



A SENNECA COMPANY

# HURRICANE SERIES FIBERGLASS DOUBLE DOOR OUTSWING "IMPACT"

**DR-979**

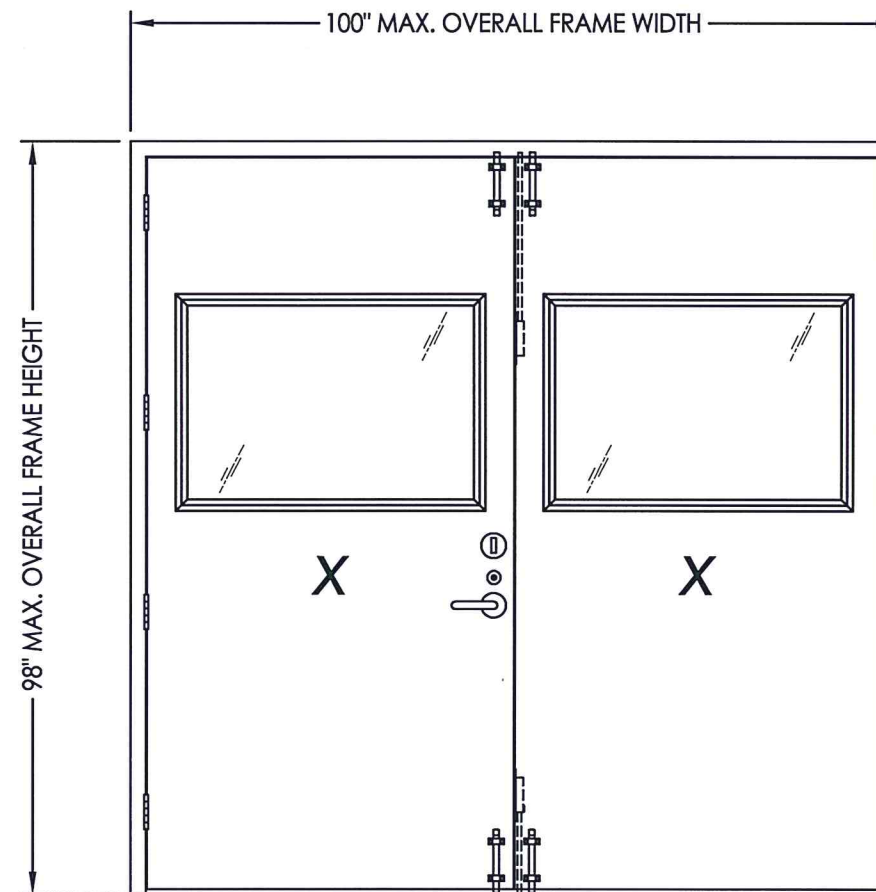
EVALUATED FOR USE IN THE STATE OF TEXAS

The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. This system has been tested and evaluated as a large missile impact protective system for installation in areas that require wind borne debris protection. This product meets missile level "D" as defined in ASTM E 1996.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

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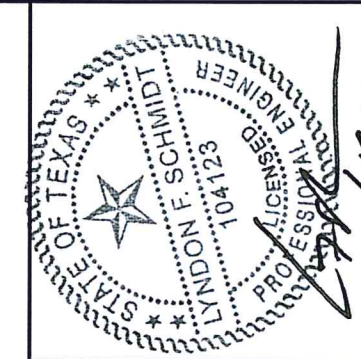
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Frame anchoring & hardware details
6	Bill of materials & components



GLAZED PANELS SHOWN  
(OPAQUE SIMILAR)

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

SURFACE BOLTS REQUIRED @ TOP & BOTTOM OF EACH DOOR



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

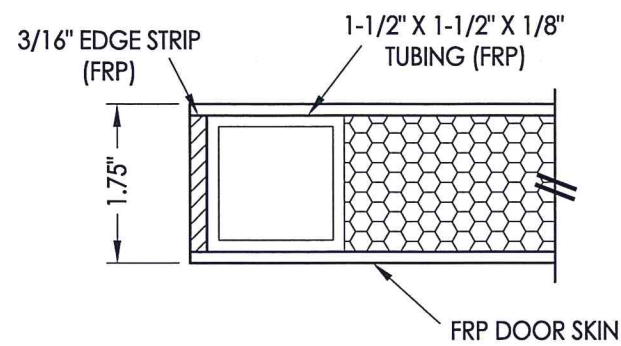
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197

CERTIFICATE OF REGISTRATION # F-11852

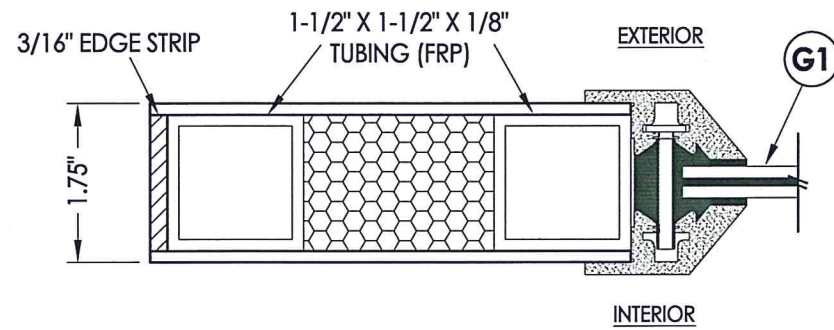
PRODUCT:	FIBERGLASS DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE:	5/14/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4838
SHEET	1 OF 6



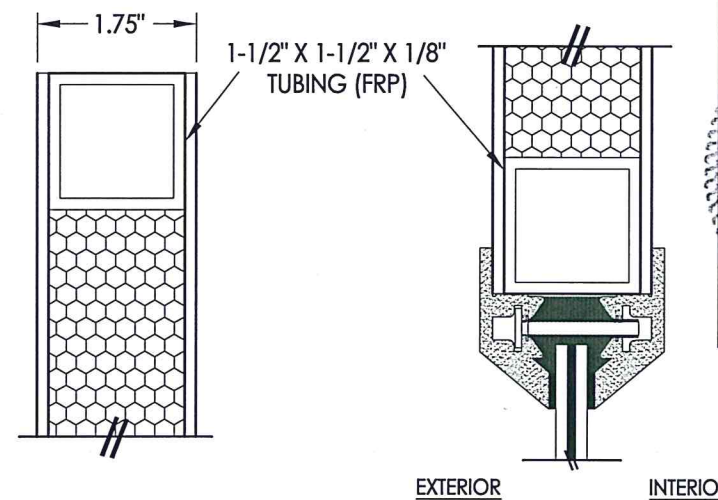
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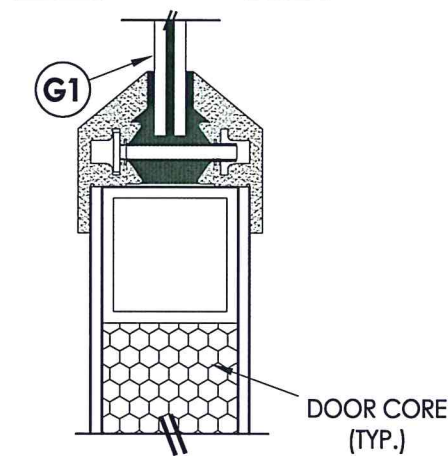
1 HORIZONTAL CROSS SECTION  
2



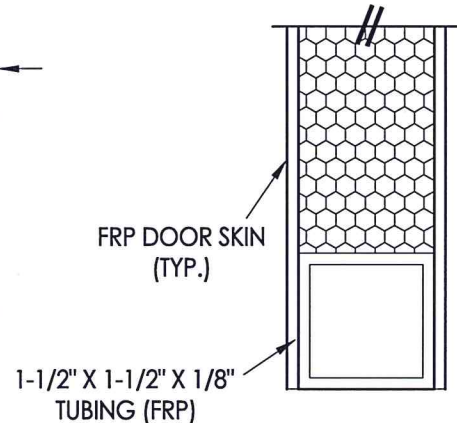
2 HORIZONTAL CROSS SECTION  
2



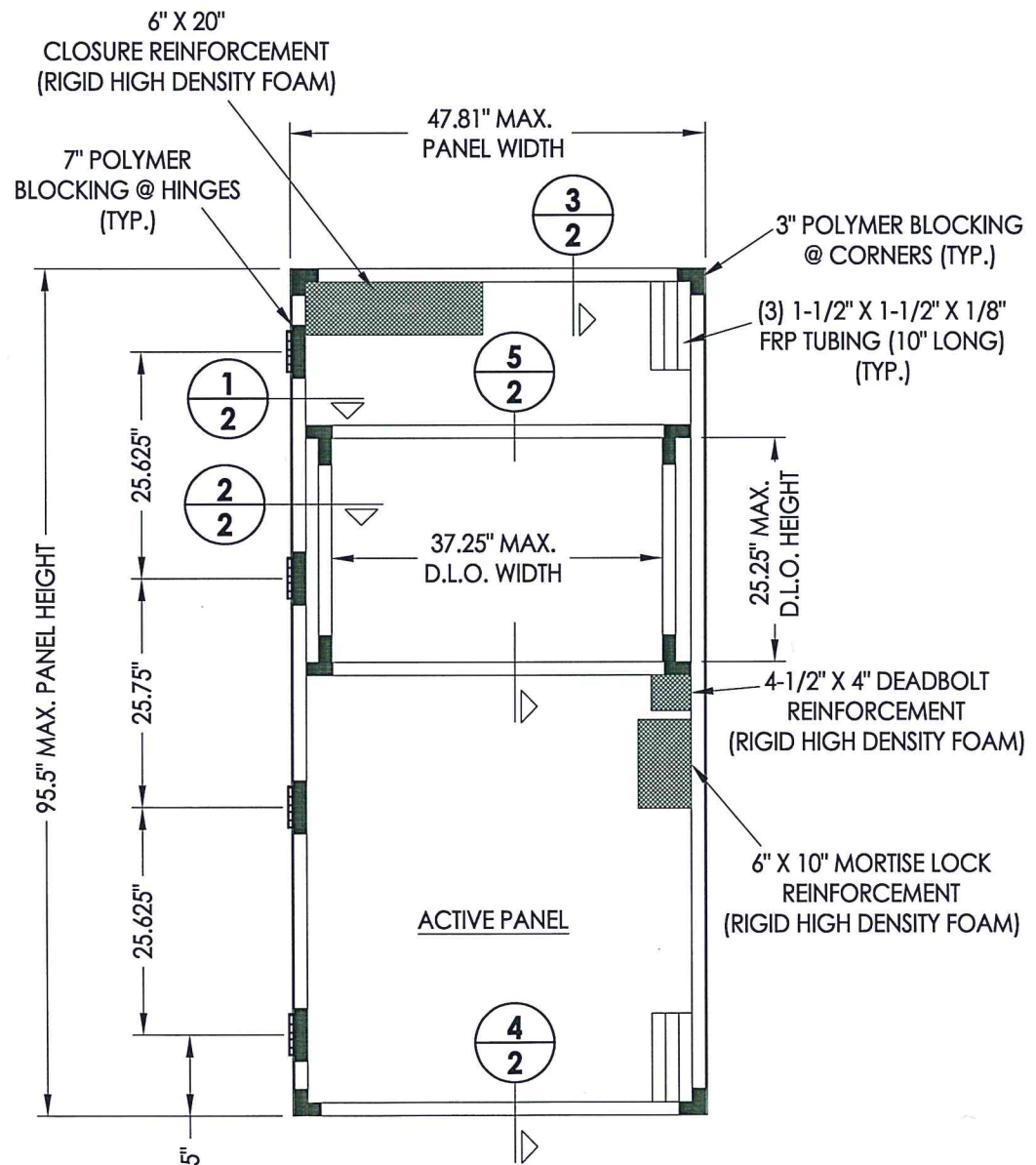
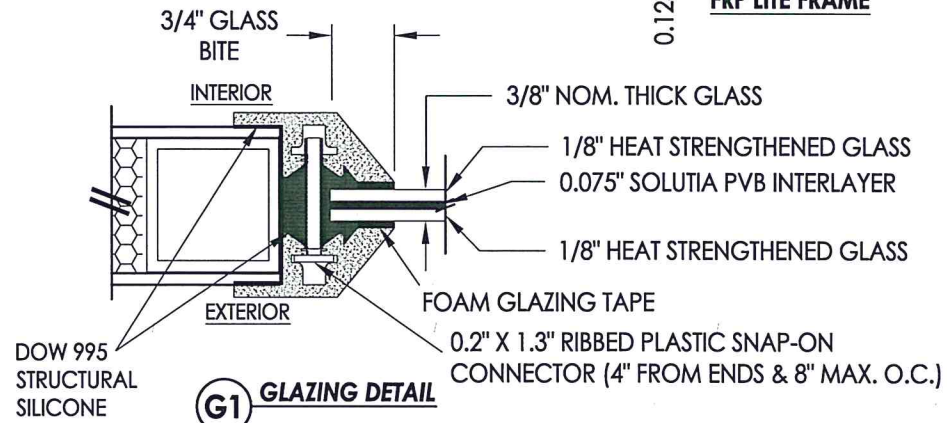
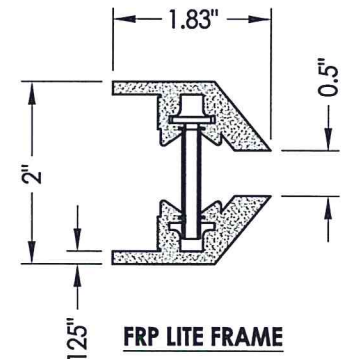
3 VERTICAL CROSS SECTION  
2



5 VERTICAL CROSS SECTION  
2

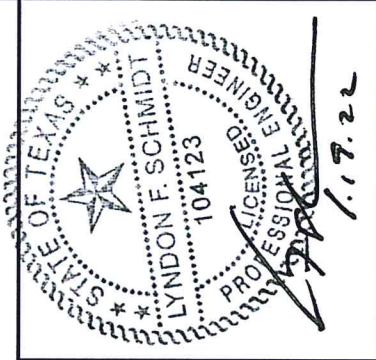


4 VERTICAL CROSS SECTION  
2



40 FIBERGLASS DOOR PANELS  
CHEM-PRUF DOOR

DOOR SKIN: 0.125" MIN. THICKNESS  
DOOR CORE: POLYPROPYLENE HONEYCOMB



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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	FIBERGLASS DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS

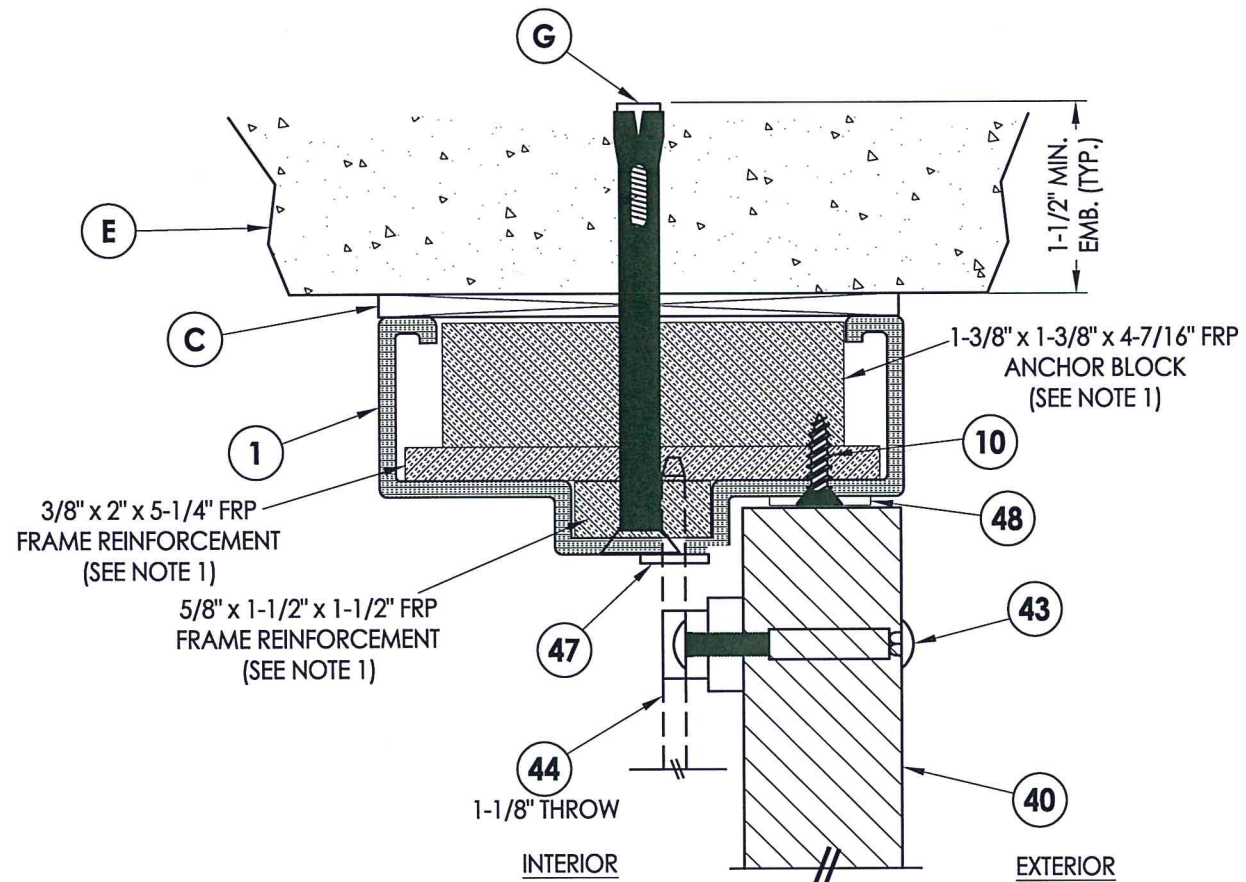
NO.	DATE	REVISIONS
1	1/19/22	UPDATE TO 2018 IBC/IRC
		LFS
		BY

DATE:	5/14/18
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4838
SHEET	2 OF 6

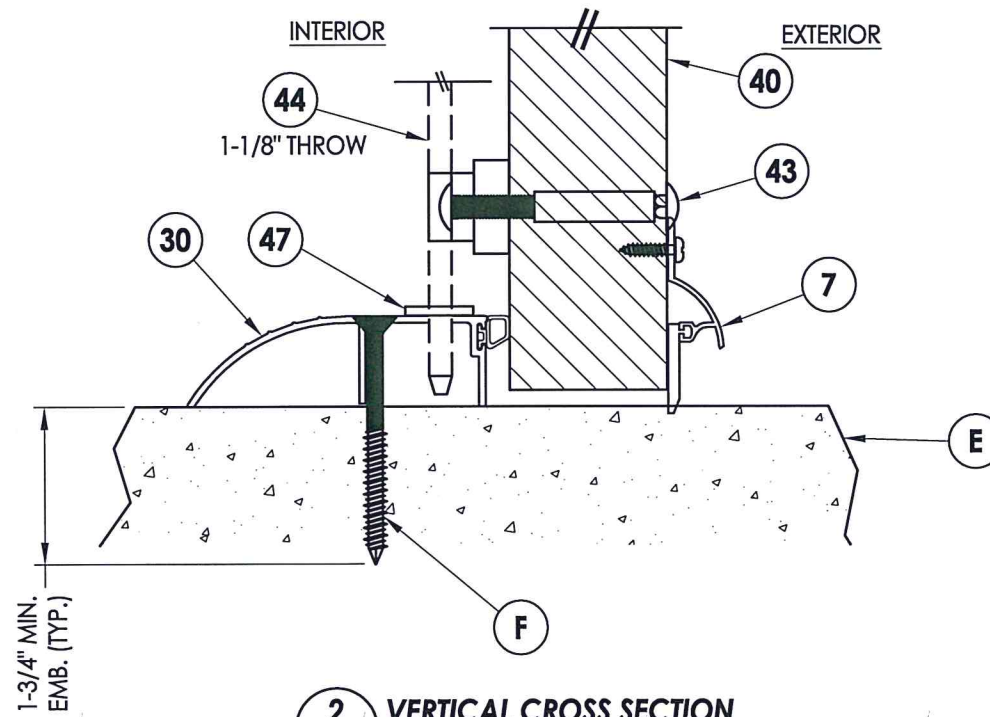






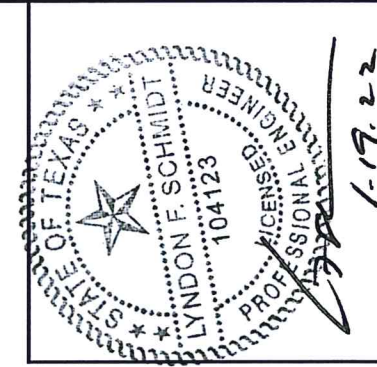


**1** VERTICAL CROSS SECTION  
**4** Outswing configuration



**2** VERTICAL CROSS SECTION  
**4** Outswing Sill

NOTES:  
 1. ALL FRP REINFORCEMENTS/ANCHOR BLOCKS ARE SECURED TO THE FRAME WITH LORD 7542A/B URETHANE ADHESIVE.



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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
1	1/19/22	LFS	UPDATE TO 2018 IBC/IRC
DATE: 5/14/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4838			
SHEET 4 OF 6			



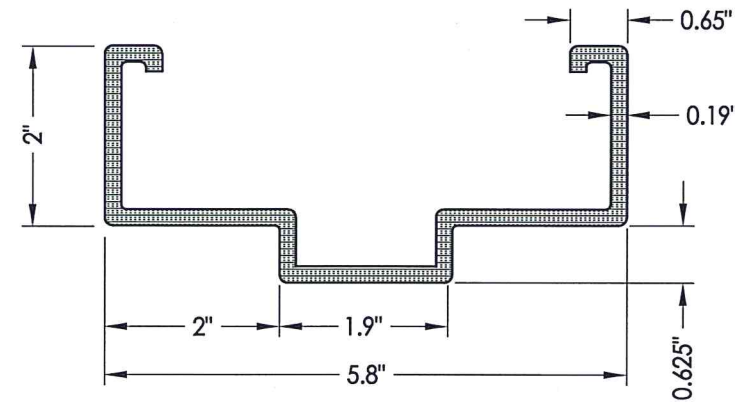




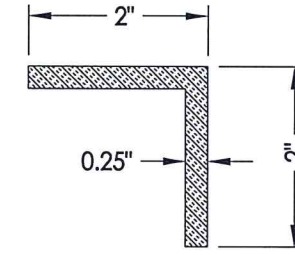
**BILL OF MATERIALS**

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	3/8"Ø DYNABOLT SLEEVE ANCHOR	STEEL
H	3/8"Ø x 5" LAG SCREW	STEEL
1	DOOR FRAME (FRP)	FIBERGLASS
2	FRAME CORNER REINFORCEMENT (FRP)	FIBERGLASS
3	REMOVABLE MULLION (FRP)	FIBERGLASS
5	ASTRAGAL	FIBERGLASS
6	WEATHERSTRIP	NEOPRENE
7	DOOR SWEEP	VINYL
8	WEATHERSTRIP (NGP 5050 GASKET)	NEOPRENE
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
48	FLUSH BOLT STRIKE PLATE	SS

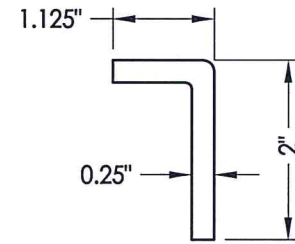
FIBER REINFORCED PLASTIC (FRP)



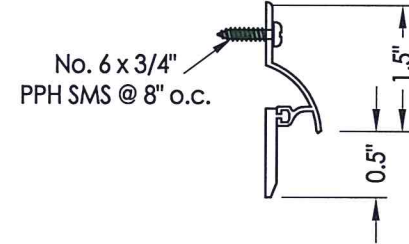
1 DOOR FRAME (FRP)



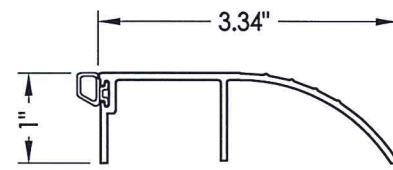
2 FRAME CORNER REINFORCEMENT  
5" LONG



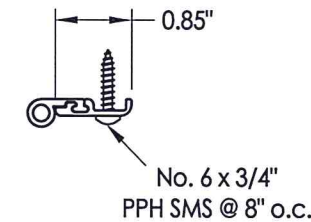
3 ASTRAGAL (FRP)



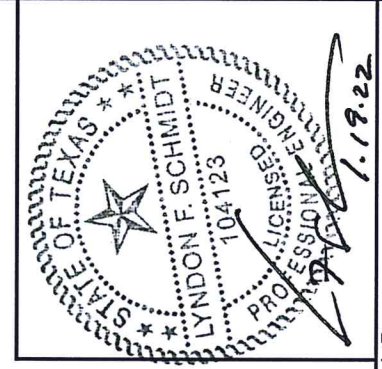
7 DOOR SWEEP  
NGP 101 VA



30 OUTSWING THRESHOLD  
Pemko 2051-T



6 WEATHERSTRIP  
NGP 137N



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UPDATE TO 2018 IBC/IRC		
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