

| REVISIONS |                        |            |          |
|-----------|------------------------|------------|----------|
| REV       | DESCRIPTION            | DATE       | APPROVED |
| A         | ADDED MONOLITHIC GLASS | 01/22/2020 | R.L.     |

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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” 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. 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 UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION 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 E1300–04/09, SEE SHEET 2 FOR GLASS DETAILS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING STEEL STRAP OR ALUMINUM ANGLE INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 1 1/4” MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING STEEL STRAP OR ALUMINUM ANGLE INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING STEEL STRAP OR ALUMINUM ANGLE 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. 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:

A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

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

C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI .125” THICK MINIMUM

SIGNED: 01/28/2020

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| 11                | COMPONENTS                    |

REVIVAL SASH  
78 DIAMOND ROAD  
SPRINGFIELD, NJ 07081

6200 WOOD DOUBLE HUNG WINDOW  
IMPACT HVHZ  
NOTES

DRAWN:  
A.R.

DWG NO.  
08–03506

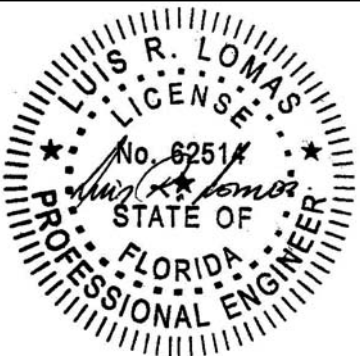
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A

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DATE 10/16/19

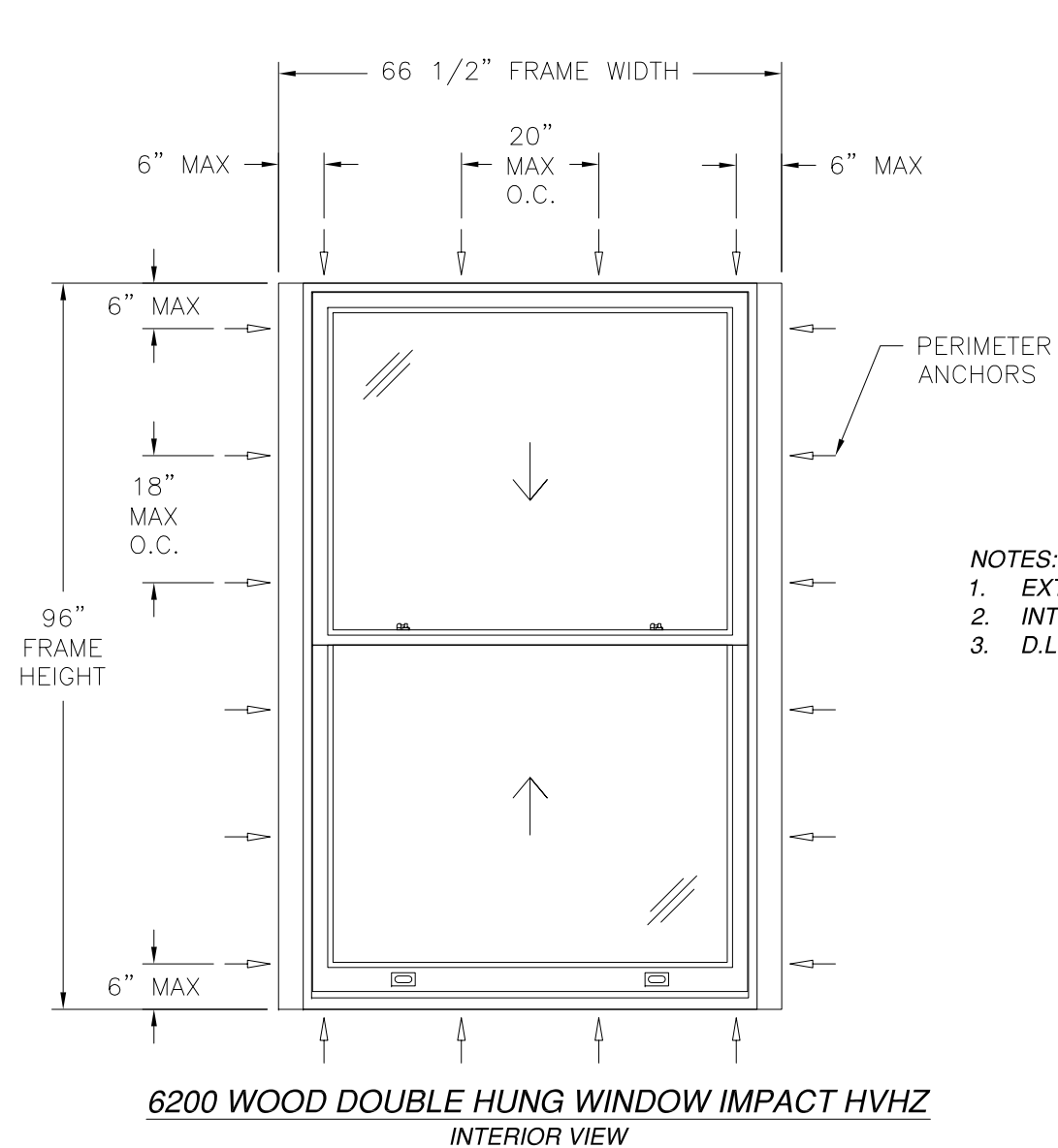
SHEET 1 OF 11

L. ROBERTO LOMAS P.E.  
1432 WOODFORD RD LEWISVILLE, NC 27023  
434-688-0609 rllomas@lrlomaspe.com



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

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| A         | ADDED MONOLITHIC GLASS | 01/22/2020 | R.L.     |



- NOTES:
1. EXTERIOR SASH: 57 1/2" X 46 5/8"
  2. INTERIOR SASH: 57 1/2" X 47 1/2"
  3. D.L.O.: 52" X 41 1/2"

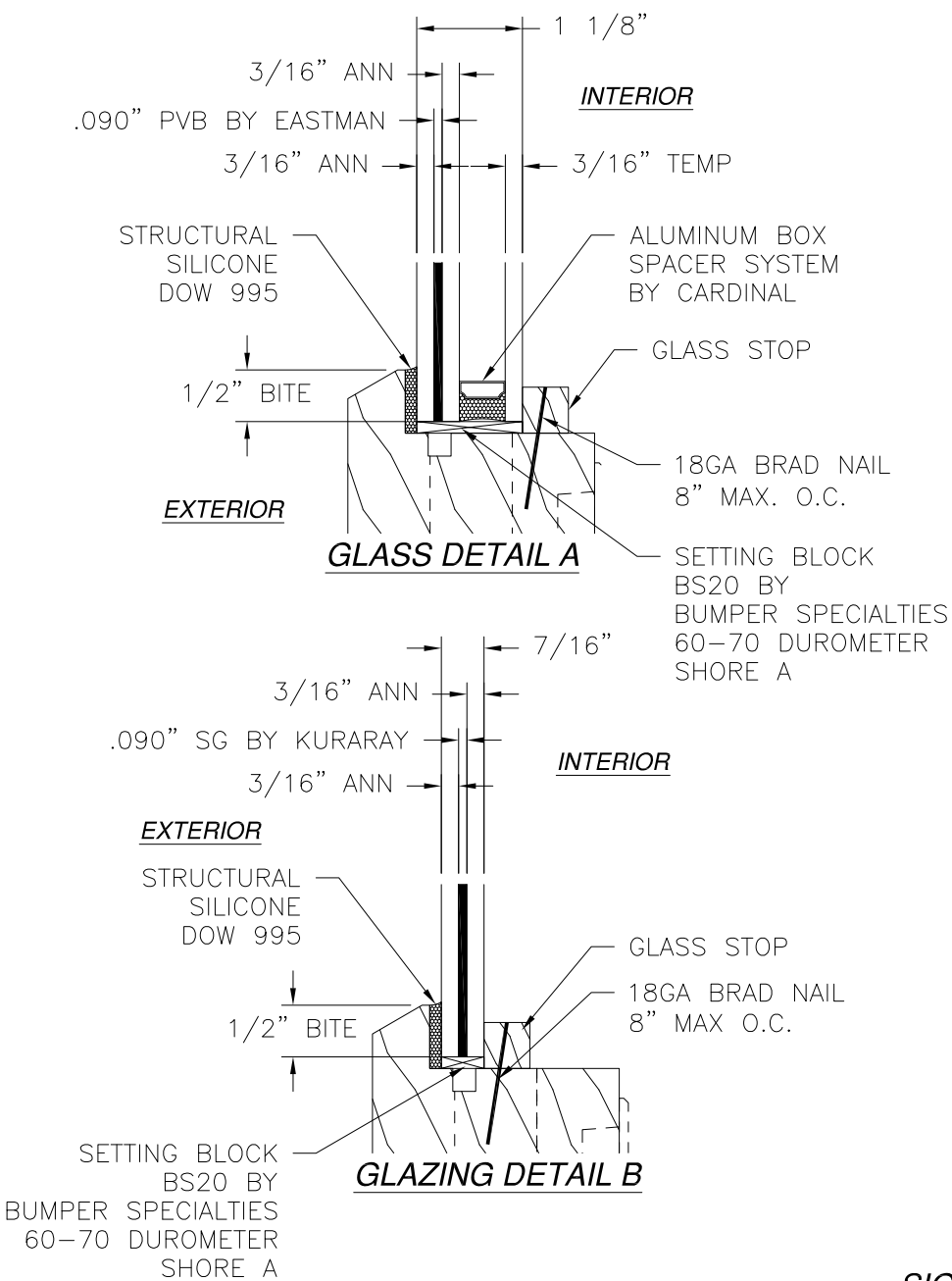
6200 WOOD DOUBLE HUNG WINDOW IMPACT HVHZ  
INTERIOR VIEW

| DESIGN PRESSURE RATING | IMPACT RATING                  |
|------------------------|--------------------------------|
| ±75.0PSF               | LARGE AND SMALL MISSILE IMPACT |

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ  
66 1/2" X 96" UNIT SHOWN. OTHER SIZES ARE APPROVED AS LONG AS FRAME  
AREA DOES NOT EXCEED 44.33 FT<sup>2</sup>

**HARDWARE SCHEDULE**

|    |                                                                                     |
|----|-------------------------------------------------------------------------------------|
| A. | (2 PER SASH) WEIGHT AND CHAIN BALANCE SYSTEM, ONE AT EACH JAMB                      |
| B. | (2) BRASS SWEEP LOCKS AT INTERIOR MEETING RAIL, 13" FROM EACH END                   |
| C. | 1/4" X 1 1/4" STEEL PLATE REINFORCEMENT AT INTERIOR AND EXTERIOR SASH MEETING RAILS |



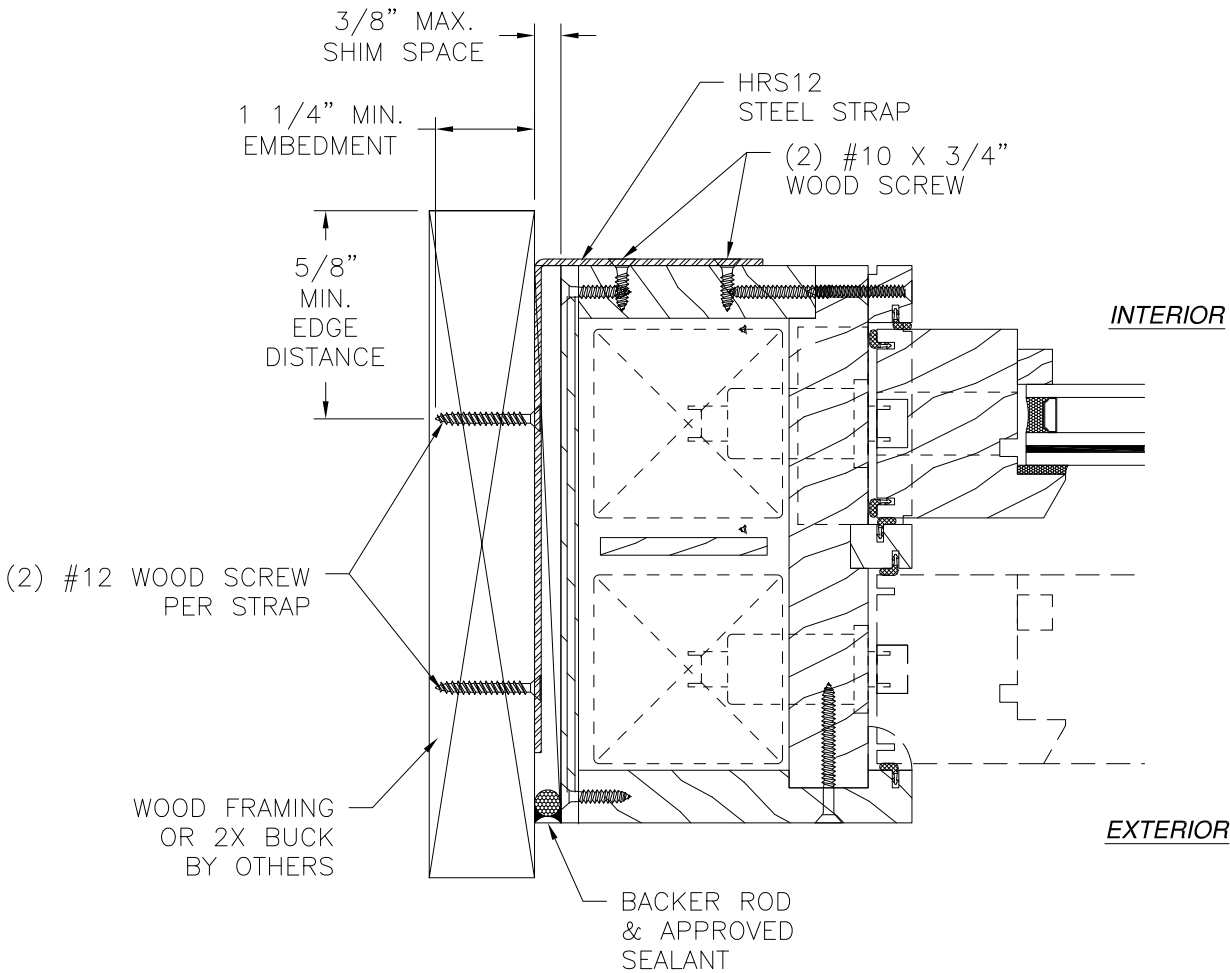
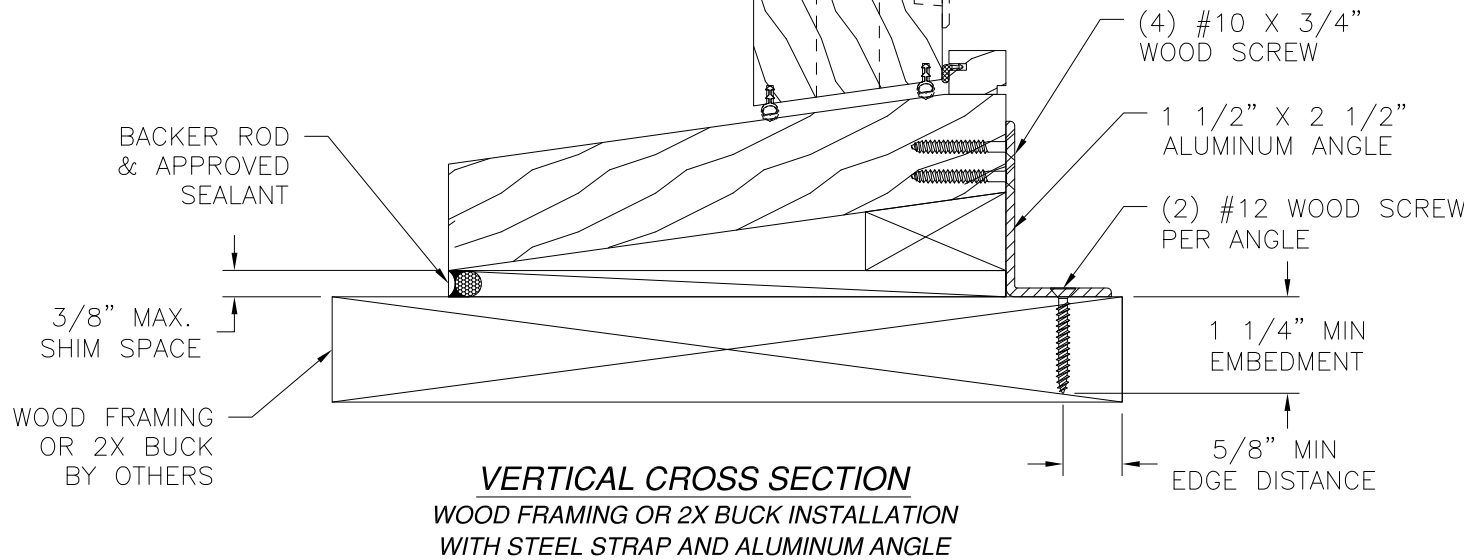
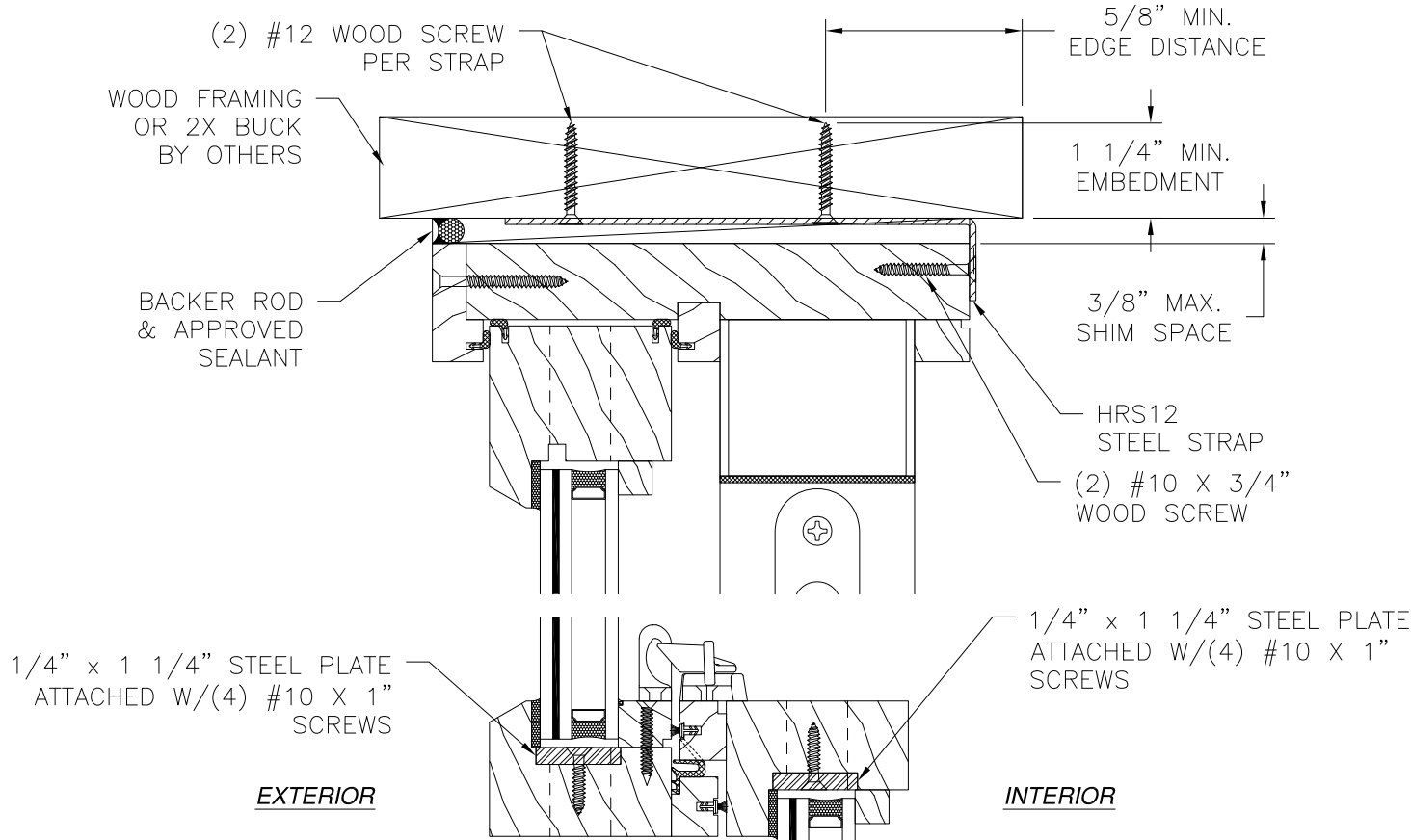
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| 6200 WOOD DOUBLE HUNG WINDOW<br>IMPACT HVHZ<br>ELEVATION AND GLAZING DETAILS                         |                     |                  |
| DRAWN:<br>A.R.                                                                                       | DWG NO.<br>08-03506 | REV<br>A         |
| SCALE<br>NTS                                                                                         | DATE<br>10/16/19    | SHEET<br>2 OF 11 |
| L. ROBERTO LOMAS P.E.<br>1432 WOODFORD RD LEWISVILLE, NC 27023<br>434-688-0609 rllomas@lrlomaspe.com |                     |                  |



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**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION  
WITH STEEL STRAP

- 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: 01/28/2020

REVIVAL SASH

78 DIAMOND ROAD  
SPRINGFIELD, NJ 07081

6200 WOOD DOUBLE HUNG WINDOW  
IMPACT HVHZ  
INSTALLATION DETAILS

DRAWN: A.R.

DWG NO. 08-03506

REV A

SCALE NTS

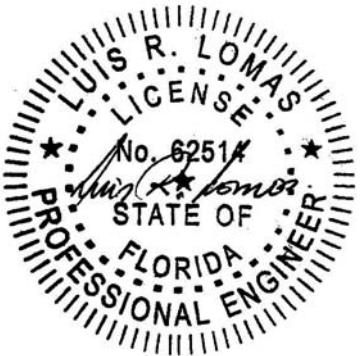
DATE 10/16/19

SHEET 3 OF 11

L. ROBERTO LOMAS P.E.

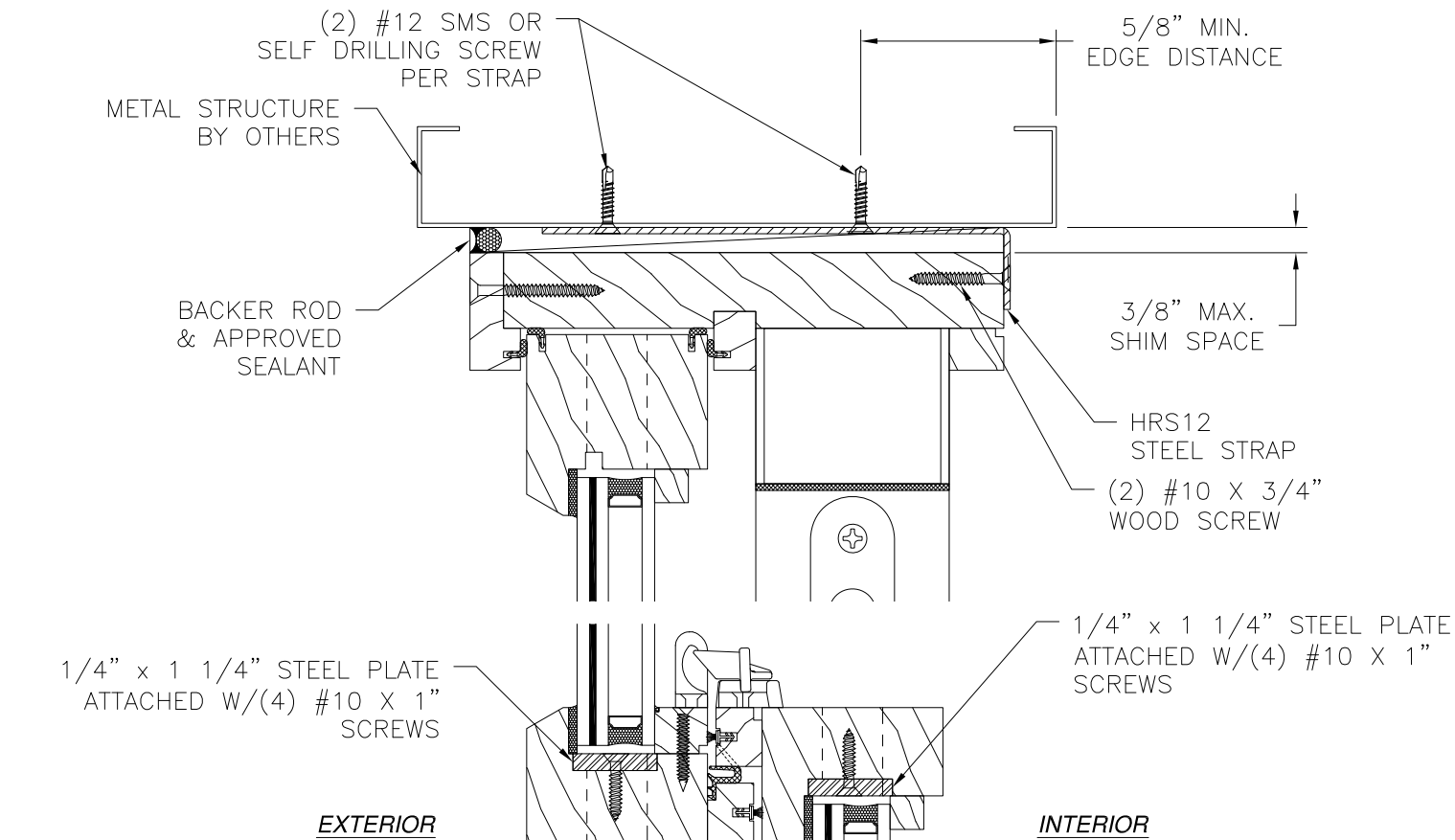
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

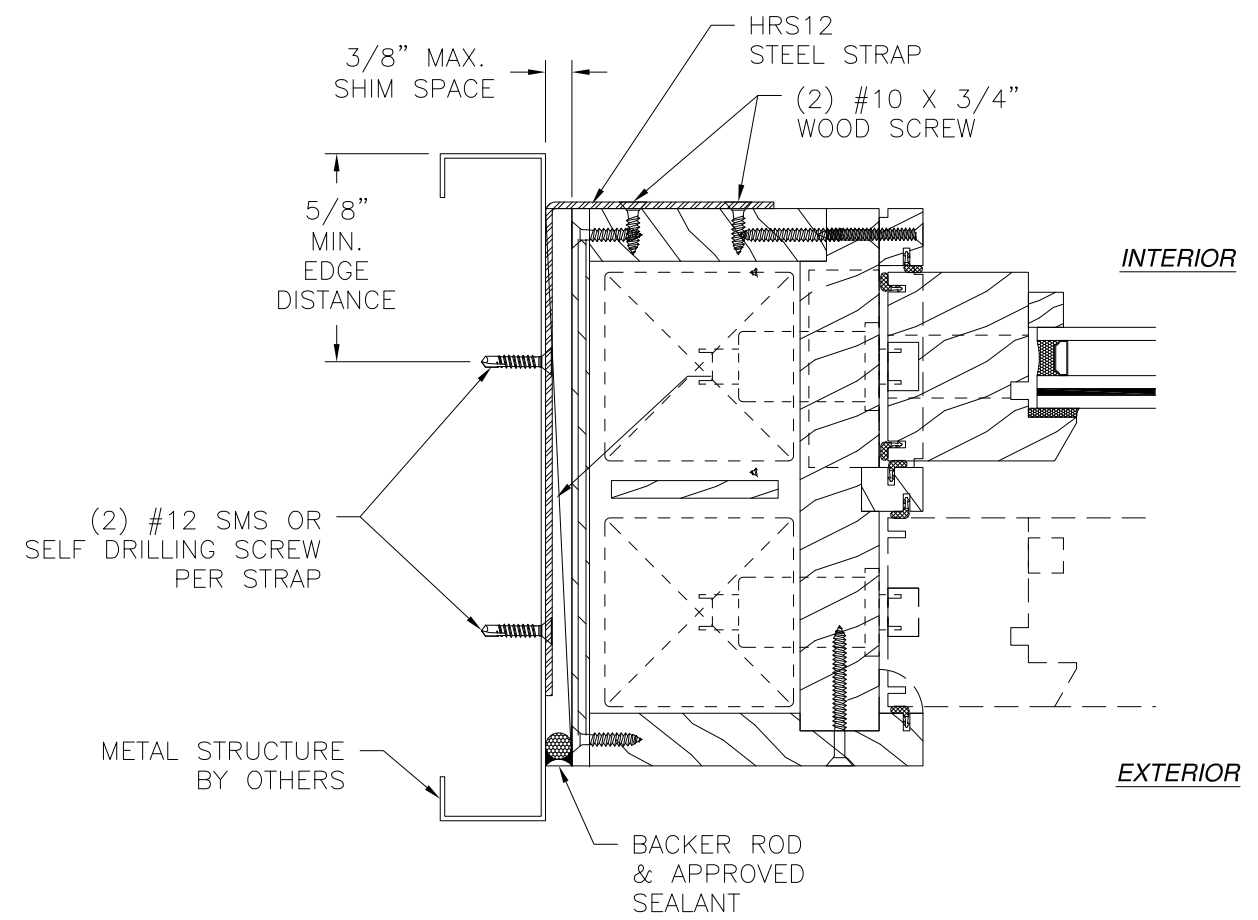


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION  
WITH STEEL STRAP AND ALUMINUM ANGLE

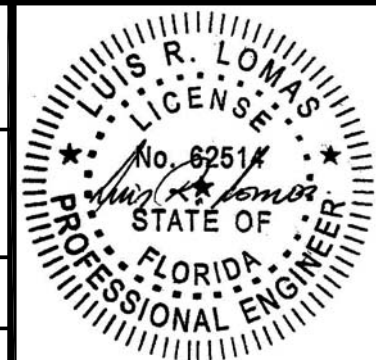


**JAMB INSTALLATION DETAIL**  
METAL STRUCTURE INSTALLATION  
WITH STEEL STRAP

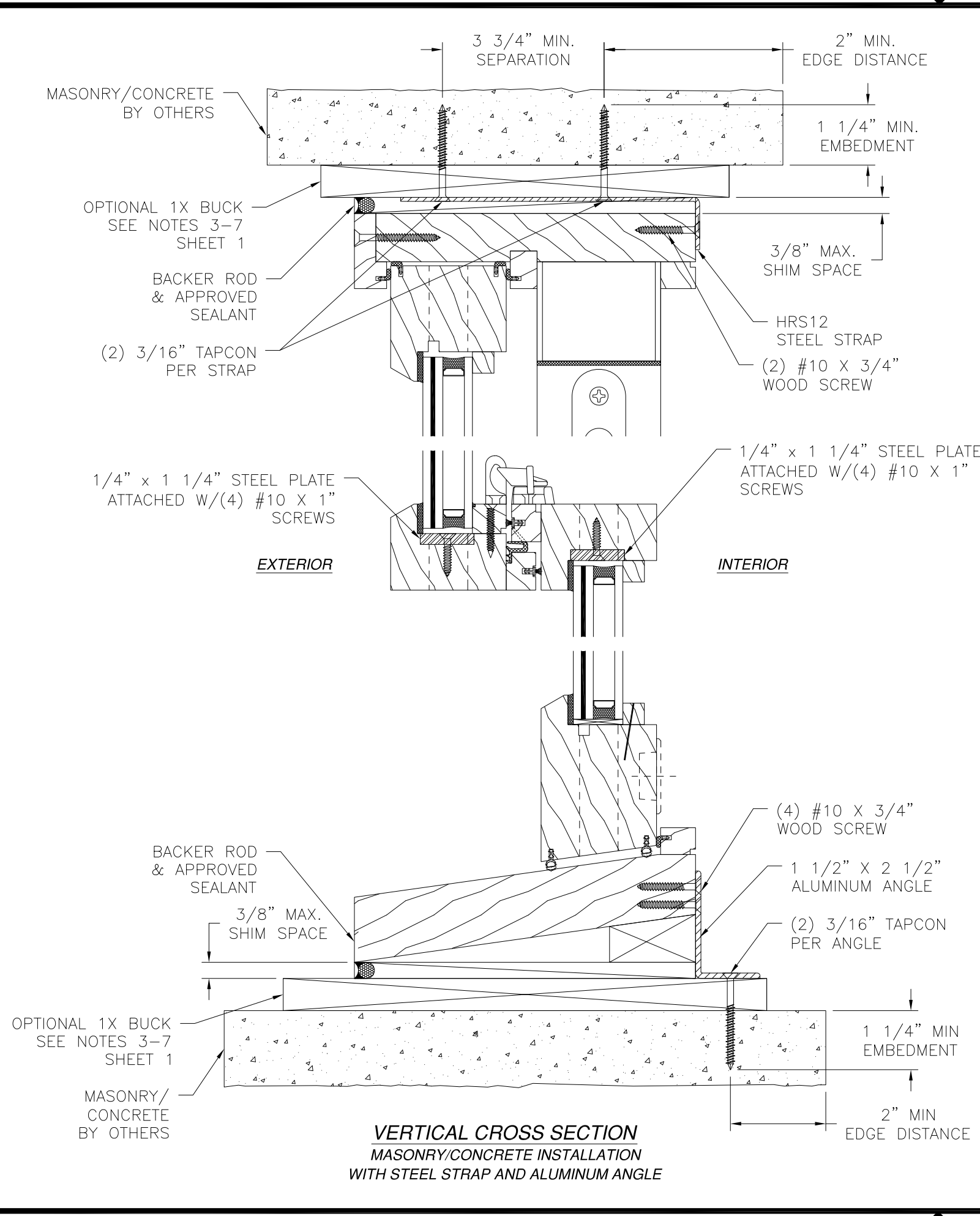
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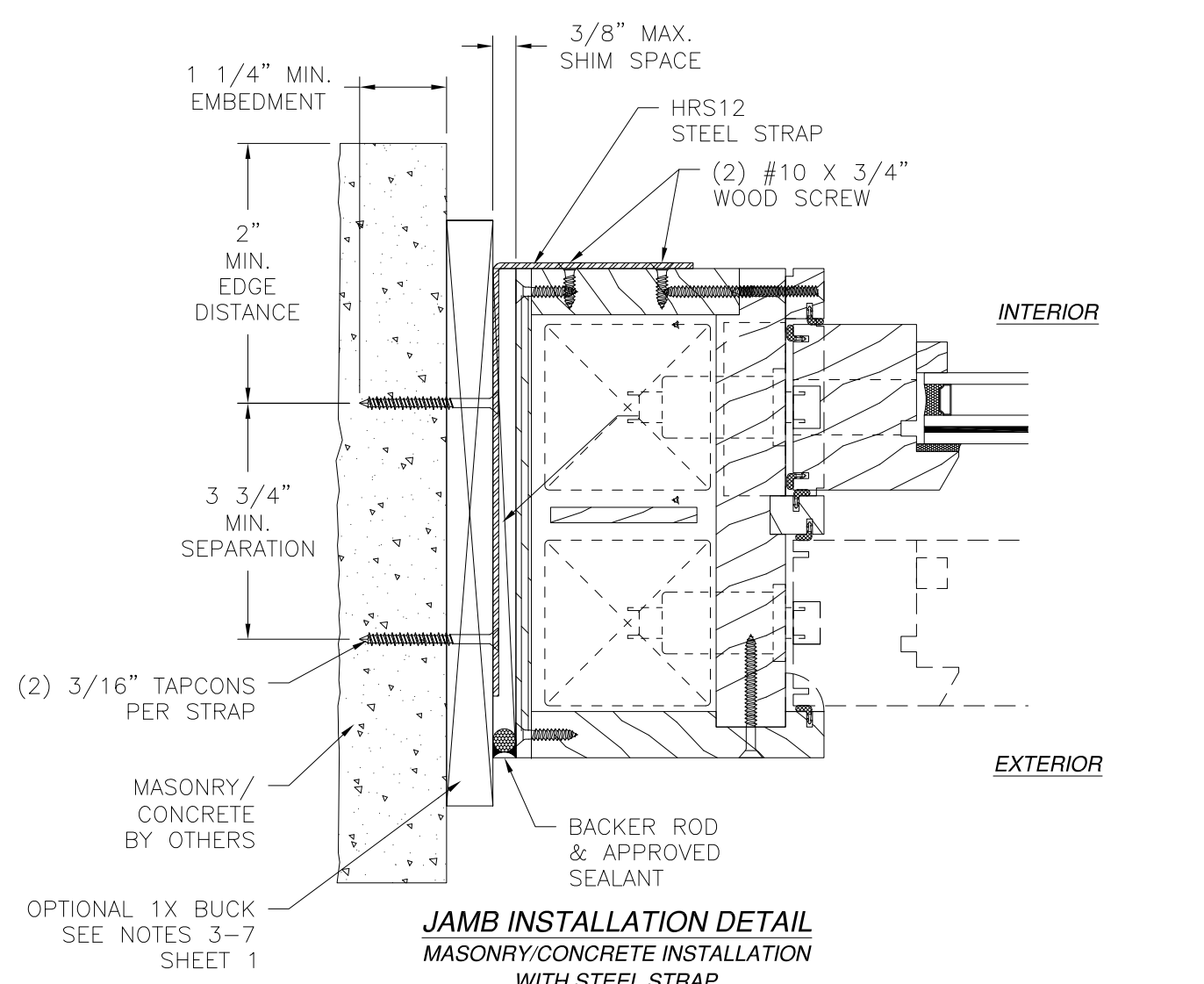
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| 6200 WOOD DOUBLE HUNG WINDOW<br>IMPACT HVHZ<br>INSTALLATION DETAILS                                  |                     |                  |
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| SCALE<br>NTS                                                                                         | DATE<br>10/16/19    | SHEET<br>4 OF 11 |
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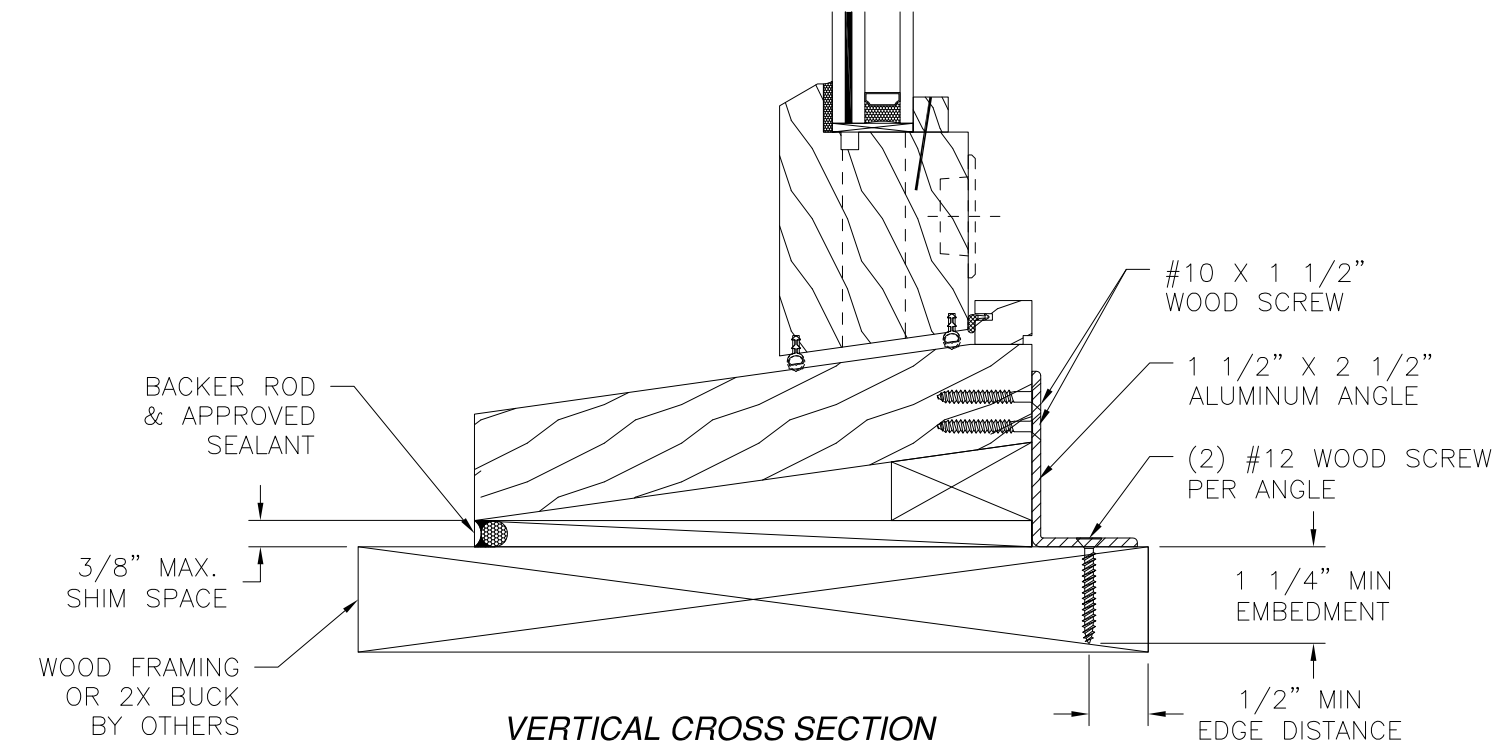
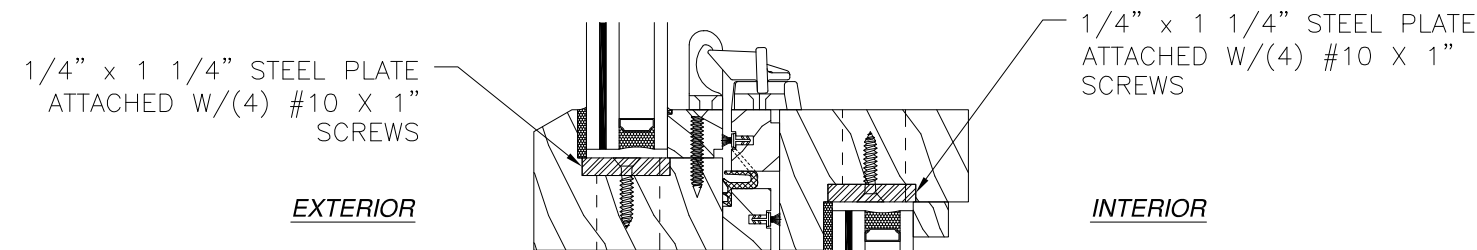
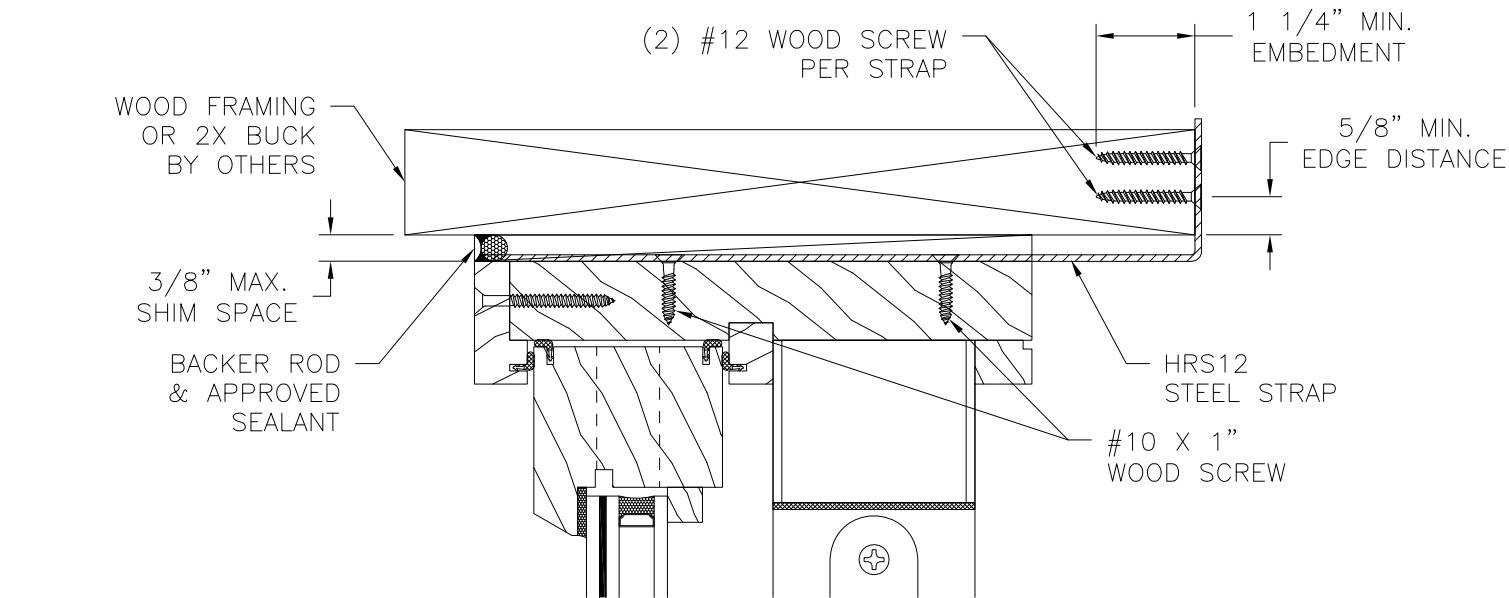
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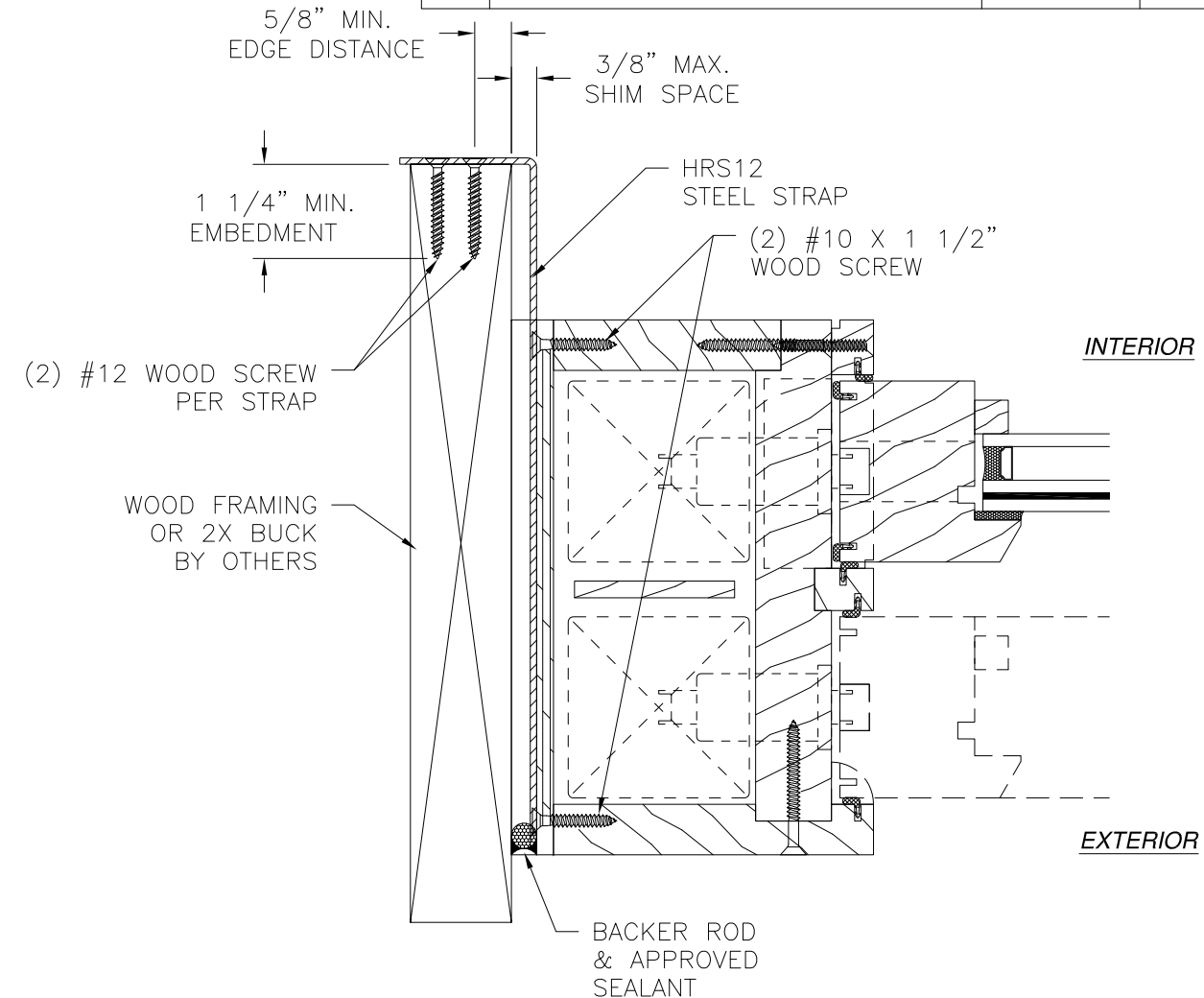
Professional Engineer Seal for Luis R. Lomas, No. 62514, State of Florida.

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**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION  
WITH STEEL STRAP AND ALUMINUM ANGLE

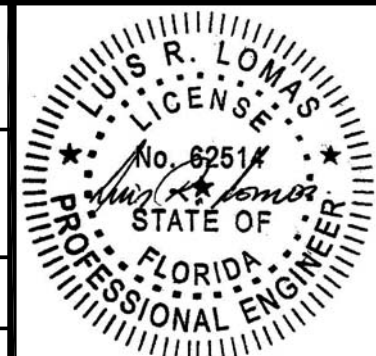


**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION  
WITH STEEL STRAP

- NOTES:**
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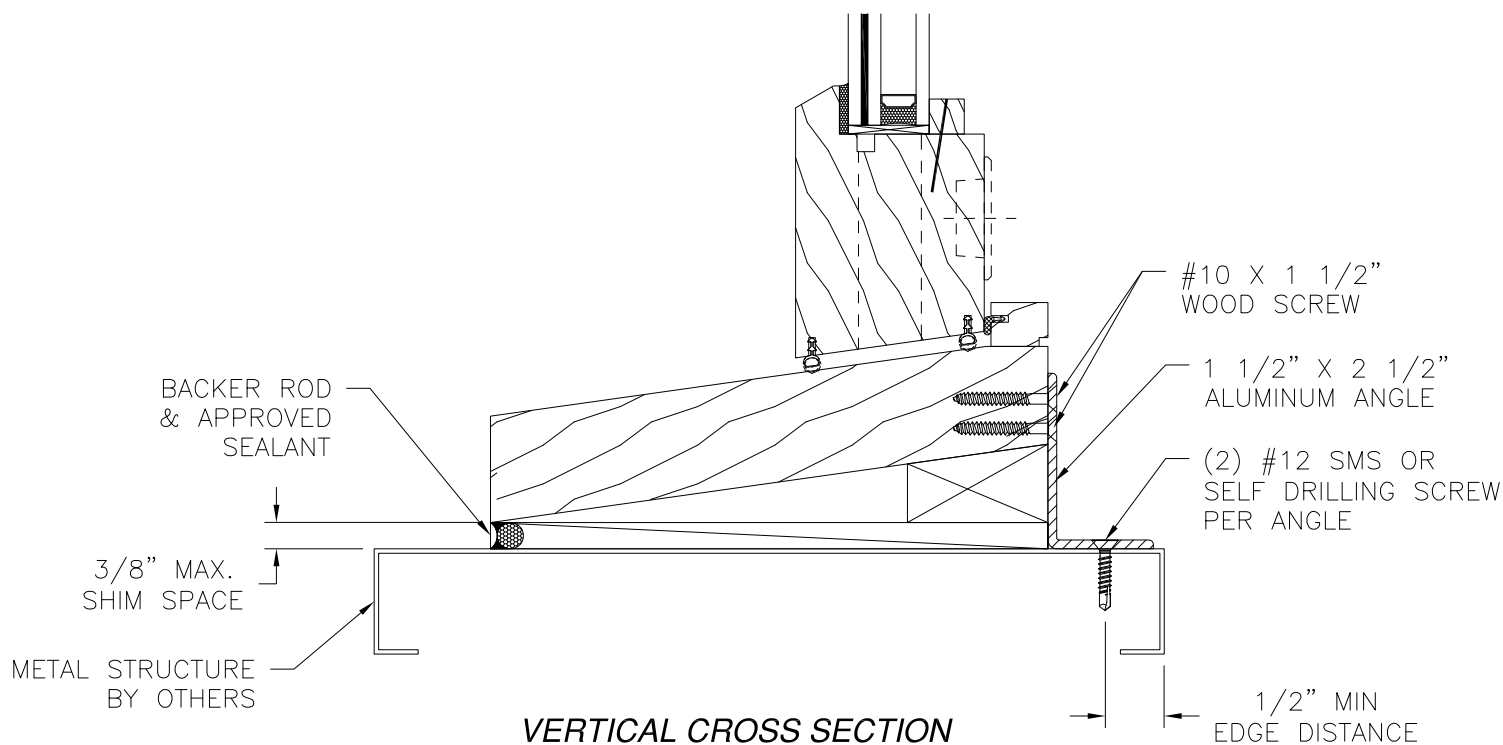
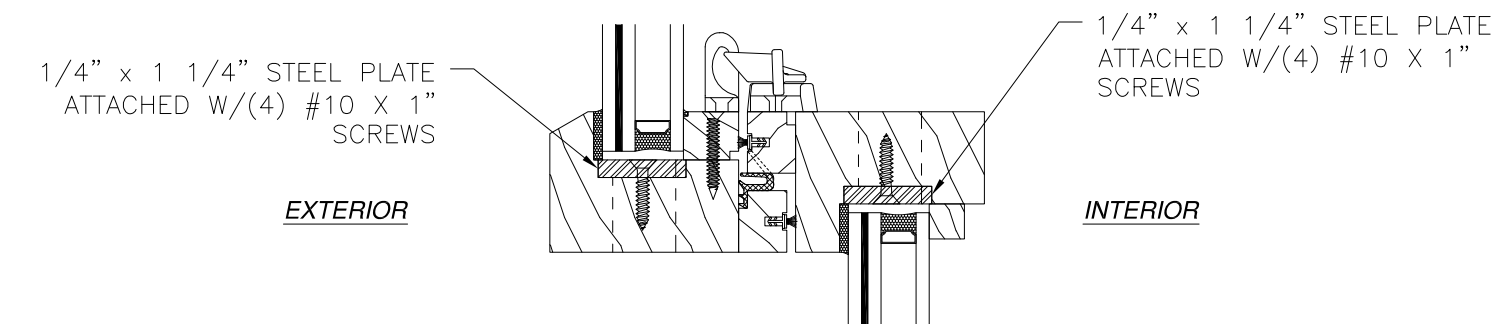
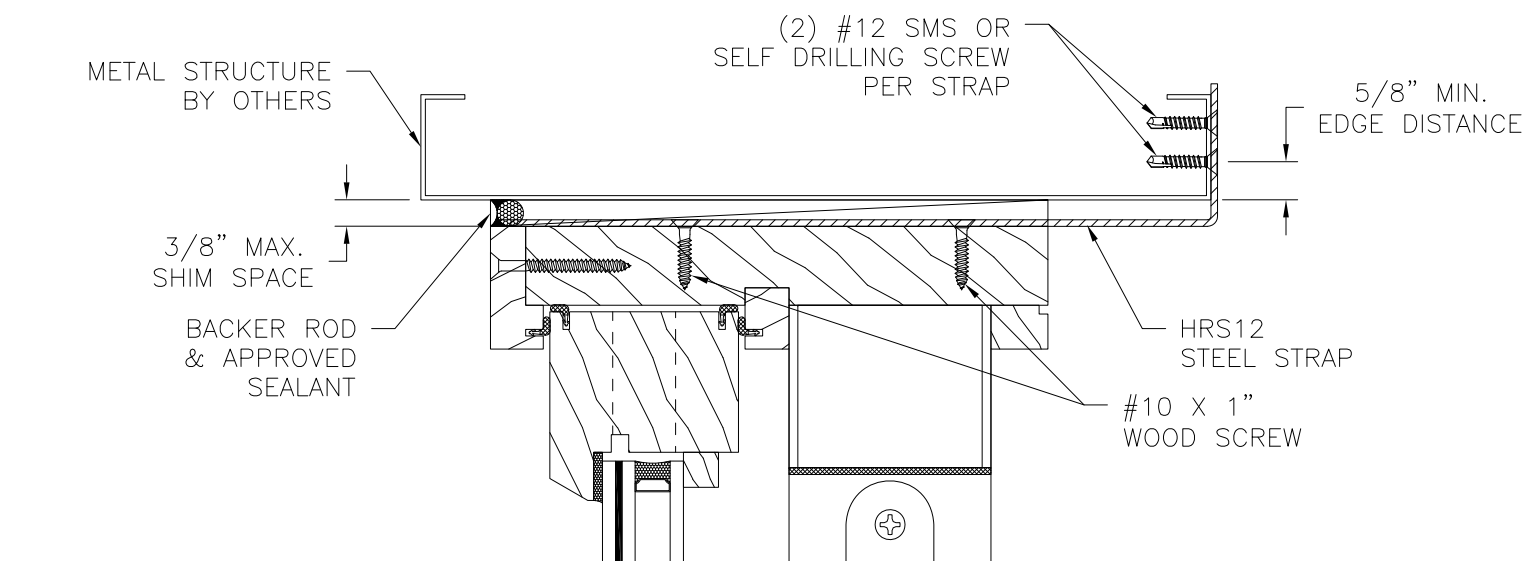
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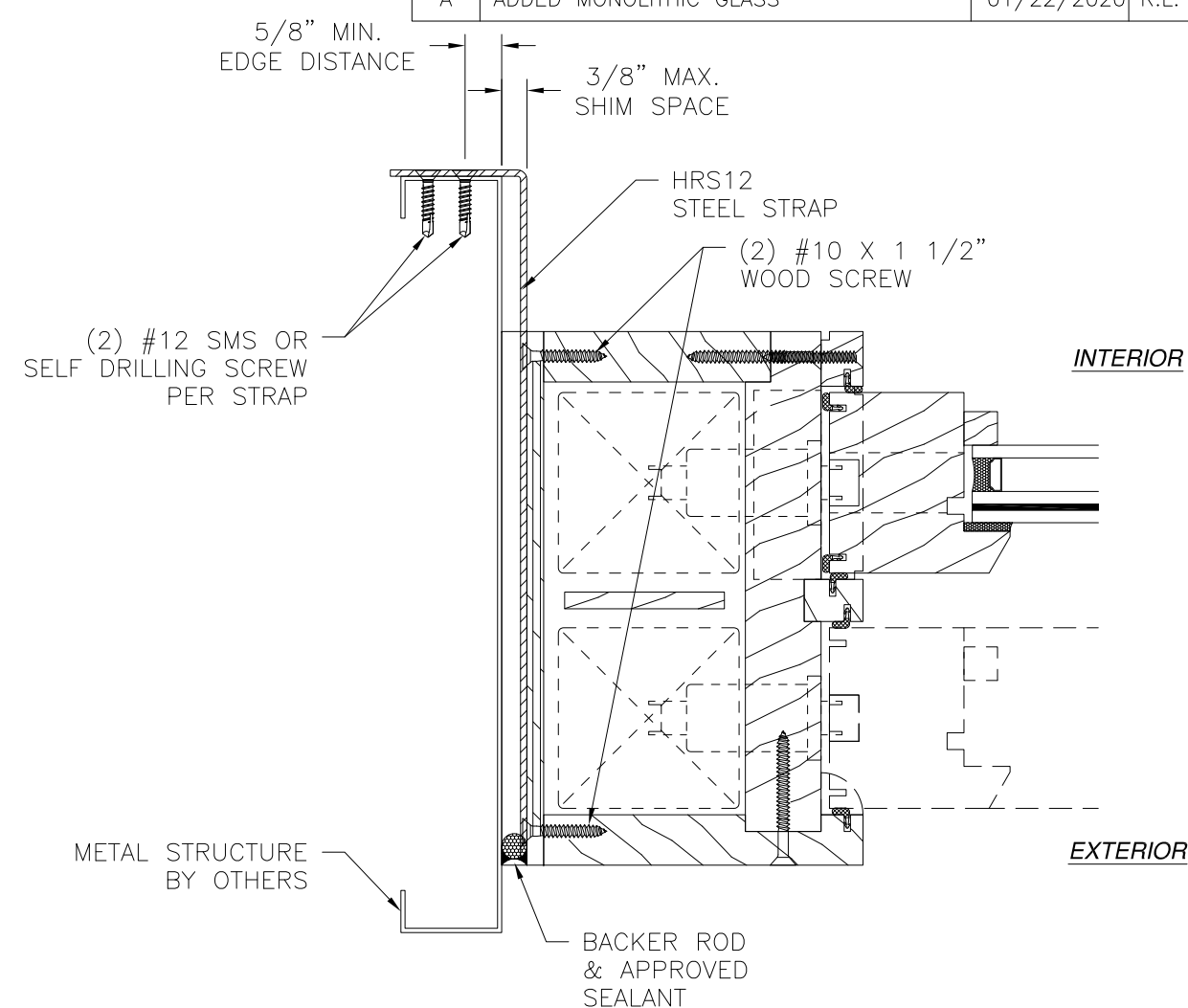


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**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION  
WITH STEEL STRAP AND ALUMINUM ANGLE

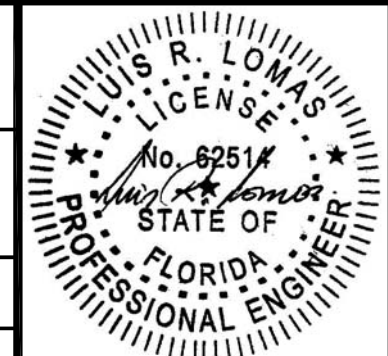


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METAL STRUCTURE INSTALLATION  
WITH STEEL STRAP

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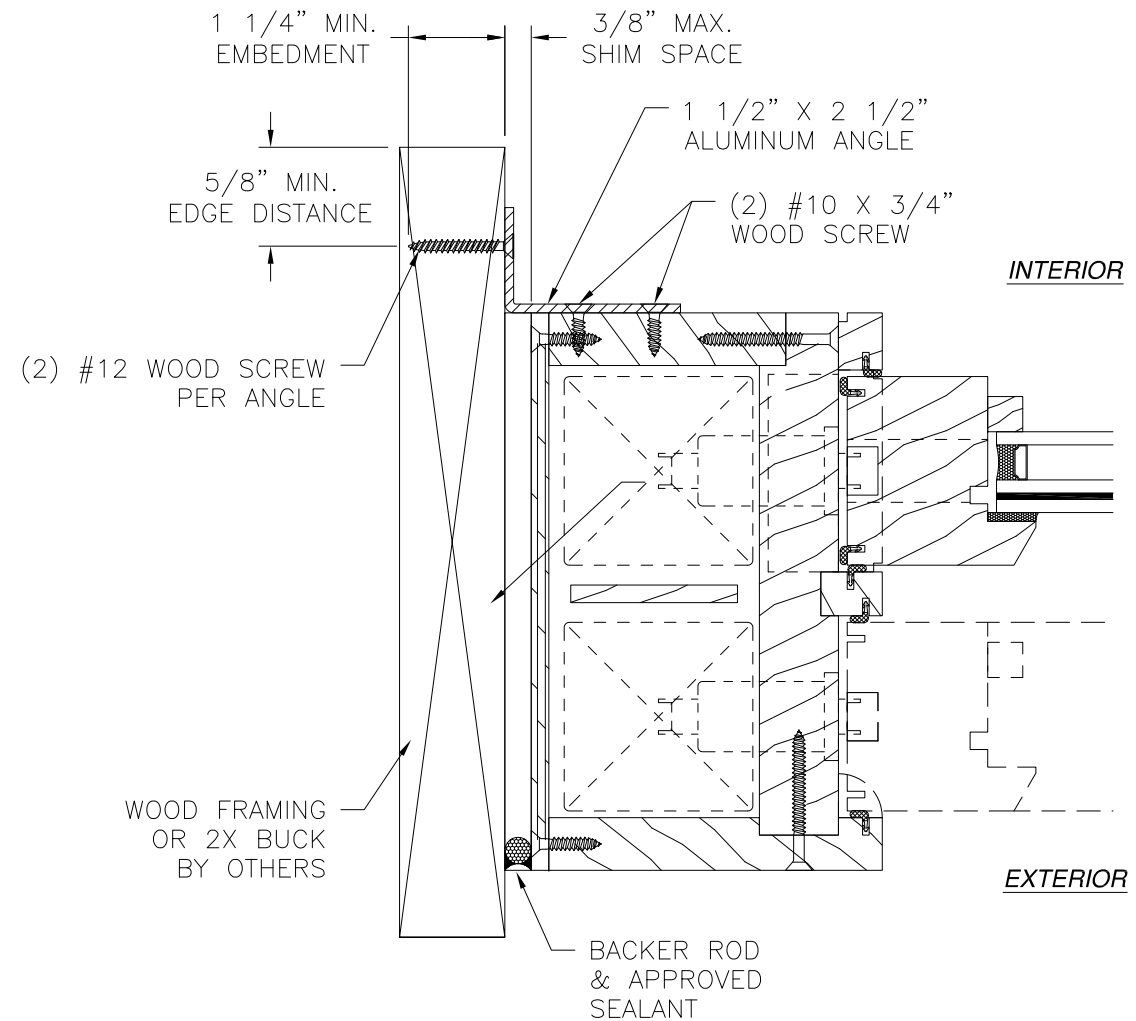
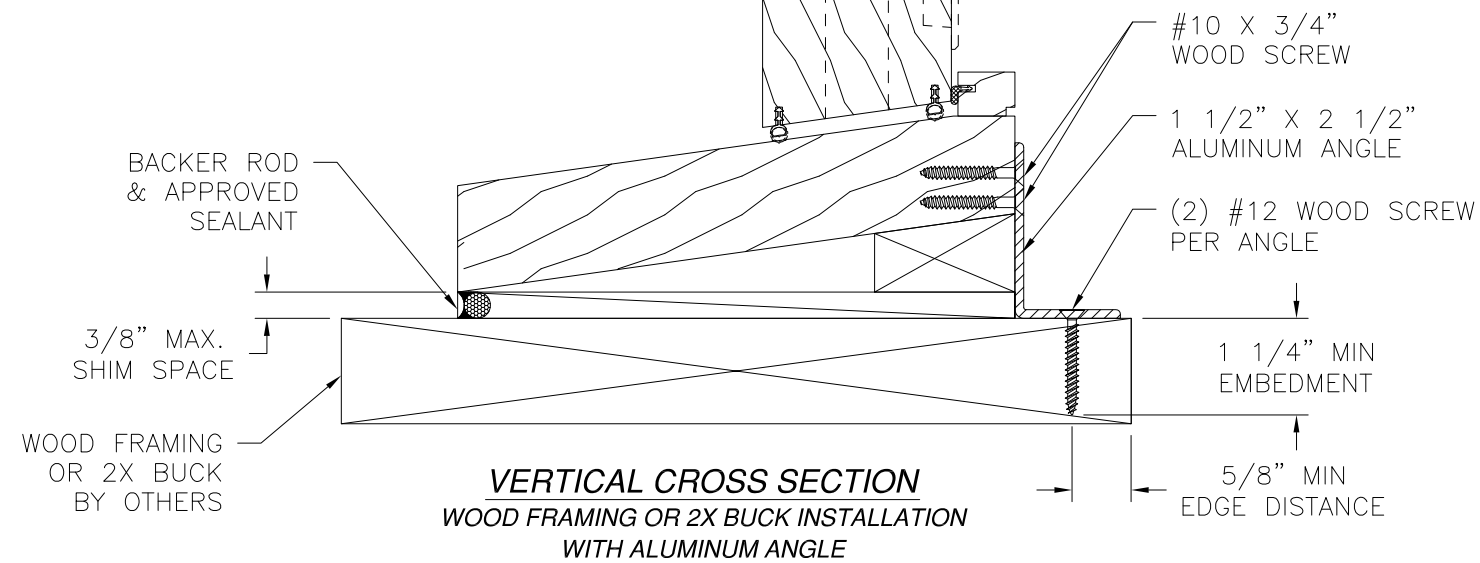
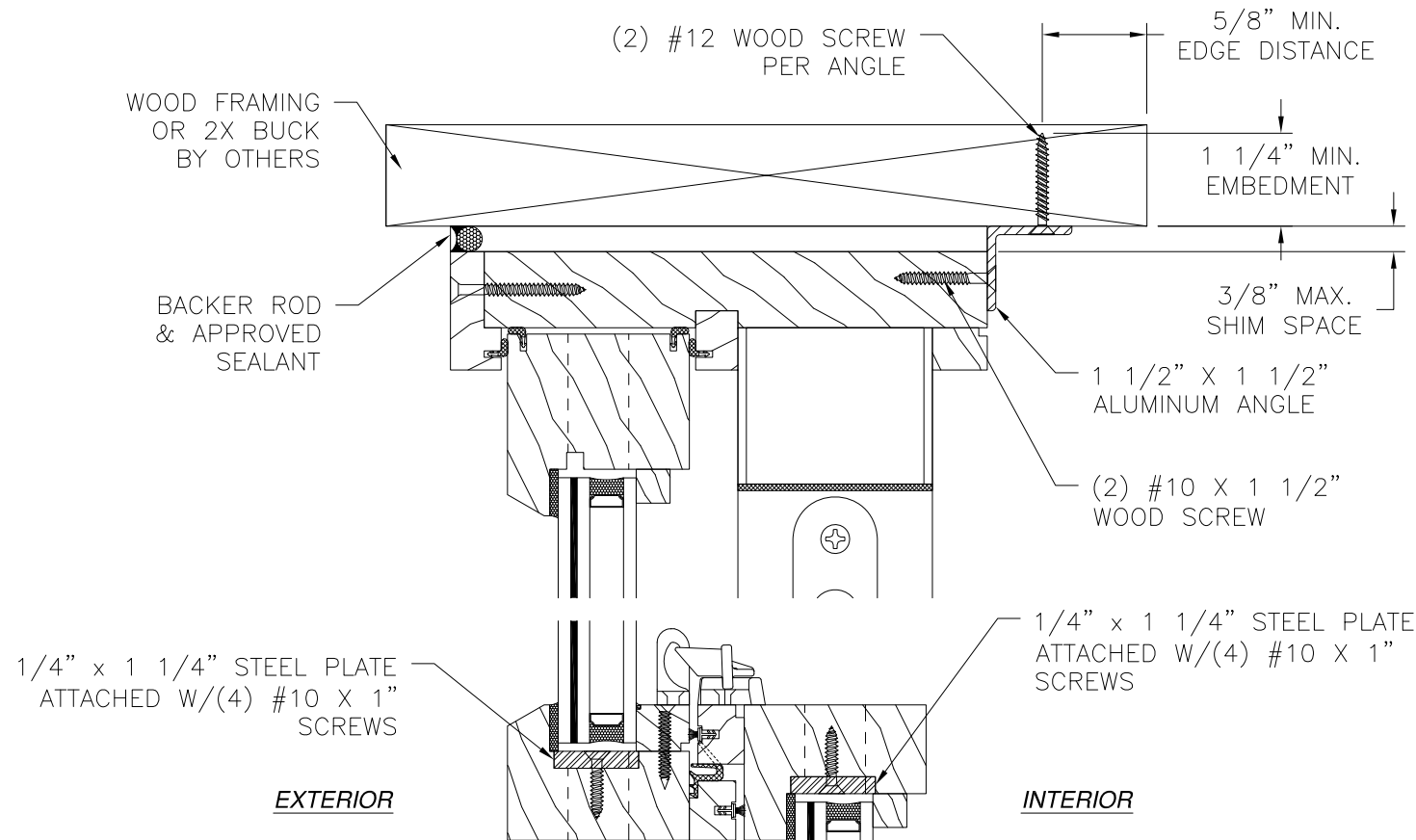
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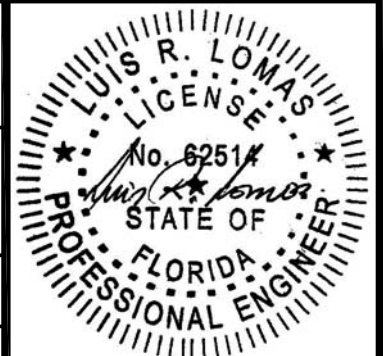


**JAMB INSTALLATION DETAIL**  
WOOD FRAMING OR 2X BUCK INSTALLATION WITH ALUMINUM ANGLE

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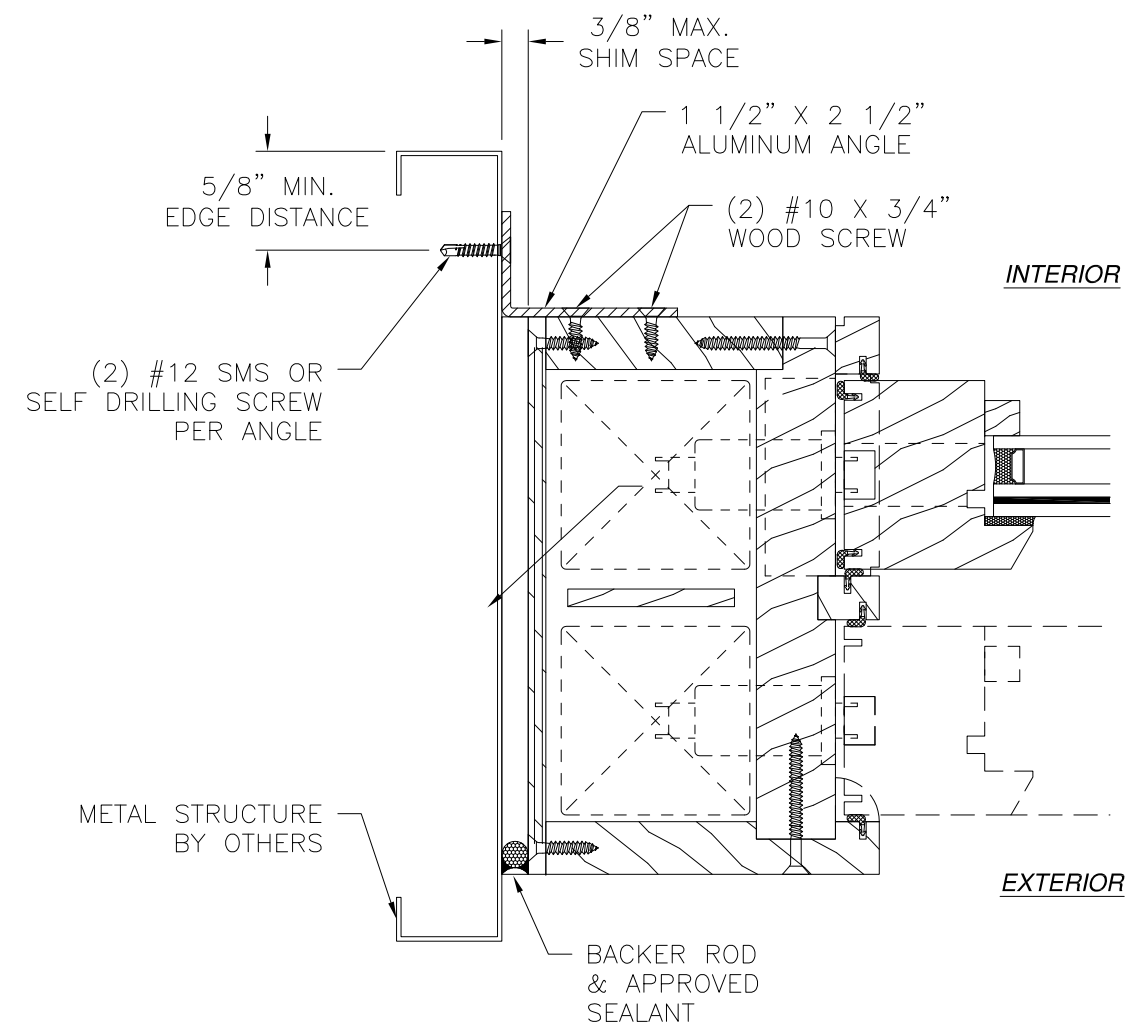
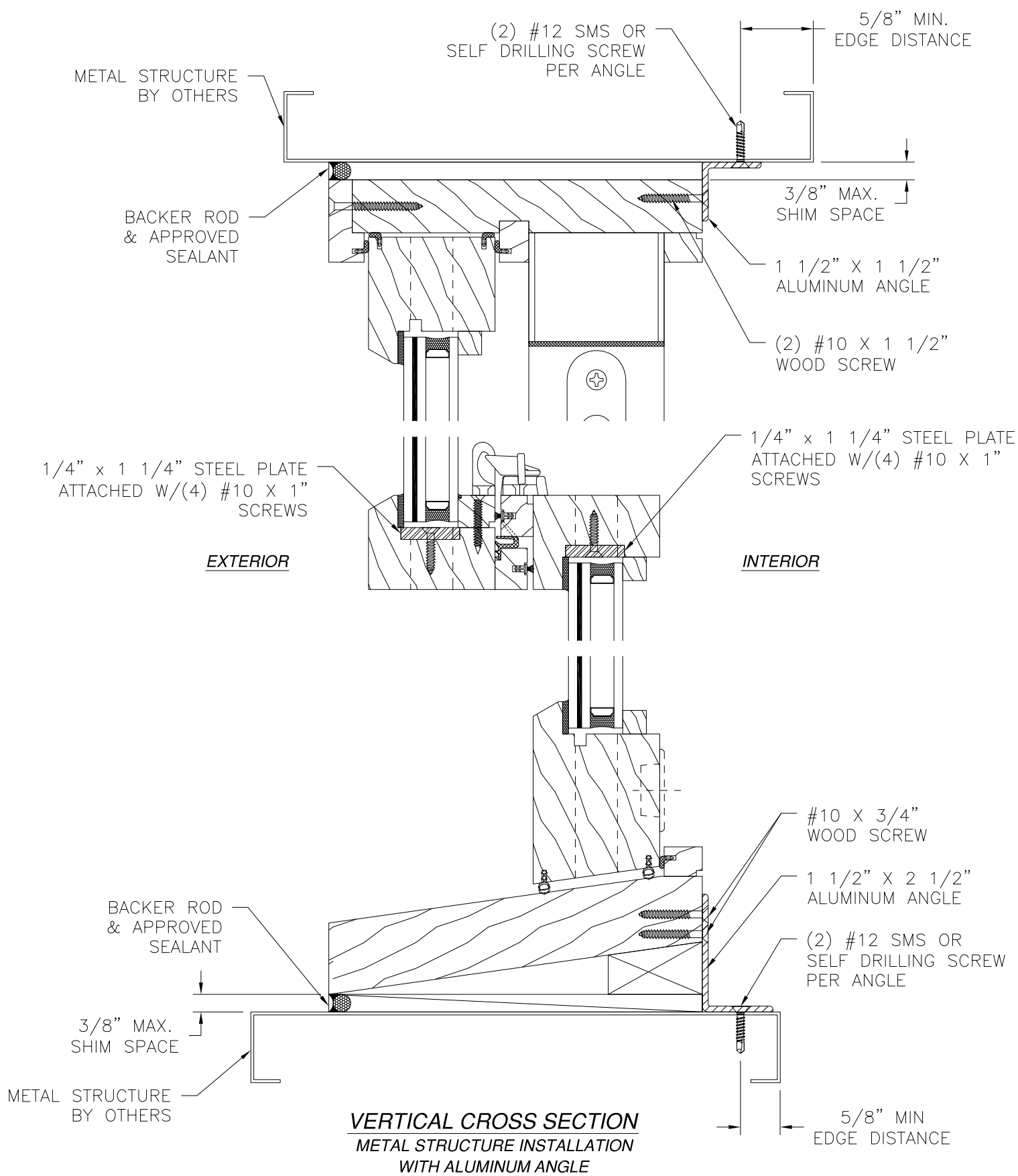
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SPRINGFIELD, NJ 07081

6200 WOOD DOUBLE HUNG WINDOW

IMPACT HVHZ

INSTALLATION DETAILS

DRAWN: A.R.

DWG NO. 08-03506

REV A

SCALE NTS

DATE 10/16/19

SHEET 9 OF 11

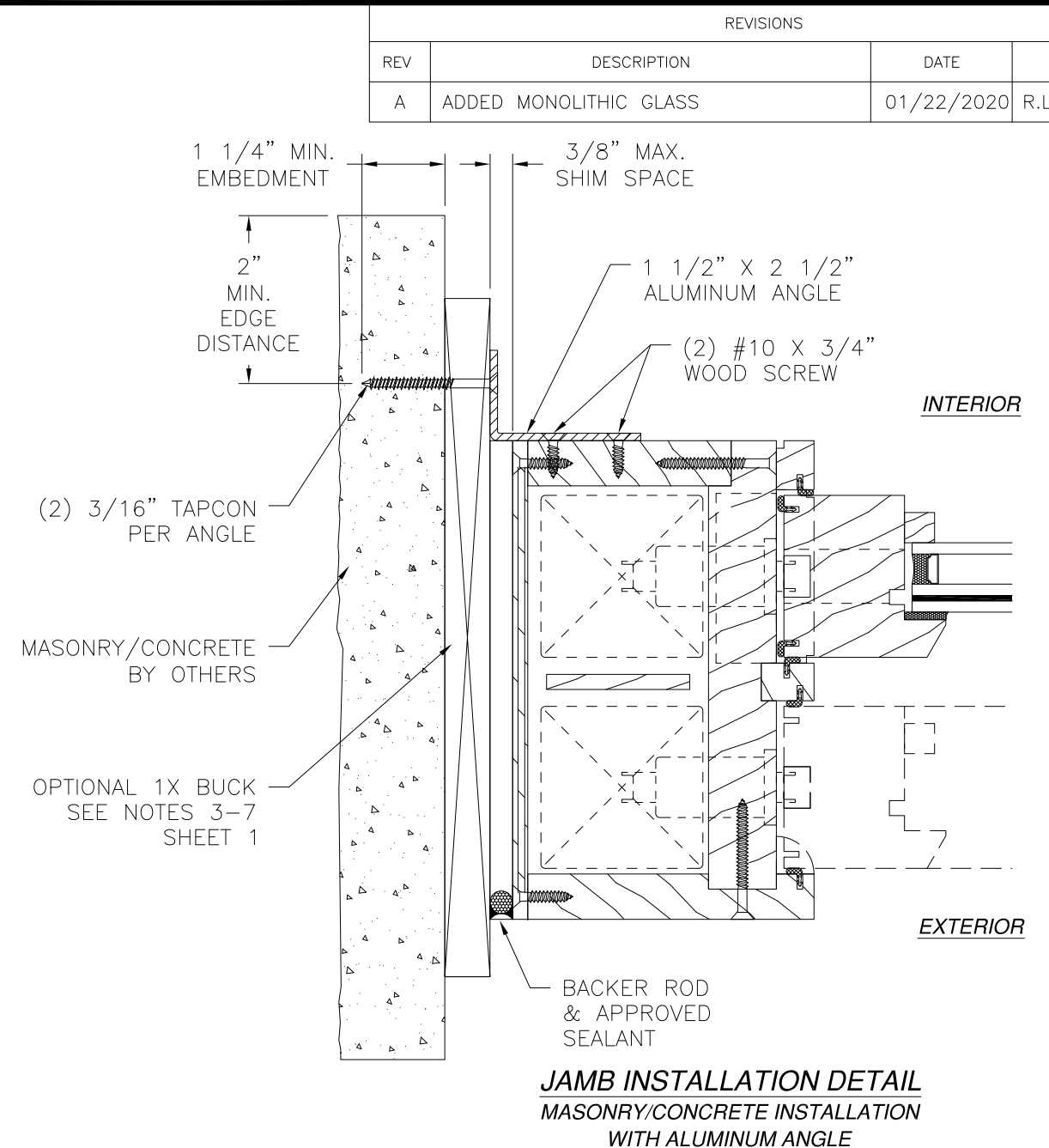
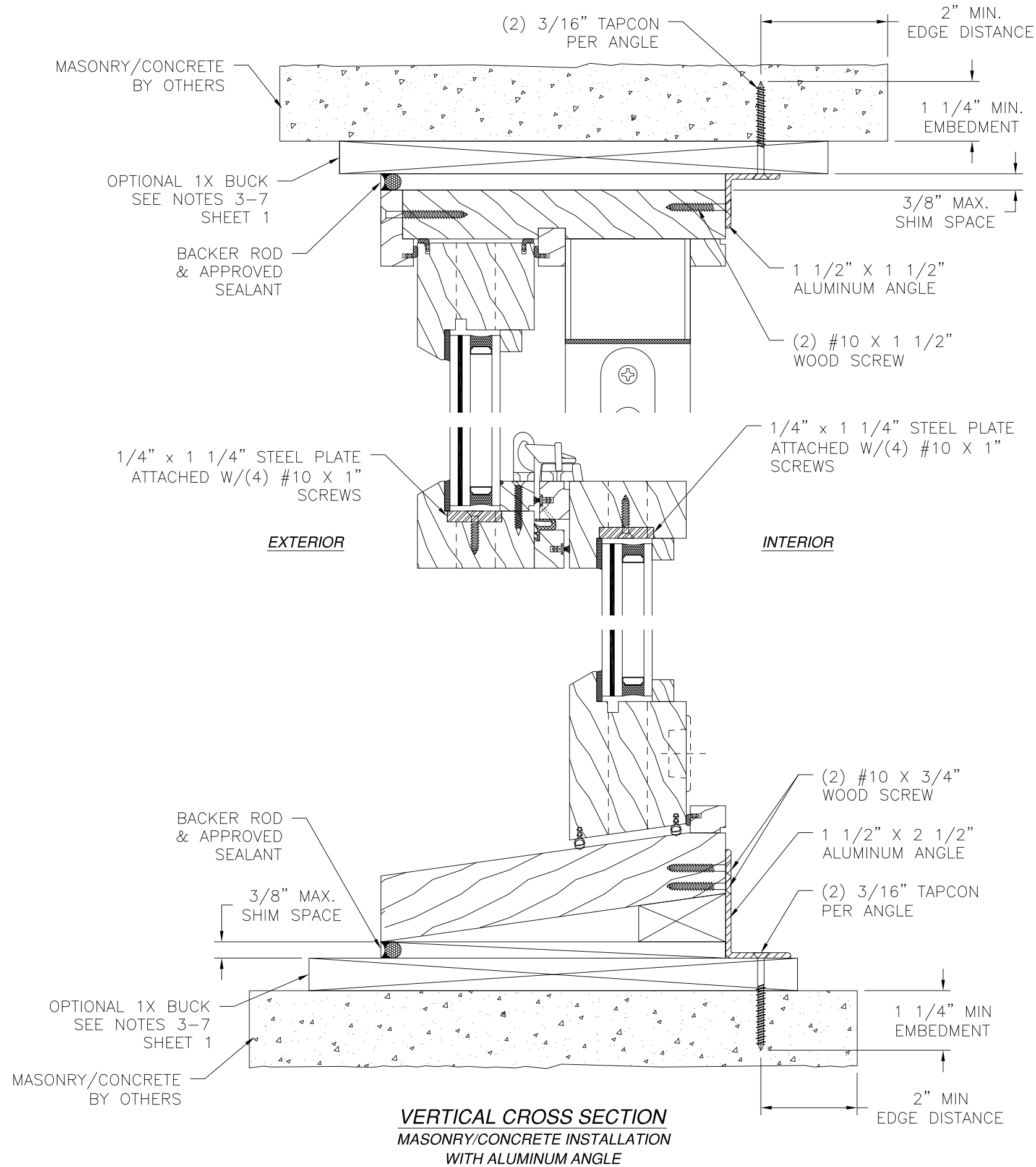
L. ROBERTO LOMAS P.E.

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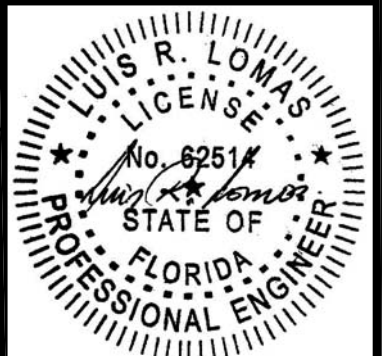
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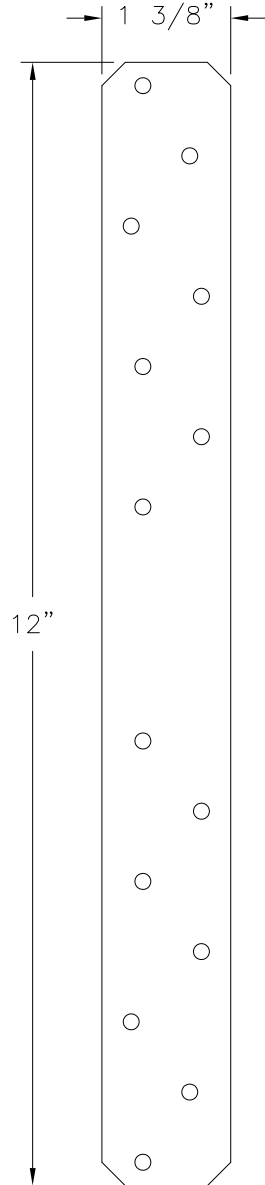
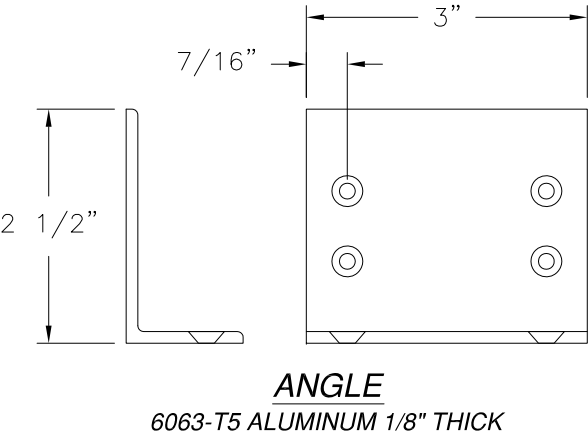
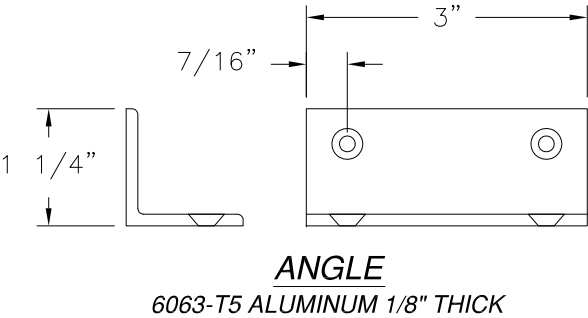
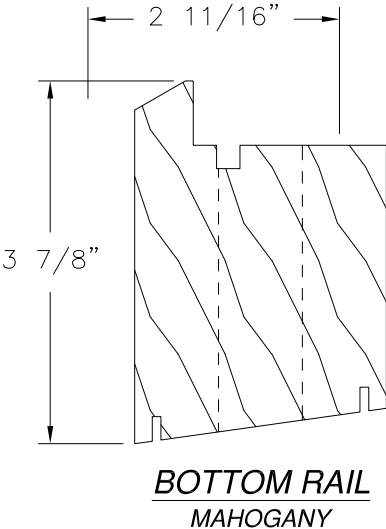
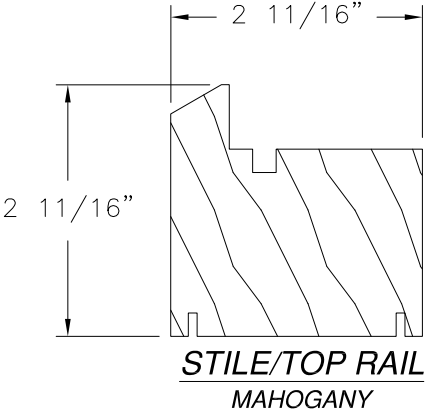
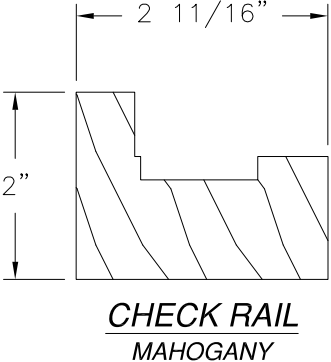
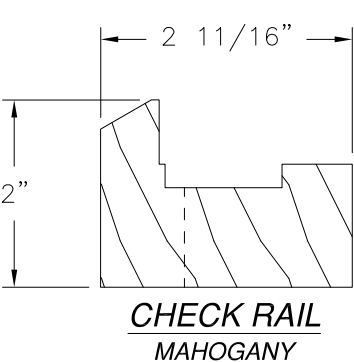
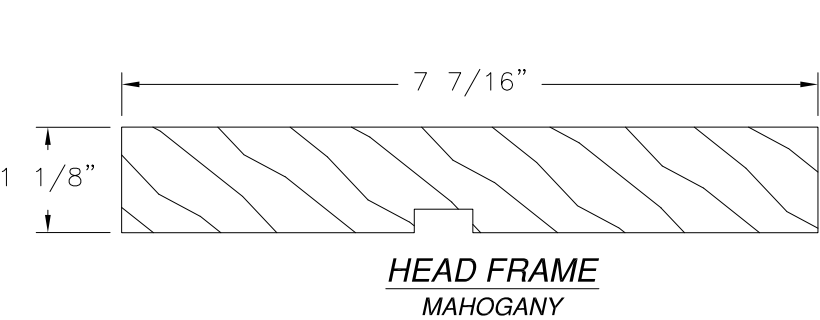
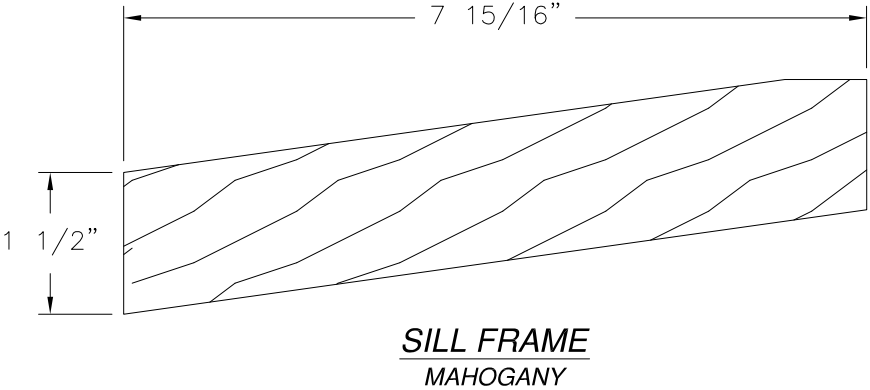
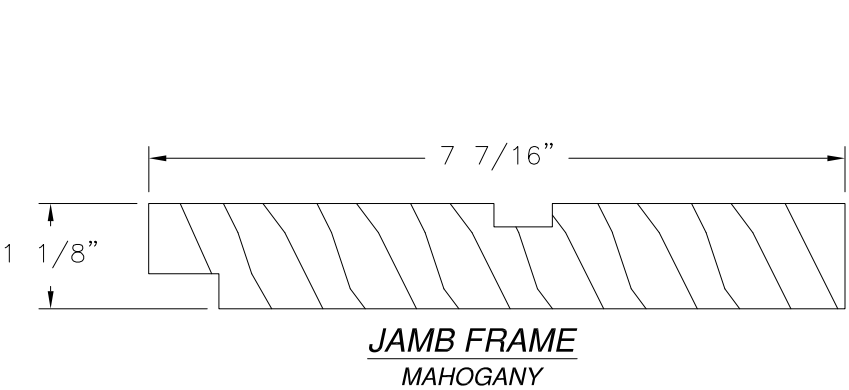
SIGNED: 01/28/2020

|                                                                                                      |                     |                   |
|------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| <b>REVIVAL SASH</b><br>78 DIAMOND ROAD<br>SPRINGFIELD, NJ 07081                                      |                     |                   |
| 6200 WOOD DOUBLE HUNG WINDOW<br>IMPACT HVHZ<br>INSTALLATION DETAILS                                  |                     |                   |
| DRAWN:<br>A.R.                                                                                       | DWG NO.<br>08-03506 | REV<br>A          |
| SCALE<br>NTS                                                                                         | DATE<br>10/16/19    | SHEET<br>10 OF 11 |
| L. ROBERTO LOMAS P.E.<br>1432 WOODFORD RD LEWISVILLE, NC 27023<br>434-688-0609 rllomas@lrlomaspe.com |                     |                   |

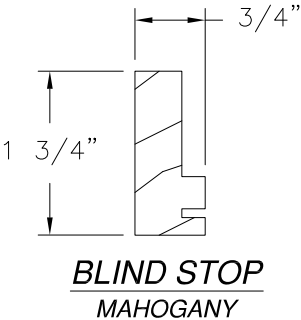
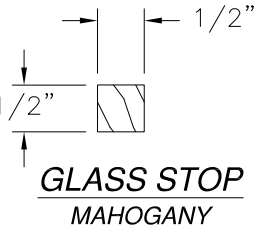
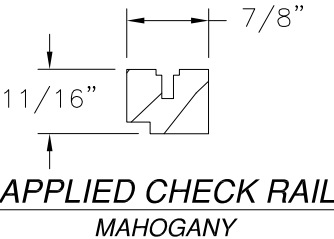
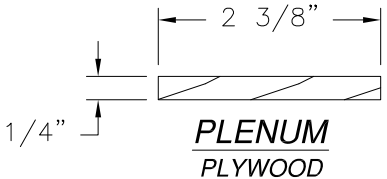
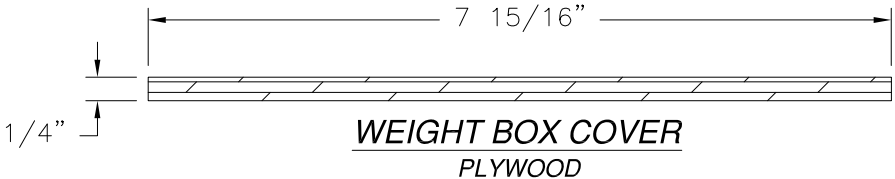
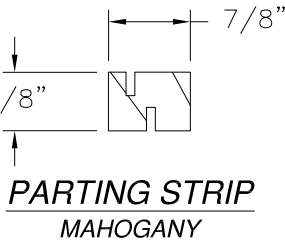
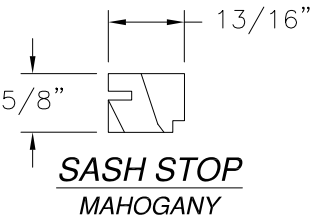
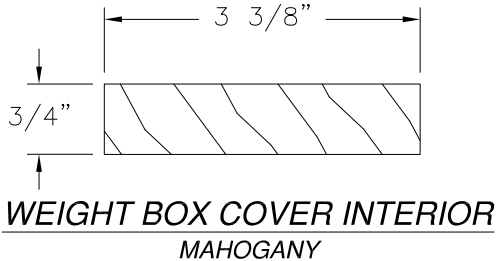
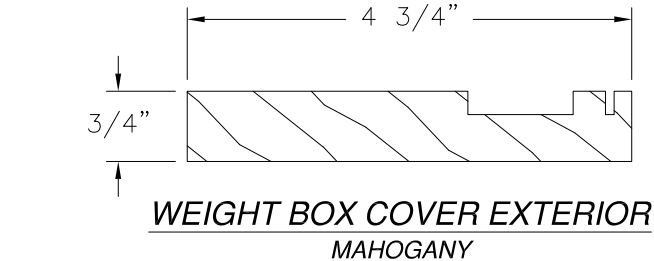


Luis R. Lomas P.E.  
FL No.: 62514

| REVISIONS |                        |            |          |
|-----------|------------------------|------------|----------|
| REV       | DESCRIPTION            | DATE       | APPROVED |
| A         | ADDED MONOLITHIC GLASS | 01/22/2020 | R.L.     |



SIGNED: 01/28/2020



REVIVAL SASH

78 DIAMOND ROAD  
SPRINGFIELD, NJ 07081

6200 WOOD DOUBLE HUNG WINDOW

IMPACT HVHZ  
COMPONENTS

DRAWN:

A.R.

DWG NO.

08-03506

REV

A

SCALE

NTS

DATE

10/16/19

SHEET

11 OF 11

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609    rllomas@lrlomaspe.com



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