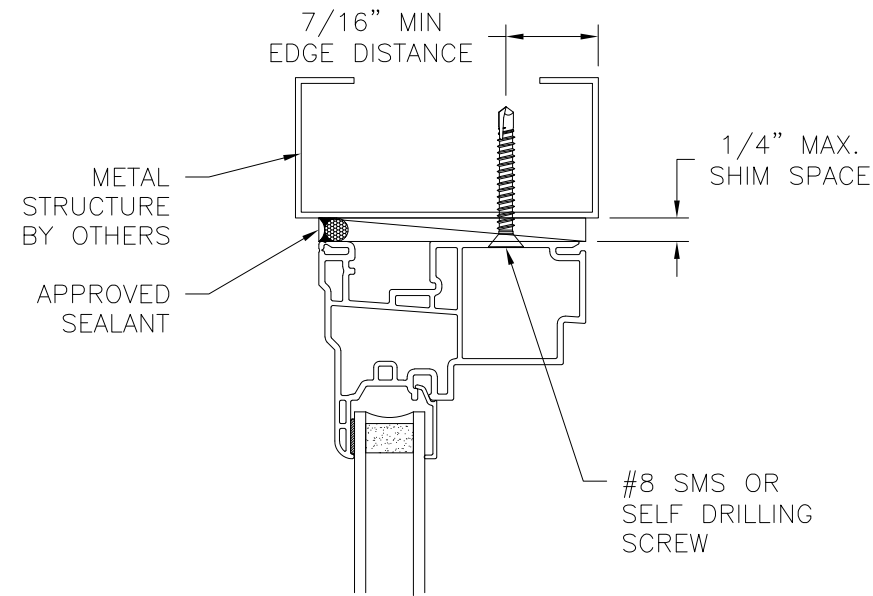
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| SCALE<br>NTS                                                                                      | DATE<br>02/22/2016  | SHEET<br>4 OF 6 |
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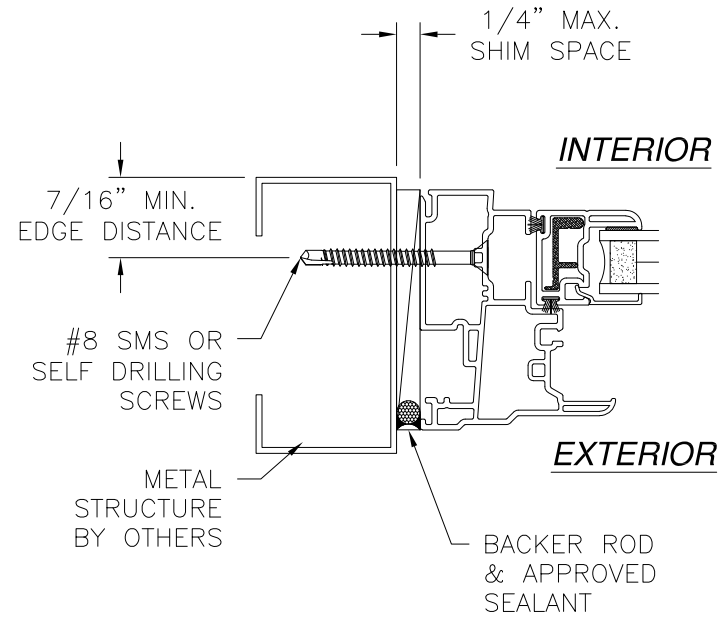


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



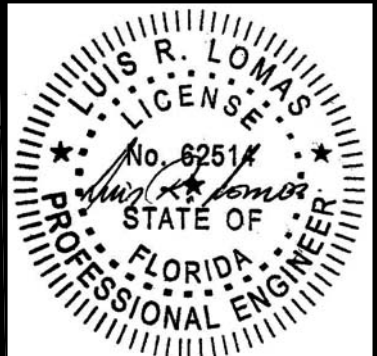
**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

**NOTES:**

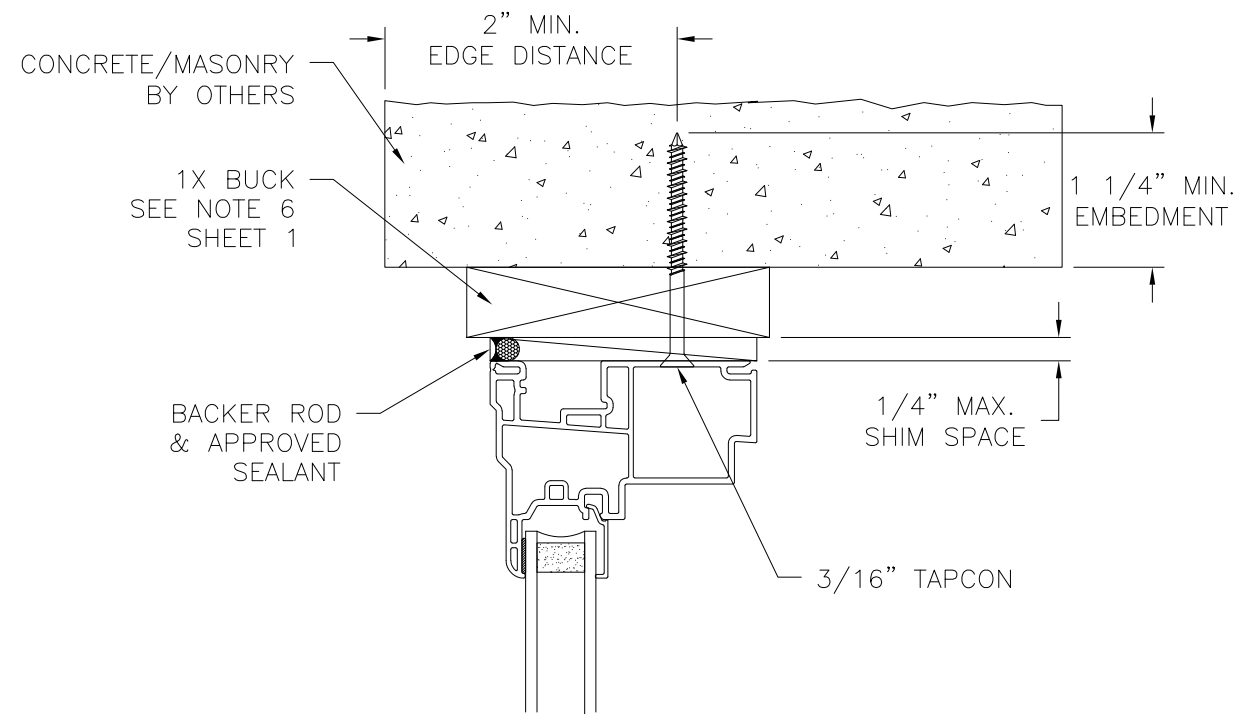
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2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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|                                                                                                   |                     |                 |
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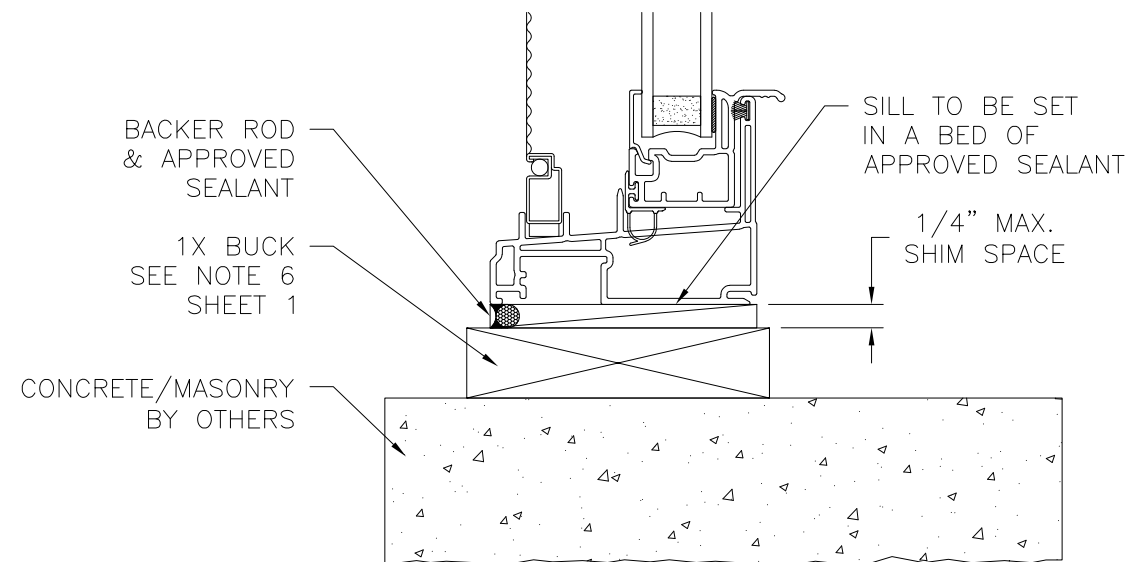


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EXTERIOR

INTERIOR

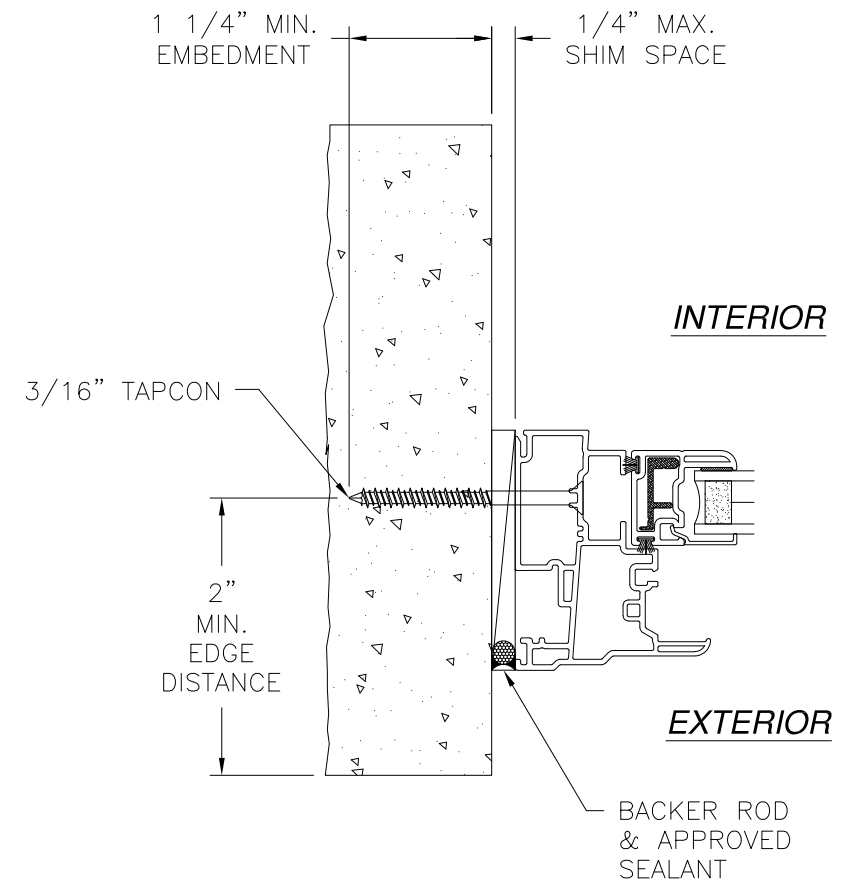


**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION  
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO  
JAMB INSTALLATION DETAIL

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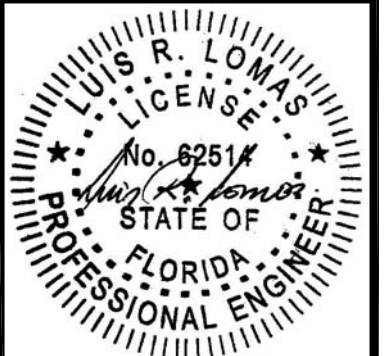
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**JAMB INSTALLATION DETAIL**  
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION  
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO  
HEAD AND SILL INSTALLATION DETAILS

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|                                                                                                   |                     |                 |
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