

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	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. 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 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 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 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 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE WITH 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: 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 AND GLAZING DETAILS
3 – 11	INSTALLATION DETAILS
12	COMPONENTS

REVIVAL SASH
78 DIAMOND ROAD
SPRINGFIELD, NJ 07081

7100 WOOD SIDE–HINGED OUTSWING DOOR
IMPACT HVHZ
NOTES

DRAWN:
A.R.

DWG NO.
08–03516

REV
A

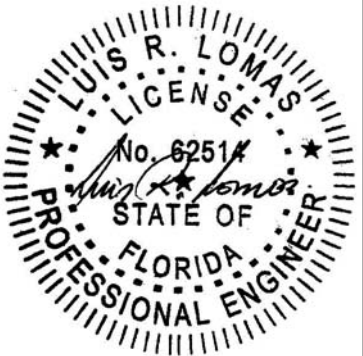
SCALE NTS

DATE 11/14/19

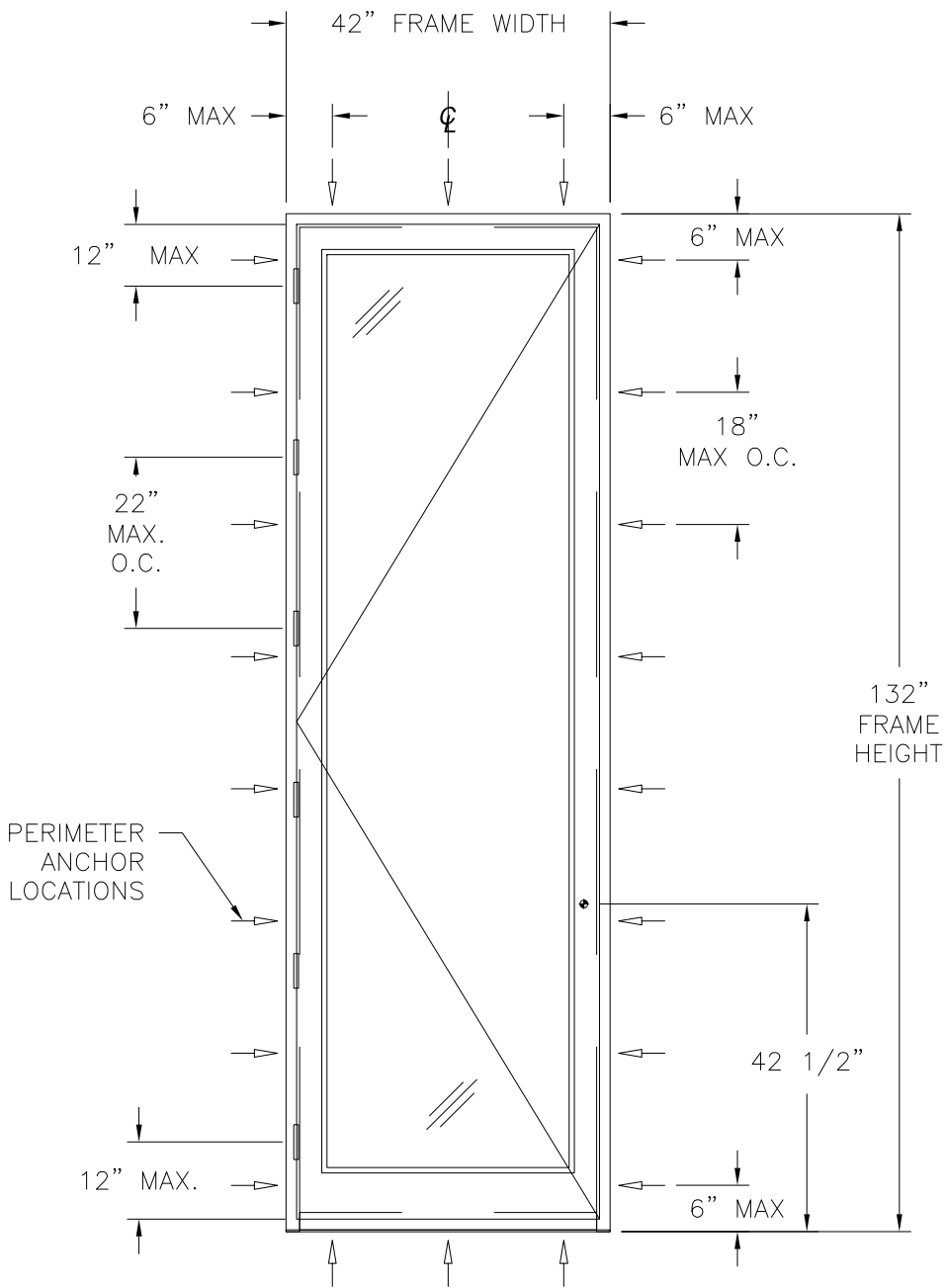
SHEET 1 OF 12

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



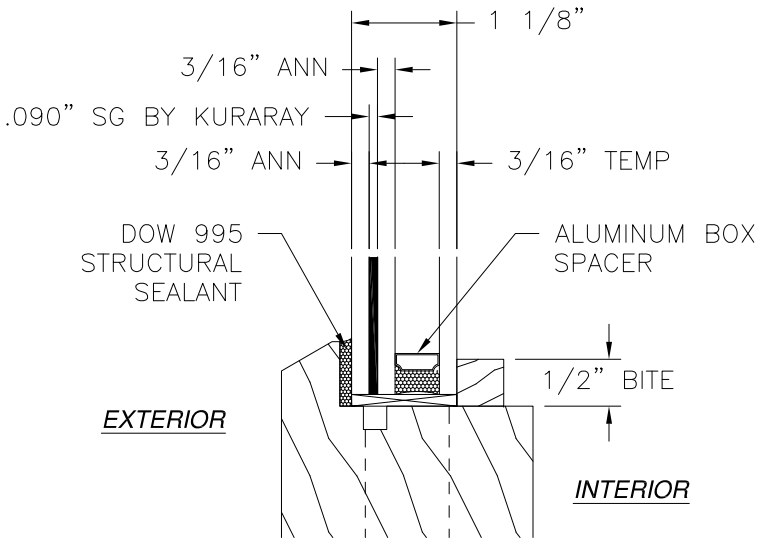
7100 WOOD SIDE-HINGED OUTSWING DOOR
IMPACT HVHZ
EXTERIOR VIEW

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

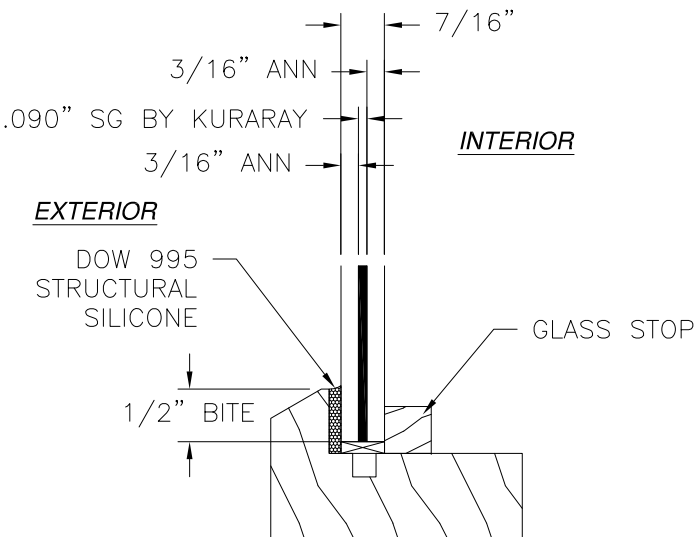
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
42" X 132" UNIT SHOWN. OTHER SIZES ARE APPROVED AS LONG AS FRAME AREA DOES NOT EXCEED 38.5 FT²

- NOTES:
- PANEL SIZE: 39 1/4" X 129"
 - D.L.O.: 32 3/4" X 119 3/4"
 - MULTI-POINT LOCK SYSTEM WITH 6 LOCK POINTS AT 12" FROM EACH END AND 22" O.C. THEREAFTER
 - 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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.



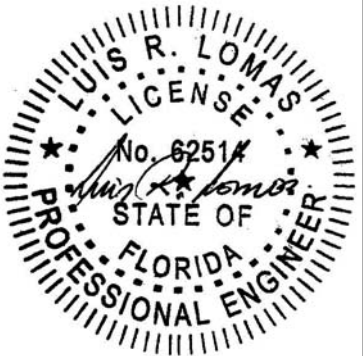
GLASS DETAIL A



GLAZING DETAIL B

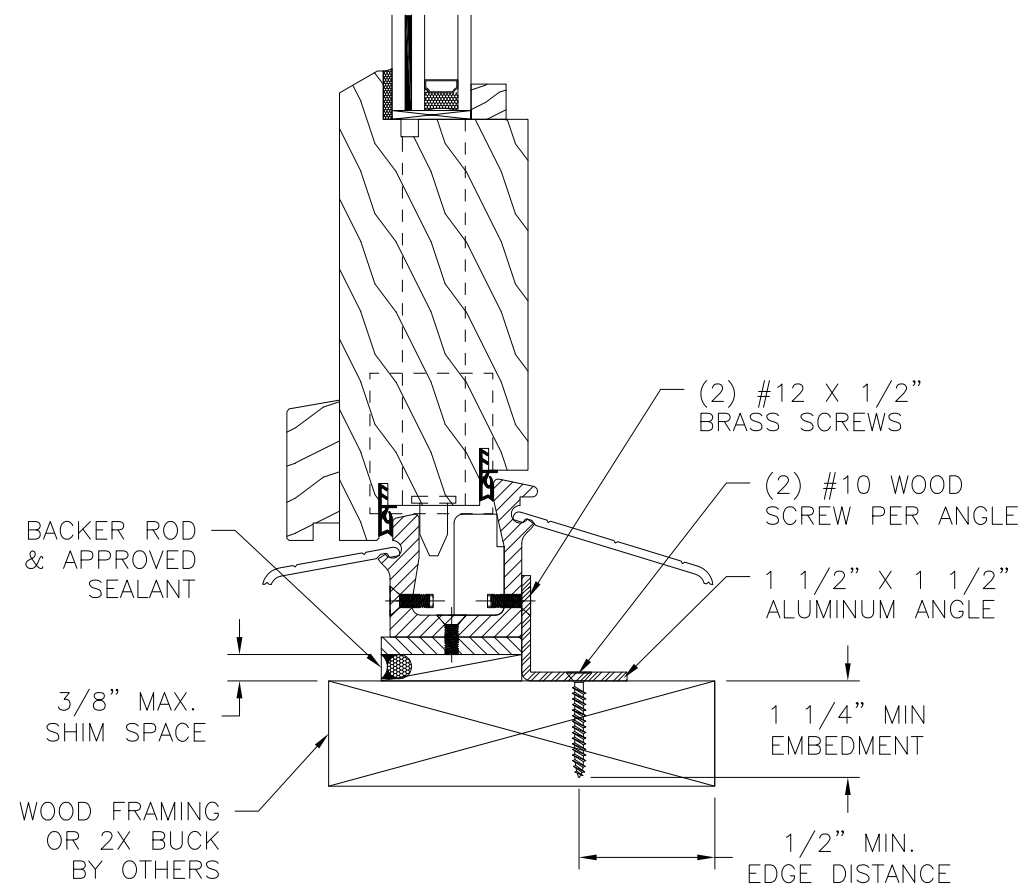
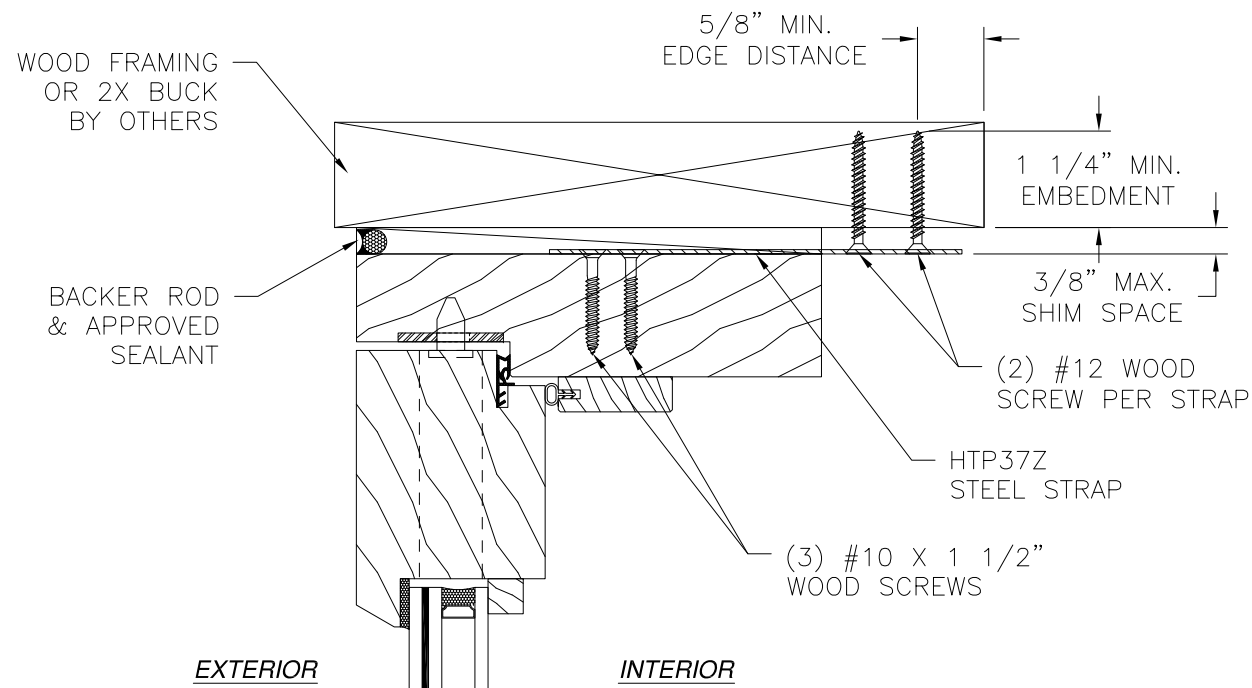
SIGNED: 01/29/2020

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ ELEVATION AND GLAZING DETAILS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 2 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@rlomaspe.com		



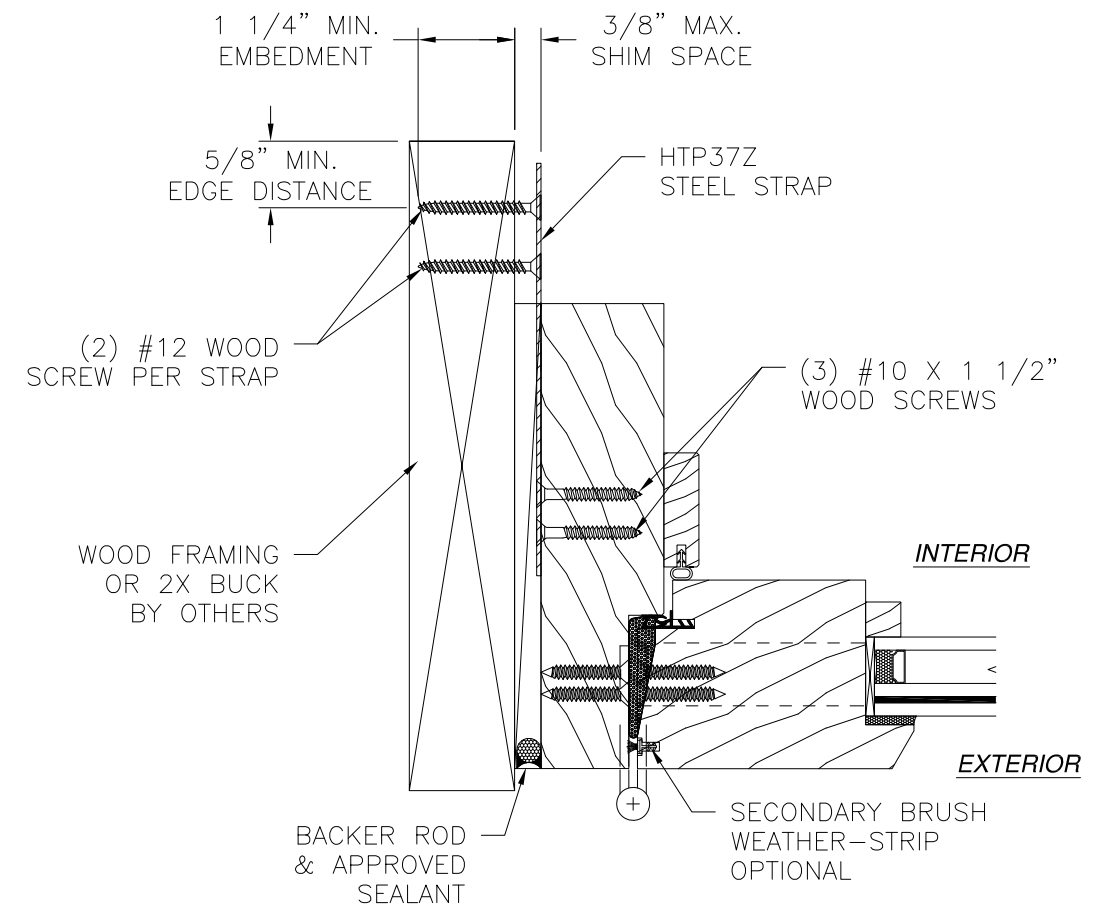
Luis R. Lomas P.E.
FL No.: 62514

HARDWARE SCHEDULE	
A.	(6) BARREL HINGES, 8" FROM HEAD AND 10" FROM SILL SPACED 22" O.C. THEREAFTER
B.	(1) MULTI-POINT LOCK WITH HANDLE AND DEADBOLT, AT LOCK STILE



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.

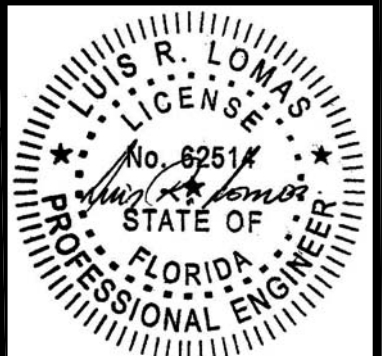


JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION
WITH HTP37Z STEEL STRAP

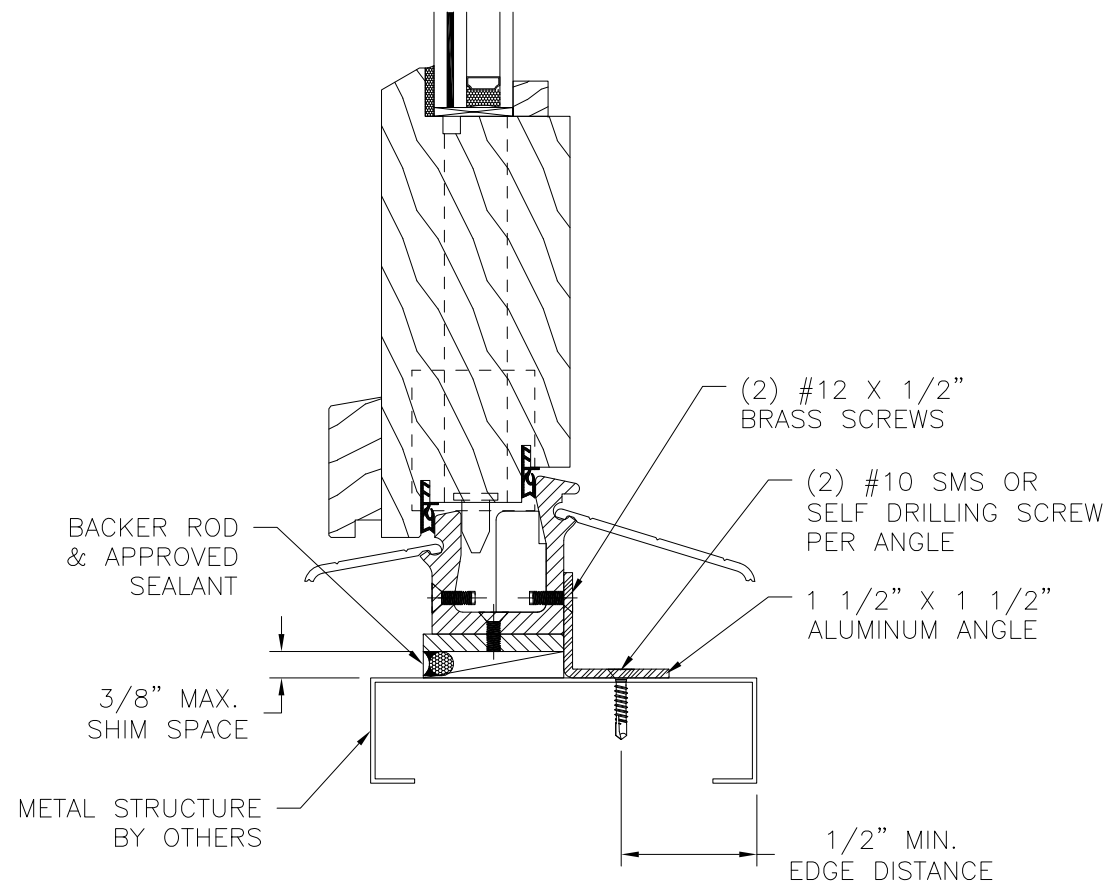
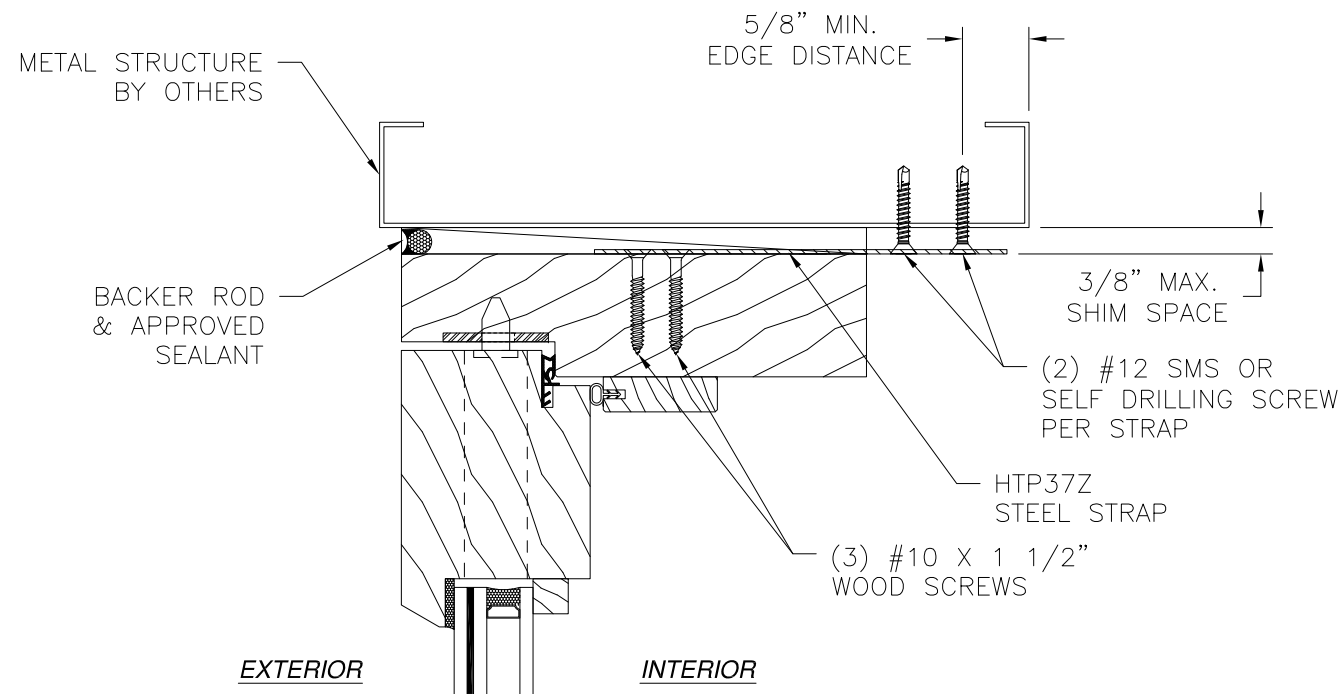
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 01/29/2020

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 3 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

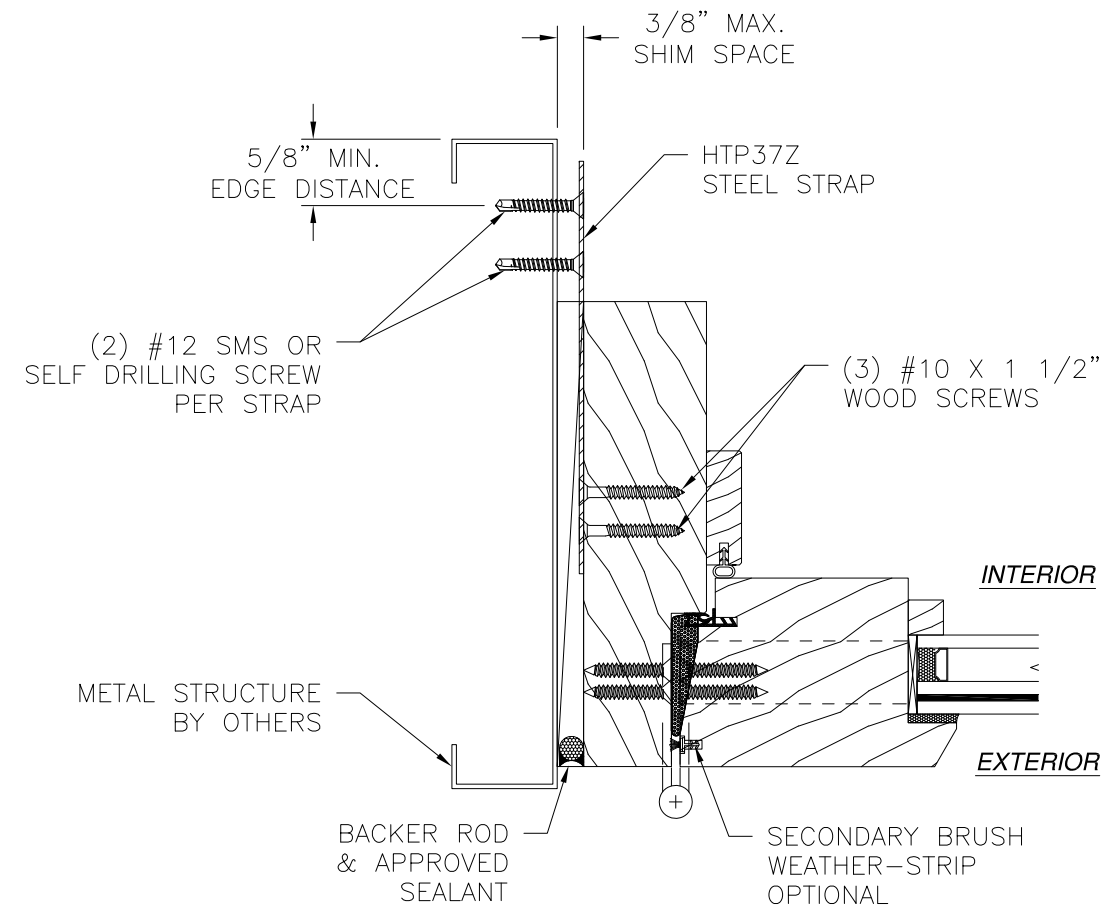


Luis R. Lomas P.E.
FL No.: 62514



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.

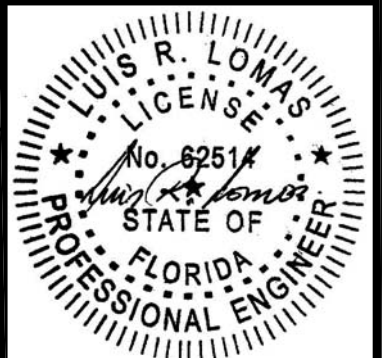


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION
WITH HTP37Z STEEL STRAP

- 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

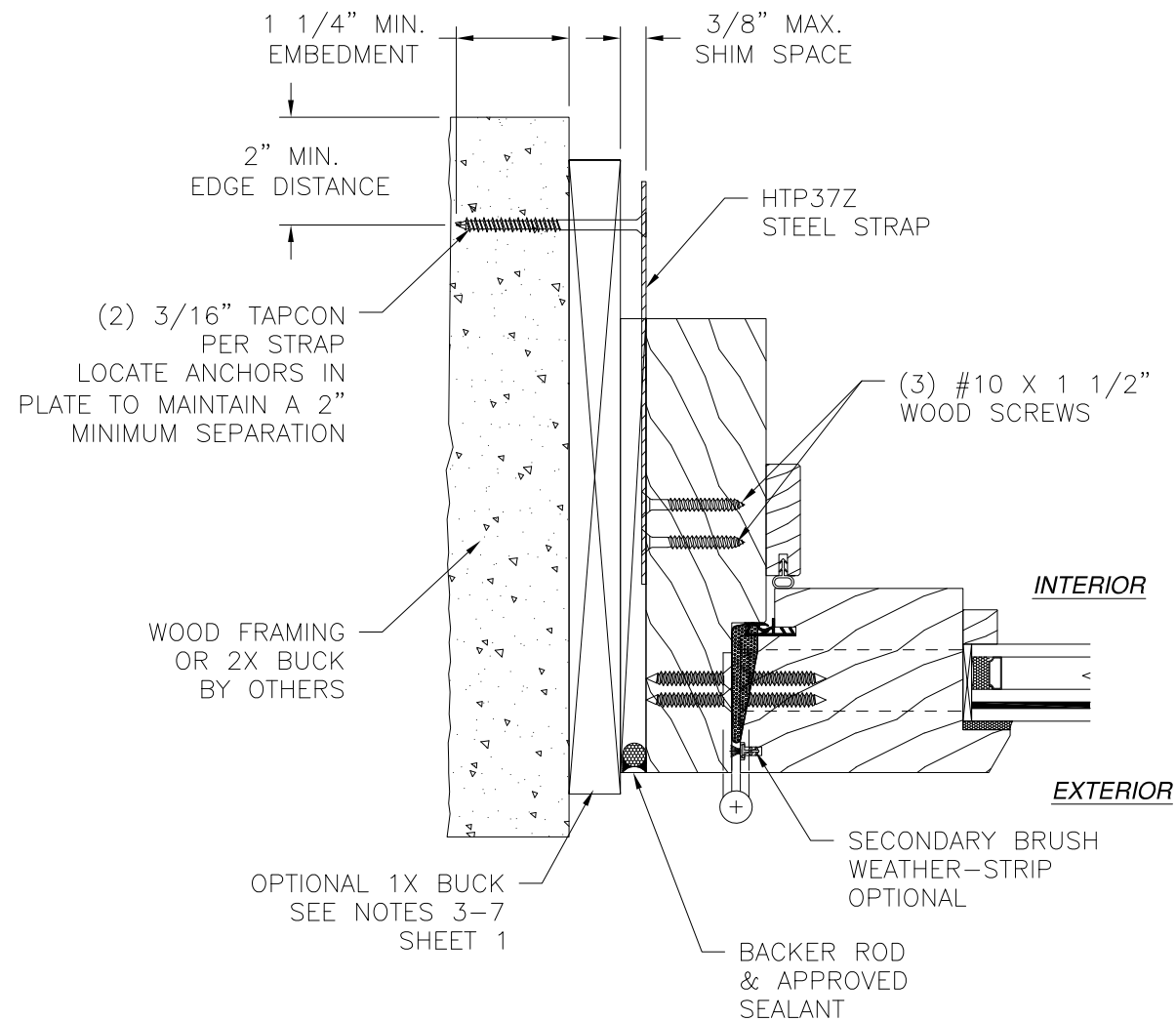
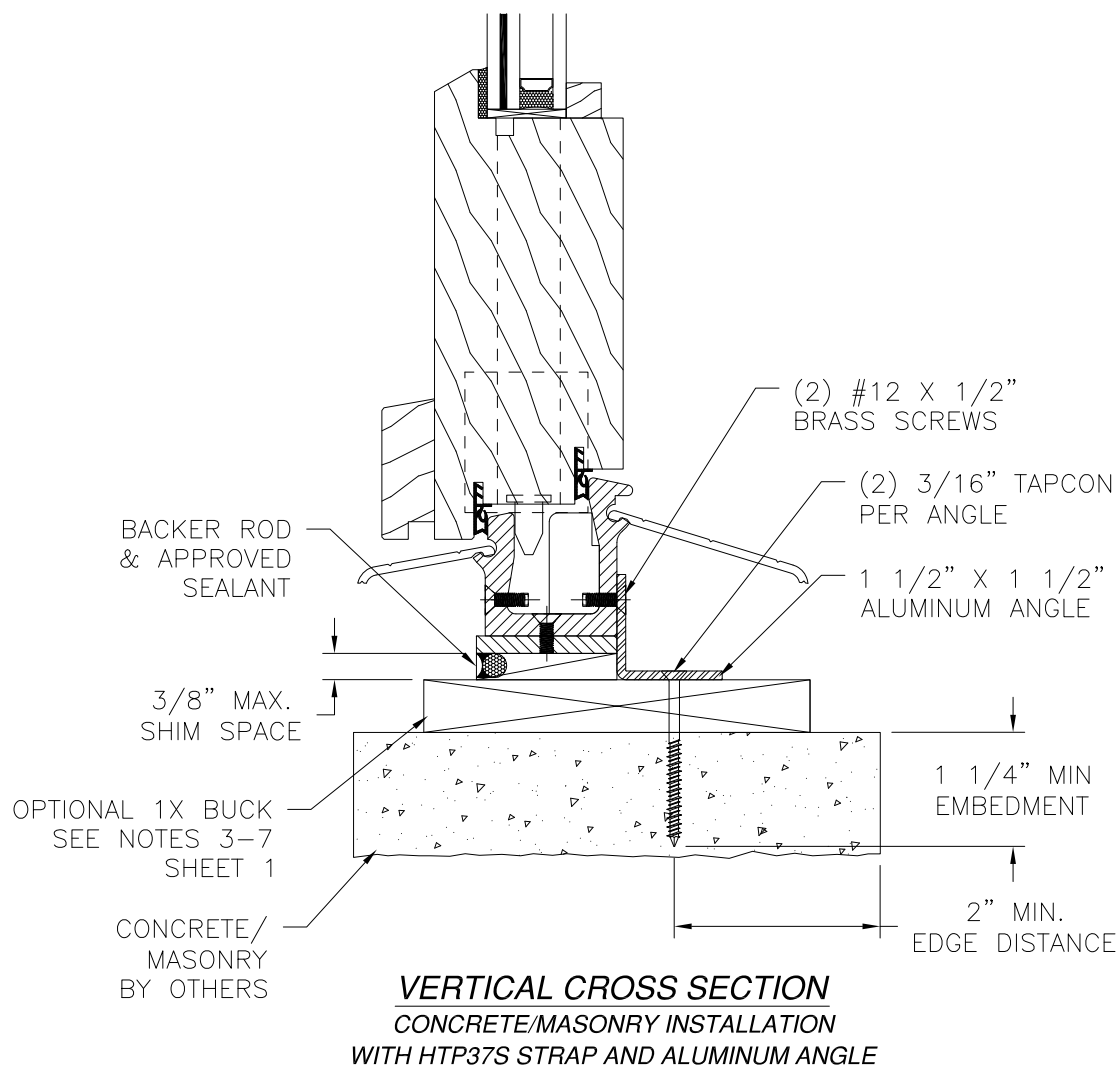
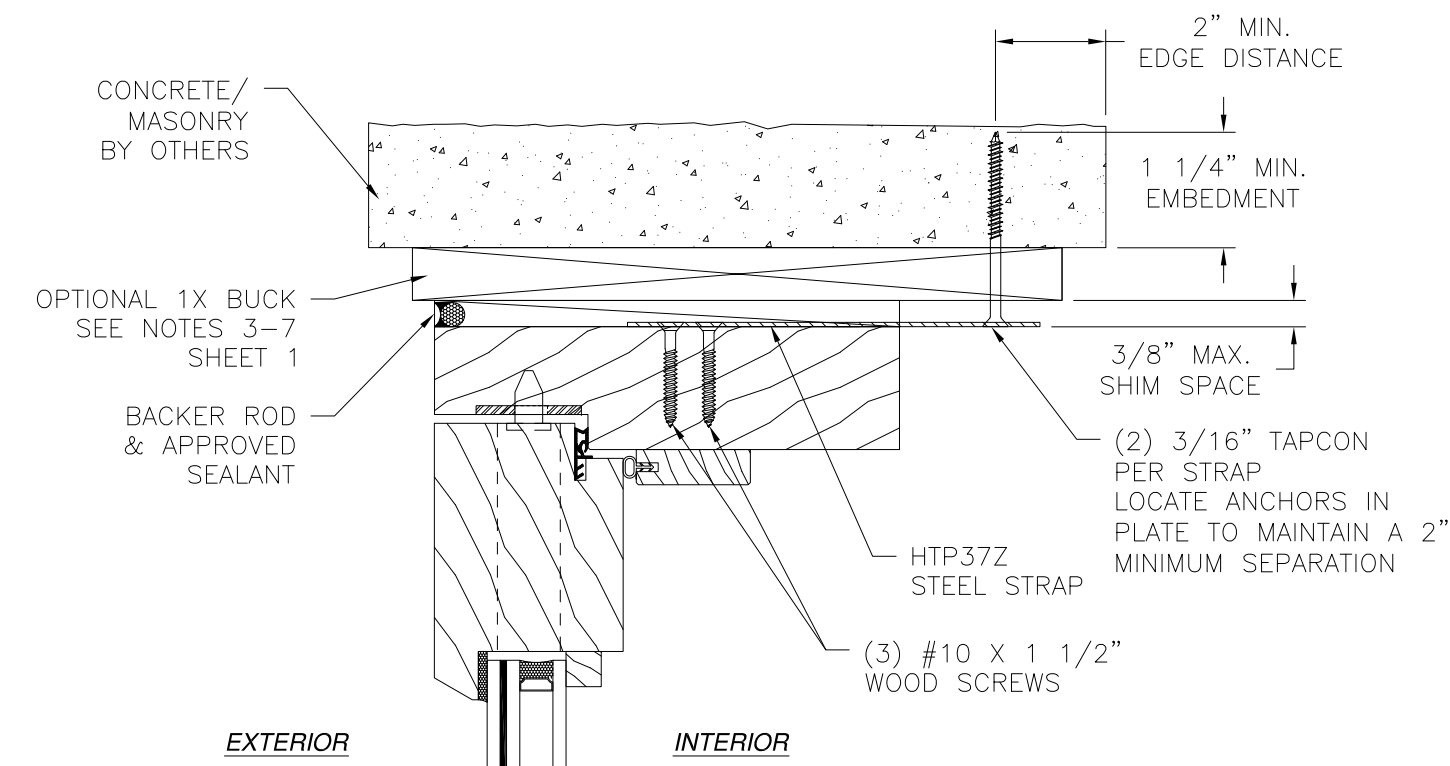
SIGNED: 01/29/2020

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 4 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	01/27/2020	R.L.

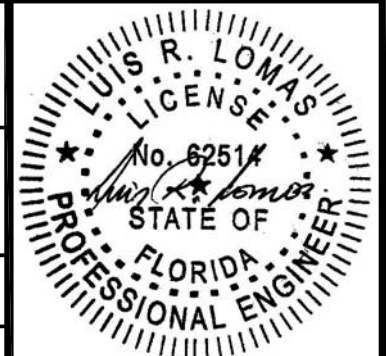


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION
WITH HTP37Z STEEL STRAP

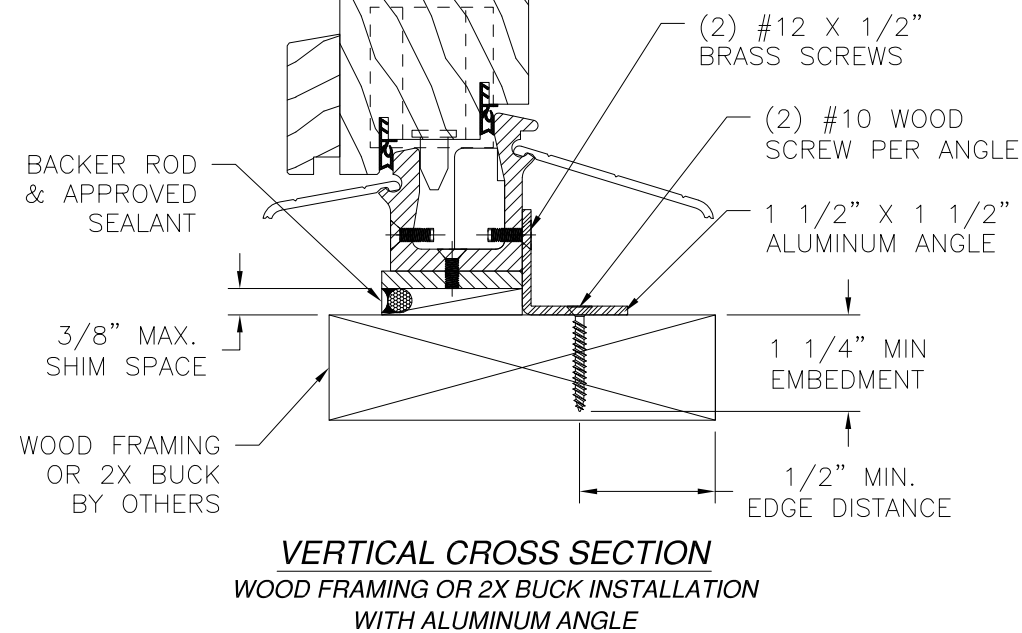
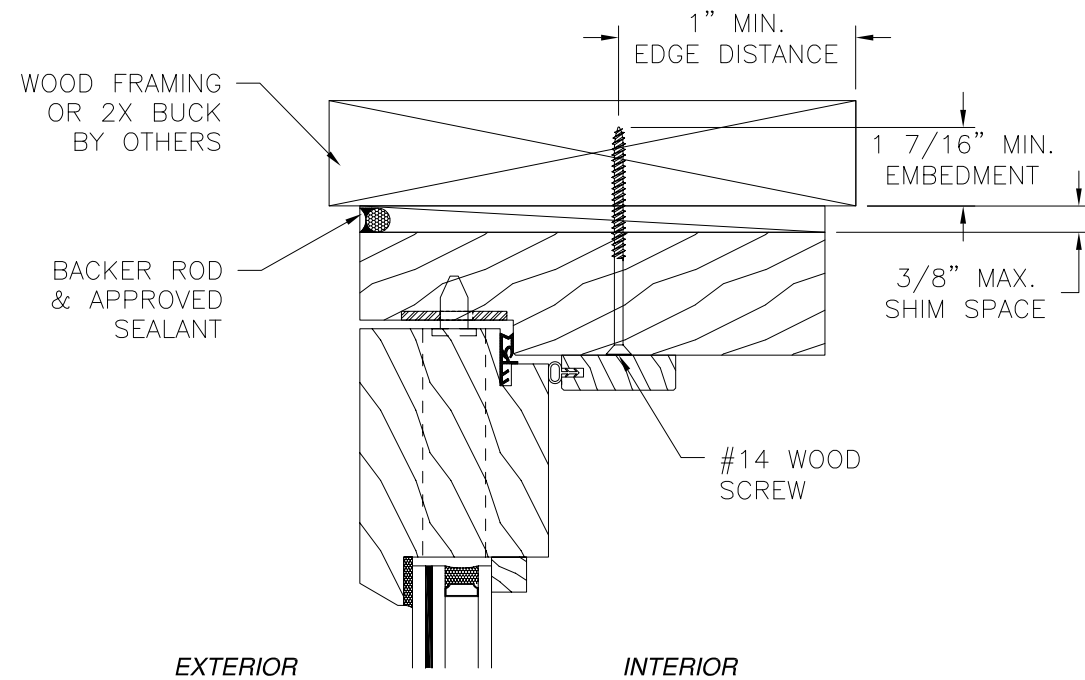
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 01/29/2020

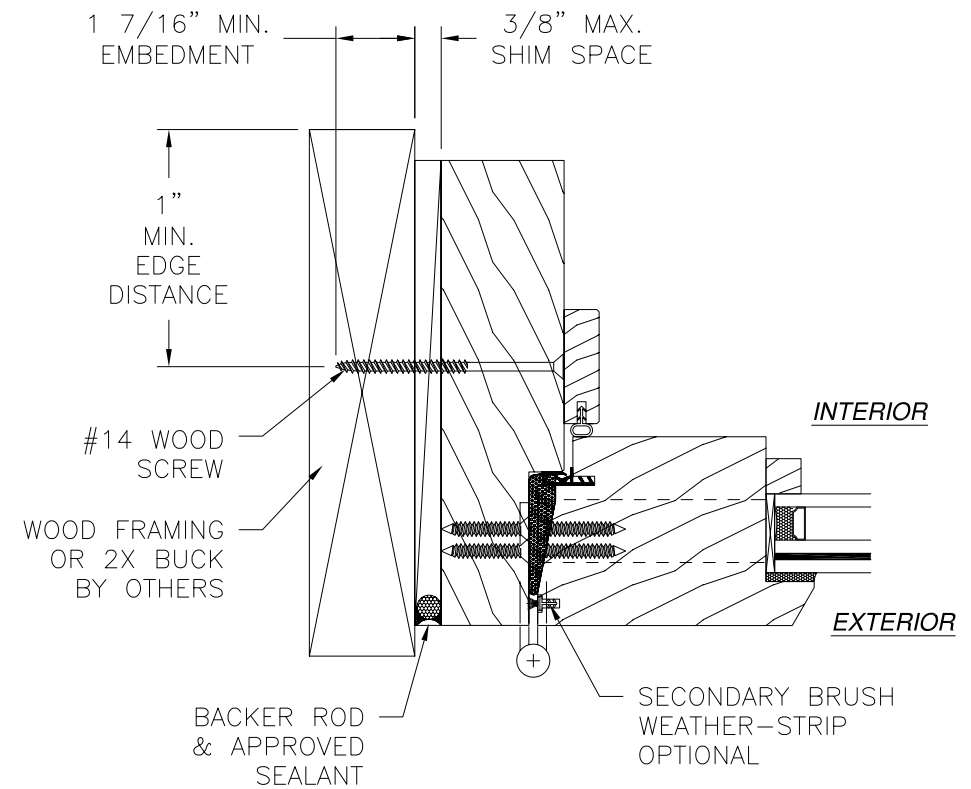
REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 5 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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



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



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

REVIVAL SASH

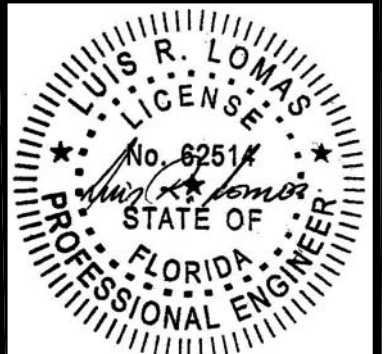
78 DIAMOND ROAD
SPRINGFIELD, NJ 07081

7100 WOOD SIDE-HINGED OUTSWING DOOR
IMPACT HVHZ
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 6 OF 12

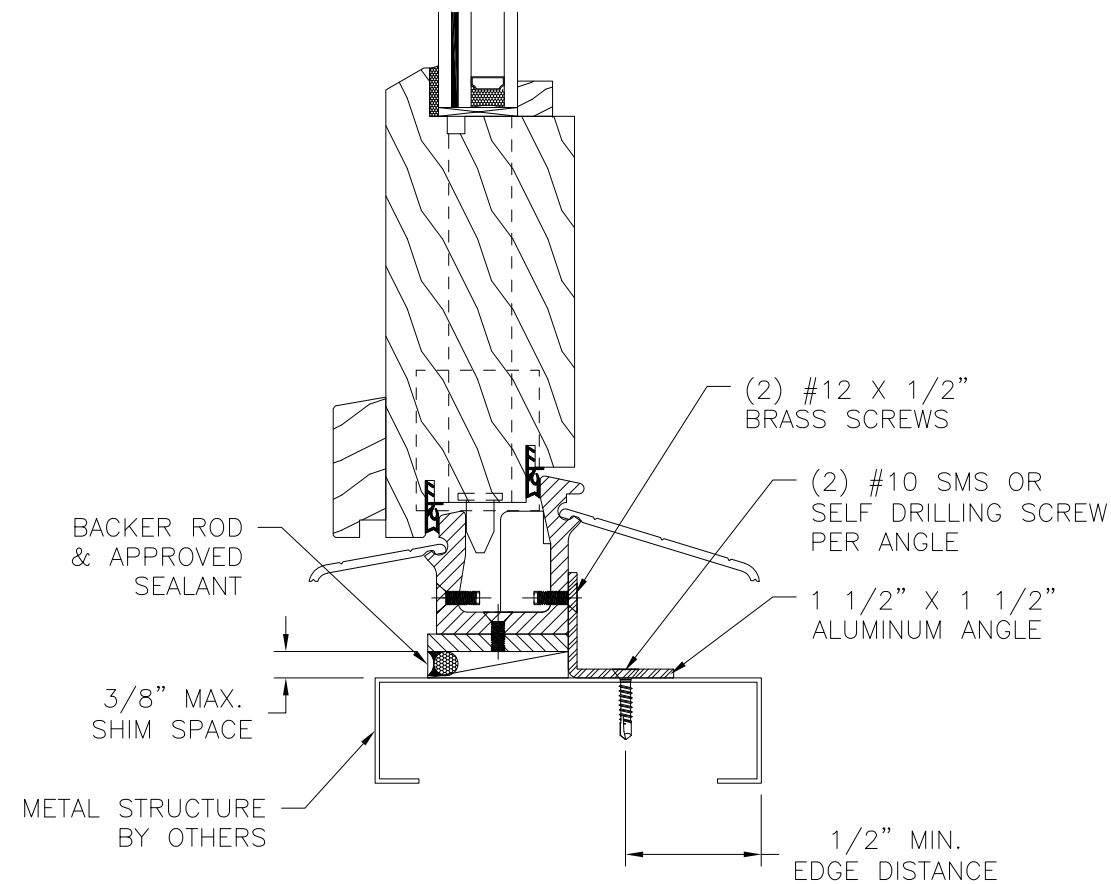
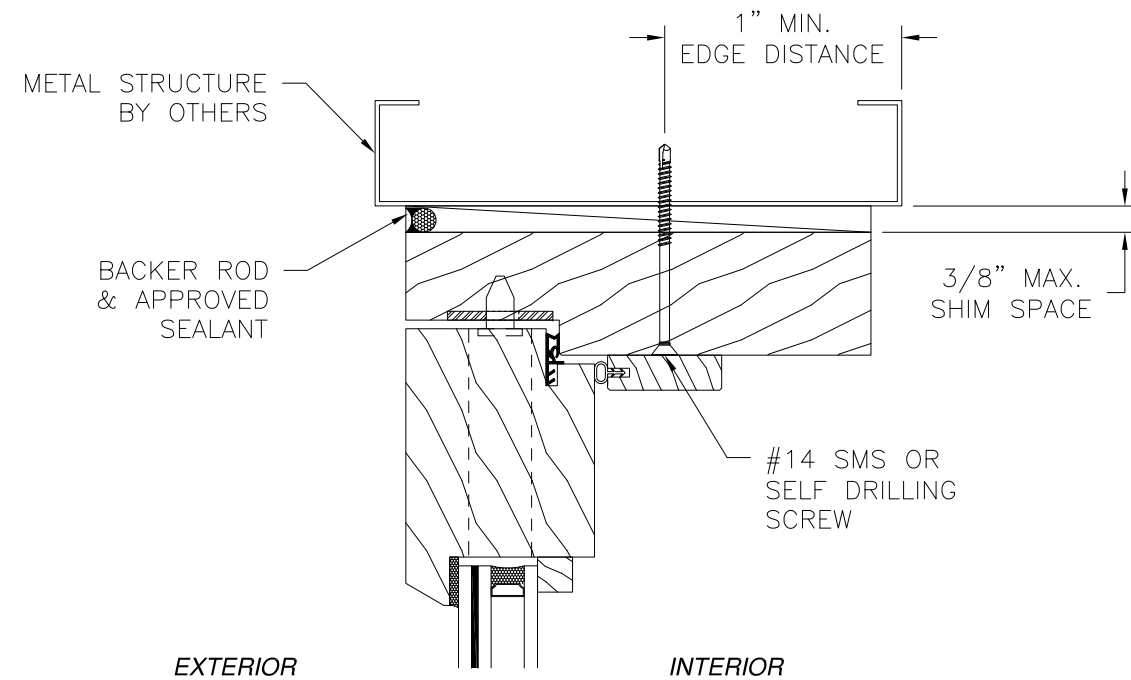
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/29/2020

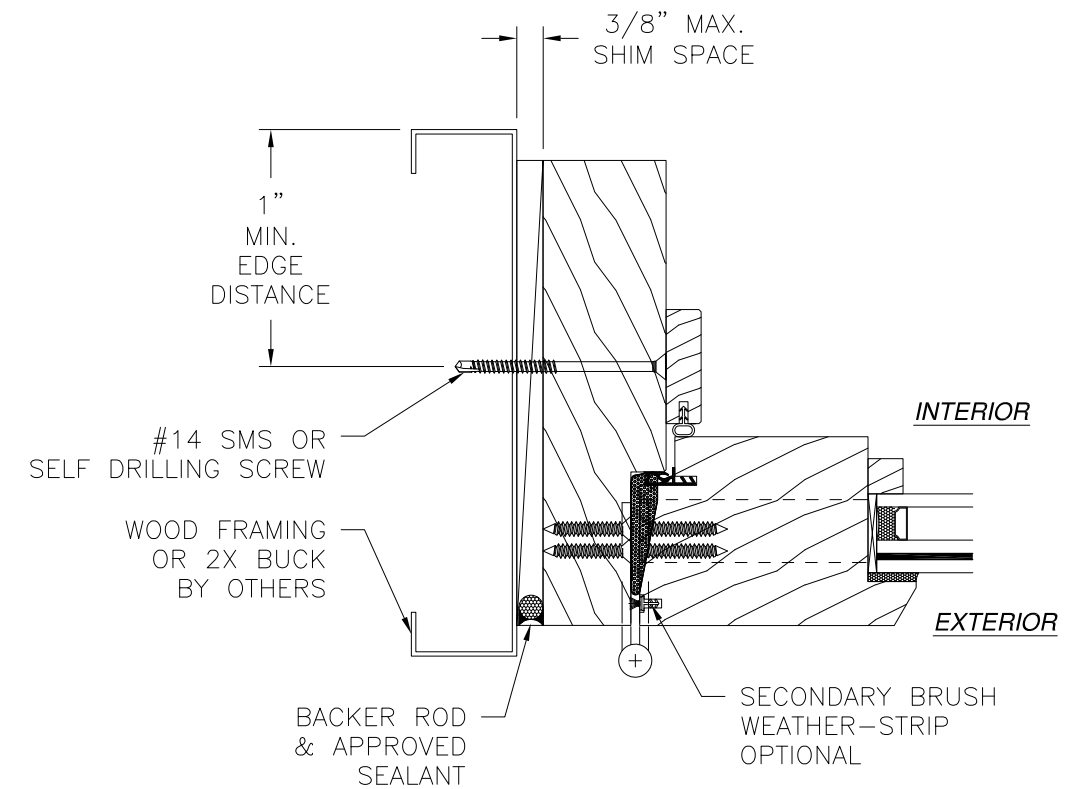


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.



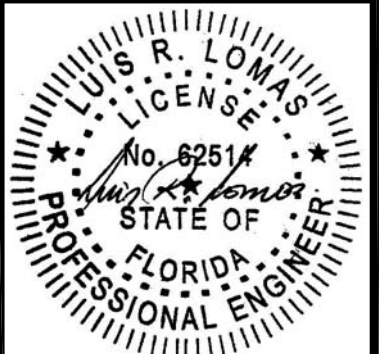
VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION
WITH ALUMINUM ANGLE



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

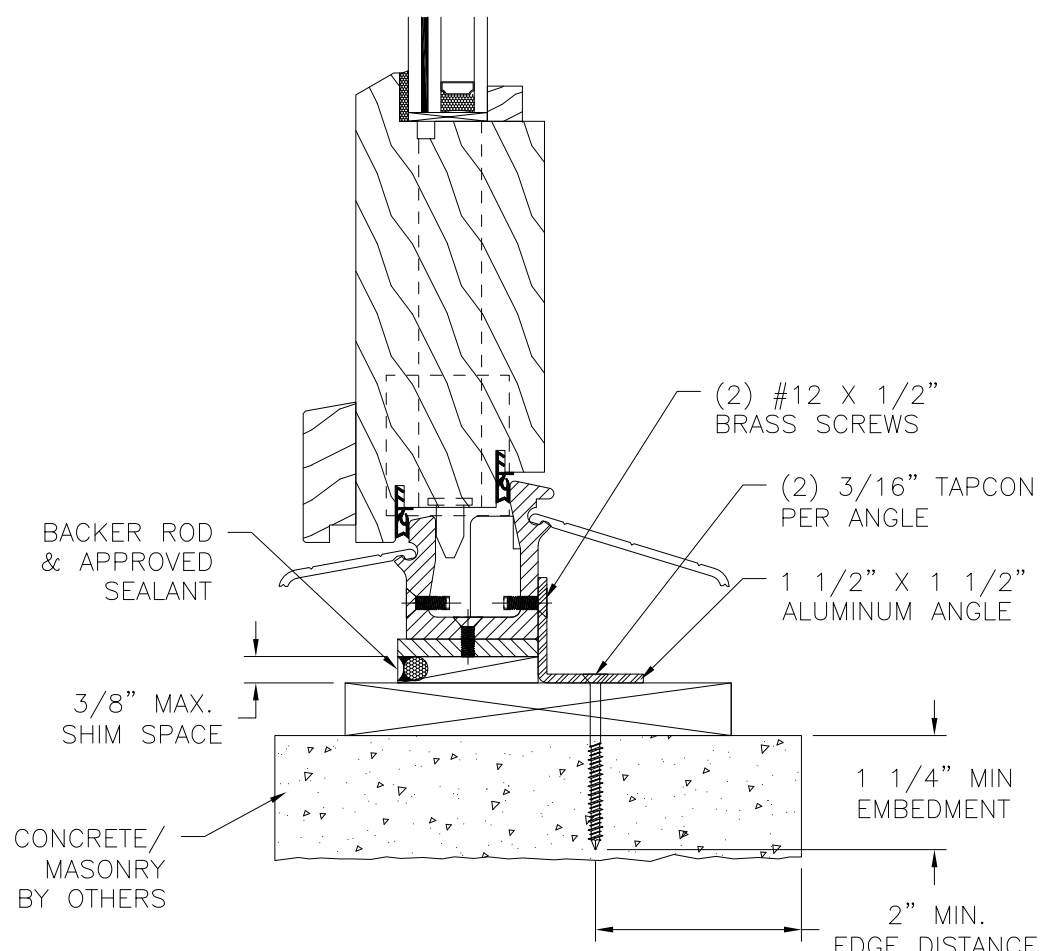
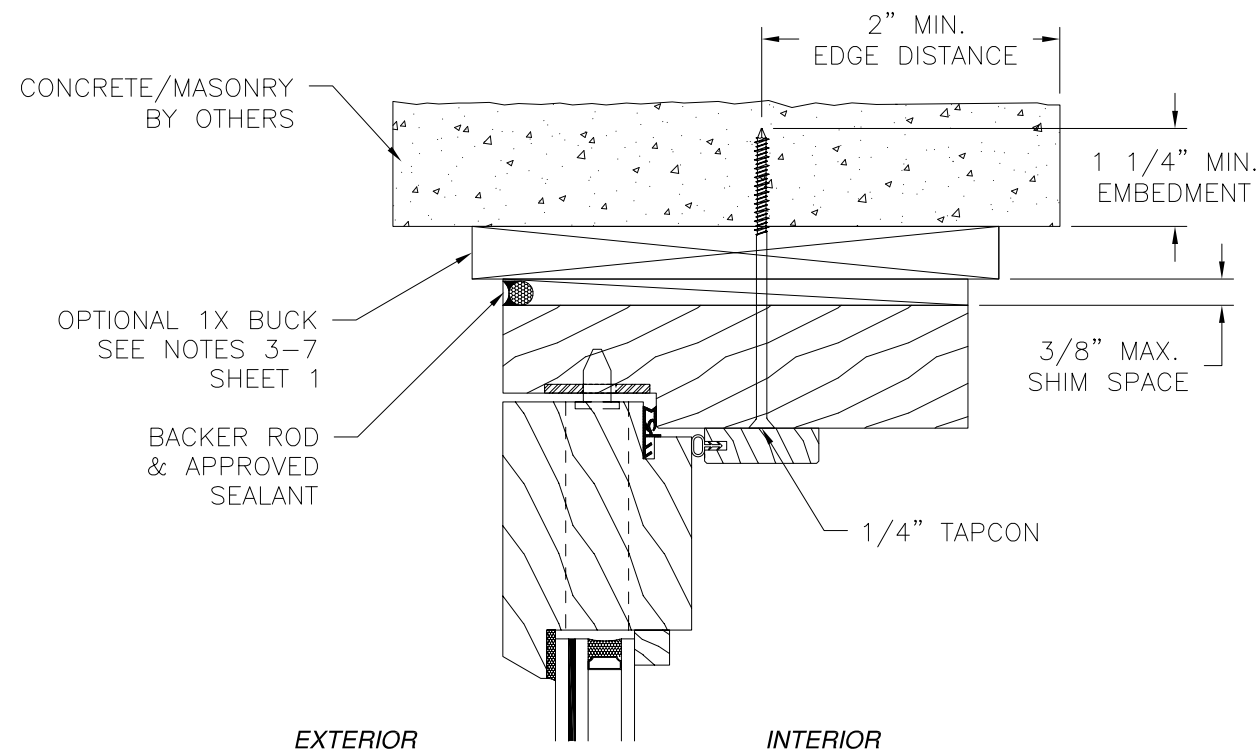
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 7 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

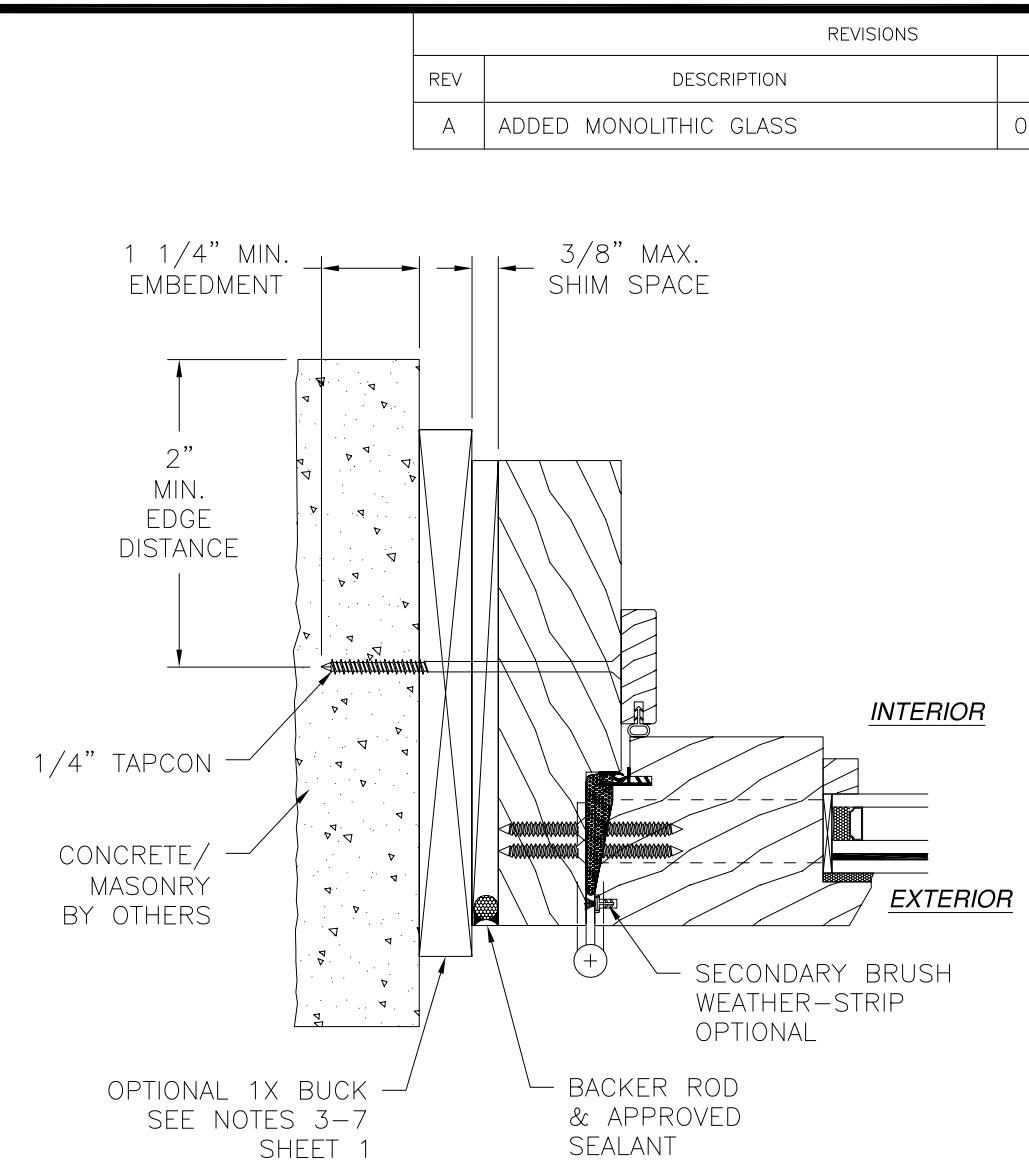


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION
WITH ALUMINUM ANGLE



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

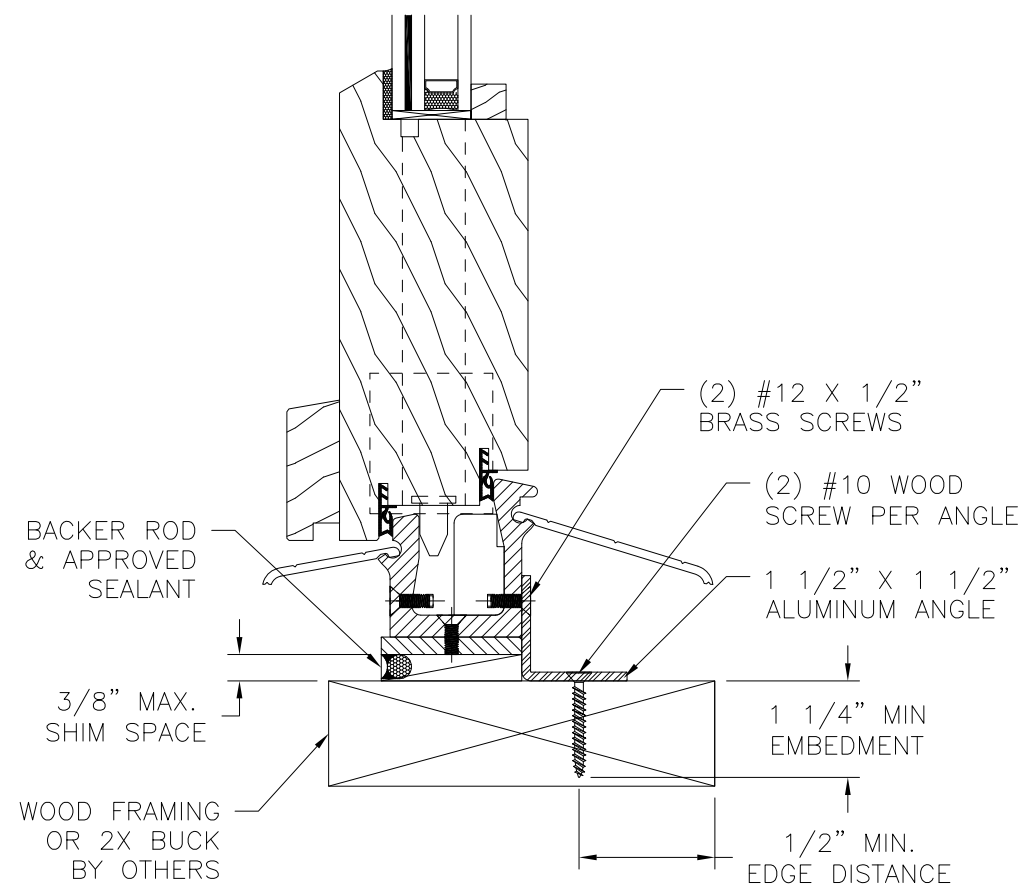
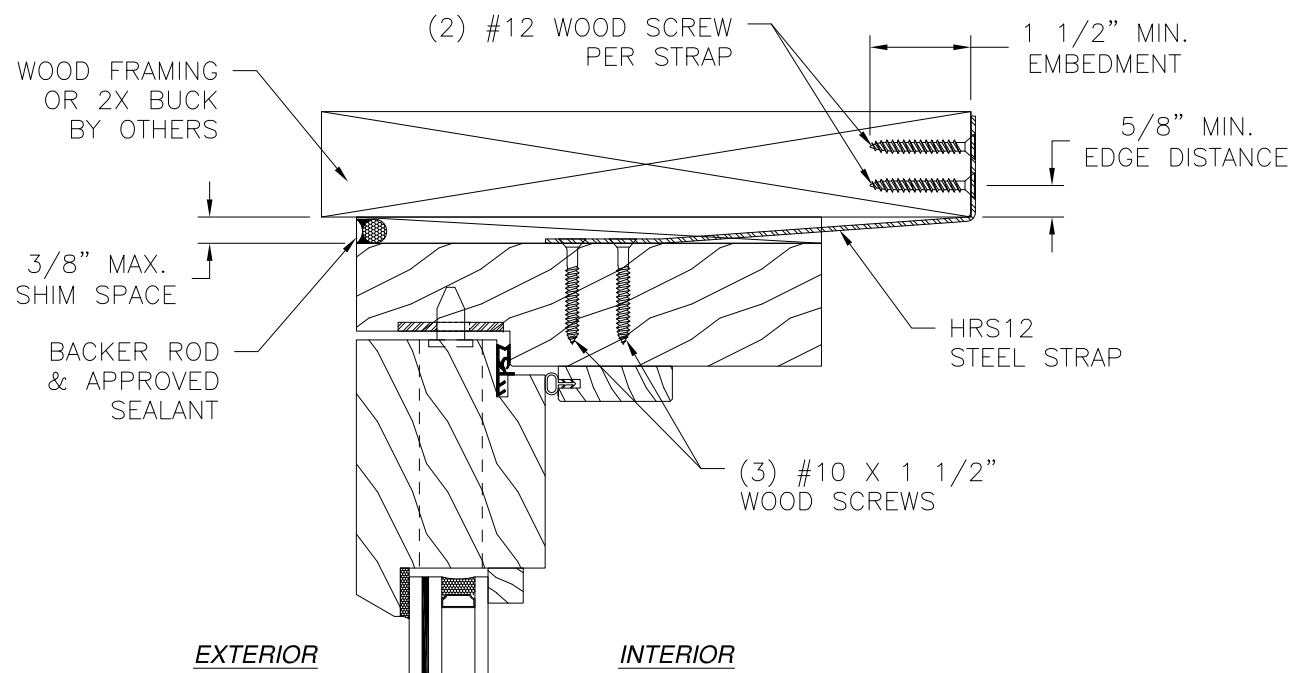
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.

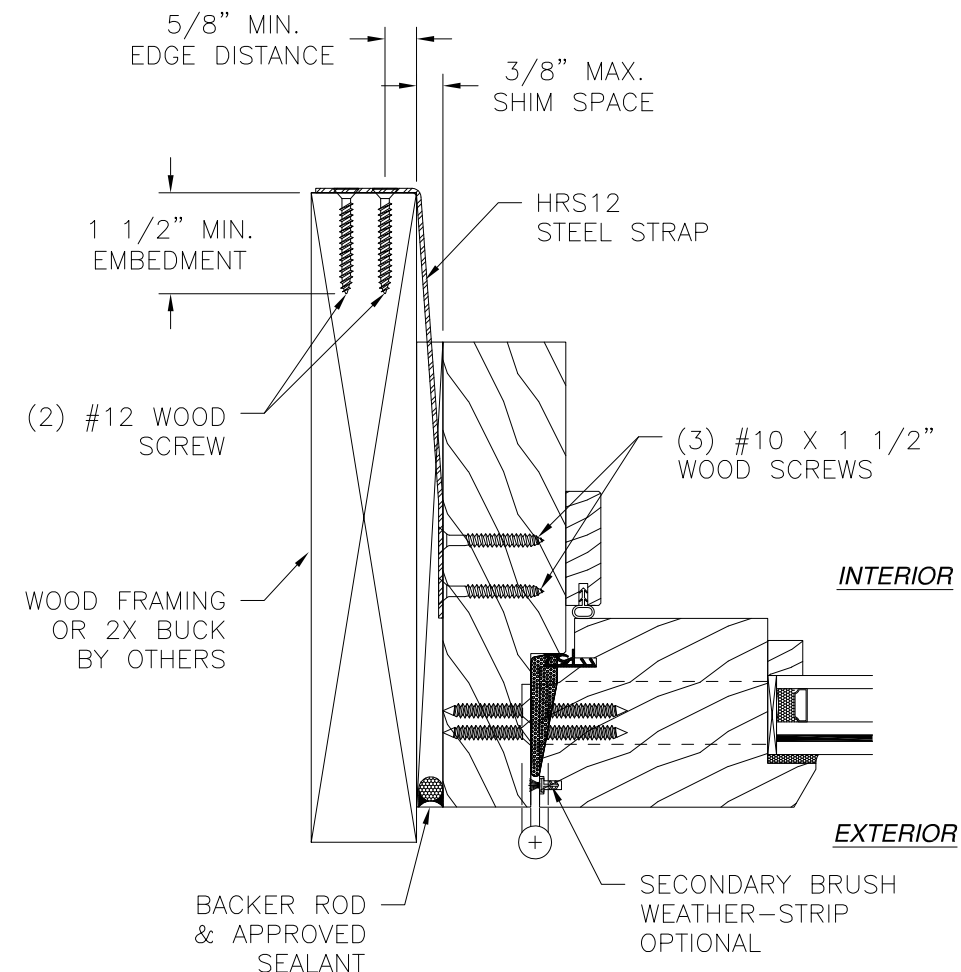
REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 8 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 01/29/2020

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



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

REVIVAL SASH

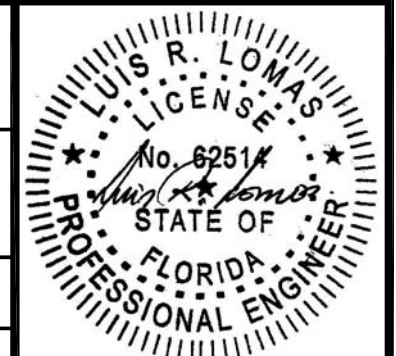
78 DIAMOND ROAD
SPRINGFIELD, NJ 07081

7100 WOOD SIDE-HINGED OUTSWING DOOR
IMPACT HVHZ
INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 9 OF 12

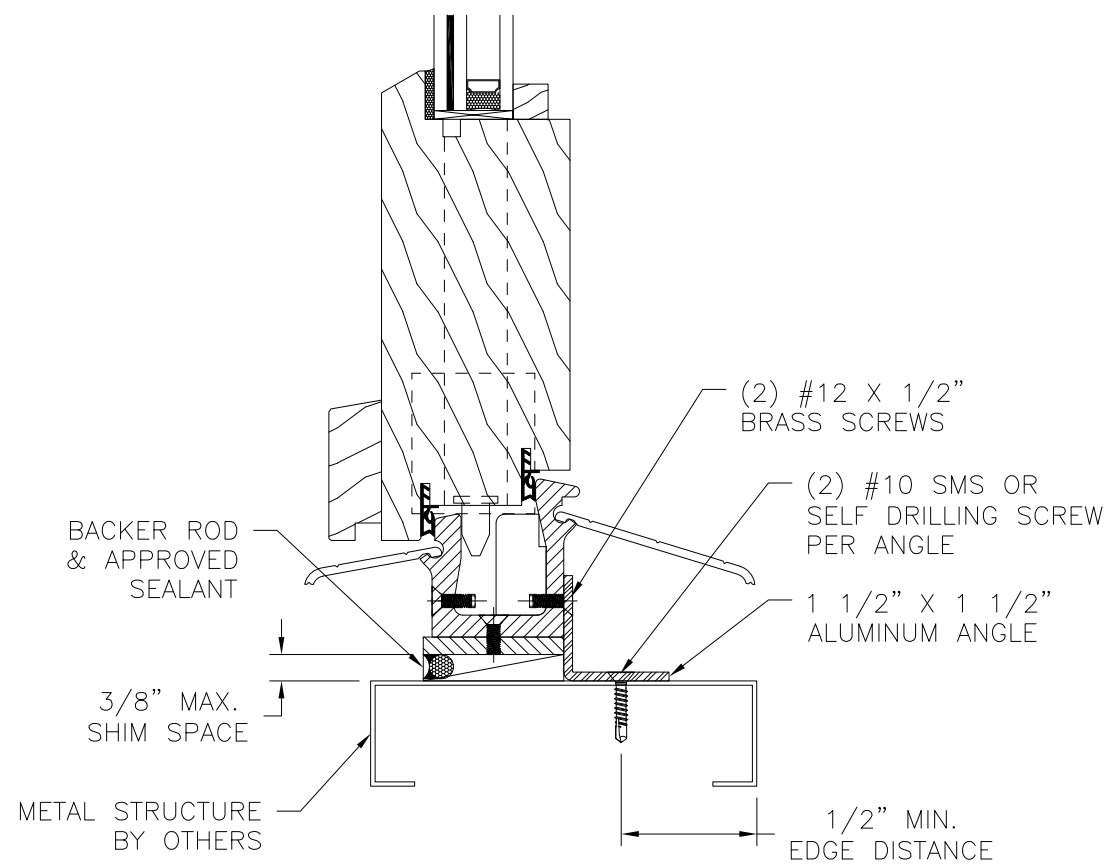
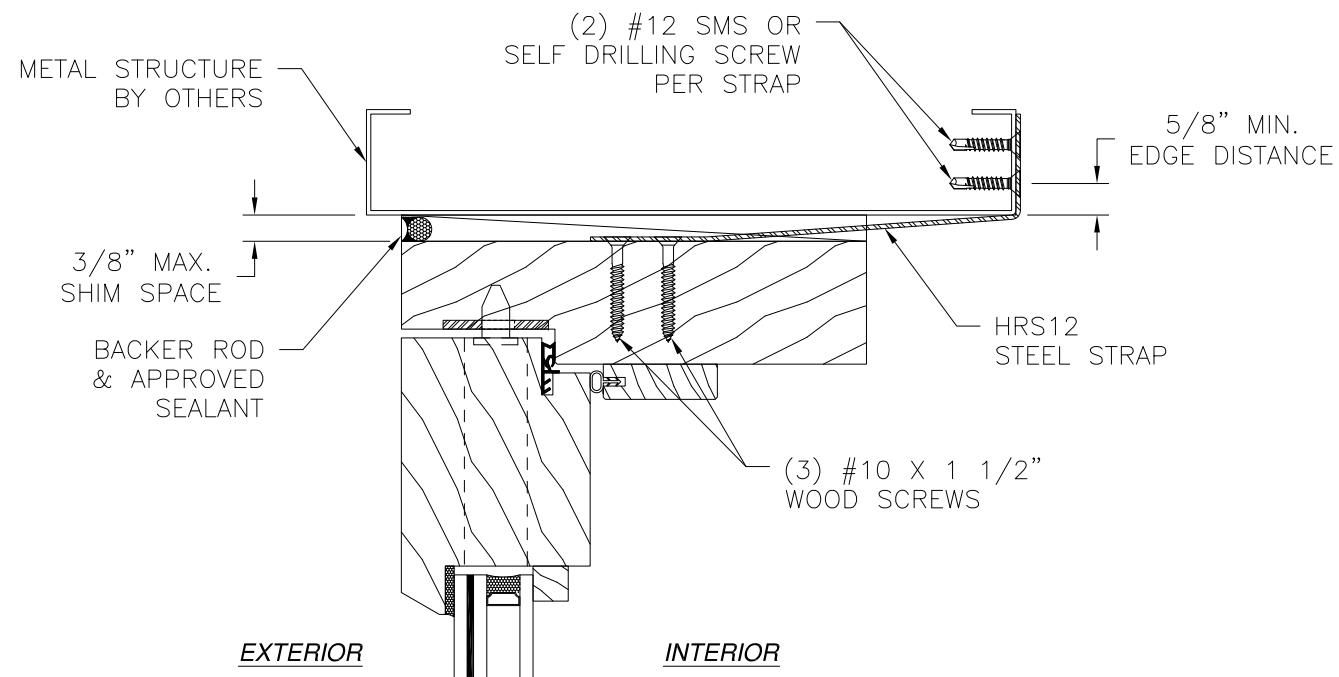
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 01/29/2020

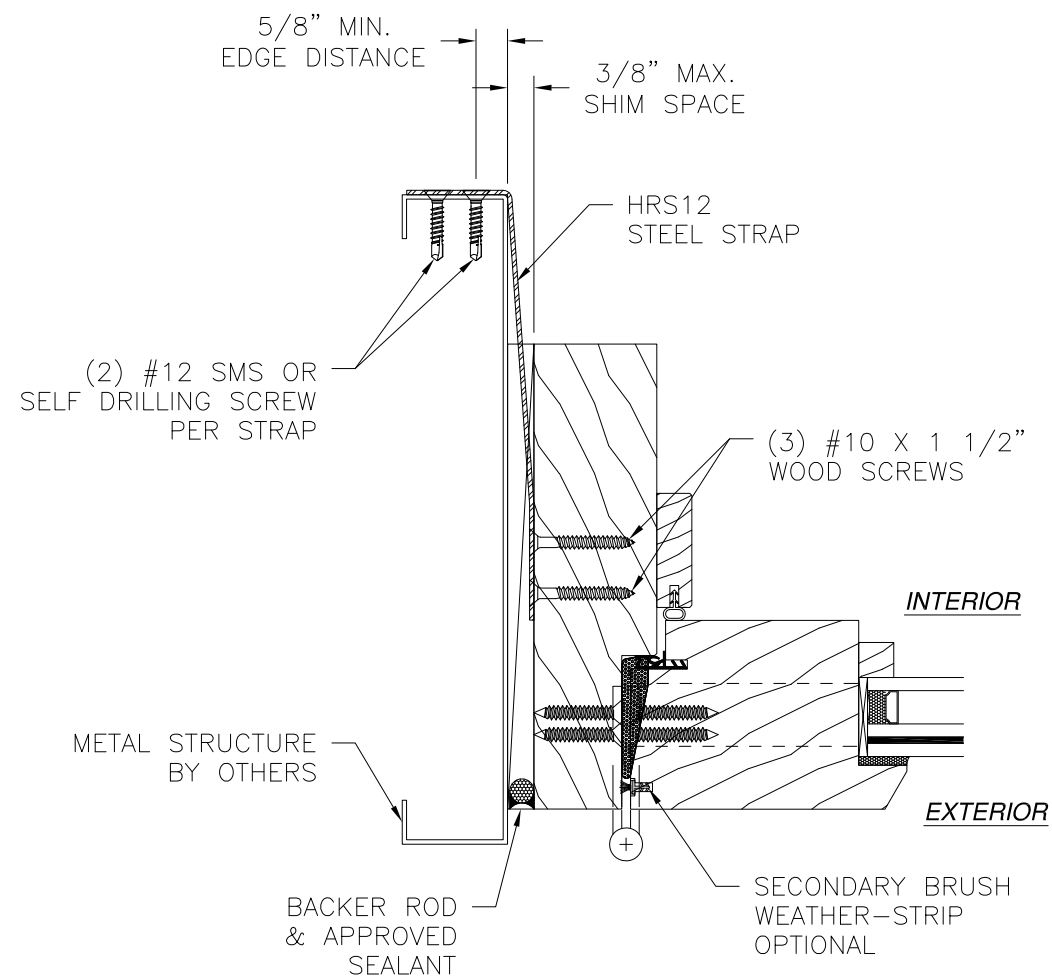


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.



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

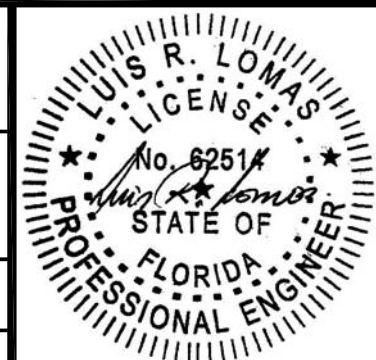


JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION
WITH HRS12 STEEL STRAP

- 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

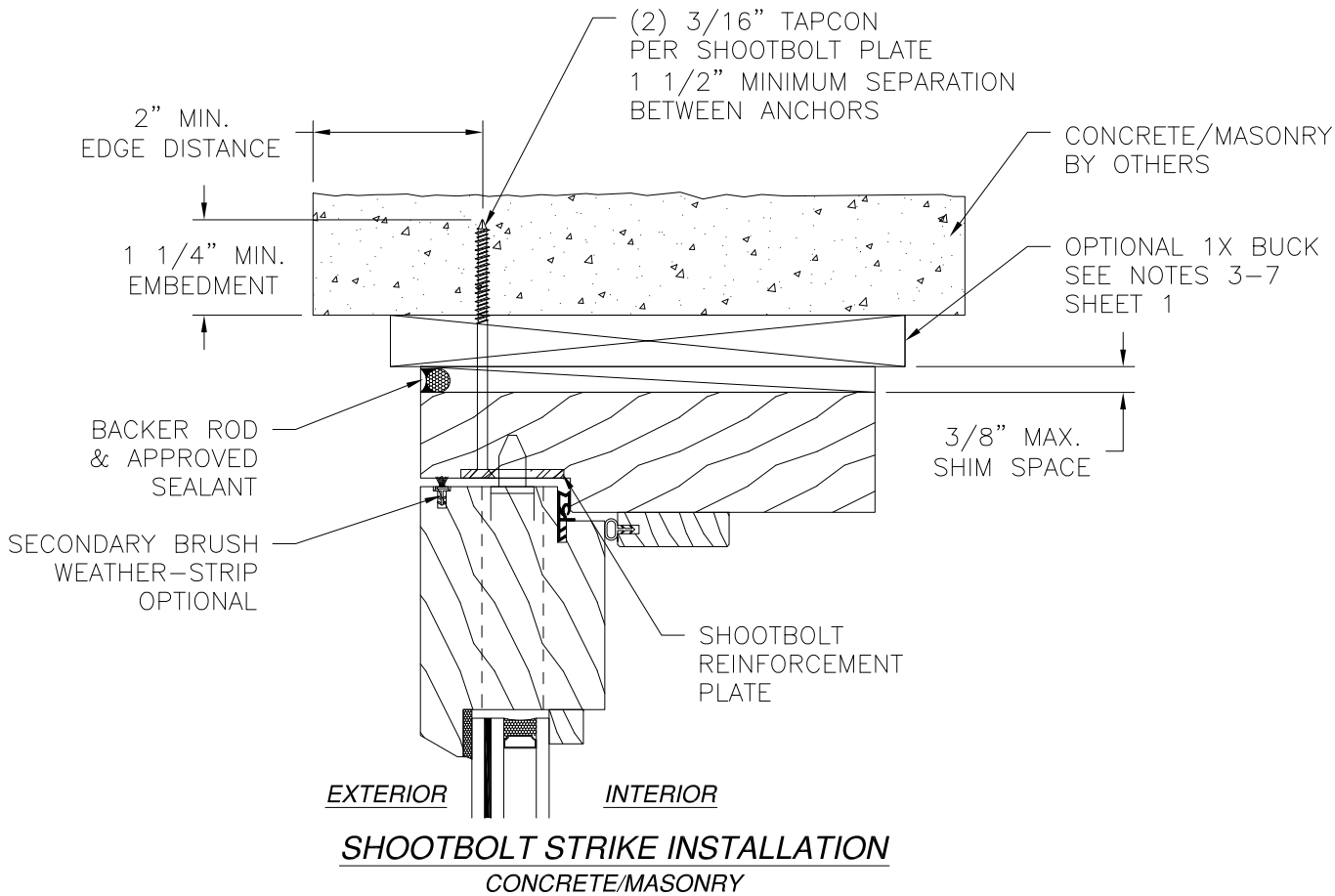
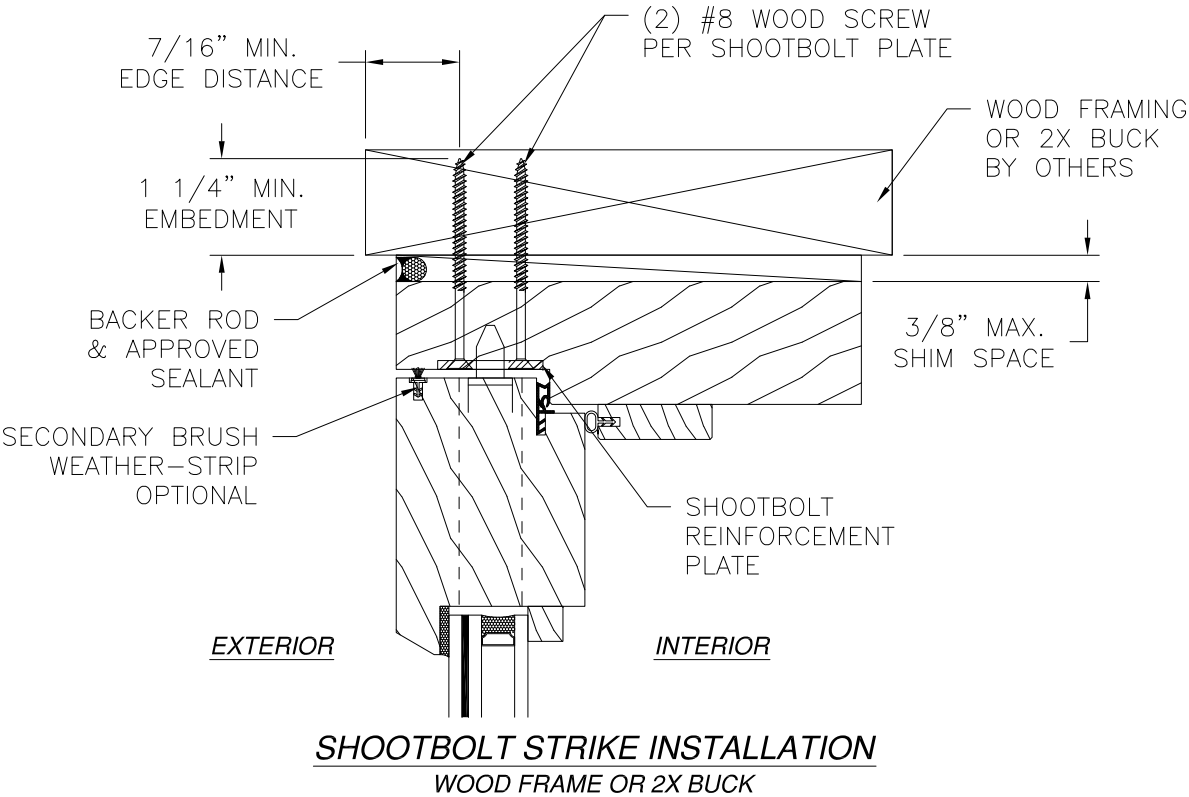
SIGNED: 01/29/2020

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 10 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

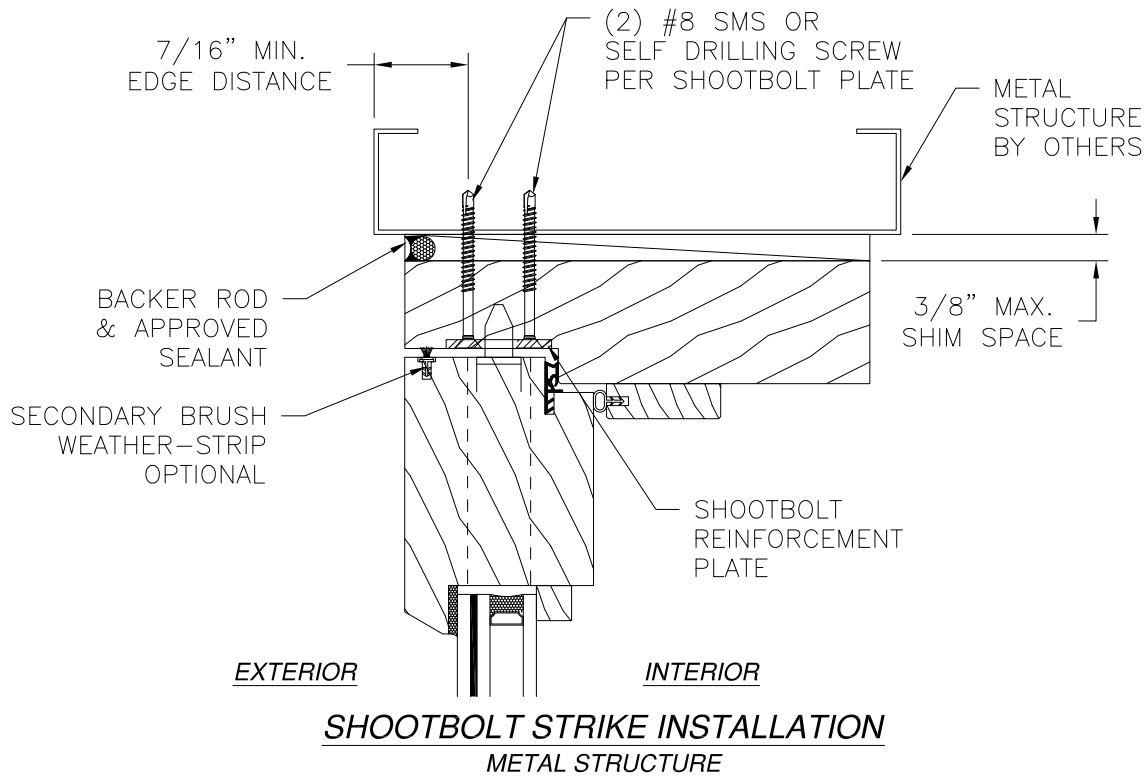


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.



- 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

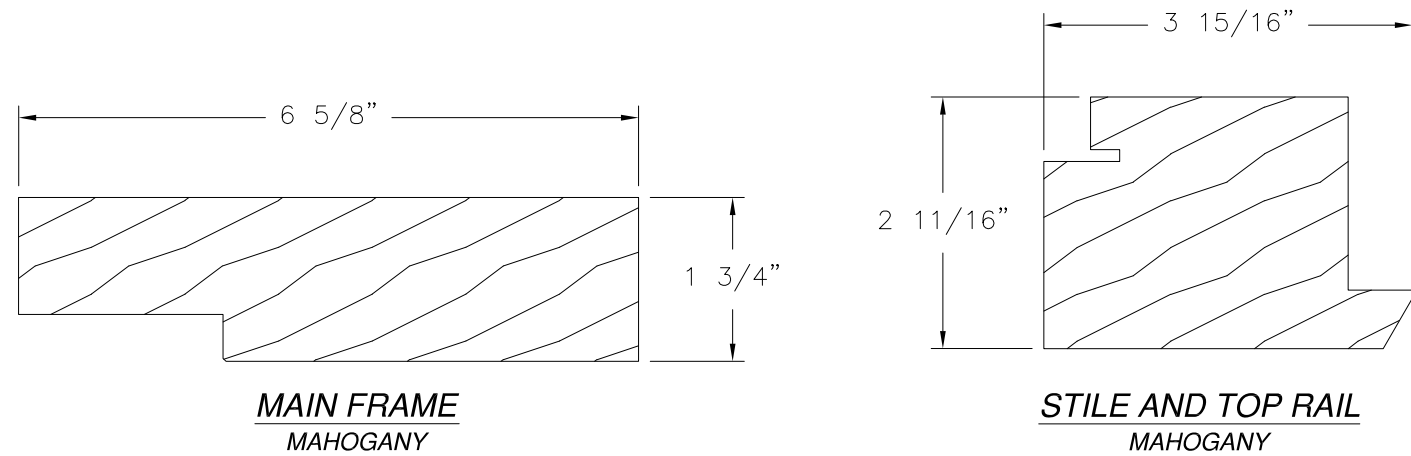


SIGNED: 01/29/2020

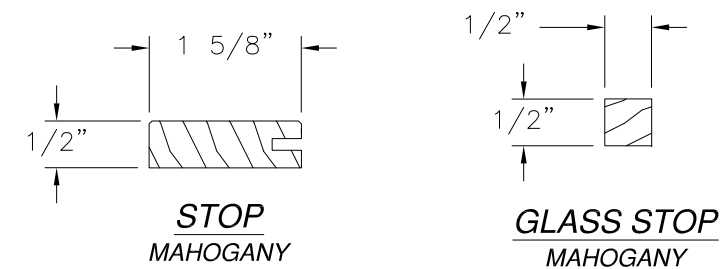
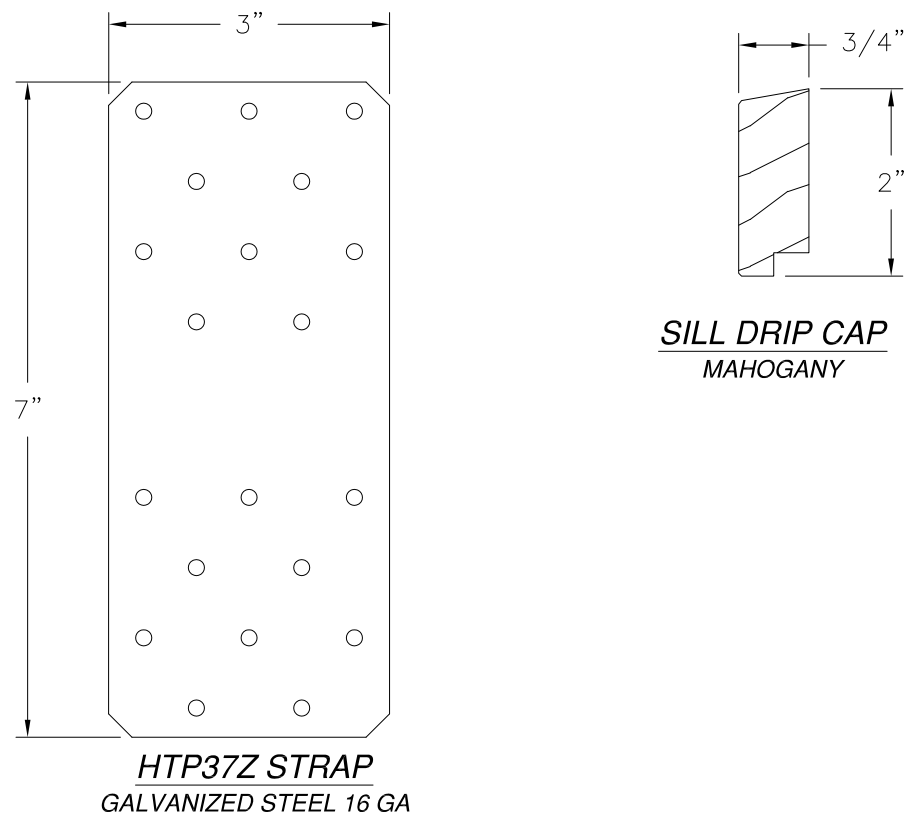
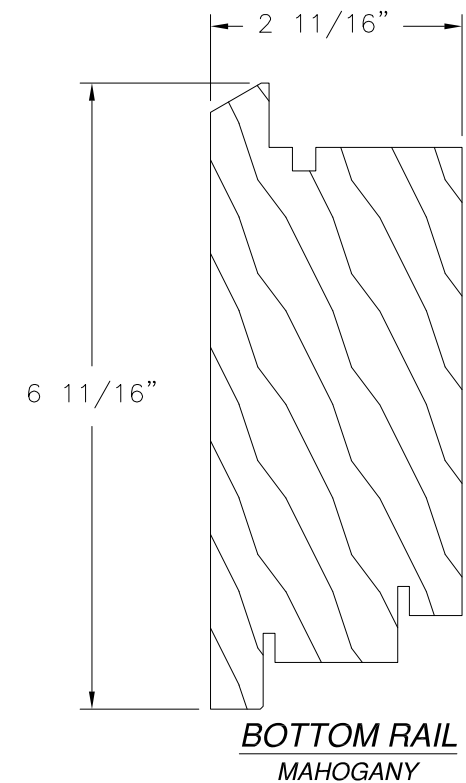
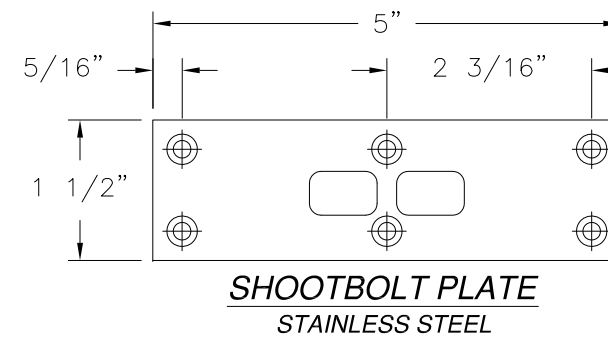
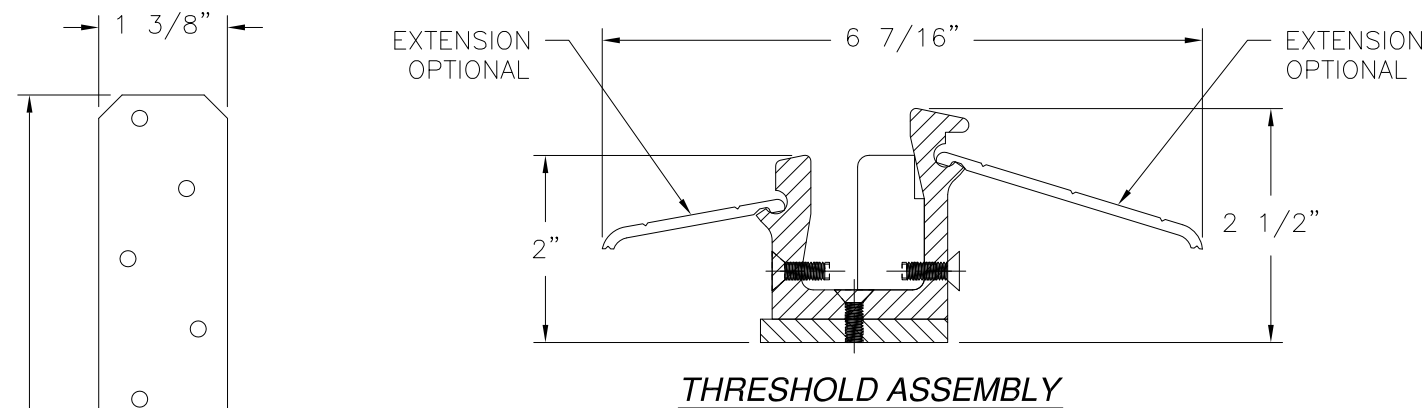
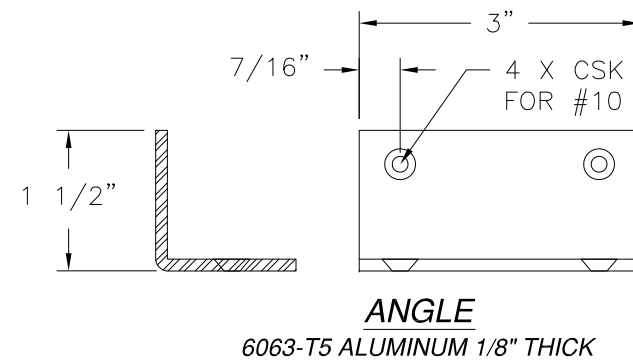
REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 11 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED MONOLITHIC GLASS	01/27/2020	R.L.



SIGNED: 01/29/2020

REVIVAL SASH 78 DIAMOND ROAD SPRINGFIELD, NJ 07081		
7100 WOOD SIDE-HINGED OUTSWING DOOR IMPACT HVHZ COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03516	REV A
SCALE NTS	DATE 11/14/19	SHEET 12 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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