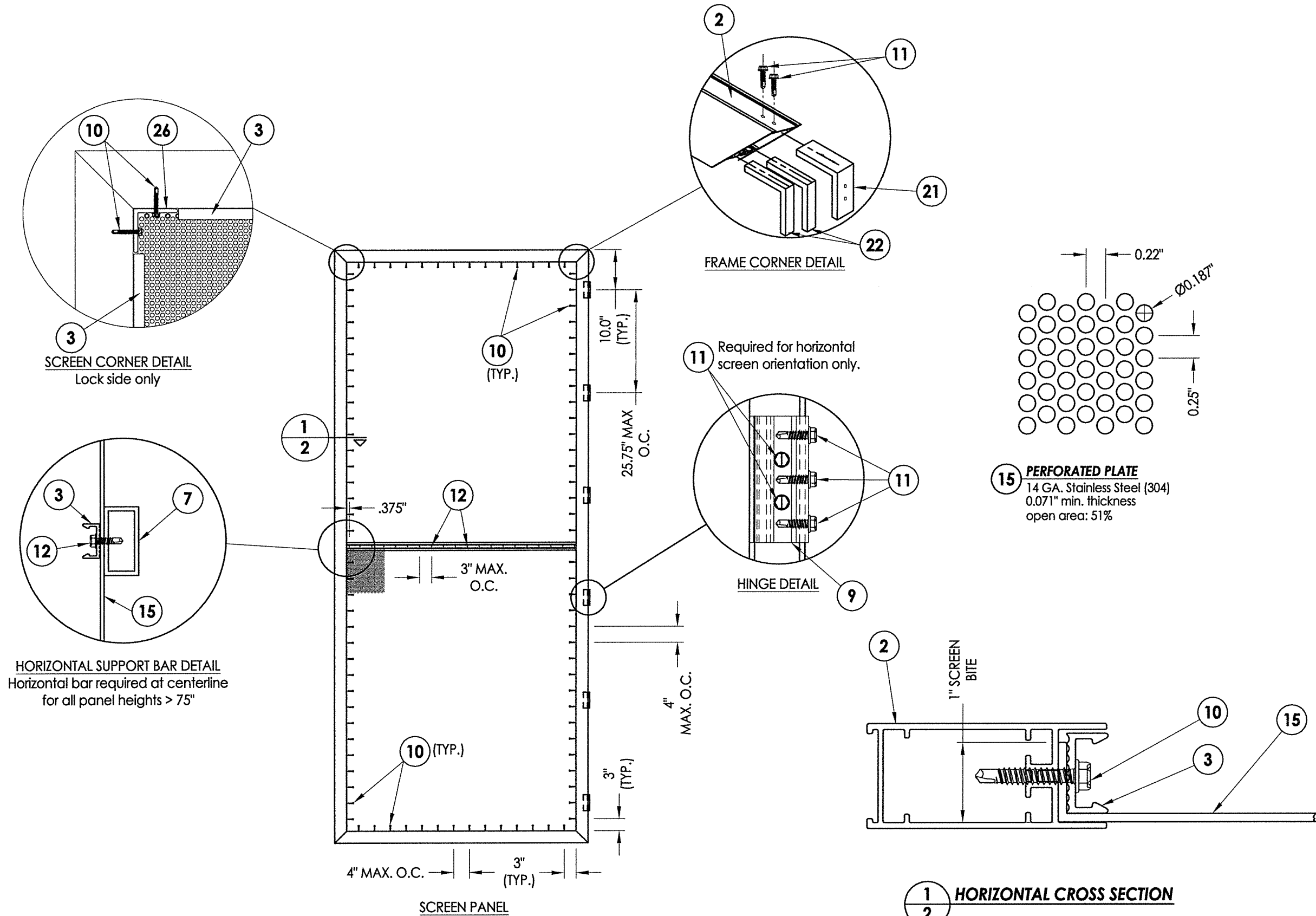






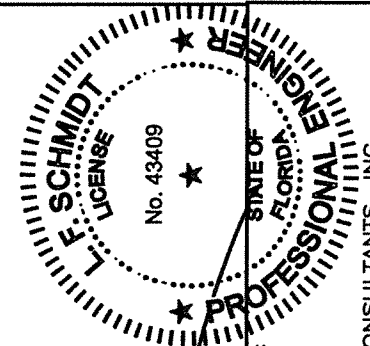
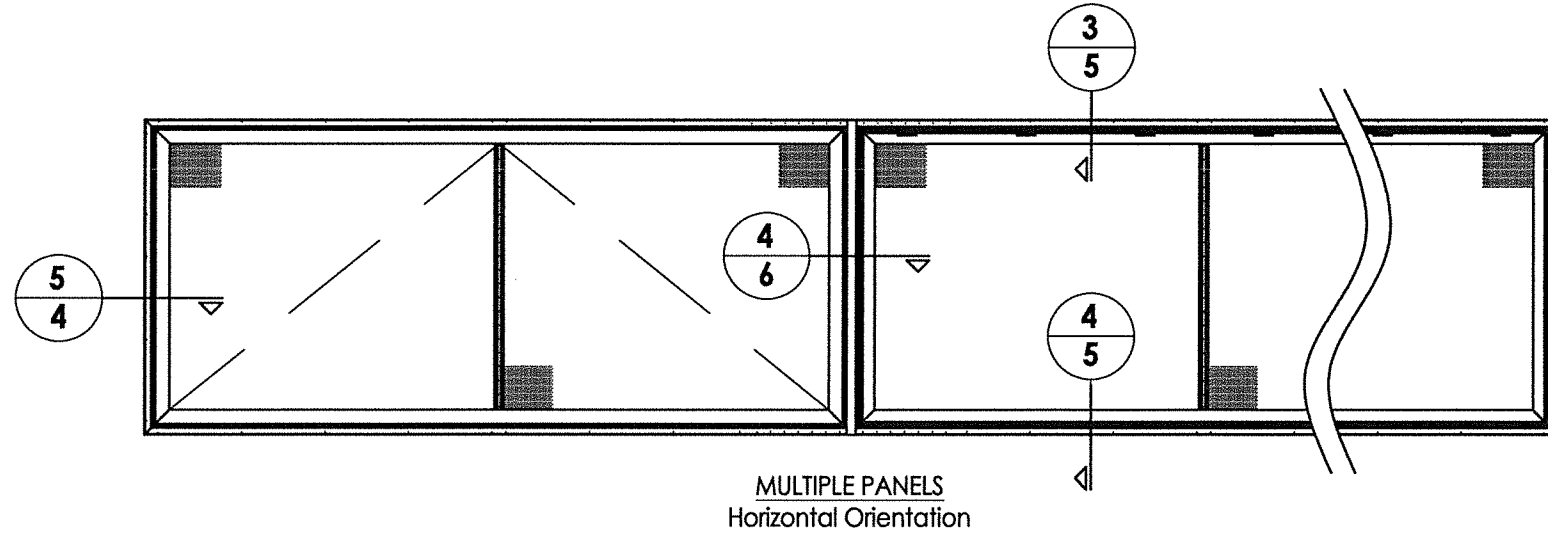
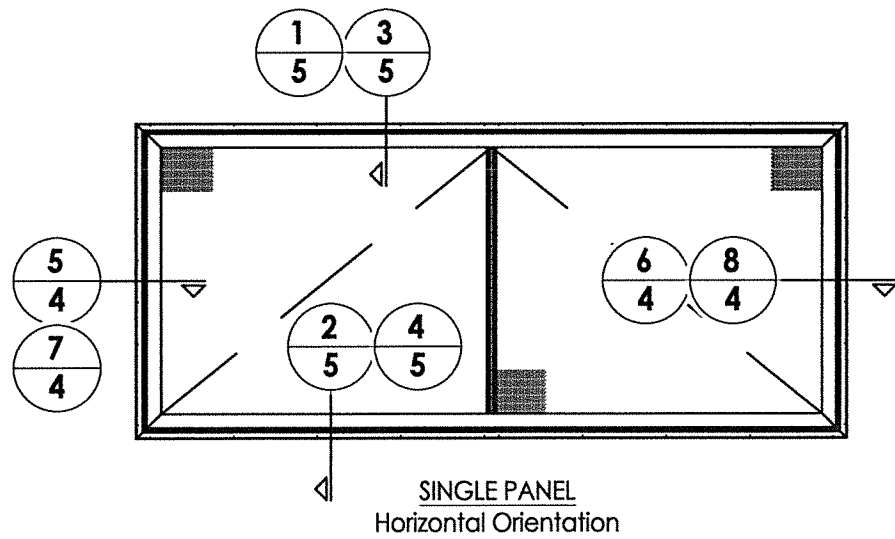
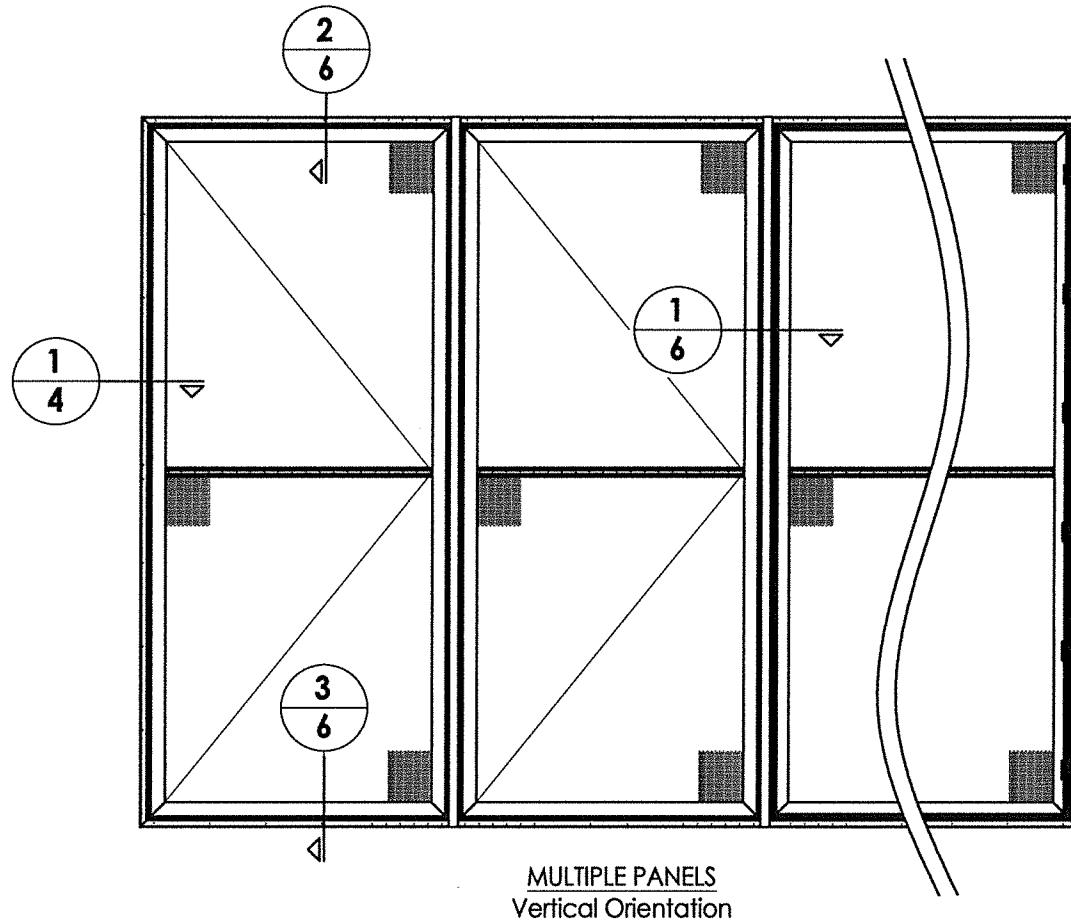
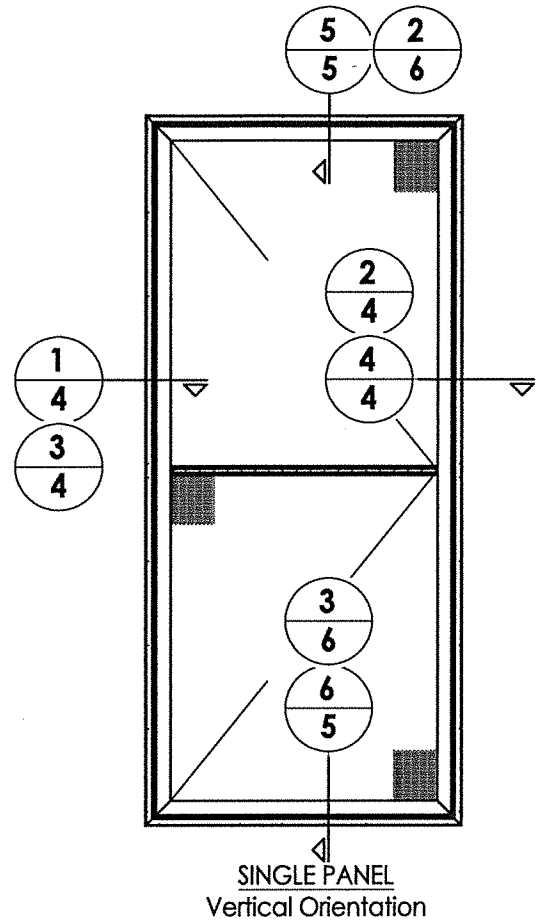
October 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 43409

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

<u>PRODUCT:</u>		WARRIOR—GUARD	
<u>PART OR ASSEMBLY:</u>		PANEL DETAILS	
1	10/14/20	UPDATE TO 7TH ED. (2020)	FBC
NO.	DATE		BY
REVISIONS			
DATE: 8/12/20			
SCALE: N.T.S.			
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.: FL—33004.1			
SHEET 2 OF 12			

R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 3.1



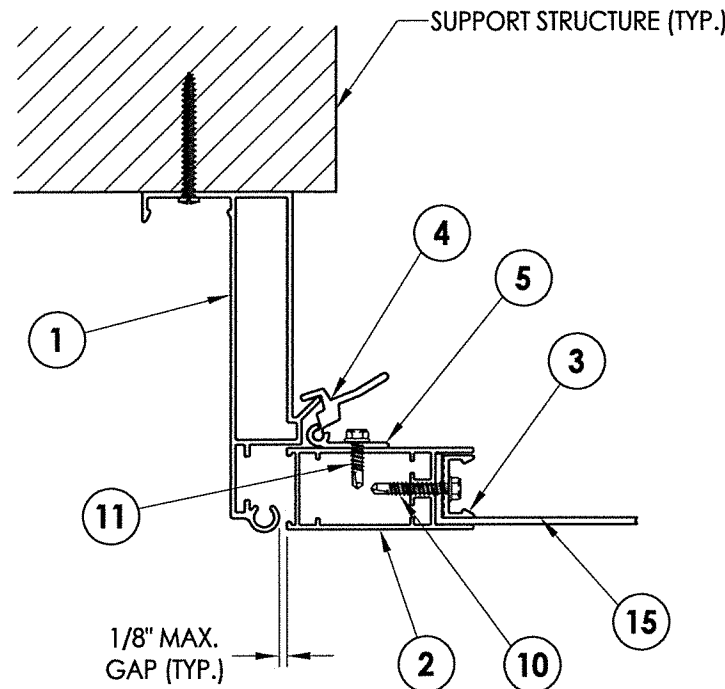
October 14, 2020

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

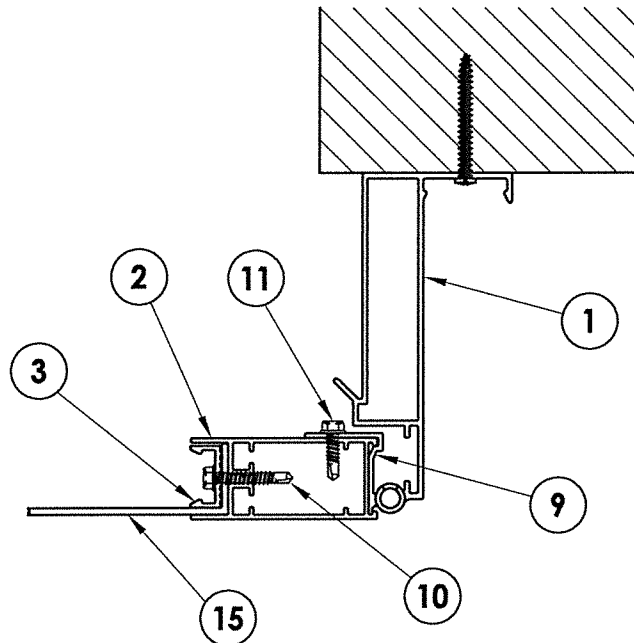
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		PART OR ASSEMBLY:	
WARRIOR-GUARD		ELEVATIONS	
NO.	DATE	REVISIONS	BY
1	10/14/20	UPDATE TO 7TH ED. (2020) FBC	LFS
DATE: 8/12/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-33004.1			
SHEET 3 OF 12			

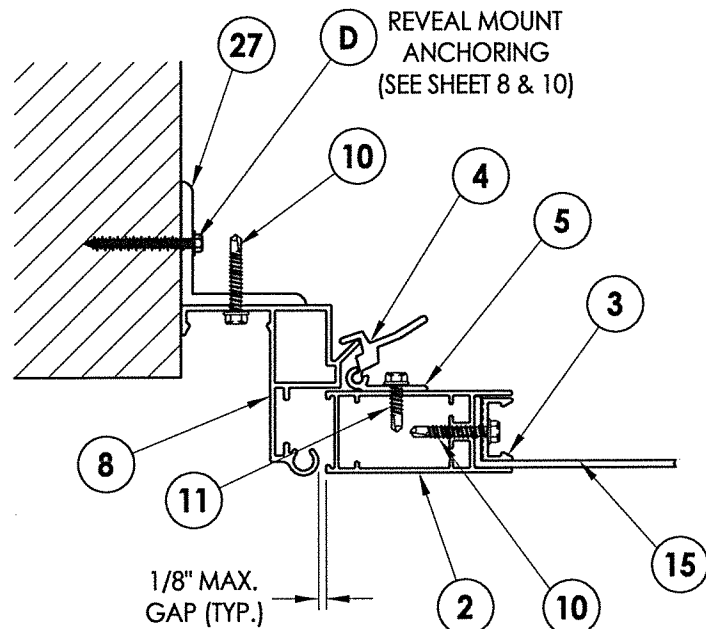
R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 4.1



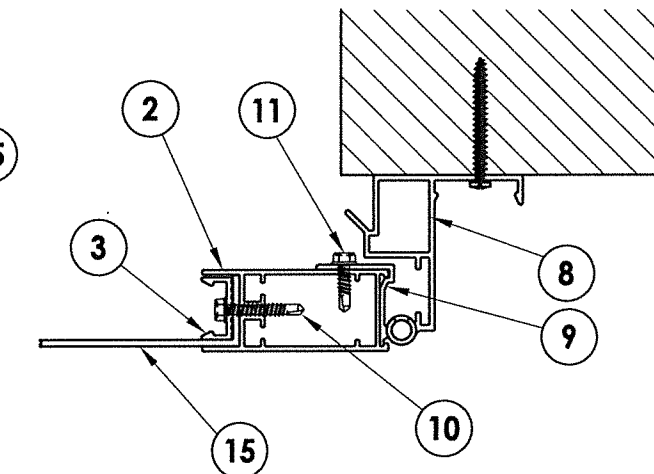
1
4 HORIZONTAL CROSS SECTION



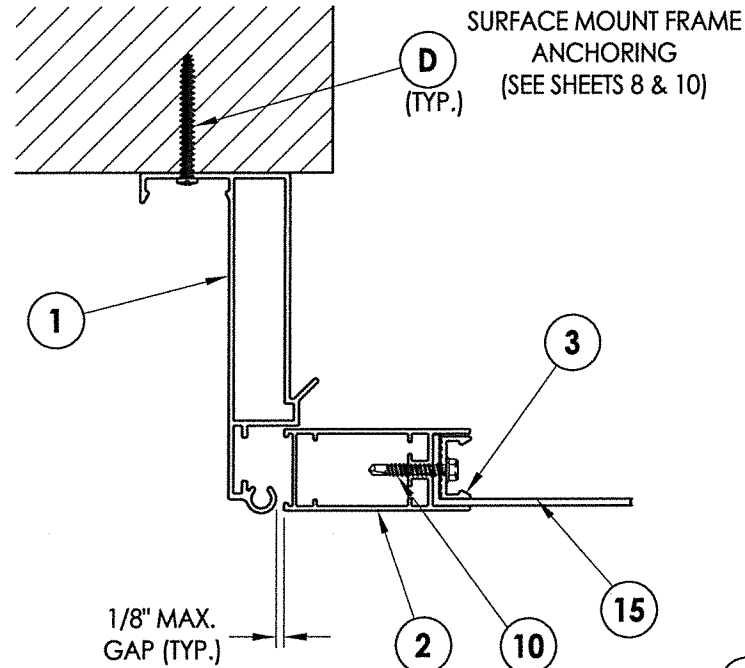
2
4 HORIZONTAL CROSS SECTION



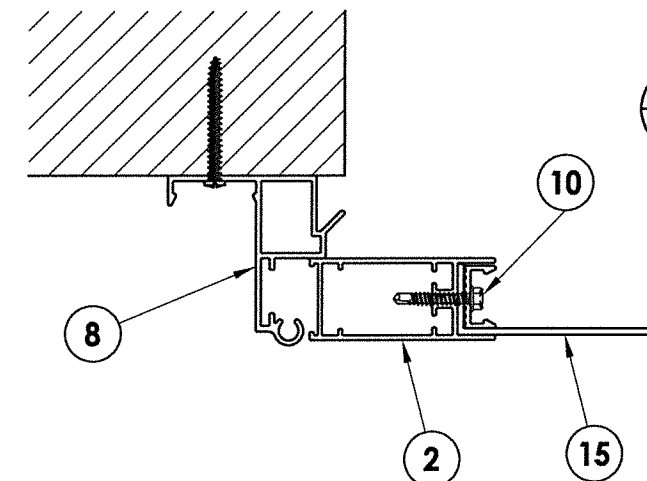
3
4 HORIZONTAL CROSS SECTION
Shown w/ Reveal mount



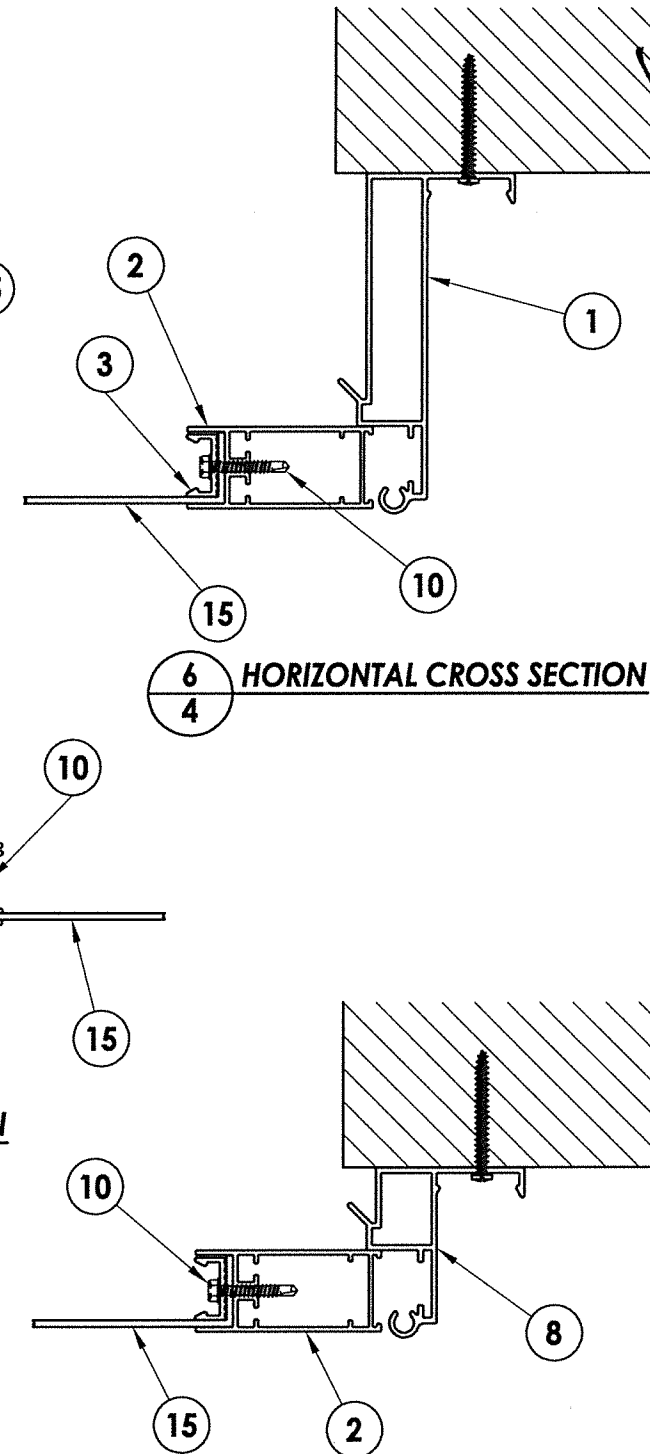
4
4 HORIZONTAL CROSS SECTION



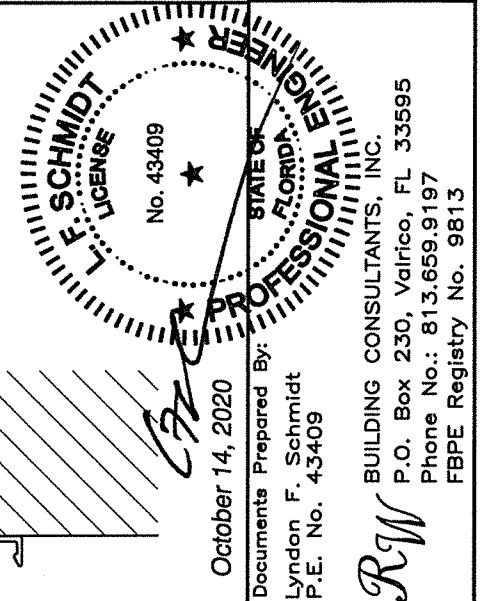
5
4 HORIZONTAL CROSS SECTION



7
4 HORIZONTAL CROSS SECTION

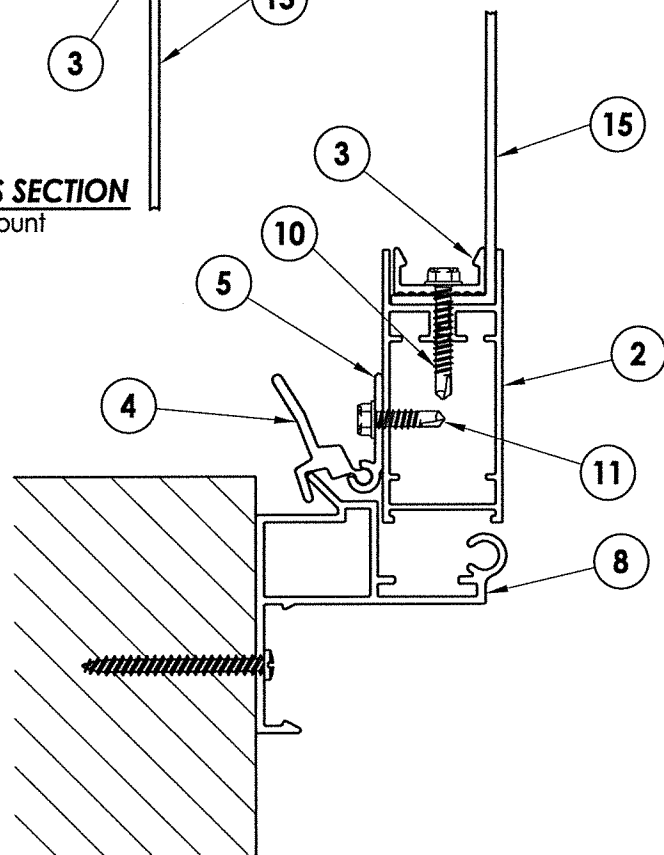


8
4 HORIZONTAL CROSS SECTION



October 14, 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:		WARRIOR-GUARD	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE:		8/12/20	
SCALE:		N.T.S.	
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:		FL-33004.1	
SHEET		4	OF 12



3
5 **VERTICAL CROSS SECTION**

1 SURFACE MOUNT FRAME ANCHORING (SEE SHEETS 8 & 10)

D (TYP.)

2

3

9

10

11

15

5
5 VERTICAL CROSS SECTION

Diagram illustrating a vertical cross section of a door assembly. The assembly includes a door frame (labeled 3) and a door panel (labeled 15). A locking mechanism is shown, featuring a bolt (labeled 10) and a handle (labeled 5). A circular stamp in the upper right corner reads "F. SCHMIDT LICENSE".

A circular professional engineer seal for L. E. Schmidt, No. 43409, State of Florida. The seal features the text "L. E. SCHMIDT" and "LICENSE" on the left, "No. 43409" in the center, and "STATE OF FLORIDA" and "PROFESSIONAL ENGINEER" on the right. The seal is surrounded by a dotted border and a solid outer border. A vertical line is drawn through the seal.

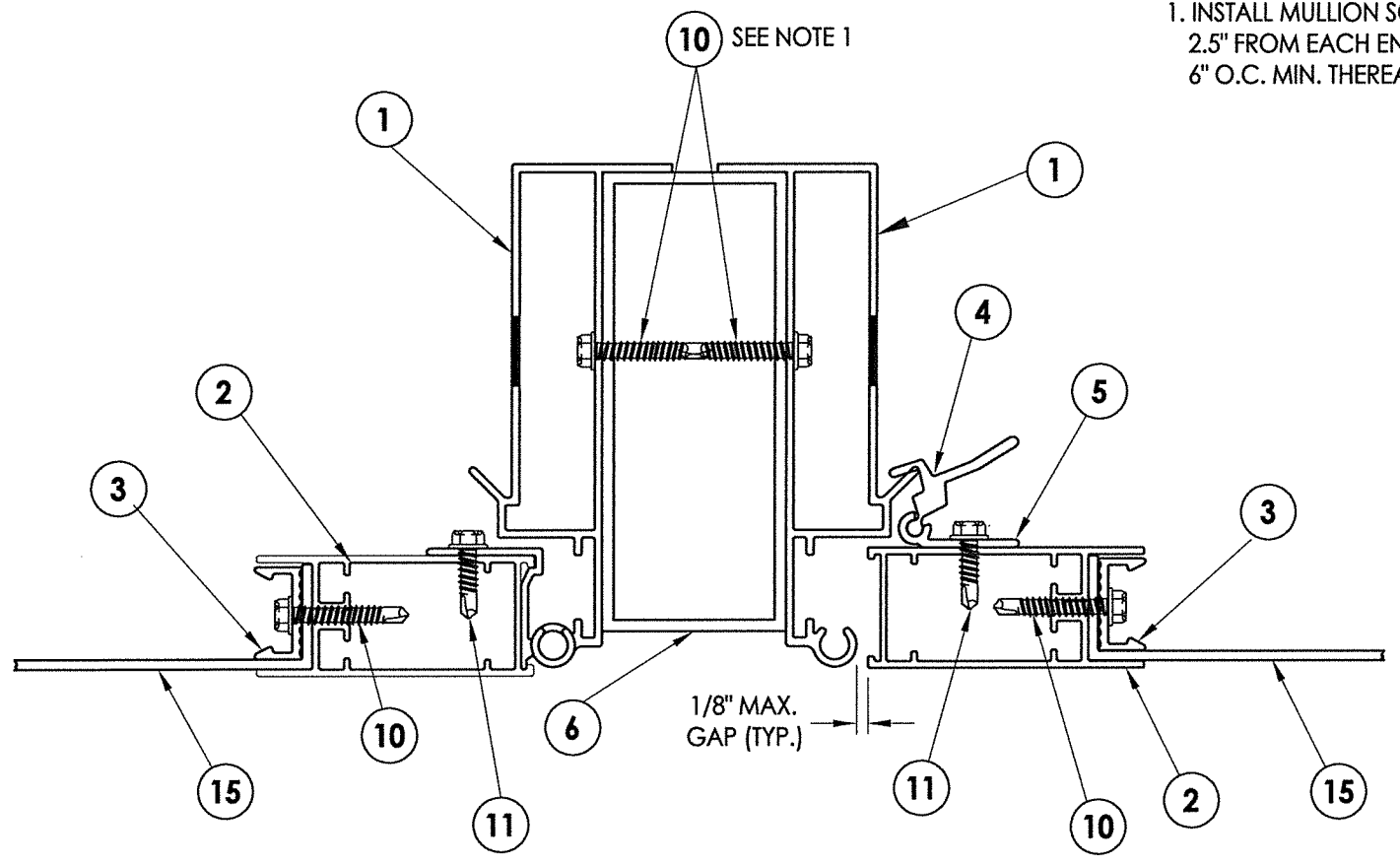
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

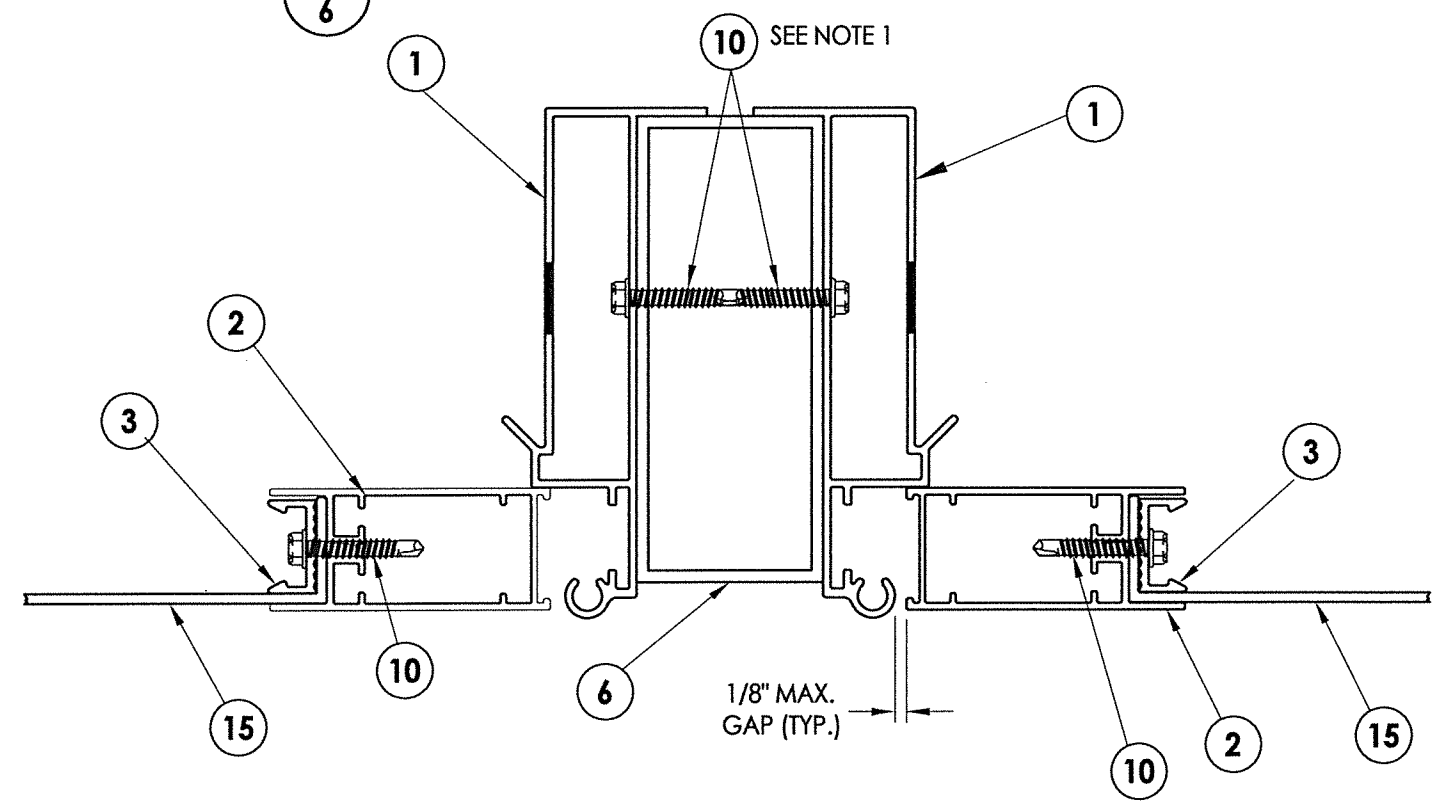
PRODUCT:		WARRIOR-GUARD	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
1	10/14/20	UPDATE TO 7TH ED. (2020)	FBC
NO.	DATE		BY
		REVISIONS	
DATE: 8/12/20			
SCALE: N.T.S.			
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.: FL-33004.1			
SHEET 5		OF 12	

R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 6.1

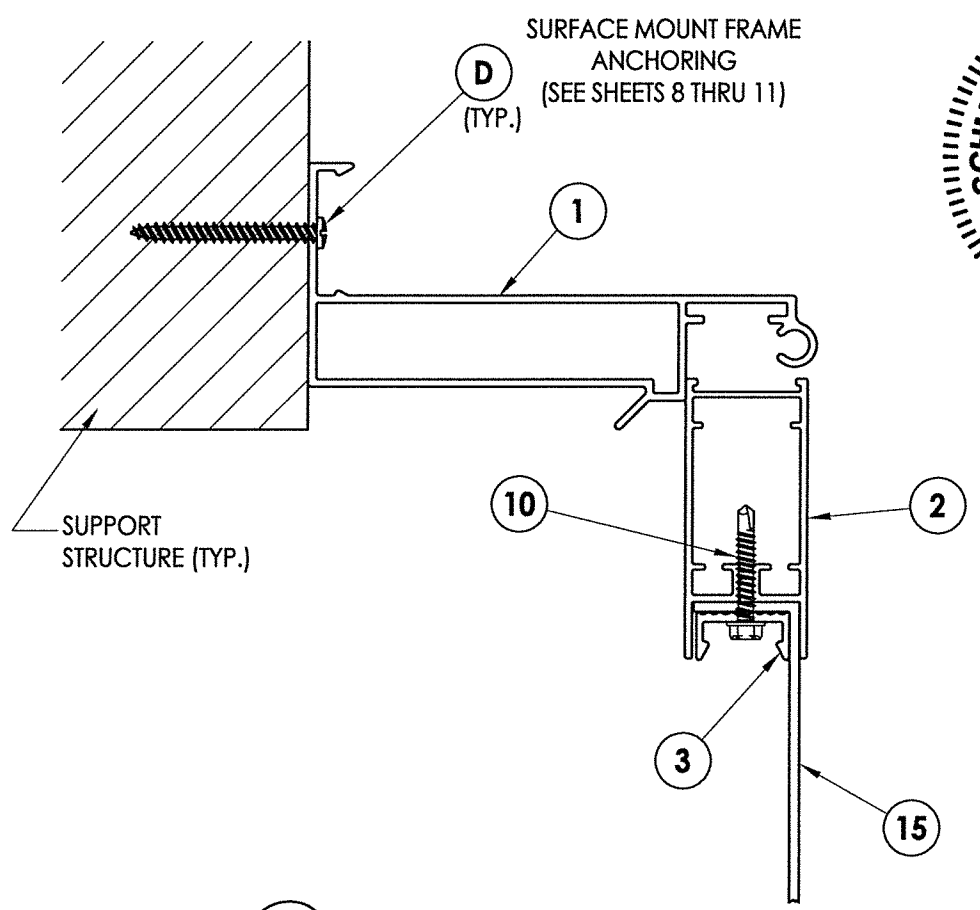
NOTE:
1. INSTALL MULLION SCREWS (ITEM 10)
2.5" FROM EACH END AND
6" O.C. MIN. THEREAFTER.



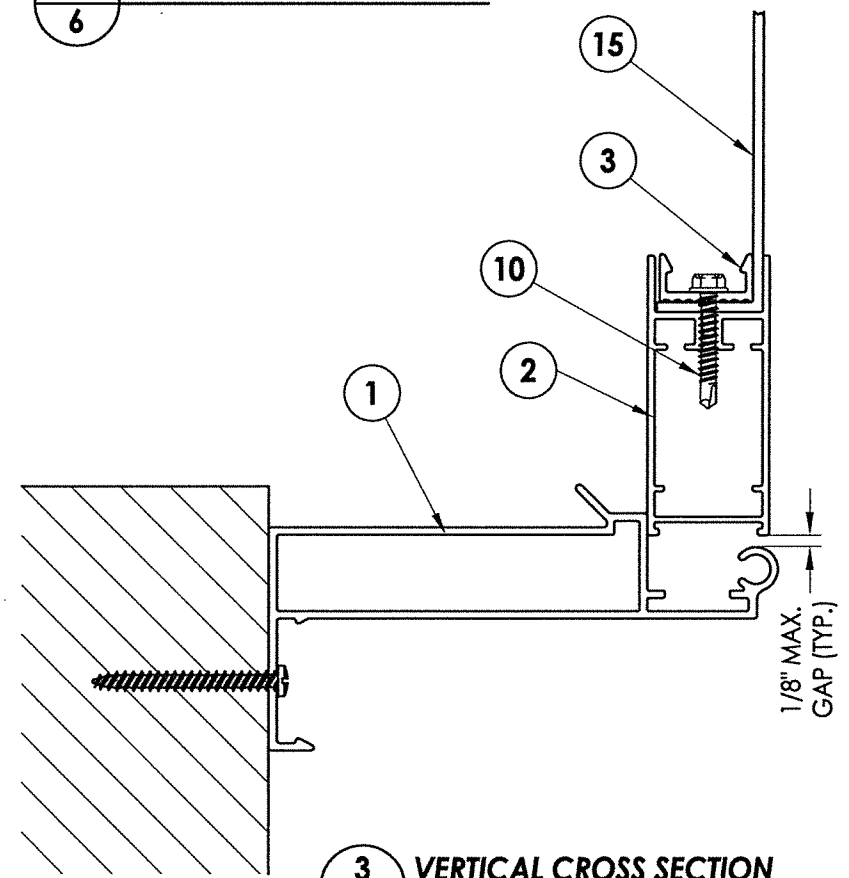
1
6 HORIZONTAL CROSS SECTION



4
6 HORIZONTAL CROSS SECTION



2
6 VERTICAL CROSS SECTION

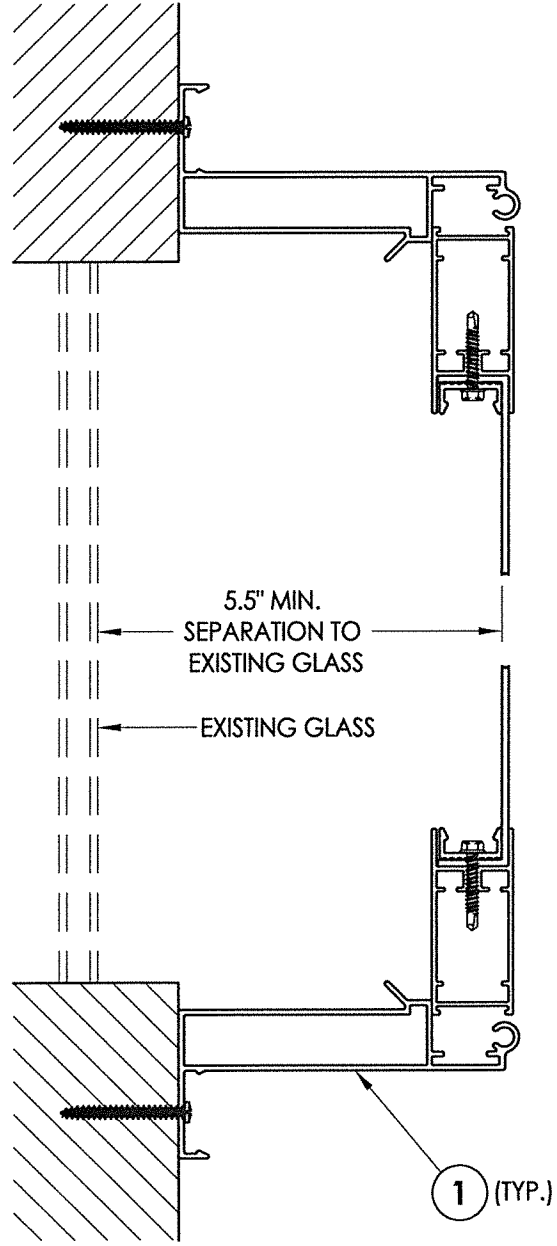


3
6 VERTICAL CROSS SECTION

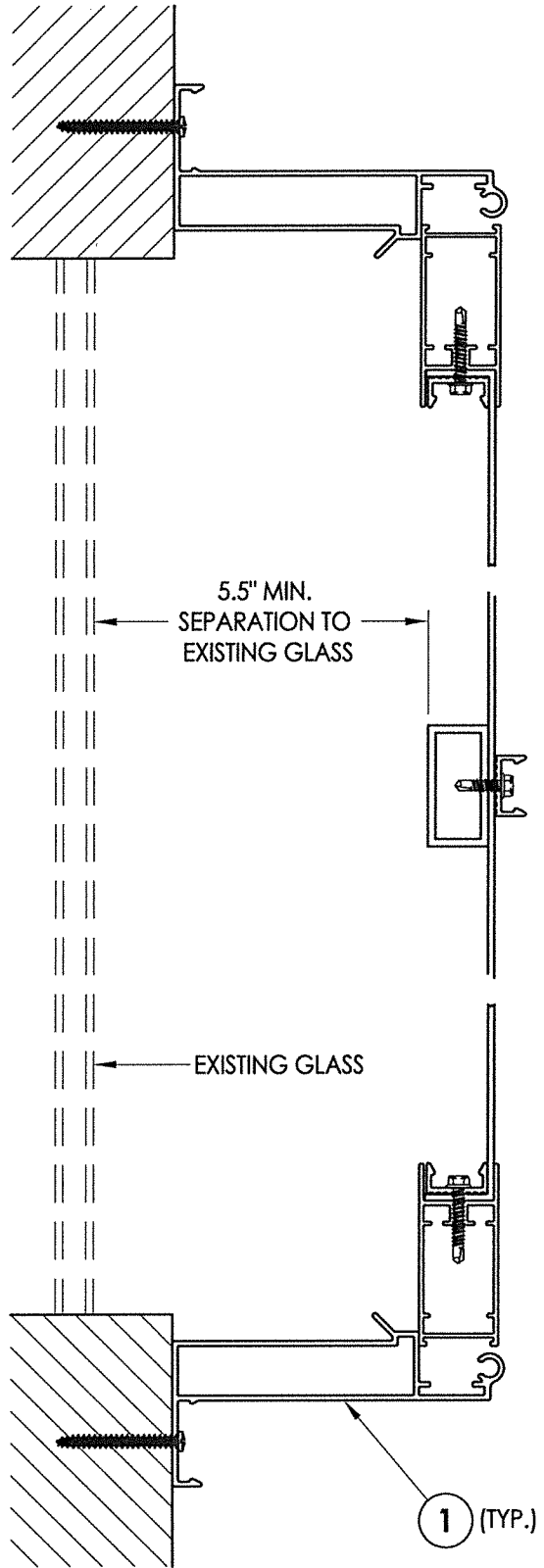
October 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
No. 43409
L. E. SCHMIDT
LICENSE
FLORIDA
PROFESSIONAL ENGINEER
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		WARRIOR-GUARD	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS	
DATE:		10/14/20	UPDATE TO 7TH ED. (2020)
SCALE:		N.T.S.	
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:		FL-33004.1	
SHEET		6	OF 12

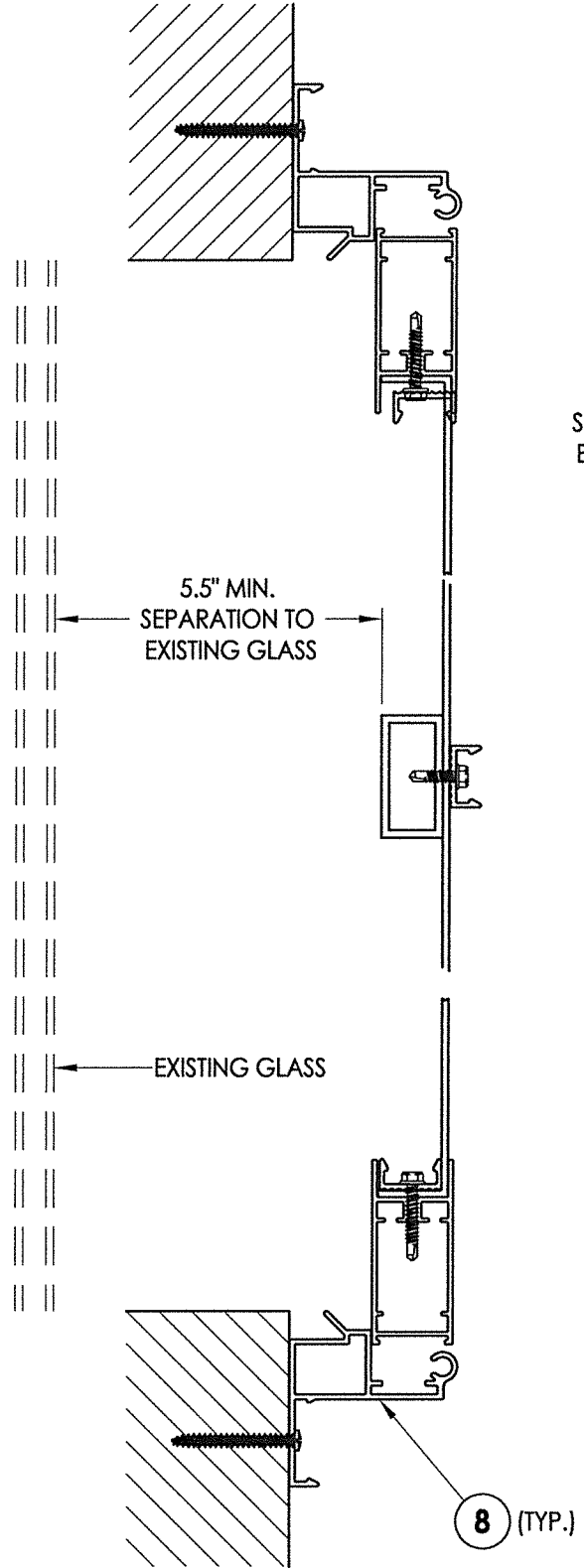
R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 7.1



SINGLE PANEL GLASS SEPARATION w/o SUPPORT BAR
Vertical orientation shown (max. panel height = 75")
Horizontal orientation similar (max. panel length = 75")

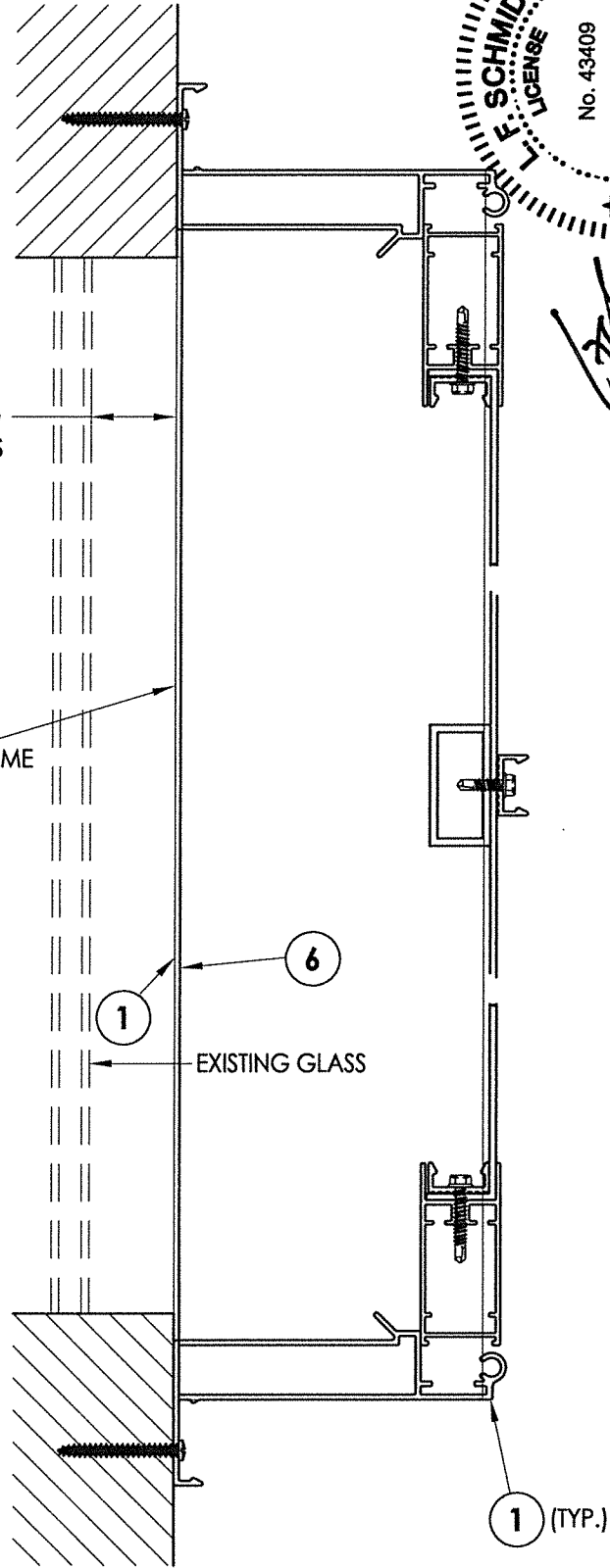


SINGLE PANEL GLASS SEPARATION w/ SUPPORT BAR
Vertical orientation shown
Horizontal orientation similar

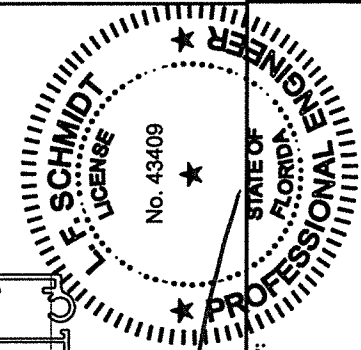


1.5" MIN.
SEPARATION TO
EXISTING GLASS

MULLION/FRAME
EDGE



MULTIPLE MULLED PANELS GLASS SEPARATION
Vertical orientation only

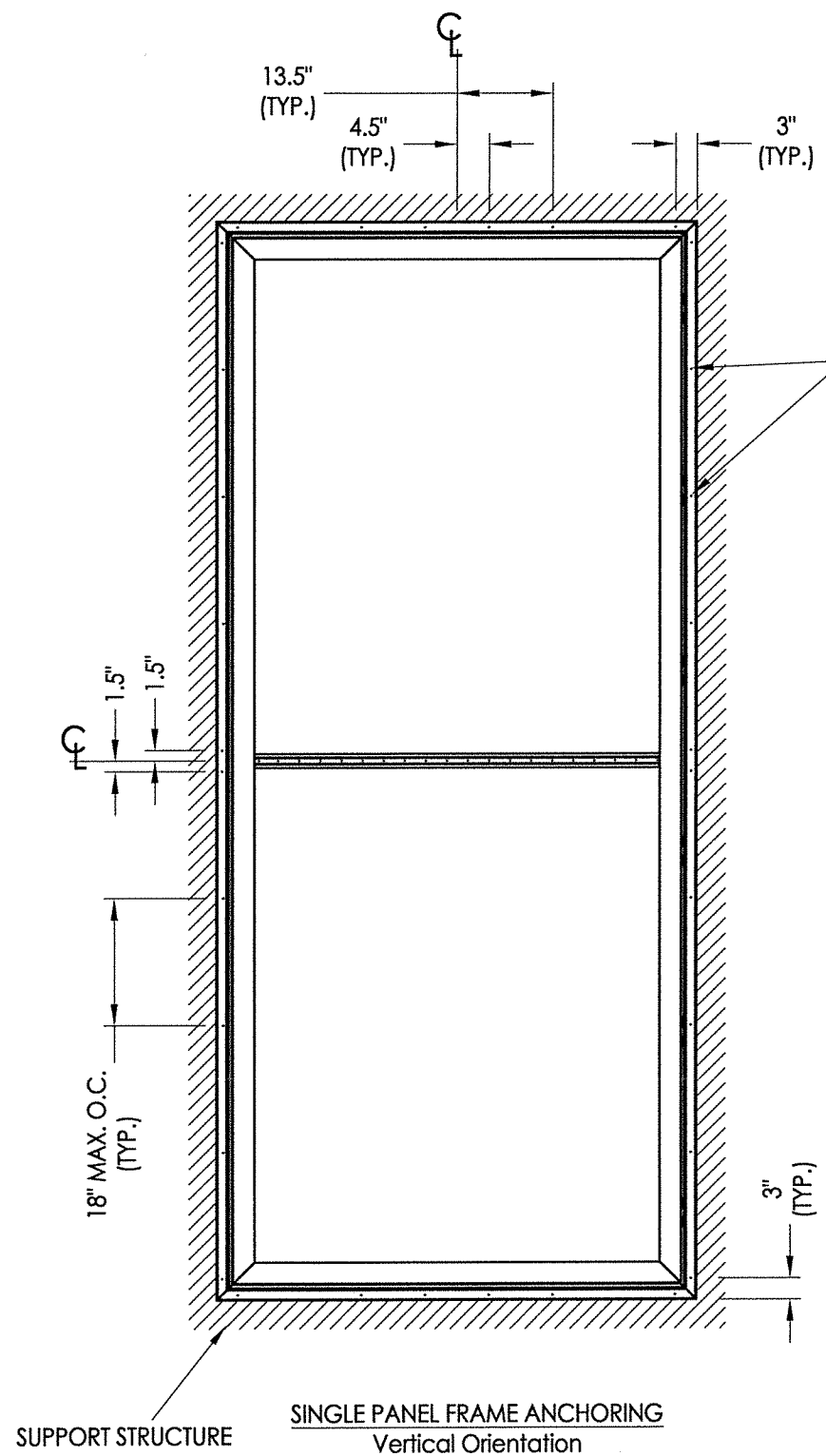


October 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

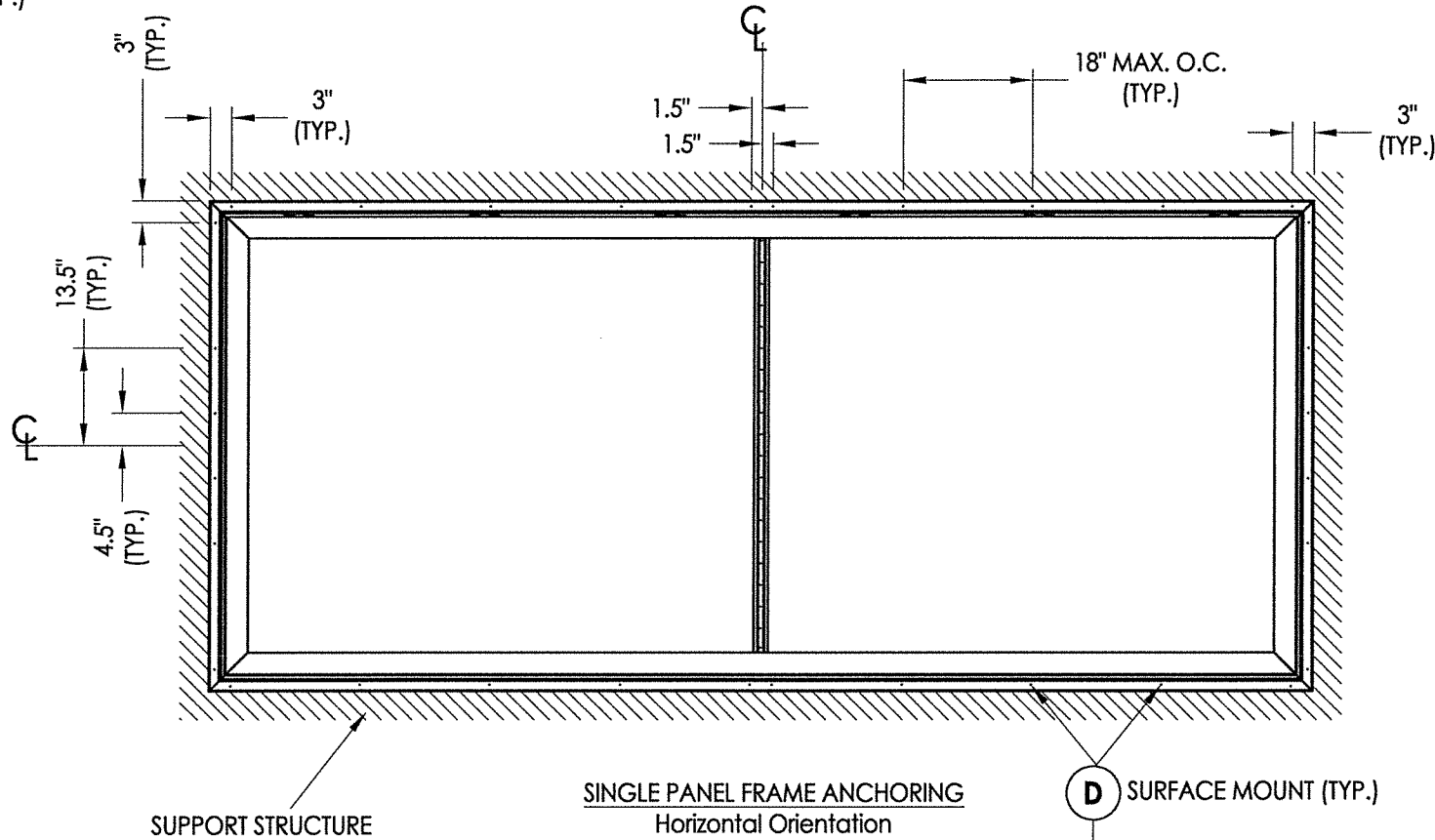
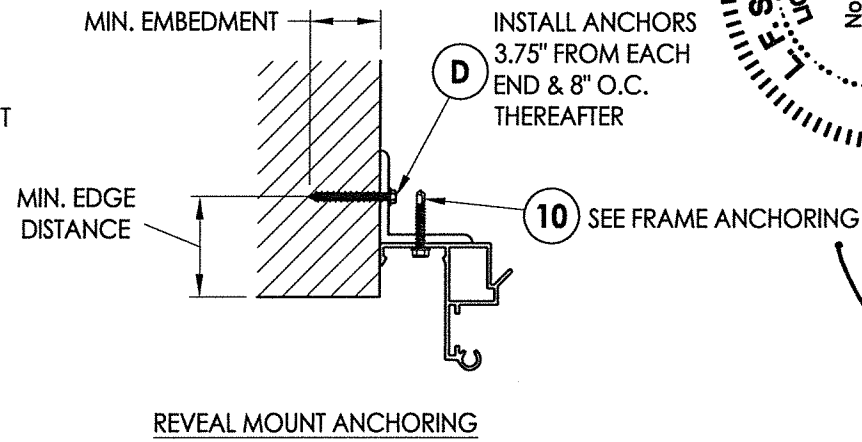
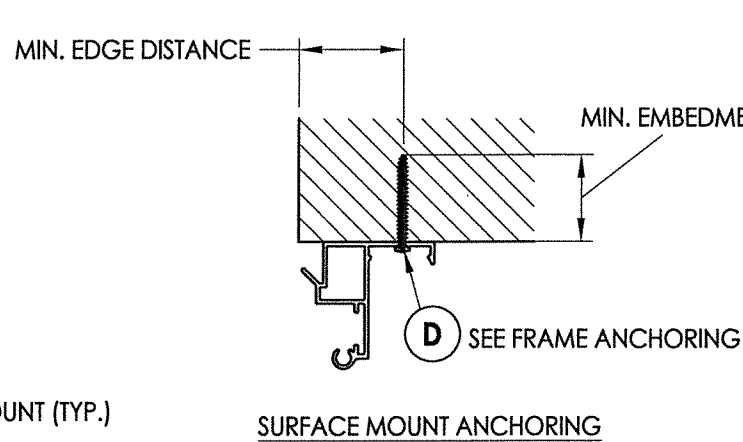
PRODUCT:		WARRIOR-GUARD	
PART OR ASSEMBLY:		GLASS SEPARATION VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
1	10/14/20	LFS	UPDATE TO 7TH ED. (2020) FBC
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

DATE: 8/12/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-33004.1
SHEET 7 OF 12

R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 8.1

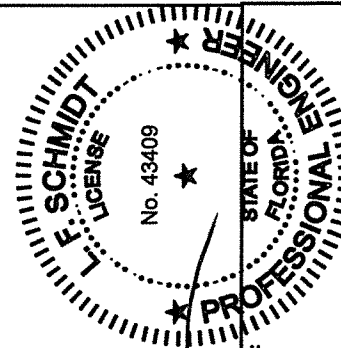


- (D) SURFACE MOUNT (TYP.)
- (10) REVEAL MOUNT (TYP.)



- (D) SURFACE MOUNT (TYP.)
- (10) REVEAL MOUNT (TYP.)

WOOD FRAMING - ANCHOR SCHEDULE	
(D) 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.

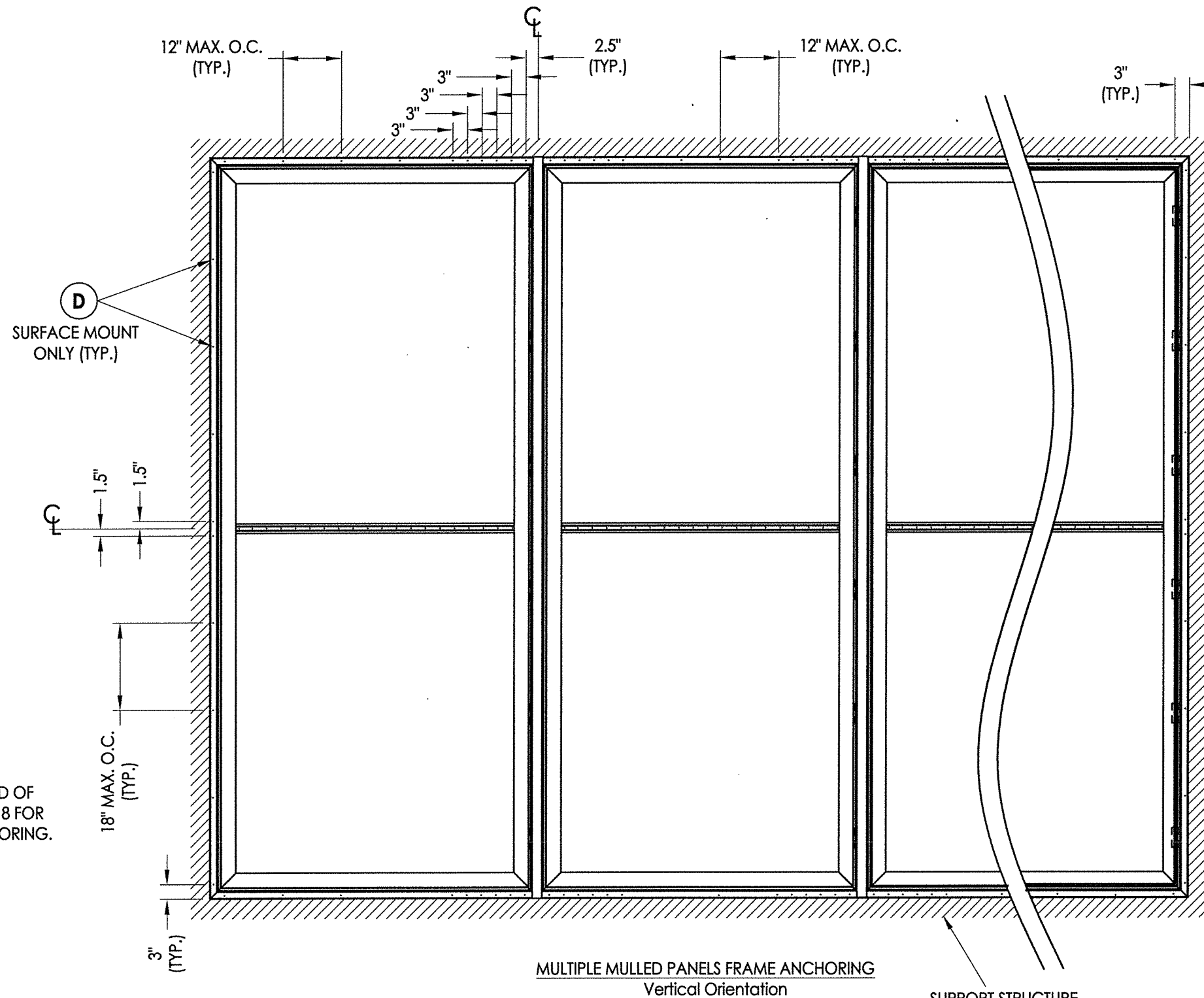
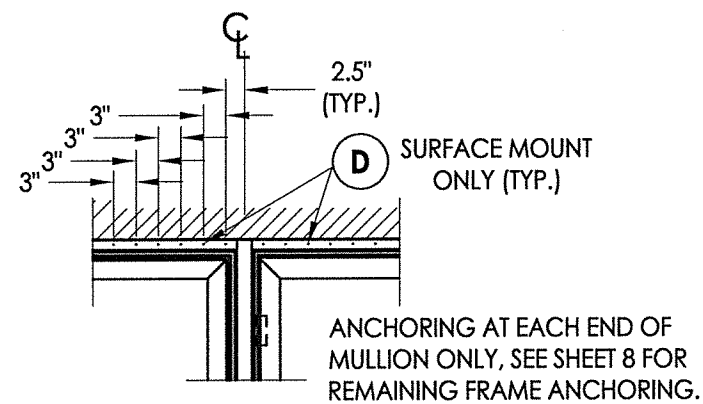
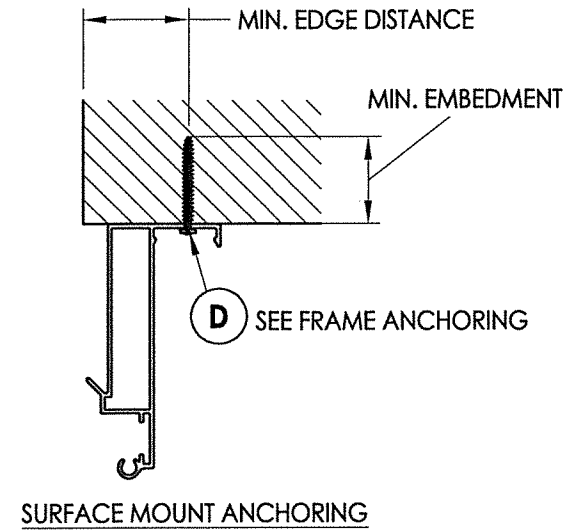


October 14, 2020

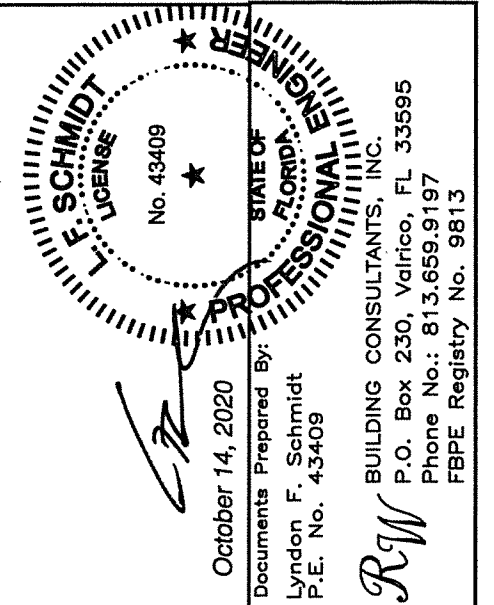
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

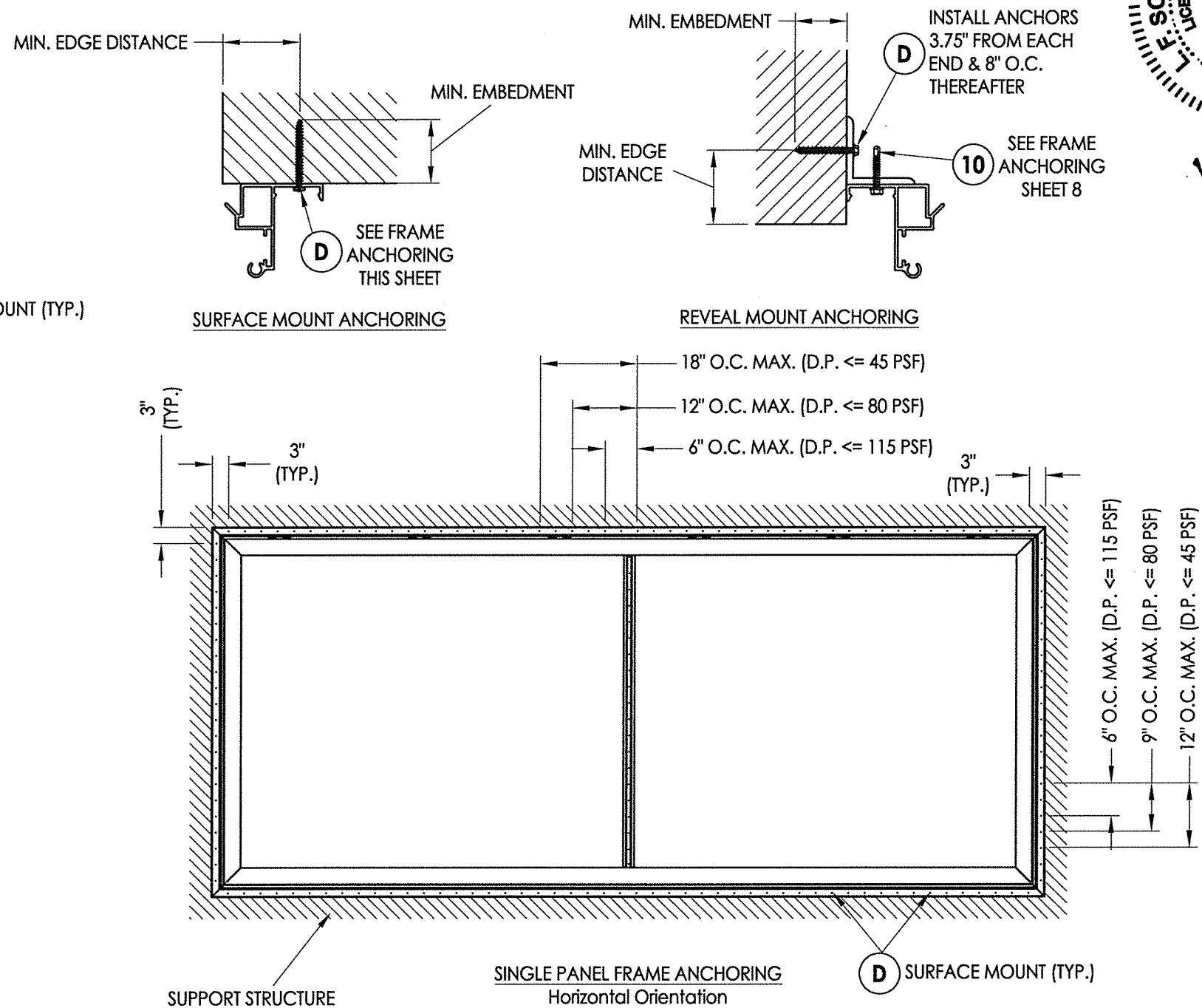
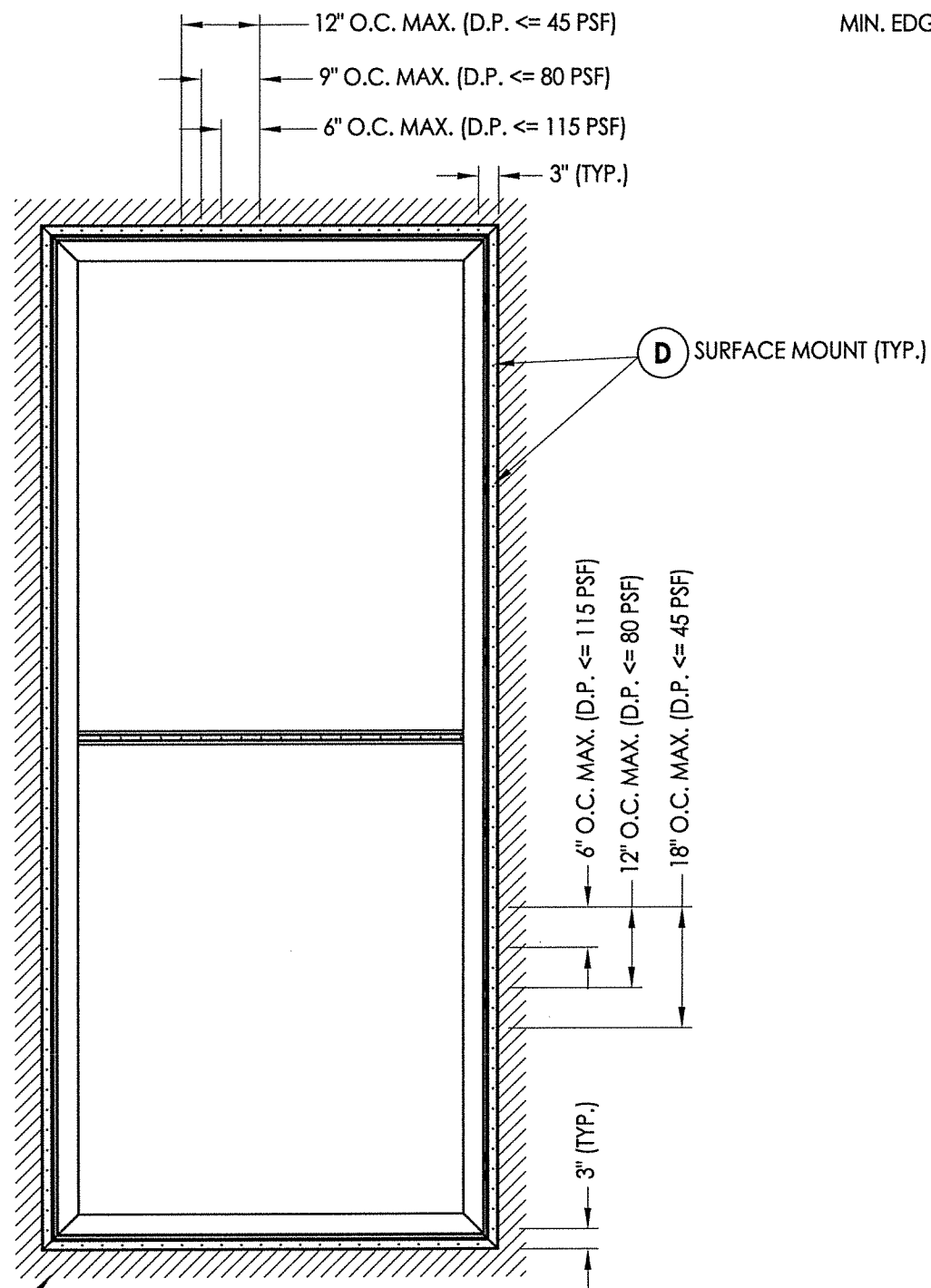
PRODUCT:		WARRIOR-GUARD		
PART OR ASSEMBLY:		SINGLE PANEL FRAME ANCHORING		
1	10/14/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
NO.	DATE			BY
				REVISIONS
DATE: 8/12/20				
SCALE: N.T.S.				
DWG. BY: RW				
CHK. BY: LFS				
DRAWING NO.: FL-33004.1				
SHEET 8 OF 12				



WOOD FRAMING - ANCHOR SCHEDULE	
(D) 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.

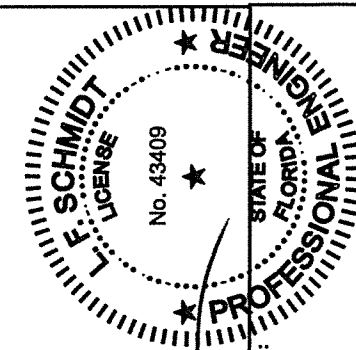
[illegible]

SINGLE PANEL FRAME ANCHORING Vertical Orientation



MASONRY - ANCHOR SCHEDULE

MASONRY - ANCHOR SCHEDULE		
Ⓓ 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



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

PART OR ASSEMBLY:

SINGLE PANEL FRAME ANCHORING

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

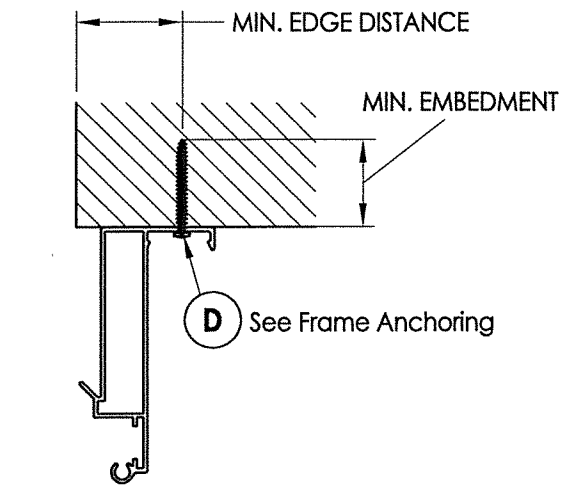
CHK. BY: LFS

DRAWING NO.:

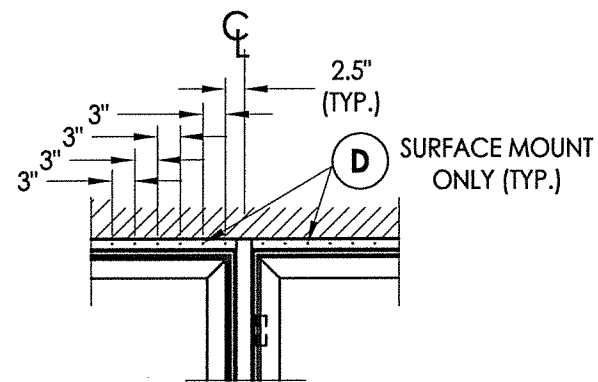
FL-33004.1

SHEET 10 OF 12

R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 11.1



SURFACE MOUNT ANCHORING



MULLION ANCHORING DETAIL
Vertical and horizontal orientation
(See sheet 10 for remaining anchoring
for horizontal orientation)

9" O.C. MAX. (D.P. <= 45 PSF)
6" O.C. MAX. (D.P. <= 80 PSF)
3" O.C. MAX. (D.P. <= 115 PSF)

D
SURFACE MOUNT
ONLY (TYP.)

18" O.C. MAX. (D.P. <= 45 PSF)
12" O.C. MAX. (D.P. <= 80 PSF)
6" O.C. MAX. (D.P. <= 115 PSF)

3"
(TYP.)

SEE MULLION
ANCHORING DETAIL

3"
(TYP.)

SEE MULLION
ANCHORING DETAIL
MULTIPLE MULLED PANELS FRAME ANCHORING
Vertical Orientation

SUPPORT STRUCTURE

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
STATE OF
ENGINEER
L. F. SCHMIDT
LICENSE
No. 43409

October 14, 2020

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

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

October 14, 2020

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

Lyndon F. Schmidt
P.E. No. 43409

October 14, 2020

Lyndon F. Schmidt
P.E. No. 43409

October 14, 2020

Lyndon F. Schmidt
P.E. No. 43409

October 14, 2020

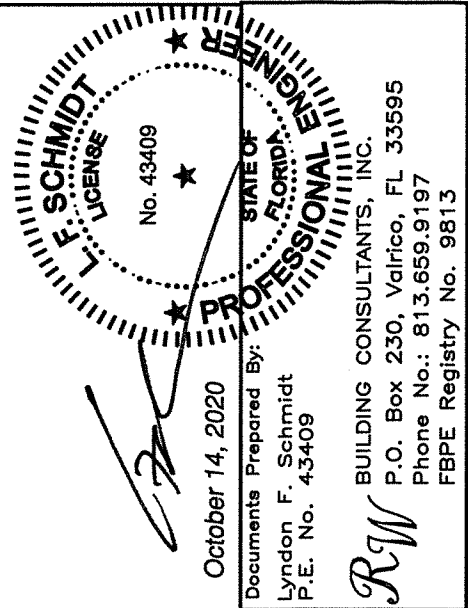
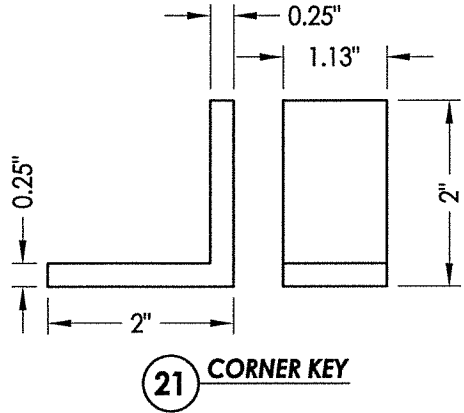
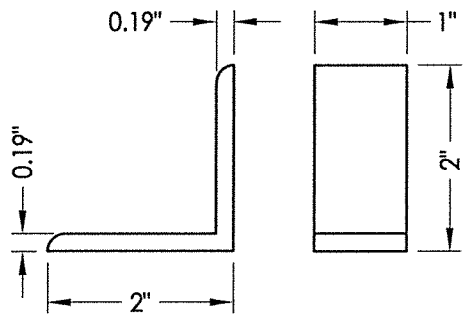
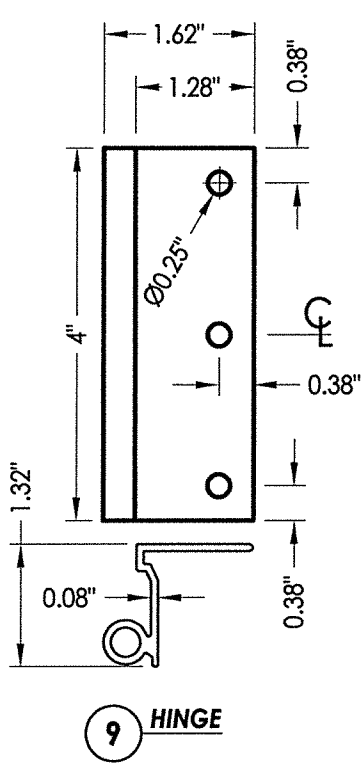
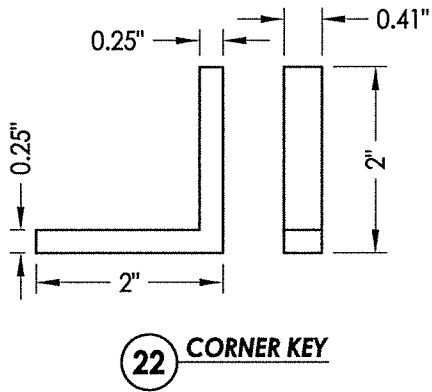
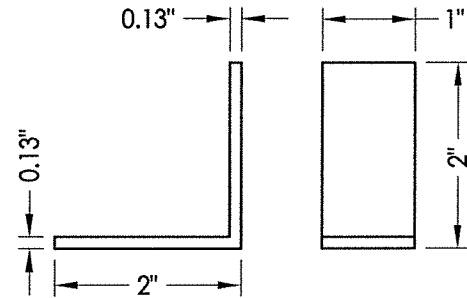
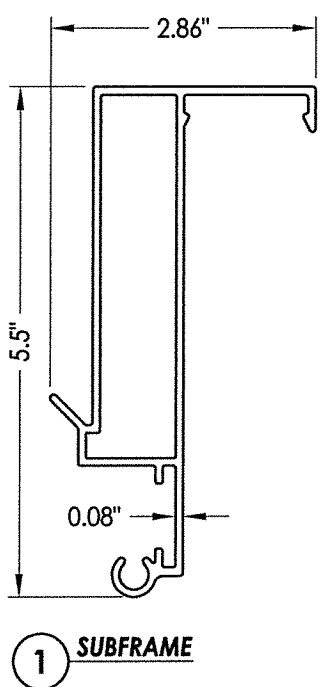
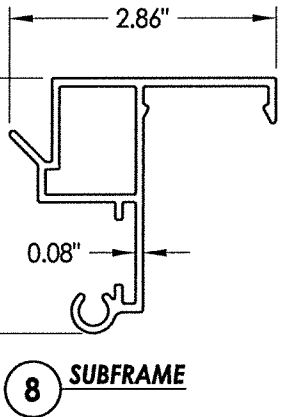
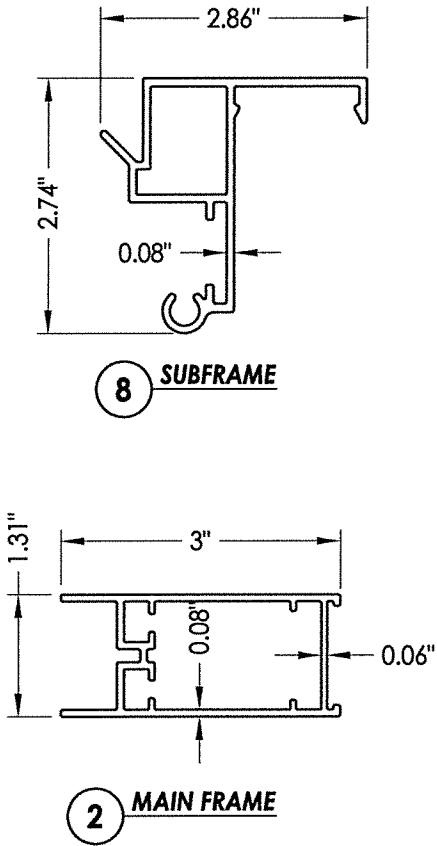
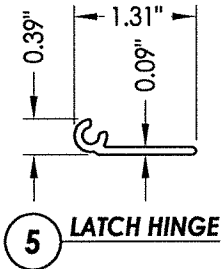
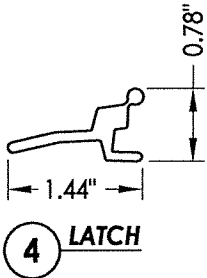
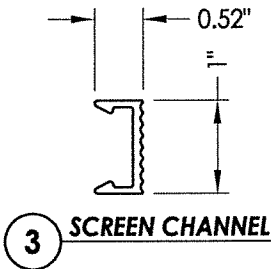
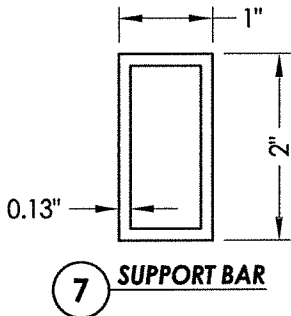
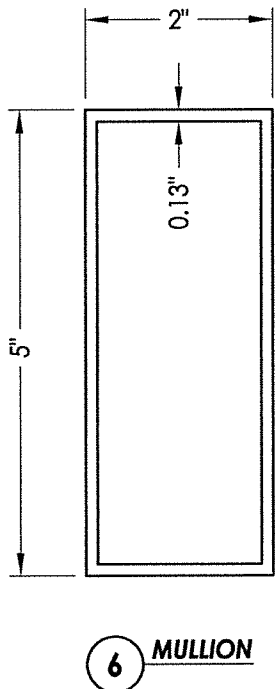
Lyndon F. Schmidt
P.E. No. 43409

October 14, 2020

PRODUCT:		WARRIOR-GUARD	
PART OR ASSEMBLY:		MULTIPLE MULLED PANELS FRAME ANCHORING	
NO.		DATE	
1		10/14/20	
FBC		UPDATE TO 7TH ED. (2020)	
LFS		BY	
REVISIONS		DATE	
DATE:		8/12/20	
SCALE:		N.T.S.	
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:		FL-33004.1	
SHEET		11 OF 12	

R:\Clients\Warrior Protection Screens\Drawings\FL-33004 (2020)\FL-33004.1-2.dwg, 12.1

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
15	PERFORATED PLATE (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



PRODUCT: WARRIOR-GUARD		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
NO.	DATE	LFS	BY
1	10/14/20	UPDATE TO 7TH ED. (2020) FBC	
REVISIONS			
DATE: 8/12/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-33004.1			
SHEET 12 OF 12			