

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

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. 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. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
13. 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.
14. 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.

15. 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.
16. 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.
17. FOR ANCHORING HRS12 STRAP INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 1 1/2” MINIMUM EMBEDMENT. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. 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.
19. 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.
20. 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.
21. FOR ANCHORING HTP37Z STRAP OR ANGLE CLIP 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.
22. ALL FASTENERS TO BE CORROSION RESISTANT.
23. 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

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATION
3 – 10	INSTALLATION DETAILS
11	COMPONENTS

REVIVAL SASH

78 DIAMOND ROAD

SPRINGFIELD, NJ 07081

7000 WOOD FIXED DOOR

IMPACT HVHZ

NOTES

DRAWN:

DWG NO.

REV

A.R.

08–03702

–

SCALE

DATE

SHEET

NTS

03/16/2021

1

OF

11

L. ROBERTO LOMAS P.E.

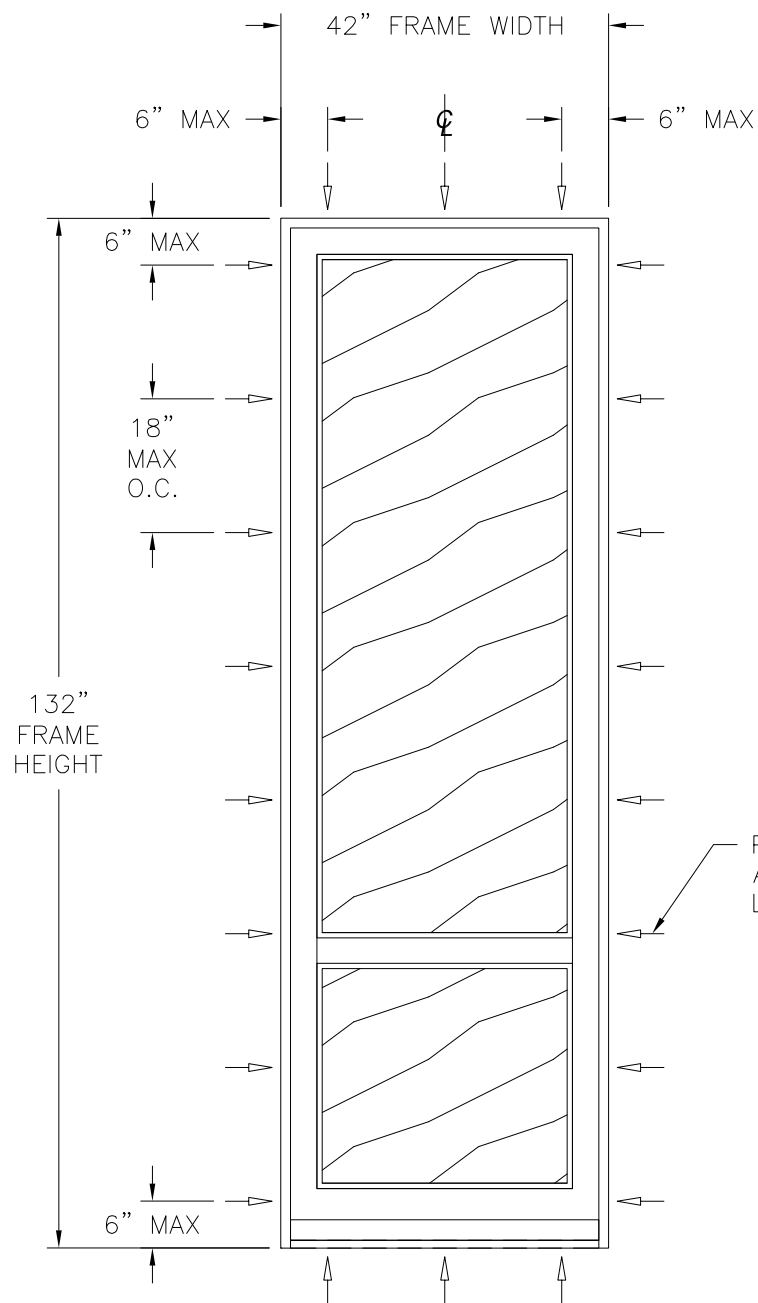
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

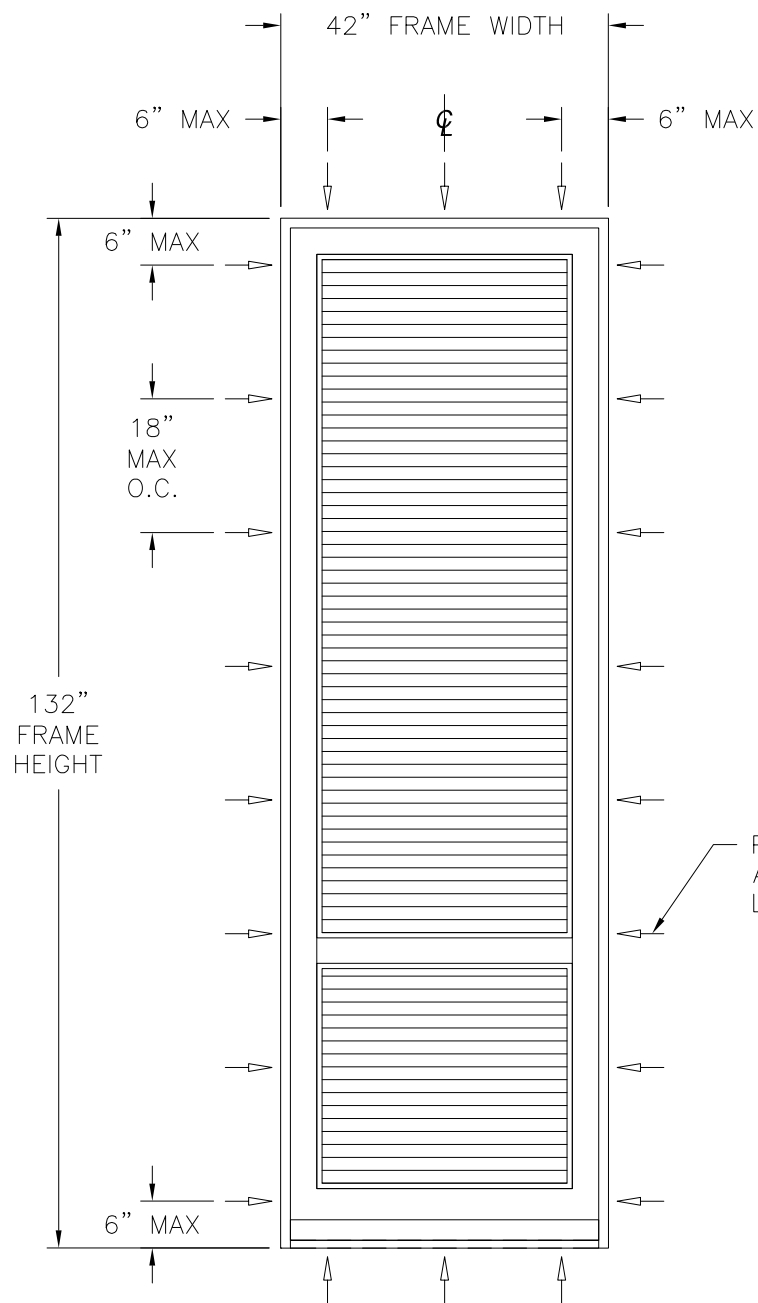
SIGNED: 03/31/2021



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



7000 WOOD FIXED DOOR IMPACT-HVHZ
EXTERIOR VIEW



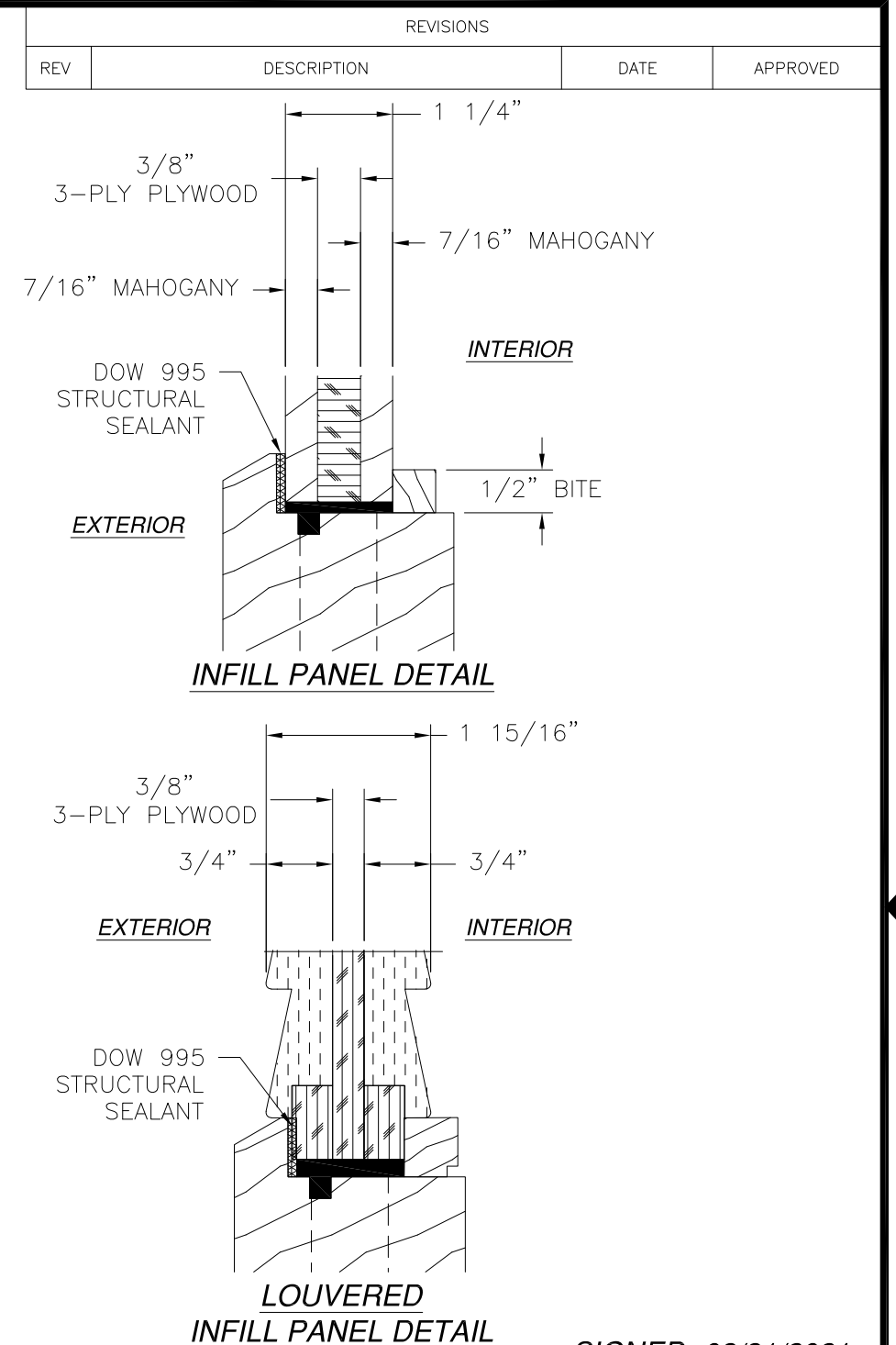
7000 LOUVERED FIXED DOOR IMPACT-HVHZ
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
42" X 132" UNIT SHOWN. OTHER SIZES ARE APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 38.5 FT²

NOTES:

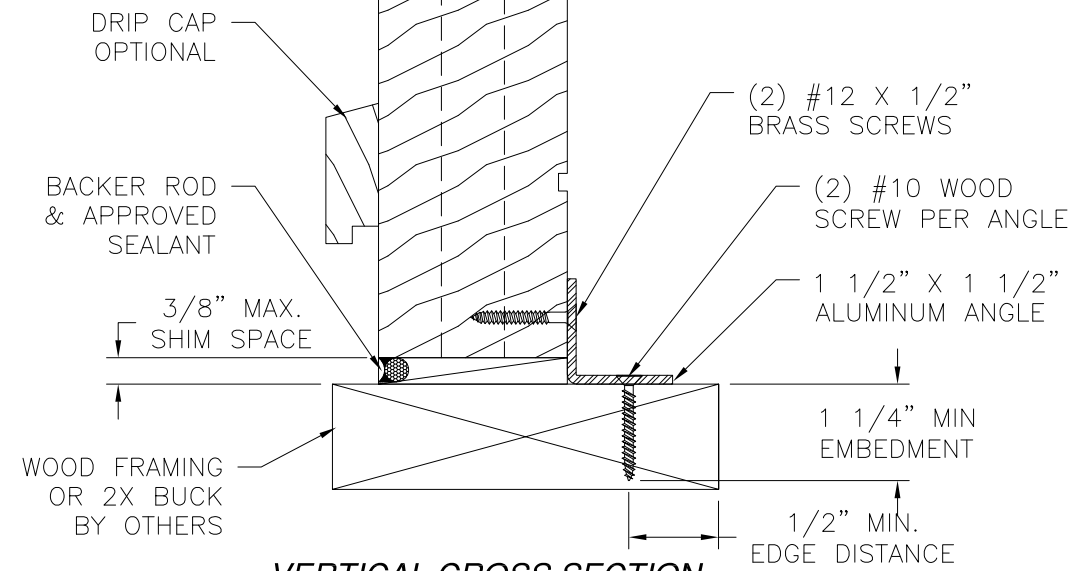
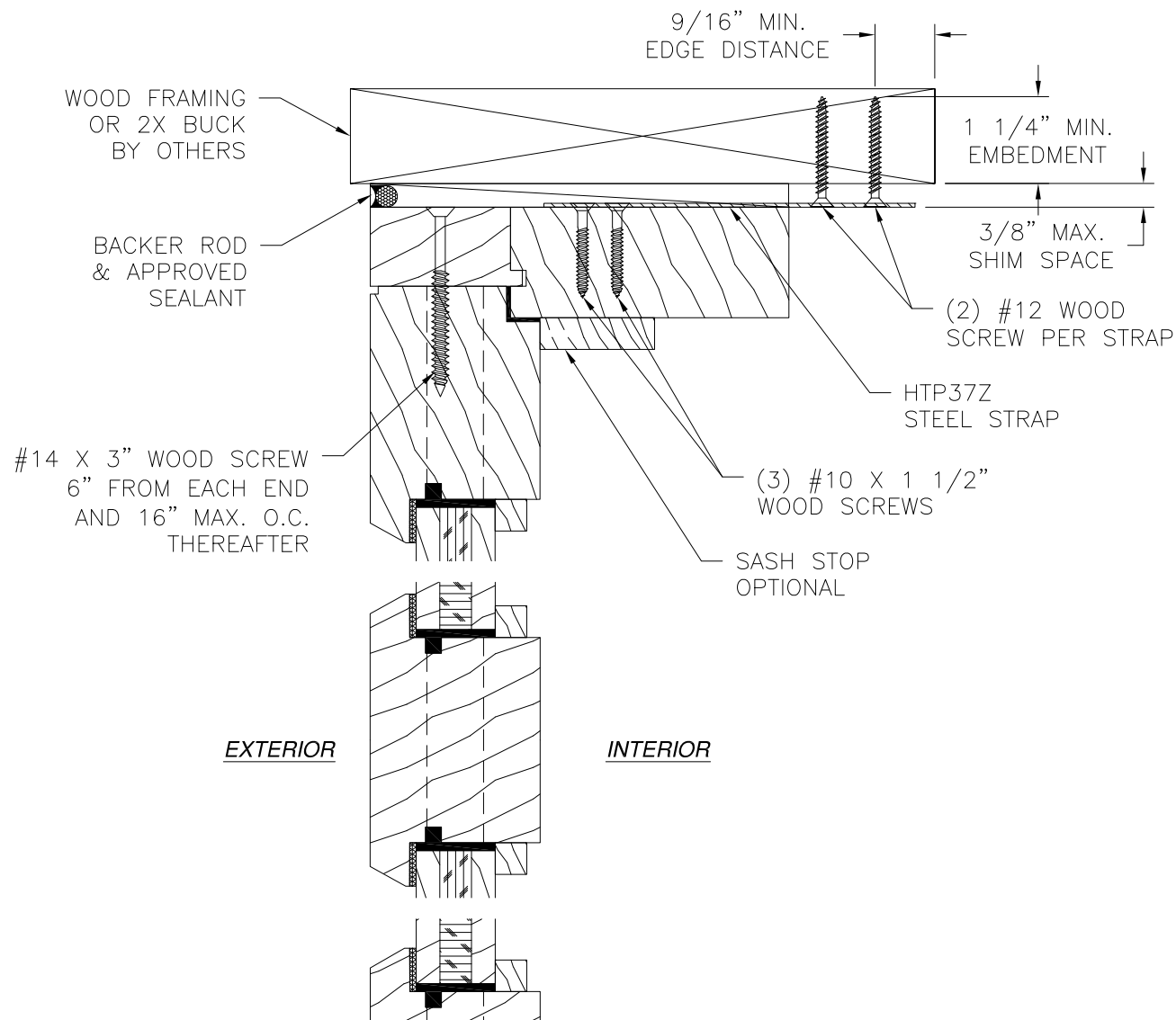
- PANEL SIZE: 39 1/8" X 130 1/2"
- TOP INFILL PANEL SIZE: 32 3/4" X 87 5/8"
- BOTTOM INFILL PANEL SIZE: 32 3/4" X 28 7/8"



SIGNED: 03/31/2021

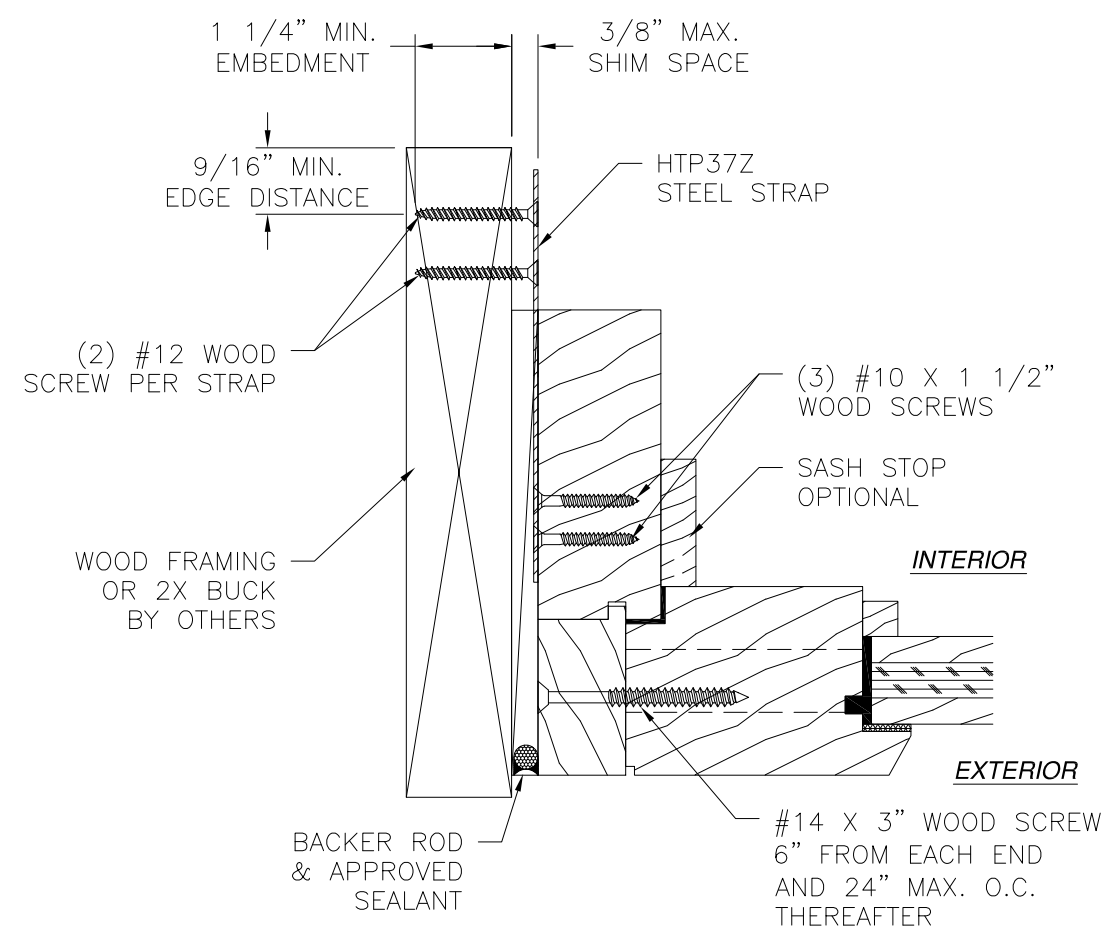
REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ ELEVATION		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 2 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

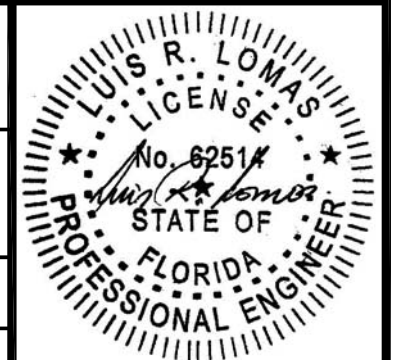


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION
WITH HTP37Z STEEL STRAP

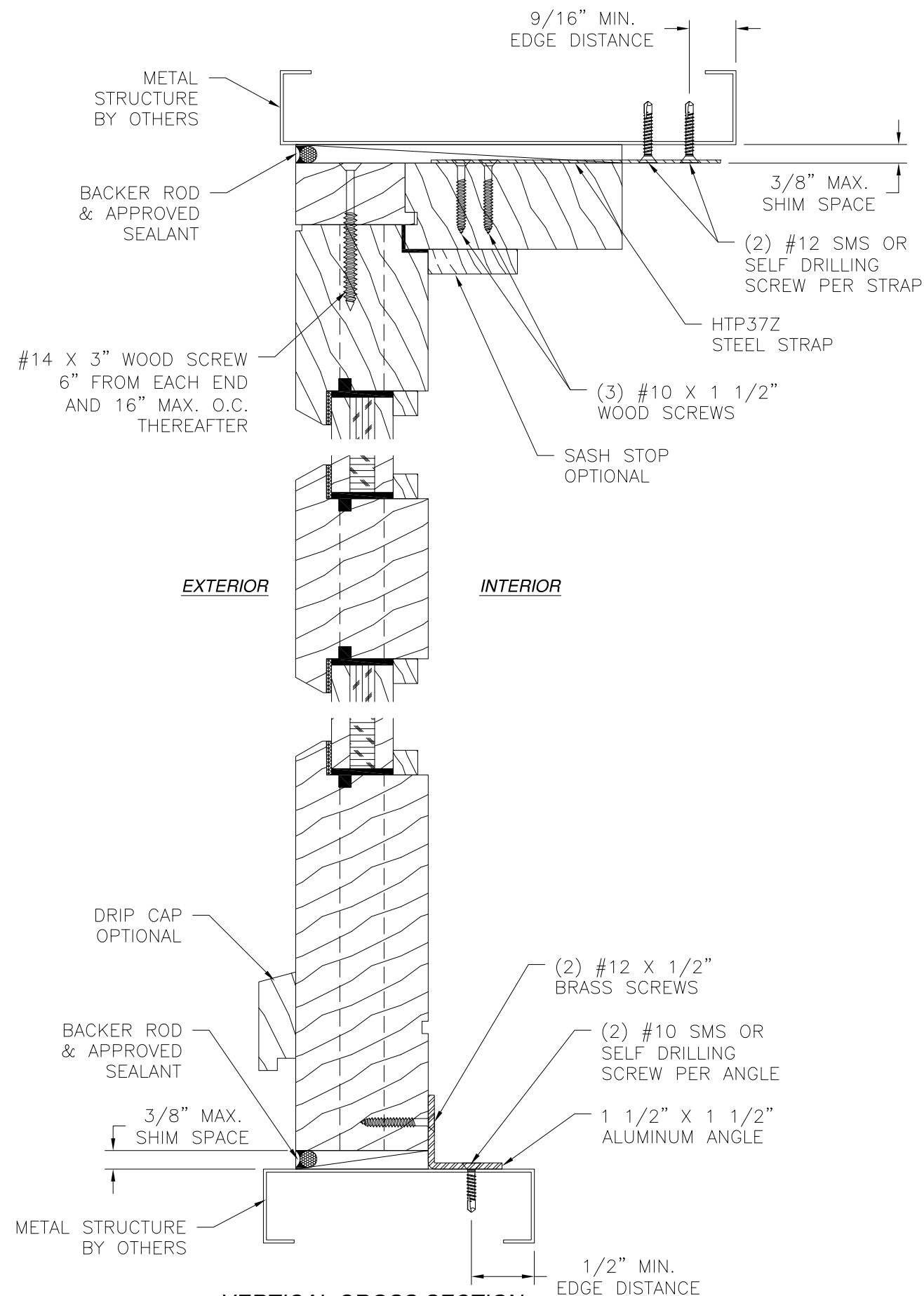
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 03/31/2021

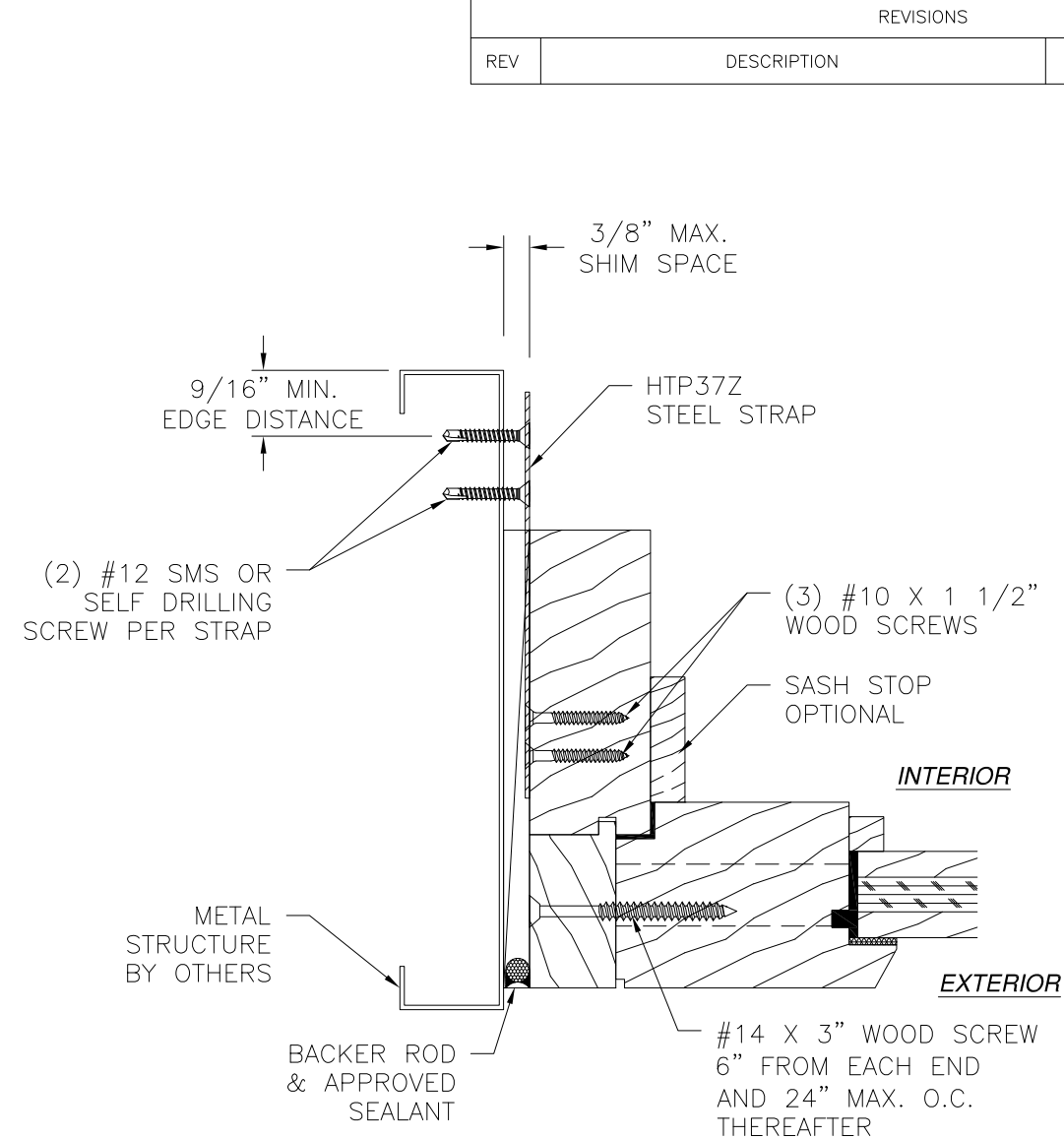
REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 3 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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



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

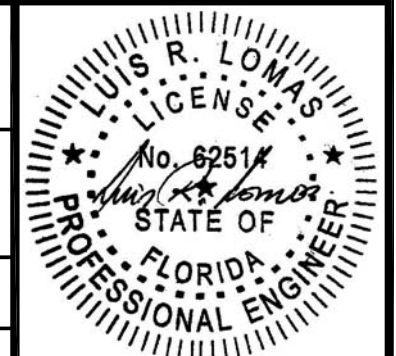


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION
WITH HTP37Z STEEL STRAP

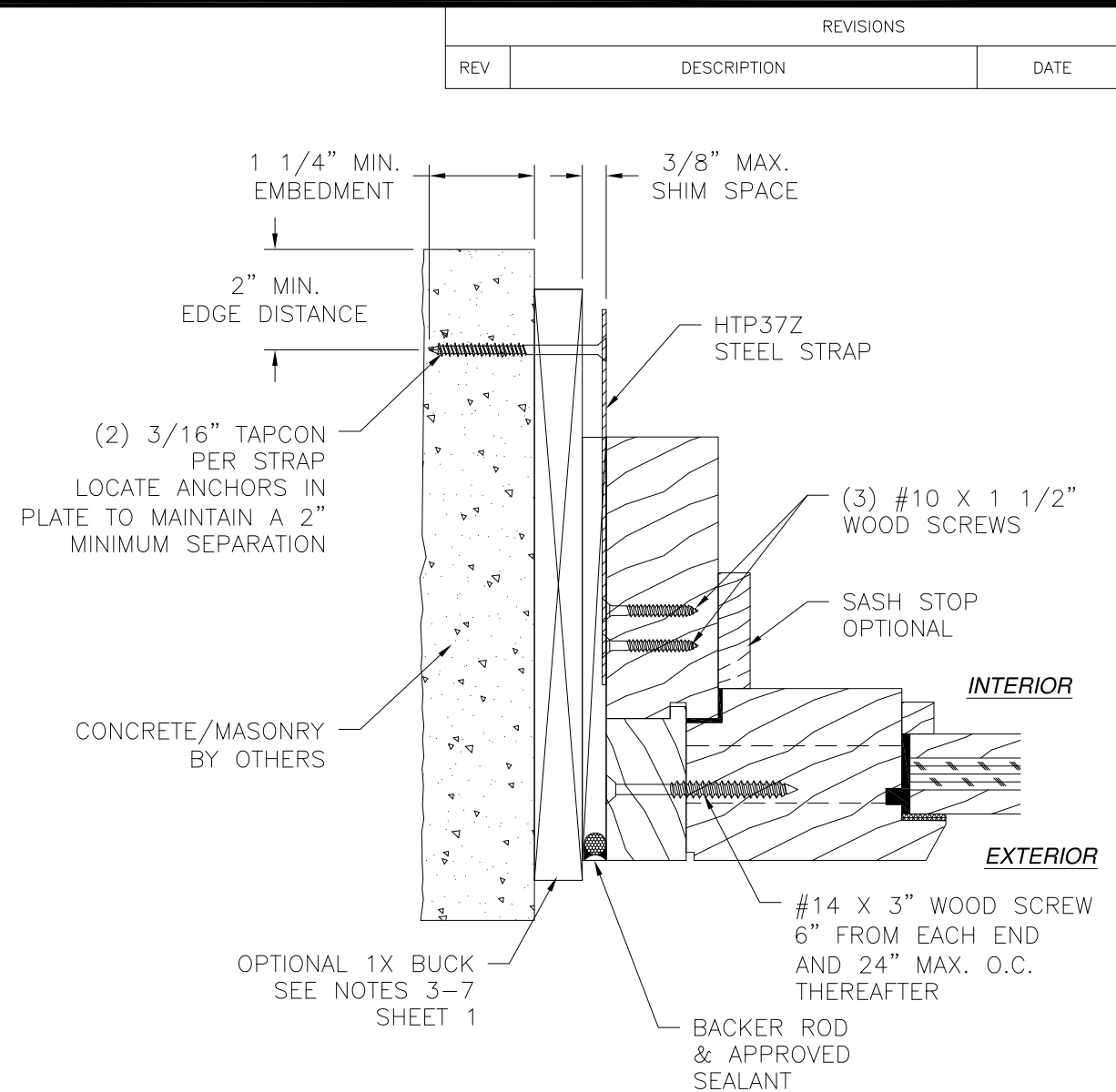
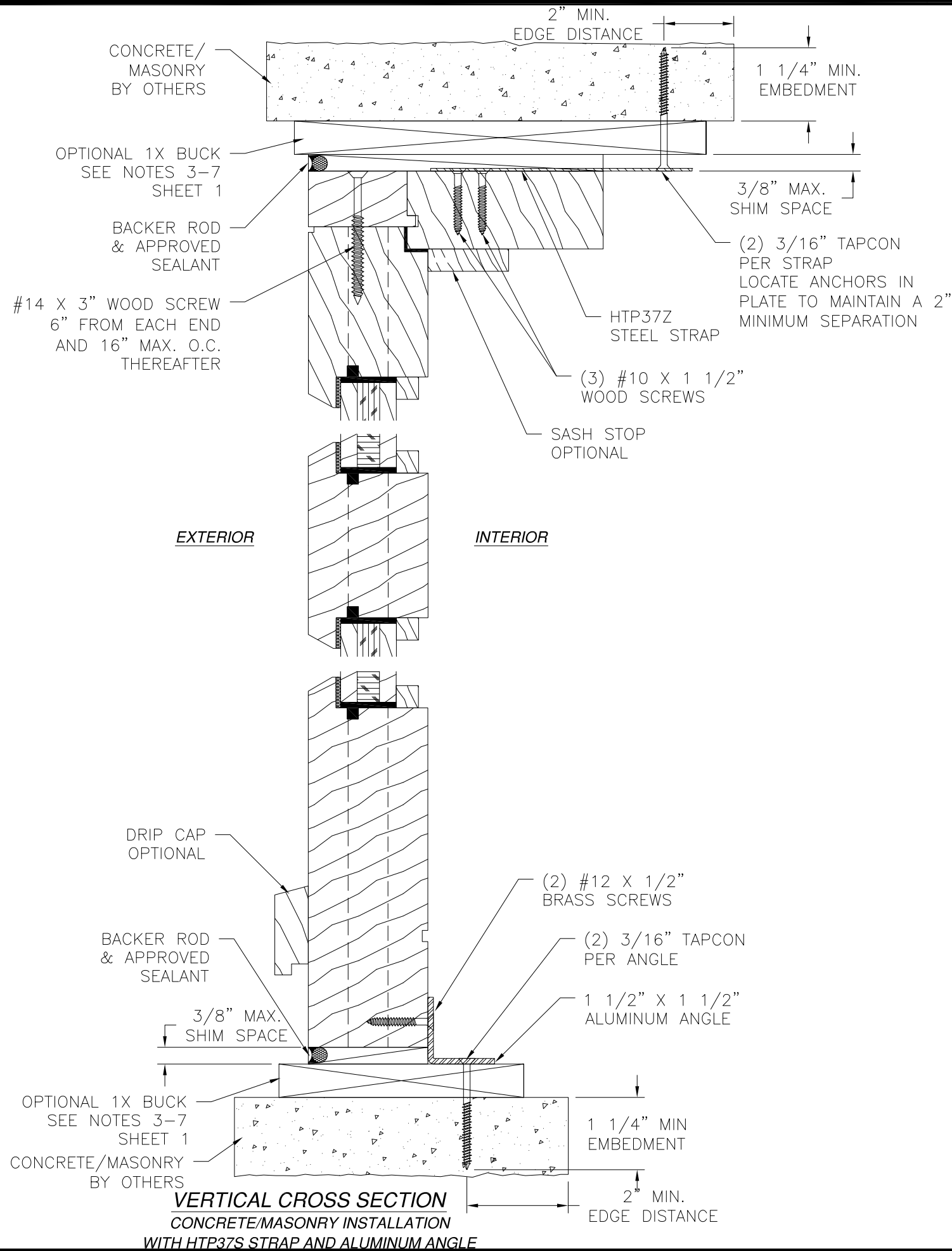
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 03/31/2021

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 4 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

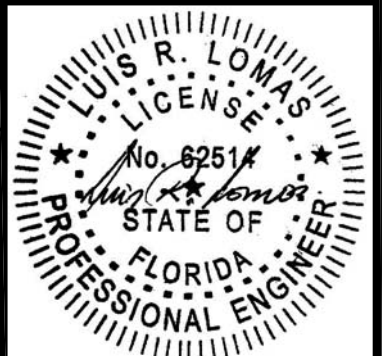


NOTES:

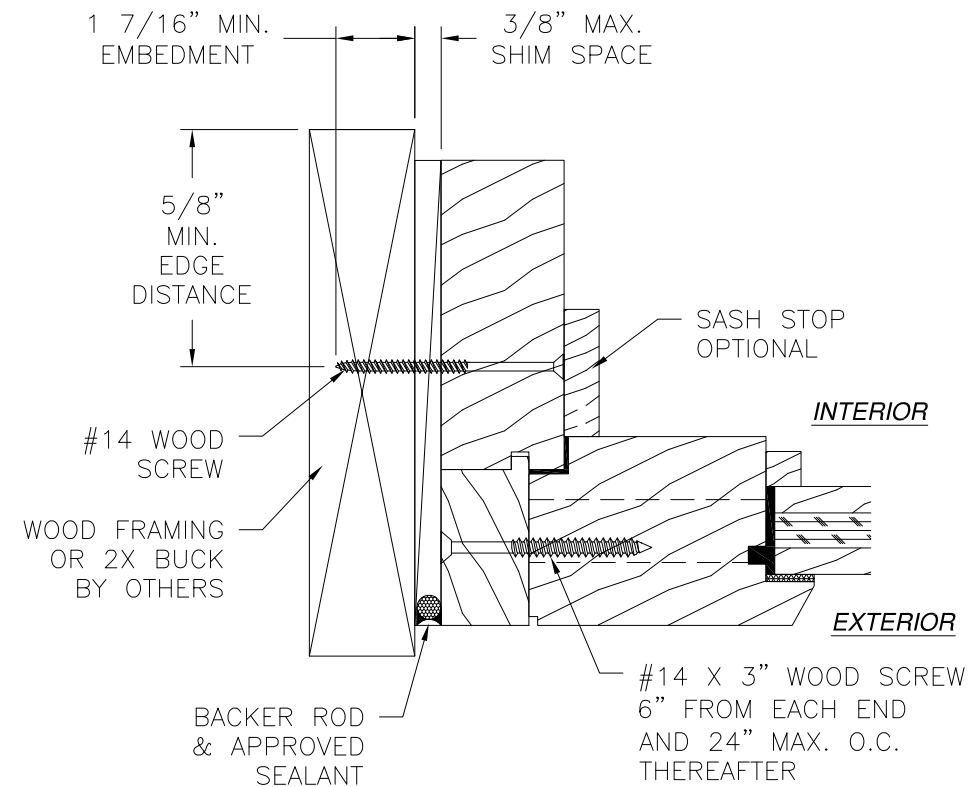
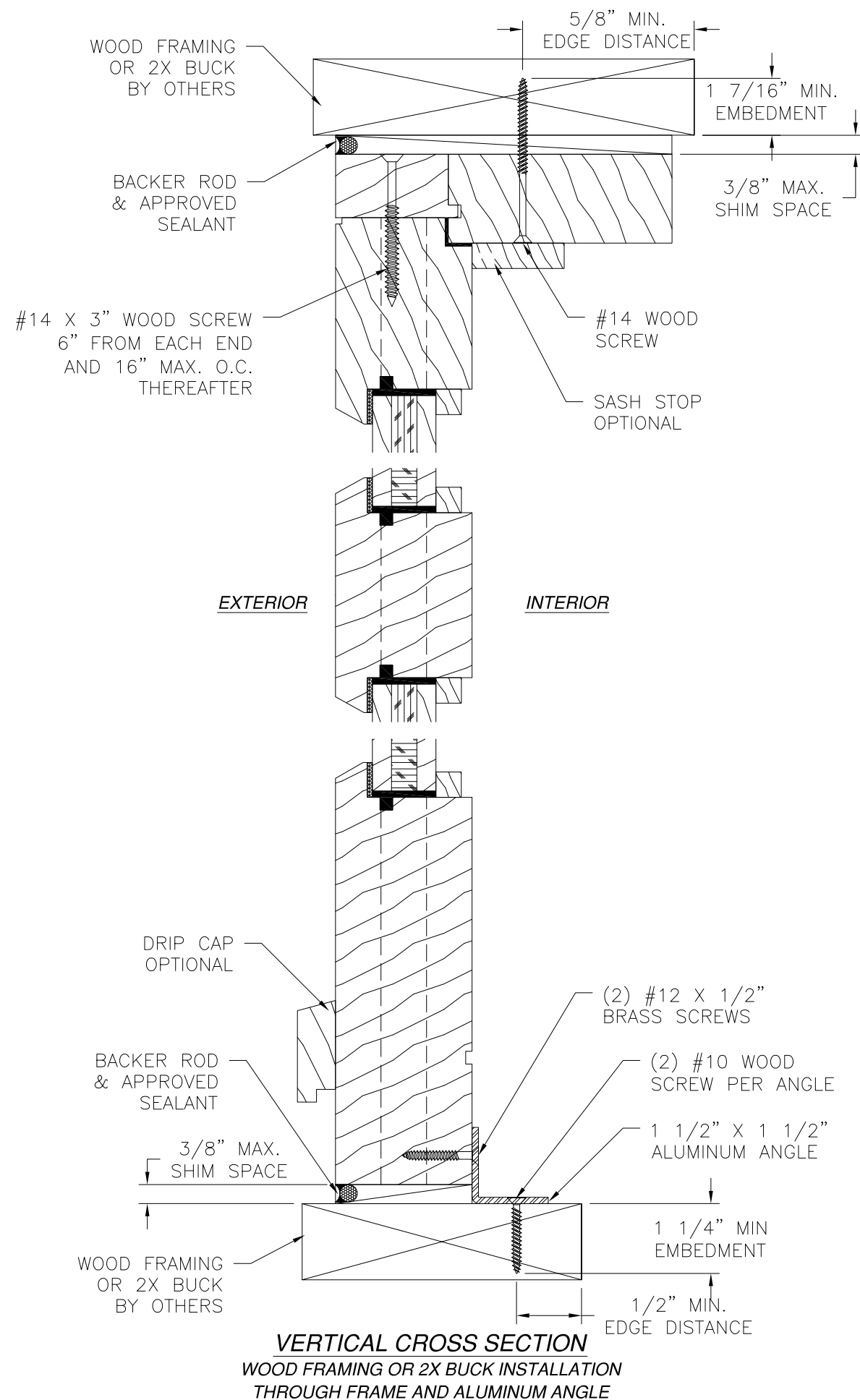
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 03/31/2021

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 5 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

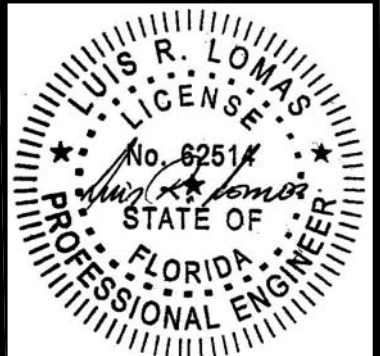


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION THROUGH FRAME

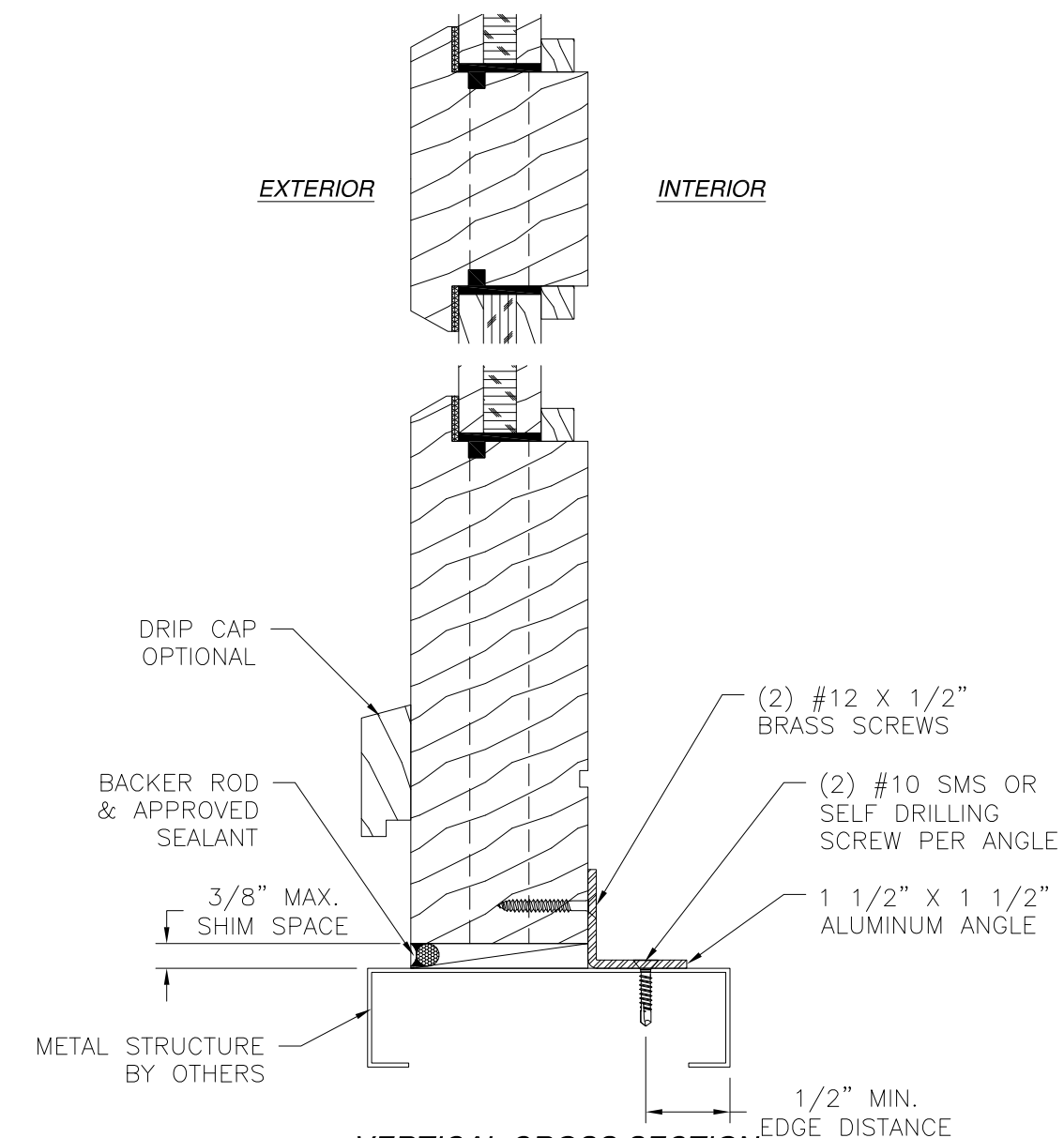
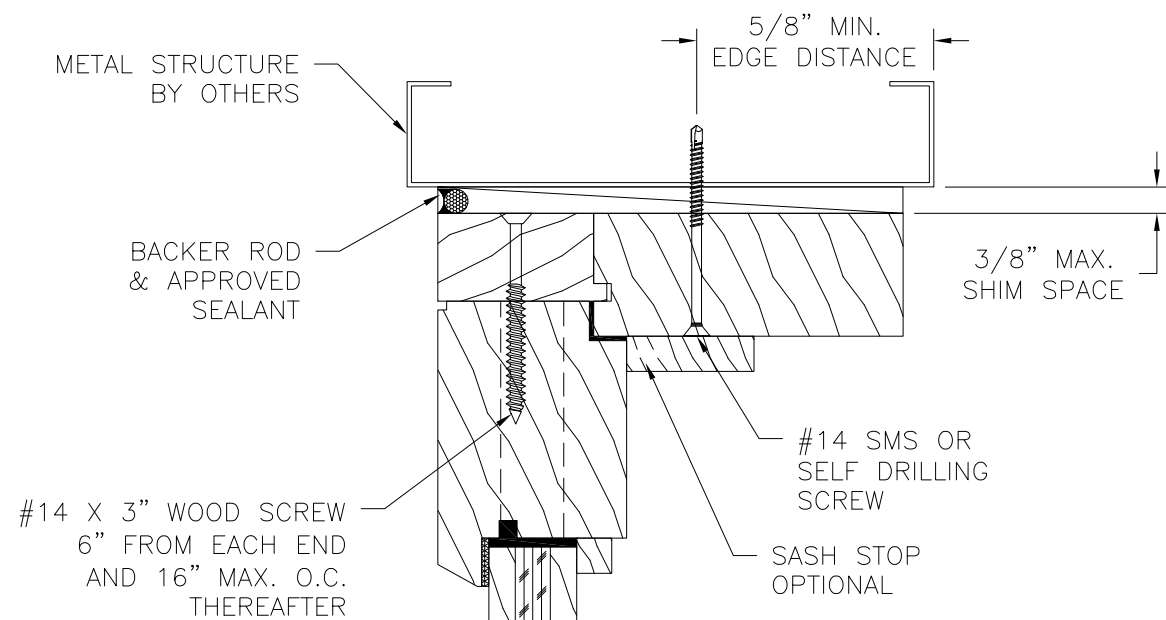
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 6 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

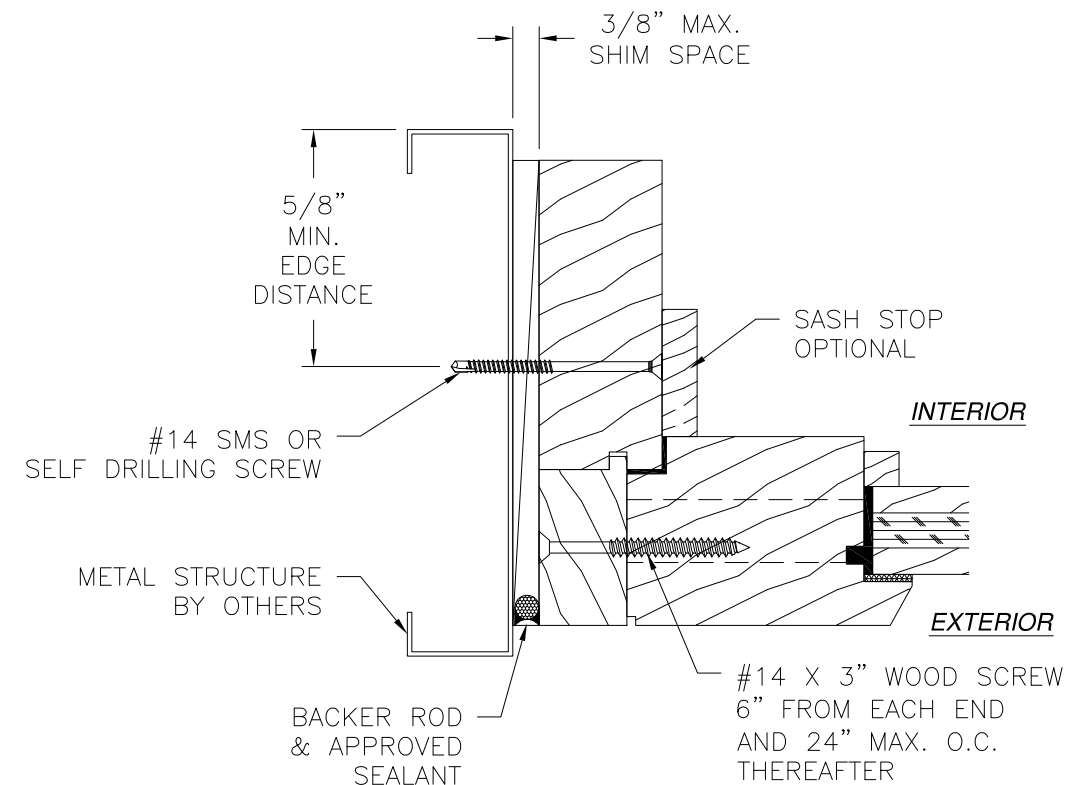
SIGNED: 03/31/2021



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



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION
THROUGH FRAME AND ALUMINUM ANGLE

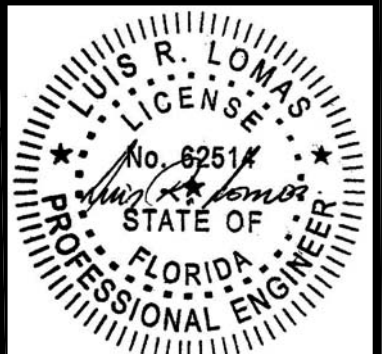


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

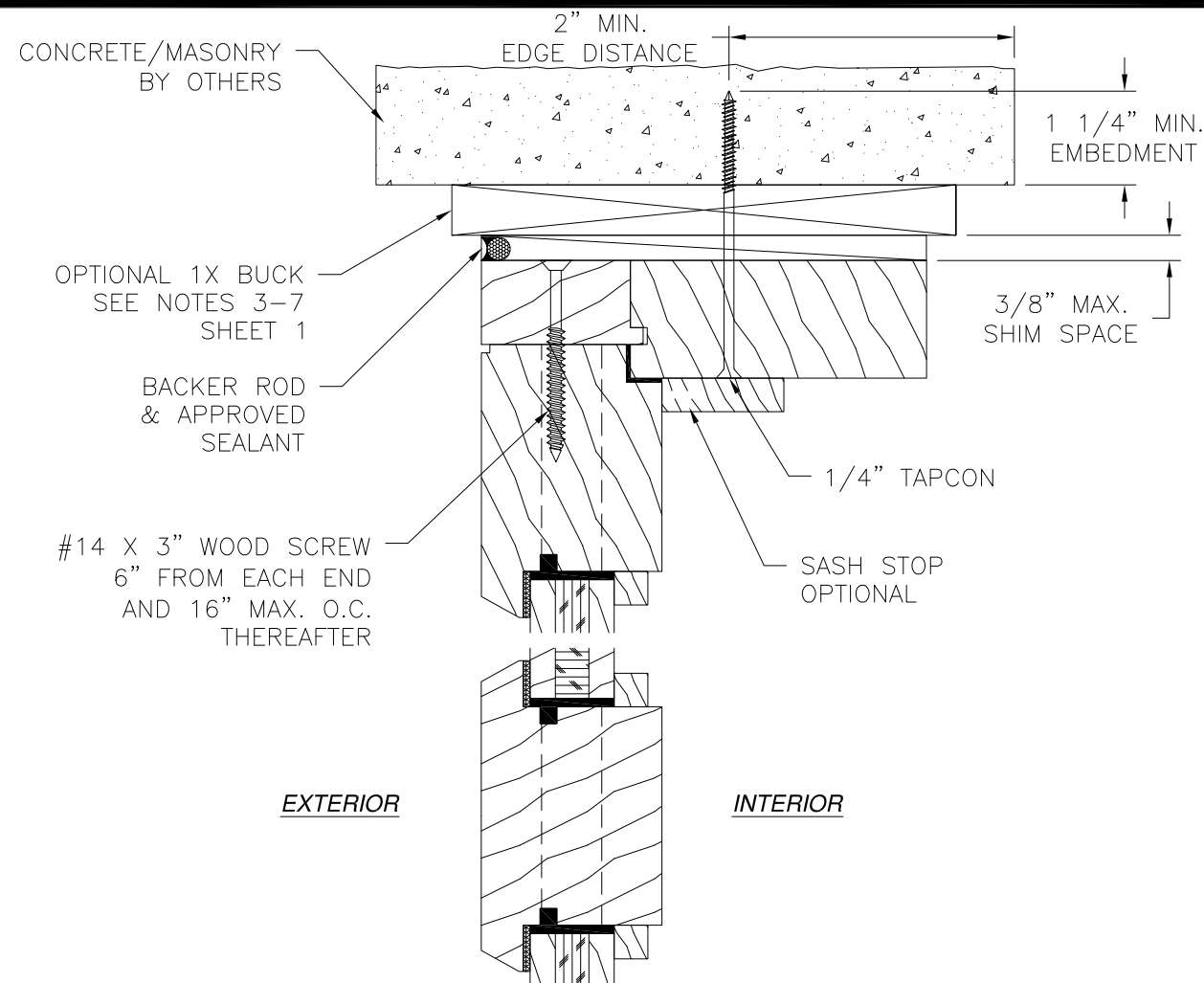
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 03/31/2021

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 7 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

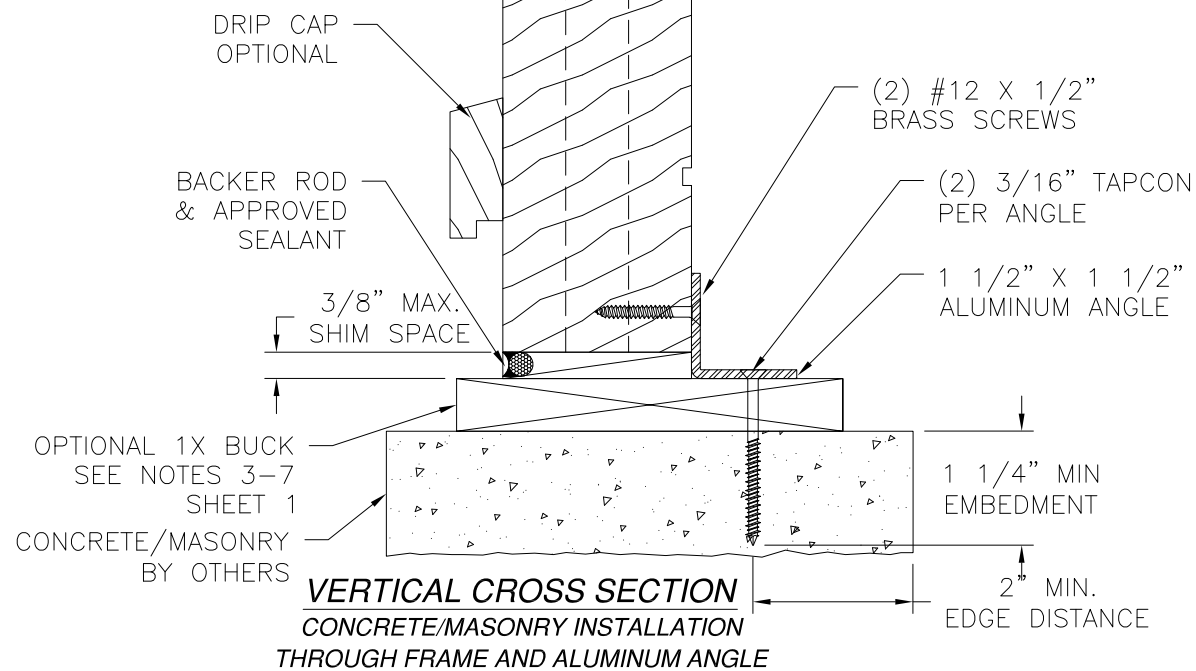


Luis R. Lomas P.E.
FL No.: 62514



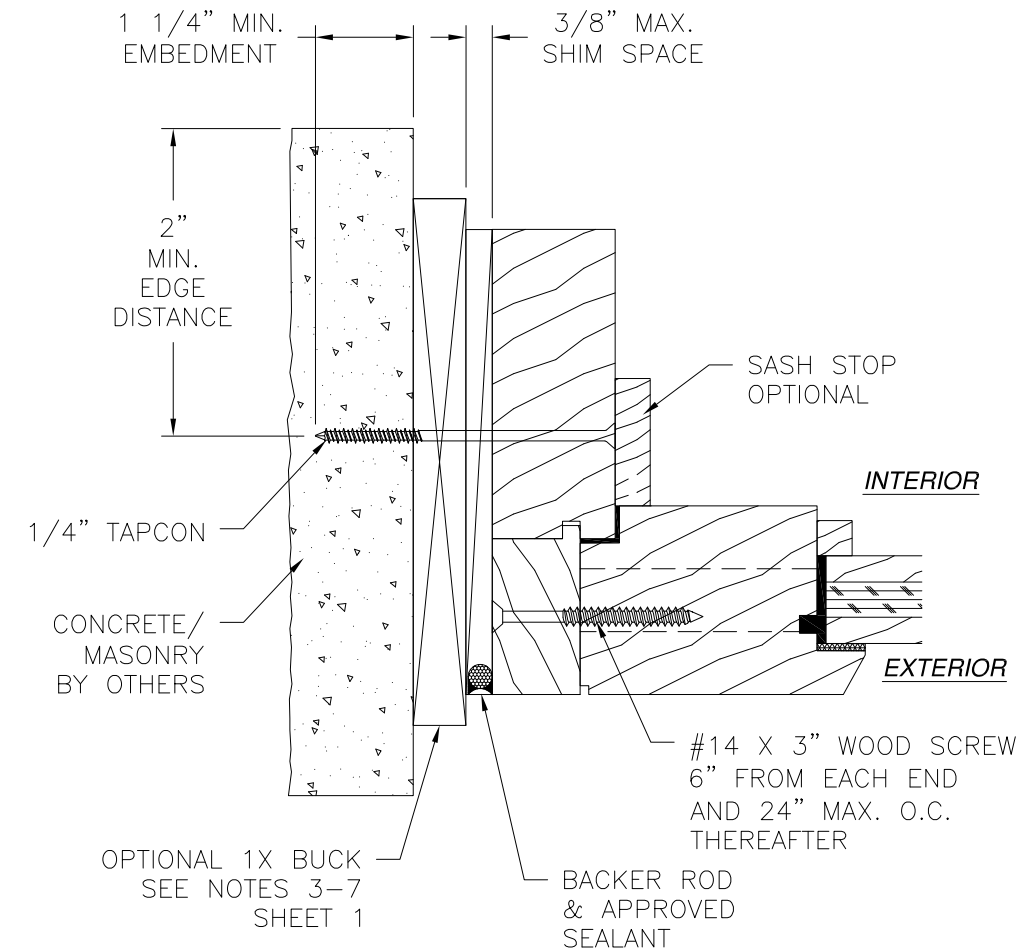
EXTERIOR

INTERIOR



**VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION
THROUGH FRAME AND ALUMINUM ANGLE**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



INTERIOR

EXTERIOR

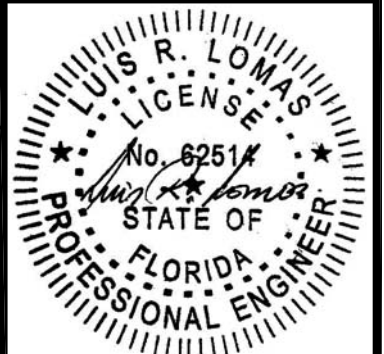
**JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION**

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

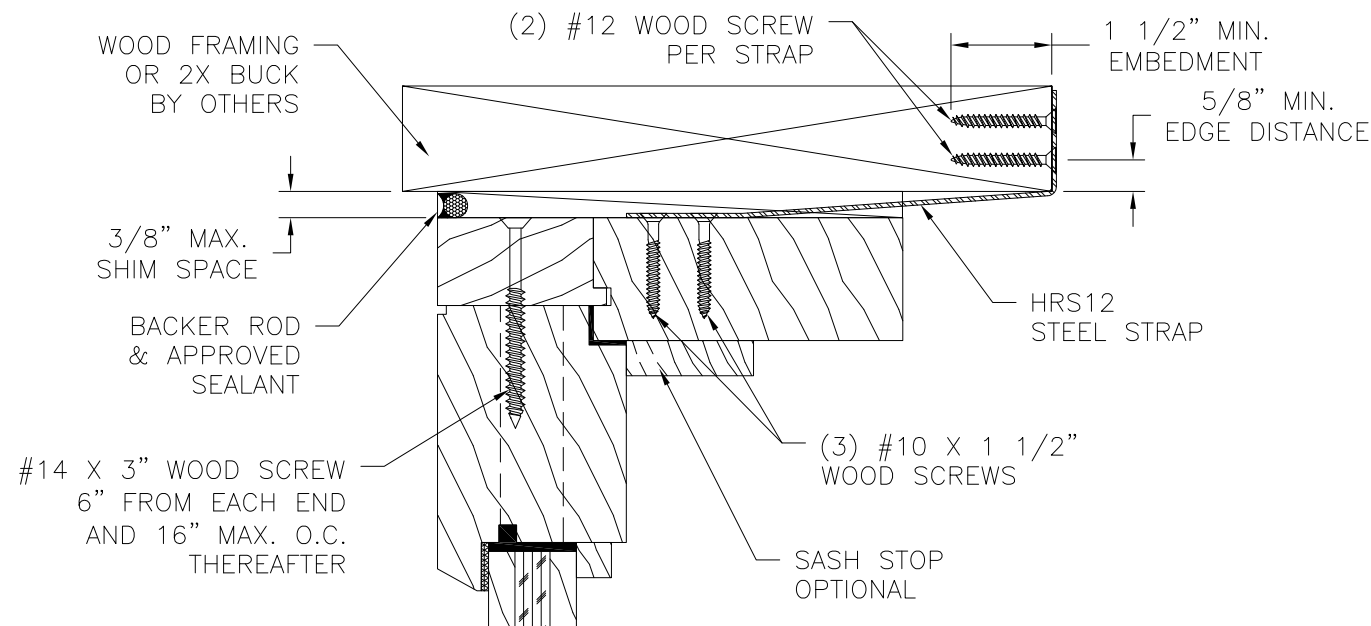
SIGNED: 03/31/2021

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 8 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



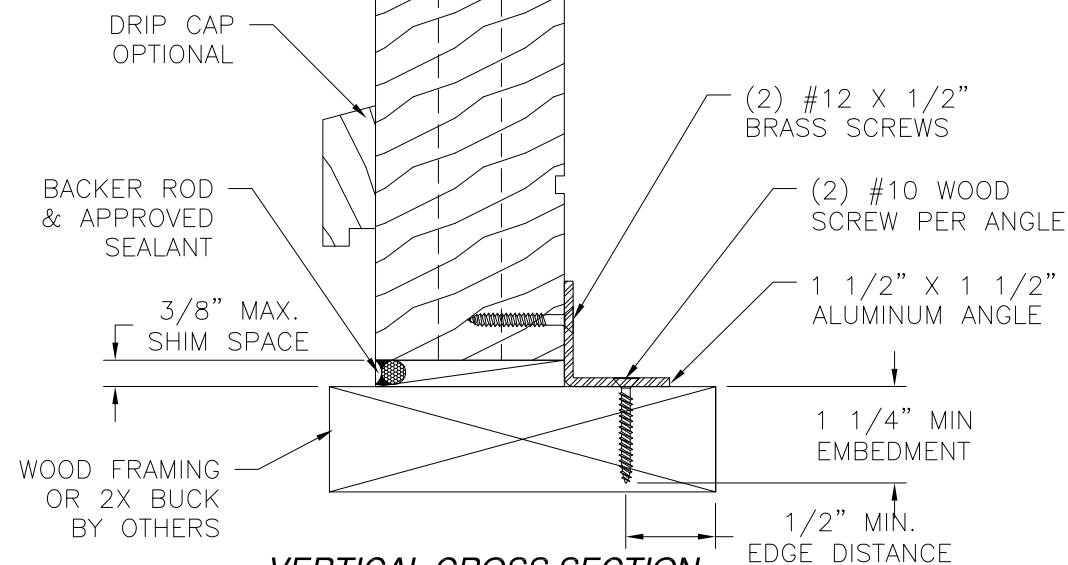
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

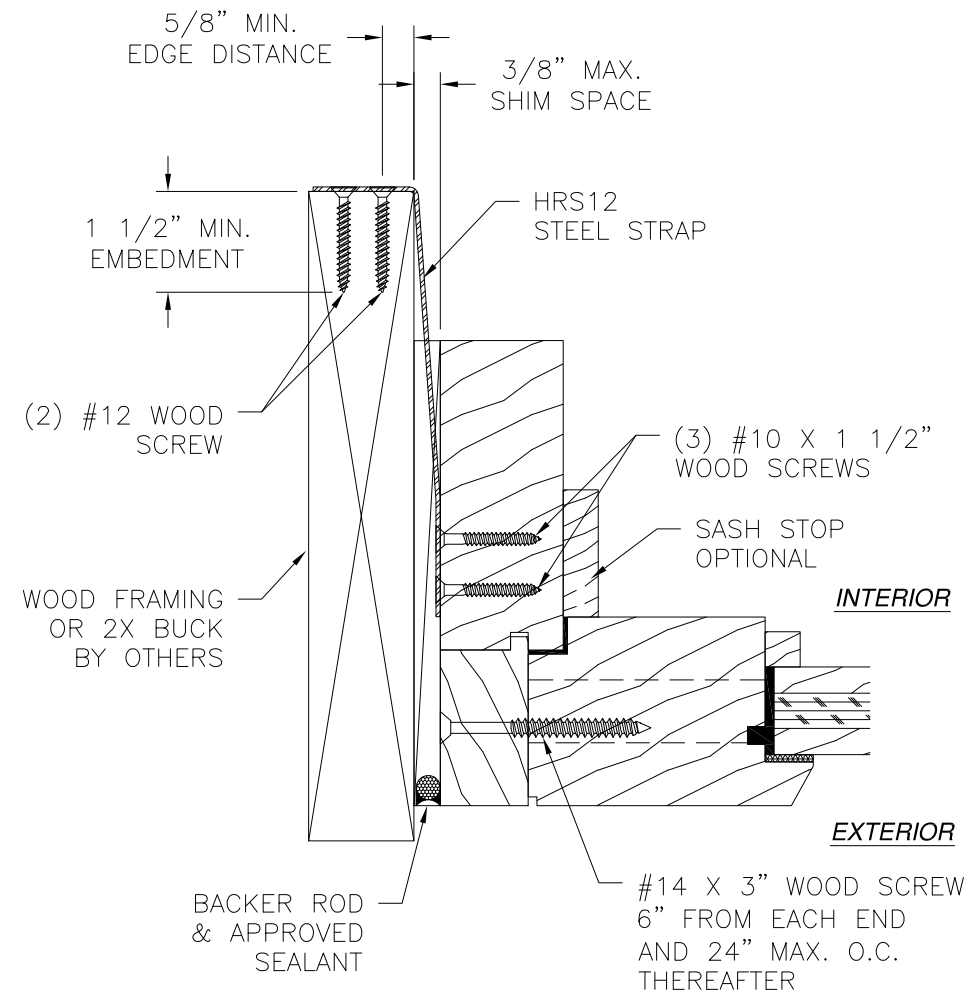


EXTERIOR

INTERIOR



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

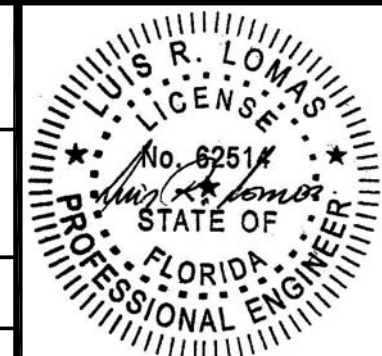


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION
WITH HRS12 STEEL STRAP

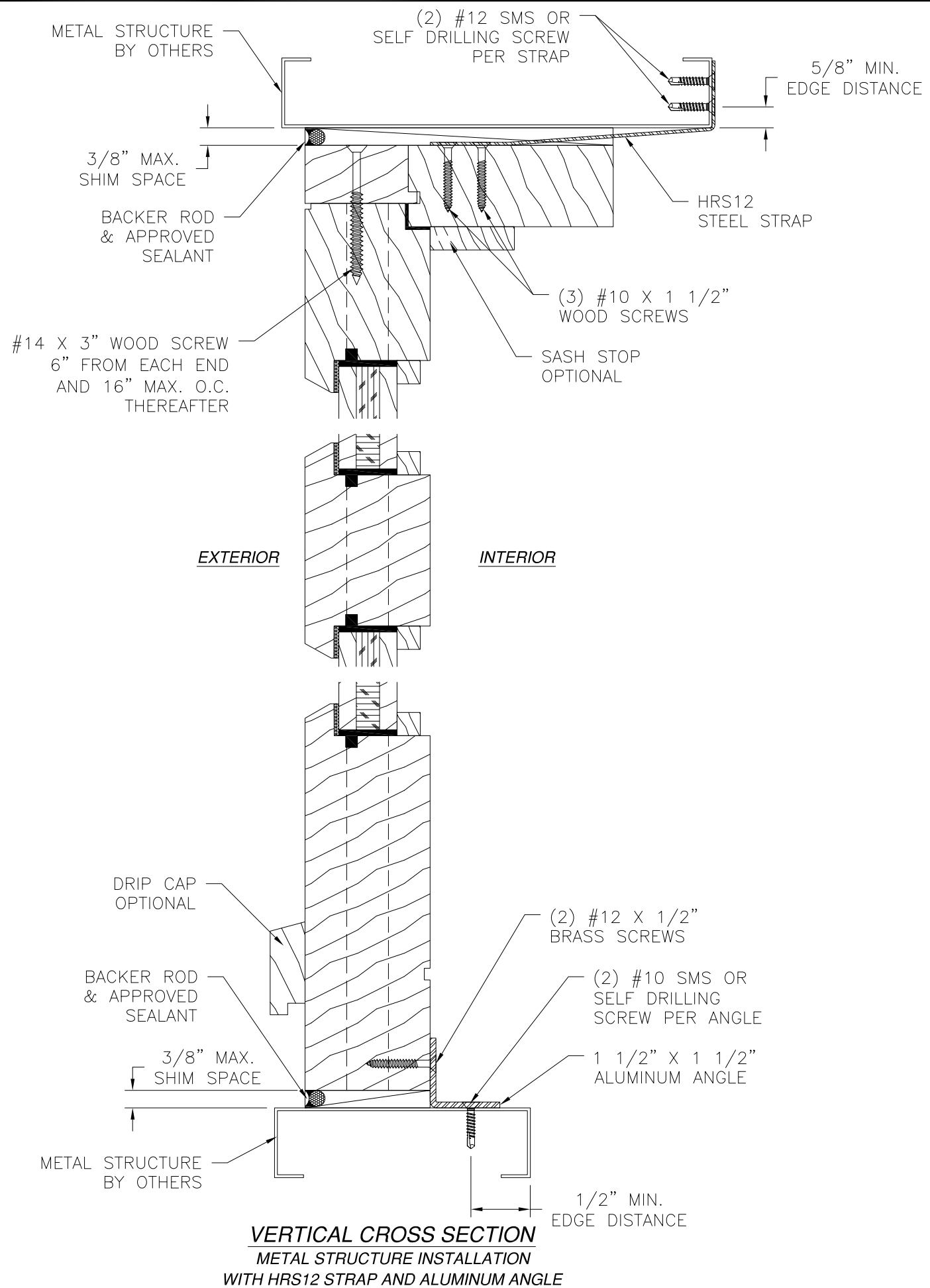
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 03/31/2021

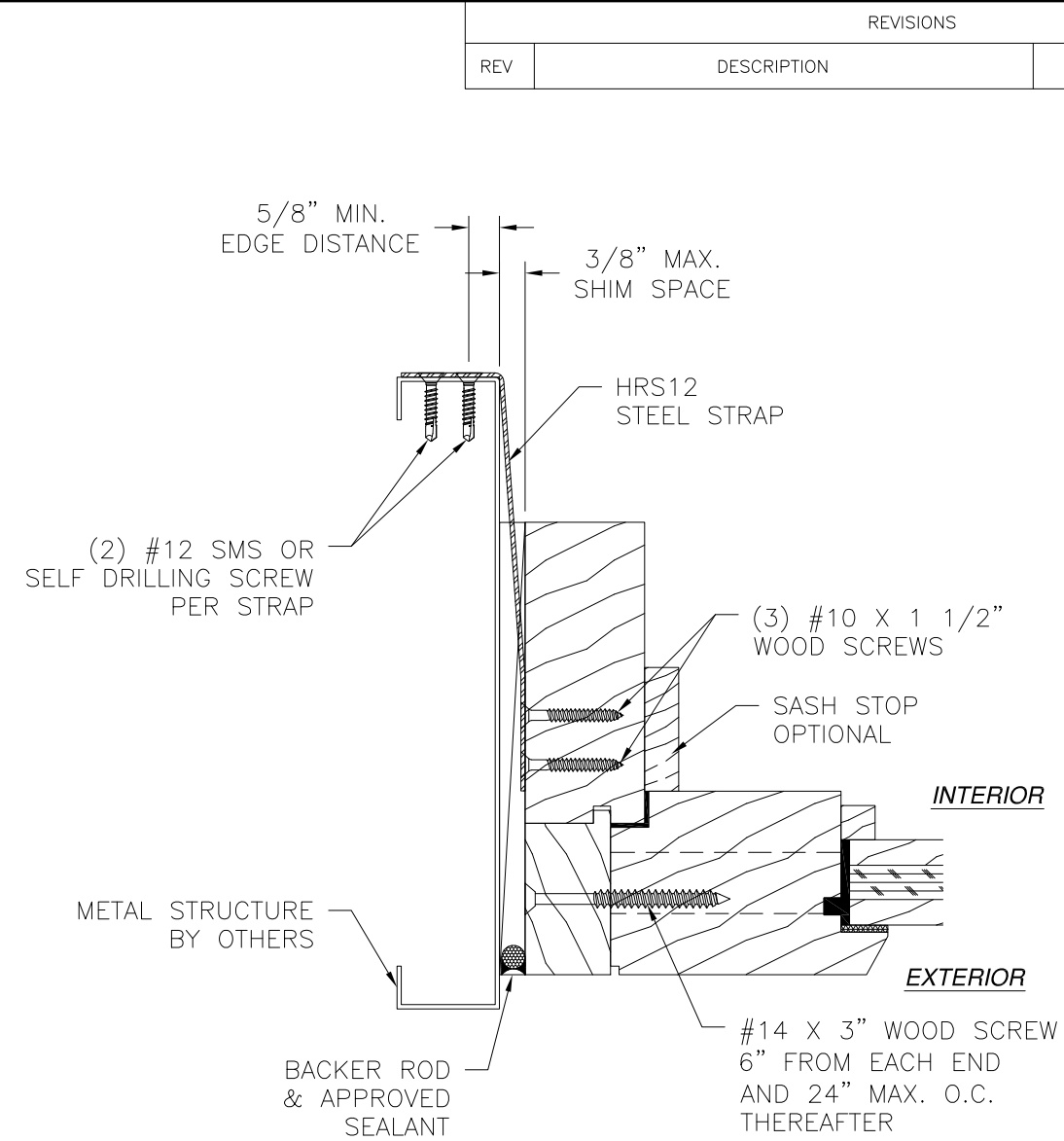
REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 9 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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



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



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION
WITH HRS12 STEEL STRAP

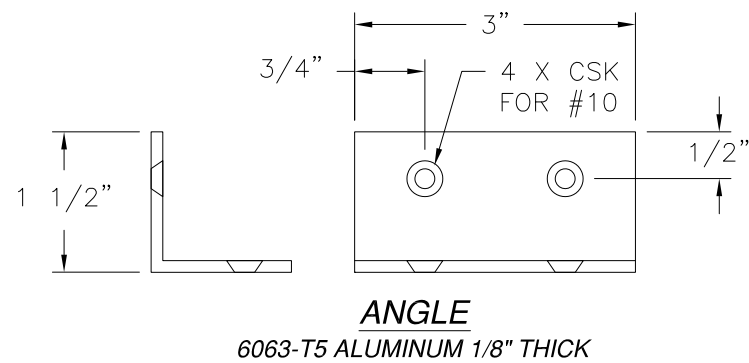
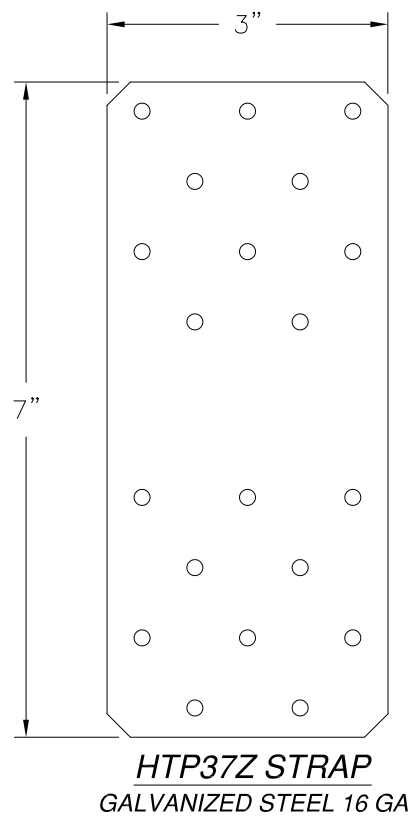
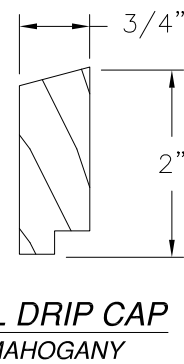
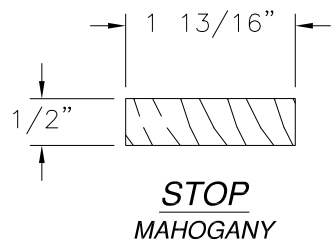
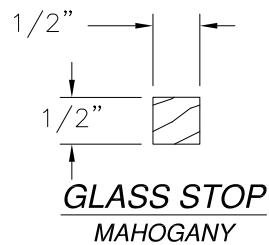
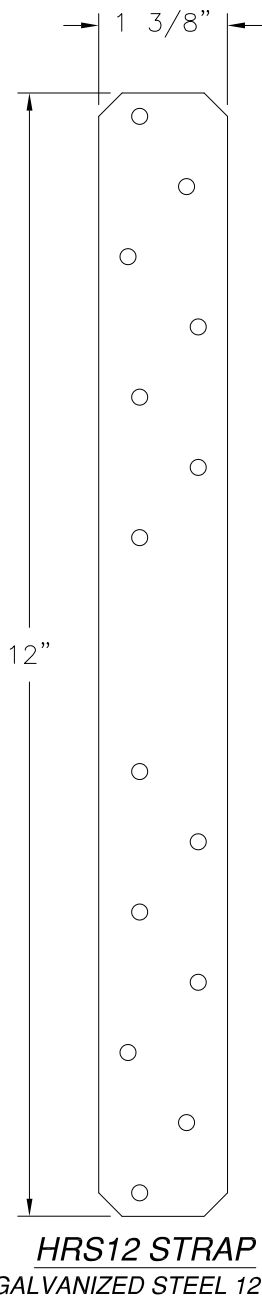
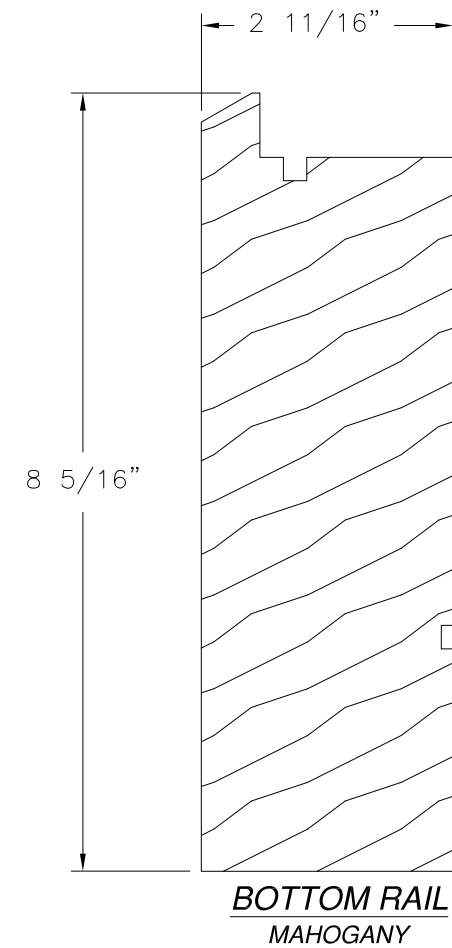
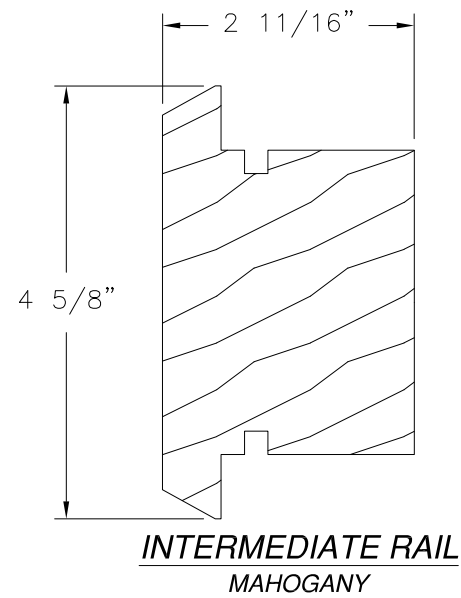
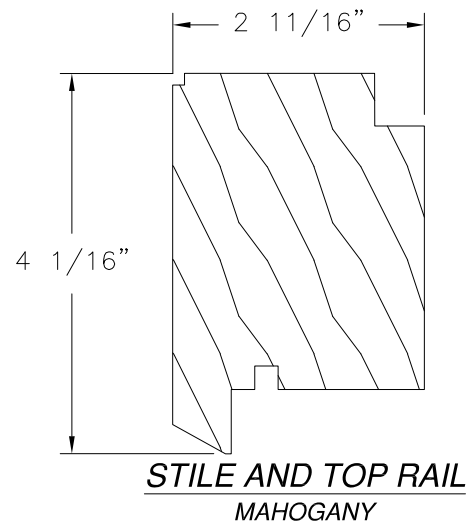
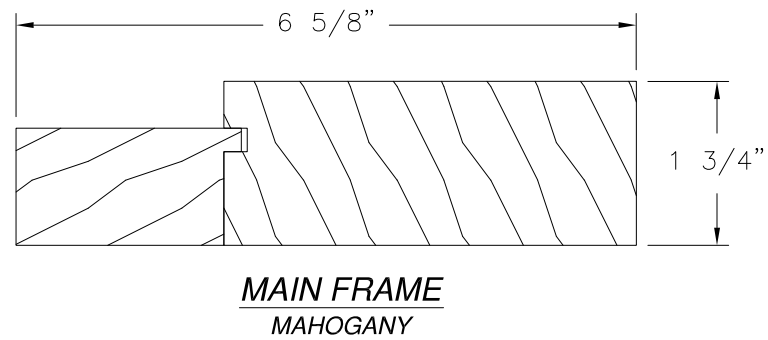
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 10 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 03/31/2021

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7000 WOOD FIXED DOOR IMPACT HVHZ COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03702	REV -
SCALE NTS	DATE 03/16/2021	SHEET 11 OF 11
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 03/31/2021

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