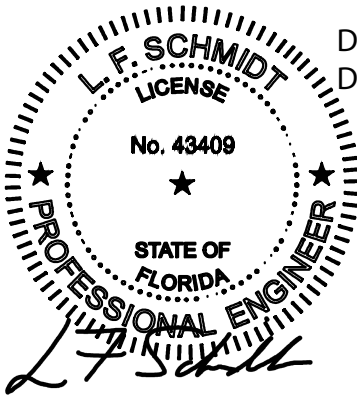


SL WESTWOOD DESIGNS

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

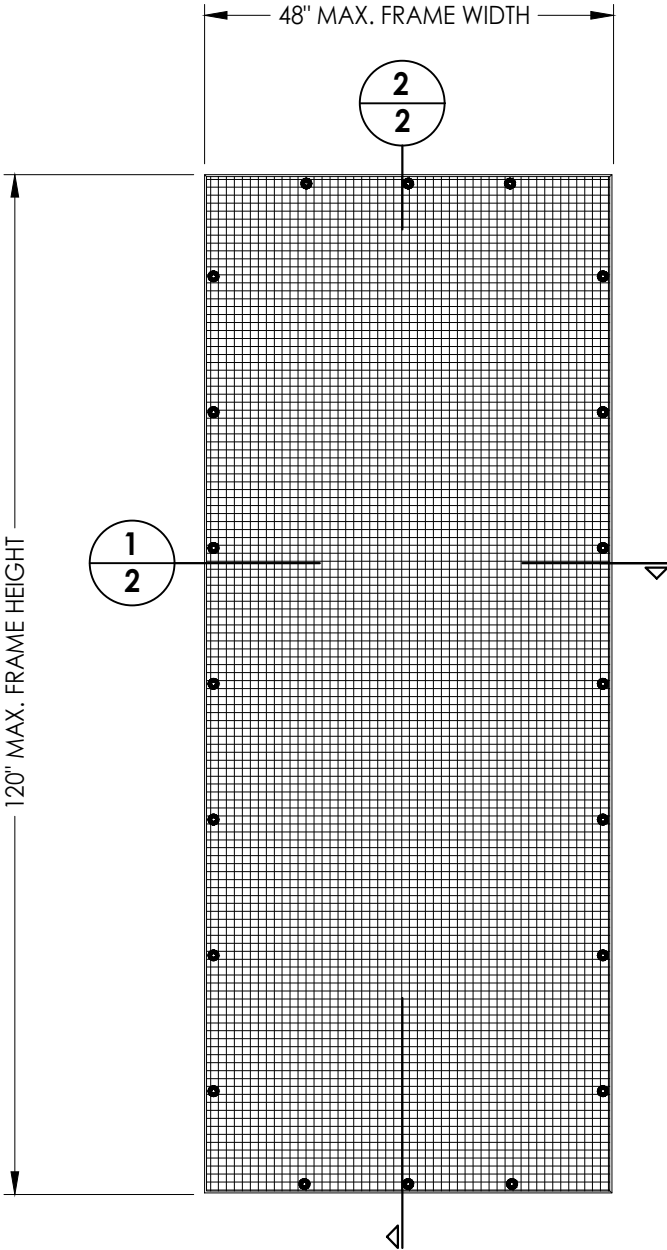
"FRONT ROW HURRICANE SHUTTERS"
STORM PANELS
"IMPACT"



Digitally signed by Lyndon F Schmidt
Date: 2023.08.30 14:01:03 -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



OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
48" X 120"	+ 65.0	- 70.0

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. Top & bottom details shown may be interchanged as field conditions dictate. Panels may be mounted horizontally where applicable.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Cross Sections
3	Frame Anchoring & Bracket Installation (Wood)
4	Bracket Anchoring (Masonry)
5	Bracket Anchoring (Masonry)

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

STORM PANELS

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

4	8/30/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	8/13/20	UPDATE TO 7th ED. (2020) FBC	DAC
2	4/16/18	REVISE DRAWING NO.	JK
1	10/05/17	UPDATE TO 6th ED. (2017) FBC	JK
NO.	DATE		BY

REVISIONS

DATE: 2/07/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

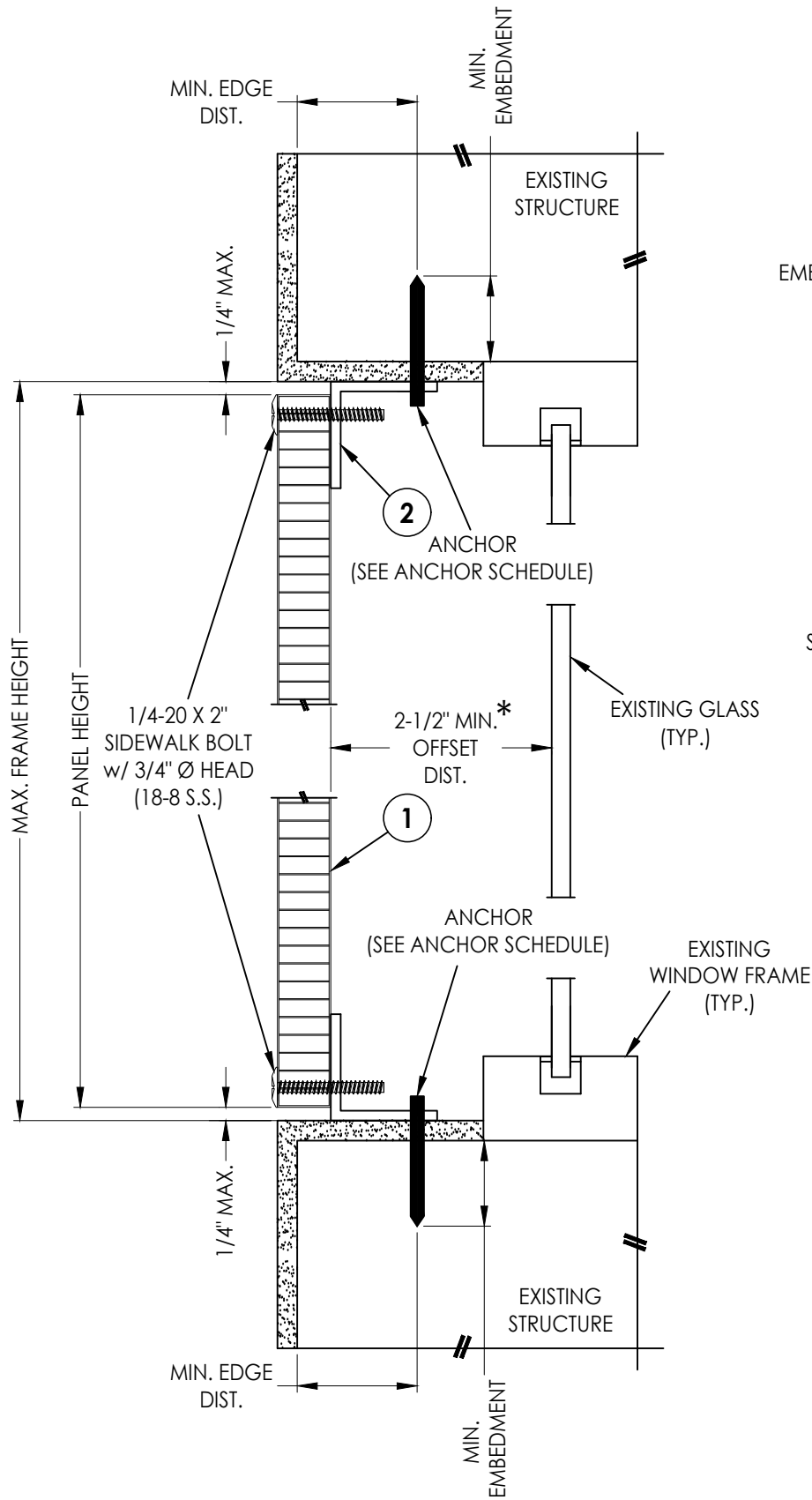
DRAWING NO.: FL-21719.1

SHEET 1 OF 5

RW

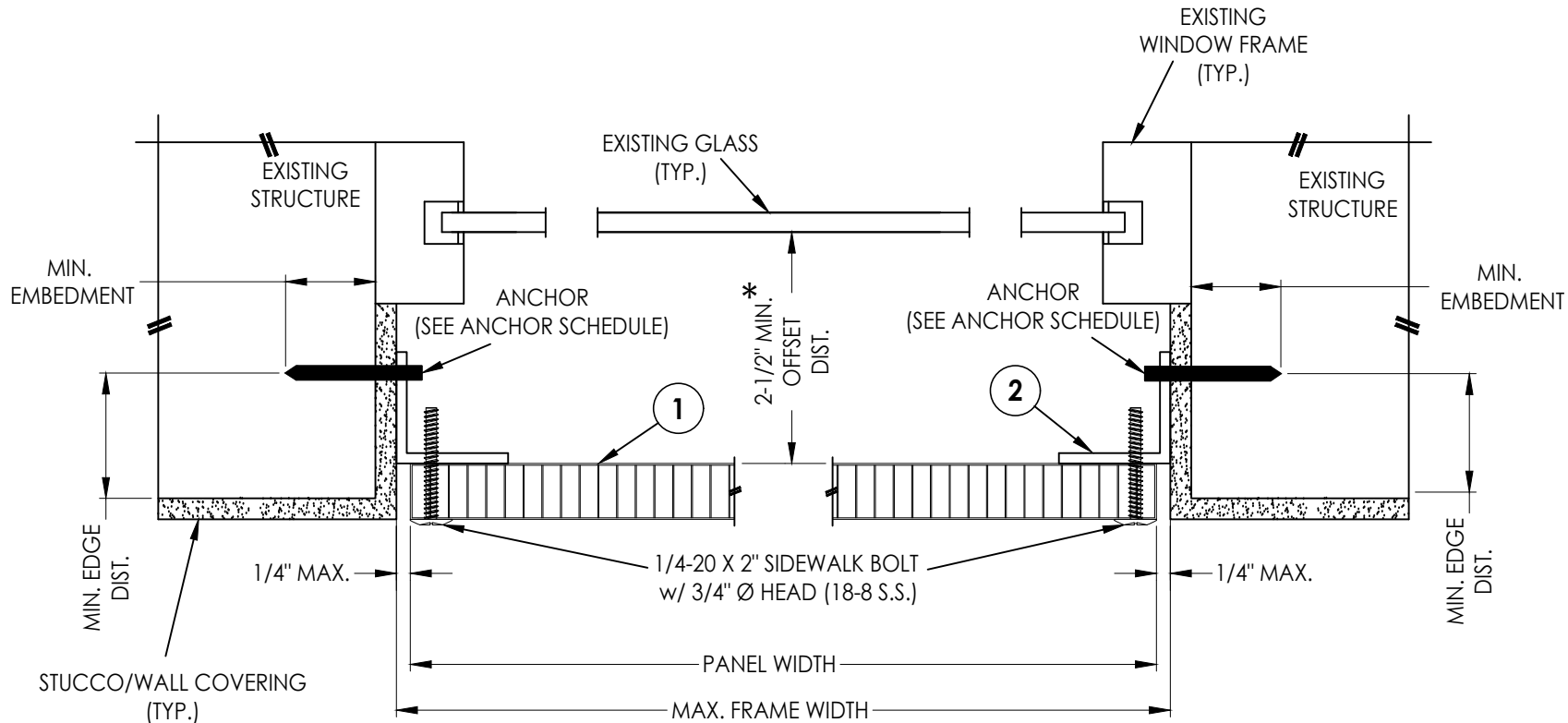
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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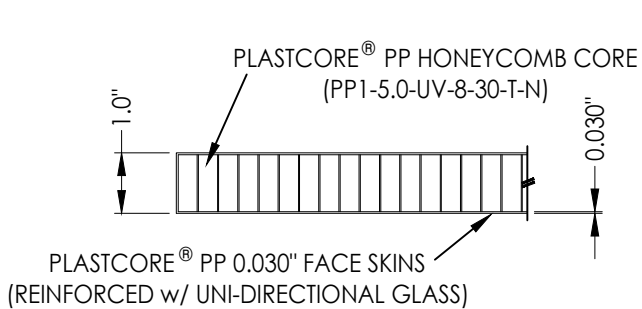


2 VERTICAL CROSS SECTION

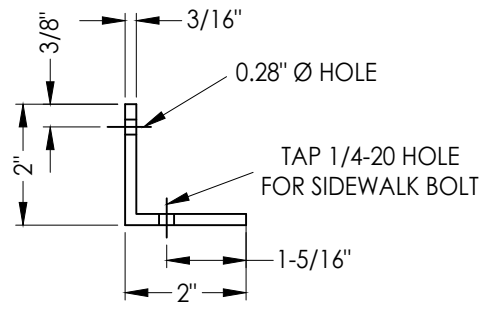
* NOTE: THE MINIMUM OFFSET DISTANCE SHALL BE MEASURED TO THE NEAREST EDGE OF GLASS OR FRAME COMPONENT THE STORM PANEL IS PROTECTING.



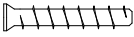
1 HORIZONTAL CROSS SECTION



1 POLYPROPYLENE PANEL
PLASTCORE®



2 ALUMINUM ANGLE
2" X 2" X 3/16"
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.	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

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

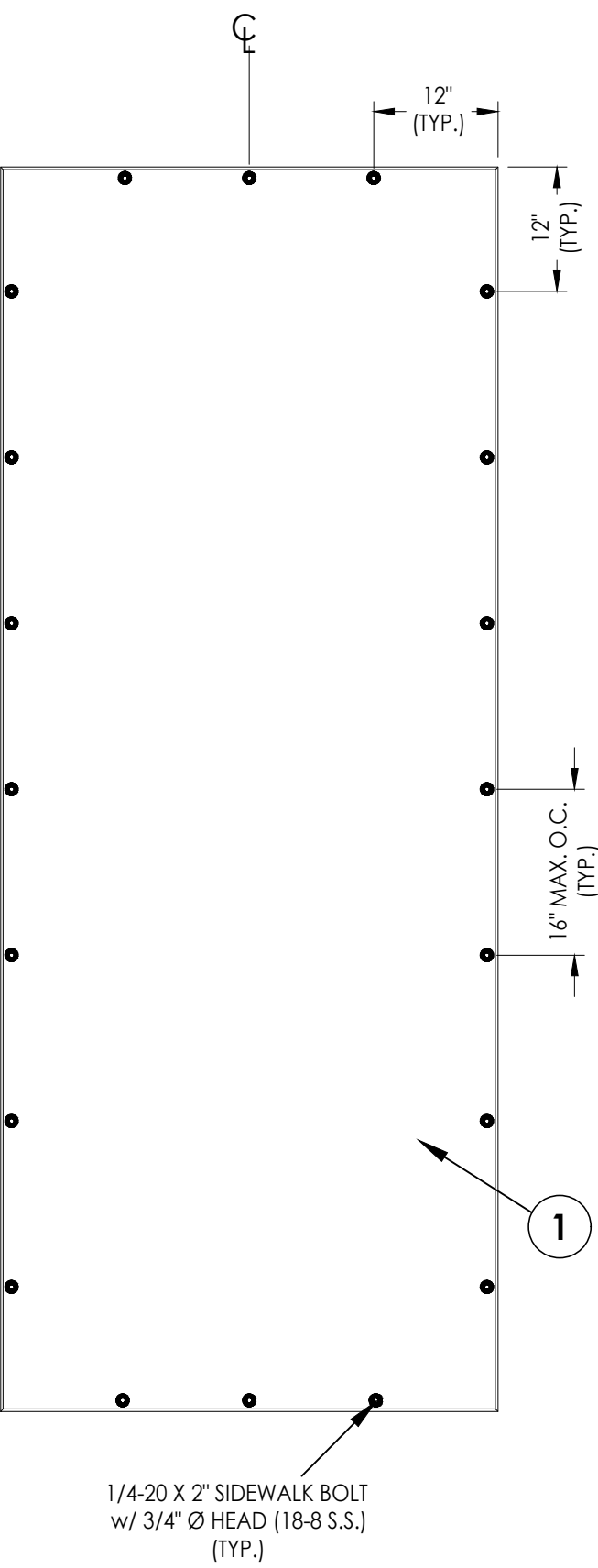
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: STORM PANELS
PART OR ASSEMBLY: CROSS SECTIONS

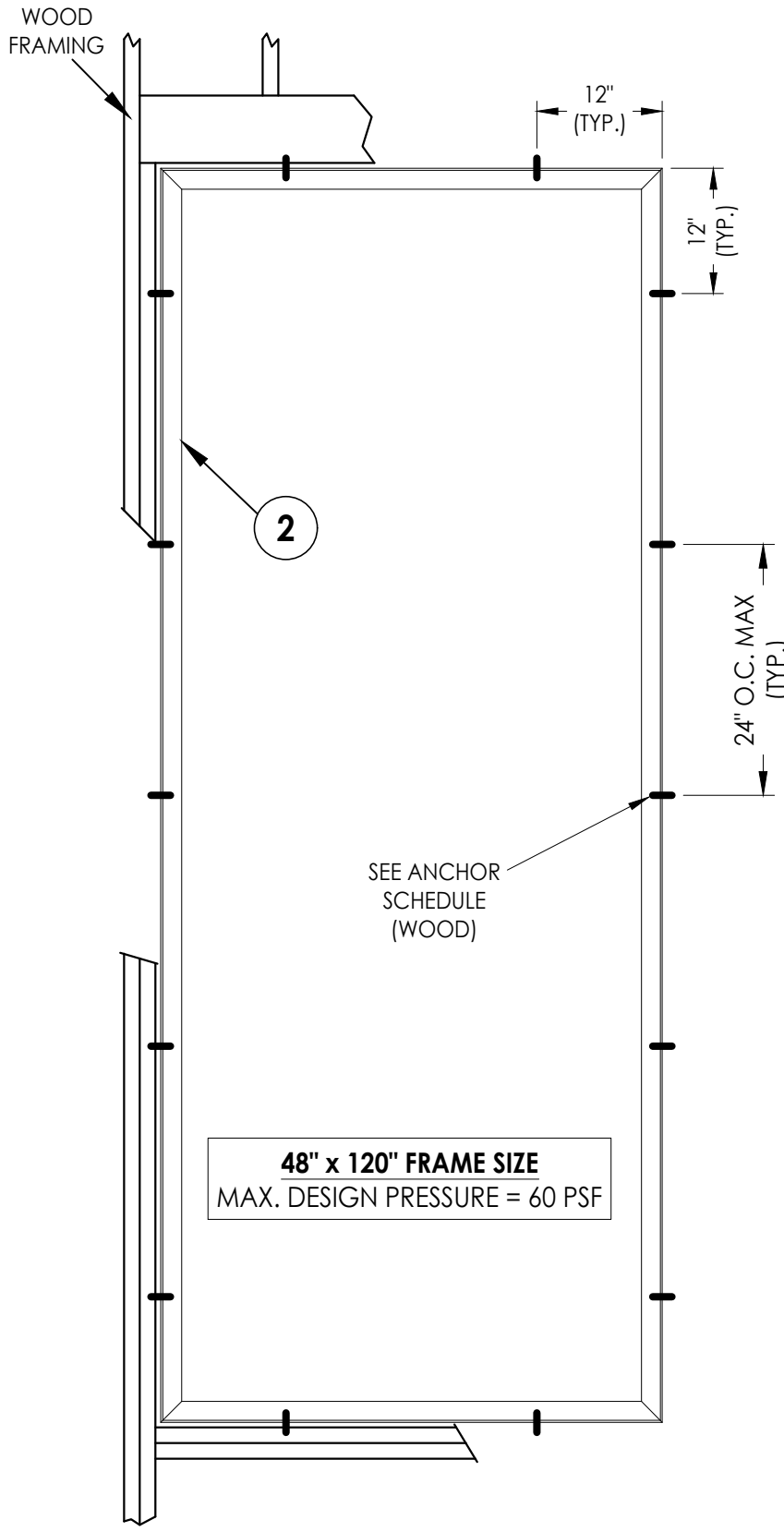
NO.	DATE	REVISIONS
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3	8/13/20	UPDATE TO 7th ED. (2020) FBC DAC
2	4/16/18	REVISE DRAWING NO. JK
1	10/05/17	UPDATE TO 6th ED. (2017) FBC JK

DATE: 2/07/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21719.1
SHEET 2 OF 5

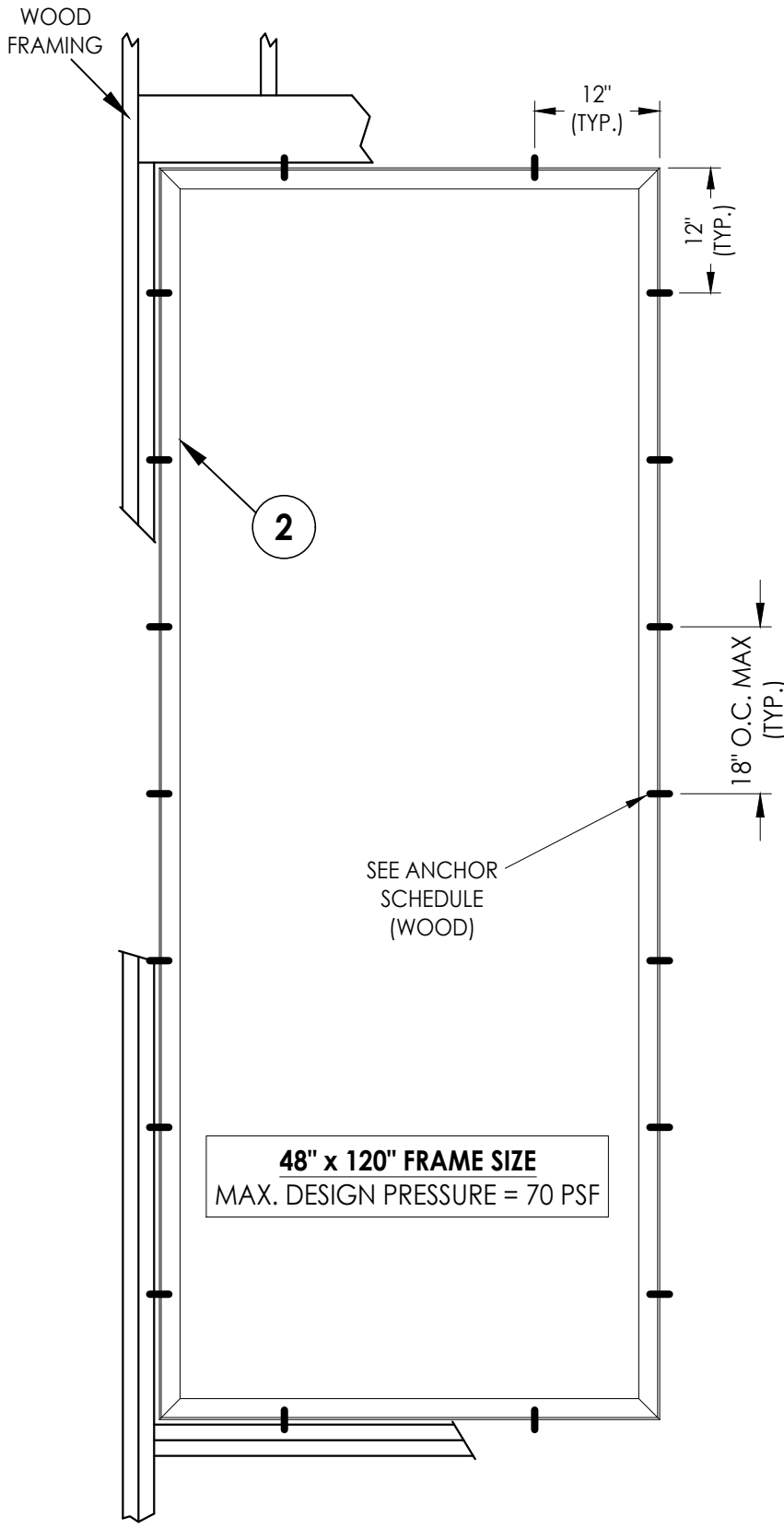
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PANEL FRAME ANCHORING
to Aluminum Bracket



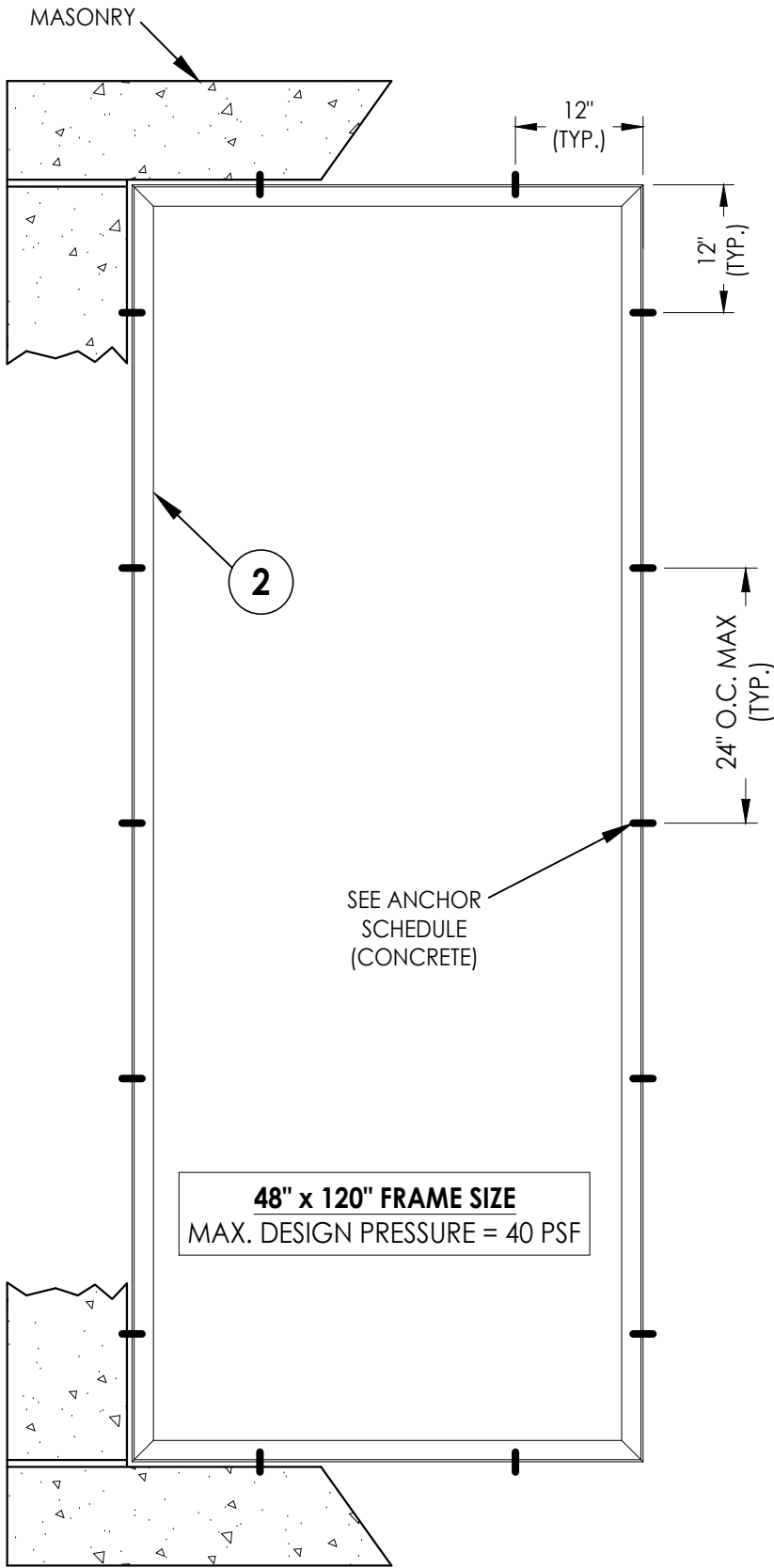
ALUMINUM BRACKET ANCHORING
Wood Installation



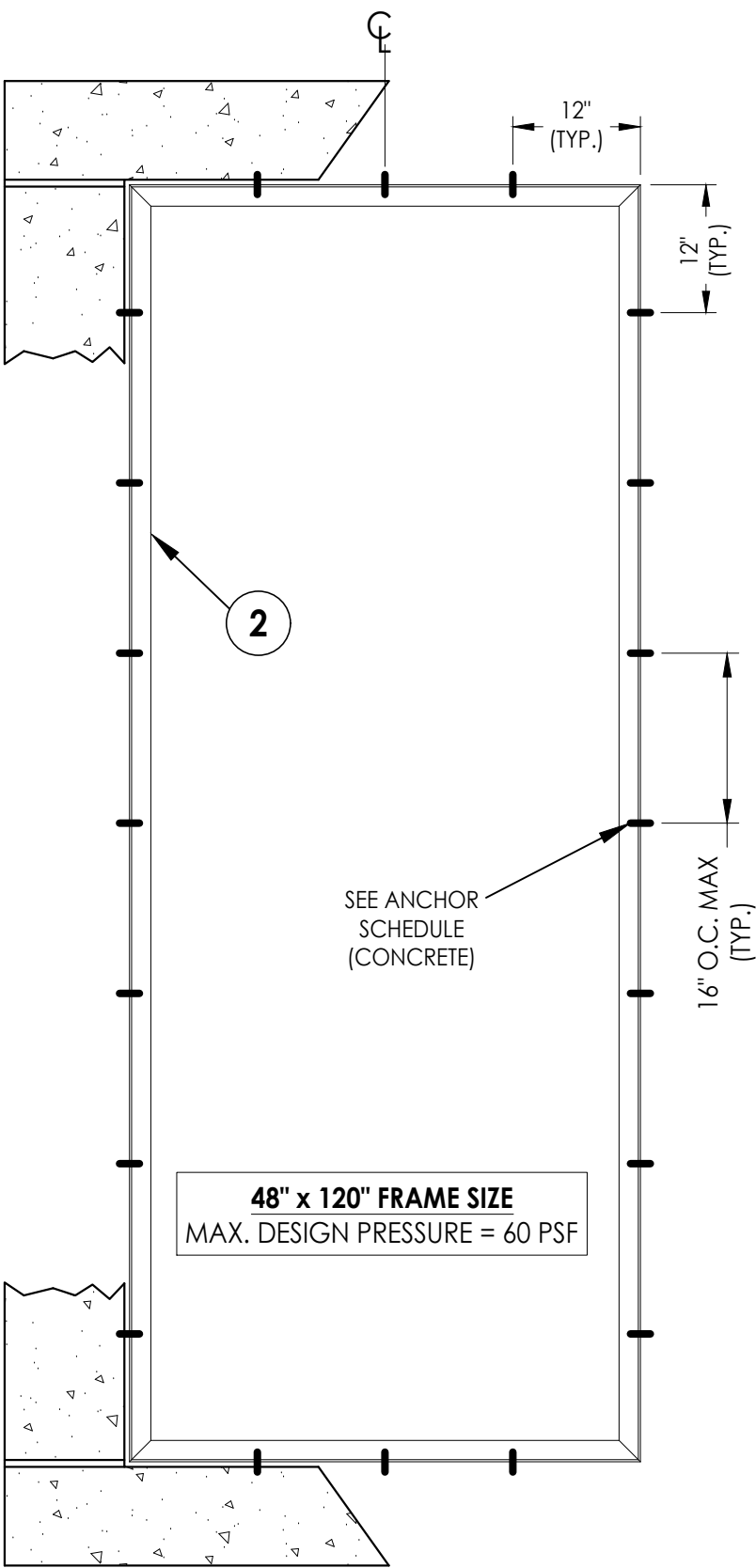
ALUMINUM BRACKET ANCHORING
Wood Installation

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: STORM PANELS		PART OR ASSEMBLY: FRAME ANCHORING & BRACKET INSTALLATION (WOOD)	
		LFS	JK
		DAC	JK
		JK	JK
		JK	BY
		REVISIONS	
		DATE: 2/07/17	
		SCALE: N.T.S.	
		DWG. BY: JK	
		CHK. BY: LFS	
		DRAWING NO.: FL-21719.1	
		SHEET 3 OF 5	

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ALUMINUM BRACKET ANCHORING
Masonry Installation



ALUMINUM BRACKET ANCHORING
Masonry Installation

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									
RW									
PRODUCT:									
STORM PANELS									
PART OR ASSEMBLY:									
BRACKET ANCHORING (MASONRY)									
REVISIONS									
DATE: 2/07/17									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-21719.1									
SHEET 4 OF 5									

