

SL WESTWOOD DESIGNS

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

"FRONT ROW HURRICANE SHUTTERS"
STORM PANELS
CORNER UNIT
"IMPACT"

General Notes:

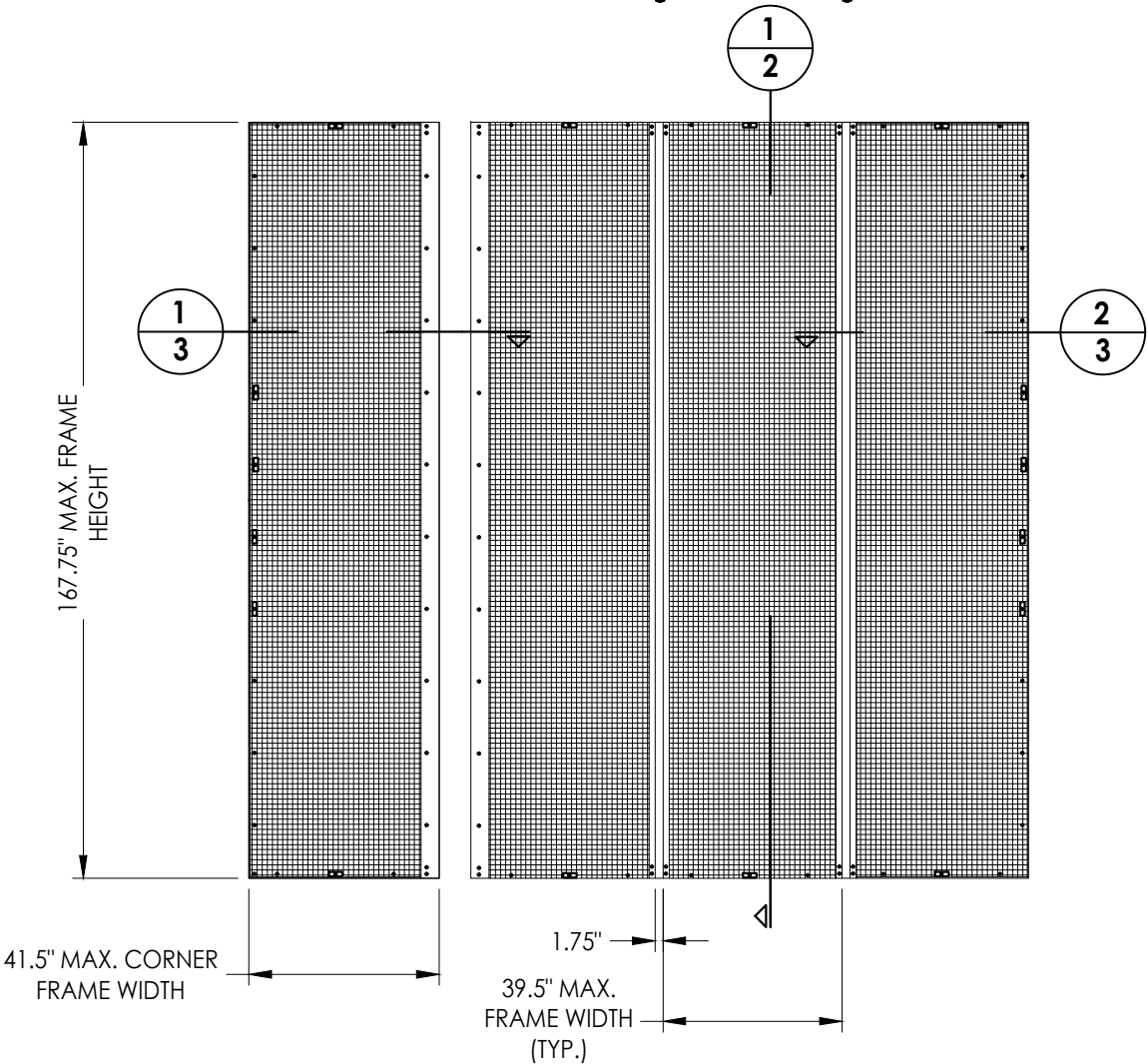
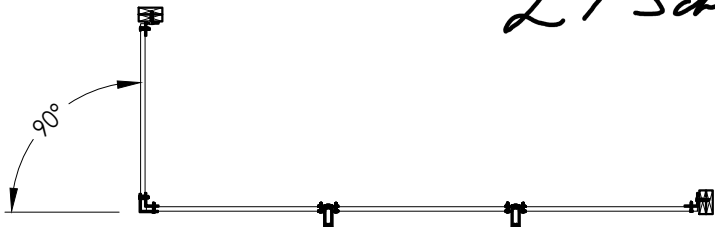
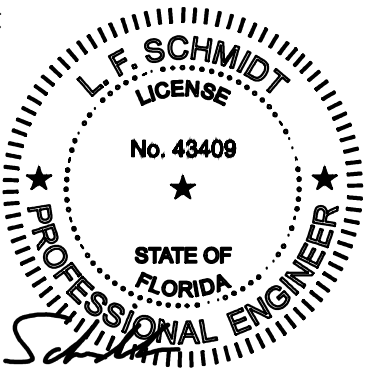
1. This system has been tested and evaluated as a large missile impact protective system in accordance with the requirements of the 8th Edition (2023) Florida Building Code (FBC) including the High Velocity Hurricane Zone ("HVHZ").
2. When used in areas outside the "HVHZ", this product meets missile 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 corner (single/triple) configuration. Multiple panels for an unlimited distance in the horizontal direction are allowed.

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1	Typical Elevations, Design Pressures & General Notes
2	Vertical Cross Sections
3	Horizontal Cross Sections
4	Frame Anchoring
5	Bracket Anchoring (Wood)
6	Bracket Anchoring (Masonry)
7	Bracket Anchoring (Masonry)

Digitally signed by Lyndon F Schmidt
Date: 2023.08.30 14:00:11 -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
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must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

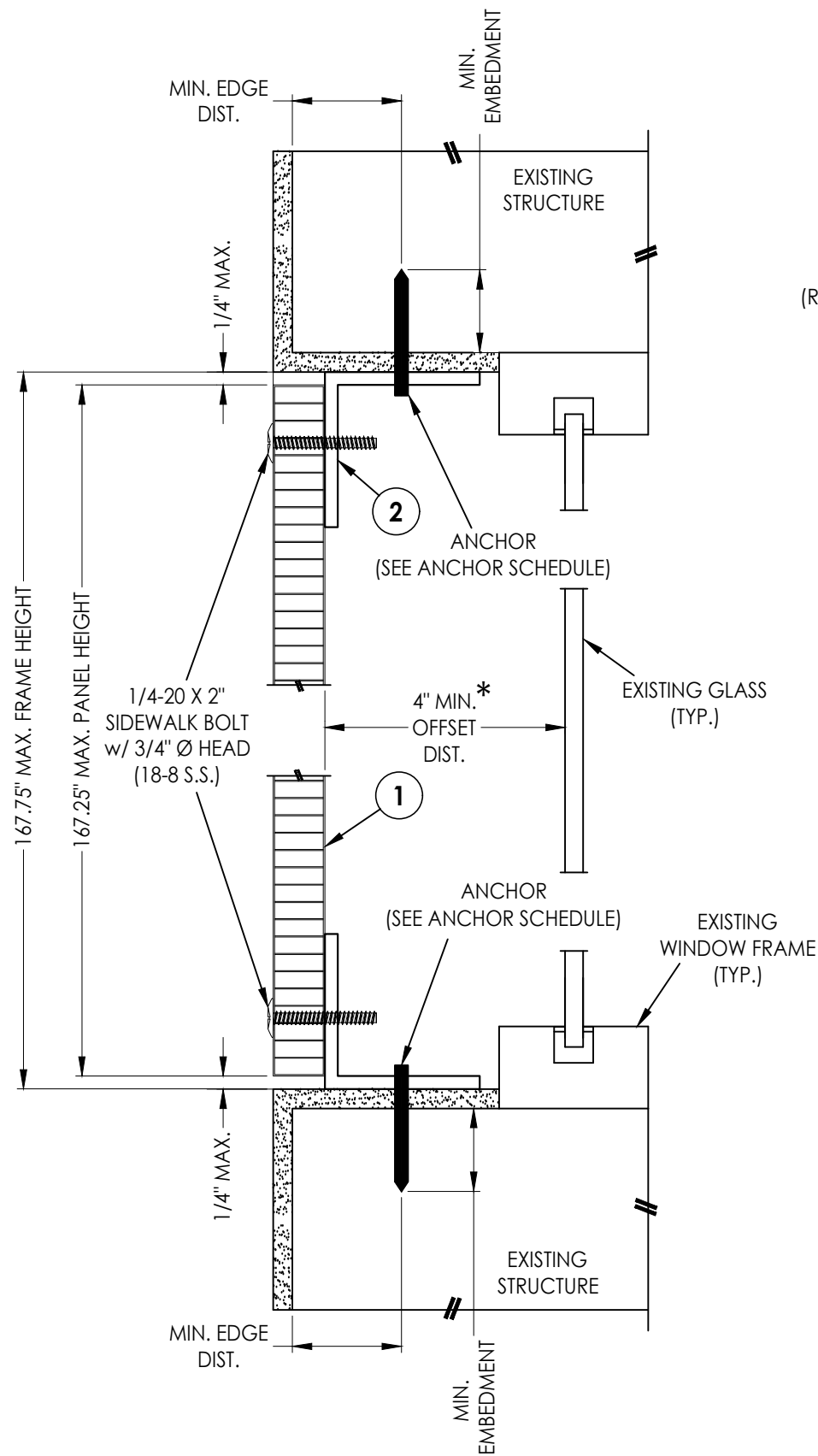


MAX. CORNER FRAME DIMENSION	MAX. SINGLE PANEL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
41.5" X 167.75"	39.5" X 167.75"	+ 60.0	- 70.0

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

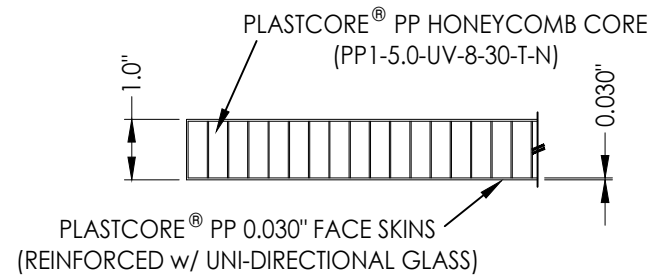
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURE & GENERAL NOTES	
STORM PANELS		LFS		BY	
		2 8/30/23 UPDATE TO 8TH ED. (2023) FBC		DATE	
		1 8/13/20 UPDATE TO 7th ED. (2020) FBC		NO.	
				REVISIONS	
				DATE: 4/11/18	
				SCALE: N.T.S.	
				DWG. BY: JK	
				CHK. BY: LFS	
				DRAWING NO.: FL-21719.4	
				SHEET 1 OF 7	

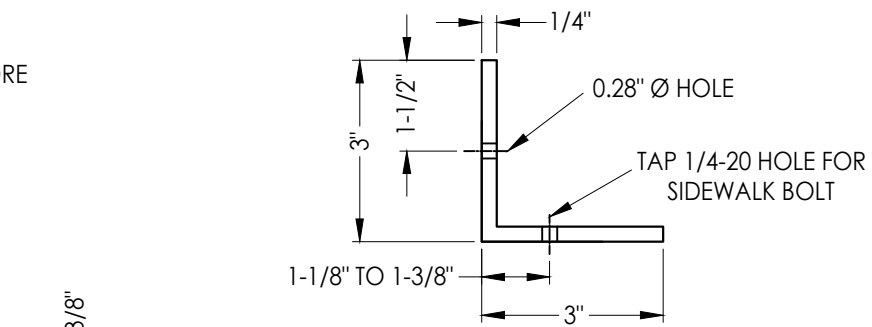


1 VERTICAL CROSS SECTION

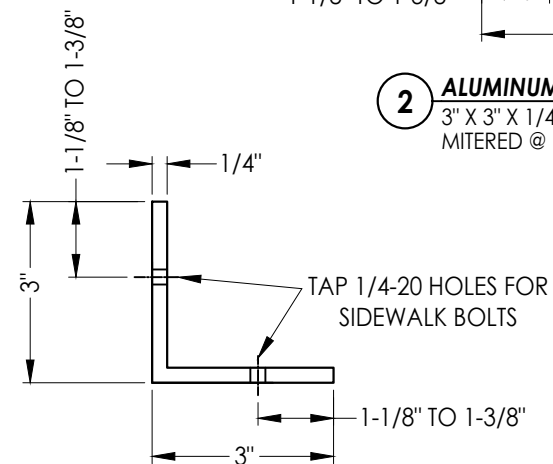
*NOTE: THE MINIMUM OFFSET DISTANCE SHALL BE MEASURED TO THE NEAREST EDGE OF GLASS OR FRAME COMPONENT THE STORM PANEL IS PROTECTING.



1 POLYPROPYLENE PANEL
PLASTCORE®

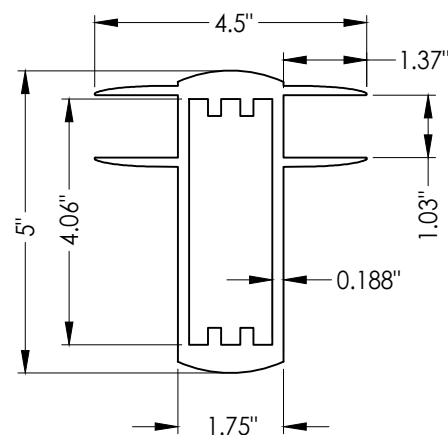


2 ALUMINUM ANGLE (6063-T6)
3" X 3" X 1/4"
MITERED @ ENDS

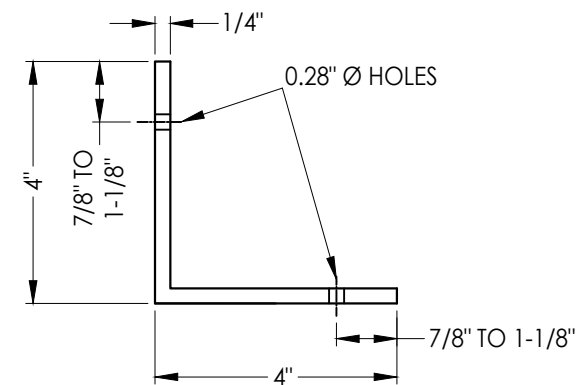


2C ALUMINUM CORNER ANGLE (6063-T6)

3" X 3" X 1/4"
MITERED @ ENDS

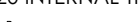


3 ALUMINUM REINFORCEMENT (6063-T6)



4 ALUMINUM CORNER ANGLE (6063-T6)

4" X 4" X 1/4"
MITERED @ ENDS

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.	2-3/4" MIN.

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

[illegible]

DATE: 4/11/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

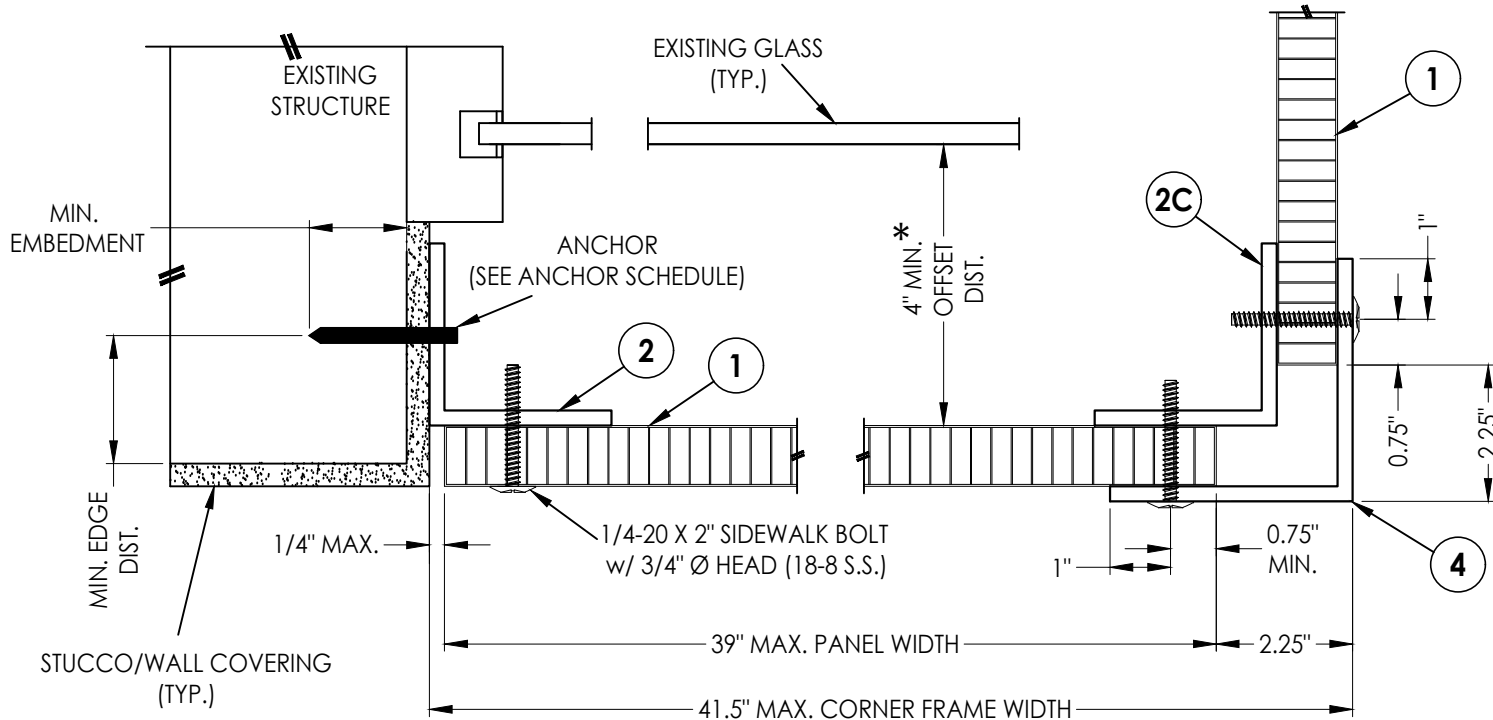
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FL-21719.4

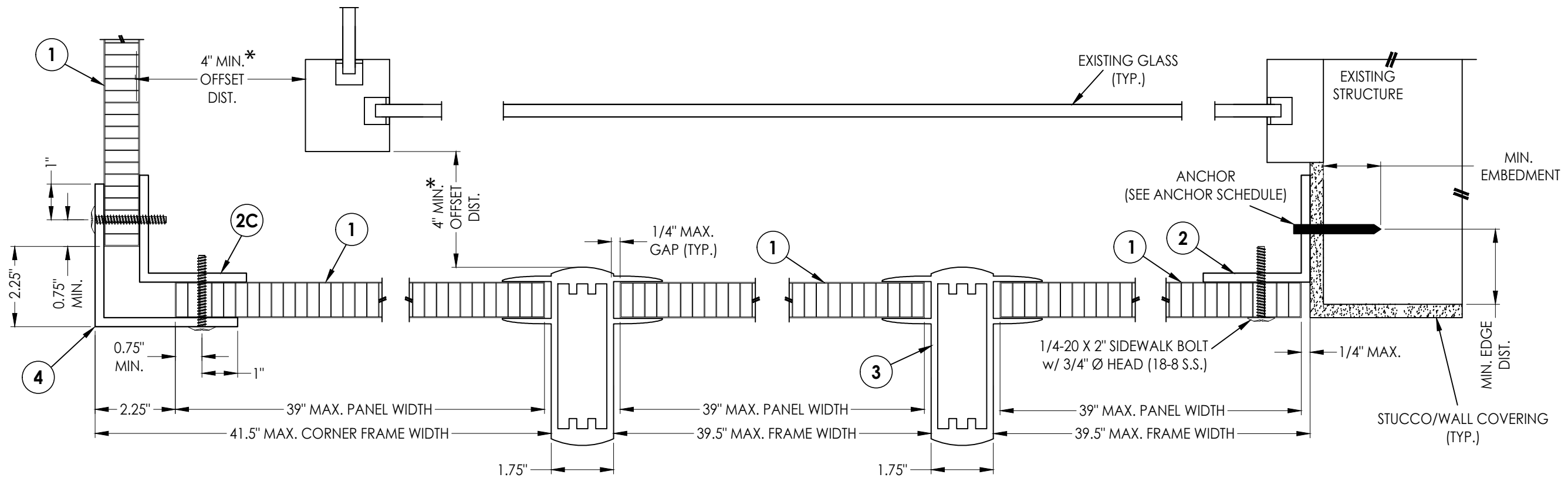
SHEET 2 OF 7

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

RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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1 **HORIZONTAL CROSS SECTION**
3



2 HORIZONTAL CROSS SECTION

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

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

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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STORM PANELS

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

[illegible]

DATE: 4/11/18

SCALE: N.T.S.

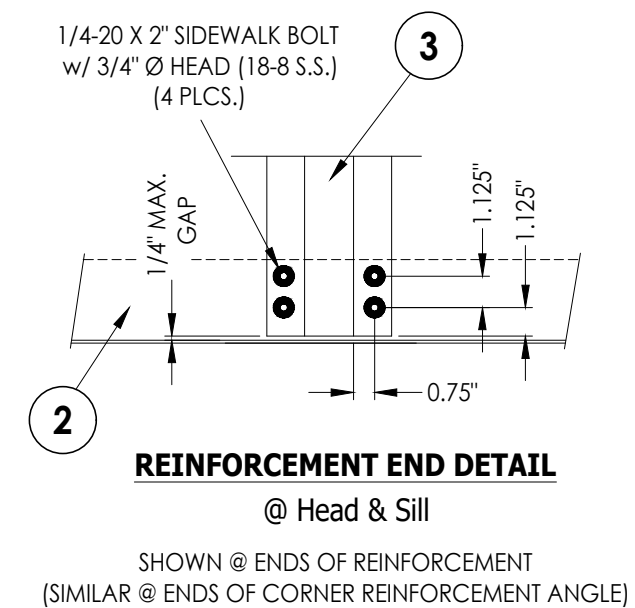
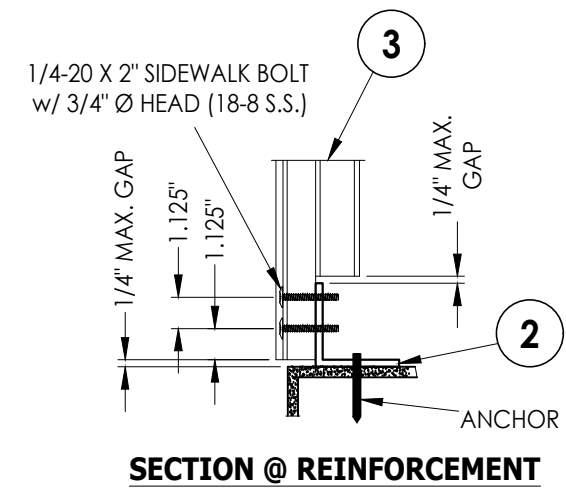
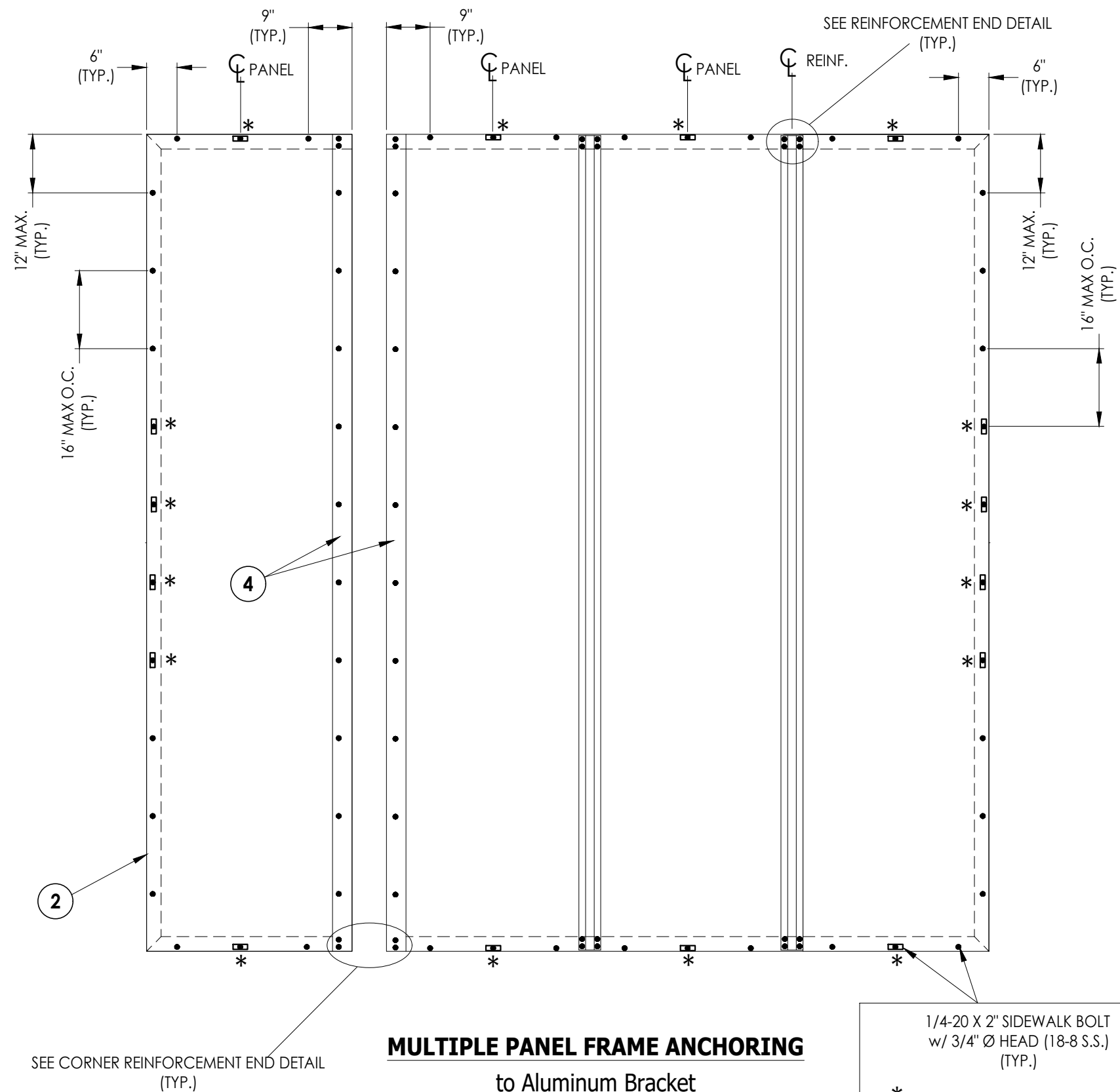
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CHK. BY: *LFS*

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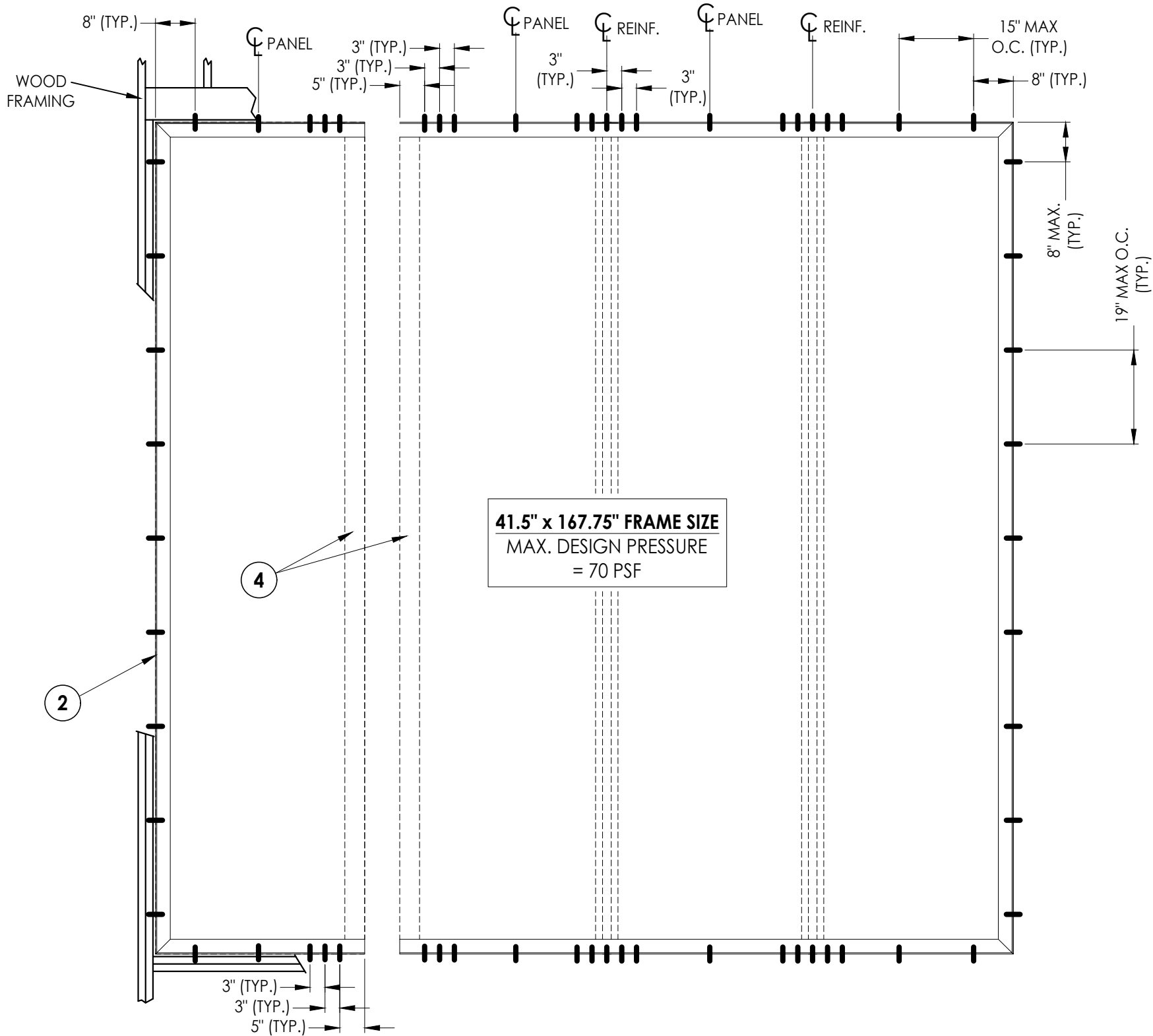
FL-21719.4

SHEET 3 OF 7



DATE:	4/11/18				
SCALE:	N.T.S.				
DWG. BY:	JK				
CHK. BY:	LFS				
DRAWING NO.:	FL-21719.4				
SHEET	4	OF	7		
			2	8/30/23	UPDATE TO 8TH ED. (2023) FBC
			1	8/13/20	UPDATE TO 7th ED. (2020) FBC
			NO.	DATE	
					REVISIONS
PRODUCT:			STORM PANELS PART OR ASSEMBLY: FRAME ANCHORING		
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
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MULTIPLE PANEL FRAME ANCHORING
to Aluminum Bracket

DATE: 4/11/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21719.4
SHEET 5 of 7

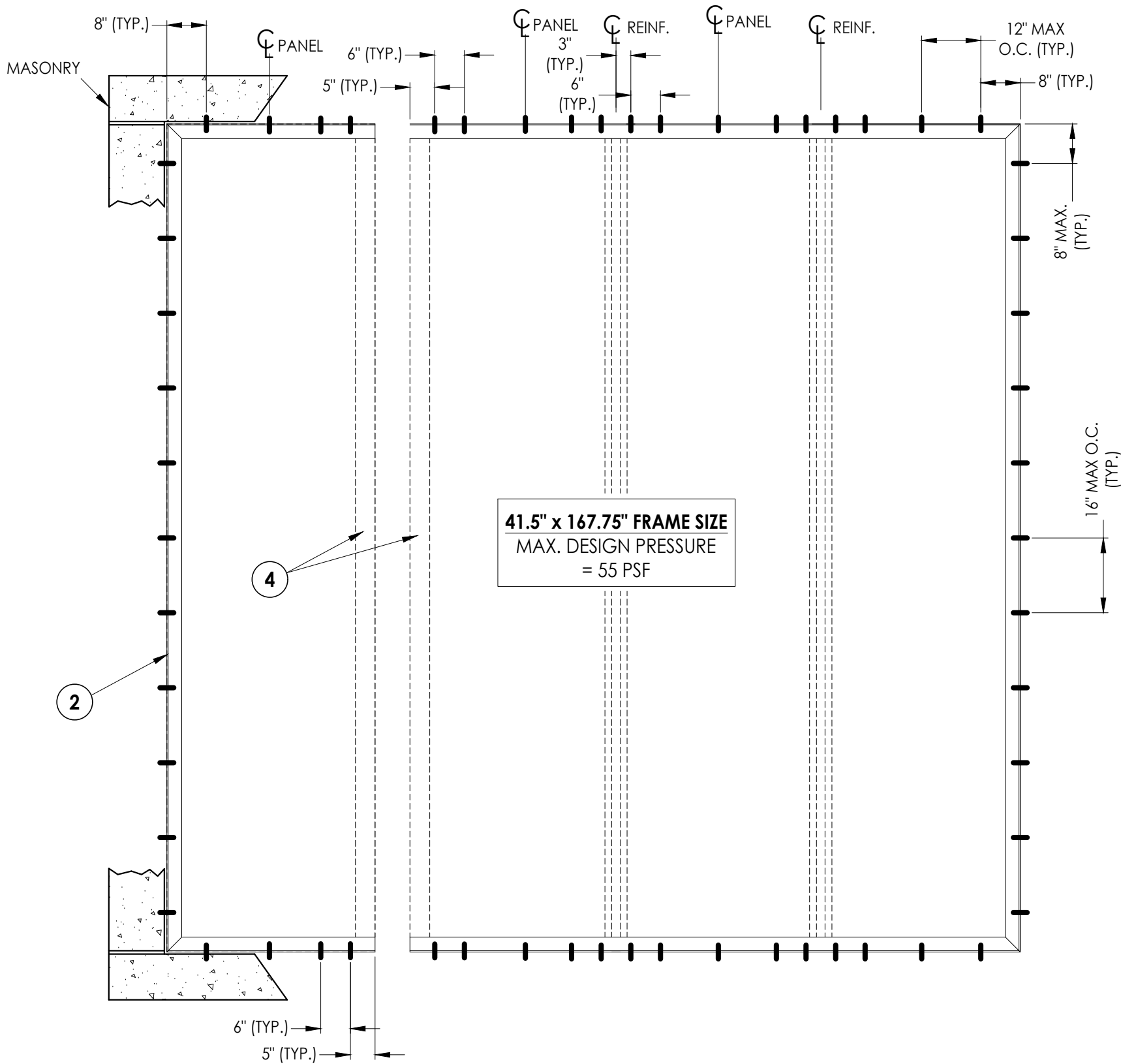
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		DATE	BY	DESCRIPTION
2	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	8/13/20	UPDATE TO 7th ED. (2020)	FBC	DAC

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

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

RW BUILDING CONSULTANTS, INC.
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MULTIPLE PANEL FRAME ANCHORING
to Aluminum Bracket

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		UPDATE TO	BY	DATE
2	8/30/23	UPDATE TO 8TH ED. (2023) FBC	LFS	
1	8/13/20	UPDATE TO 7th ED. (2020) FBC	DAC	

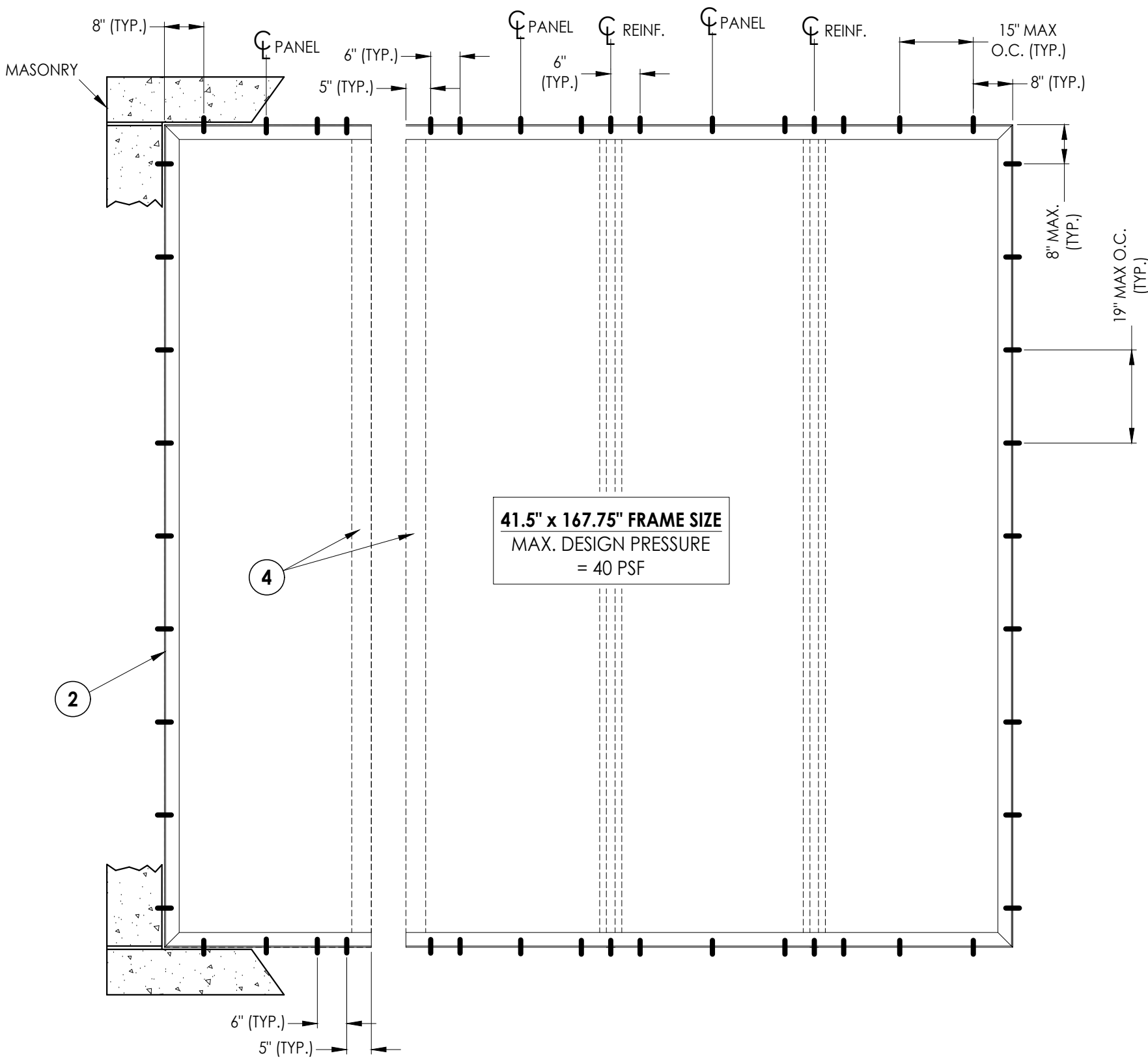
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21719.4
SHEET 6 OF 7

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

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Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
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MULTIPLE PANEL FRAME ANCHORING
to Aluminum Bracket

DATE:	4/11/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21719.4
SHEET	7 OF 7

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

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

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