

| REVISIONS |                      |            |          |
|-----------|----------------------|------------|----------|
| REV       | DESCRIPTION          | DATE       | APPROVED |
| A         | REVISED PER NEW CODE | 08/14/2023 | R.L.     |

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING 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" 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. 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 UNIT FRAME 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: ALUMINUM 6063-T5 AND 6063-T6.
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 FRAME INTO WOOD FRAMING OR 2X BUCK USE #12 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 FRAME INTO MASONRY/CONCRETE USE 1/4" 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 THROUGH FRAME INTO METAL STRUCTURE USE #12 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 Fm=2,000PSI MINIMUM.
  - 17.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .125" THICK MINIMUM

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BOYD ALUMINUM MANUFACTURING  
3248 EAST DIVISION  
SPRINGFIELD, MO 65801

4000 SERIES FIXED WINDOW  
NON-IMPACT  
NOTES

DRAWN:  
A.R.

DWG NO.  
08-03606

REV  
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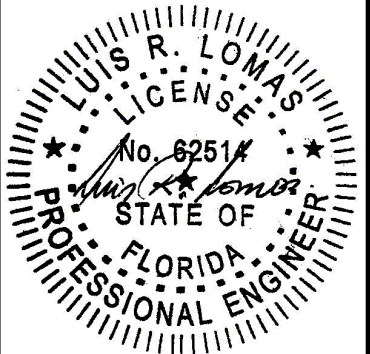
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DATE 08/25/2020

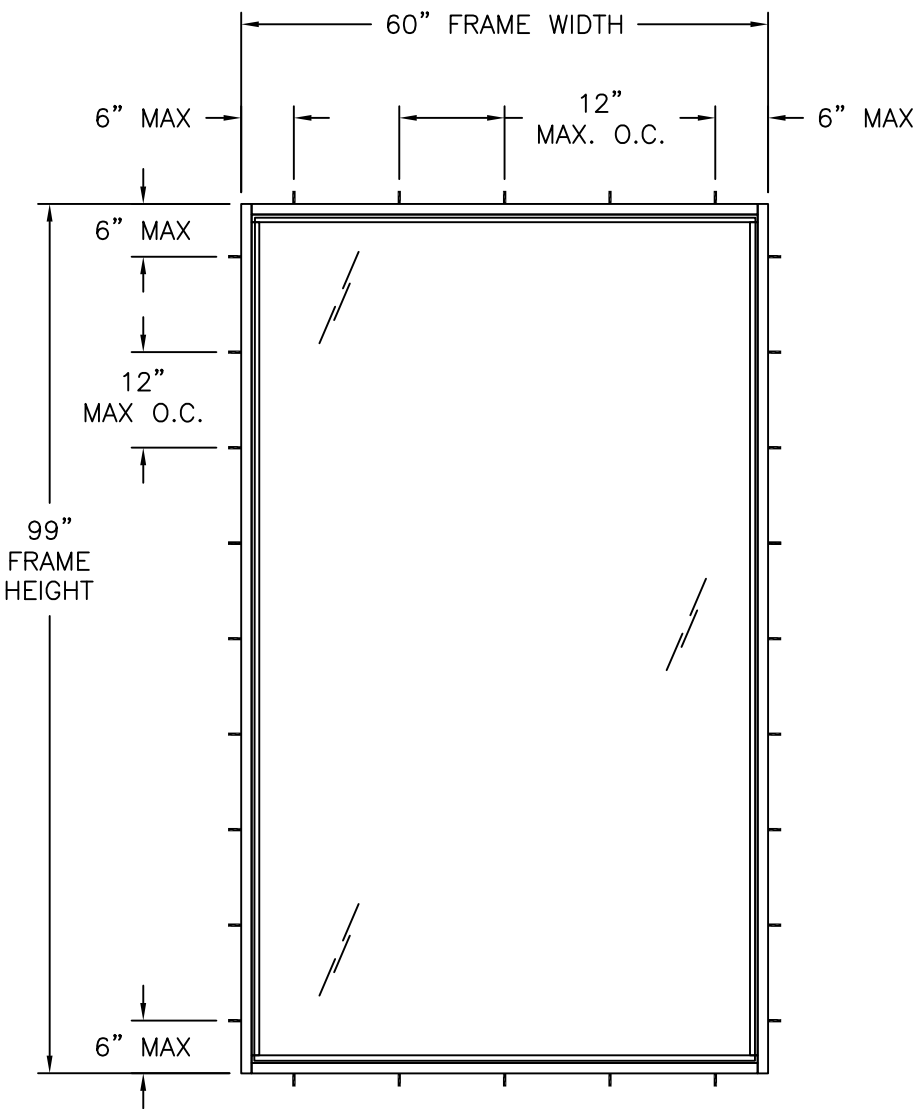
SHEET 1 OF 9

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SIGNED: 07/21/2026



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



4000 SERIES FIXED WINDOW NON-IMPACT  
EXTERIOR VIEW

NOTES:  
1. D.L.O.: 55 7/8" X 94 7/8"

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|---------------|
| ±100.0PSF              | NONE          |

60" X 99" UNIT SHOWN. OTHER SIZES APPROVED AS LONG AS  
FRAME AREA DOES NOT EXCEED 41.25 FT²

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4000 SERIES FIXED WINDOW  
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ELEVATION

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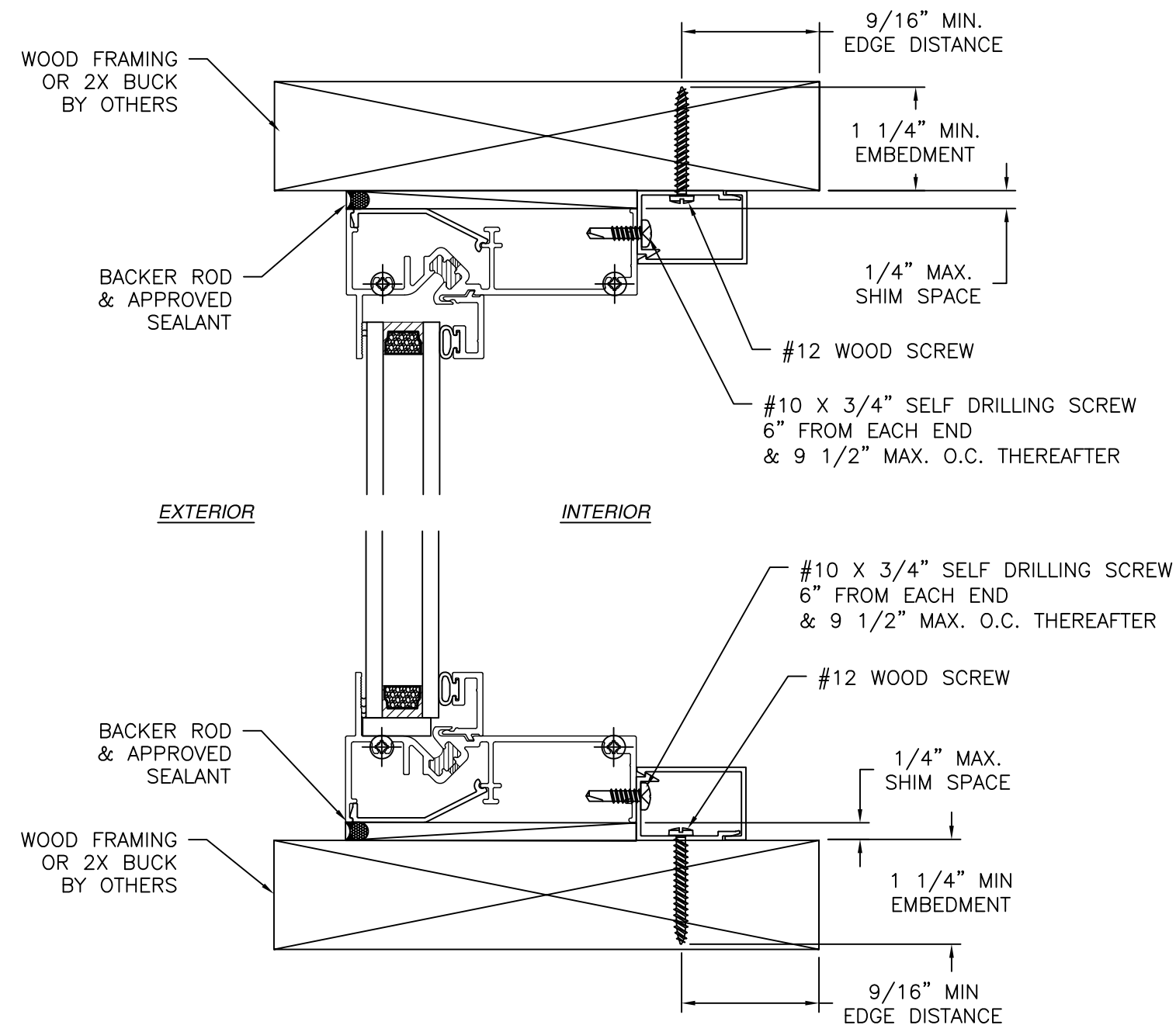
SHEET 2 OF 9

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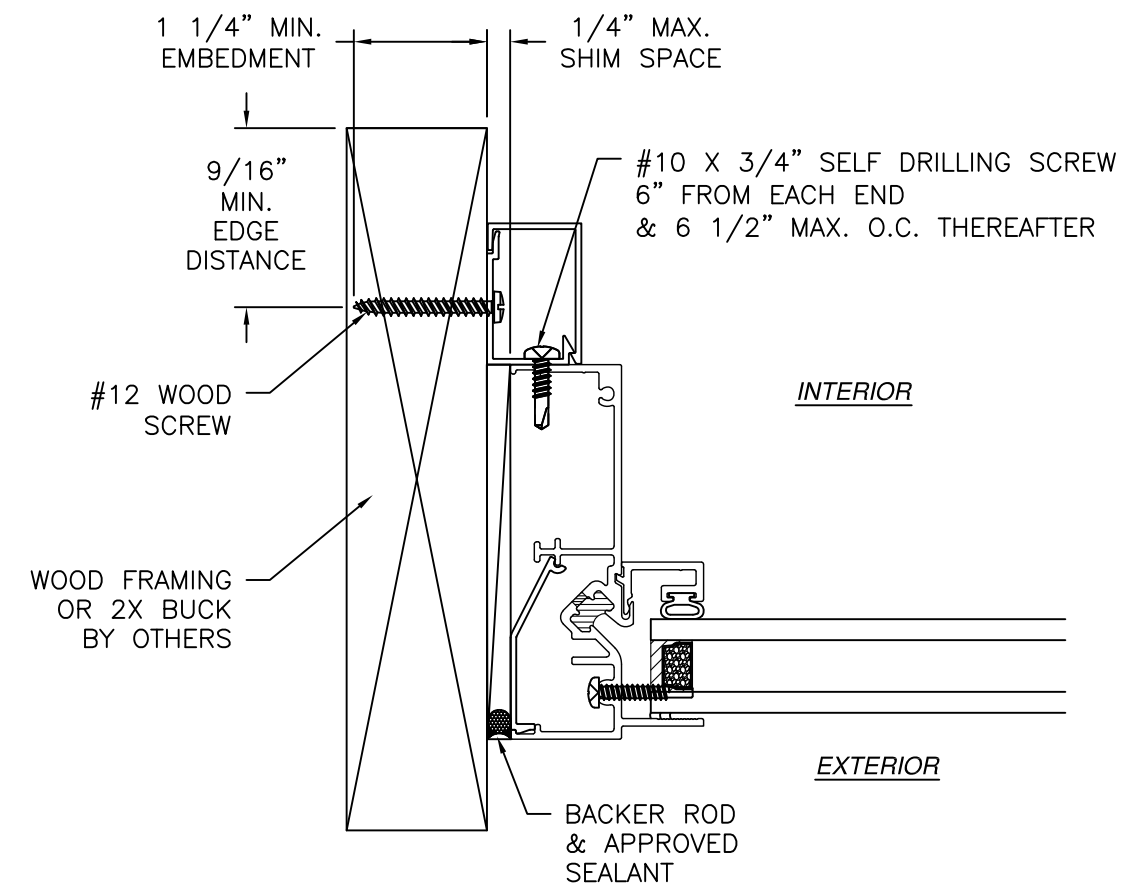
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VERTICAL CROSS SECTION  
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL  
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

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

SIGNED: 07/21/2026

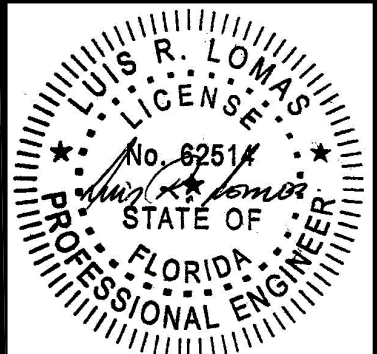
BOYD ALUMINUM MANUFACTURING

3248 EAST DIVISION  
SPRINGFIELD, MO 65801

4000 SERIES FIXED WINDOW  
NON-IMPACT  
INSTALLATION DETAILS

|                |                     |                 |
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| DRAWN:<br>A.R. | DWG NO.<br>08-03606 | REV<br>A        |
| SCALE<br>NTS   | DATE<br>08/25/2020  | SHEET<br>3 OF 9 |

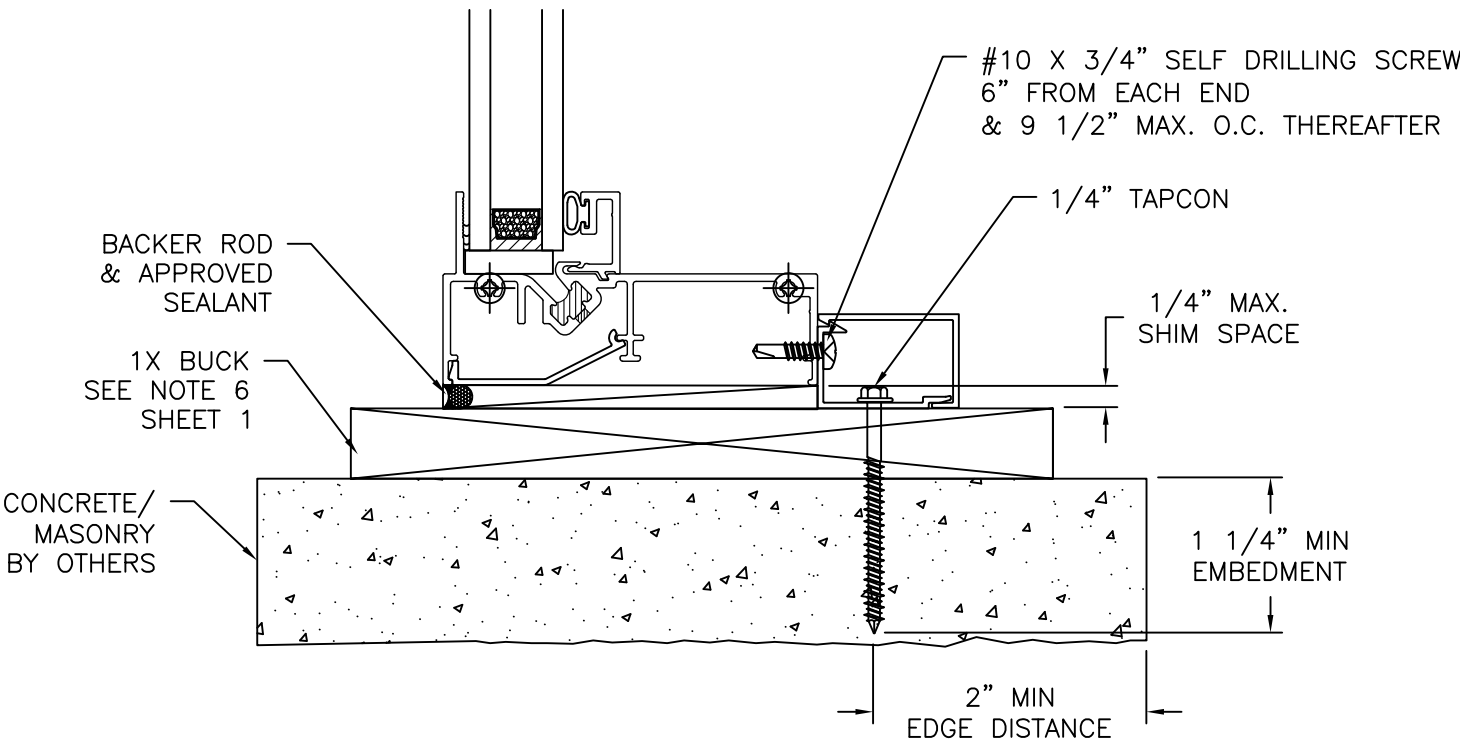
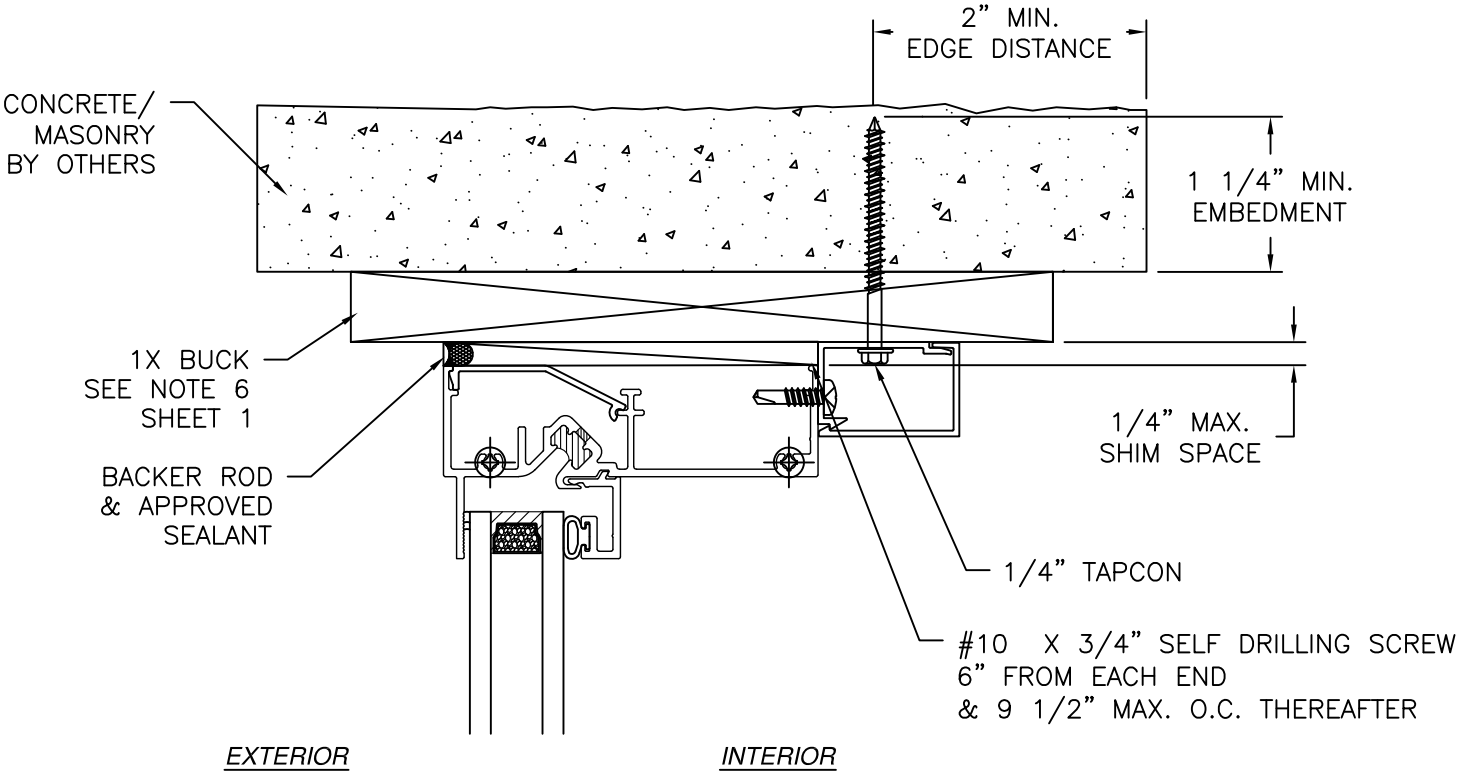
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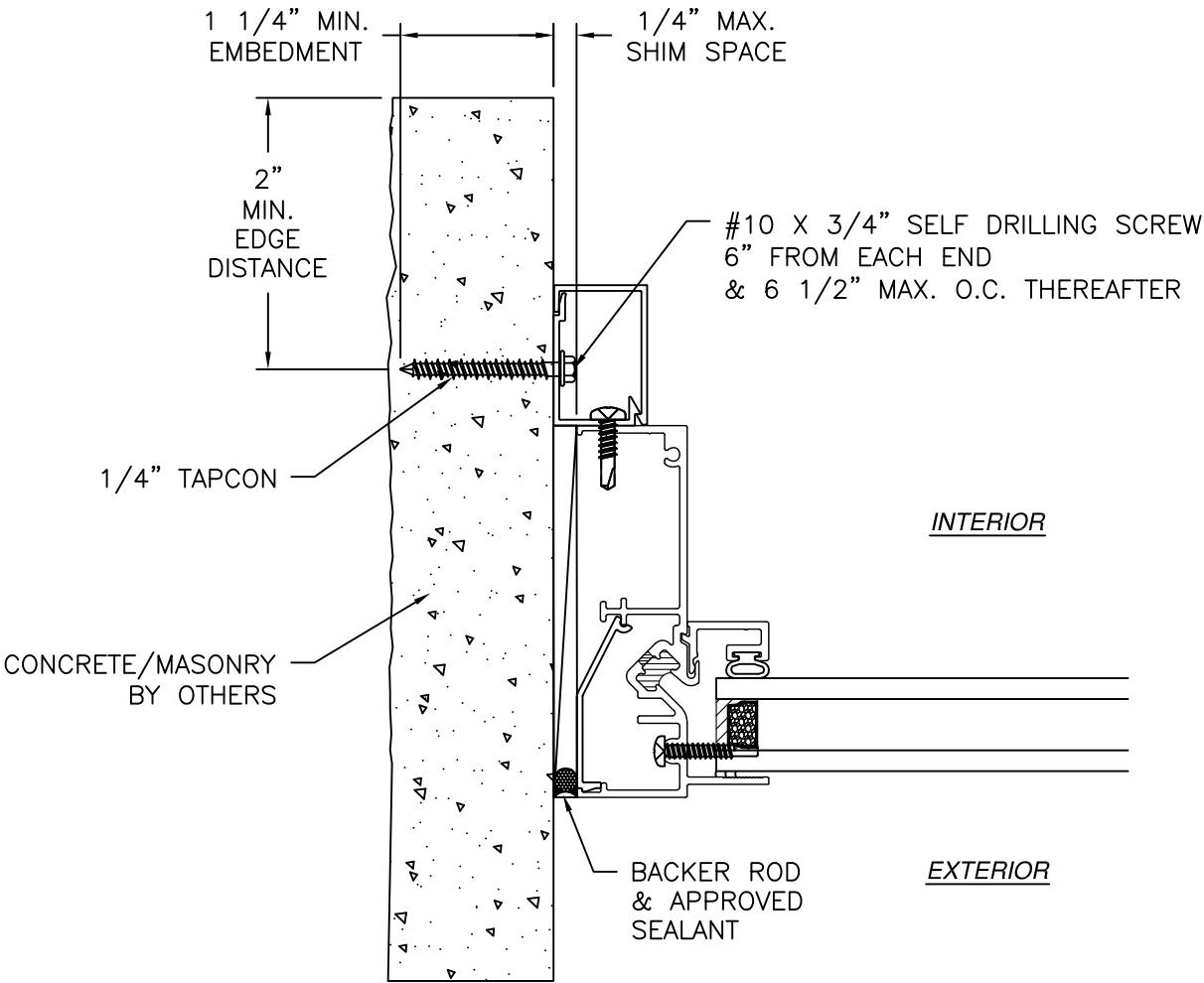
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**VERTICAL CROSS SECTION**  
 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION  
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO  
 JAMB INSTALLATION DETAIL



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

- NOTES:
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BOYD ALUMINUM MANUFACTURING

3248 EAST DIVISION  
SPRINGFIELD, MO 65801

4000 SERIES FIXED WINDOW  
NON-IMPACT  
INSTALLATION DETAILS

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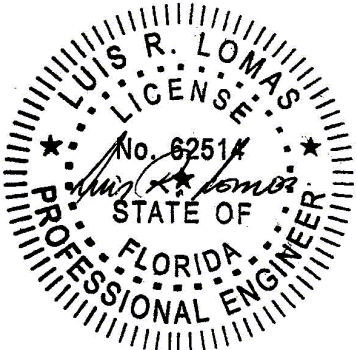
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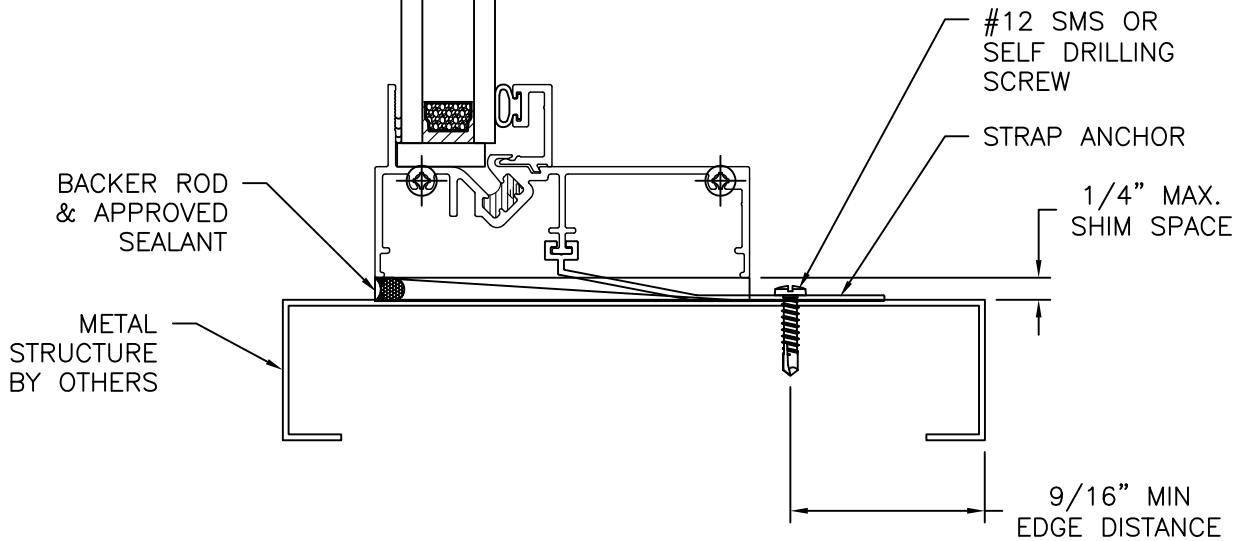
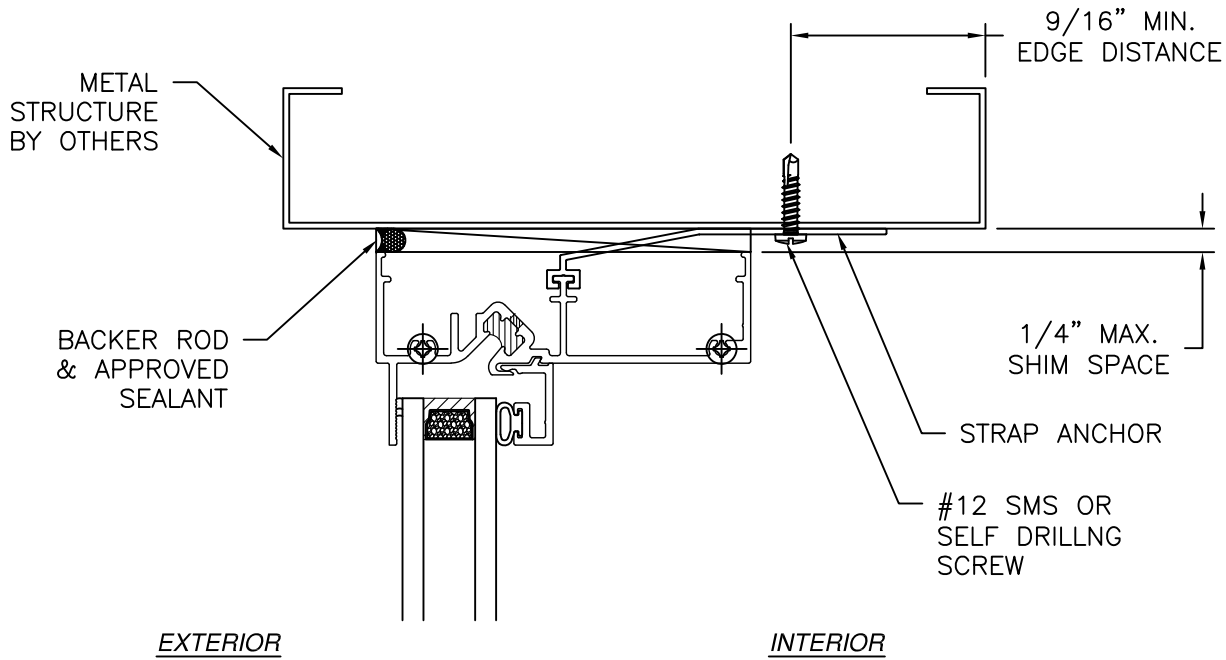
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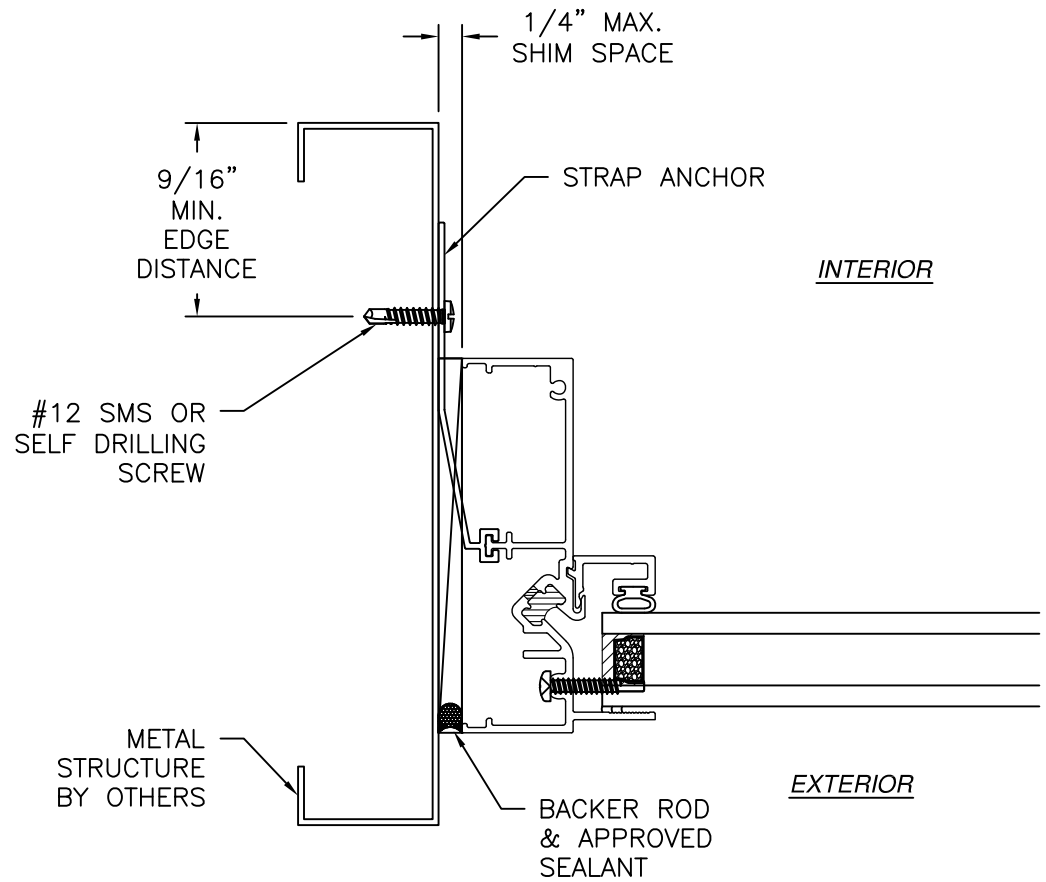
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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION

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BOYD ALUMINUM MANUFACTURING

3248 EAST DIVISION  
SPRINGFIELD, MO 65801

4000 SERIES FIXED WINDOW  
NON-IMPACT  
INSTALLATION DETAILS W/STRAP ANCHOR

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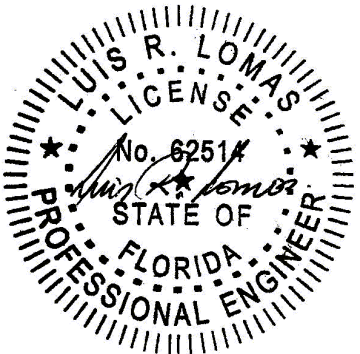
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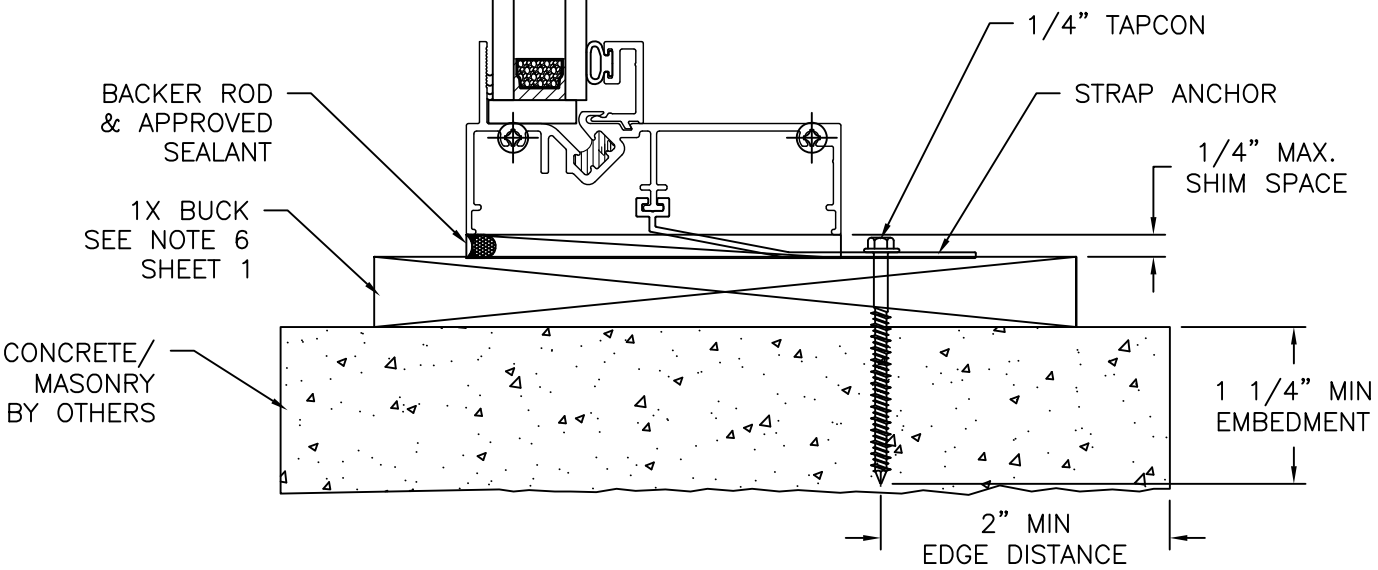
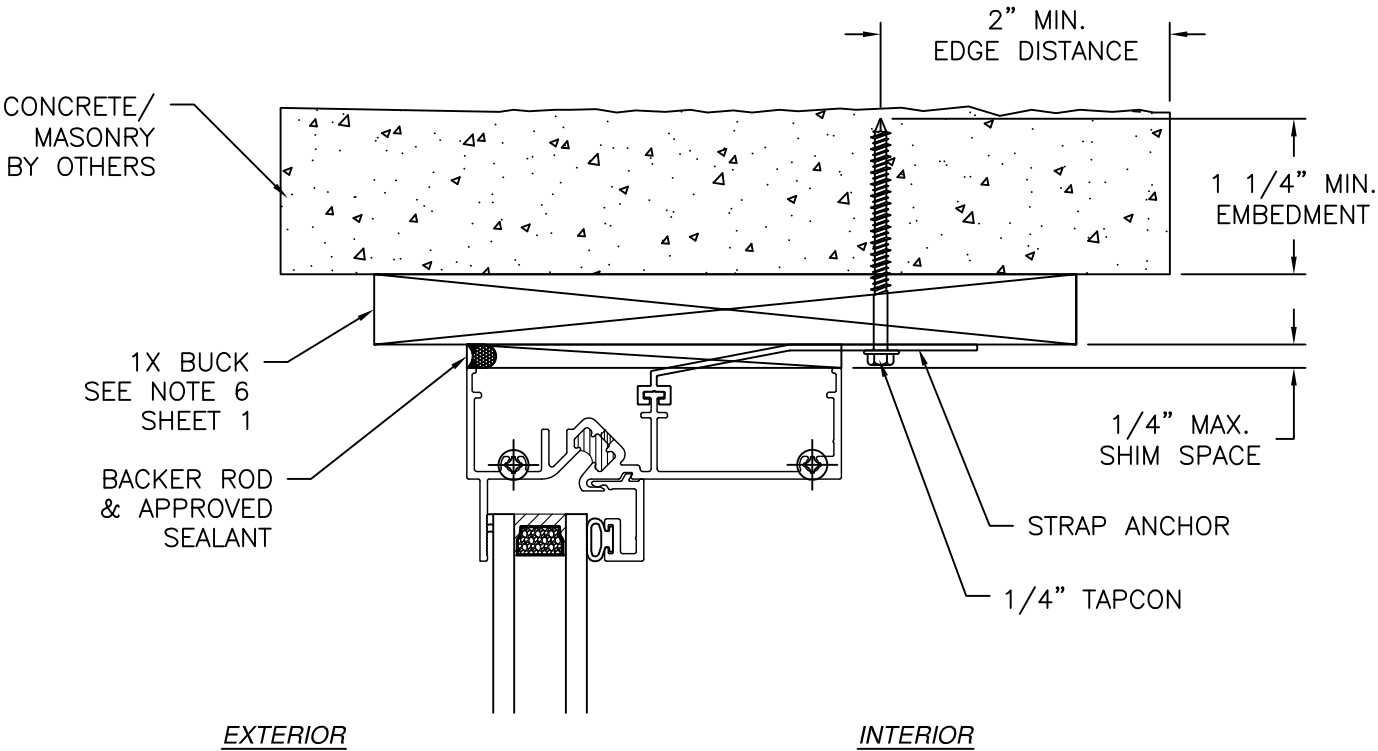
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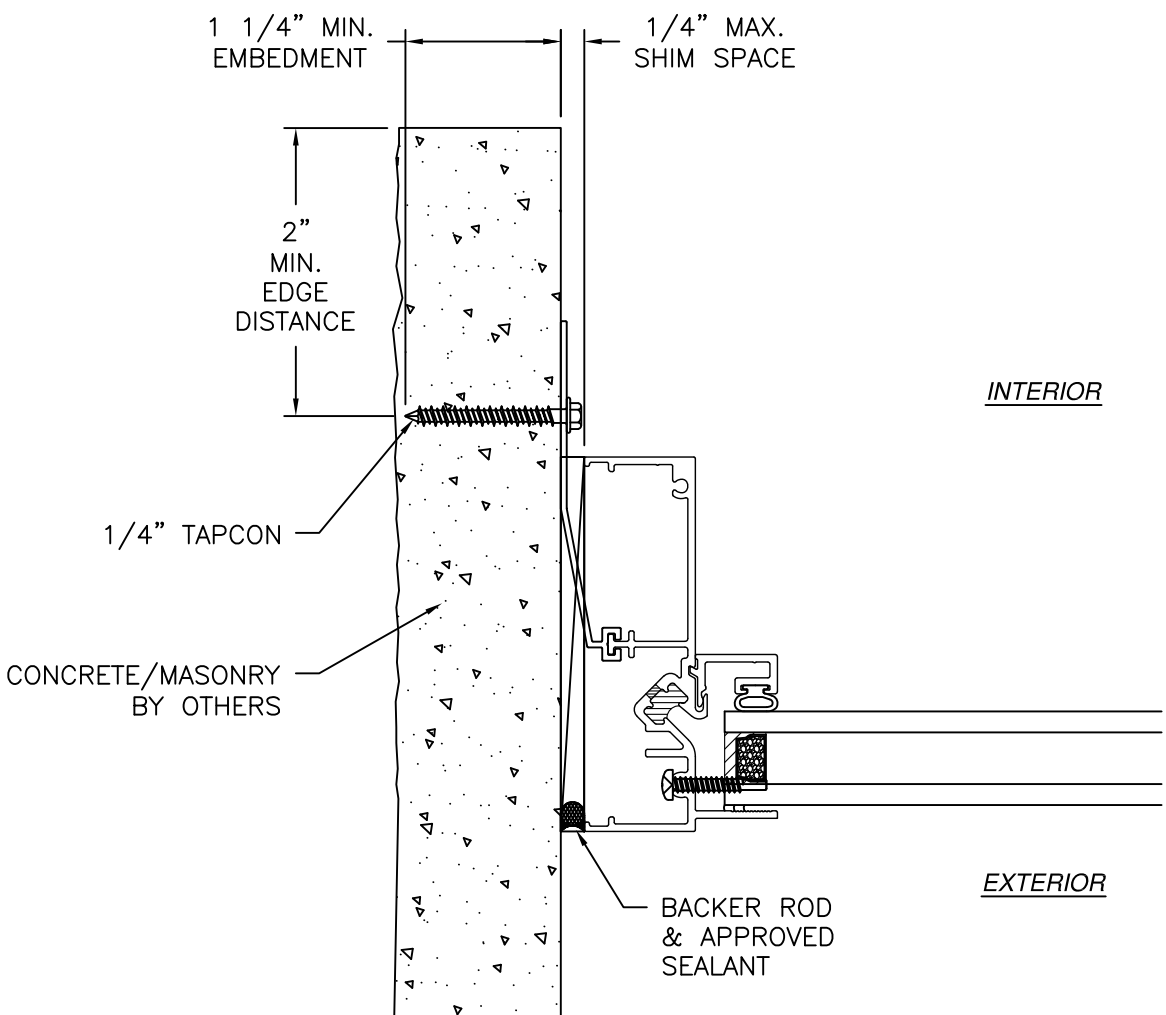


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 CONCRETE/MASONRY WITH 1X BUCK INSTALLATION  
 FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO  
 JAMB INSTALLATION DETAIL



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

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BOYD ALUMINUM MANUFACTURING

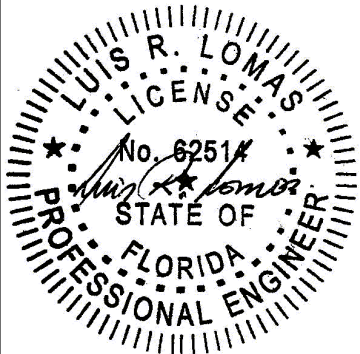
3248 EAST DIVISION  
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4000 SERIES FIXED WINDOW  
NON-IMPACT  
INSTALLATION DETAILS W/STRAP ANCHOR

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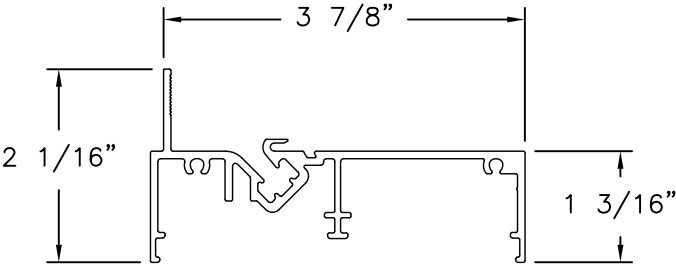
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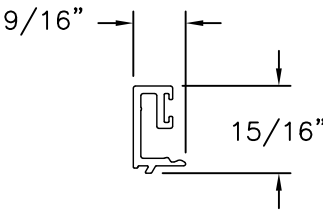


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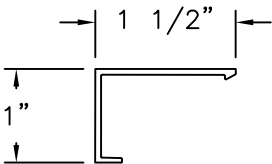
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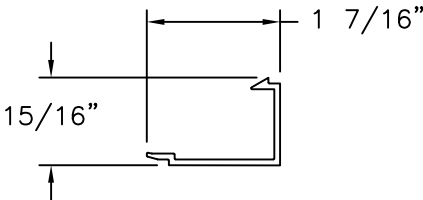
**MAIN FRAME (BAM-1001)**  
ALUMINUM 6063-T6



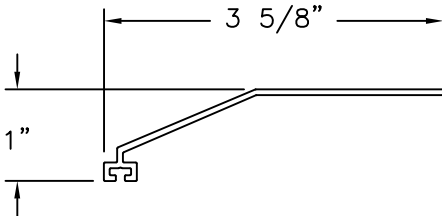
**GLAZING BEAD (BAM-1020)**  
ALUMINUM 6063-T6



**TRIM COVER (WLB-2004)**  
ALUMINUM 6063-T5



**TRIM BASE (WLB-2005)**  
ALUMINUM 6063-T5



**STRAP ANCHOR (BAM-857)**  
ALUMINUM 6063-T5

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|                                                                                                   |                     |              |
|---------------------------------------------------------------------------------------------------|---------------------|--------------|
| BOYD ALUMINUM MANUFACTURING<br>3248 EAST DIVISION<br>SPRINGFIELD, MO 65801                        |                     |              |
| 4000 SERIES FIXED WINDOW<br>NON-IMPACT<br>COMPONENTS                                              |                     |              |
| DRAWN:<br>A.R.                                                                                    | DWG NO.<br>08-03606 | REV<br>A     |
| SCALE NTS                                                                                         | DATE 08/25/2020     | SHEET 9 OF 9 |
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