



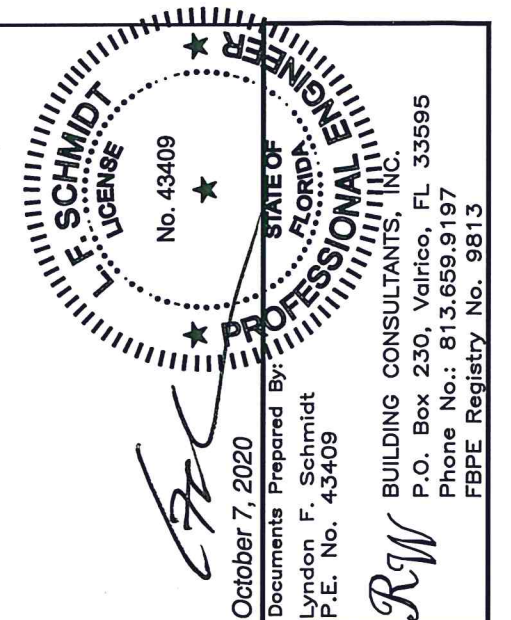
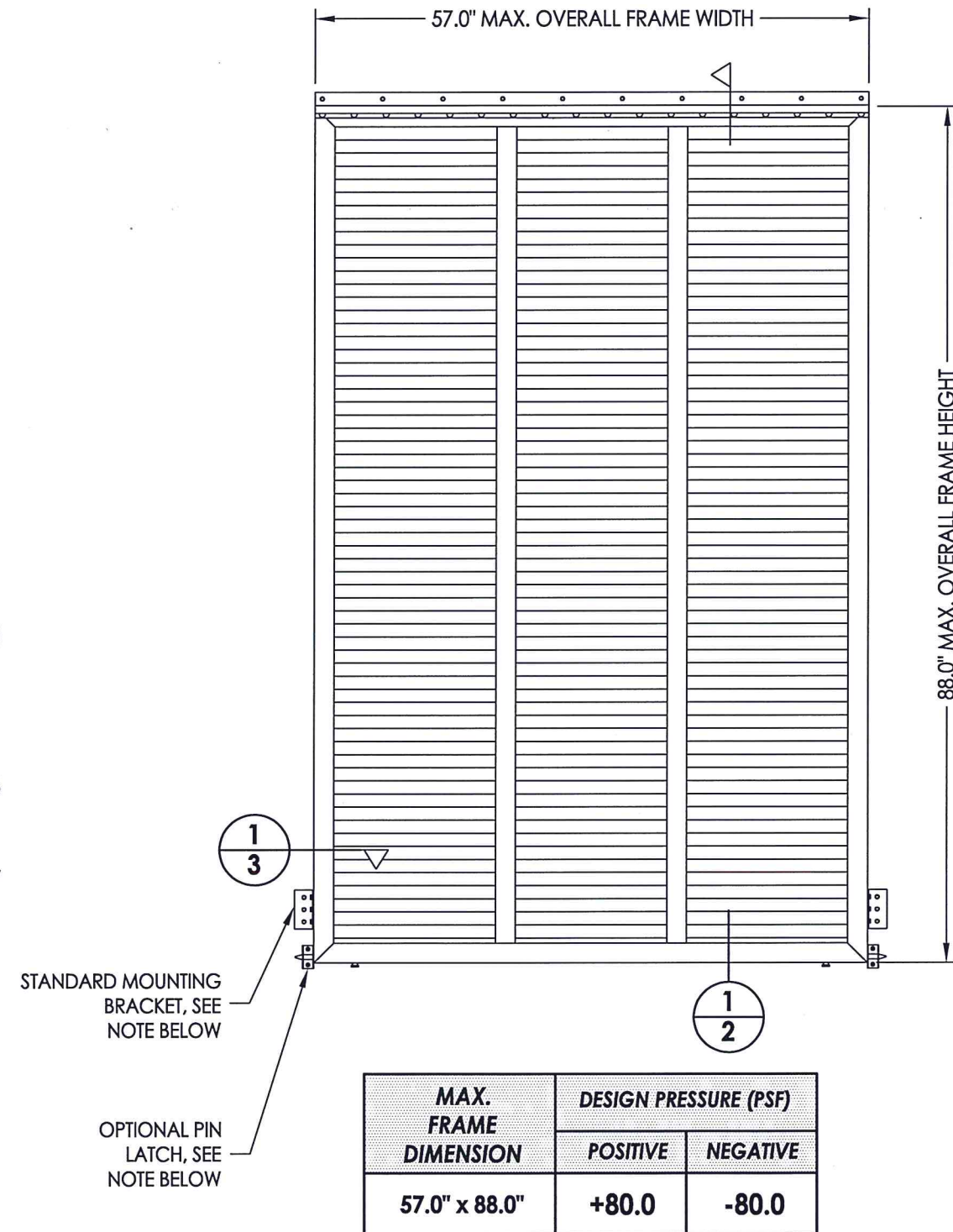
EXTRUDED ALUMINUM BAHAMA HURRICANE SHUTTER "IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "High Velocity Hurricane Zone" this product complies with FBC Section 1626 and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. Aluminum shutter material shall be 6063-T6.
7. The Engineer or Architect of Record is responsible for determining the wind loads for any specific application and to determine that the existing structure is capable of withstanding the loads imposed by the shutter system.

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SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Vertical cross sections masonry & stud construction
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4	Anchoring locations - stud installation
5	Anchor locations - masonry installation
6	Bill of materials & components



October 7, 2020

Documents Prepared By:
Lyndon F. Schmidt
P.E., No. 43409

RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
EXTRUDED ALUMINUM
BAHAMA HURRICANE SHUTTER
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
1	10/05/20	UPDATE TO 7TH ED. (2020) FBC
		LFS
		BY

DATE: 2/04/15

SCALE: N.T.S.

DWG. BY: JK

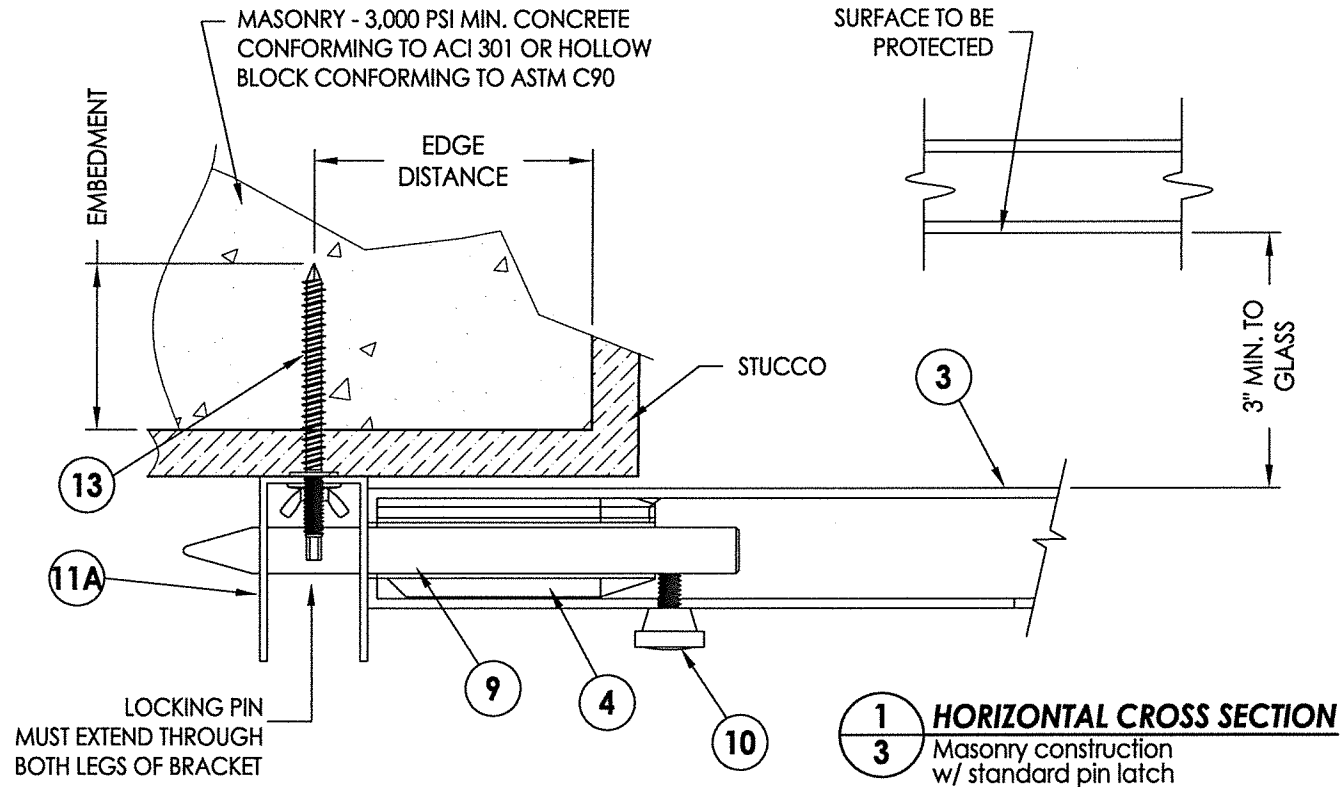
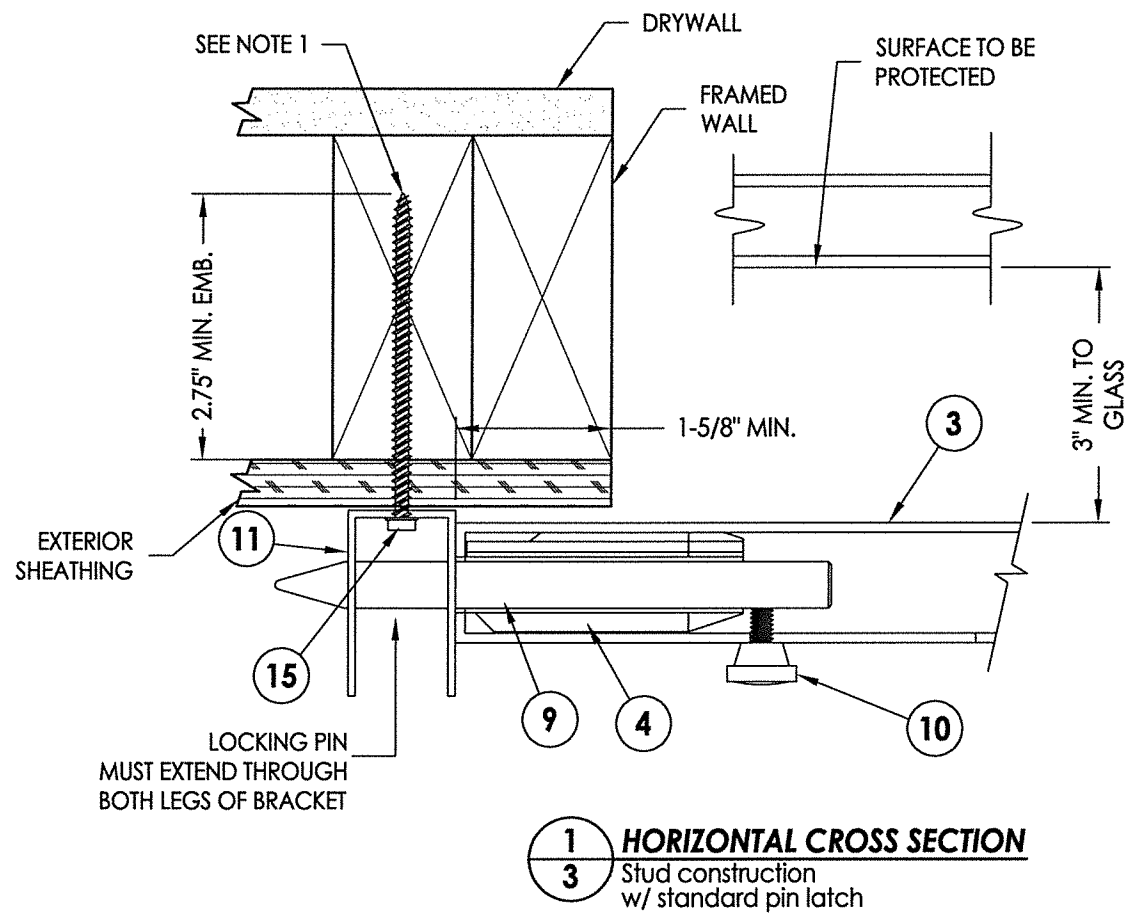
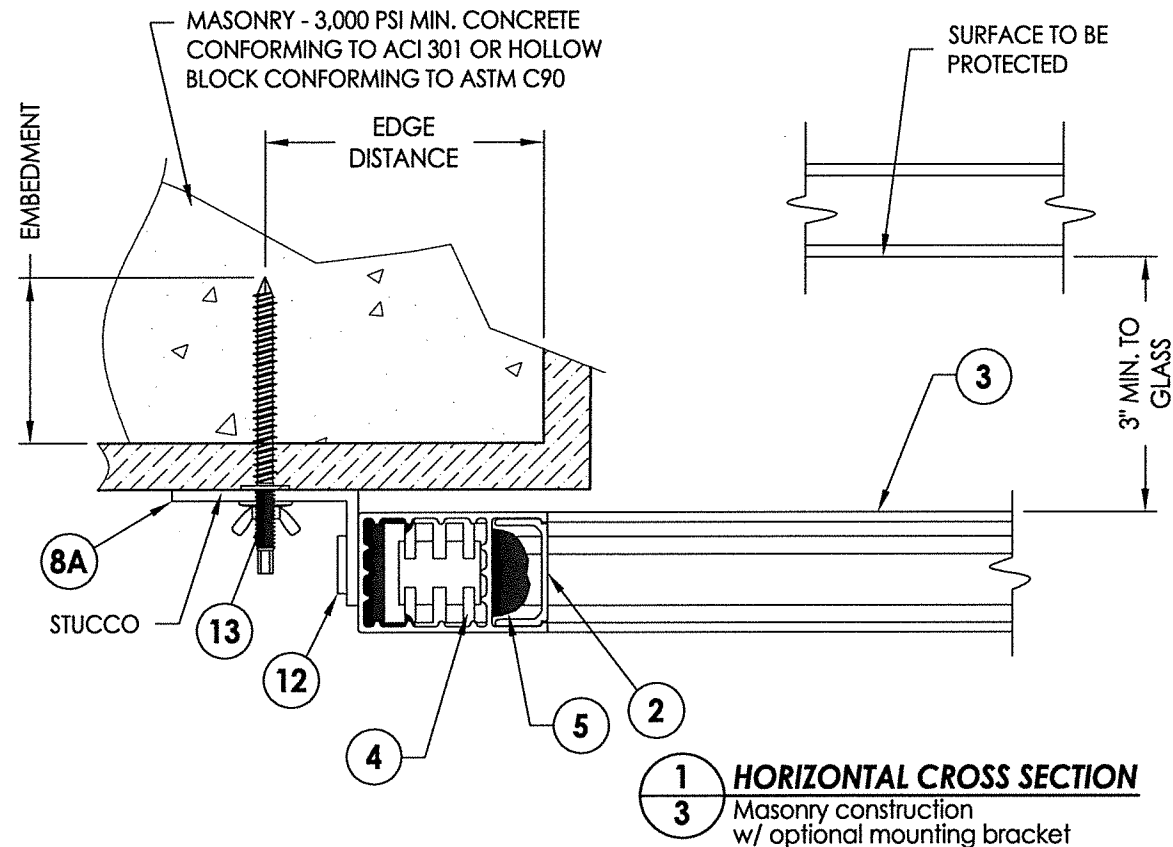
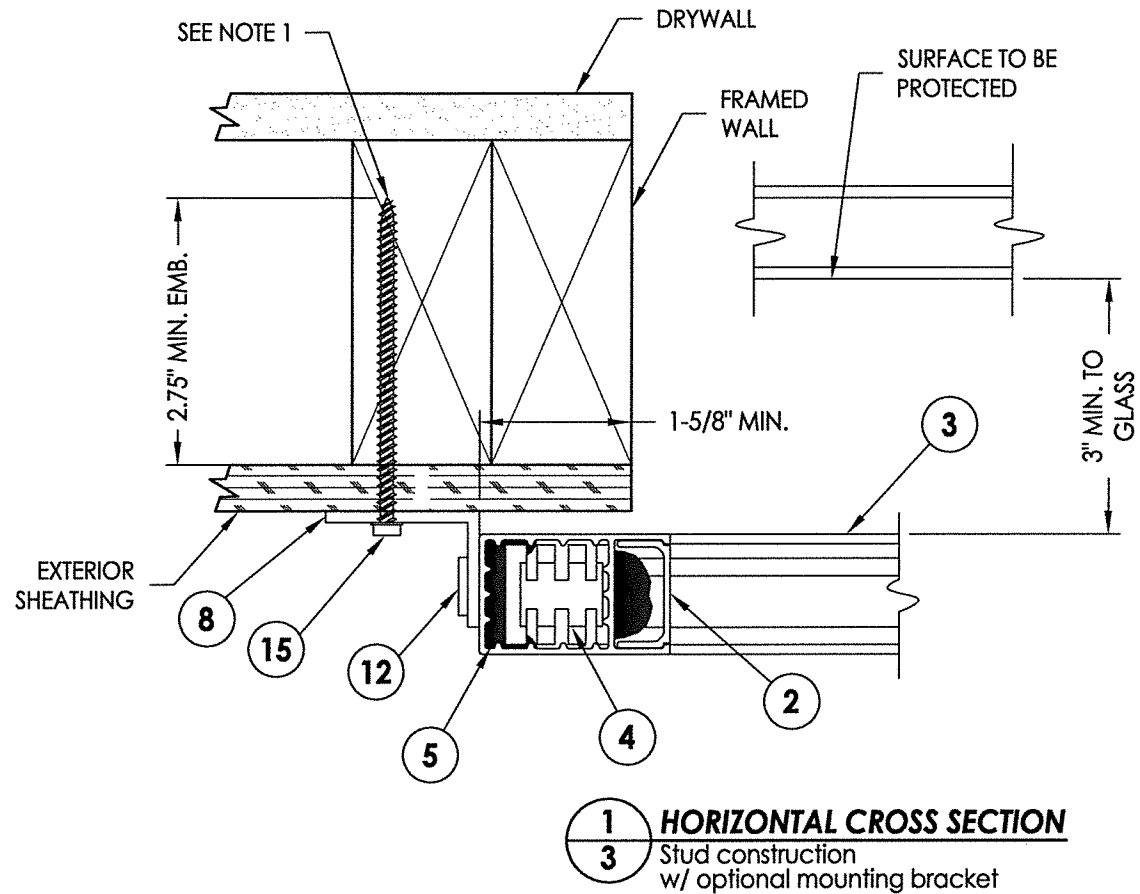
CHK. BY: LFS

DRAWING NO.:

FL-17473.1

SHEET 1 OF 6

R:\Clients\Fortified (SEI)\A - Florida Product Approvals\FL-17473\C - Drawings\FL-17473 (2020)\FL-17473.1.dwg, 1.3



NOTE 1:
MAINTAIN 1/2" MIN. EDGE DISTANCE TO EDGE OF STUD
TO PREVENT SPLITTING OF WOOD.

FLORIDA PROFESSIONAL ENGINEER
F. SCHMIDT
LICENSE
No. 43409

October 7, 2020
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PRODUCT:	EXTRUDED ALUMINUM BAHAMA HURRICANE SHUTTER
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS MASONRY & STUD CONSTRUCTION
DATE:	2/04/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17473.1
SHEET	3 OF 6

REVISIONS

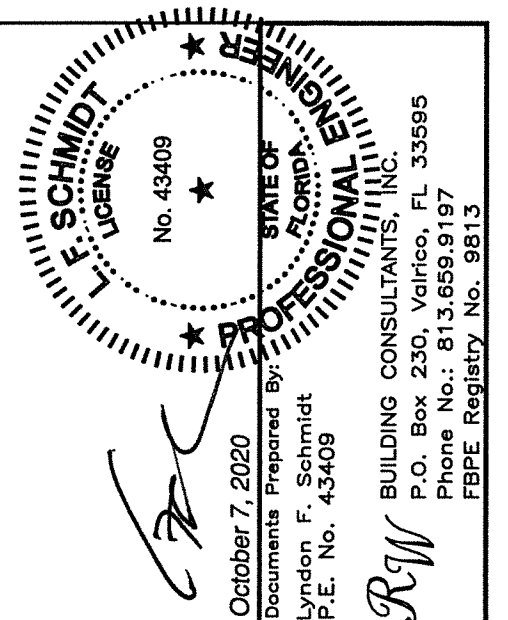
NO.	DATE	BY	LFS
1	10/05/20	UPDATE TO 7TH ED. (2020) FBC	

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THIS SIDE SHOWN ANCHORED
WITH OPTIONAL MOUNTING BRACKET

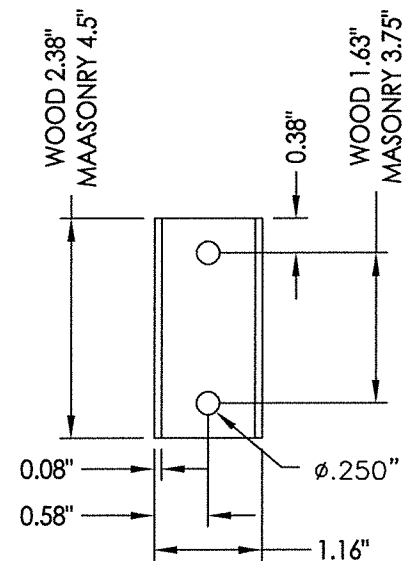
WOOD SUBSTRATE (G>=0.55)	ANCHOR #14 HWH SMS EM = 2.75" CL = 1.5" ED = 0.5"
	1/4" ELCO/DeWALT PANELMATE MALE/FEMALE EM = 2.75" CL = 1.5" ED = 0.75"

EM = MINIMUM EMBEDMENT (PENETRATION)
CL = MINIMUM CENTER TO CENTER ANCHOR SPACING
ED = MINIMUM EDGE DISTANCE

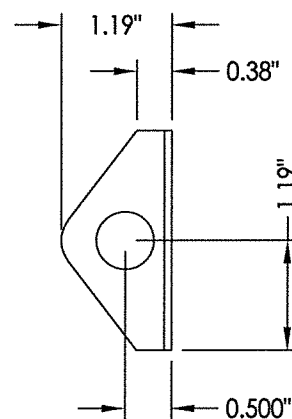


PRODUCT:		EXTRUDED ALUMINUM BAHAMA HURRICANE SHUTTER	
PART OR ASSEMBLY:		ANCHORING LOCATIONS STUD INSTALLATION	
1	10/05/20	UPDATE TO 7TH ED. (2020)	FBC LFS
NO.	DATE		BY
REVISIONS			
DATE: 2/04/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-17473.1			
SHEET 4 OF 6			

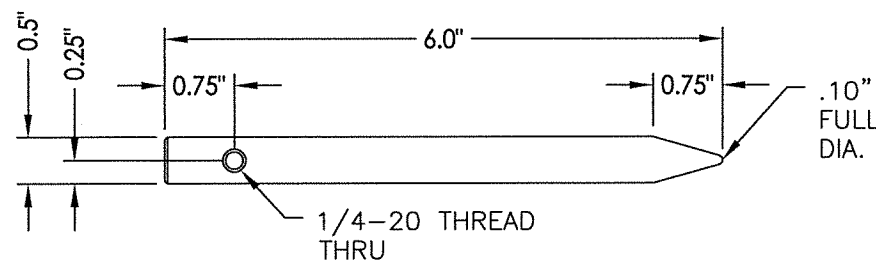
BILL OF MATERIALS		
1	LOUVER 6063-T6 0.060"	ALUM.
2	LOUVER/INSERT 6063-T6 0.060"	ALUM.
3	STILE/RAIL 6063-T6 0.060"	ALUM.
4	NYLON CORNER KEY	NYLON
5	STRUCTURAL ADHESIVE	-
6	FEMALE HINGE	ALUM.
7	MALE HINGE	ALUM.
8	MOUNTING BRACKET WOOD	ALUM.
8A	MOUNTING BRACKET MASONRY	ALUM.
9	LOCKING PIN	ALUM.
10	THUMB SCREW	STEEL
11	LATCH WOOD	ALUM.
11A	LATCH MASONRY	ALUM.
12	3/16" DIA. POP RIVET	ALUM.
13	ANCHOR - SEE MASONRY ANCHOR SCHEDULE	STEEL
14	VERTICAL SUPPORT SLAT	ALUM.



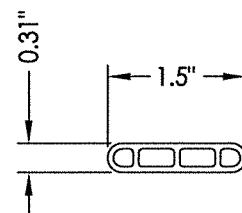
11 LATCH WOOD
ALUMINUM 6063-T6



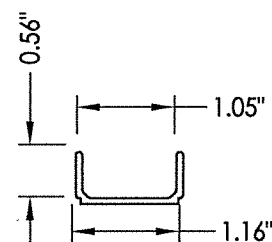
11A LATCH MASONRY
ALUMINUM 6063-T6



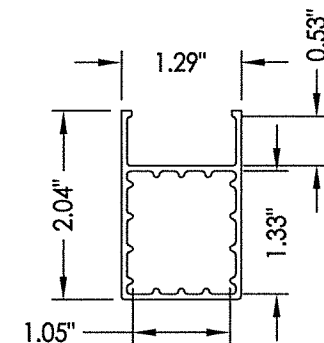
9 LOCKING PIN
ALUMINUM 6063-T6



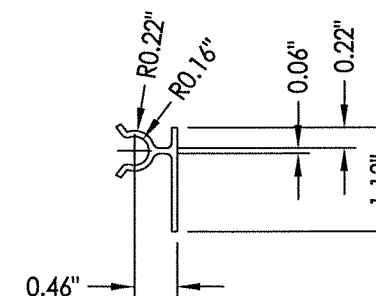
1 LOUVER
EXTRUDED ALUMINUM
6063-T6
0.060" TYP. WALL THK.



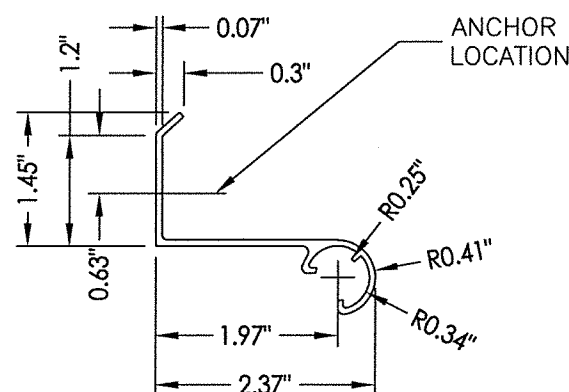
2 LOUVER/INSERT
EXTRUDED 6063-T6
0.060" TYP. WALL THK.



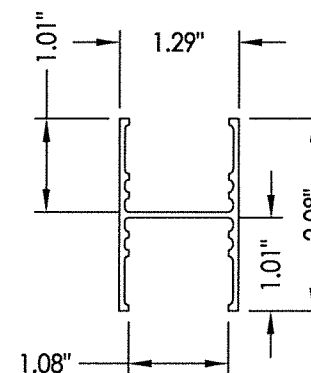
3 STILE/RAIL
EXTRUDED ALUMINUM
6063-T6
0.060" TYP. WALL THK.



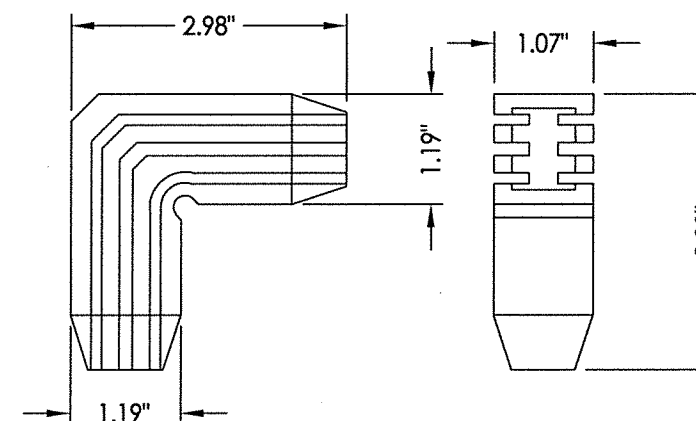
7 MALE HINGE
EXTRUDED ALUMINUM
6063-T6



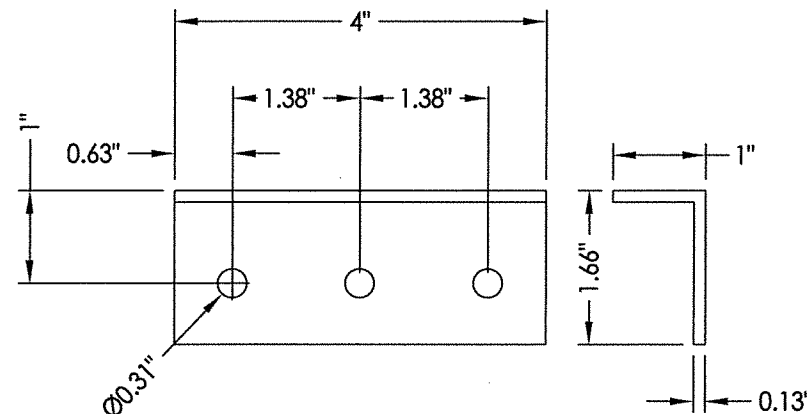
6 FEMALE HINGE
EXTRUDED ALUMINUM
6063-T6



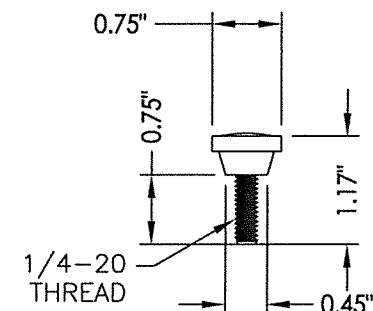
14 VERTICAL SUPPORT SLAT
ALUMINUM 6063-T6



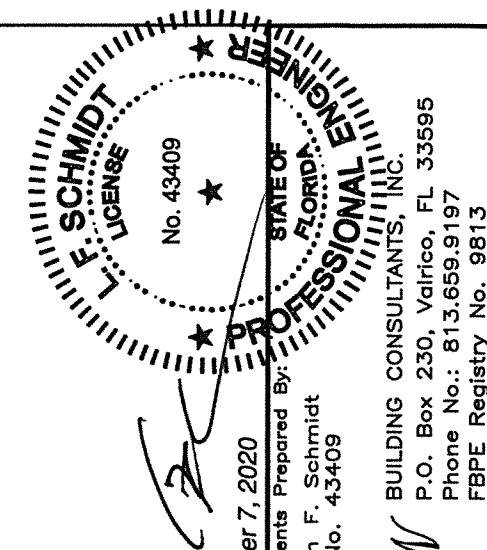
4 NYLON CORNER KEY



8 MOUNTING BRACKET - WOOD
EXTRUDED ALUMINUM
6063-T6



10 THUMB SCREW
STEEL



October 7, 2020

October 7, 2020

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FBPE Registry No. 9813

DATE: 2/04/15		PRODUCT:		EXTRUDED ALUMINUM BAHAMA HURRICANE SHUTTER PART OR ASSEMBLY:
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-17473.1				
SHEET 6 OF 6		BILL OF MATERIALS & COMPONENTS		