

WARRIOR
PROTECTION SCREENS

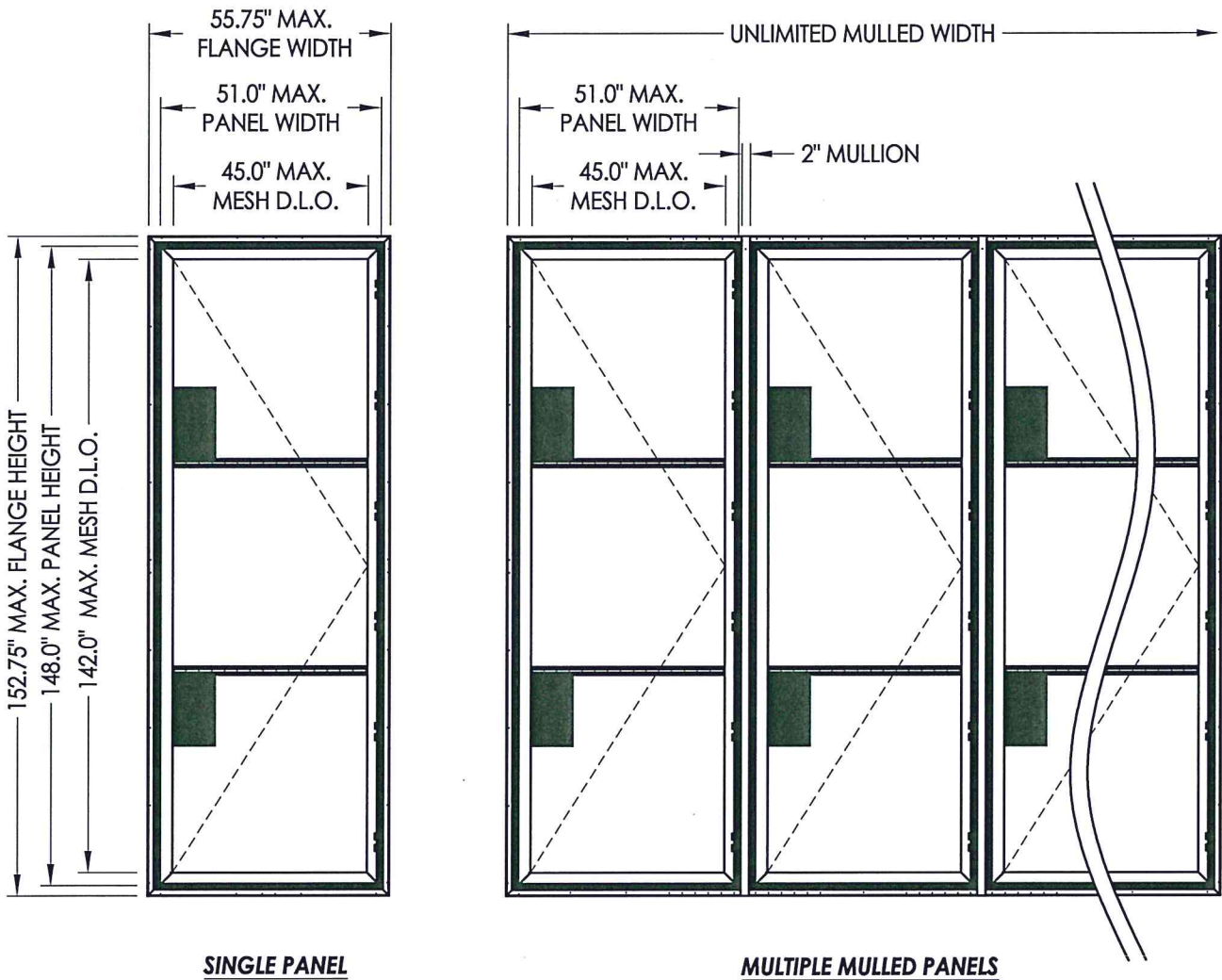
A Division of Lambs & Warriors Incorporated

"WARRIOR-GUARD II"
SECURITY / STORM PANEL
"IMPACT"

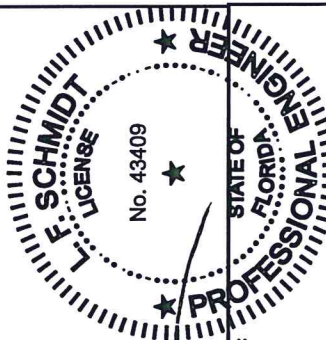
GENERAL NOTES

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 "HVHZ", this product complies with Section 1626 of the Florida Building Code 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 Section 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 Section 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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Table of contents and test elevation
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3	Elevatons
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5	Horizontal and vertical cross sections
6	Glass separation vertical cross sections
7	Single panel frame anchoring
8	Multiple mulled panel frame anchoring
9	Single panel frame anchoring
10	Multiple mulled panel frame anchoring
11	Bill of materials and components



ORIENTATION	MAX OVERALL FLANGE DIMENSION	MAX OVERALL PANEL DIMENSION	MAX MESH D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
VERTICAL	55.75" X 152.75"	51.0" X 148.0"	45.0" X 142.0"	+85.0	-115.0



October 14, 2020

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

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

PRODUCT: WARRIOR-GUARD II

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

[illegible]

DATE: 8/12/20

SCALE: N.T.S.

DWG. BY: *RW*

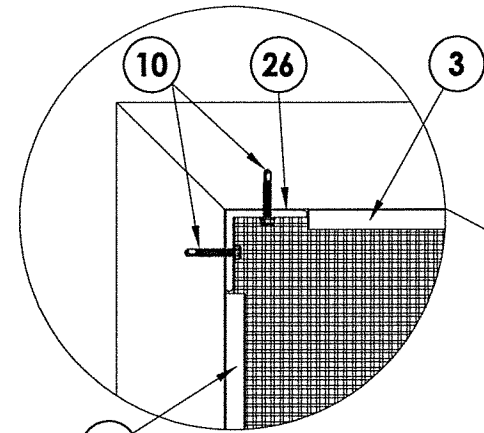
CHK. BY: LFS

DRAWING NO.:

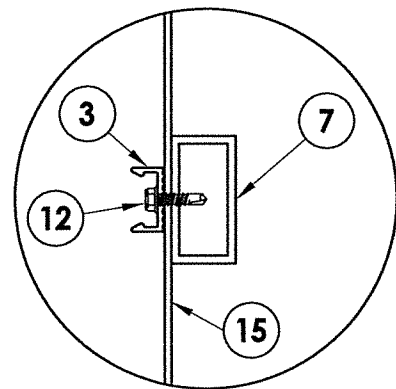
FL-33004.2

SHEET 1 OF 11

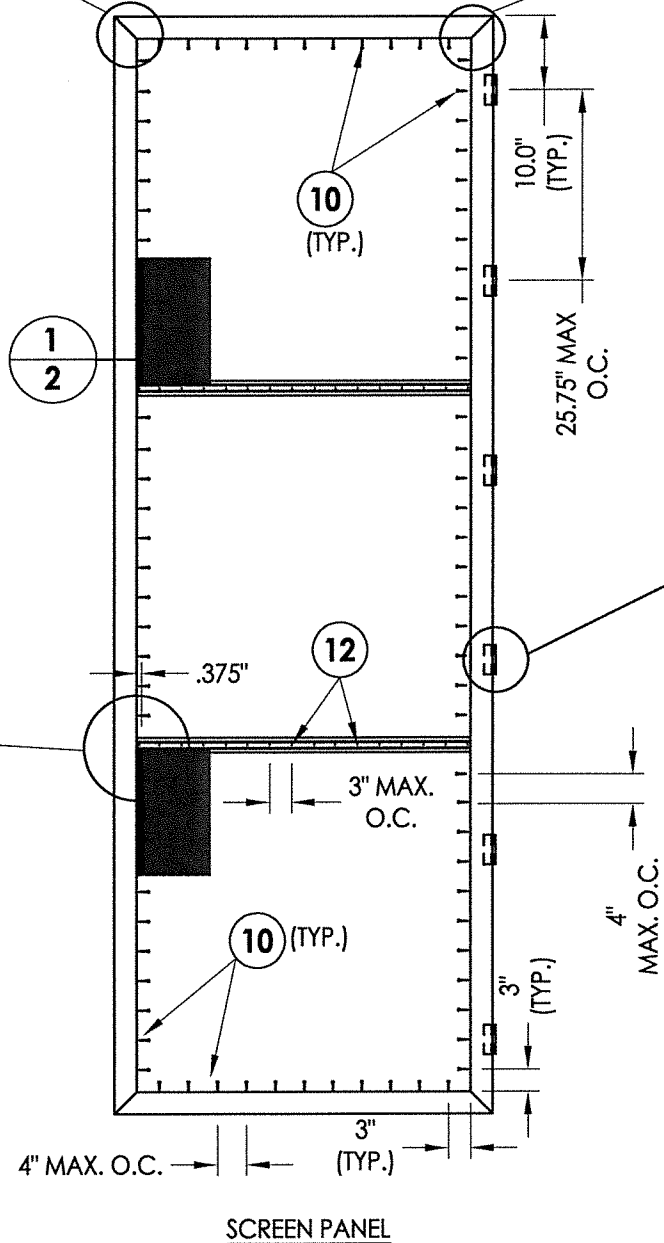
R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 2.2



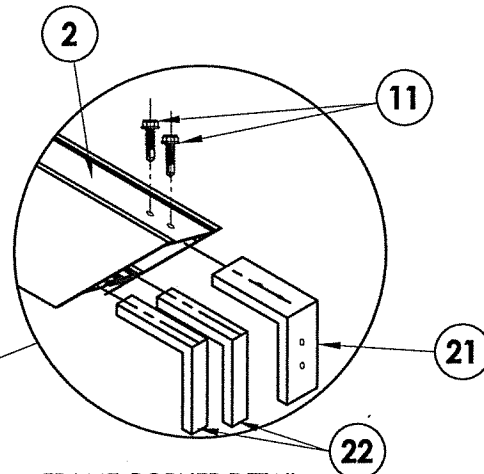
SCREEN CORNER DETAIL
Lock side only



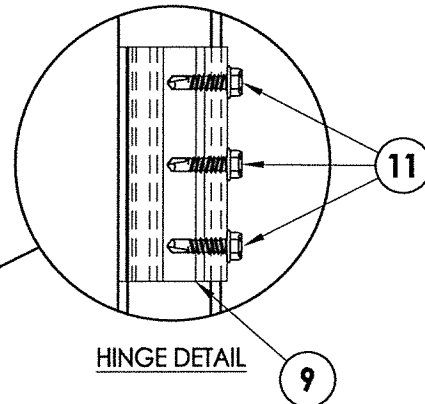
HORIZONTAL SUPPORT BAR DETAIL
Horizontal bar required at centerline
for all panel heights > 48" and at
1/3 points for all panel heights > 96"



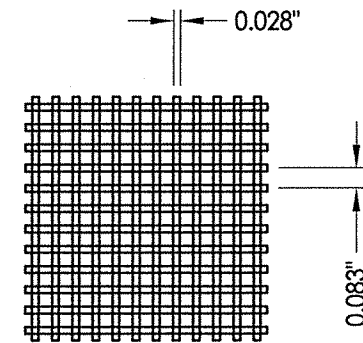
SCREEN PANEL



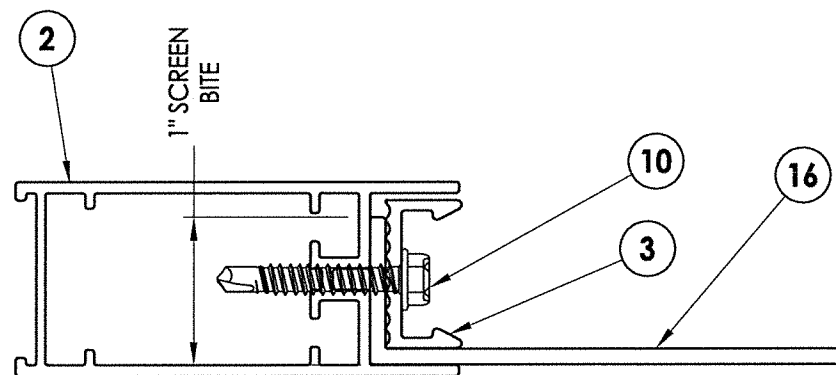
FRAME CORNER DETAIL



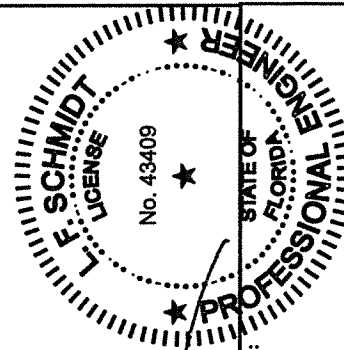
HINGE DETAIL



16 WIRE CLOTH MESH (12 X12)
Wire diameter: 0.028"
Stainless Steel (304)
open area: 56%



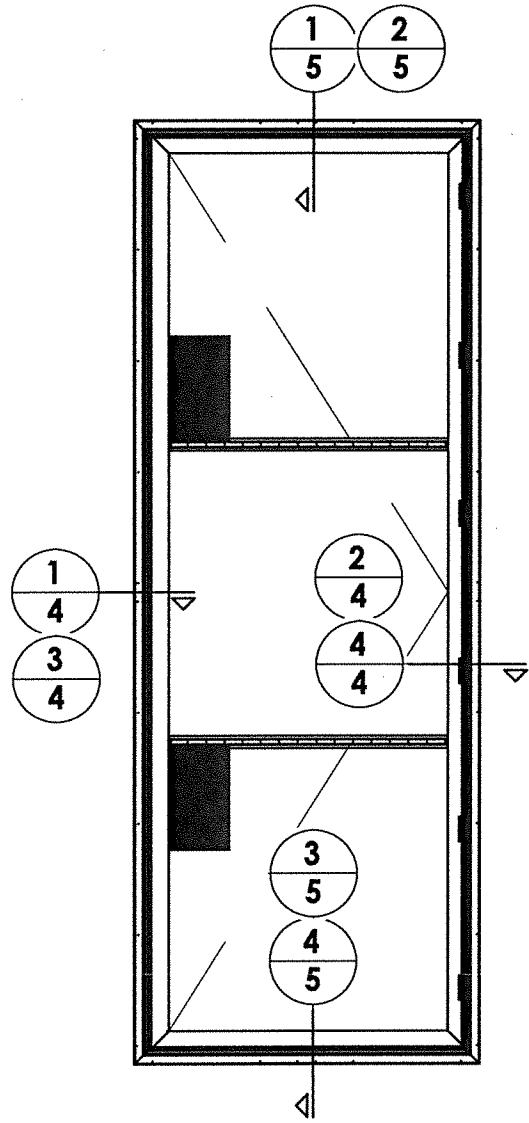
1 2 HORIZONTAL CROSS SECTION



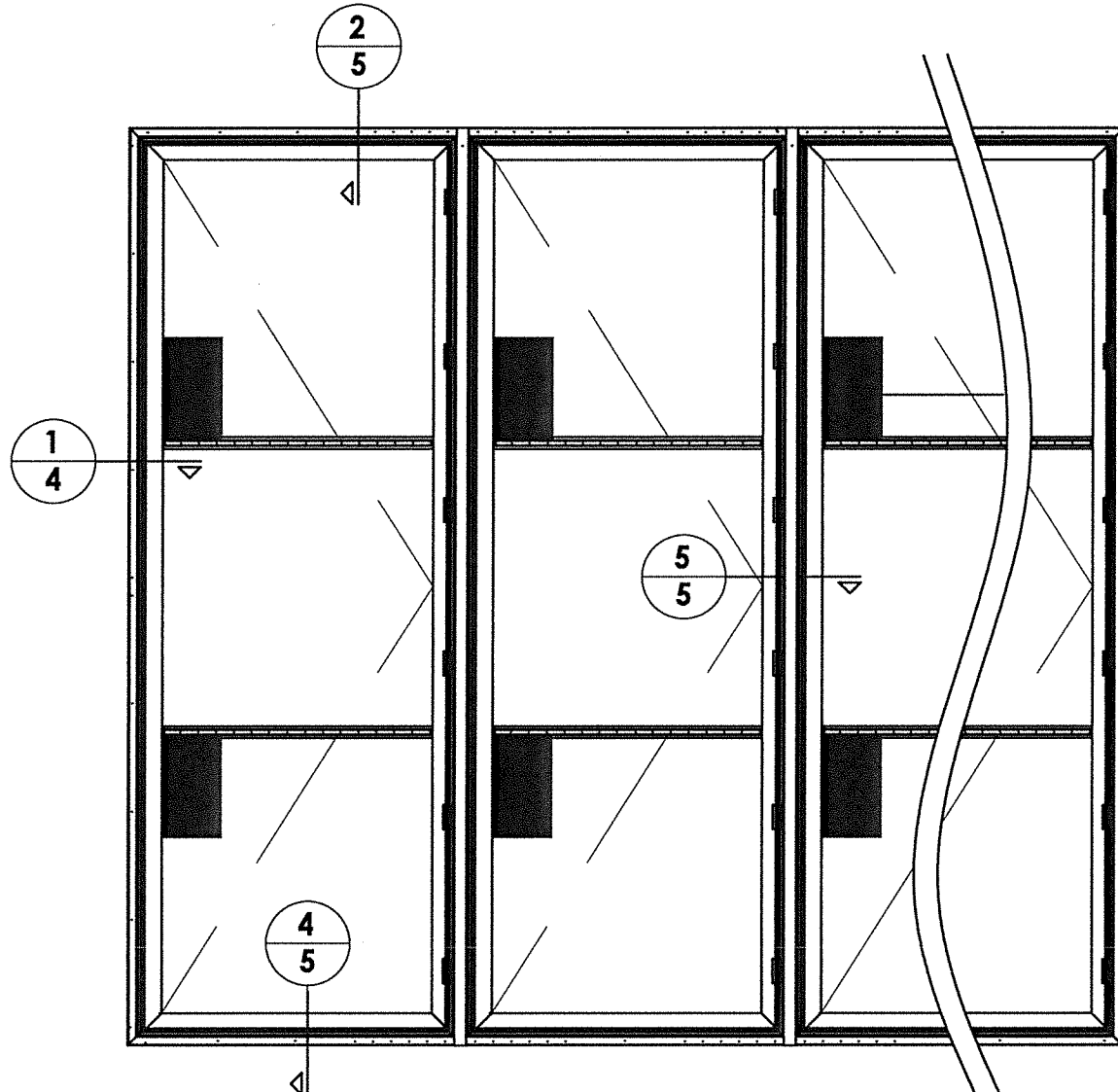
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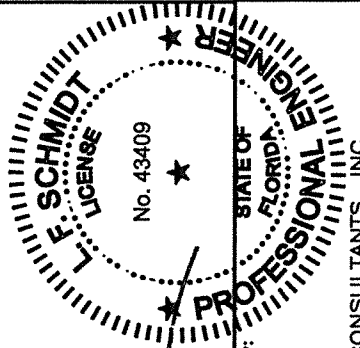
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PART OR ASSEMBLY:		PANEL DETAILS	
NO.	DATE	UPDATE TO	BY
1	10/14/20	UPDATE TO 7TH ED. (2020)	LFS
REVISIONS			
DATE: 8/12/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-33004.2			
SHEET 2 OF 11			



SINGLE PANEL
Vertical Orientation



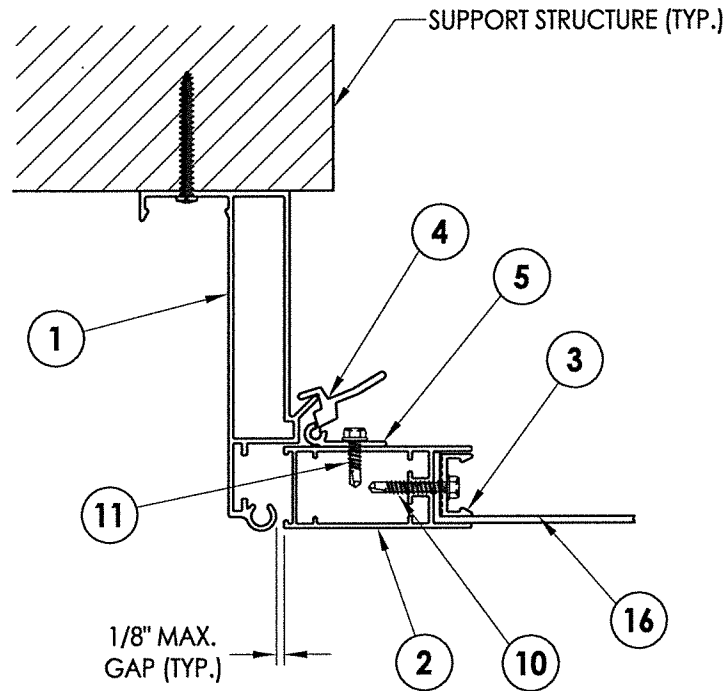
MULTIPLE PANELS
Vertical Orientation



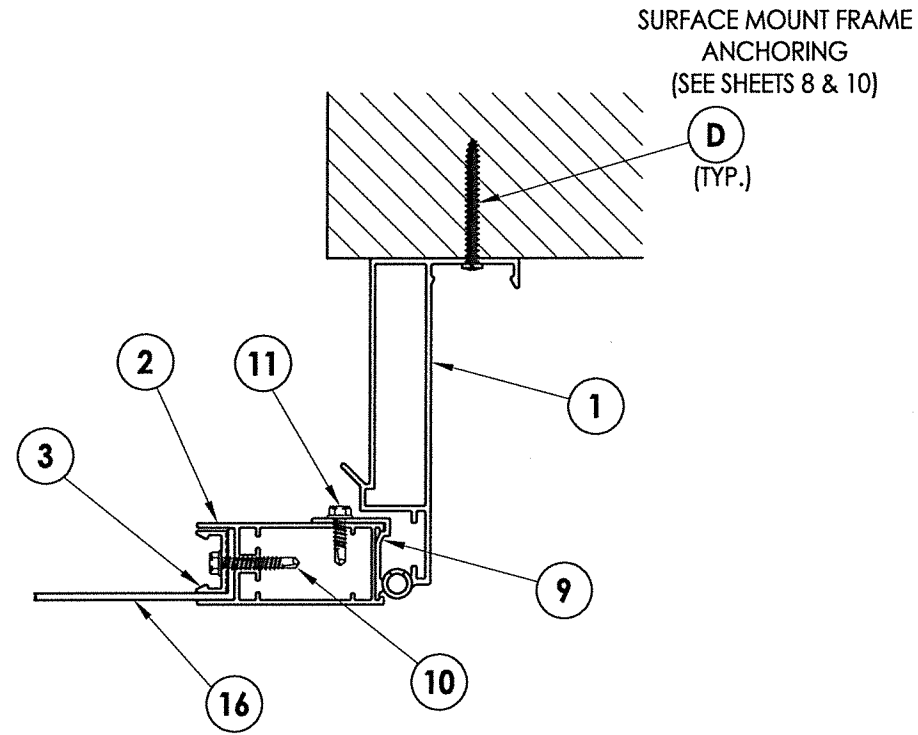
October 14, 2020
Documents Prepared By:
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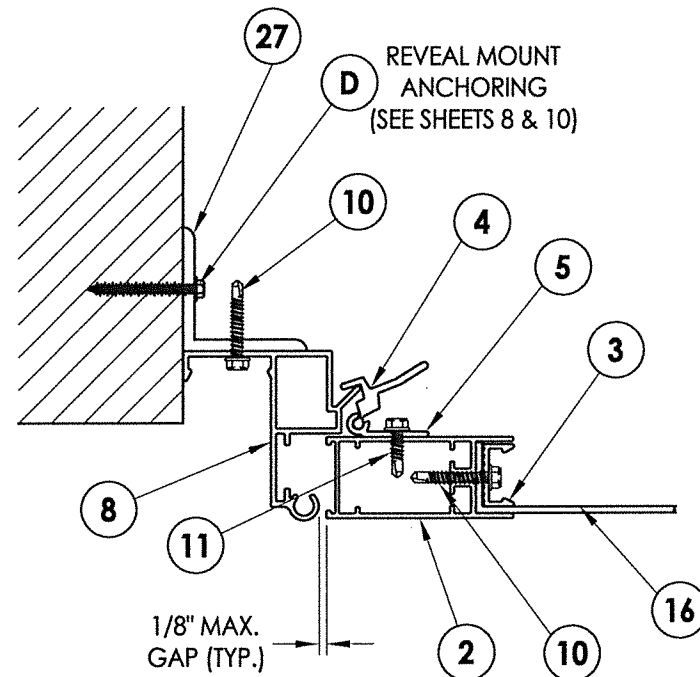
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PART OR ASSEMBLY:		ELEVATIONS	
1	10/14/20	UPDATE TO 7TH ED. (2020)	FBC
			LFS
NO.	DATE		BY
REVISIONS			
DATE: 8/12/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL – 33004.2			
SHEET 3 OF 11			



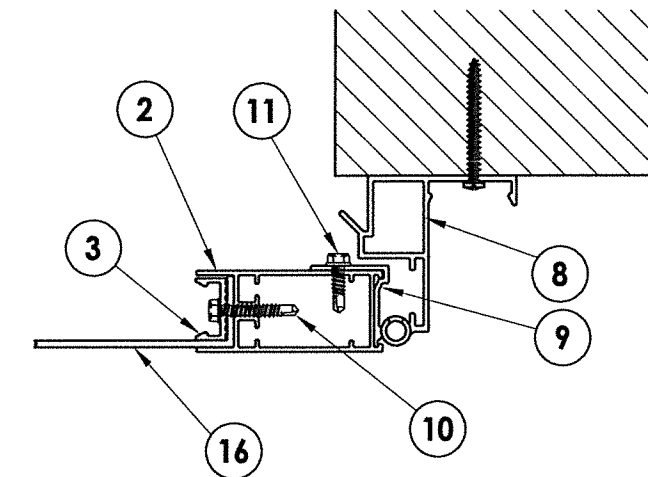
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4 **HORIZONTAL CROSS SECTION**



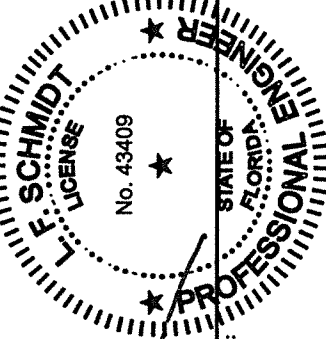
2
4 **HORIZONTAL CROSS SECTION**



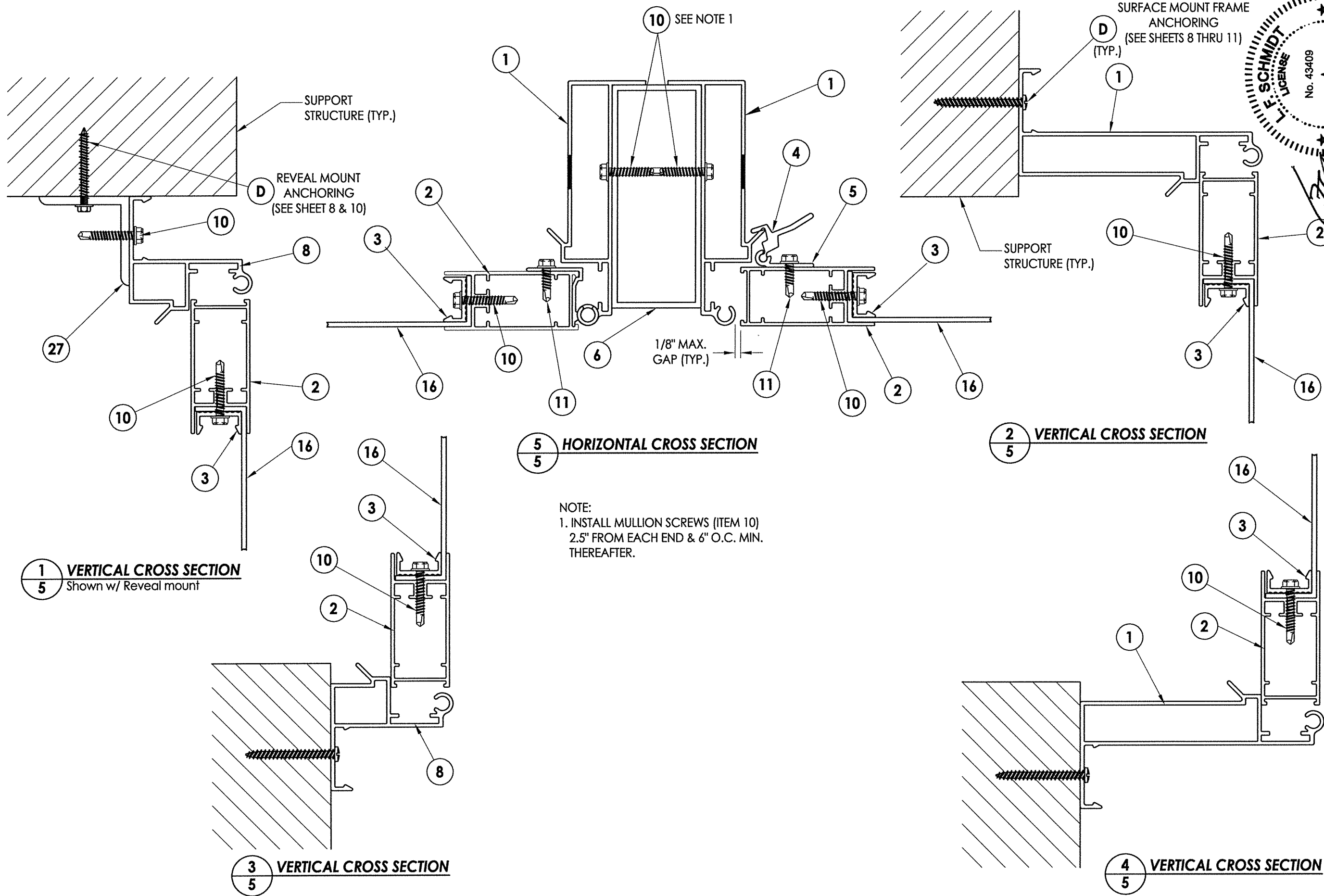
3
4 **HORIZONTAL CROSS SECTION**
Shown w/ Reveal mount



4
4 **HORIZONTAL CROSS SECTION**


 October 14, 2020
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 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:		WARRIOR-GUARD II	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	DATE
1	10/14/20	LFS	8/12/20
REVISIONS			
DATE: 8/12/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-33004.2			
SHEET 4 OF 11			



A circular professional engineer seal for L.F. Schmidt, No. 43409, State of Florida. The seal features a double-lined circular border. Between the lines, the text "L.F. SCHMIDT" is written along the top arc, "No. 43409" is in the center, and "STATE OF FLORIDA" is along the bottom arc. The words "LICENSE" and "PROFESSIONAL ENGINEER" are also visible, separated by stars.

October 14, 2020

Documents Prepared By:
Lyndon F. Schmidt

PROFESSIONAL

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

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DATE: 8/12/20		PRODUCT: <u>WARRIOR—GUARD II</u>	
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS	
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL—33004.2			
SHEET 5 OF 11			

Technical drawing of a window frame cross-section. The drawing shows the installation of a new glass unit. Key components and labels include:

- EXISTING GLASS**: Points to the current glass in the frame.
- 1**: Points to the new glass unit being installed.
- 6**: Points to the window frame or sash.
- 1 (TYP.)**: Points to a typical detail of the glass unit.

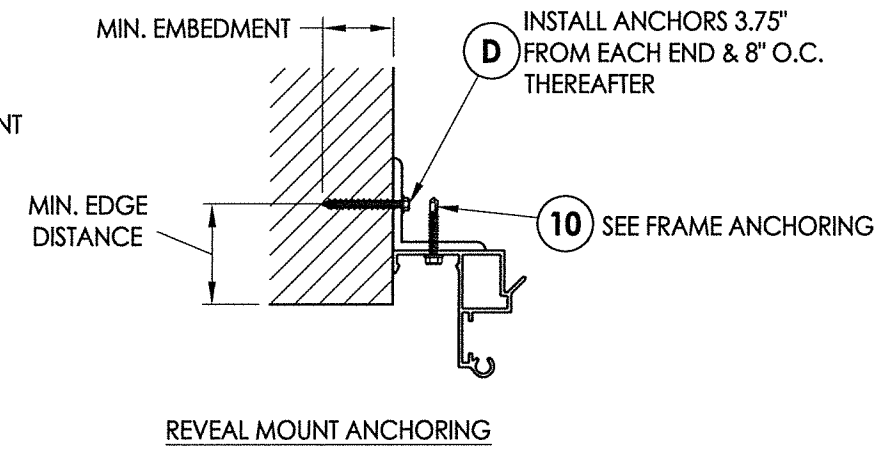
A circular stamp in the top right corner reads "F. SCHMIDT LICENSE" and "No. 43409".

F. SCHMIDT
LICENSE
No. 43409
STATE OF FLORIDA
PROFESSIONAL ENGINEER

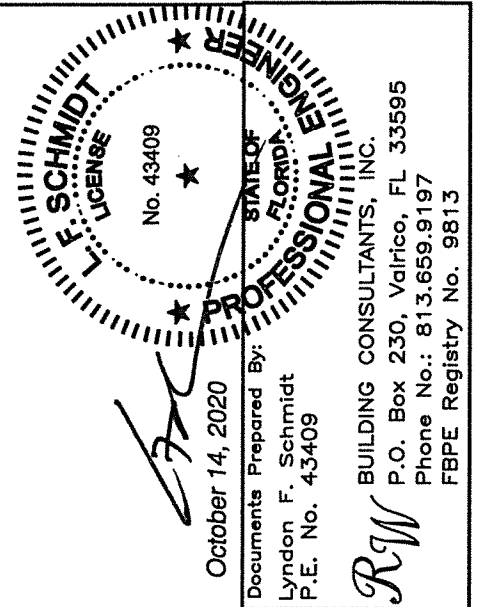
INSULSTANTS, INC.
O. Valrico, FL 33595
813.659.9197
Y No. 9813

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

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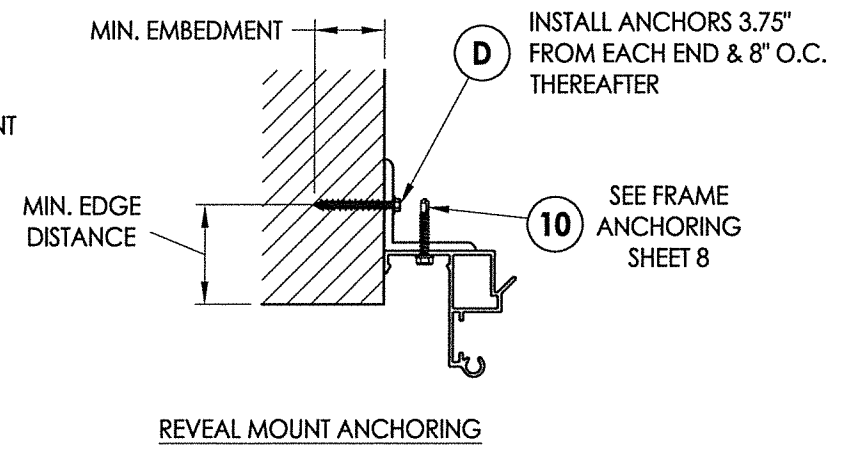
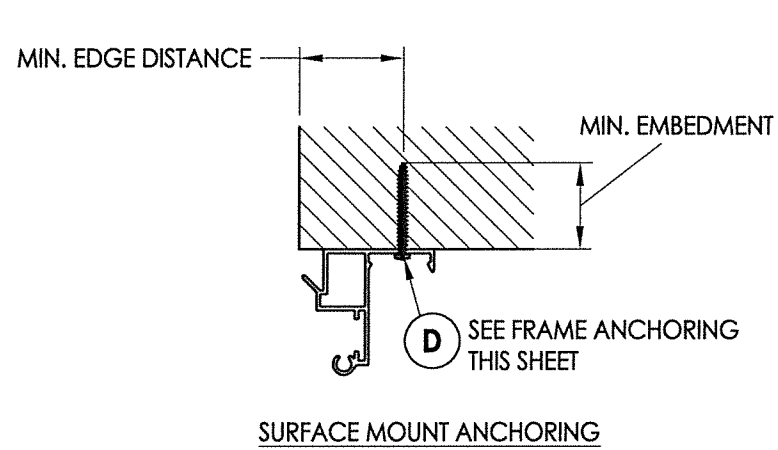
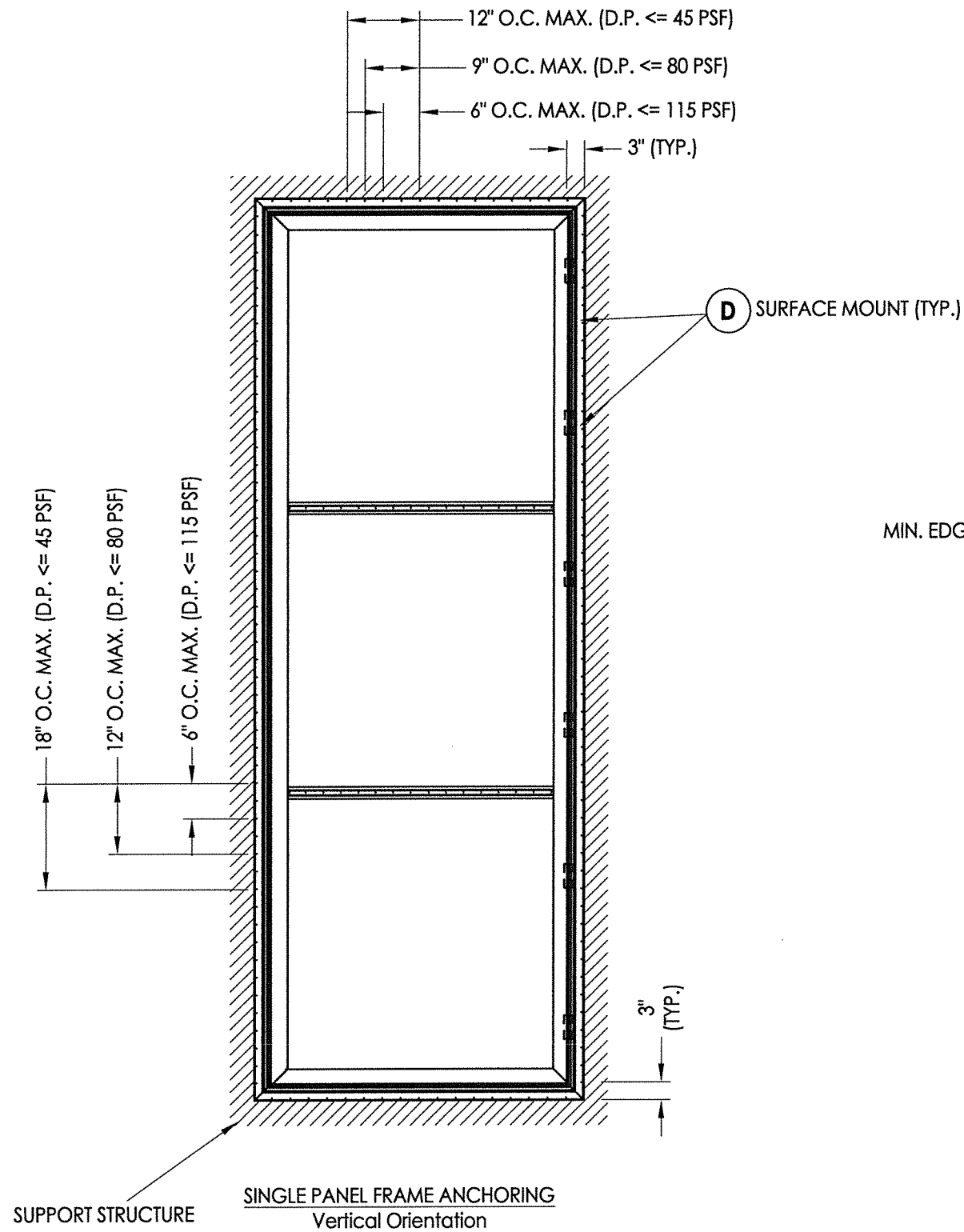


WOOD FRAMING - ANCHOR SCHEDULE	
Ⓓ ANCHOR	SUPPORT STRUCTURE & INSTALLATION LIMITATIONS
#12 SHEET METAL SCREW	WOOD FRAMING MAIN MEMBER ($G \geq 0.55$ MIN.) EMBEDMENT = 1.75" MIN., EDGE DISTANCE = 0.75" MIN.



DATE: 8/12/20		PRODUCT: WARRIOR-GUARD II	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-33004.2			
SHEET 7	OF 11	PART OR ASSEMBLY: SINGLE PANEL FRAME ANCHORING	
NO. 1 10/14/20 UPDATE TO 7TH ED. (2020) FBC LFS NO. DATE BY		REVISIONS	

R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 2.9



MASONRY - ANCHOR SCHEDULE		
D ANCHOR	SUPPORT STRUCTURE & INSTALLATION LIMITATIONS	MANUFACTURER
1/4" CONCRETE ANCHOR	CONCRETE = 3,000 PSI MIN. (CONFORMING TO ACI 301) OR HOLLOW BLOCK (CONFORMING TO ASTM C90) EMBEDMENT = 1.25" MIN., EDGE DISTANCE = 2.5" MIN., CL = 3.0" MIN.	ITW BUILDEX

FLORIDA
SCHMIDT
LICENSE
No. 43409

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

October 14, 2020

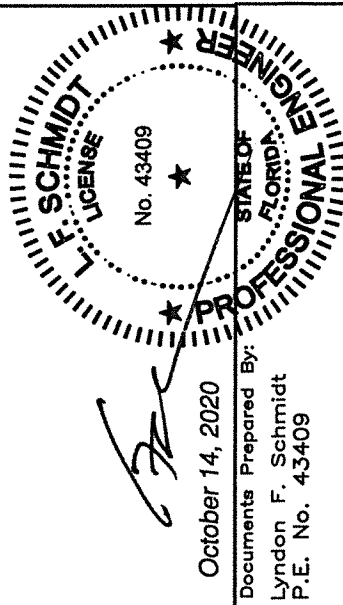
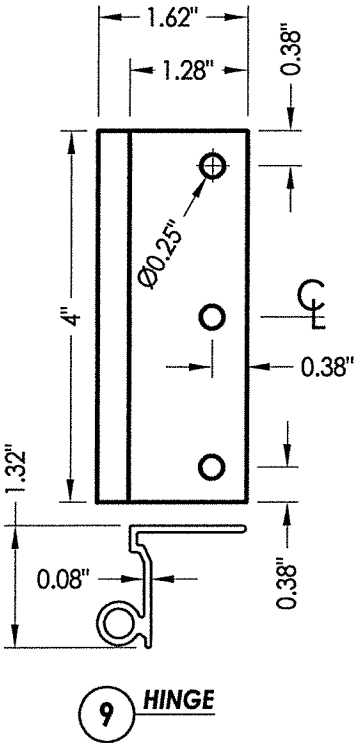
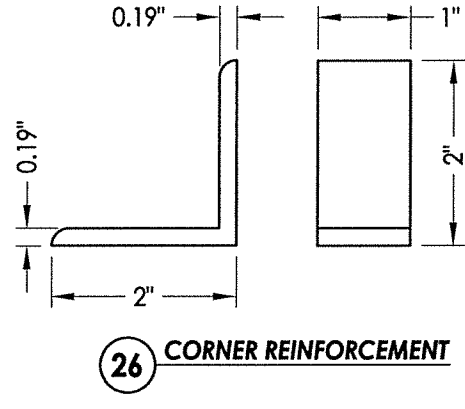
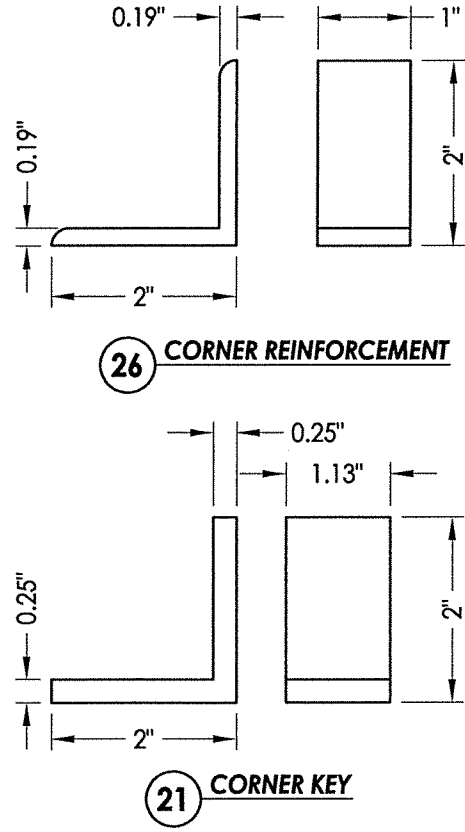
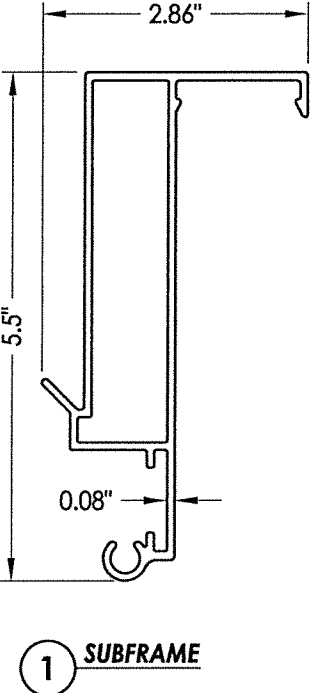
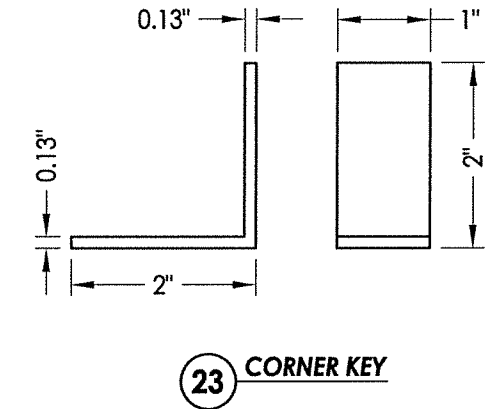
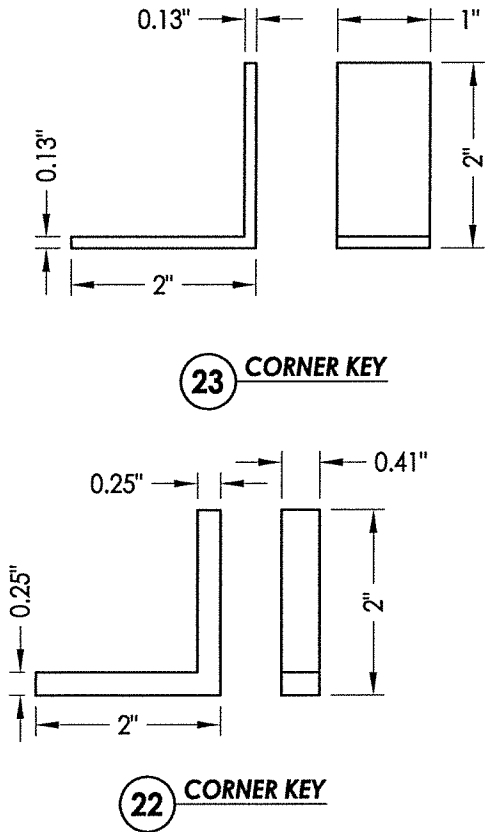
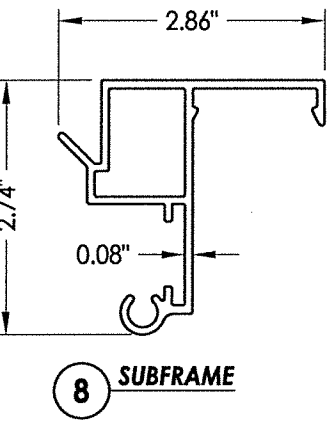
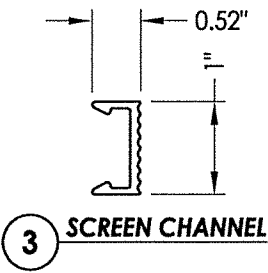
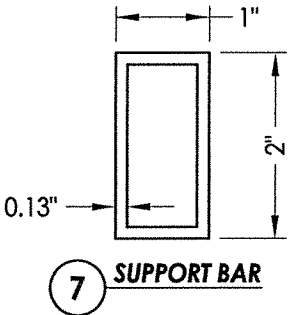
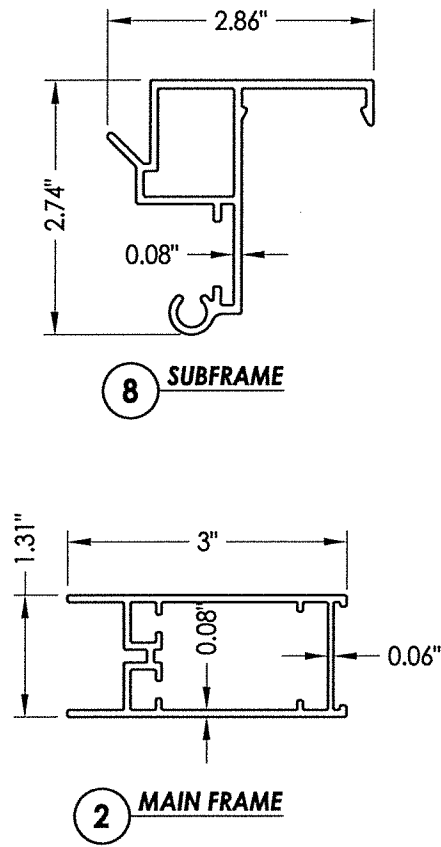
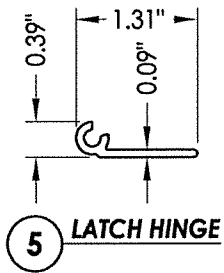
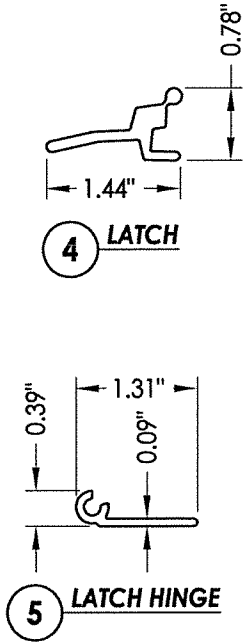
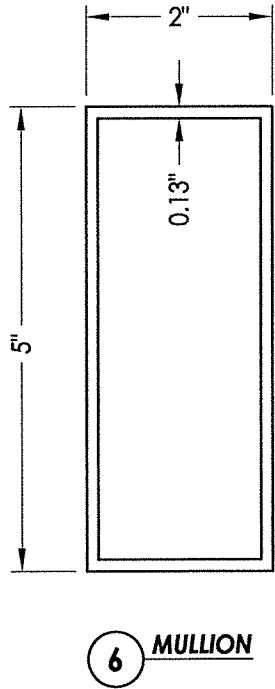
Documents Prepared By:
Lyndon F. Schmidt
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RW

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

PRODUCT:		WARRIOR-GUARD II		PART OR ASSEMBLY:		SINGLE PANEL FRAME ANCHORING	
	</						

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
D	SEE SHEET 8 FOR ANCHORING	-
1	SUBFRAME (5.5)	6063-T6 ALUM
2	MAIN FRAME	6063-T6 ALUM
3	SCREEN CHANNEL	6063-T6 ALUM
4	LATCH	6063-T6 ALUM
5	LATCH HINGE	6063-T6 ALUM
6	MULLION	6063-T6 ALUM
7	SUPPORT BAR	6063-T6 ALUM
8	SUBFRAME (2.75")	6063-T6 ALUM
9	HINGE	6063-T6 ALUM
10	#12 X 1-1/4" HWH SELF TAPPING AND DRILLING SMS	STEEL
11	#10 X 3/4" HWH SELF TAPPING AND DRILLING SMS	STEEL
12	#12 X 3/4" HWH SELF TAPPING AND DRILLING SMS	STEEL
16	WIRE CLOTH (14GA. STAINLESS STEEL)	304 SS
21	CORNER KEY	6063-T6 ALUM
22	CORNER KEY	6063-T6 ALUM
23	CORNER KEY	6063-T6 ALUM
25	3/16" I P ALUM POP RIVET (ARROW)	ALUM
26	CORNER REINFORCEMENT	6063-T6 ALUM
27	2" X 2" X 3/16" ANGLE	6063-T6 ALUM



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FBPE Registry No. 9813

PRODUCT:		WARRIOR-GUARD II	
PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS	
NO.	DATE	BY	REVISIONS
1	10/14/20	LFS	UPDATE TO 7TH ED. (2020) FBC
DATE: 8/12/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-33004.2			
SHEET 11 OF 11			