

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/28/2020	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 THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #14 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 THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 1/2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING HTP37Z STRAP 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.
18. FOR ANCHORING HRS12 STRAP INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2” MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
19. FOR ANCHORING HTP37Z OR HRS12 STRAP 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.
20. FOR ANCHORING ANGLE CLIP INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
21. FOR ANCHORING ANGLE CLIP INTO METAL STRUCTURE USE #10 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.
22. FOR ANCHORING HTP37Z STRAP OR ANGLE CLIP INTO MASONRY/CONCRETE USE 3/16” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1 1/2” MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
23. ALL FASTENERS TO BE CORROSION RESISTANT.
24. 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: GROUT 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

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12	COMPONENTS

REVIVAL SASH

78 DIAMOND ROAD

SPRINGFIELD, NJ 07081

8200 WOOD SIDE–HINGED INSWING DOUBLE DOOR

IMPACT HVHZ

NOTES

DRAWN:

DWG NO.

REV

A.R.

08–03521

A

SCALE

DATE

SHEET

NTS

11/20/19

1

OF

12

L. ROBERTO LOMAS P.E.

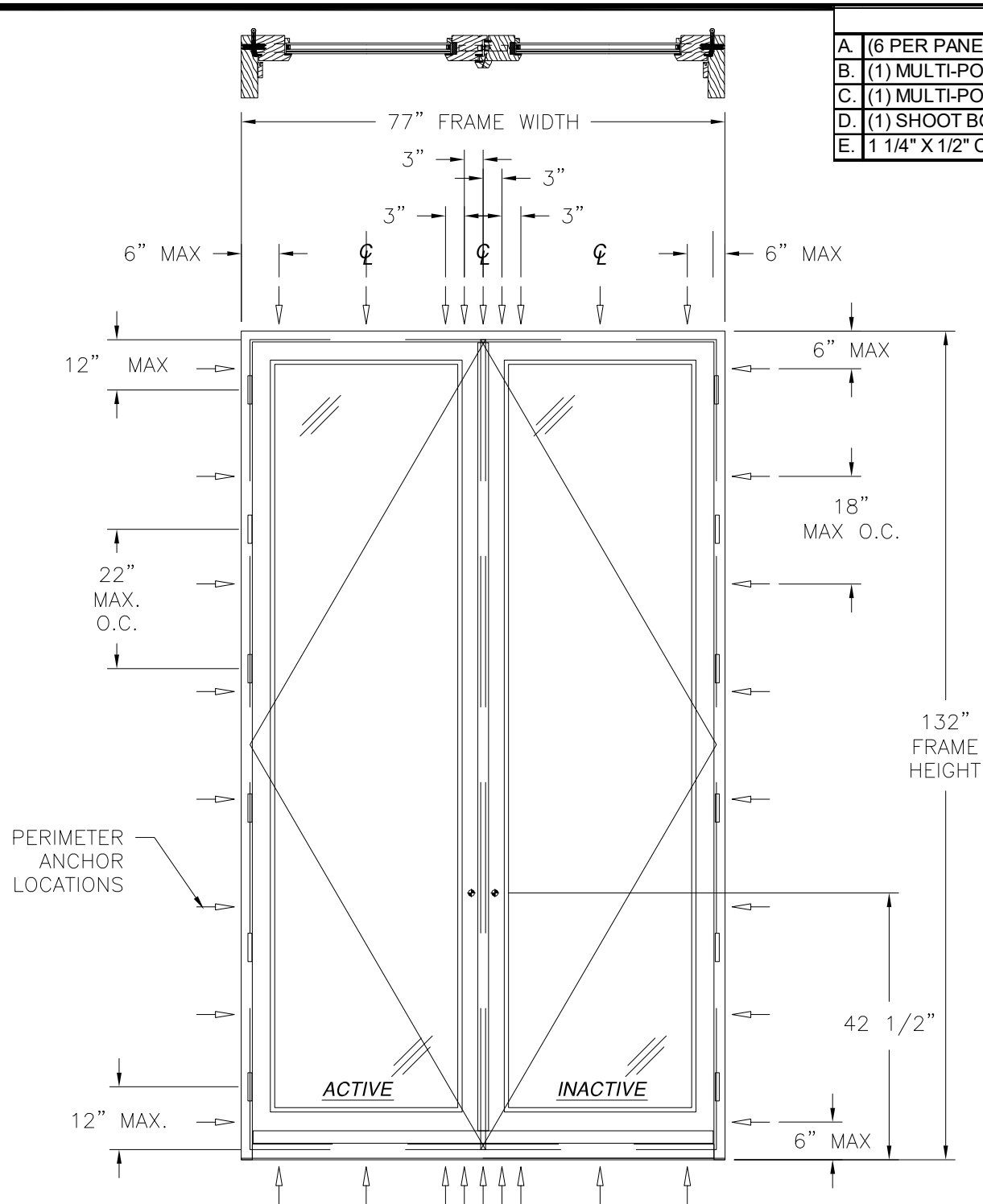
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/29/2020



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



8200 WOOD SIDE-HINGED INSWING DOUBLE DOOR
IMPACT HVHZ
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
+60.0/-70.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
WHERE WATER PENETRATION RESISTANCE IS REQUIRED 77" X 132" UNIT SHOWN. OTHER SIZES ARE APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 70.58 FT²

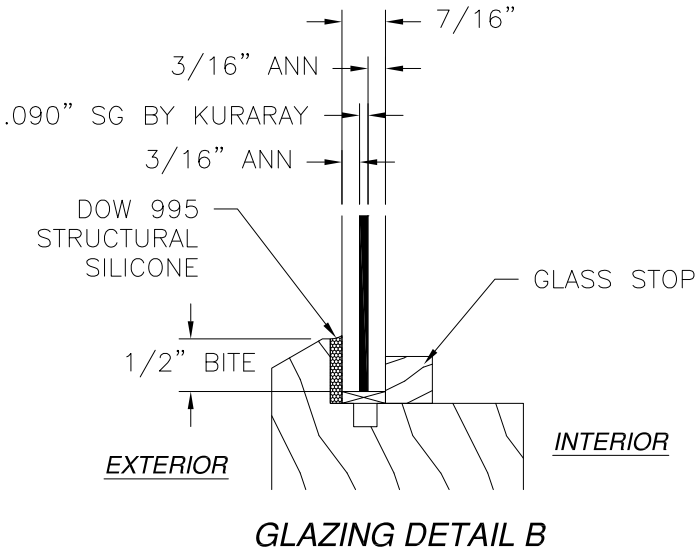
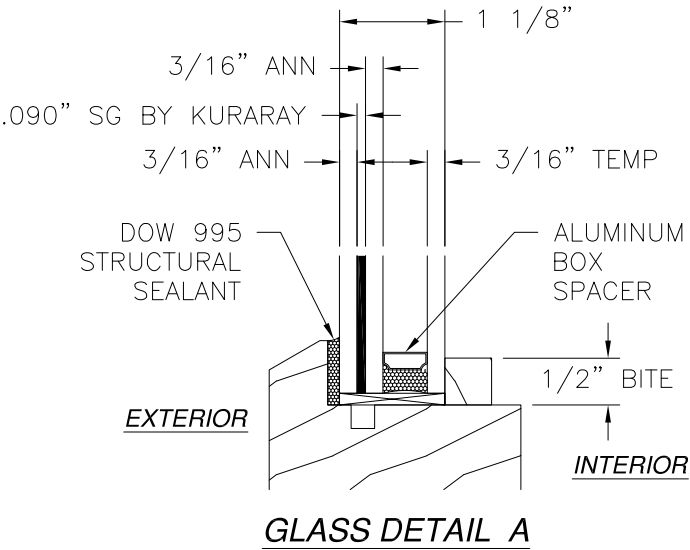
DESIGN PRESSURE RATING	IMPACT RATING
+65.0/-70.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED

HARDWARE SCHEDULE	
A.	(6 PER PANEL) BUTT HINGES 8" FROM HEAD, 10" FROM SILL & 22" O.C. THEREAFTER
B.	(1) MULTI-POINT LOCK WITH HANDLE AND DEADBOLT AT LOCK STILE IN ACTIVE PANEL
C.	(1) MULTI-POINT LOCK WITH HANDLE AT LOCK STILE IN INACTIVE PANEL
D.	(1) SHOOT BOLT RECEIVER PLATE AT MIDSPAN OF HEAD
E.	1 1/4" X 1/2" CONTINUOUS STEEL REINFORCEMENT AT PANEL MEETING STILES

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- NOTES:
- PANEL SIZE: 37 1/2" X 129"
 - D.L.O.: 30 1/2" X 119 3/4"
 - MULTI-POINT LOCK SYSTEM WITH 6 LOCK POINTS AT 12" FROM EACH END AND 22" O.C. THEREAFTER. ENGAGING TO INACTIVE PANEL AND A SHOOT BOLT AT EACH END.
 - HANDLE HEIGHT: STANDARD 40 7/8" FROM PANEL BOTTOM (MIN 36 1/2", MAX 42 1/2").
 - DEADBOLT AT 38 1/2" FROM BOTTOM RAIL IN BOTH PANELS.

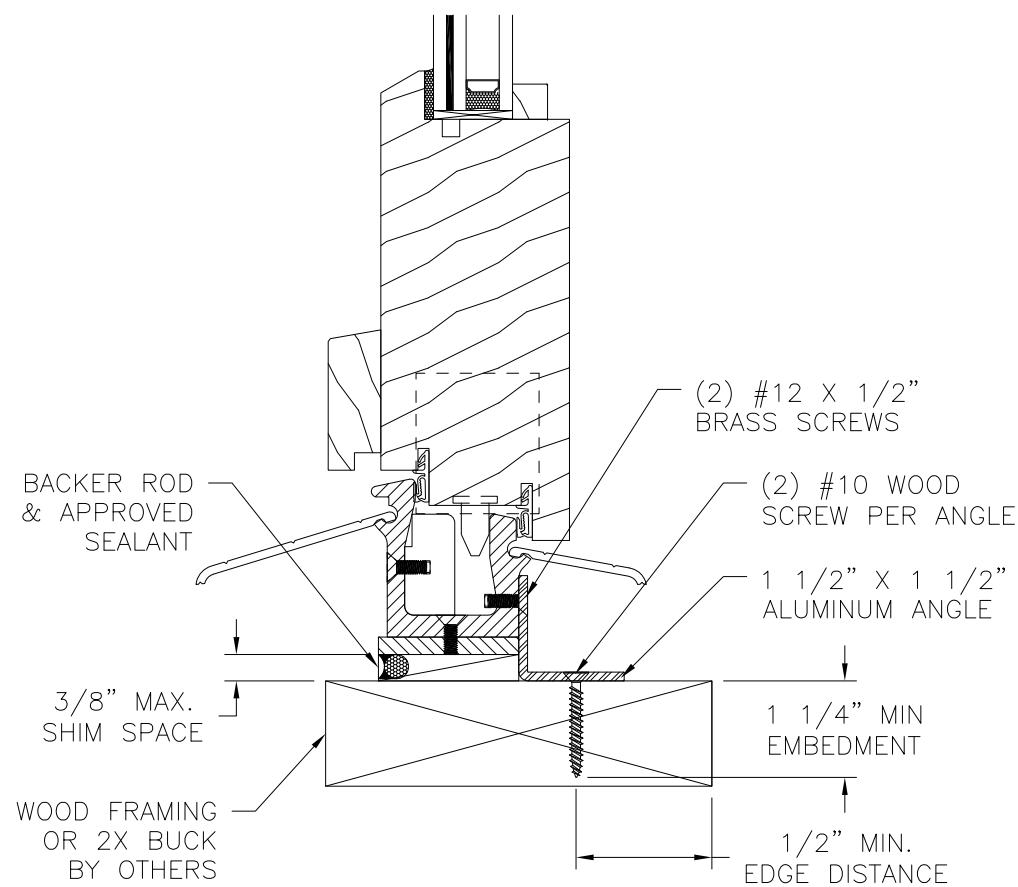
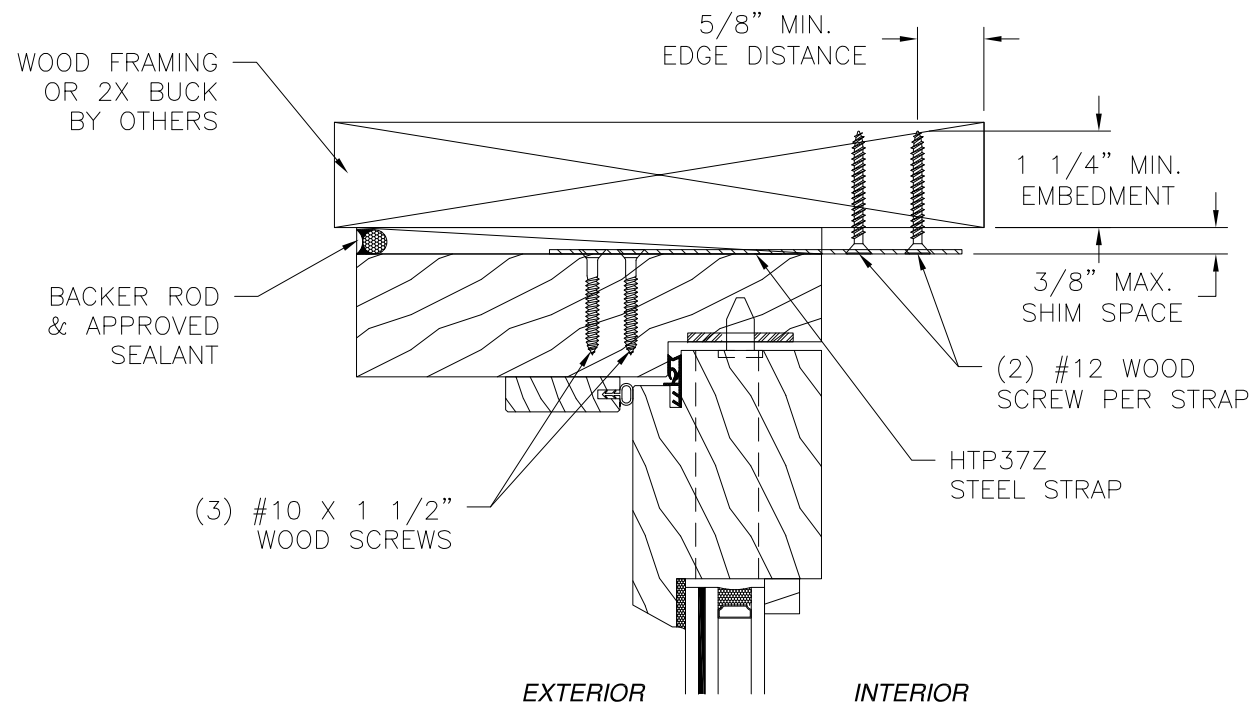


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REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
8200 WOOD SIDE-HINGED INSWING DOUBLE DOOR IMPACT HVHZ ELEVATION		
DRAWN: A.R.	DWG NO. 08-03521	REV A
SCALE NTS	DATE 11/20/19	SHEET 2 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

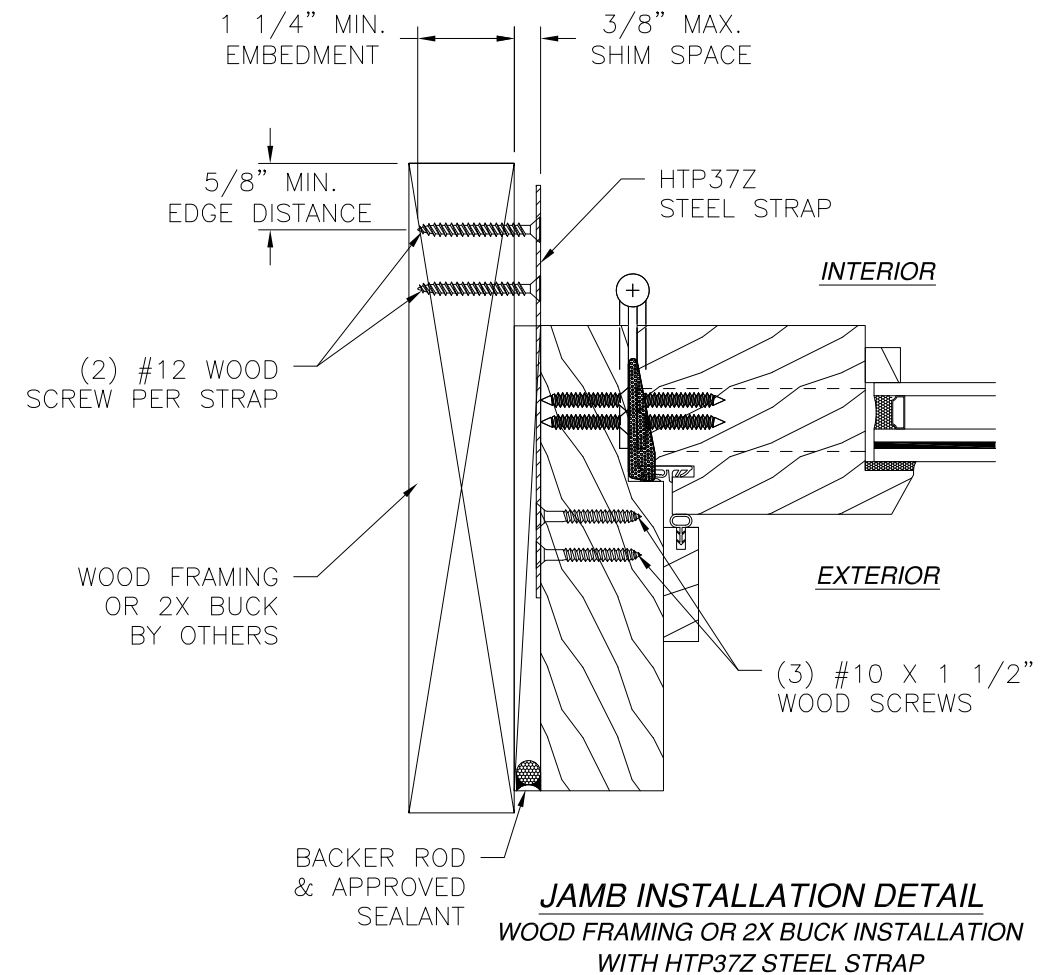


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION
WITH HTP37S STRAP AND ALUMINUM ANGLE

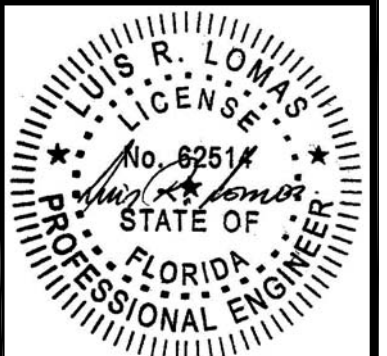
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- NOTES:**
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 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

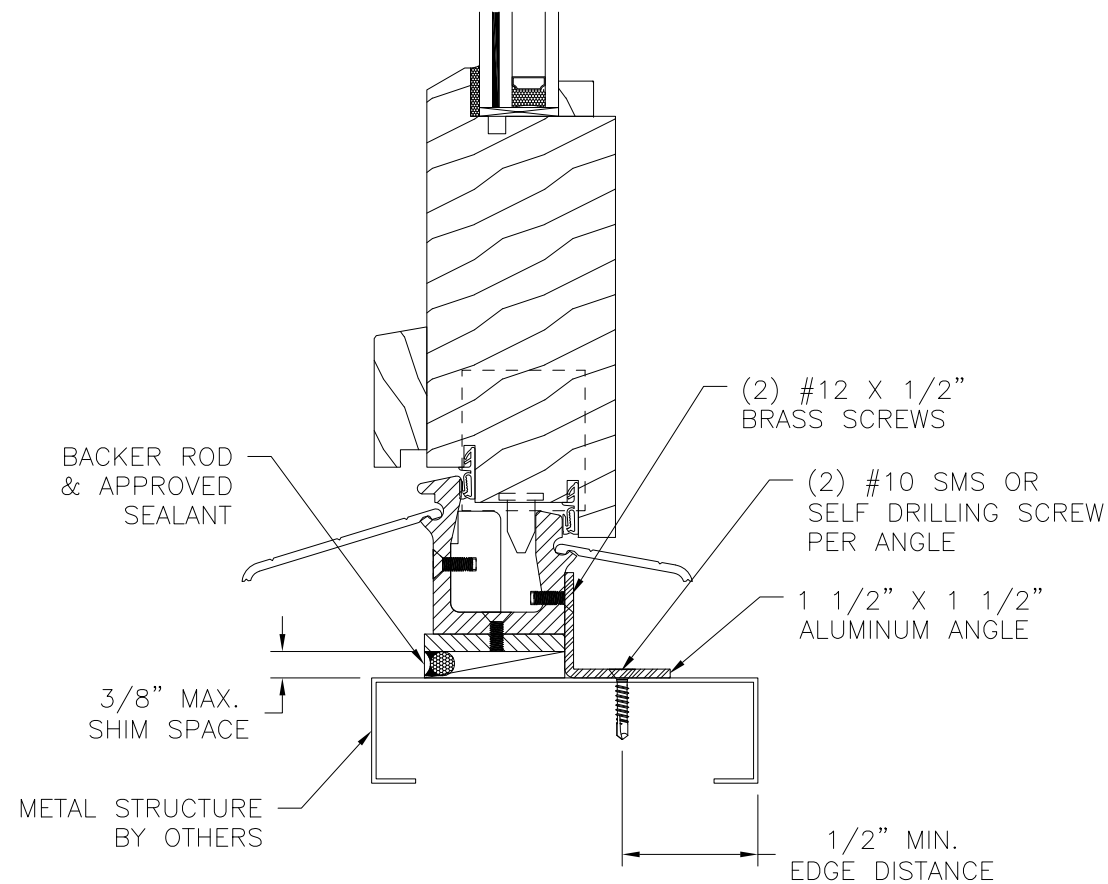
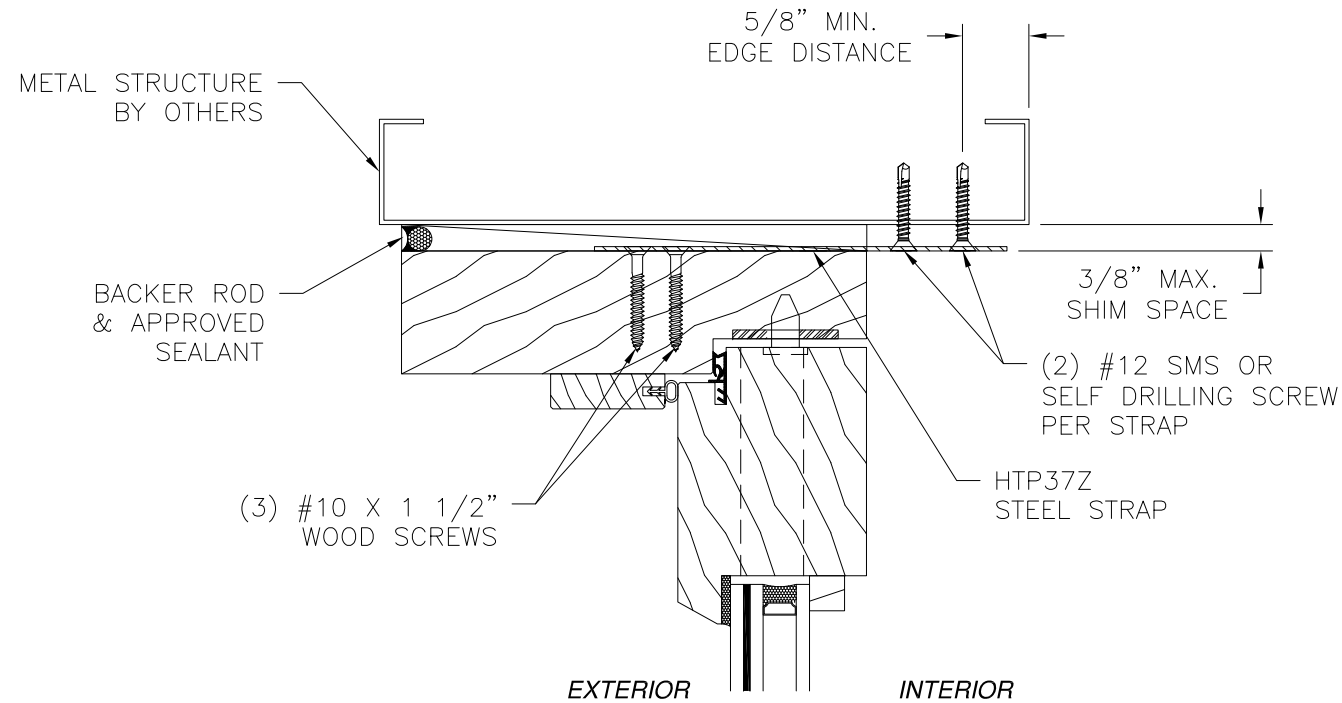
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8200 WOOD SIDE-HINGED INSWING DOUBLE DOOR IMPACT HVHZ INSTALLATION DETAILS		
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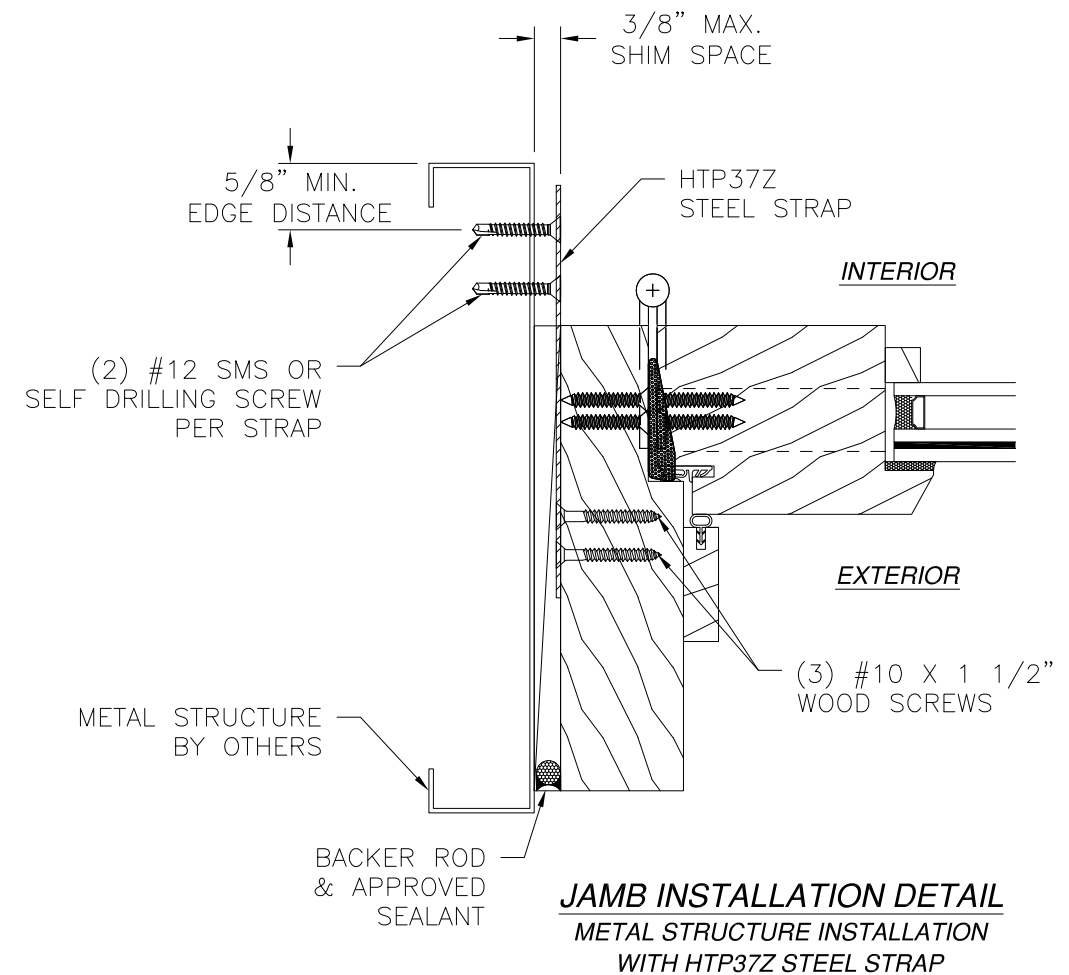


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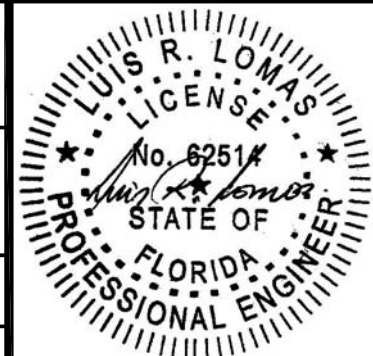
VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION
WITH HTP37S STRAP AND ALUMINUM ANGLE



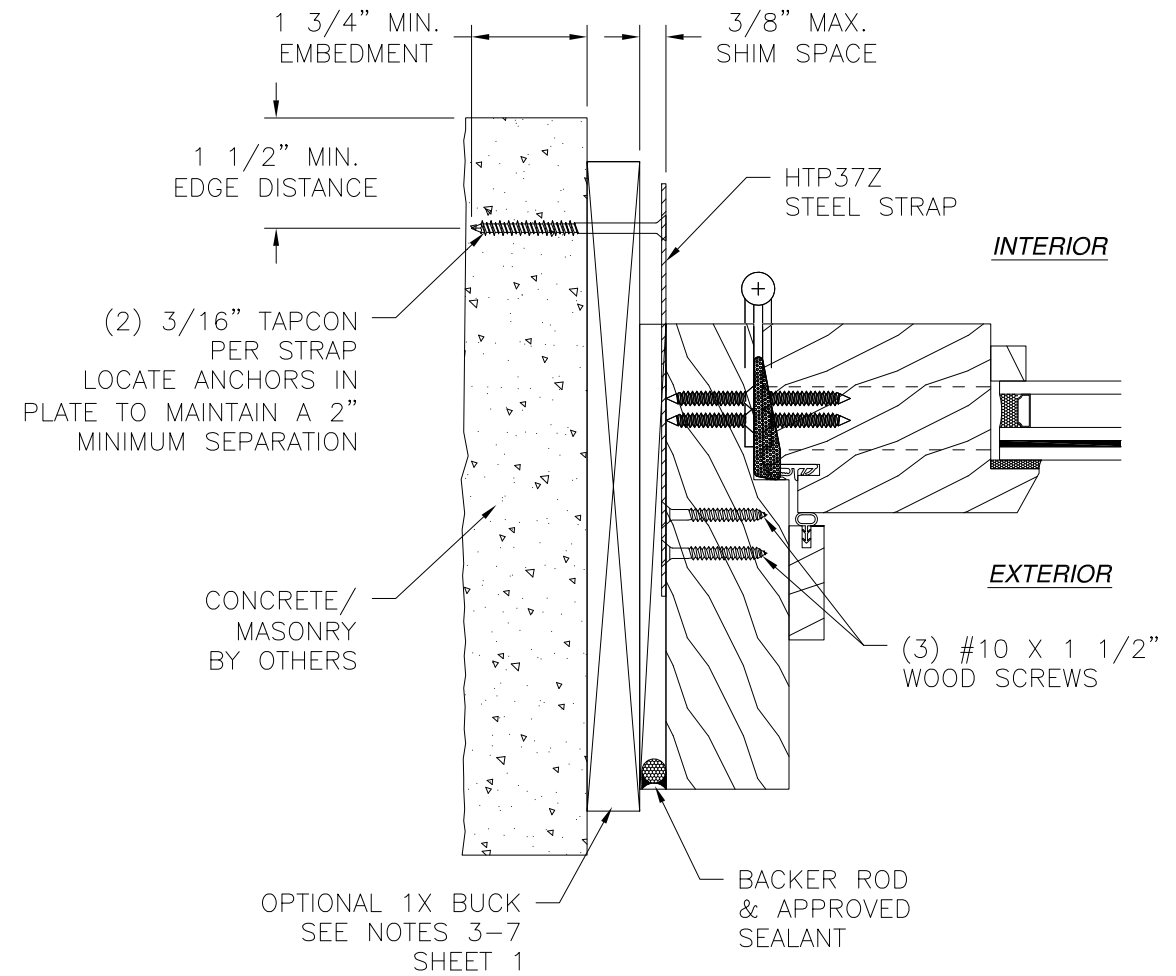
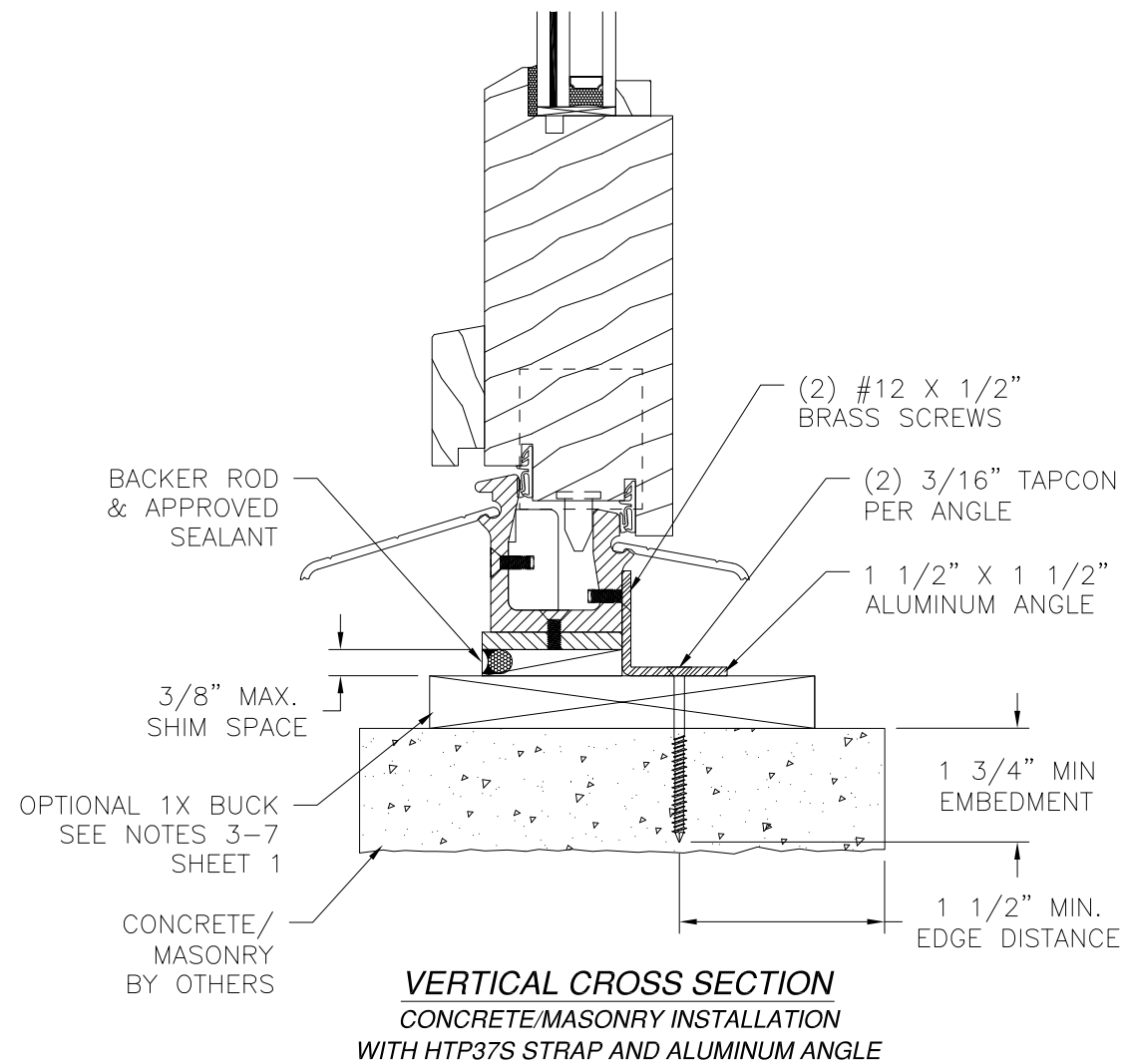
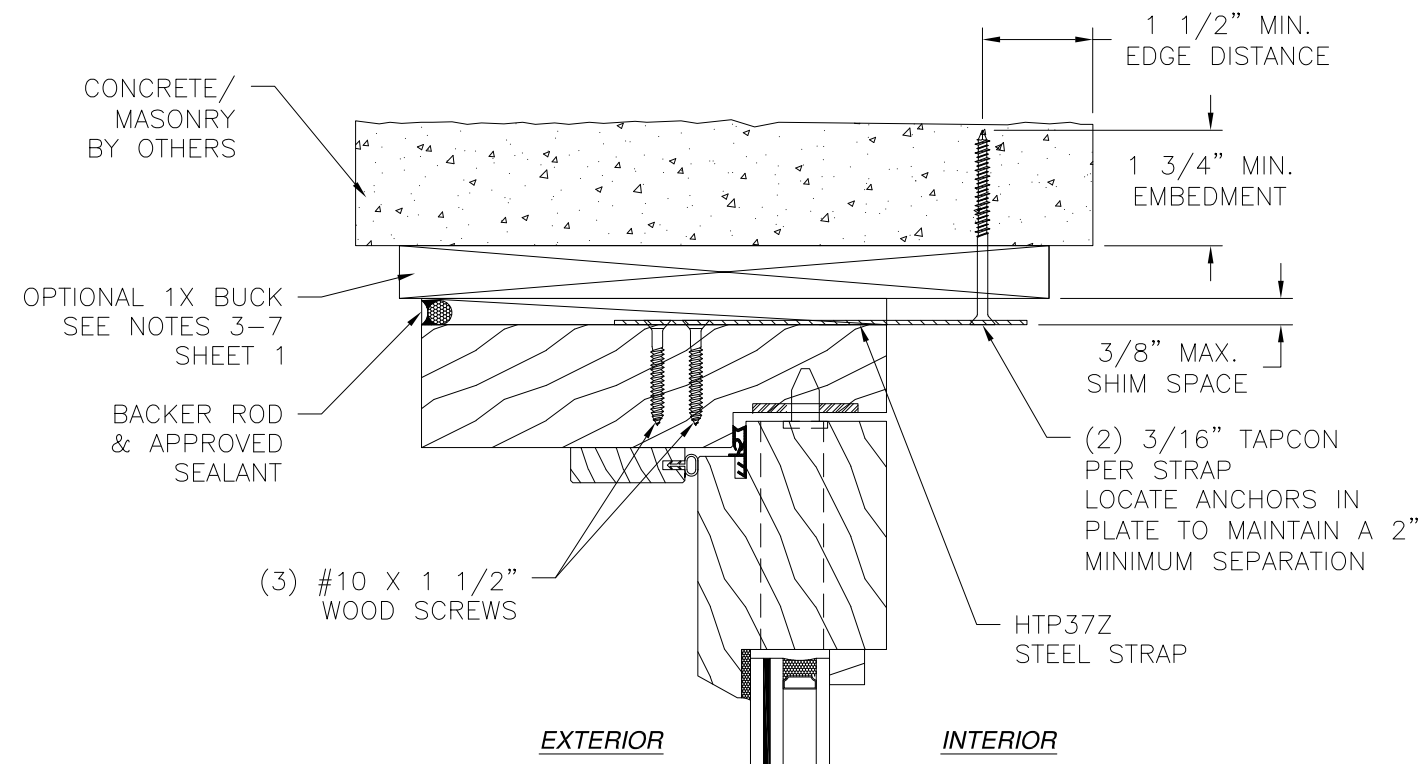
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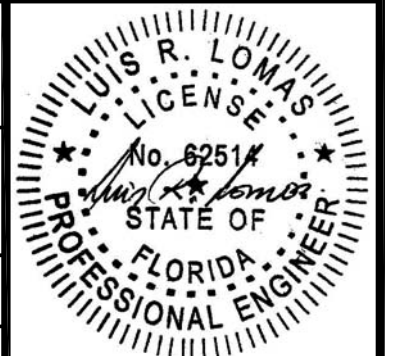


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION
WITH HTP37Z STEEL STRAP

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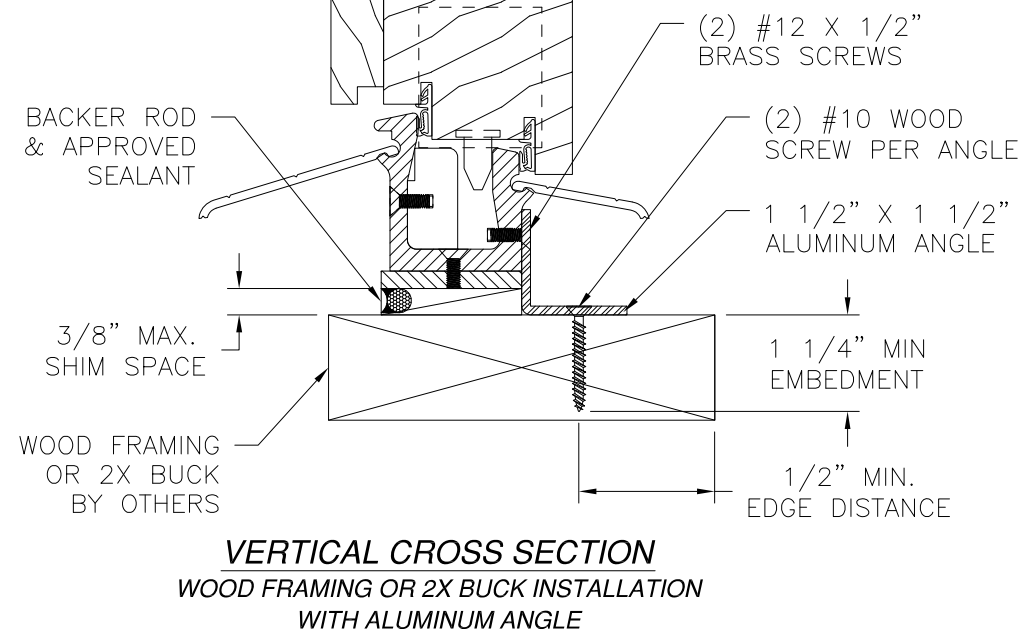
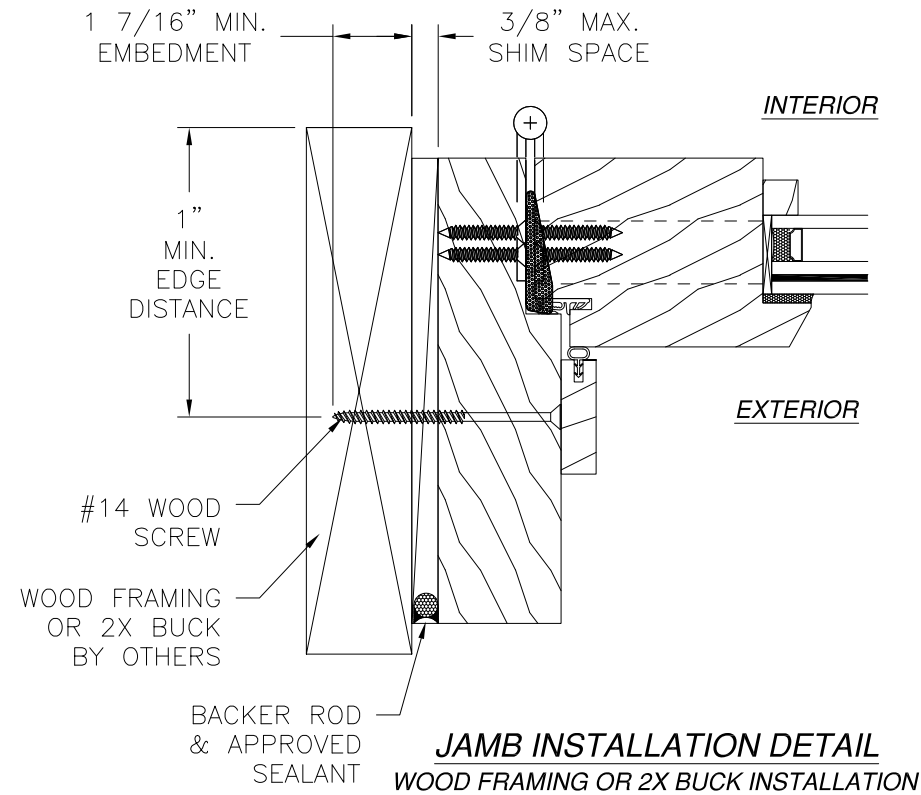
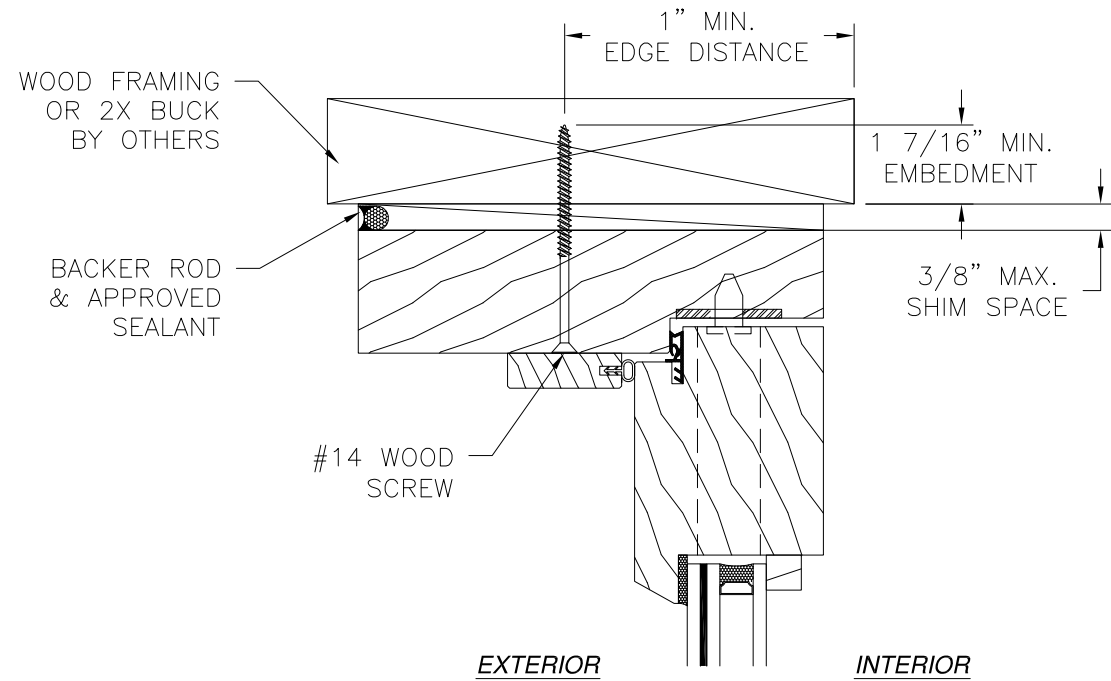
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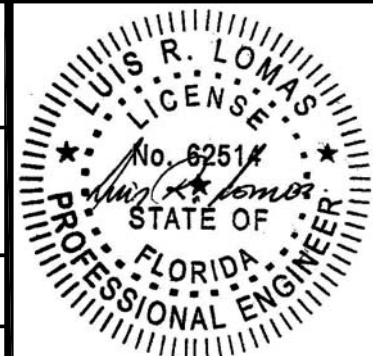
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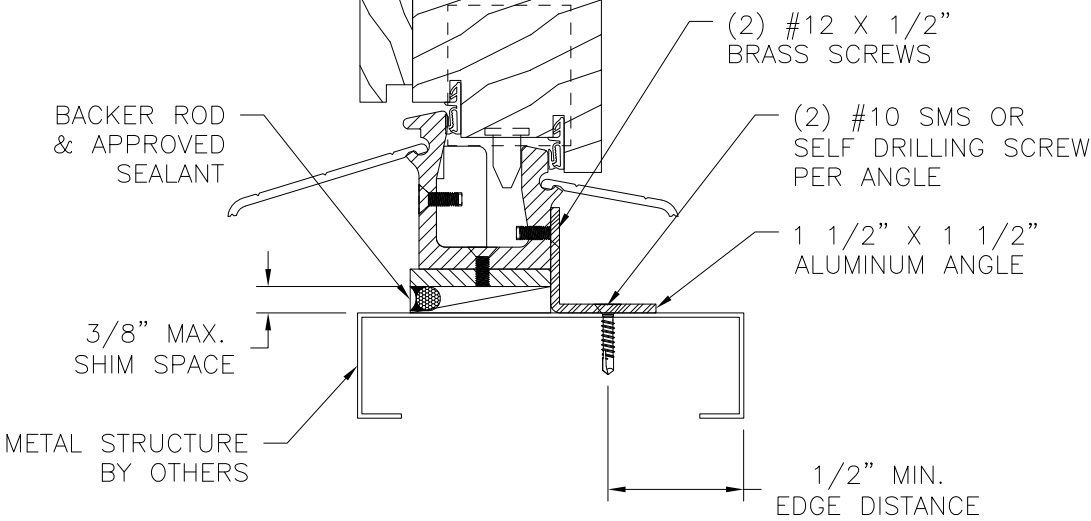
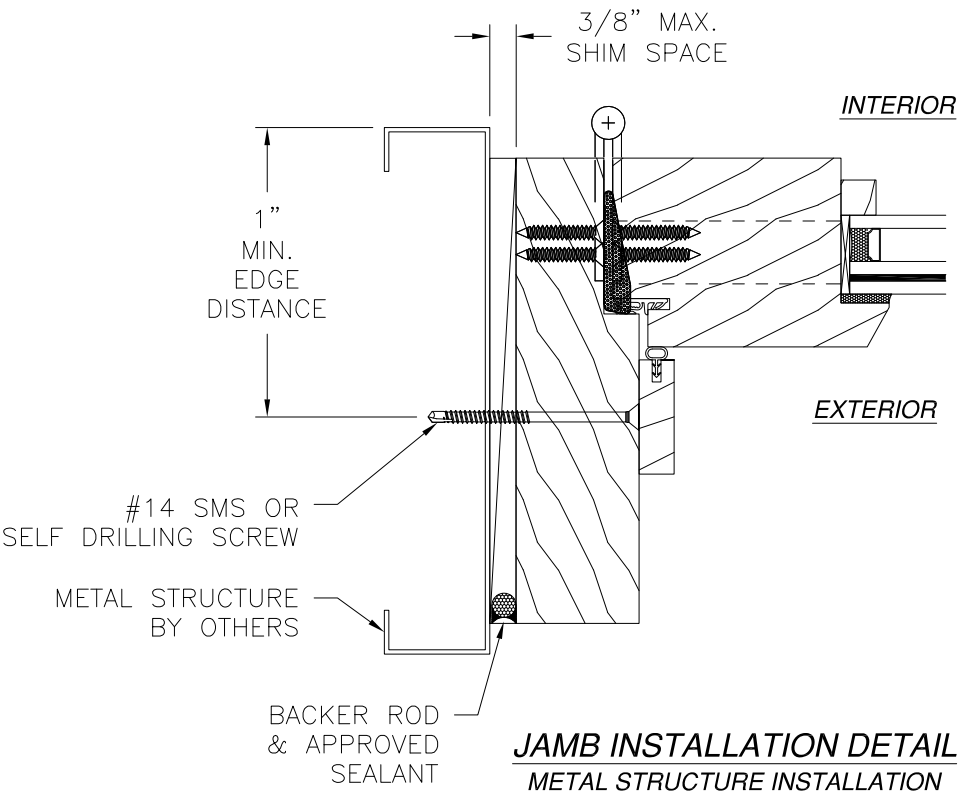
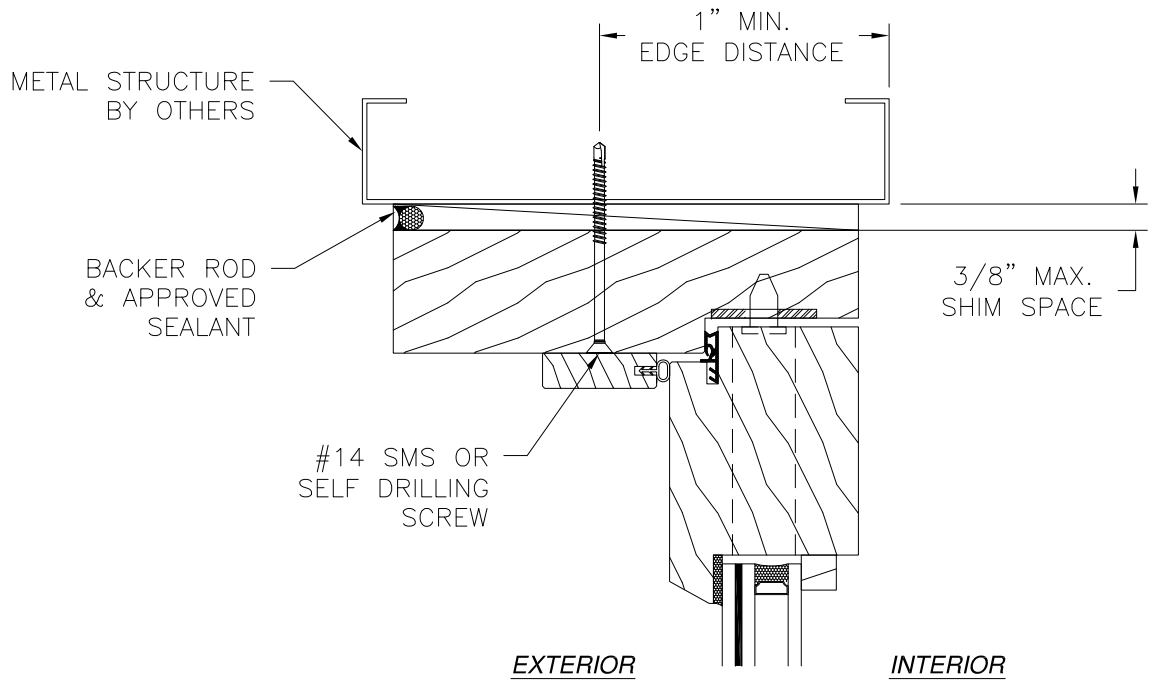
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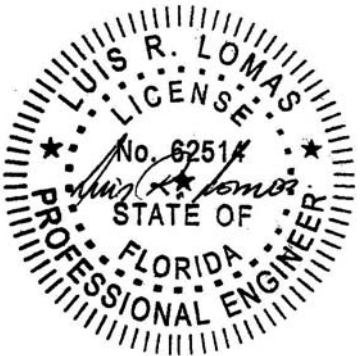
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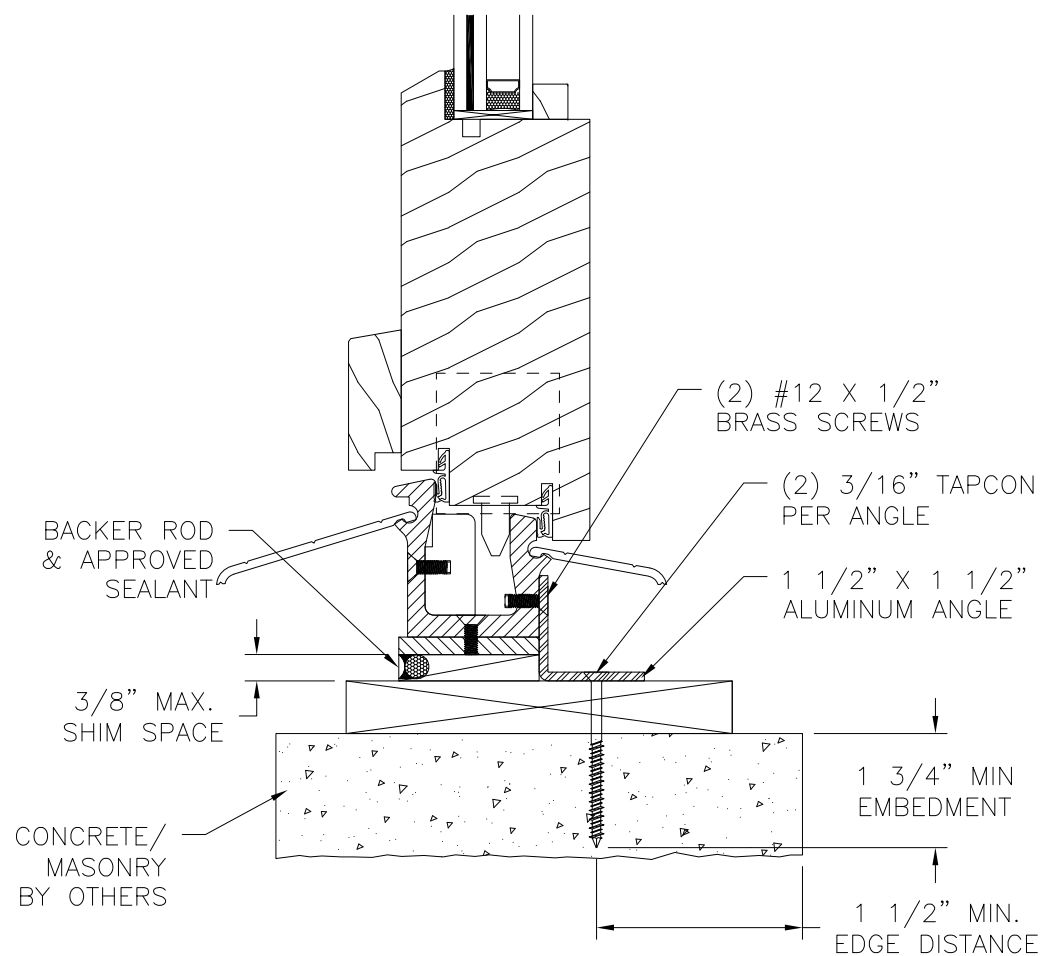
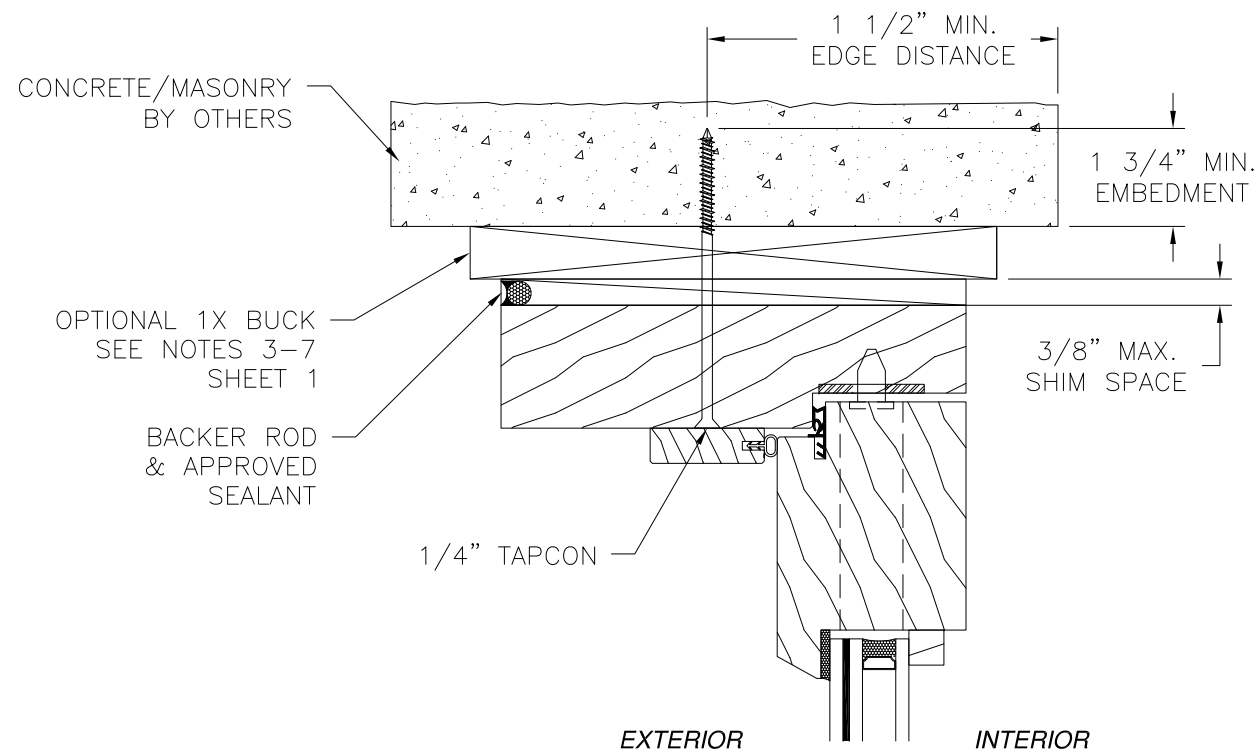
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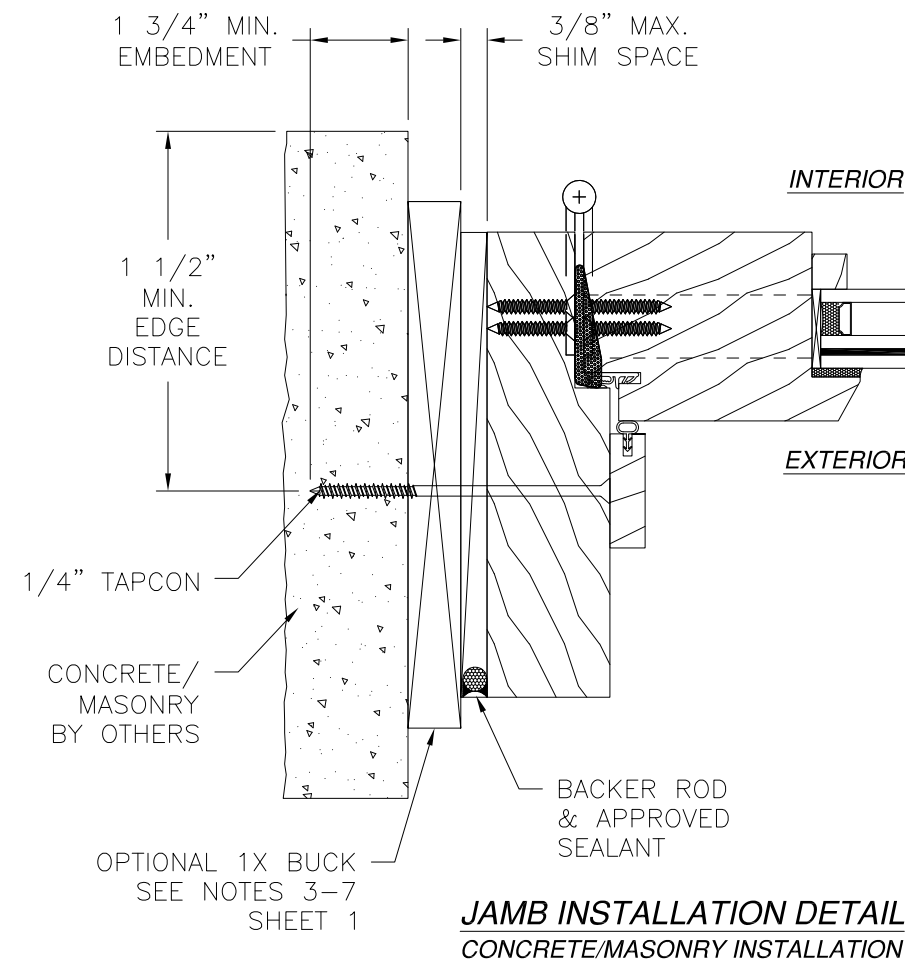
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION
WITH ALUMINUM ANGLE



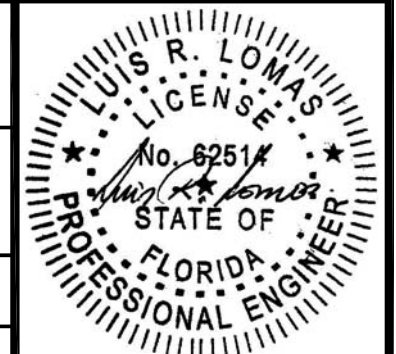
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REVIVAL SASH
78 DIAMOND ROAD
SPRINGFIELD, NJ 07081

8200 WOOD SIDE-HINGED INSWING DOUBLE DOOR
IMPACT HVHZ
INSTALLATION DETAILS

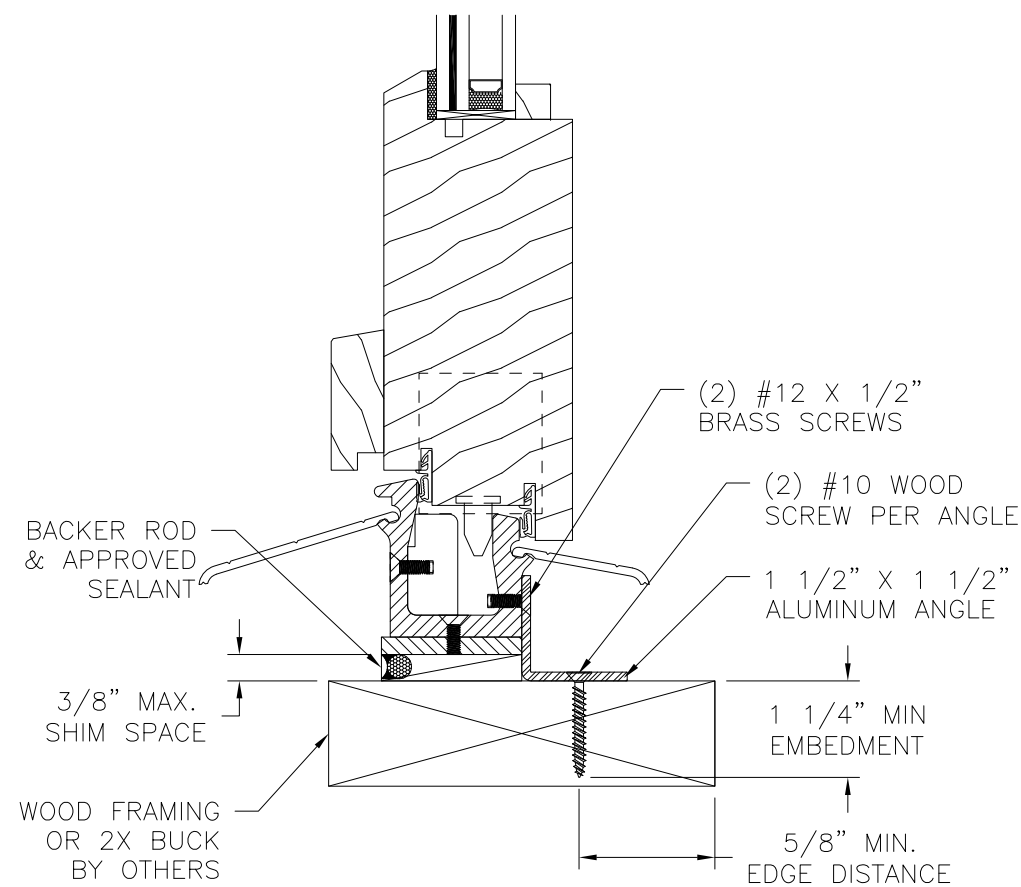
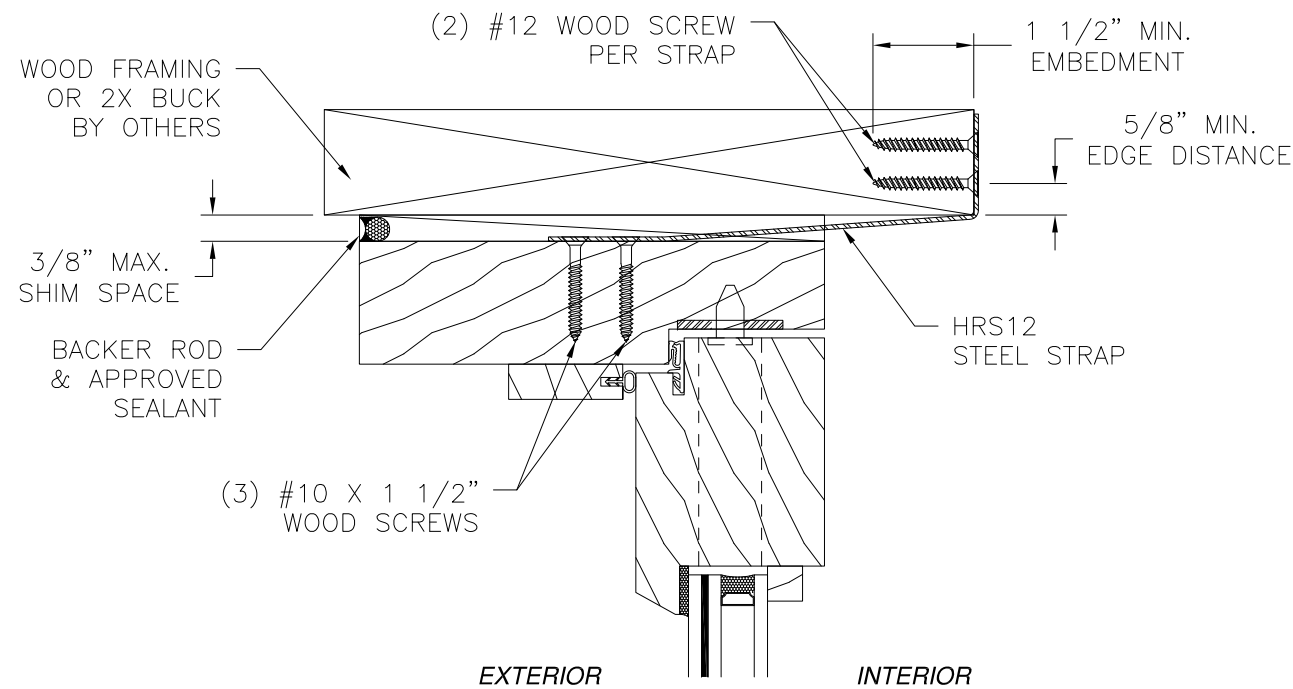
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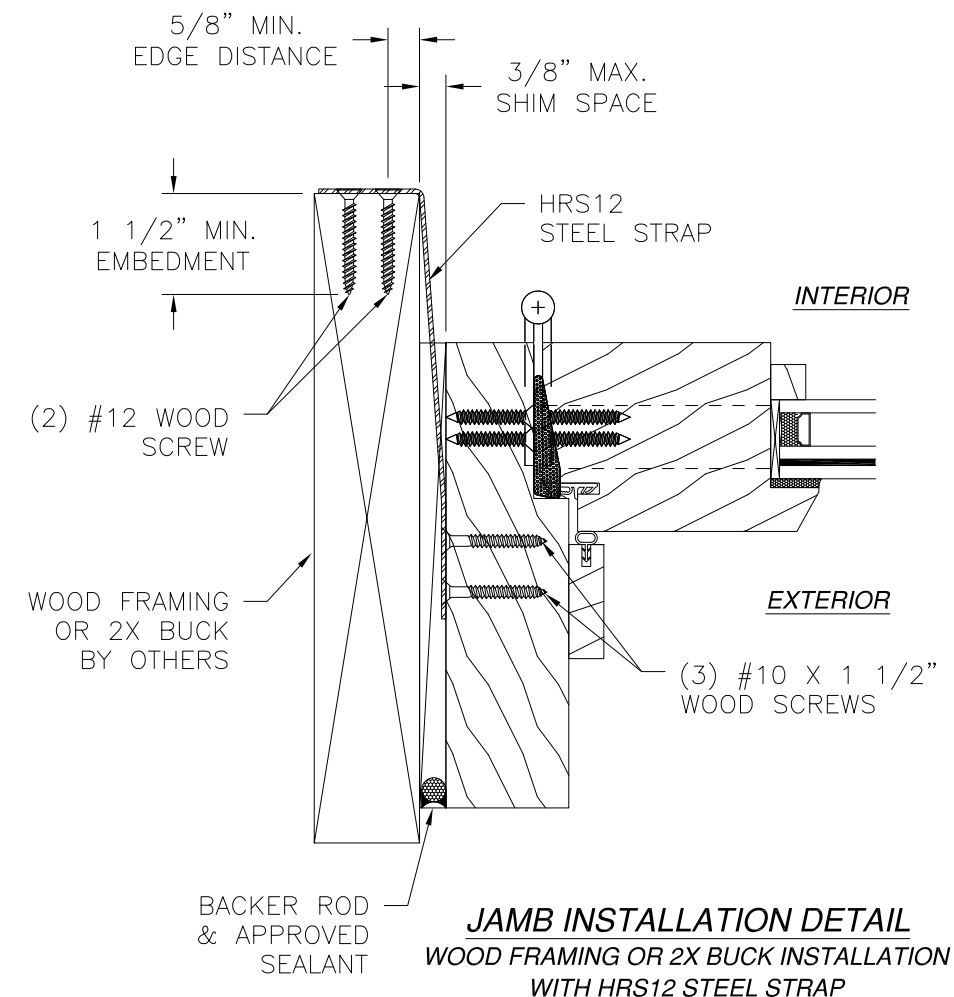


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION
WITH HRS12 STRAP AND ALUMINUM ANGLE



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REVIVAL SASH

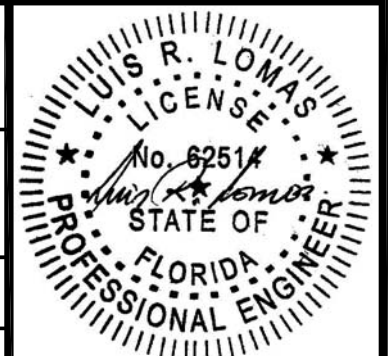
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SPRINGFIELD, NJ 07081

8200 WOOD SIDE-HINGED INSWING DOUBLE DOOR
IMPACT HVHZ
INSTALLATION DETAILS

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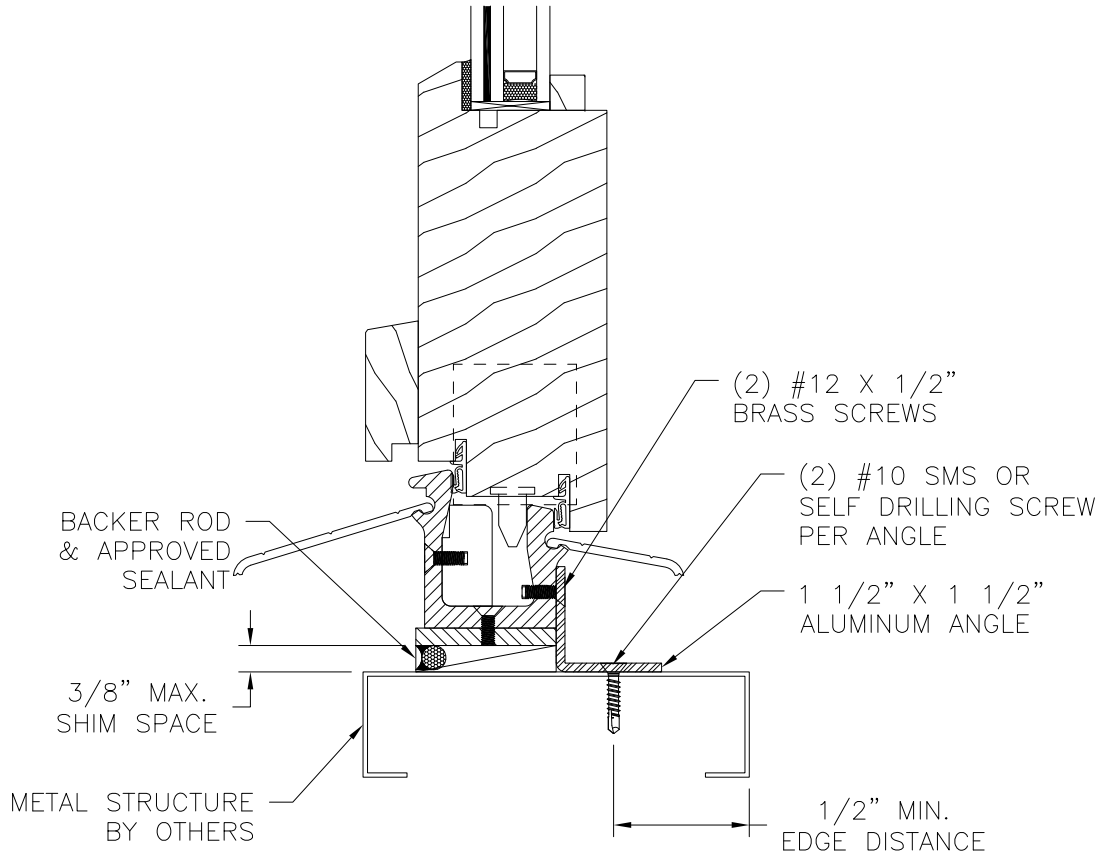
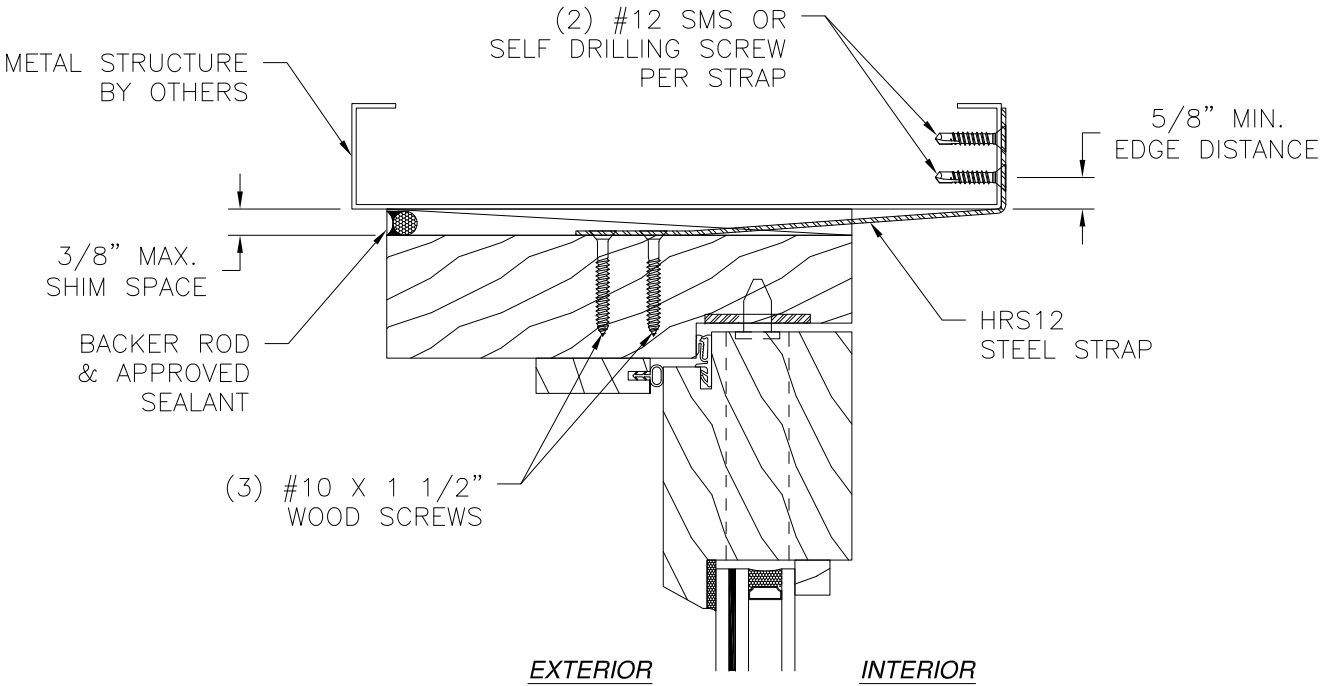
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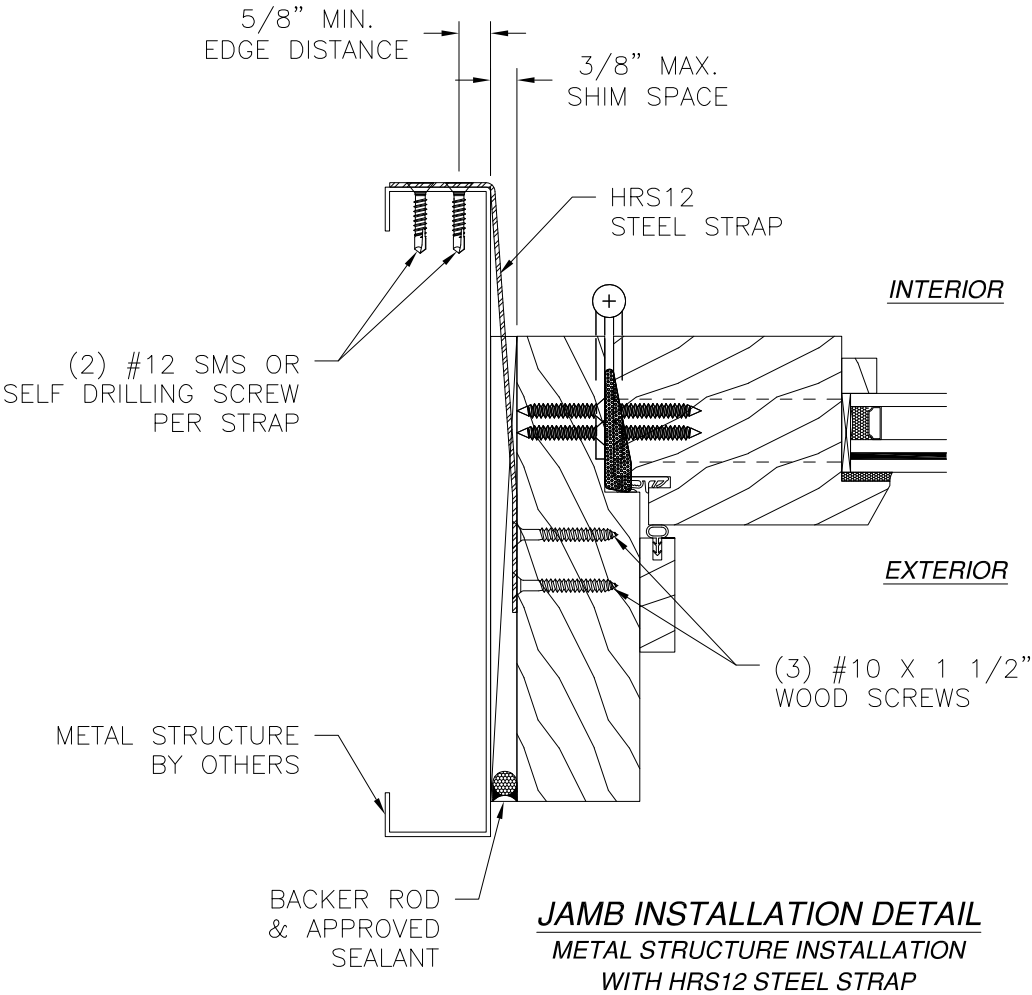
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION
WITH HRS12 STRAP AND ALUMINUM ANGLE

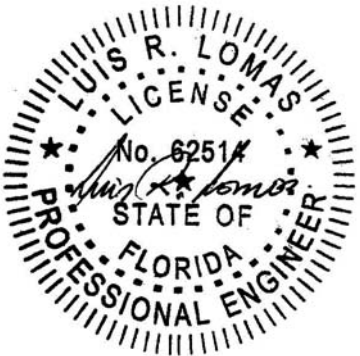


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION
WITH HRS12 STEEL STRAP

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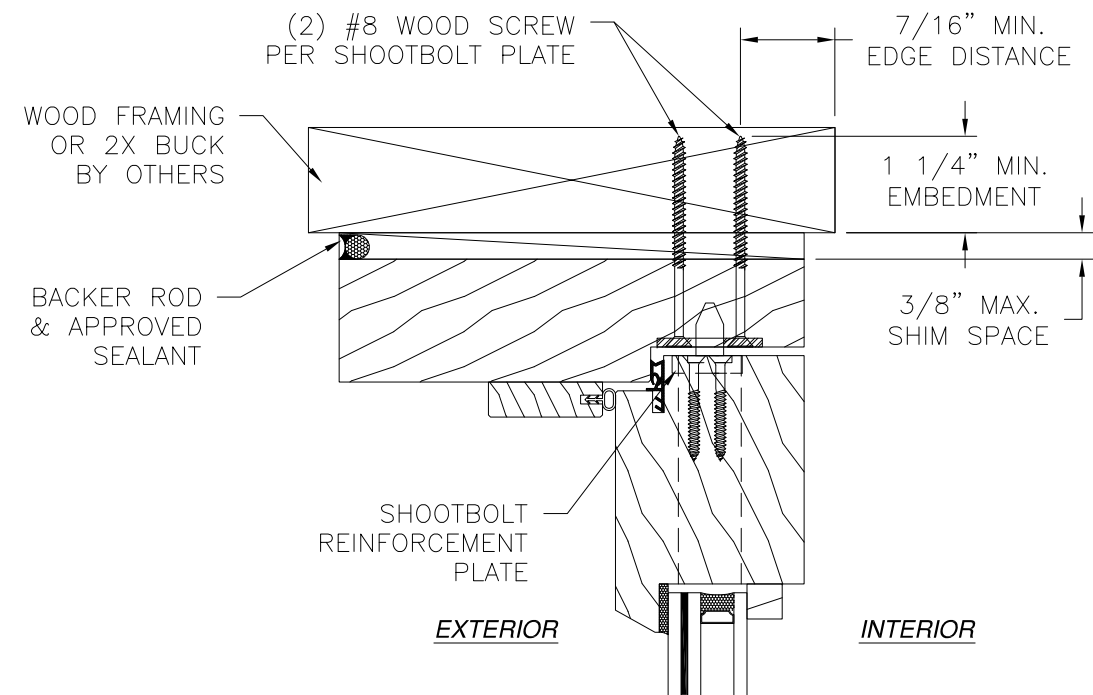
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SCALE NTS	DATE 11/20/19	SHEET 10 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

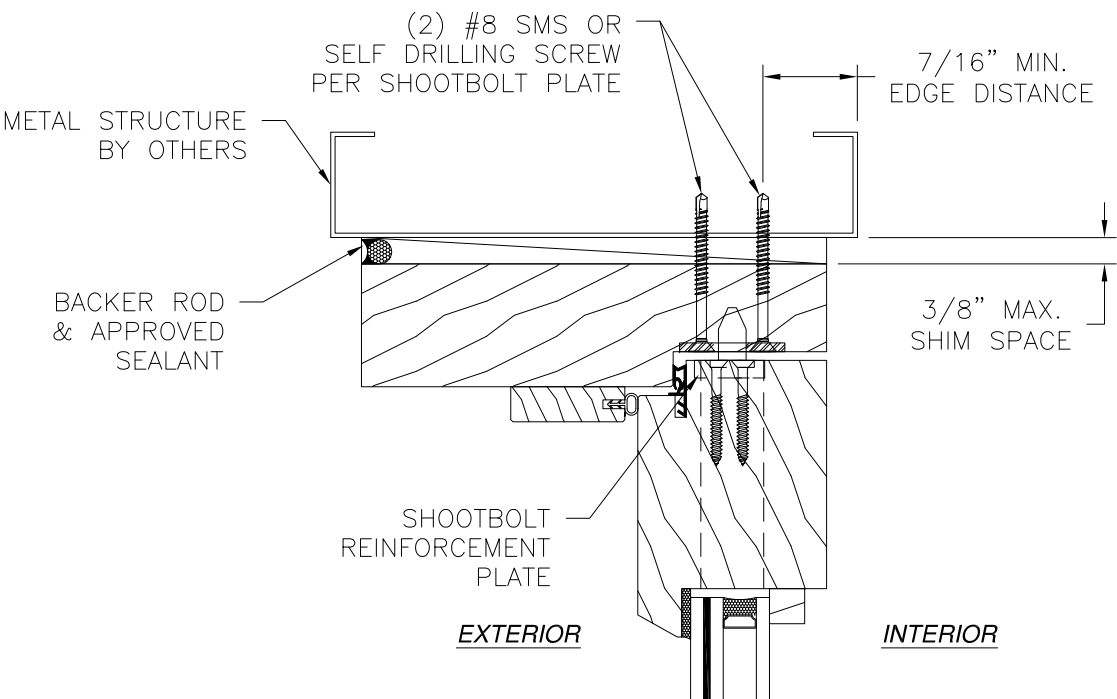


Luis R. Lomas P.E.
FL No.: 62514

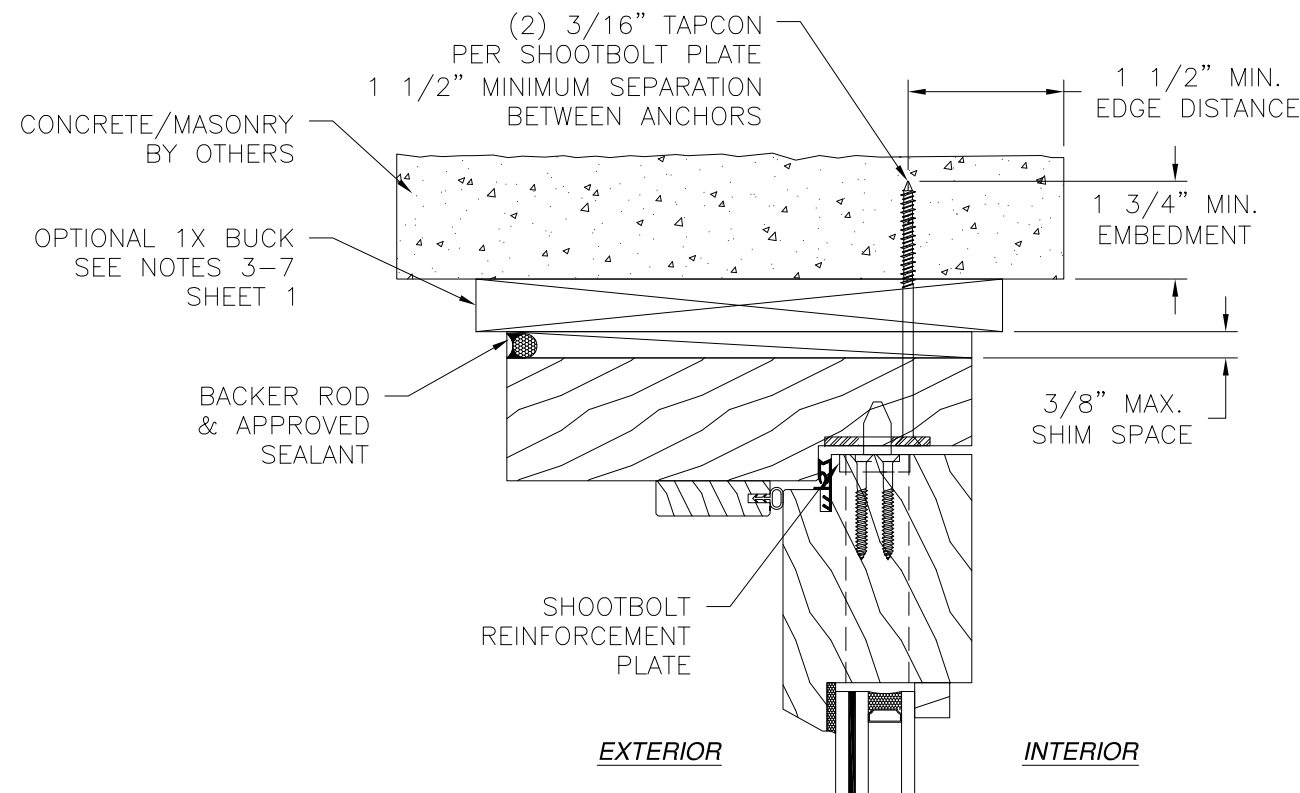
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/28/2020	R.L.



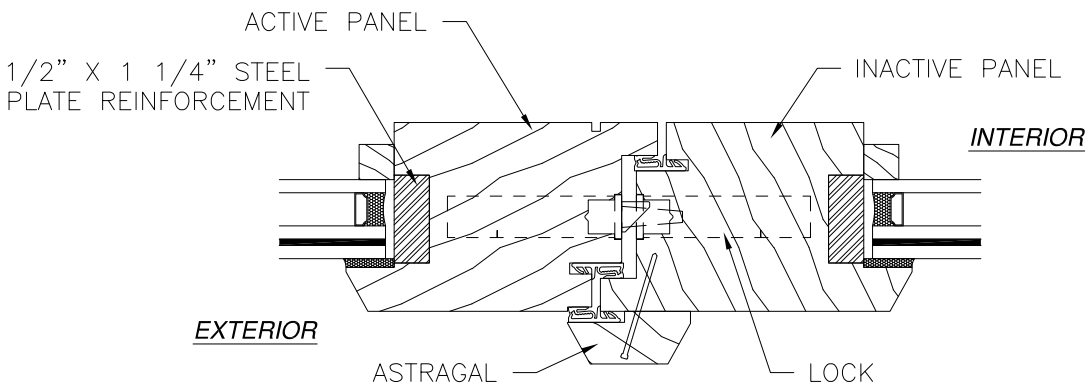
SHOOTBOLT STRIKE INSTALLATION
WOOD FRAME OR 2X BUCK



SHOOTBOLT STRIKE INSTALLATION
METAL STRUCTURE



SHOOTBOLT STRIKE INSTALLATION
CONCRETE/MASONRY

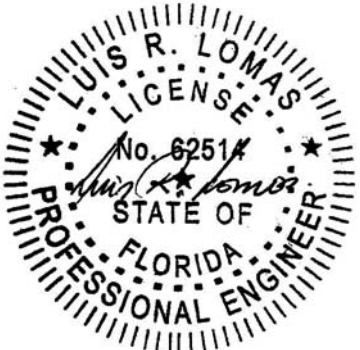


MEETING STILE CONNECTION

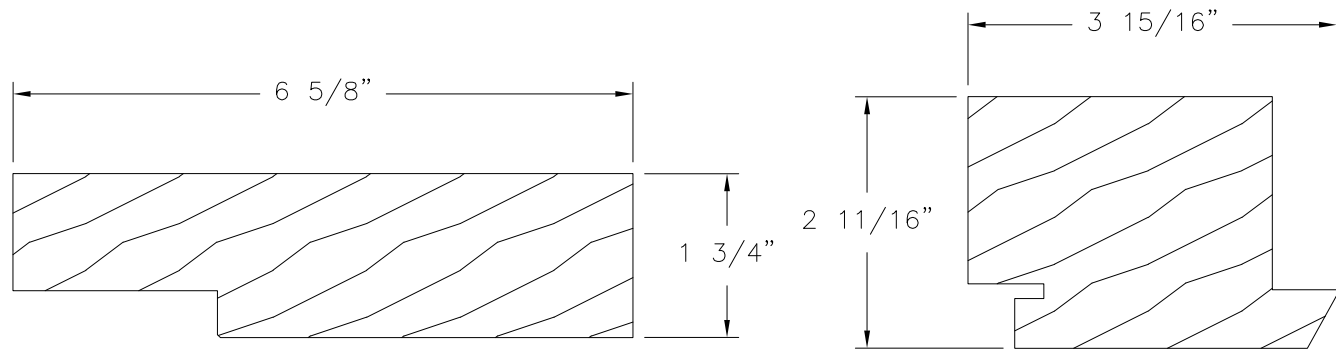
SIGNED: 01/29/2020

- 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

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
8200 WOOD SIDE-HINGED INSWING DOUBLE DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03521	REV A
SCALE NTS	DATE 11/20/19	SHEET 11 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

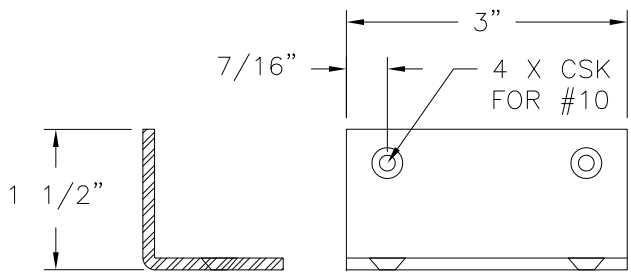


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FL No.: 62514

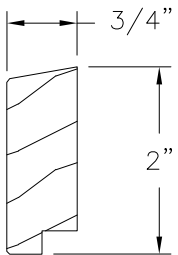


MAIN FRAME
MAHOGANY

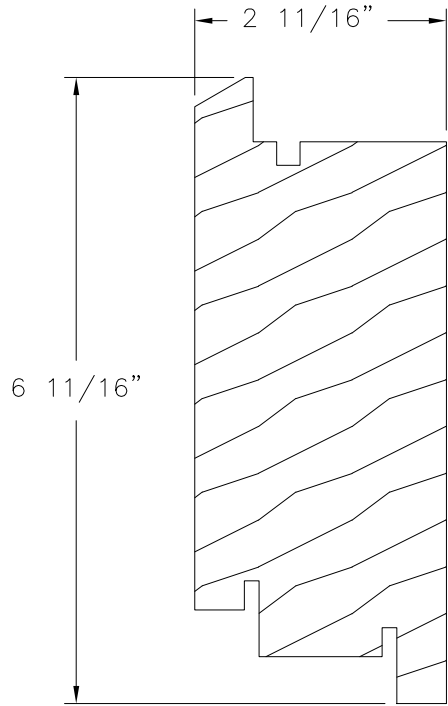
STILE AND TOP RAIL
MAHOGANY



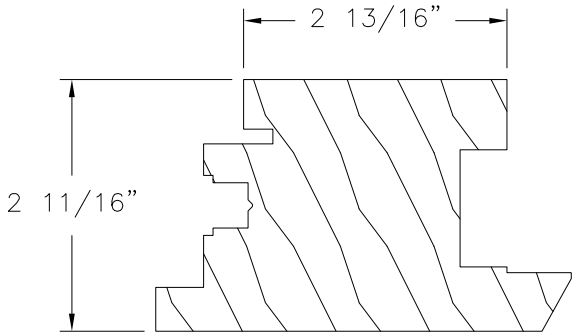
ANGLE
6063-T5 ALUMINUM 1/8" THICK



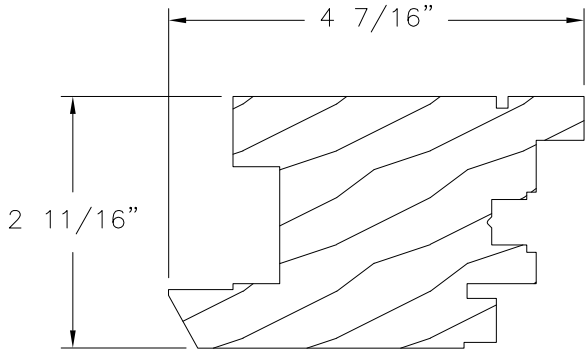
SILL DRIP CAP
MAHOGANY



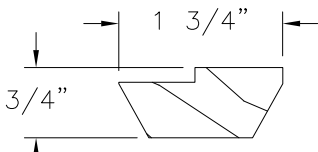
BOTTOM RAIL
MAHOGANY



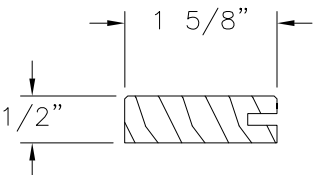
INACTIVE MEETING STILE
MAHOGANY



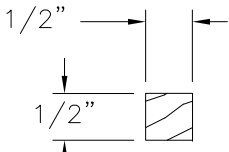
ACTIVE MEETING STILE
MAHOGANY



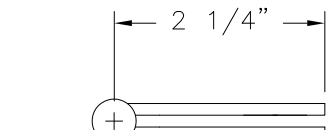
ASTRAGAL
MAHOGANY



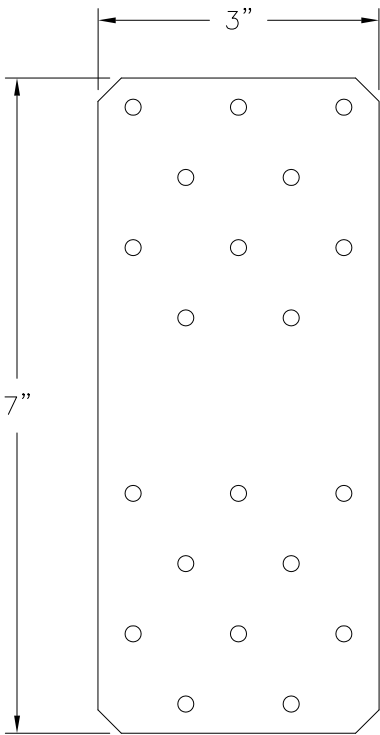
STOP
MAHOGANY



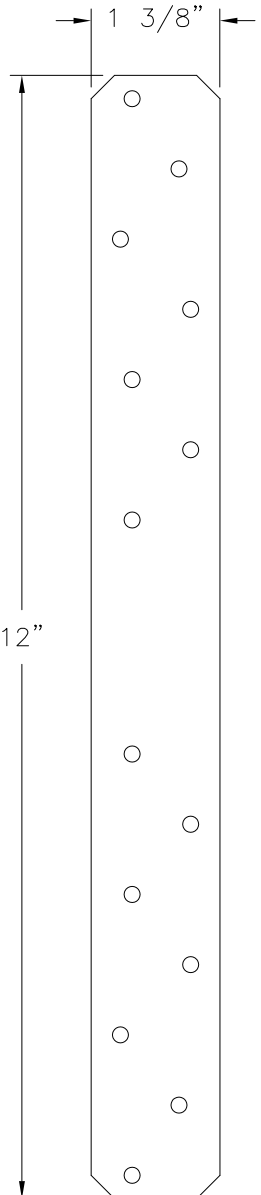
GLASS STOP
MAHOGANY



4 1/2" X 4 1/2" BUTT HINGE
BRASS

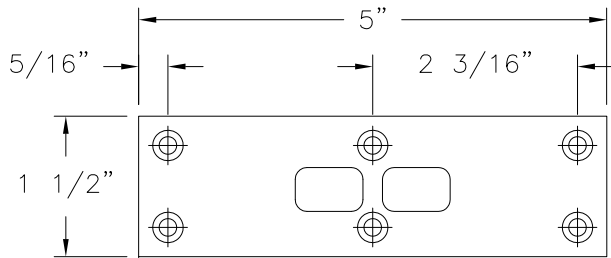


HTP37Z STRAP
GALVANIZED STEEL 16 GA

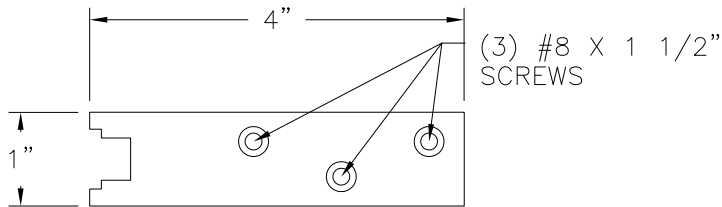


HRS12 STRAP
GALVANIZED STEEL 12 GA

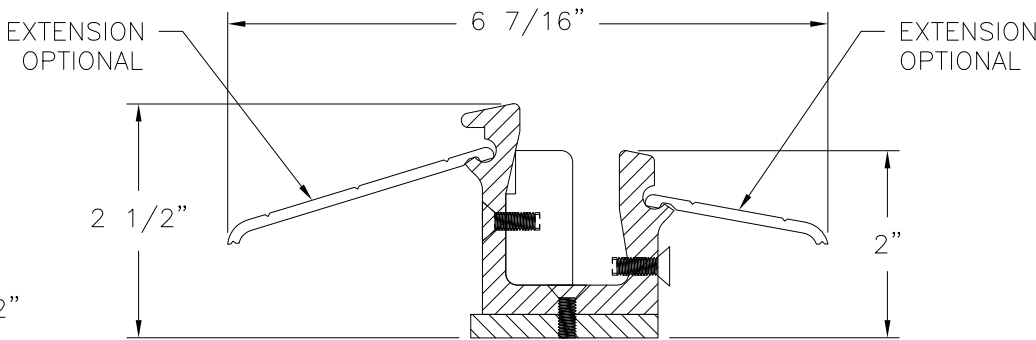
SIGNED: 01/29/2020



SHOOTBOLT PLATE
STAINLESS STEEL



SHOOTBOLT REINFORCEMENT PLATE
1/4" THICKNESS, STAINLESS STEEL



THRESHOLD ASSEMBLY

REVIVAL SASH
78 DIAMOND ROAD
SPRINGFIELD, NJ 07081

8200 WOOD SIDE-HINGED INSWING DOUBLE DOOR
IMPACT HVHZ
COMPONENTS

DRAWN: A.R.	DWG NO. 08-03521	REV A
SCALE NTS	DATE 11/20/19	SHEET 12 OF 12

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