

SL WESTWOOD DESIGNS

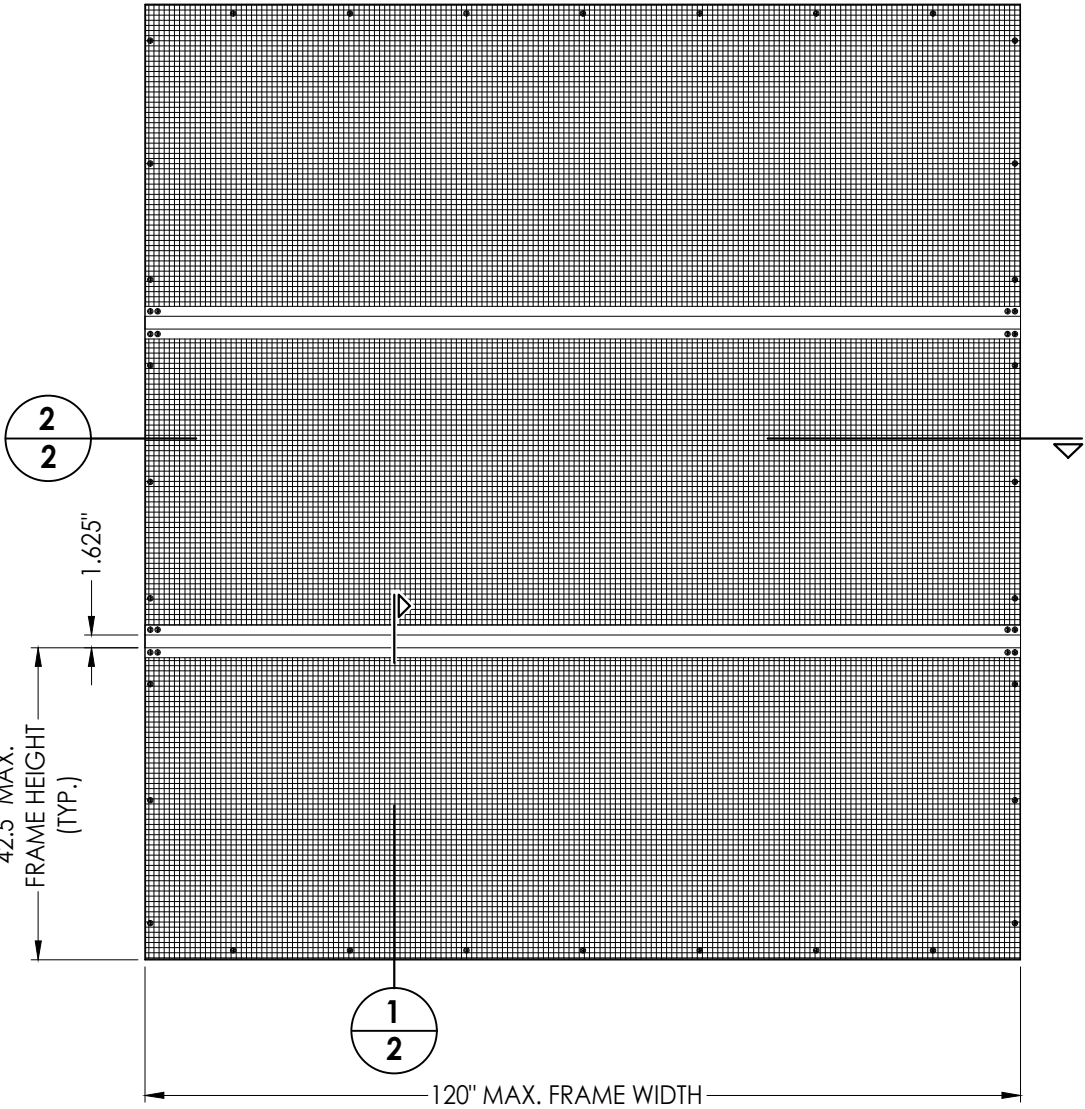
BUENA VISTA S/N NUCLEO AGRARIO
CABO SAN LUCAS, MEXICO

"FRONT ROW HURRICANE SHUTTERS"
STORM PANELS
"IMPACT"

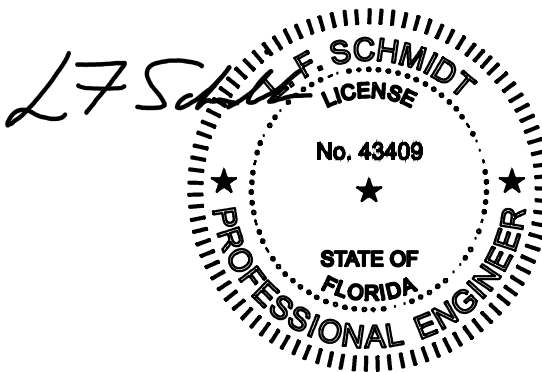
General Notes:

1. This system has been tested and evaluated as a large missile impact protective system in accordance with the requirements of the 8th Edition (2023) Florida Building Code (FBC) including the High Velocity Hurricane Zone ("HVHZ").
2. When used in areas outside the "HVHZ", 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.
3. Positive and negative design pressures to be used with these drawings shall be determined by others for specific sites in accordance with the local governing code.
4. The system detailed herein is generic and does not provide information for a specific site. If site conditions deviate from the conditions detailed herein, a licensed engineer or registered architect shall prepare site specific documents to be used in conjunction with this document.
5. This Impact Resistant Covering shall be permanently labeled according to FBC Section 1709.9.
6. Permit holder shall verify the adequacy of the existing structure to withstand new superimposed loads.
7. Storm panels have been designed and tested to the maximum spans and loads shown on these drawings.
8. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
9. Panels shown as tested in a triple configuration. Multiple panels for an unlimited distance in the vertical direction are allowed.

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2	Cross Sections
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6	Bracket Anchoring (Masonry)



MAX. SINGLE PANEL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
120" X 42.5"	+ 60.0	- 70.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.30 14:00:37 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

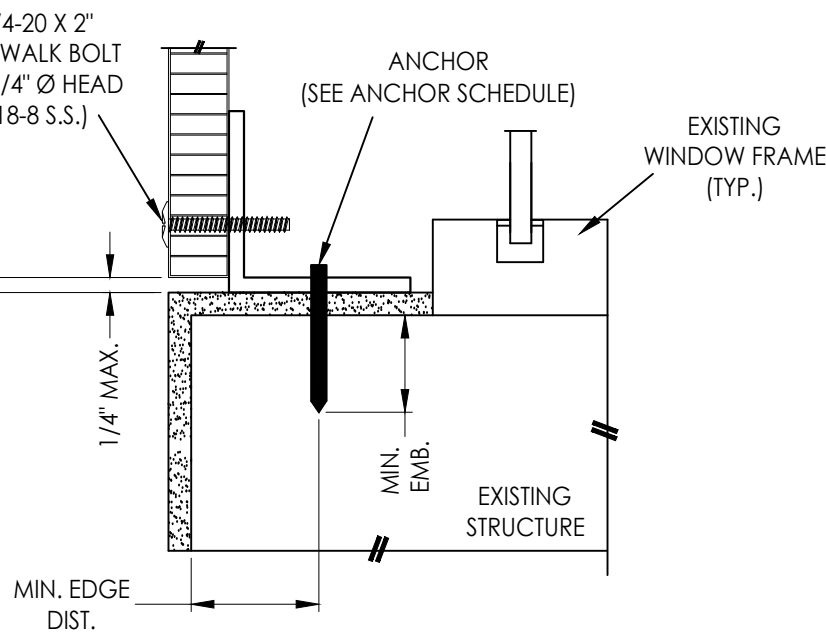
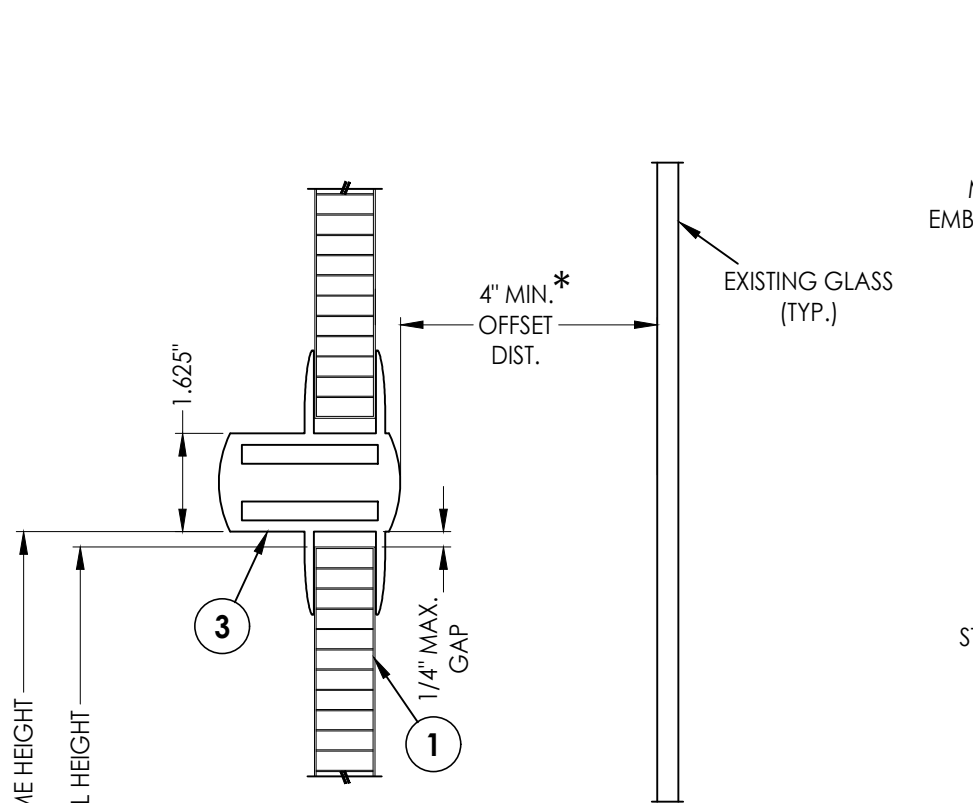
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: STORM PANELS
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURE & GENERAL NOTES

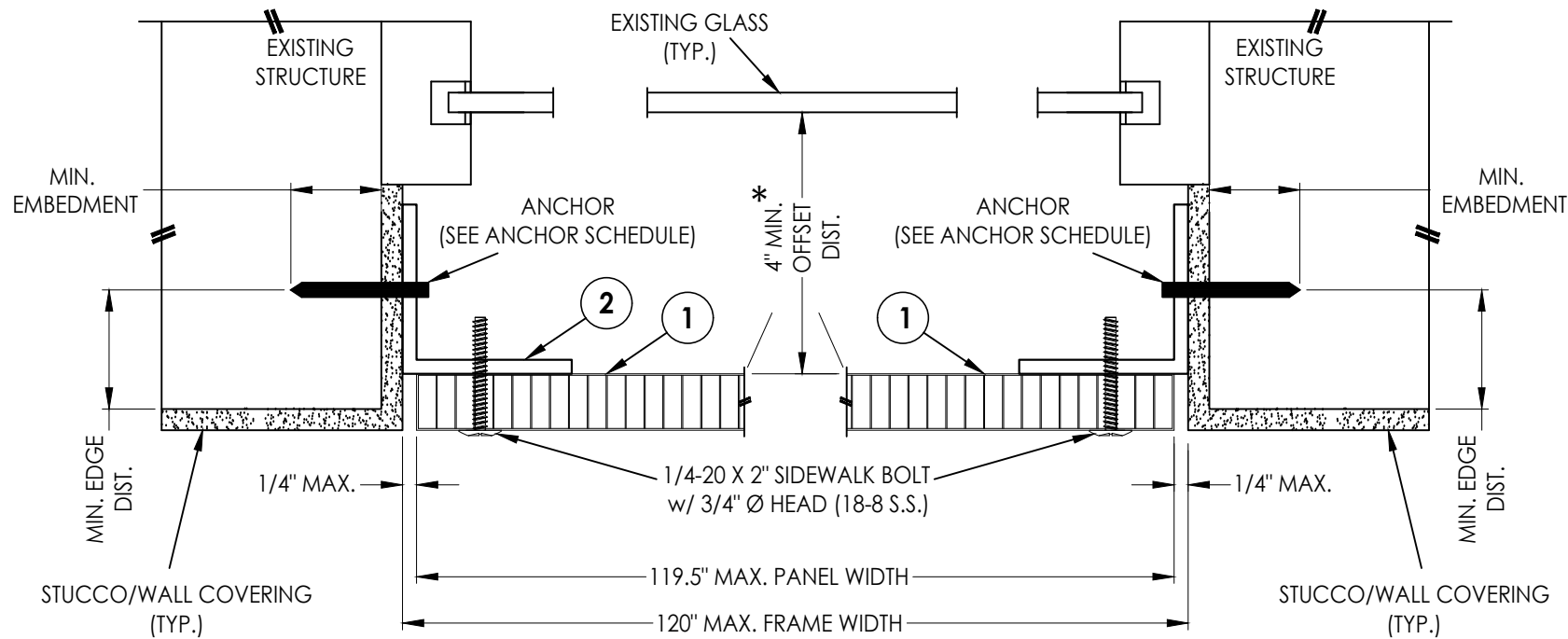
NO.	DATE	REVISIONS	
		BY	DATE
2	8/30/23	LFS	UPDATE TO 8TH ED. (2023) FBC
1	8/13/20	DAC	UPDATE TO 7th ED. (2020) FBC

DATE: 4/11/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21719.3
SHEET 1 OF 6

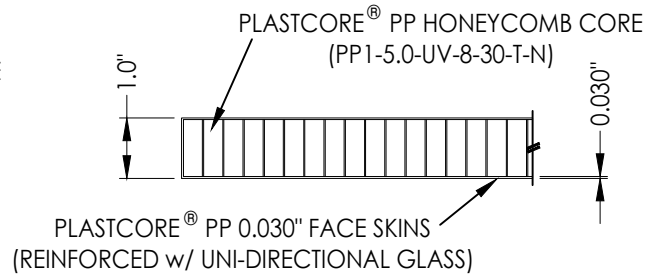
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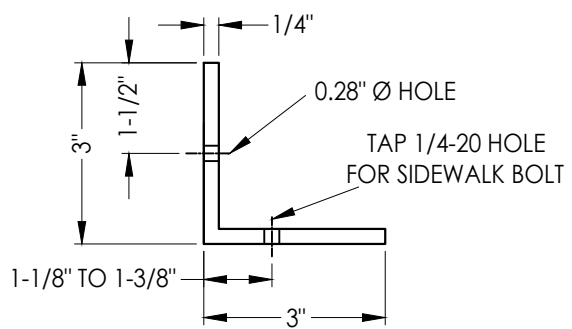
1
2 VERTICAL CROSS SECTION



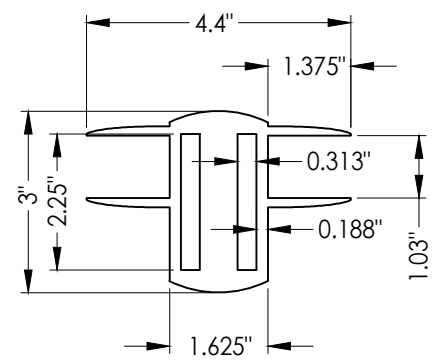
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2 HORIZONTAL CROSS SECTION



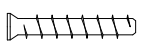
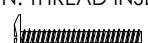
1 POLYPROPYLENE PANEL
PLASTCORE®



2 ALUMINUM ANGLE (6063-T6)
3" X 3" X 1/4"
MITERED @ ENDS



3 ALUMINUM REINFORCEMENT (6063-T6)

ANCHOR SCHEDULE				
SUBSTRATE ANCHOR	ALUMINUM BRACKET ATTACHMENT	SUBSTRATE	EMBEDMENT	EDGE DISTANCE
ELCO/DeWALT PANELMATE® INSERTS w/ 1/4-20 INTERNAL THREADS 	1/4-20 S.S. MACHINE SCREW w/ 3/4" Ø HEAD (w/ 1" MIN. THREAD INSERTED) 	WOOD	1-5/8" MIN.	3/4" MIN.
		CONCRETE	1-1/4" MIN.	1-3/4" MIN.

WOOD FRAMING (G >= 0.55)
CONCRETE CONFORMING TO ACI 301 (3,000 PSI MIN.) OR HOLLOW BLOCK CONFORMING TO ASTM C90

* NOTE: THE MINIMUM OFFSET DISTANCE SHALL BE MEASURED TO THE NEAREST EDGE OF GLASS OR FRAME COMPONENT THE STORM PANEL IS PROTECTING.

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STORM PANELS

PART OR ASSEMBLY:
CROSS SECTIONS

DATE: 4/11/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21719.3

SHEET 2 OF 6

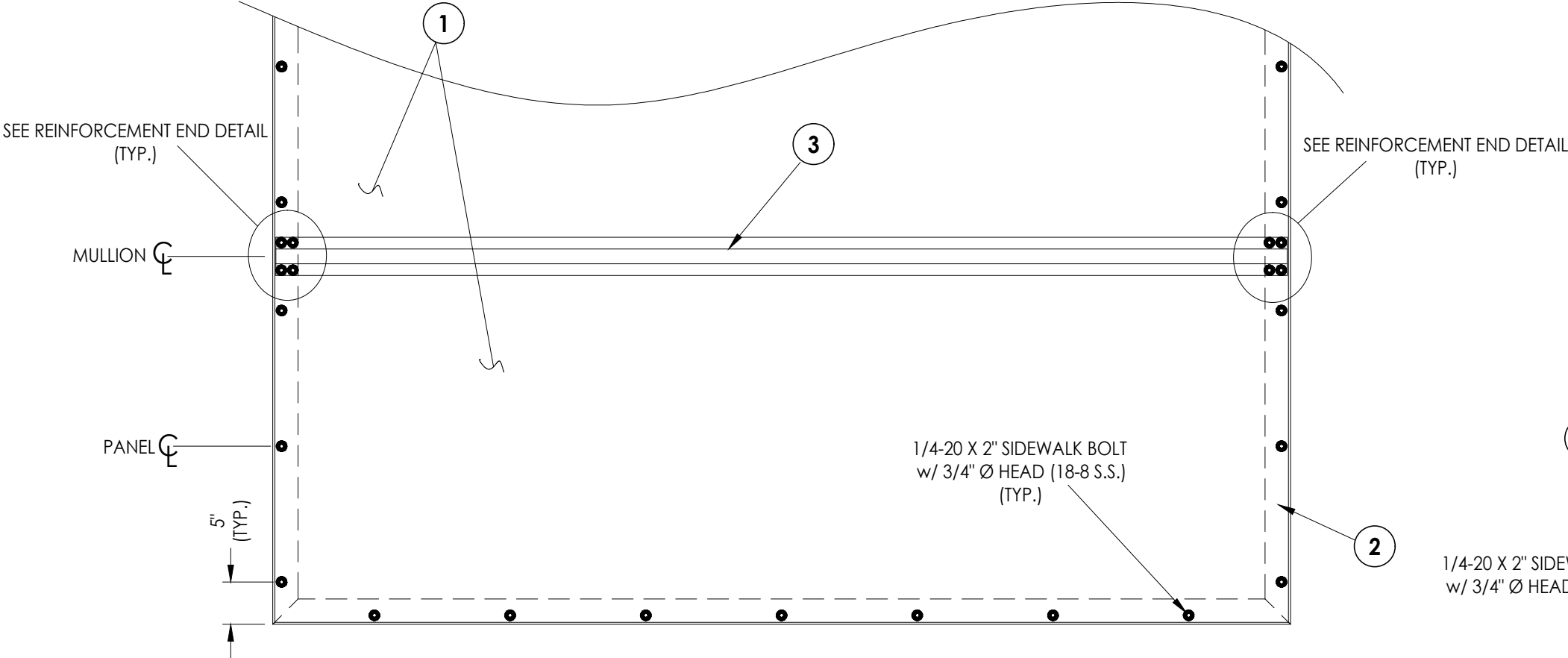
REVISIONS

NO.	DATE	BY	DESCRIPTION
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1	8/13/20	DAC	UPDATE TO 7th ED. (2020) FBC

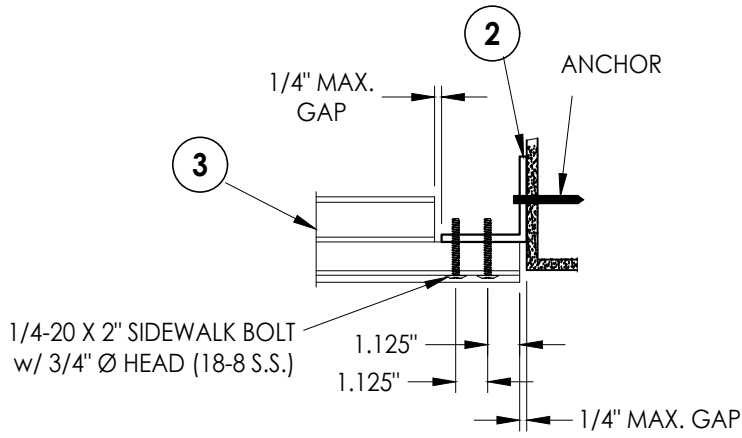
R^W BUILDING CONSULTANTS, INC.

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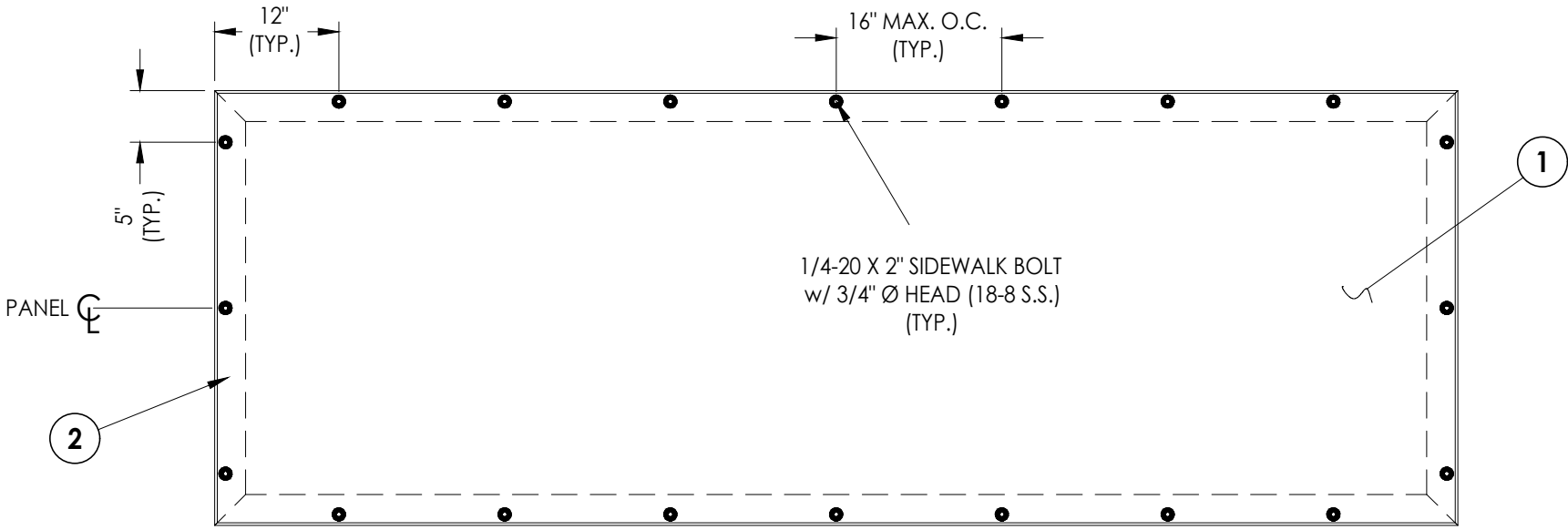
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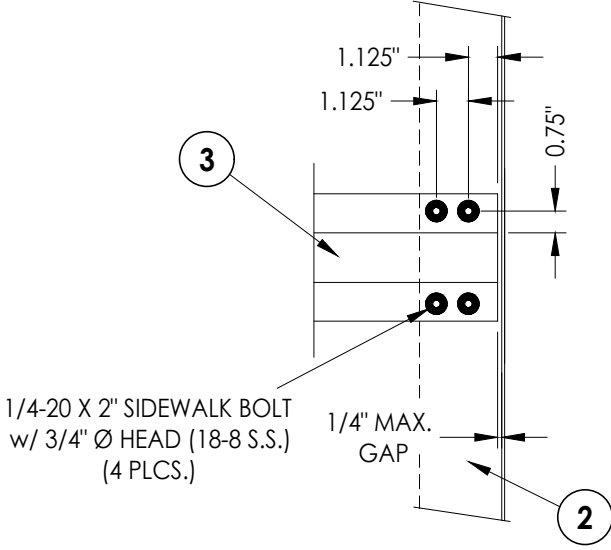
MULTIPLE PANEL FRAME ANCHORING
to Aluminum Bracket



SECTION @ REINFORCEMENT



SINGLE PANEL FRAME ANCHORING
to Aluminum Bracket



REINFORCEMENT END DETAIL
@ Head & Sill

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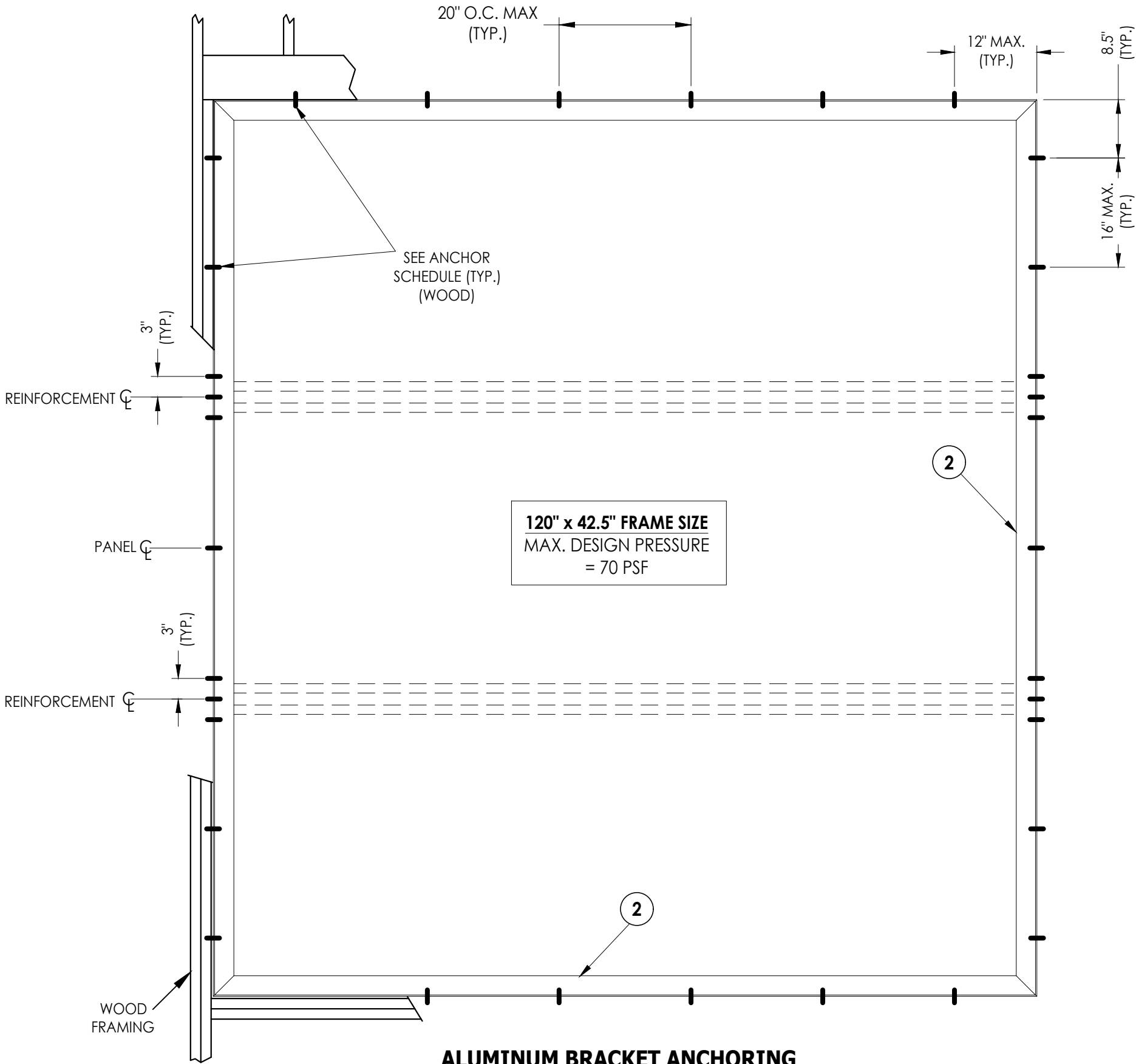
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PRODUCT:	
STORM PANELS	
PART OR ASSEMBLY:	
FRAME ANCHORING & BRACKET INSTALLATION (WOOD)	

NO.	DATE	REVISIONS		
		DATE	BY	DESCRIPTION
2	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	8/13/20	UPDATE TO 7th ED. (2020)	FBC	DAC

DATE:	4/11/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21719.3
SHEET	3 OF 6

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ALUMINUM BRACKET ANCHORING
Wood Installation

DATE: 4/11/18	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-21719.3	
SHEET 4	OF 6

NO.		DATE	REVISIONS	
2	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	8/13/20	UPDATE TO 7th ED. (2020)	FBC	DAC

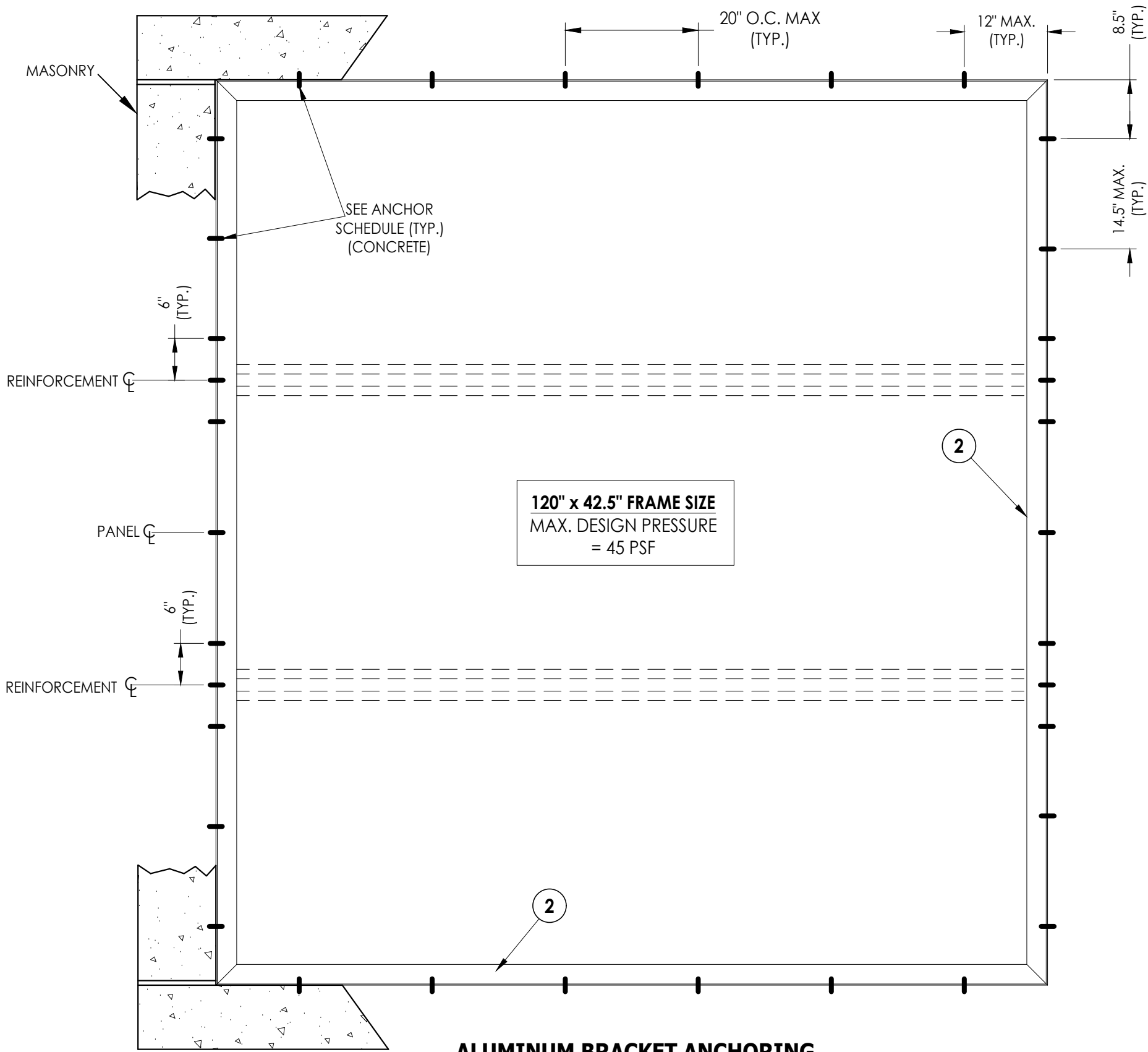
PRODUCT:		STORM PANELS
PART OR ASSEMBLY:		BRACKET ANCHORING (WOOD)

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ALUMINUM BRACKET ANCHORING
Masonry Installation

2	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/13/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
NO.	DATE			BY	

DATE:	4/11/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21719.3
SHEET	6 OF 6

PRODUCT:	STORM PANELS
PART OR ASSEMBLY:	BRACKET ANCHORING (MASONRY)

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