

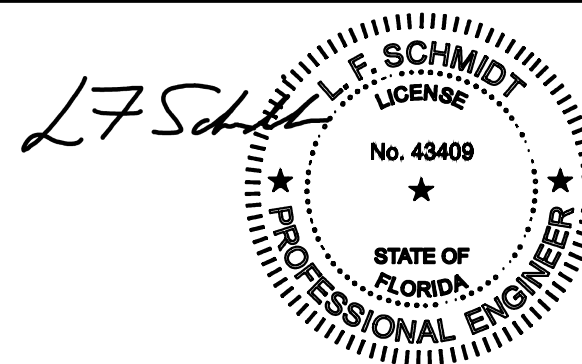


**EXTREME DUTY HURRICANE SERIES
FIBERGLASS SINGLE DOOR
OUTSWING
"IMPACT"**

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding 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 areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 & FBC Sections 1609.1.2.1 & R301.2.1.2.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

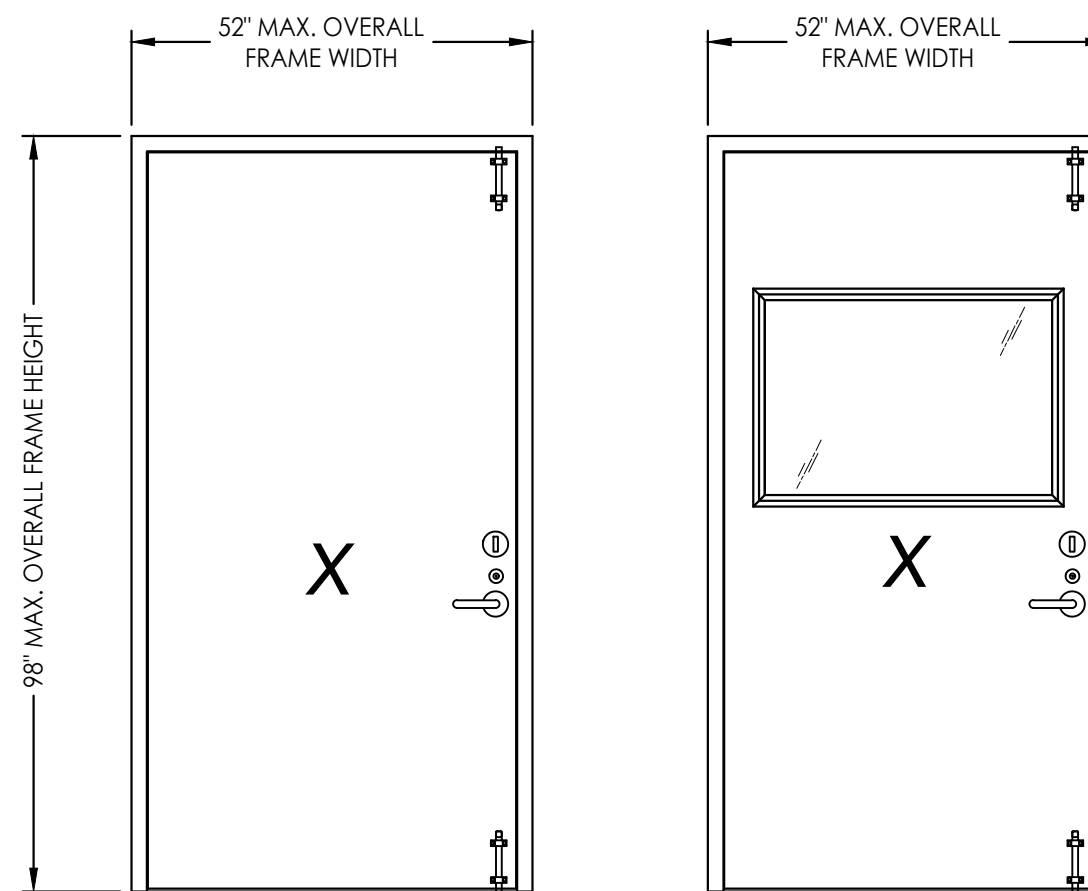
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SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Frame anchoring & hardware details
6	Bill of materials & components



Digitally signed by Lyndon F Schmidt
Date: 2023.08.23 14:37:20 -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



OPAQUE

GLAZED

MAX FRAME DIMENSION	DOOR TYPE	DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE
52" x 98"	OPAQUE	+90.0	-90.0
52" x 98"	GLAZED	+90.0	-90.0

SURFACE BOLTS REQUIRED AT TOP & BOTTOM OF DOOR

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

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TIGER DOOR
FIBERGLASS DOOR

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

[illegible]

DATE: 2/19/18

SCALE: *N.T.S.*

DWG. BY: JK

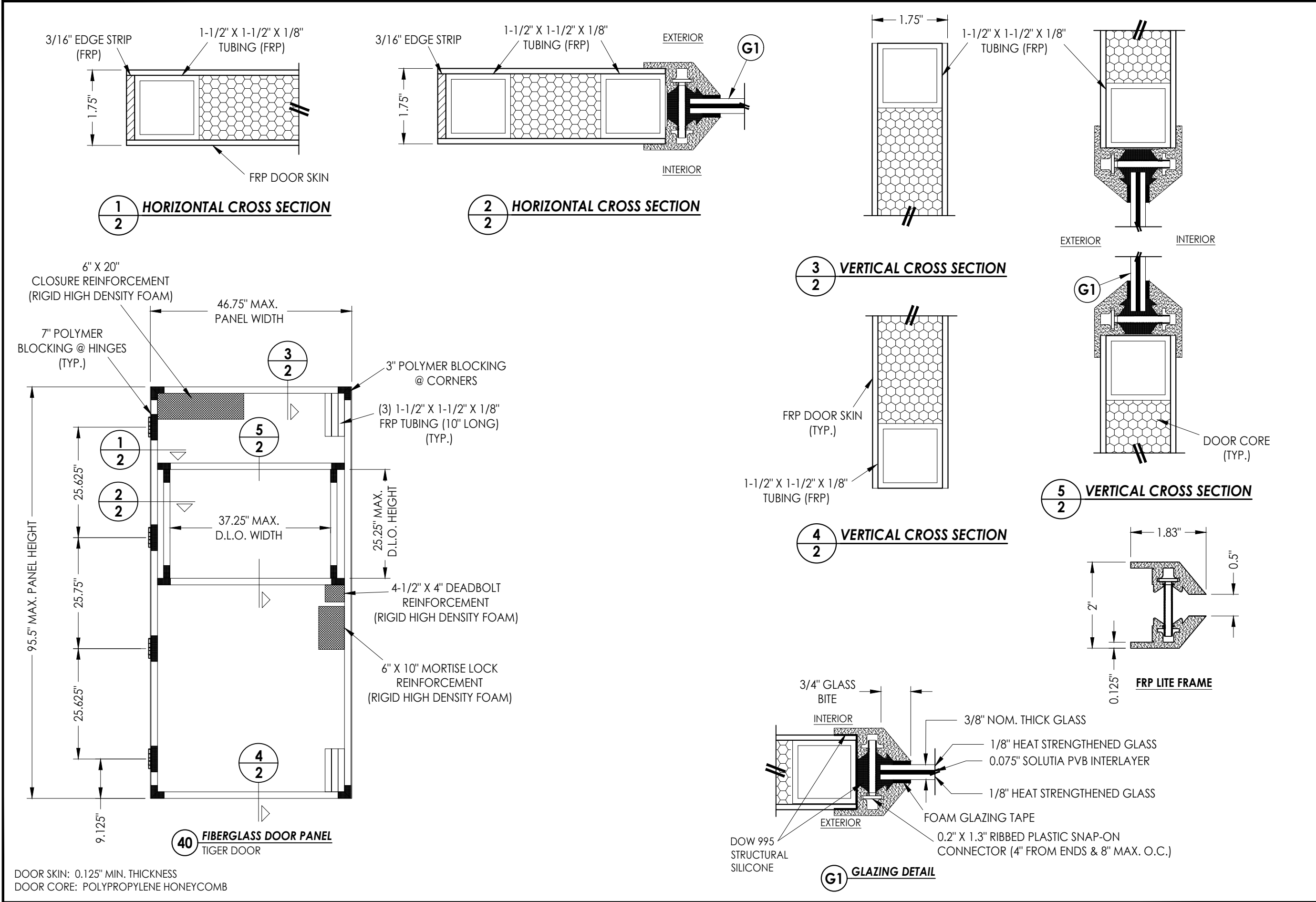
CHK. BY: LFS

DRAWING NO.:

FL-26591.4

SHEET 1 OF 6

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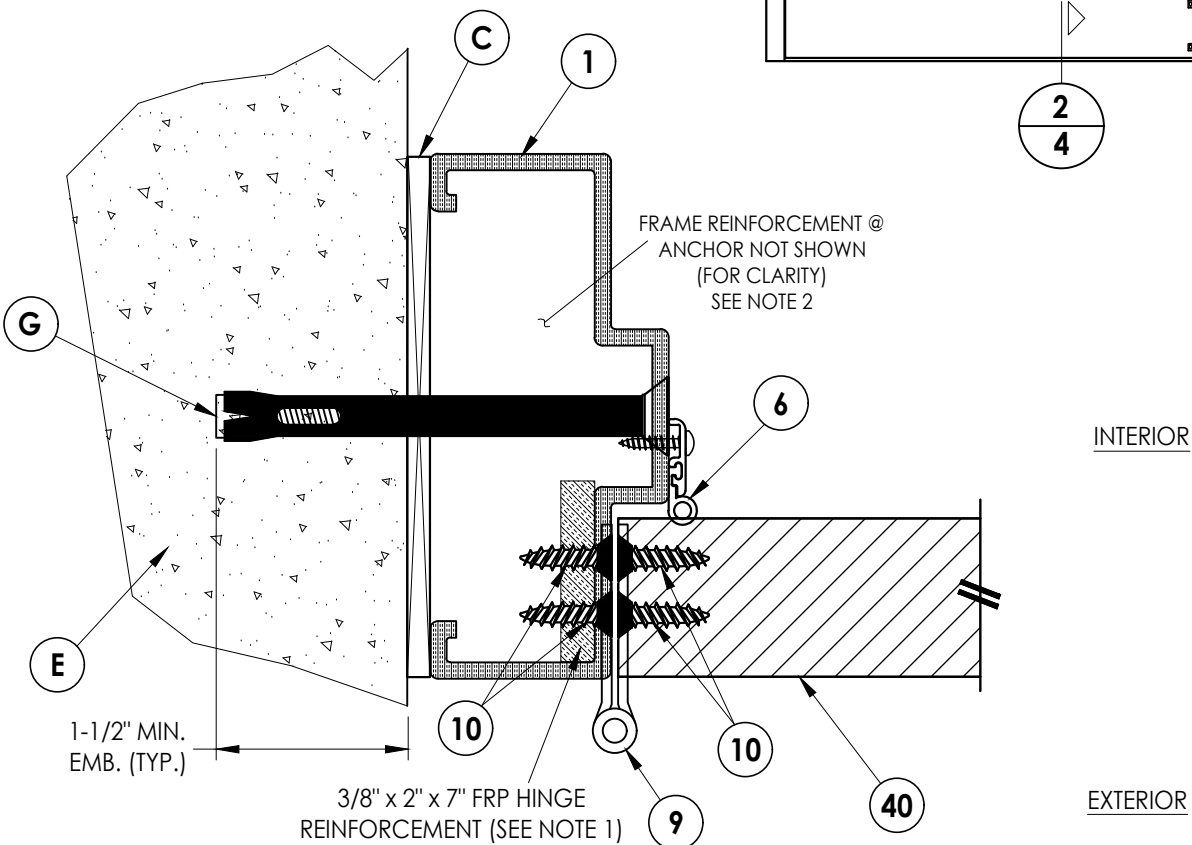
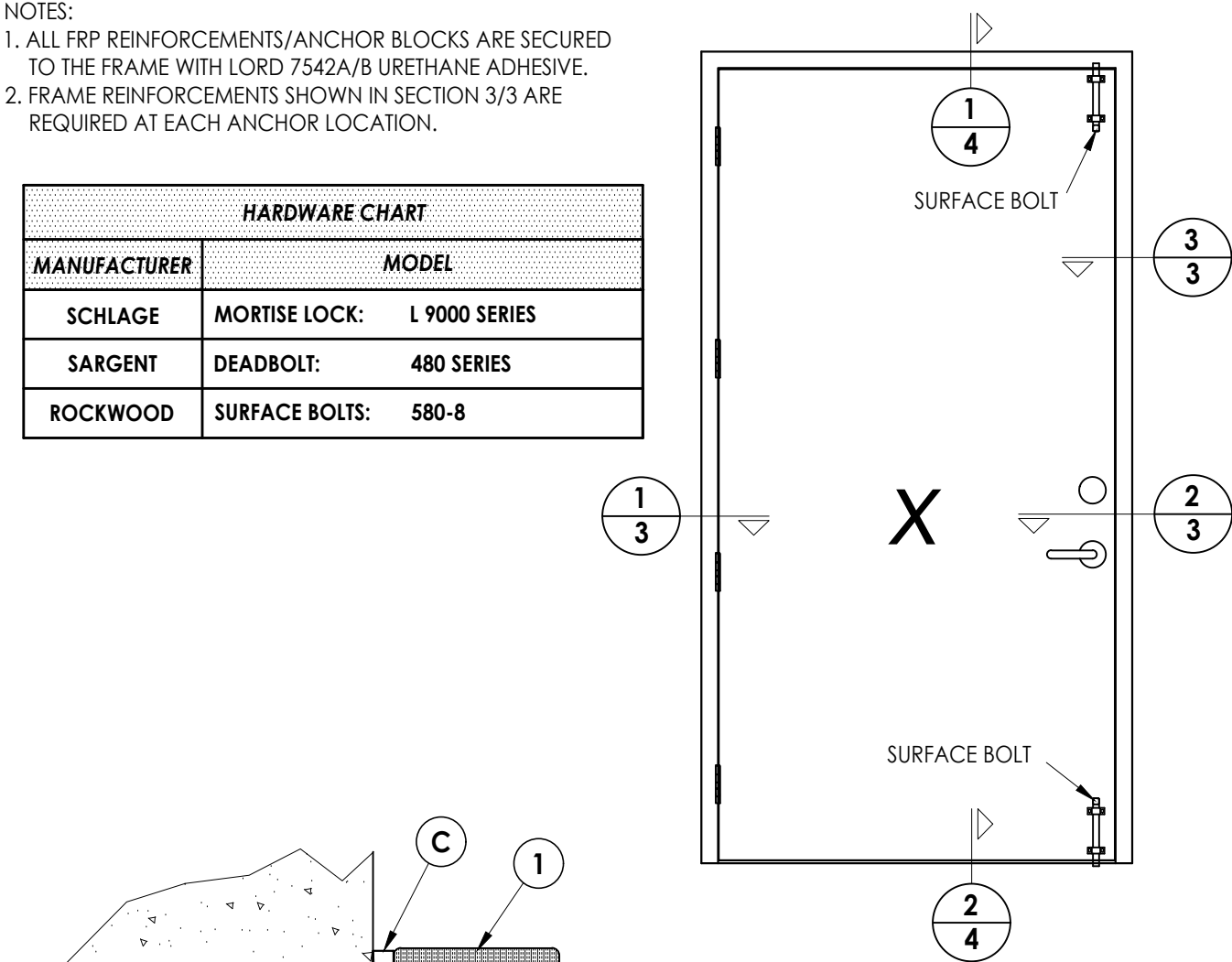


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: TIGER DOOR FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	BY
		1	8/01/23
		NO.	DATE
		REVISIONS	
DATE: 2/19/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-26591.4			
SHEET 2 OF 6			

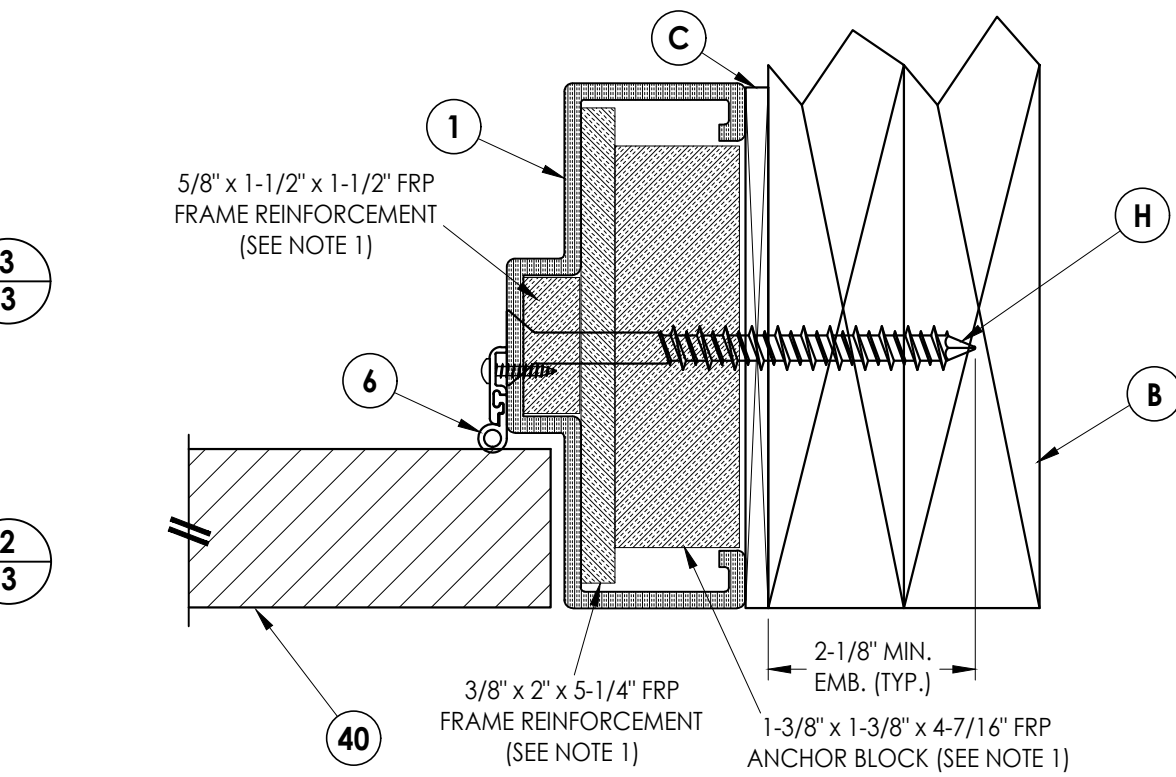
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- NOTES:
1. ALL FRP REINFORCEMENTS/ANCHOR BLOCKS ARE SECURED TO THE FRAME WITH LORD 7542A/B URETHANE ADHESIVE.
 2. FRAME REINFORCEMENTS SHOWN IN SECTION 3/3 ARE REQUIRED AT EACH ANCHOR LOCATION.

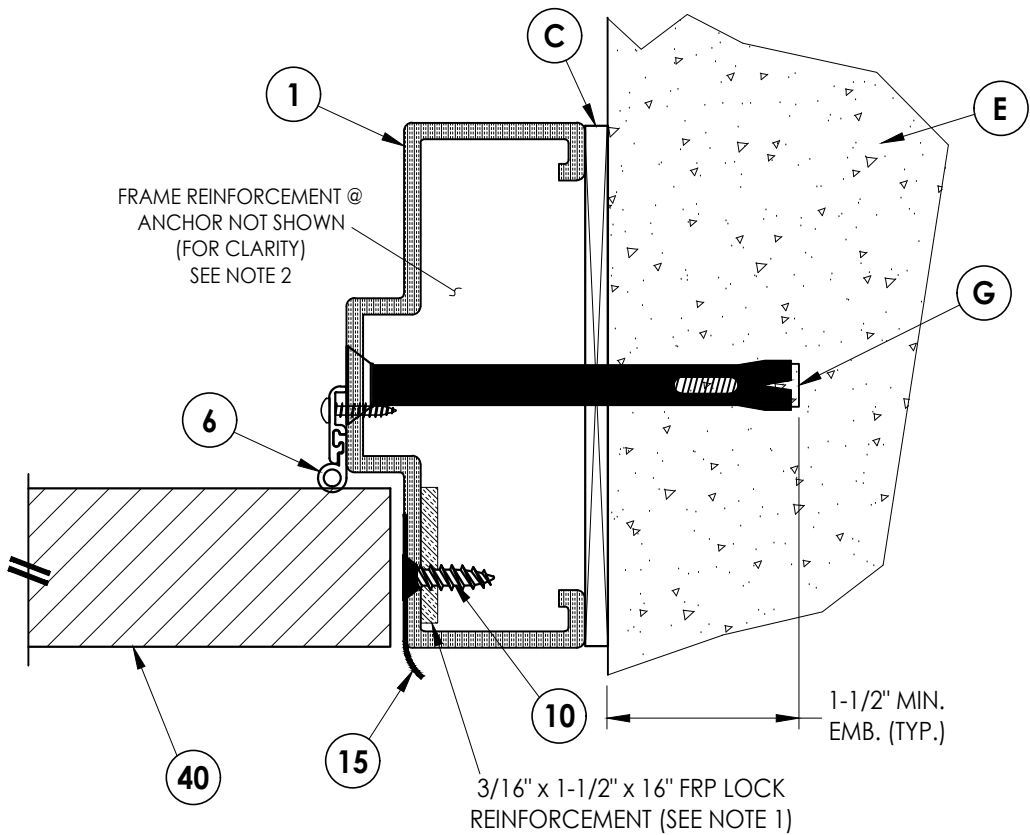
HARDWARE CHART		
MANUFACTURER	MODEL	
SCHLAGE	MORTISE LOCK:	L 9000 SERIES
SARGENT	DEADBOLT:	480 SERIES
ROCKWOOD	SURFACE BOLTS:	580-8



1
3 HORIZONTAL CROSS SECTION
Outswing configuration



3
3 HORIZONTAL CROSS SECTION
Outswing configuration



2
3 HORIZONTAL CROSS SECTION
Outswing configuration

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

TIGER DOOR
FIBERGLASS DOOR

TIGER DOOR
FIBERGLASS DOOR

DATE: 2/19/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-26591.4

SHEET 3 OF 6

REVISIONS

1 8/01/23 UPDATE TO 8TH ED. (2023) FBC

NO. DATE

BY

PRODUCT:

TIGER DOOR
FIBERGLASS DOOR

PART OR ASSEMBLY:

HORIZONTAL CROSS SECTIONS

BUILDING CONSULTANTS, INC.

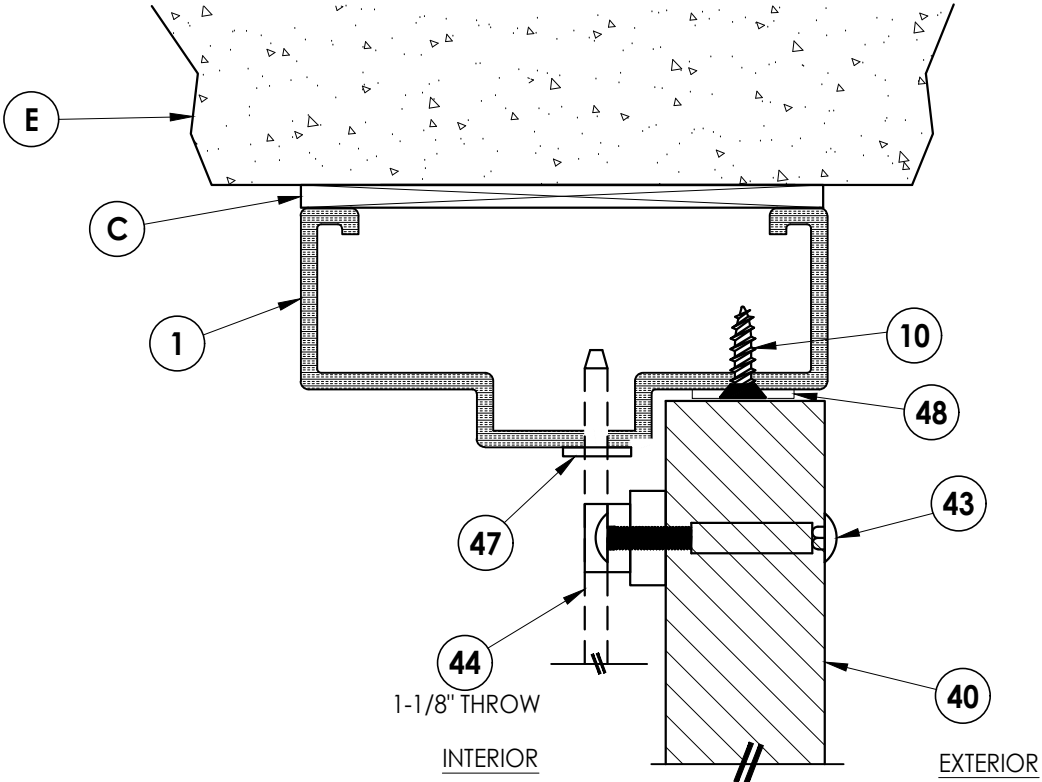
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

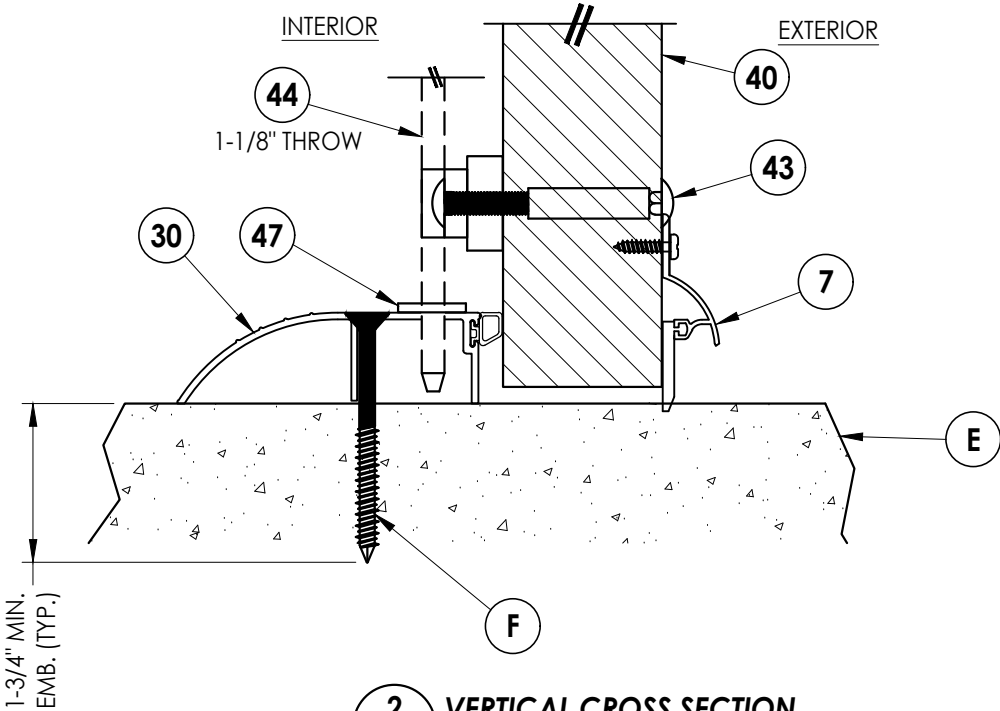
FBPE Registry No. 9813

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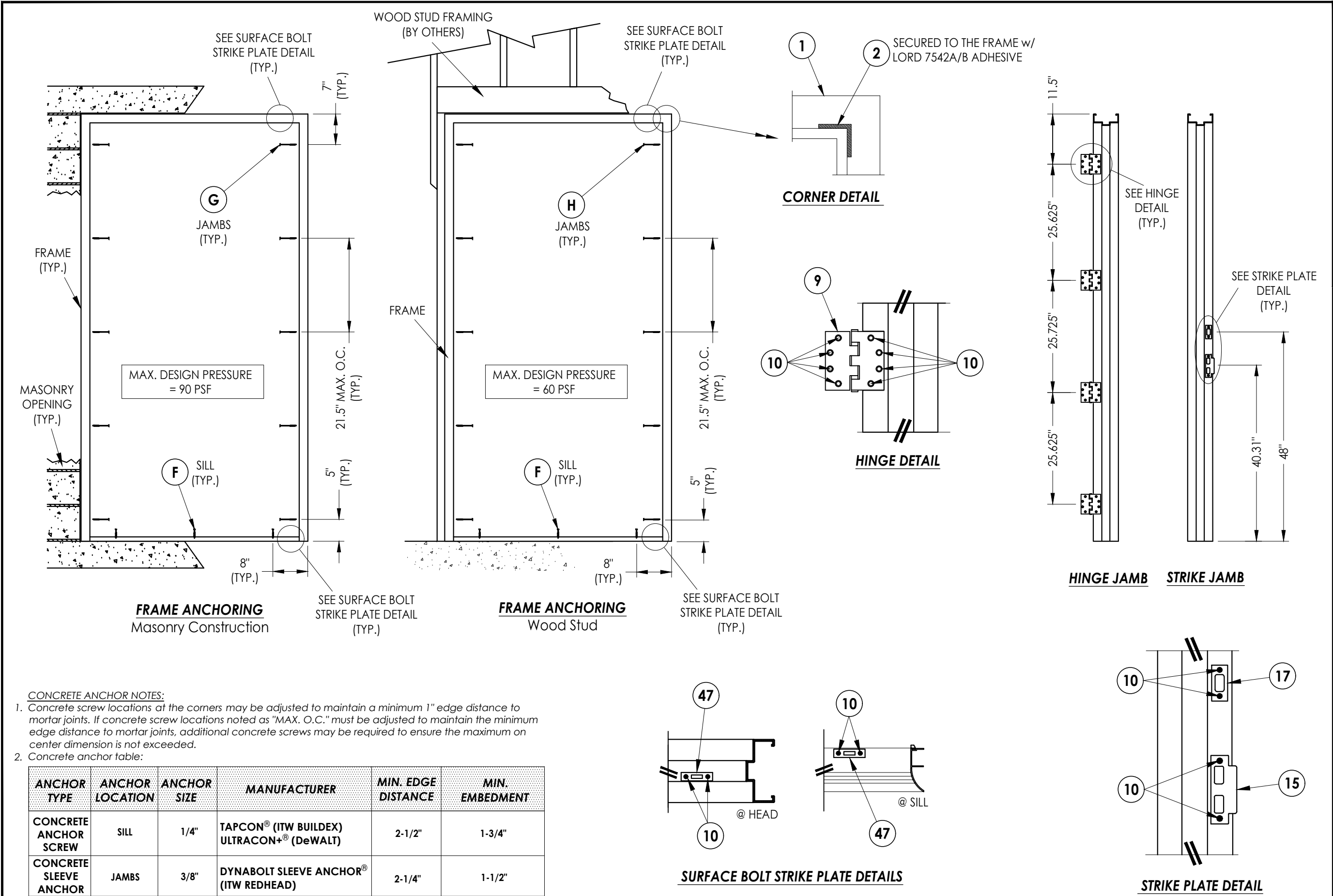
1 **VERTICAL CROSS SECTION**
4 Outswing configuration



2 **VERTICAL CROSS SECTION**
4 Outswing Sill

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		TIGER DOOR FIBERGLASS DOOR		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
				NO.	BY
				1	LFS
				8/01/23	FBC
				UPDATE TO 8TH ED. (2023)	
				DATE	
				REVISIONS	
DATE: 2/19/18		SCALE: N.T.S.		DRAWING NO.: FL-26591.4	
DWG. BY: JK		CHK. BY: LFS		SHEET 4 OF 6	

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CONCRETE ANCHOR NOTES:

- Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT)	2-1/2"	1-3/4"
CONCRETE SLEEVE ANCHOR	JAMBS	3/8"	DYNABOLT SLEEVE ANCHOR® (ITW REDHEAD)	2-1/4"	1-1/2"

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

PRODUCT:

TIGER DOOR
FIBERGLASS DOOR

PART OR ASSEMBLY:

FRAME ANCHORING
& HARDWARE DETAILS

DATE:

10/29/15

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-26591.4

SHEET

5

OF

6

REVISIONS

NO.	DATE	DESCRIPTION
1	8/01/23	UPDATE TO 8TH ED. (2023) FBC

Building Consultants, Inc.

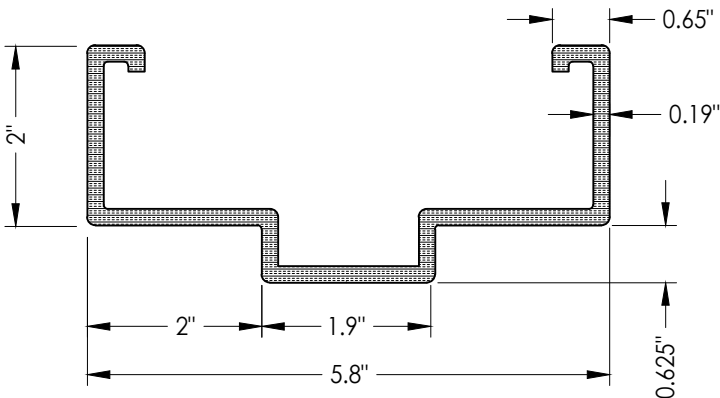
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

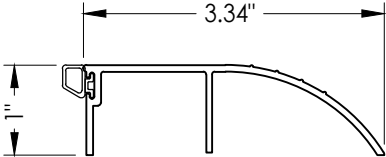
FBPE Registry No. 9813

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
F	1/4" x 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	DYNABOLT SLEEVE ANCHOR	STEEL
H	3/8" x 5" LAG SCREW	STEEL
1	DOOR FRAME (FRP)	FIBERGLASS
2	FRAME CORNER REINFORCEMENT (FRP)	FIBERGLASS
6	WEATHERSTRIP	NEOPRENE
7	DOOR SWEEP	VINYL
9	4-1/2" X 4-1/2" BUTT HINGE	SS
10	#12 X 1" PFH SMS	SS
15	MORTISE LATCH & DEADBOLT STRIKE PLATE	SS
16	LATCH STRIKE PLATE	SS
17	DEADBOLT STRIKE PLATE	STEEL
30	OUTSWING THRESHOLD	ALUM
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
43	8-32 X 1" MACHINE SCREW w/ 1-3/4" SEX BOLT	STEEL
44	SURFACE BOLT - ROCKWOOD 580-8	SS
47	SURFACE BOLT STRIKE PLATE	SS

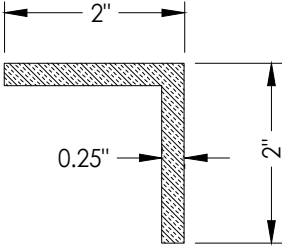
FIBER REINFORCED PLASTIC (FRP)



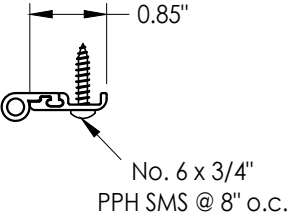
1 DOOR FRAME (FRP)



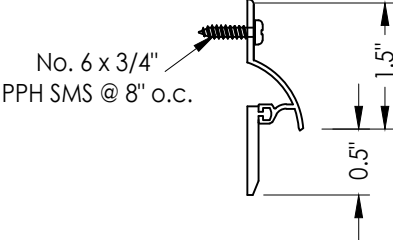
30 **OUTSWING THRESHOLD**
Pemko 2051-T



2 **FRAME CORNER REINFORCEMENT**
5" LONG



6 WEATHERSTRIP
NGP 137N



7 DOOR SWEEP
NGP 101 VA

[illegible]