



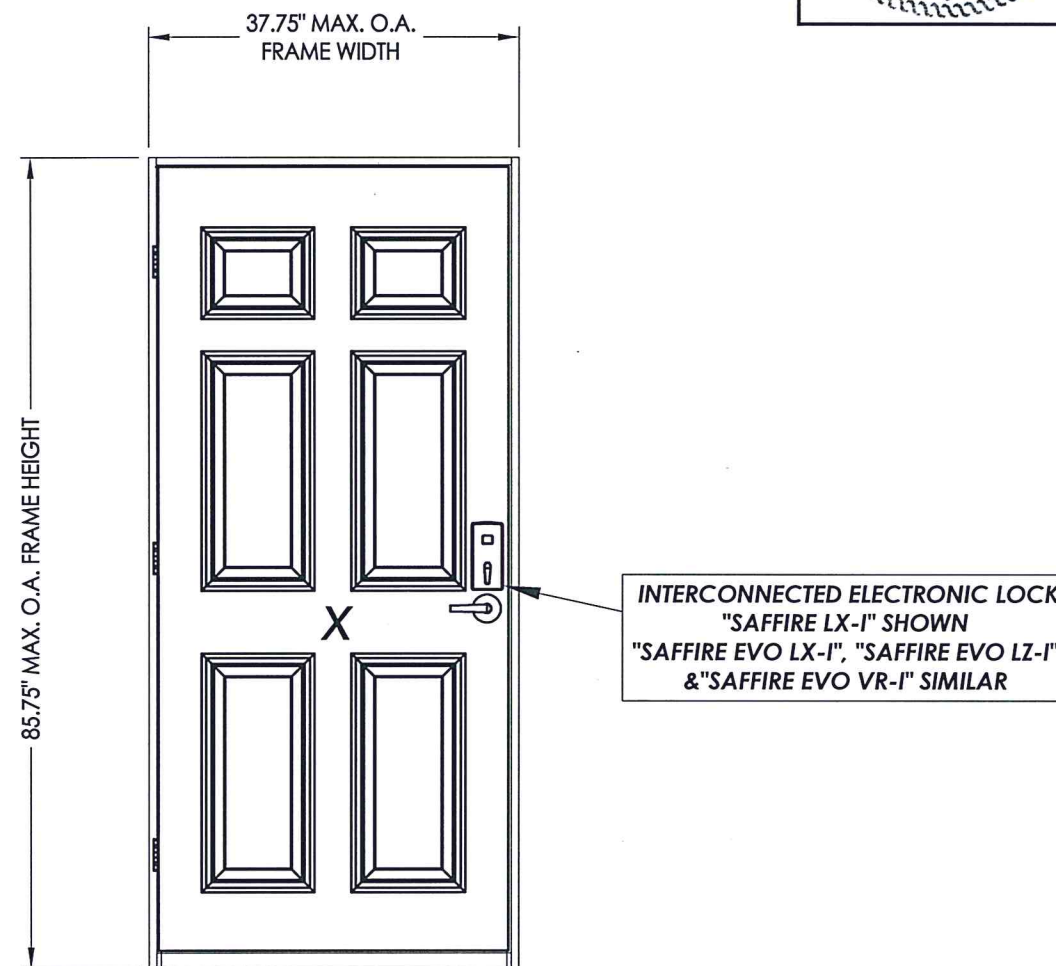
**"SAFFIRE LX-1"**  
**"SAFFIRE EVO LX-1" SERIES**  
**"SAFFIRE EVO LZ-1" SERIES**  
**"SAFFIRE EVO VR-1" SERIES**  
**INTERCONNECTED ELECTRONIC LOCK**  
 in a  
**FIBERGLASS DOOR**  
**IN SWING / OUT SWING**  
**"IMPACT"**

**EVALUATED FOR USE IN THE STATE OF TEXAS**

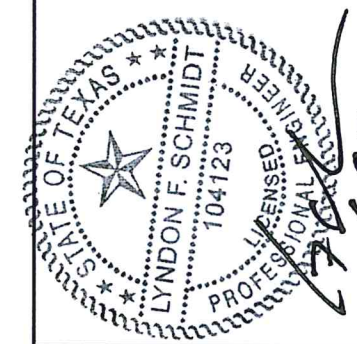
The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

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.

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



MAX FRAME DIMENSION	DOOR PANEL MANUFACTURER	SWING	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
37.75" x 85.75"	Plastpro	IN SWING	+55.0	-65.0
37.75" x 84.63"	Plastpro	OUT SWING	+55.0	-65.0



Documents Prepared By: Lyndon F. Schmidt, P.E.  
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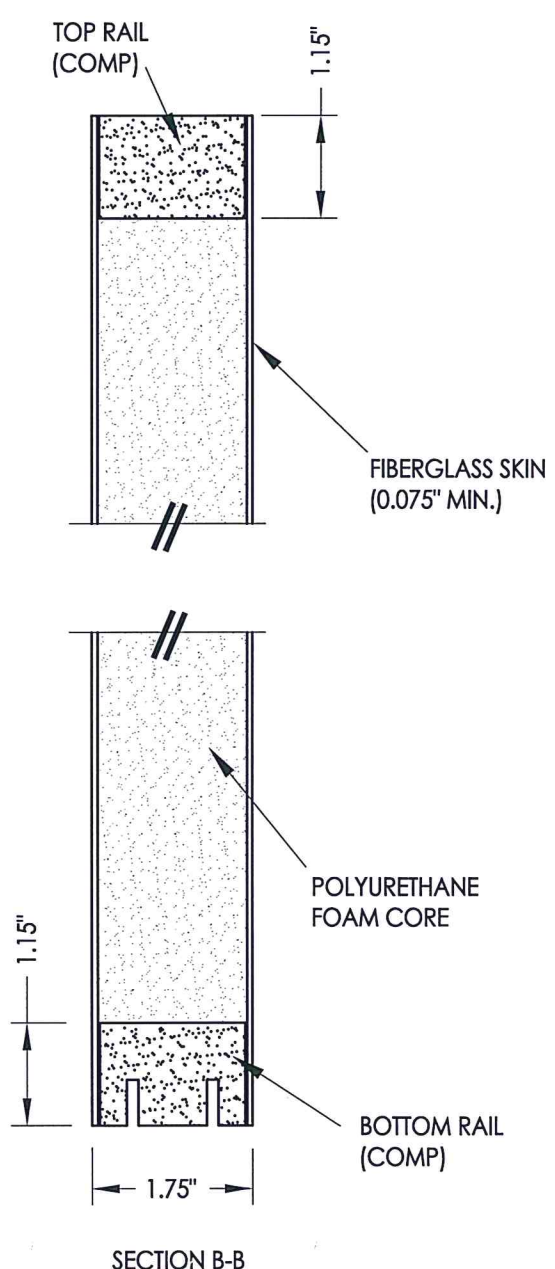
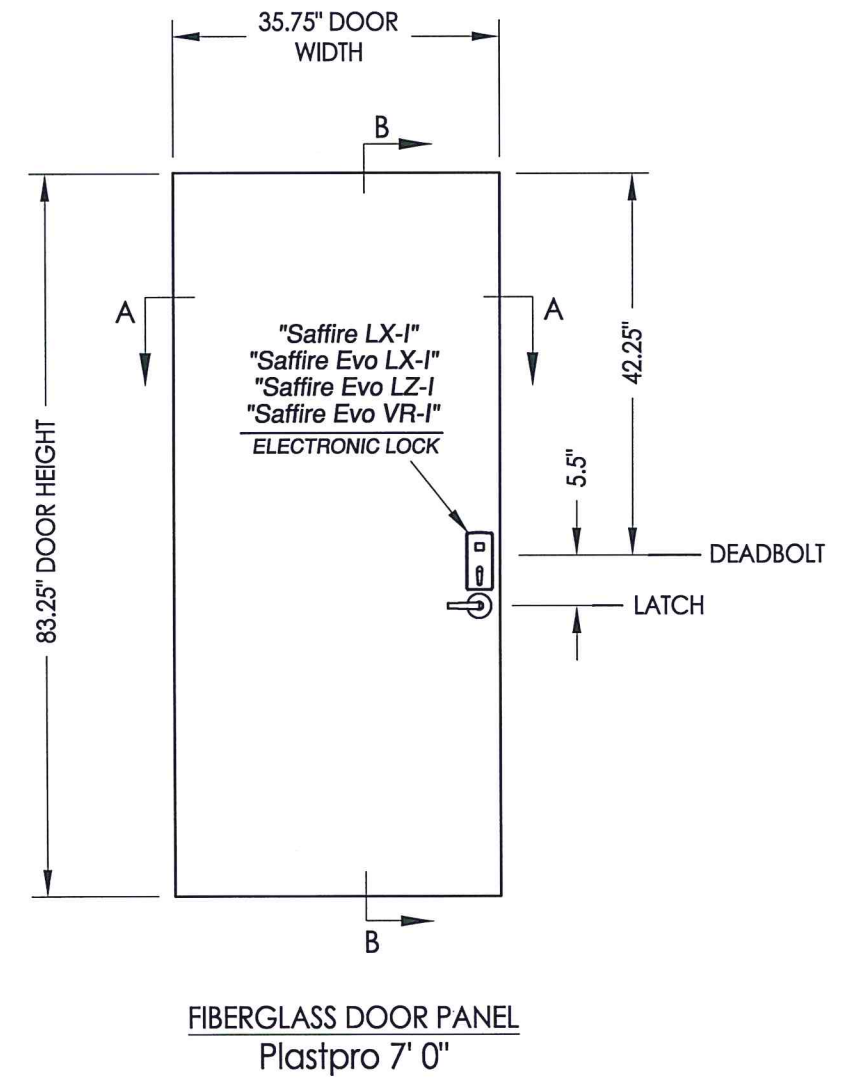
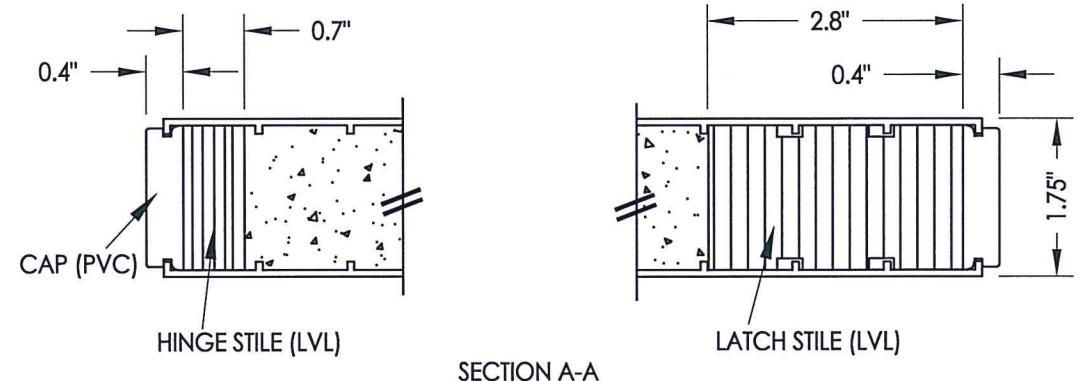
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P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: dormakaba ELECTRONIC LOCK FIBERGLASS DOOR  
PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS
2	6/09/22	LFS	ADD "SAFFIRE EVO LZ-1" & "SAFFIRE EVO VR-1" SERIES"
1	1/13/22	LFS	ADD "SAFFIRE EVO LX-1" SERIES

DATE: 5/06/21  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: TX-5201  
SHEET 1 OF 6



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Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: dormakaba ELECTRONIC LOCK FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANELS DETAILS

NO.	DATE	REVISIONS
2	6/09/22	ADD "SAFFIRE EVO LZ-I & "SAFFIRE EVO VR-I SERIES"
1	1/13/22	ADD "SAFFIRE EVO LX-I" SERIES

DATE: 5/06/21

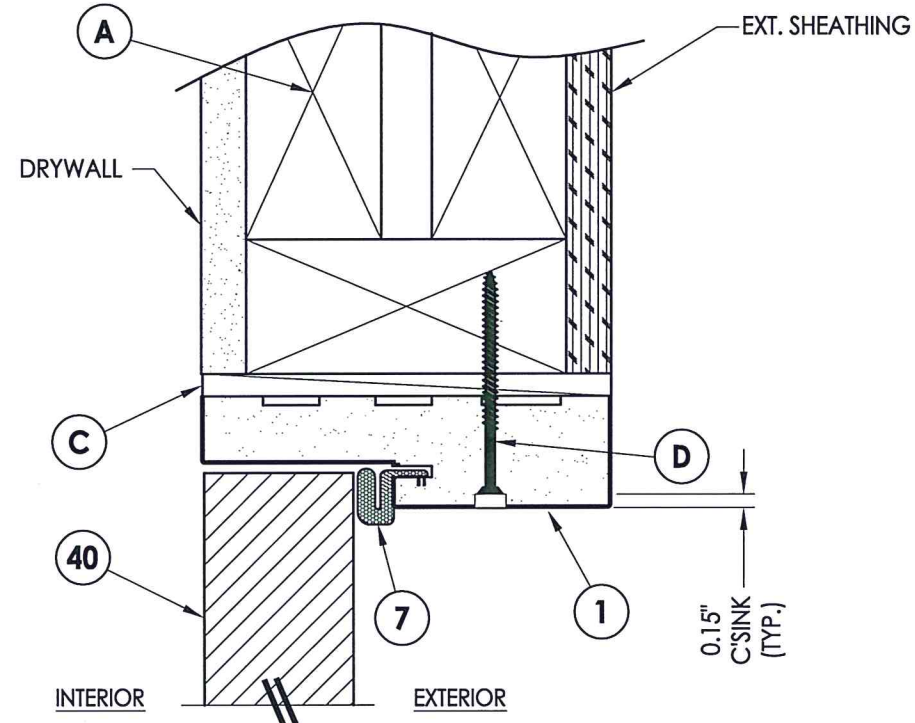
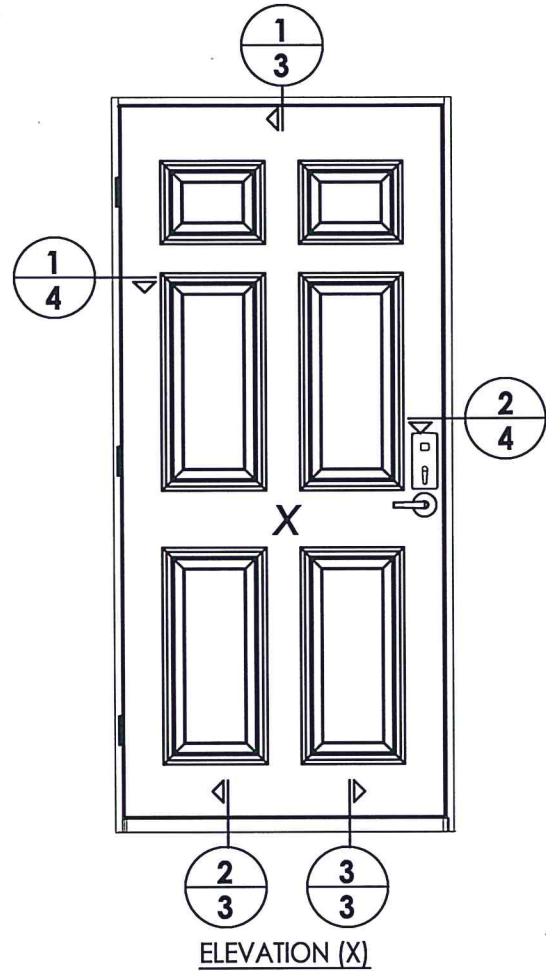
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DWG. BY: LFS

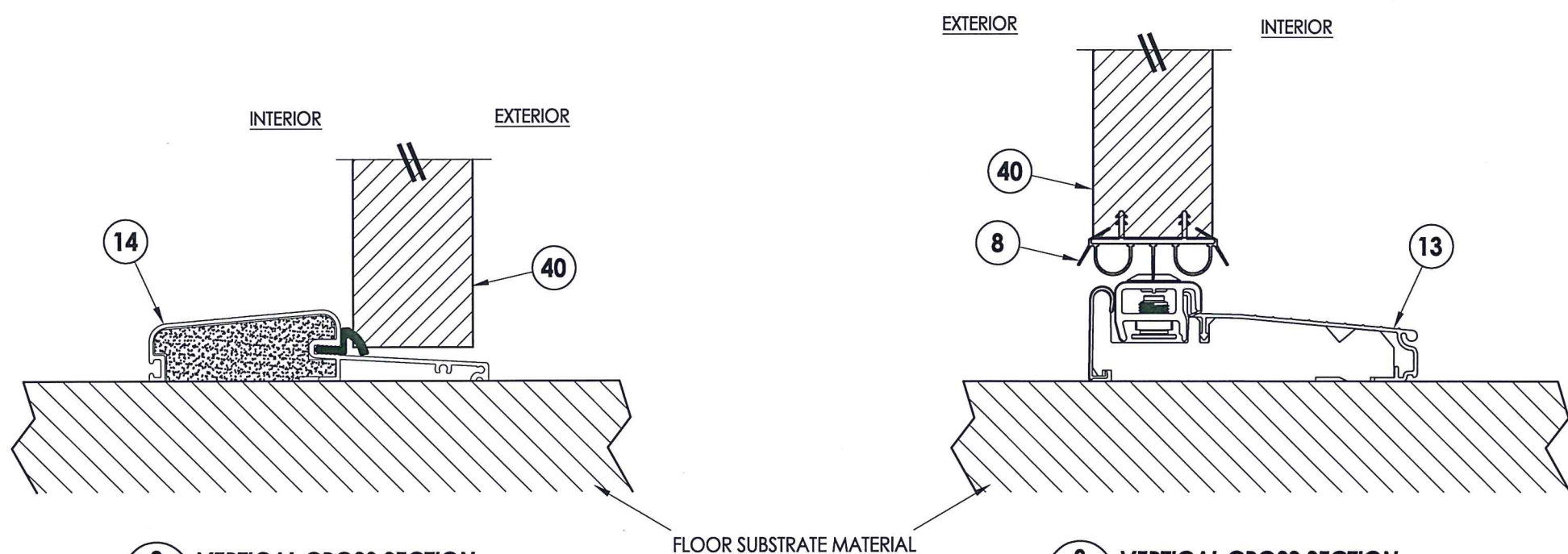
CHK. BY: RW

DRAWING NO.: TX-5201

SHEET 2 OF 6

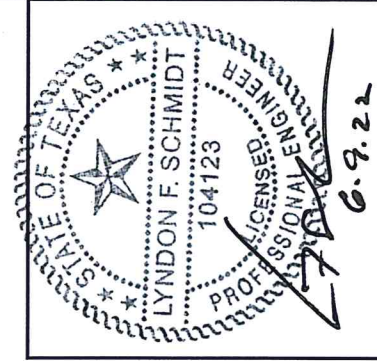


**1** VERTICAL CROSS SECTION  
**3** Inswing shown (Outswing similar)



**2** VERTICAL CROSS SECTION  
**3** Outswing configuration

**3** VERTICAL CROSS SECTION  
**3** Inswing configuration



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 Phone No.: 813.659.9197

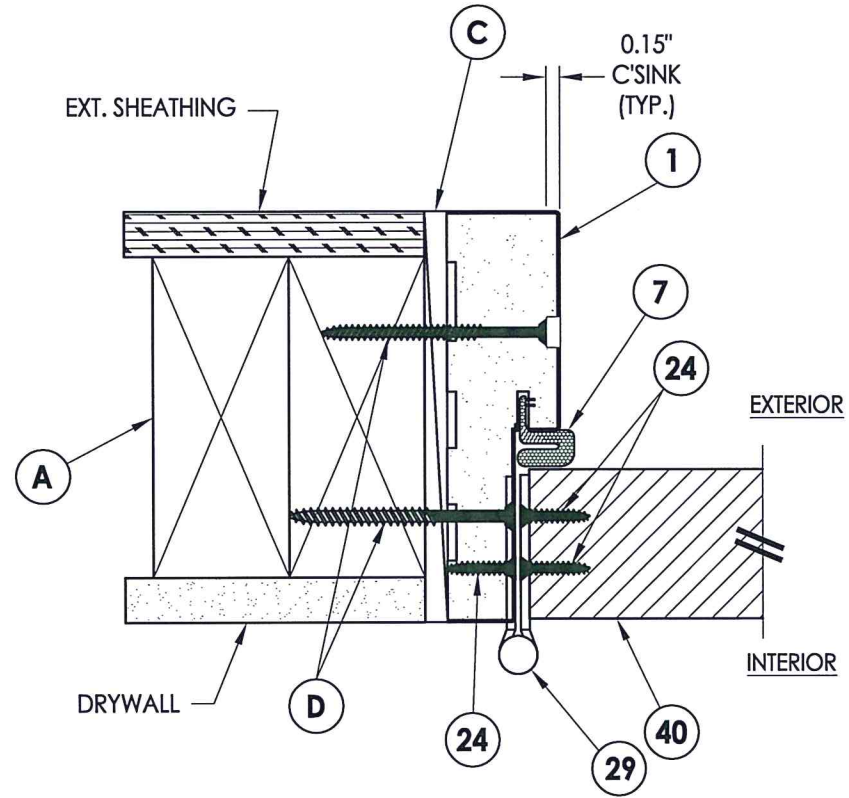
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 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: dormakaba ELECTRONIC LOCK  
 FIBERGLASS DOOR

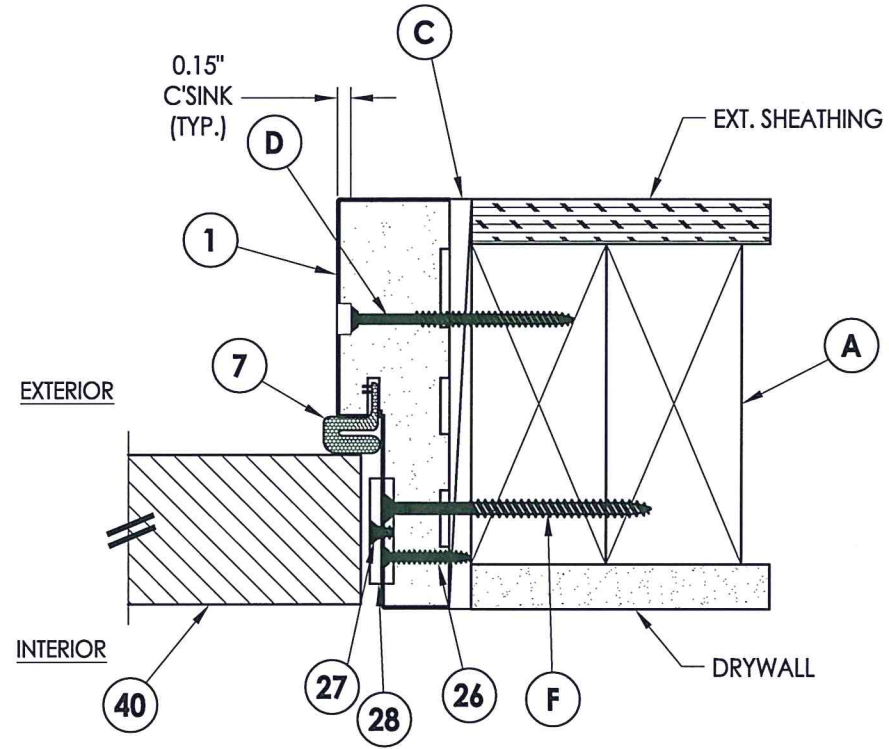
PART OR ASSEMBLY:  
 VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
2	6/09/22	LFS	ADD "SAFFIRE EVO LZ-I & VR-I SERIES"
1	1/13/22	LFS	ADD "SAFFIRE EVO LX-I" SERIES

DATE: 5/06/21  
 SCALE: N.T.S.  
 DWG. BY: LFS  
 CHK. BY: RW  
 DRAWING NO.: TX-5201  
 SHEET 3 OF 6



**1** HORIZONTAL CROSS SECTION  
**4** Inswing shown (Outswing similar)



**2** HORIZONTAL CROSS SECTION  
**4** Inswing shown (Outswing similar)



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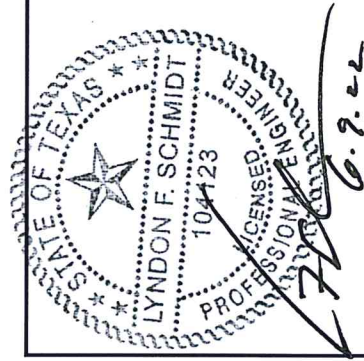
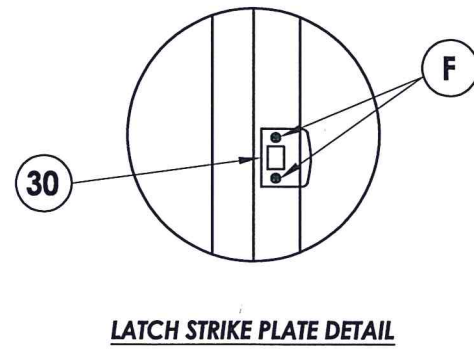
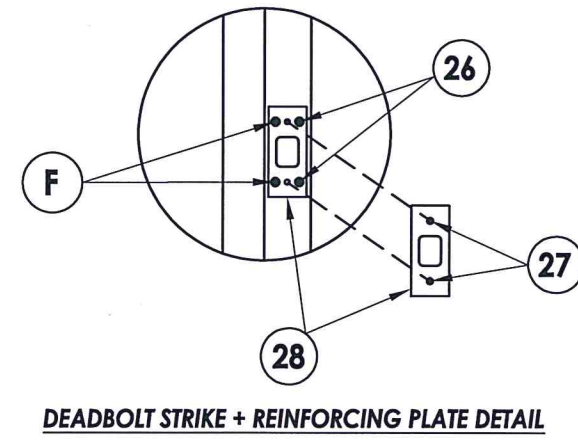
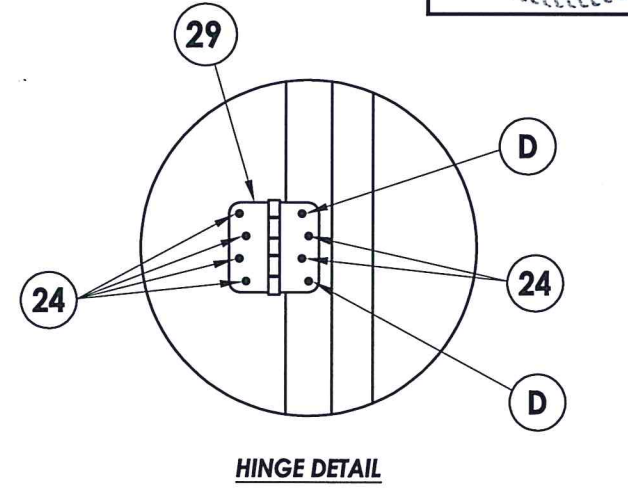
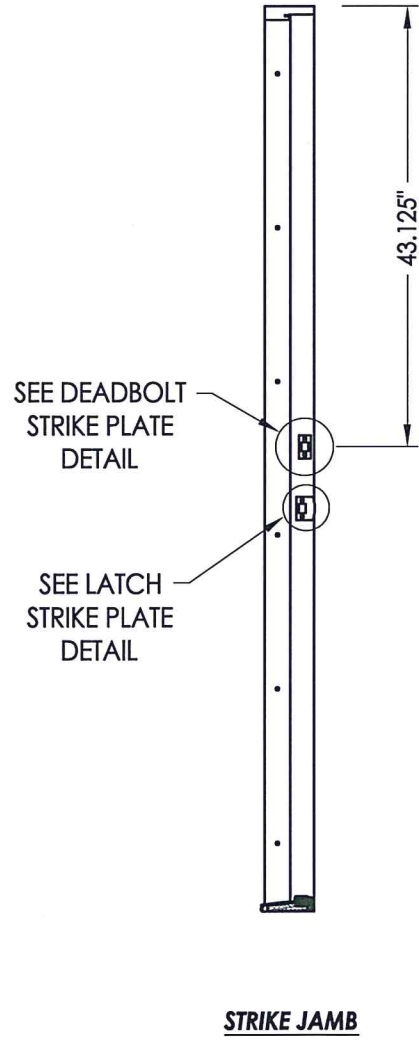
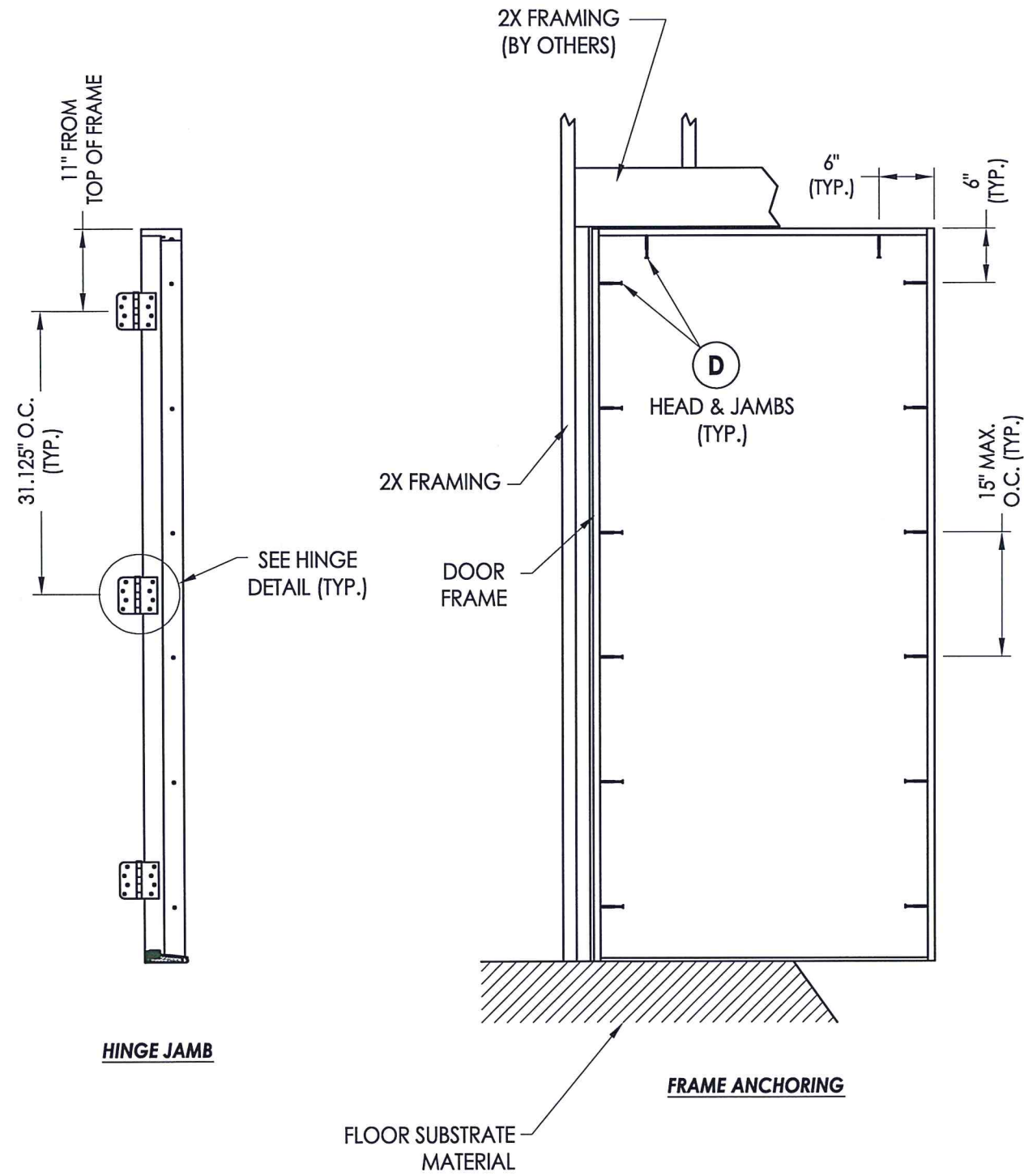
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PRODUCT: dormakaba ELECTRONIC LOCK FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
2	6/09/22	ADD "SAFFIRE EVO LZ-1 & VR-1 SERIES"
1	1/13/22	ADD "SAFFIRE EVO LX-1" SERIES

DATE: 5/06/21  
 SCALE: N.T.S.  
 DWG. BY: LFS  
 CHK. BY: RW  
 DRAWING NO.: TX-5201  
 SHEET 4 OF 6



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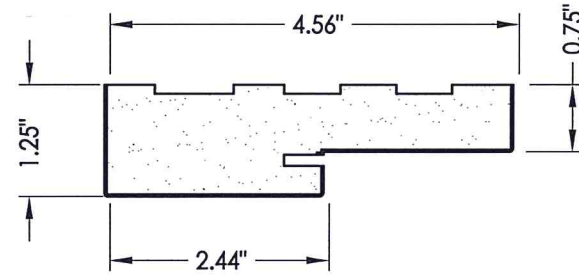
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PRODUCT: dormakaba ELECTRONIC LOCK  
FIBERGLASS DOOR  
PART OR ASSEMBLY:  
FRAME ANCHORING  
DETAILS

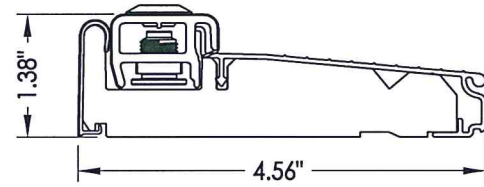
NO.	DATE	REVISIONS
2	6/09/22	ADD "SAFFIRE EVO LZ-I & "SAFFIRE EVO VR-I SERIES"
1	1/13/22	ADD "SAFFIRE EVO LX-I" SERIES
		BY

DATE: 5/06/21  
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DRAWING NO.: TX-5201  
SHEET 5 OF 6

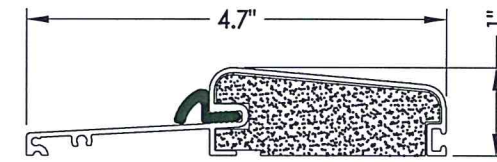
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
F	#10 X 3" PFH WOOD SCREW	STEEL
1	COMPOSITE JAMB	POLY FIBER
7	WEATHERSTRIP (Q-LON)	FOAM
8	SWEEP	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
23	#10 X 1-1/2" PPH SMS	STEEL
24	#10 X 3/4" PFH SMS	STEEL
26	#8 X 1" PFH WOOD SCREW	STEEL
27	#8-32 X 7/8" MACHINE SCREW	STEEL
28	DEADBOLT STRIKE + REINFORCING PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	LATCH STRIKE PLATE	STEEL
40	DOOR PANEL (PLASTPRO)	-



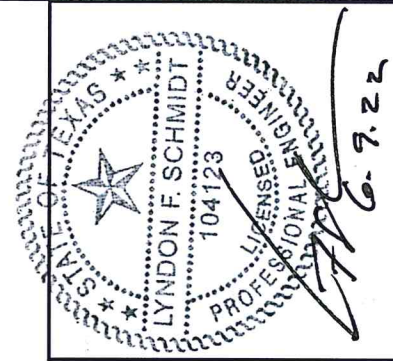
1 POLY FIBER JAMB



13 INSWING ADJUSTABLE THRESHOLD  
Endura (Z SERIES)



14 OUTSWING THRESHOLD  
Columbia



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PRODUCT: dormakaba ELECTRONIC LOCK  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
BILL OF MATERIALS  
& COMPONENTS

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