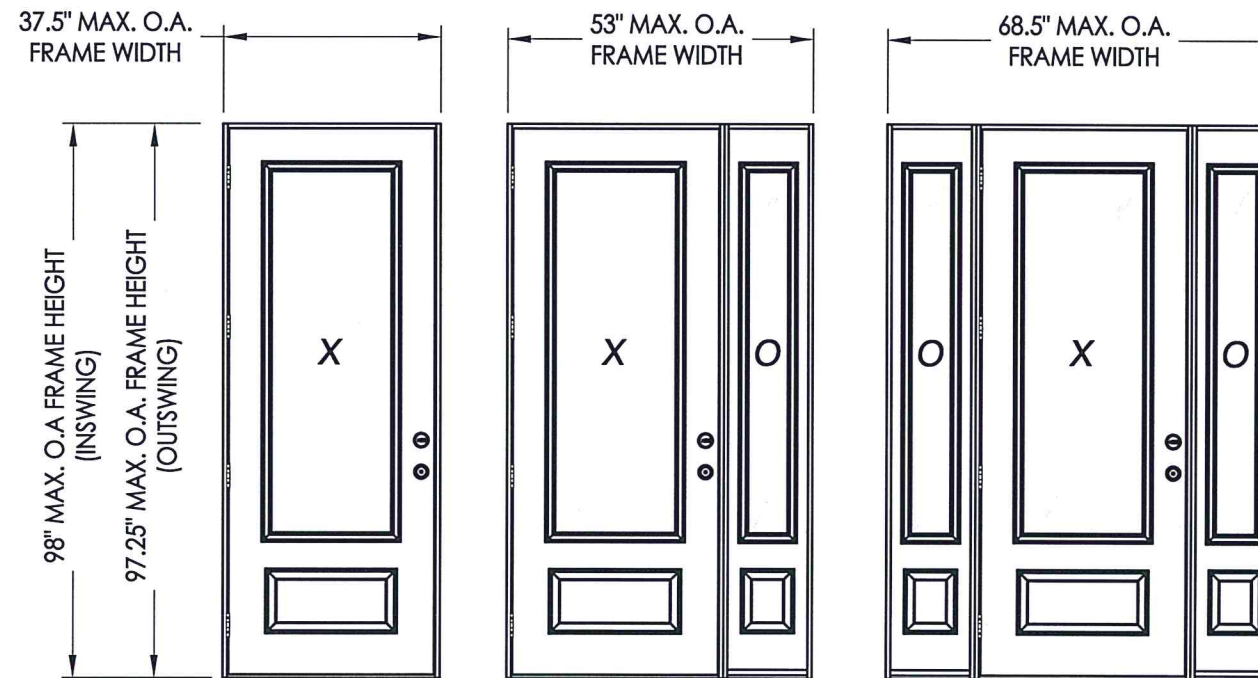


GLAZED FIBERGLASS SINGLE DOOR

w/ or w/out SIDELITE(S)
IN SWING / OUT SWING
"IMPACT"



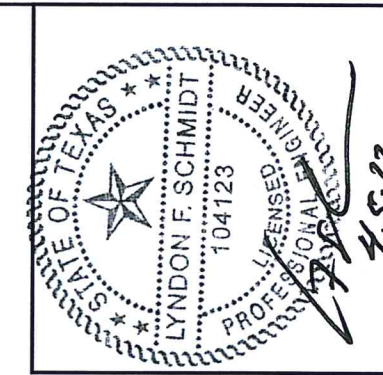
EVALUATED FOR USE IN THE STATE OF TEXAS

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	Sidelite Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections
6	Horizontal Cross Sections
7	Vertical Cross Sections
8	Frame Anchoring & Hardware Details
9	Life Frame & Glazing Details
10	Bill of Materials & Components

CONFIGURATION	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+45.0	-50.0	+50.0	-50.0
OX, XO, OXO	+45.0	-50.0	+45.0	-45.0



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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: GLASSCRAFT FIBERGLASS DOOR

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

NO.	DATE	BY	REVISIONS

DATE: 4/01/22

SCALE: N.T.S.

DWG. BY: LFS

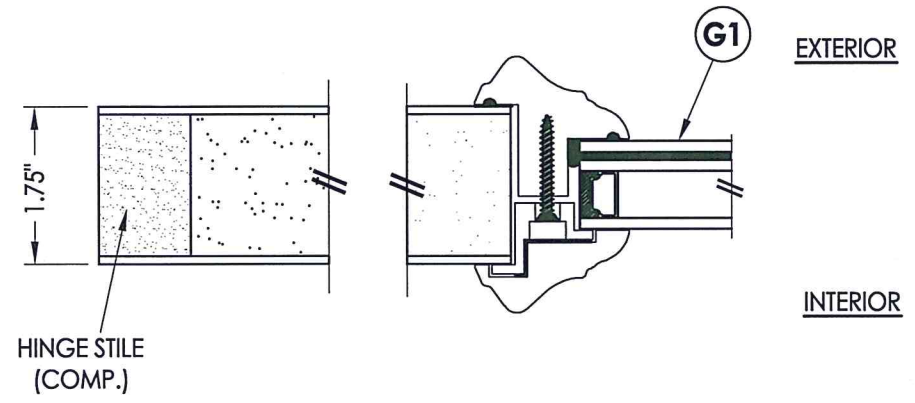
CHK. BY: RW

DRAWING NO.: TX-5269

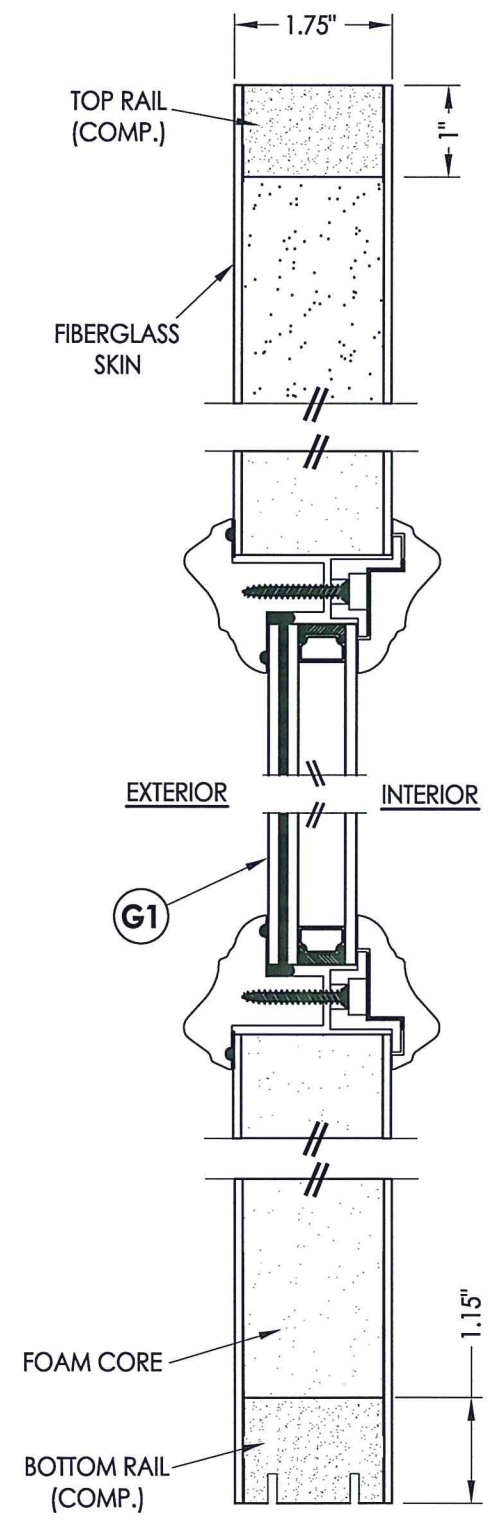
SHEET 1 OF 10



50 SIDELITE PANEL
Fiberglass

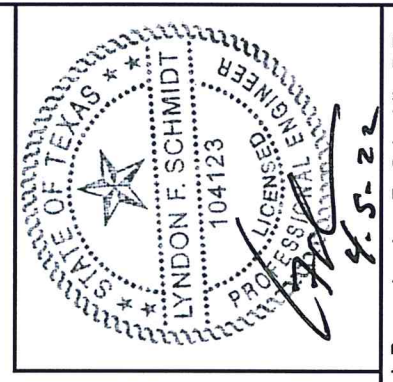


1 HORIZONTAL CROSS SECTION



2 VERTICAL CROSS SECTION

DOOR SKIN: 0.090" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM



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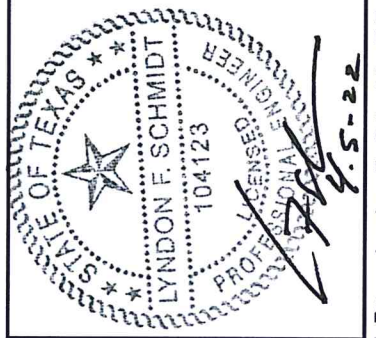
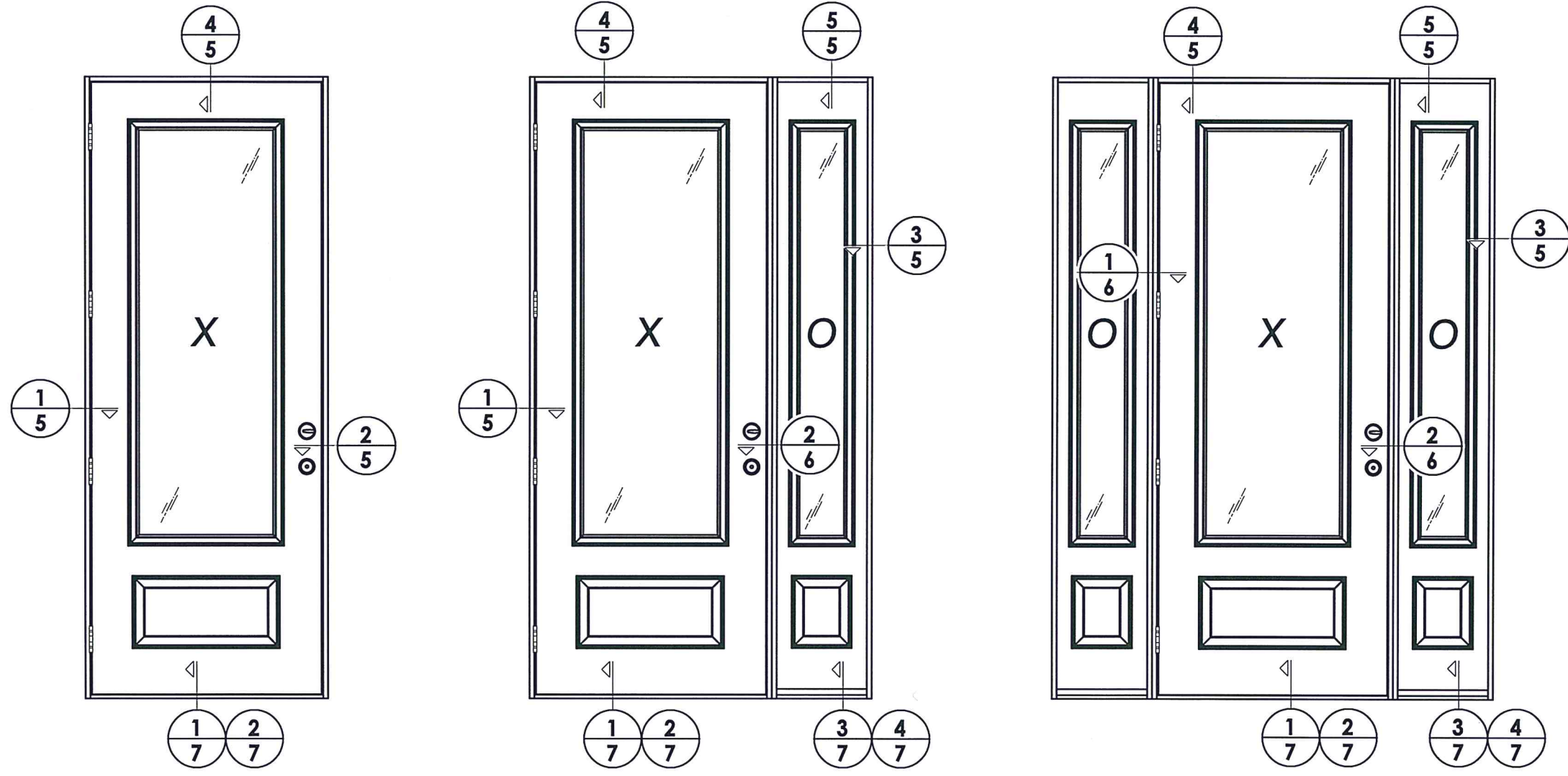
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: GLASSCRAFT FIBERGLASS DOOR

PART OR ASSEMBLY: SIDELITE PANEL DETAILS

NO.	DATE	BY

DATE: 4/01/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: TX-5269
SHEET 3 OF 10



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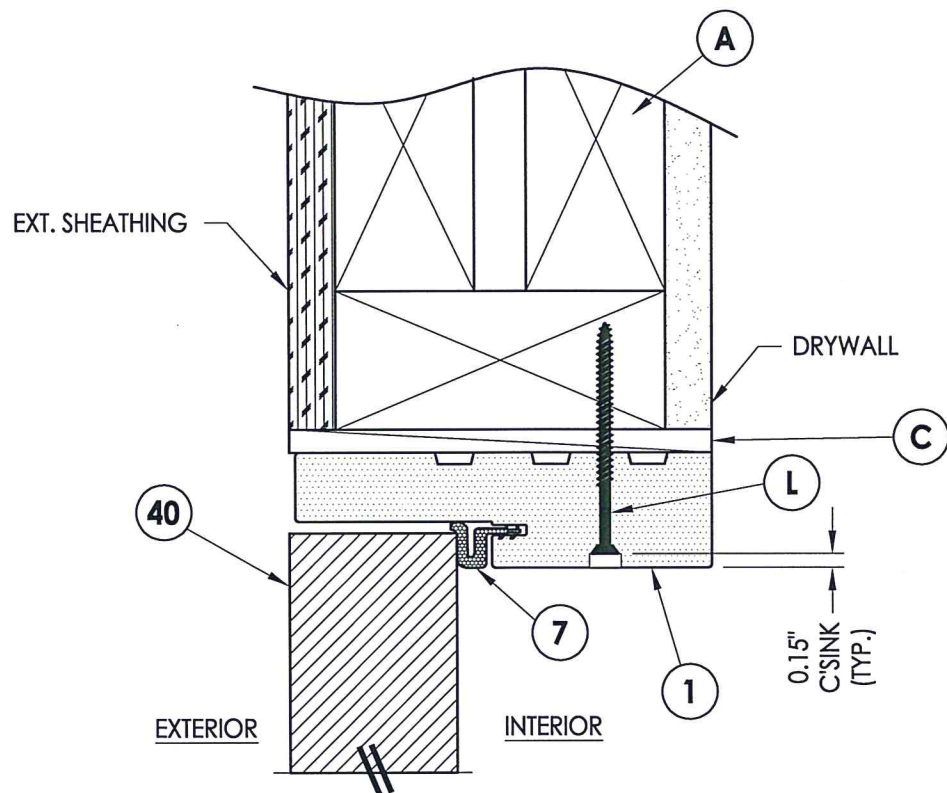
PRODUCT: GLASSCRAFT
 FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

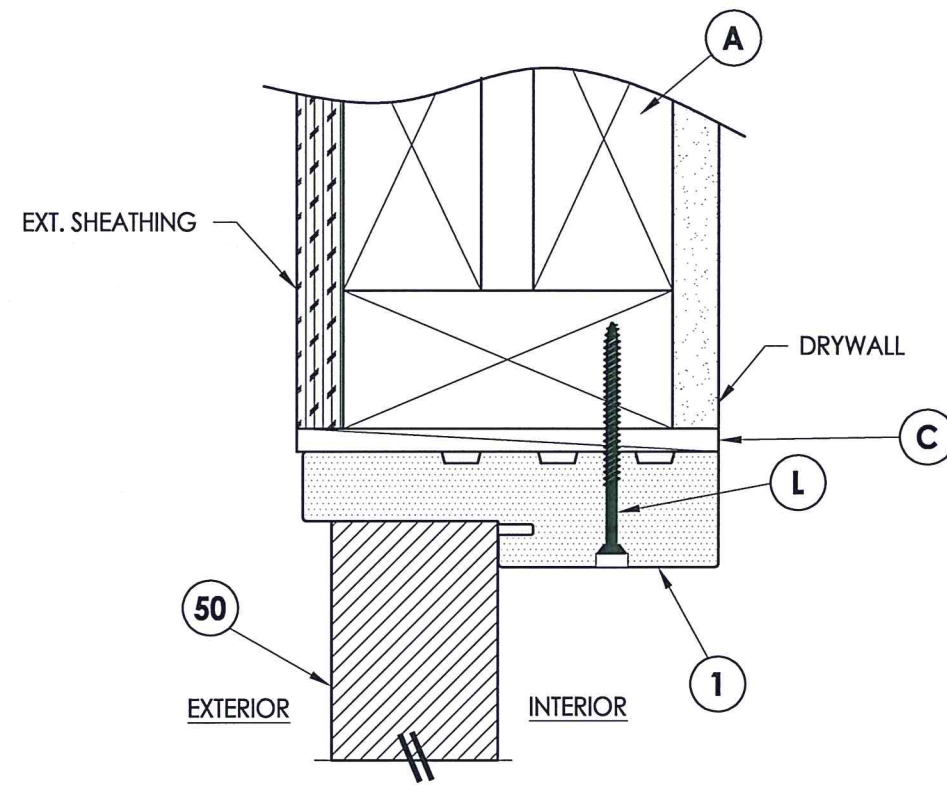
NO.	DATE	BY	REVISIONS

DATE: 4/01/22
 SCALE: N.T.S.
 DWG. BY: LFS
 CHK. BY: RW
 DRAWING NO.: TX-5269
 SHEET 4 of 10

Z:\Clients\GlassCraft\B - Texas Dept of Ins\TDI - DR-XXXX 8-0 FG Impact\C - Drawings\TX-5269.dwg

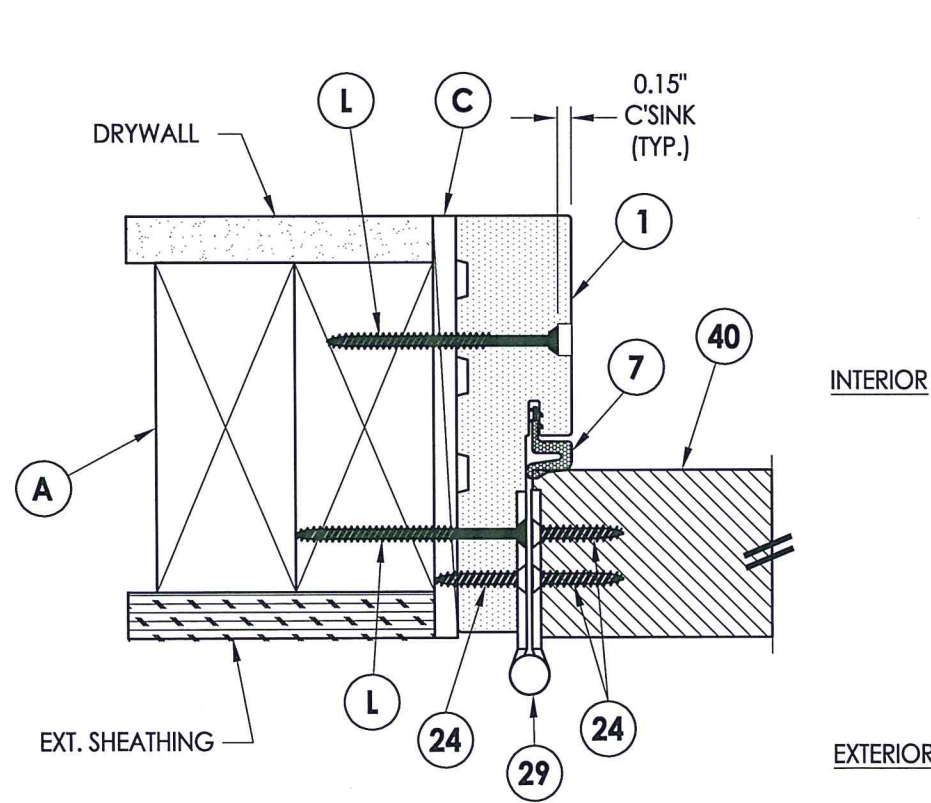


4 VERTICAL CROSS SECTION
5 Outswing shown - Inswing also approved

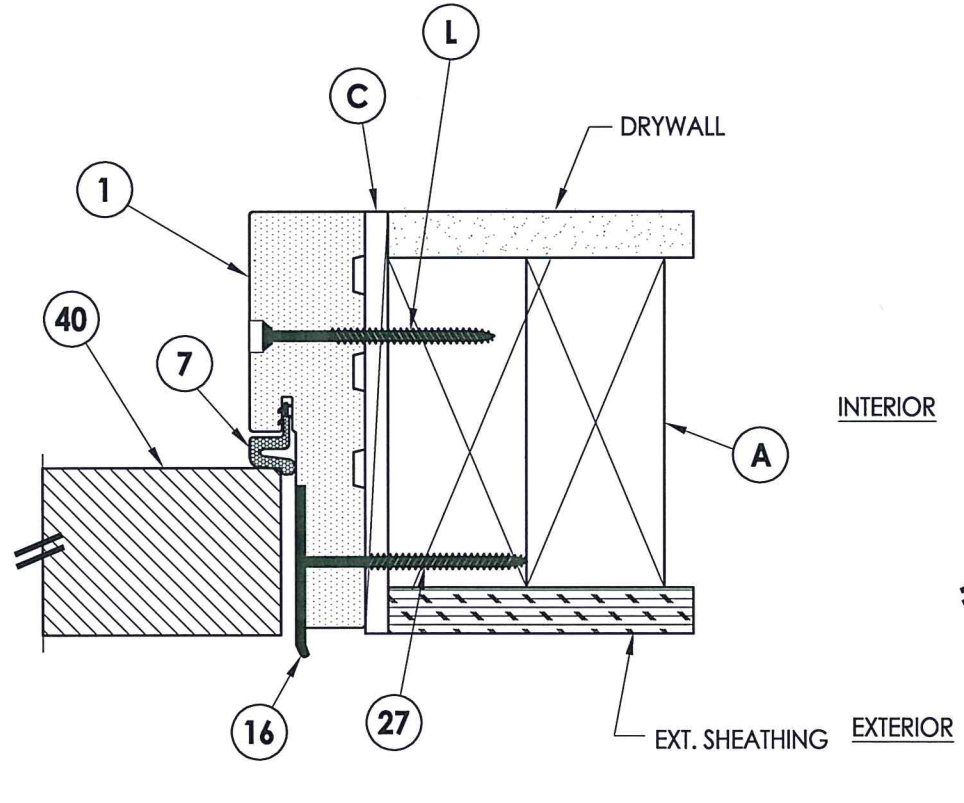


5 VERTICAL CROSS SECTION
5 Outswing shown - Inswing also approved

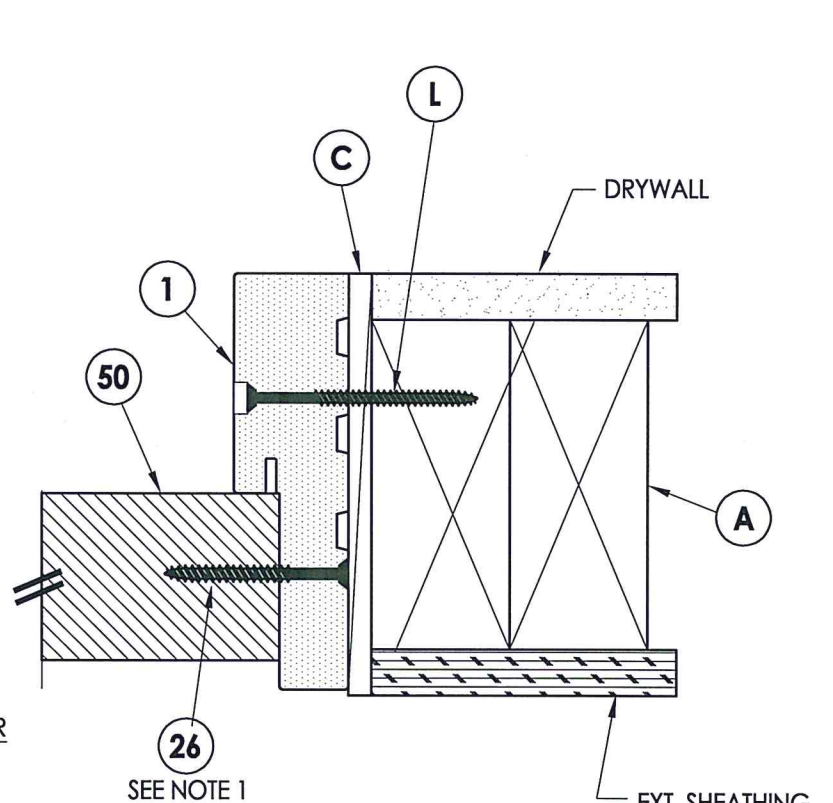
NOTE:
 1. Sidelite panel screws located 6" from each end plus 5 more equally spaced (7 screws total).



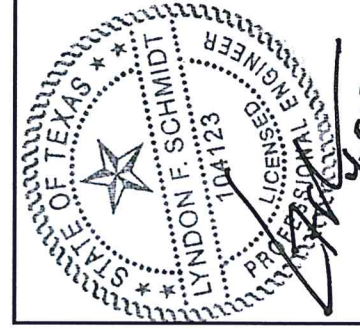
1 HORIZONTAL CROSS SECTION
5 Outswing shown - Inswing also approved



2 HORIZONTAL CROSS SECTION
5 Outswing shown - Inswing also approved



3 HORIZONTAL CROSS SECTION
5 Outswing shown - Inswing also approved



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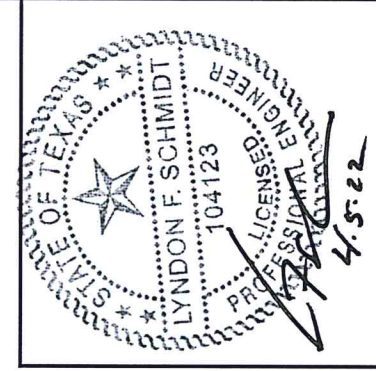
PRODUCT: GLASSCRAFT FIBERGLASS DOOR
 PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 4/01/22
 SCALE: N.T.S.
 DWG. BY: LFS
 CHK. BY: RW
 DRAWING NO.: TX-5269
 SHEET 5 OF 10

NOTE:

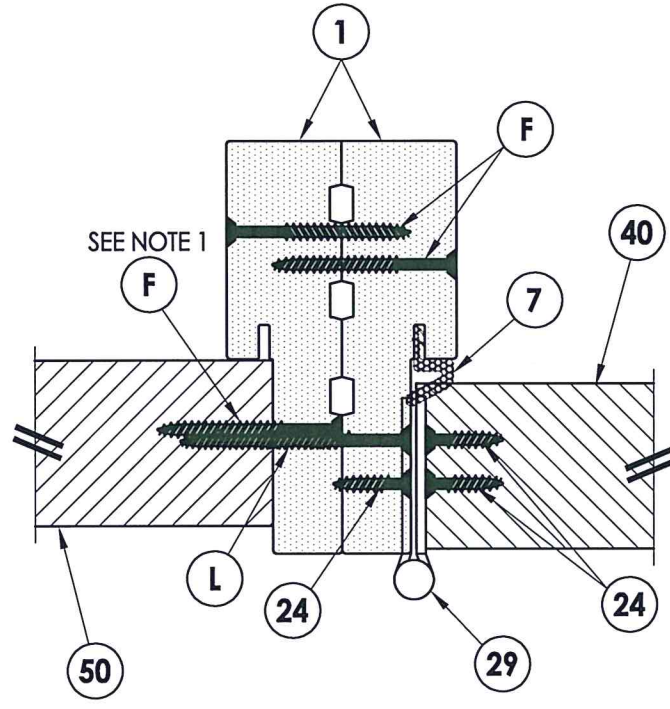
- Sidelife panel screws located 6" from each end plus 5 more equally spaced (7 screws total).



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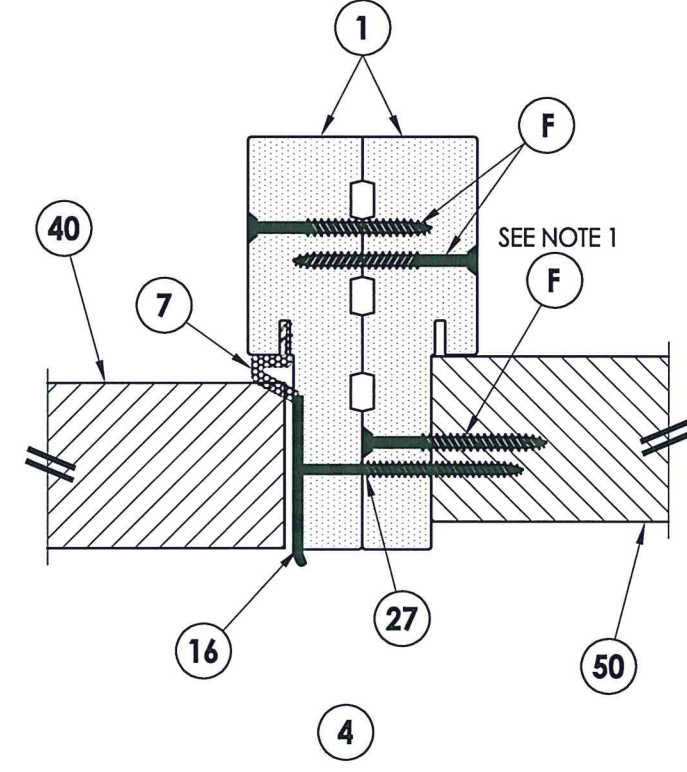
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Phone No.: 813.659.9197

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1 **HORIZONTAL CROSS SECTION**
6 Outswing shown - Inswing also approved

INTERIOR
EXTERIOR



2 **HORIZONTAL CROSS SECTION**
6 Outswing shown - Inswing also approved

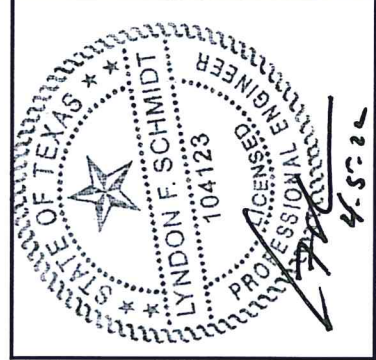
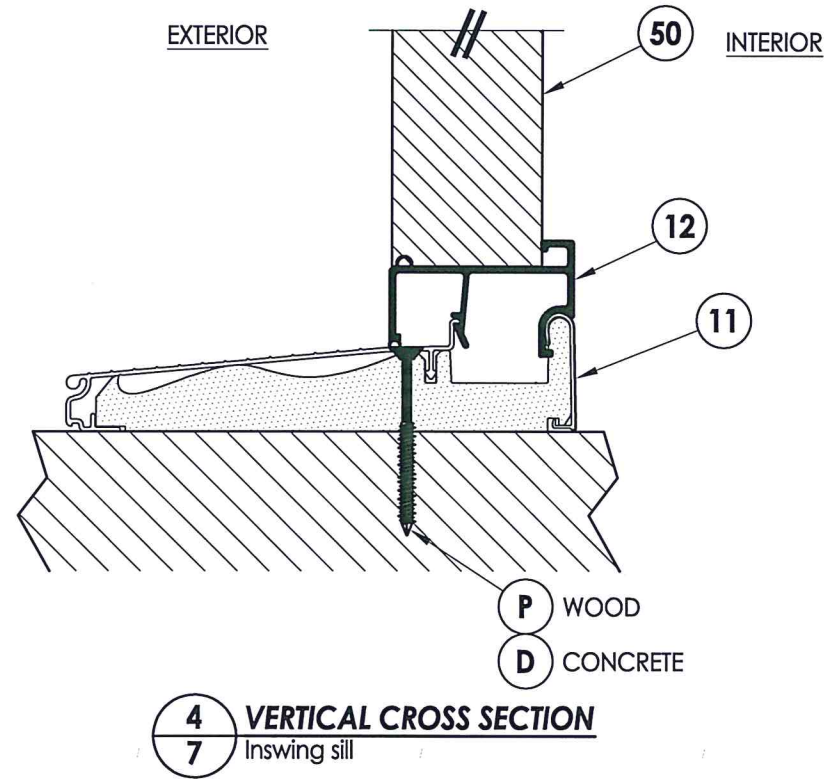
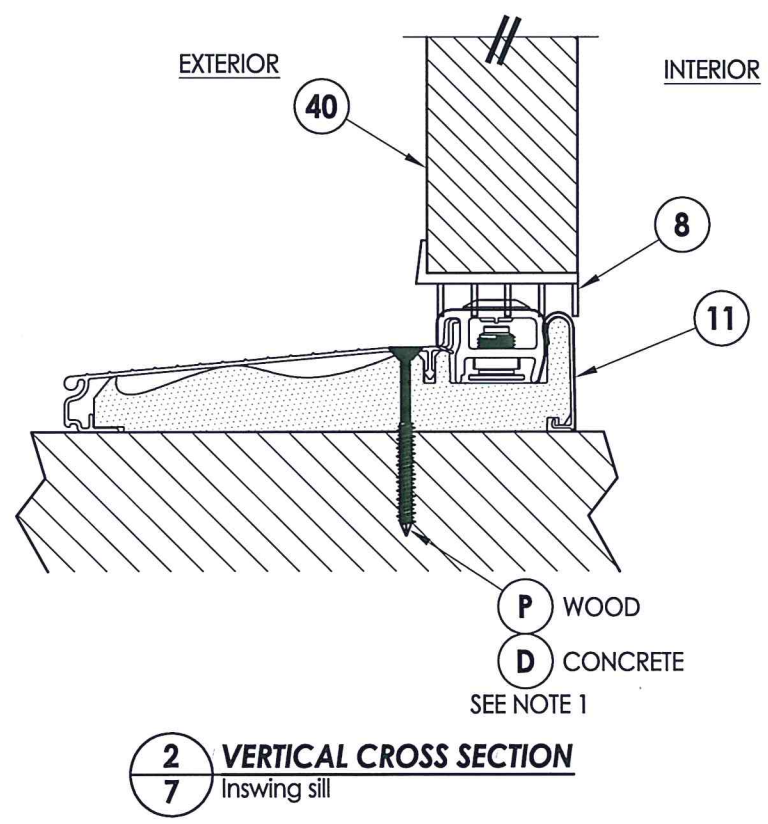
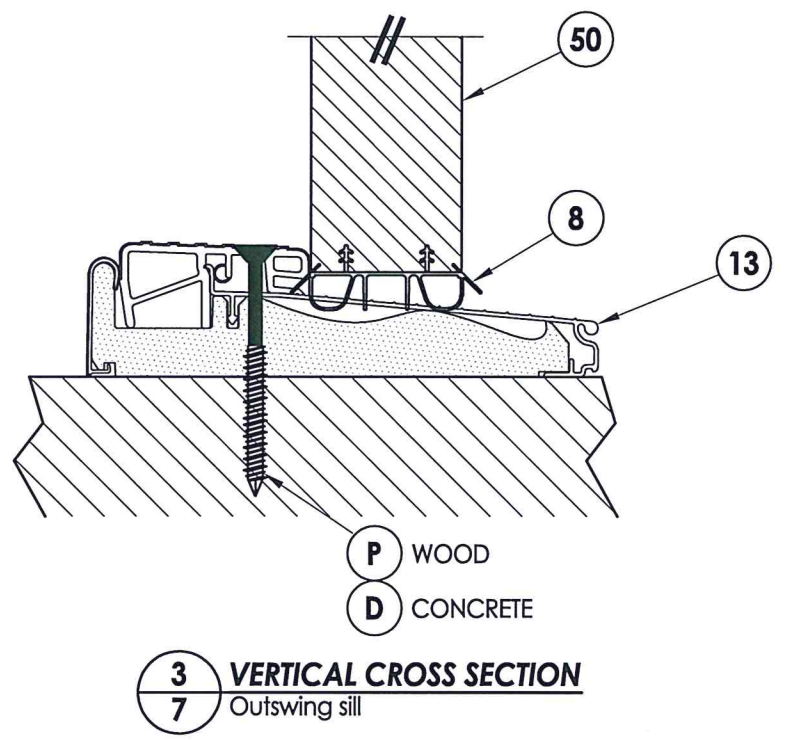
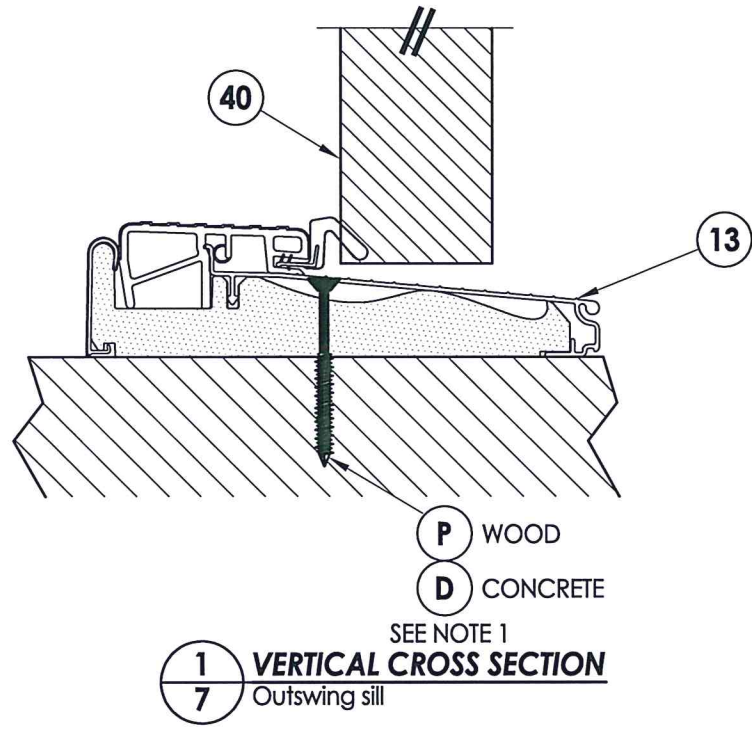
PRODUCT: GLASSCRAFT
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 4/01/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: TX-5269
SHEET 6 OF 10

NOTE:

- Sill anchor not required for Single (X) door configuration only.



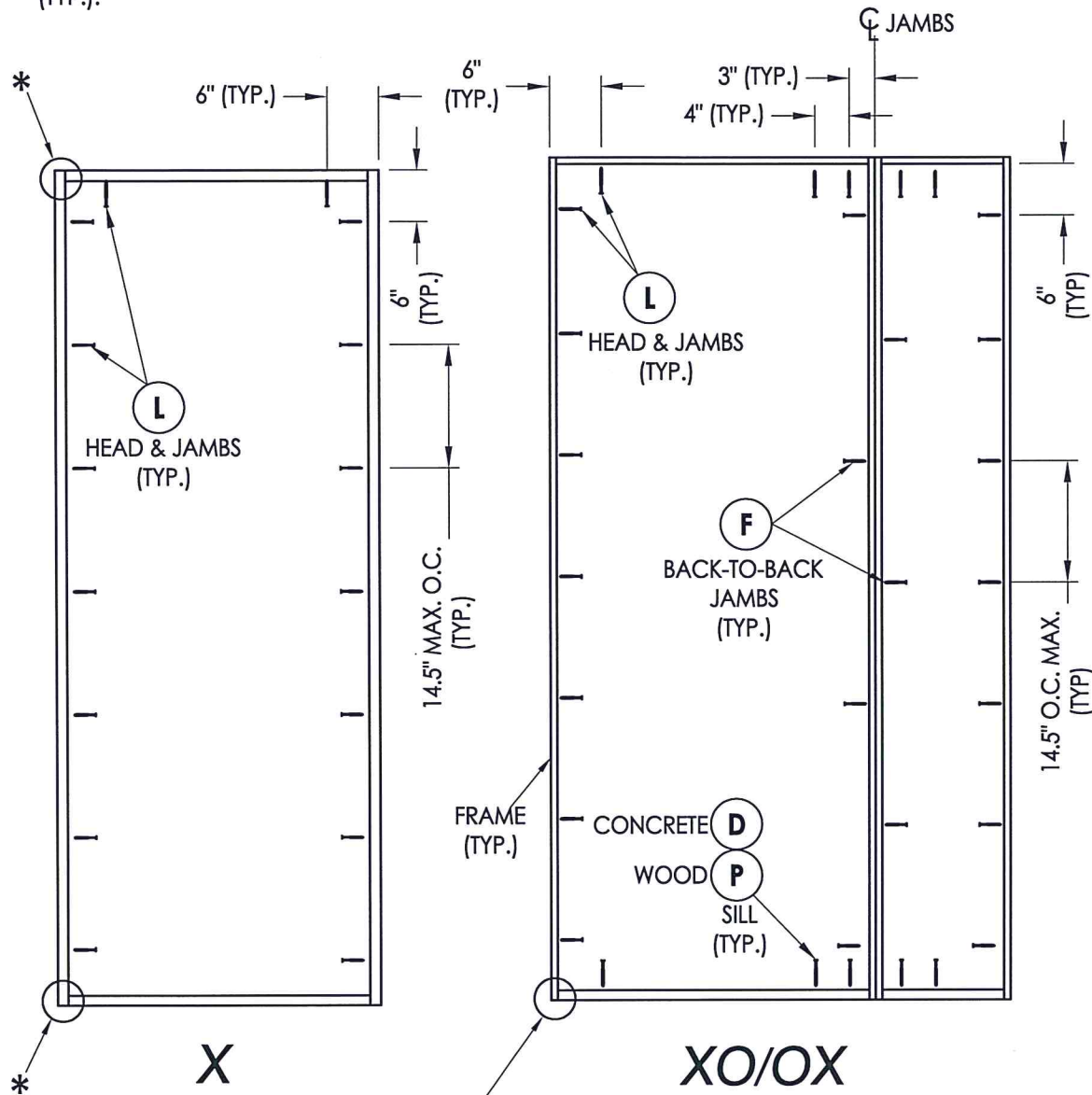
Documents Prepared By: Lyndon F. Schmidt, P.E.
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RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Vairico FL 33595
 Phone No.: 813.659.9197
 TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: GLASSCRAFT FIBERGLASS DOOR
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

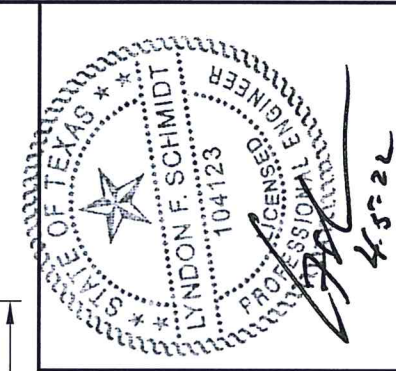
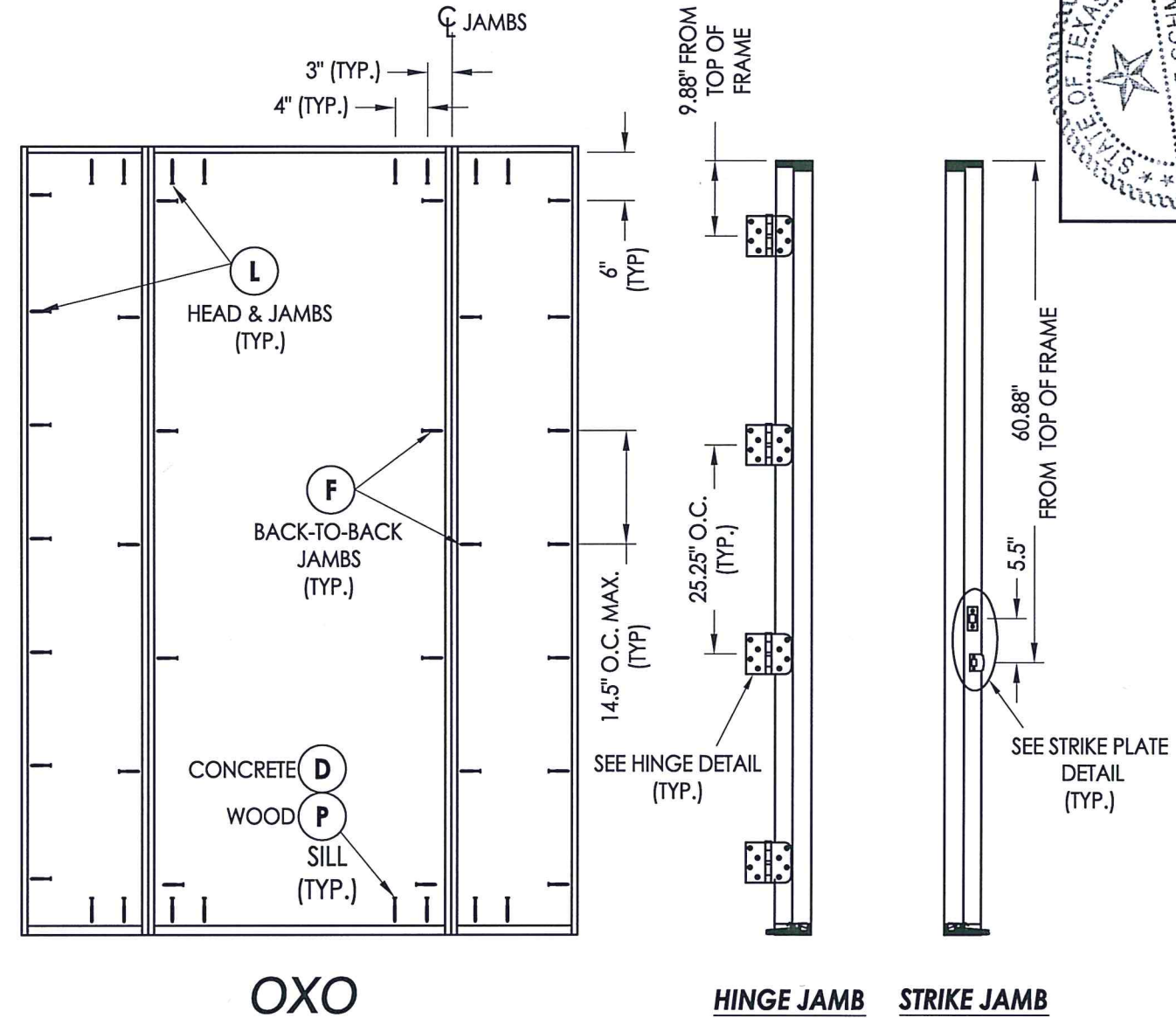
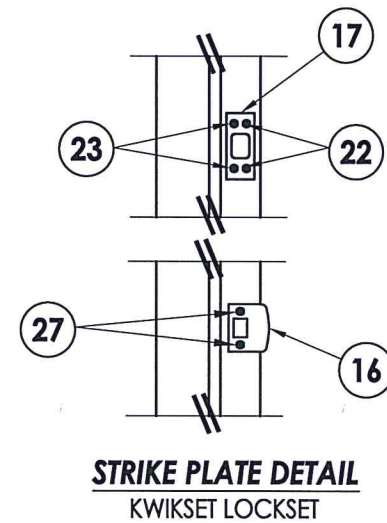
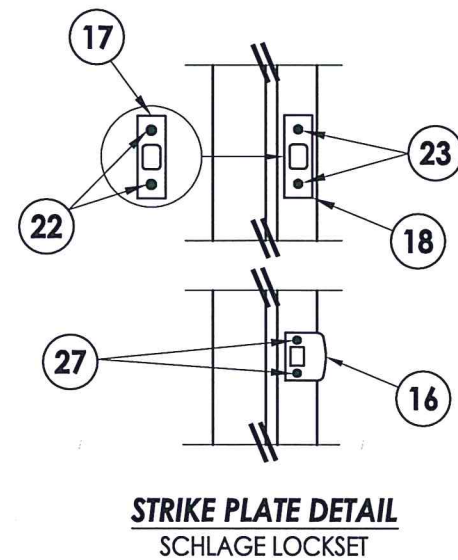
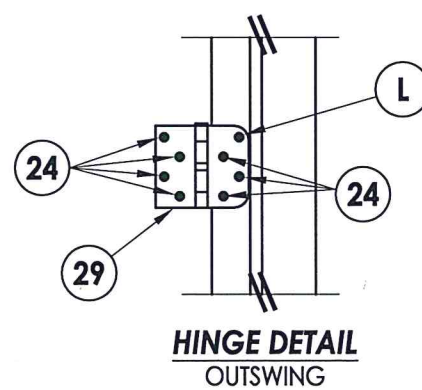
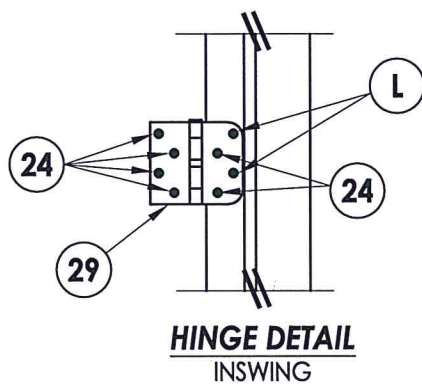
DATE: 4/01/22
 SCALE: N.T.S.
 DWG. BY: LFS
 CHK. BY: RW
 DRAWING NO.: TX-5269
 SHEET 7 of 10

* NOTE: FRAME CORNERS ATTACHED w/ (3) #9 X 3" FH DECK SCREWS @ HEAD & SILL (TYP.).



OPTIONAL 1-1/2" PVC JAMB BOOT ATTACHED TO JAMB & TO SILL w/ (3) #9 X 3" FH DECK SCREWS EACH (TYP.).

FRAME ANCHORING



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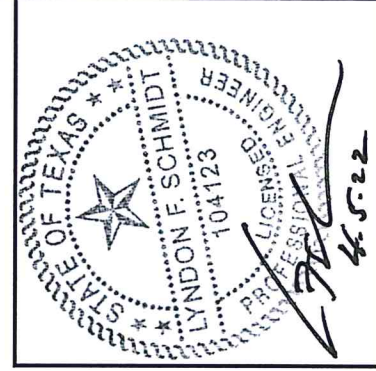
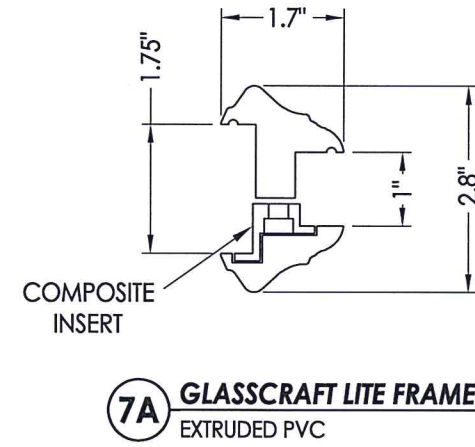
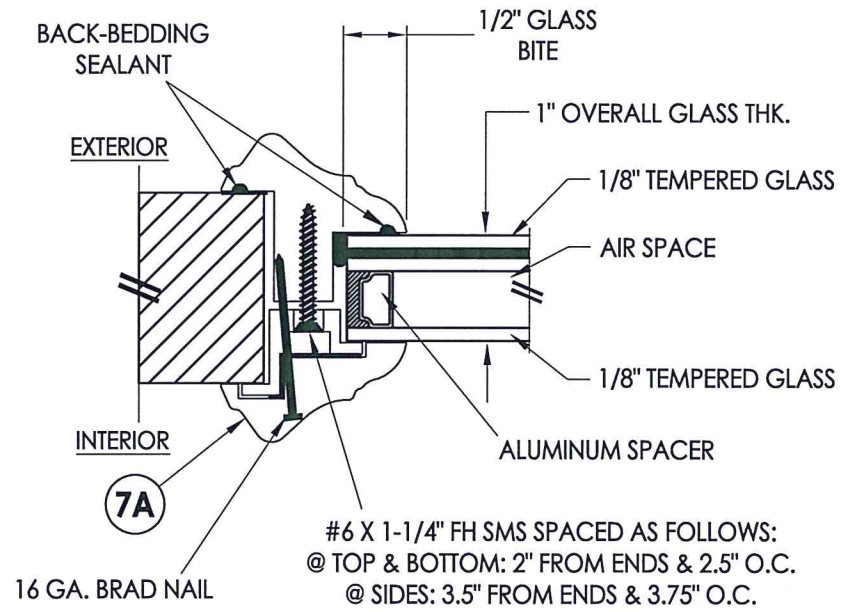
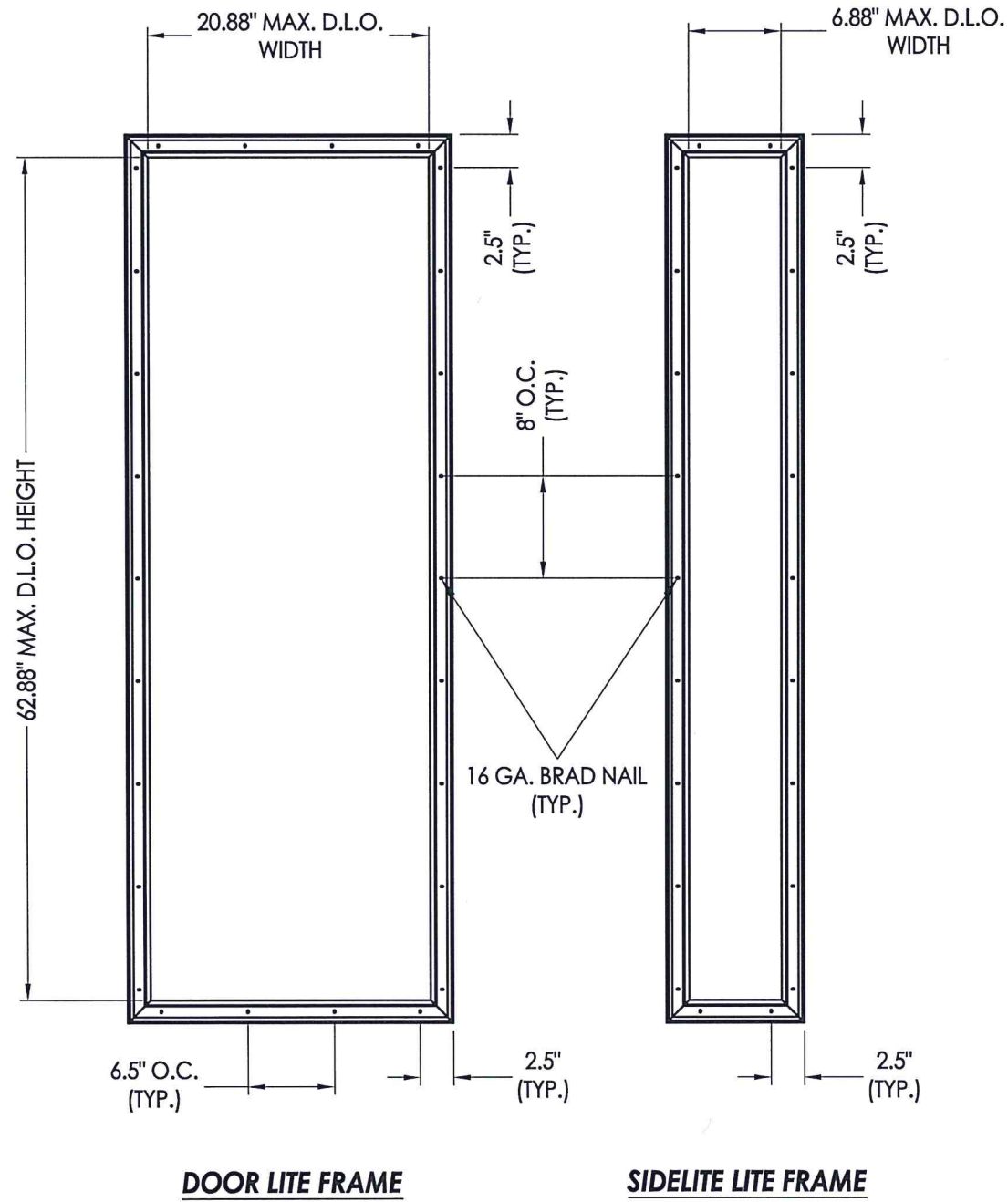
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: GLASSCRAFT FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS

NO.	DATE	BY	REVISIONS

DATE: 4/01/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: TX-5269
SHEET 8 OF 10



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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:	GLASSCRAFT FIBERGLASS DOOR
PART OR ASSEMBLY:	LITE FRAME & GLAZING DETAILS

NO.	DATE	BY	REVISIONS

DATE:	4/01/22
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	TX-5269
SHEET	9 OF 10

BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" Ø PFH DeWALT OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
L	#10 X 2-1/2" PFH WS (1.15" MIN. EMBEDMENT)	STEEL
P	#10 PFH WOOD SCREW (1-1/2" MIN. EMB.)	STEEL
1	COMPOSITE JAMB	COMP
4	COMPOSITE MULLION	COMP
7	WEATHERSTRIP	FOAM
8	DOOR/SIDELITE BOTTOM SWEEP	PVC
11	INSWING THRESHOLD	ALUM/ COMP
12	INSWING SIDELITE ADAPTER	VINYL
13	OUTSWING THRESHOLD	ALUM/ COMP
16	LATCH STRIKE PLATE	STEEL
17	DEADBOLT STRIKE PLATE	STEEL
18	DEADBOLT SUB-STRIKE PLATE	STEEL
20	#9 X 3" FH COMPOSITE DECK SCREW	STEEL
22	#8 X 1/2" PFH WOOD SCREW	STEEL
23	#12 X 2-1/2" PFH WOOD SCREW	STEEL
24	#9 X 1" PFH WS	STEEL
26	#10 X 2" PFH WS	STEEL
27	#8 X 2-1/2" PFH WOOD SCREW	STEEL
29	4" X 4" HINGE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-

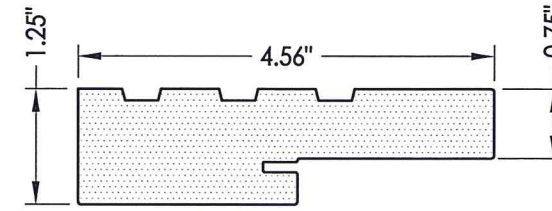
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

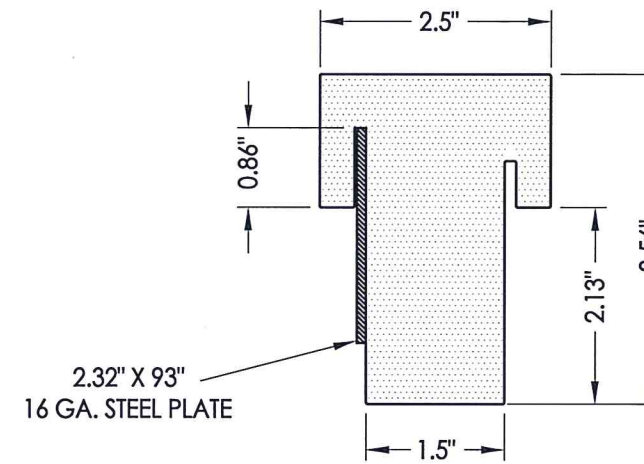
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-3/4"	3"	1-1/2"
	1/4"	1-3/4"	2"	4"
ELCO ULTRACON®	1/4"	1-3/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

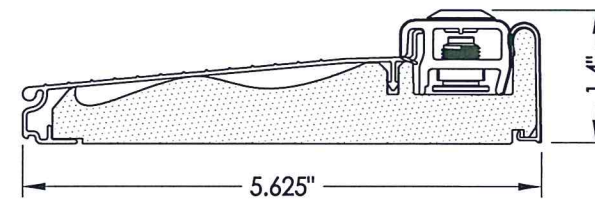
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



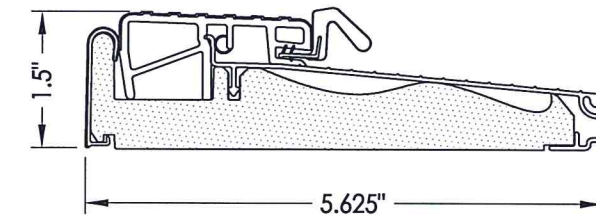
1 COMPOSITE JAMB



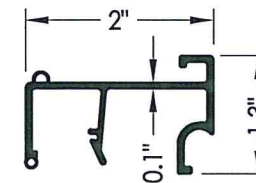
4 COMPOSITE MULLION



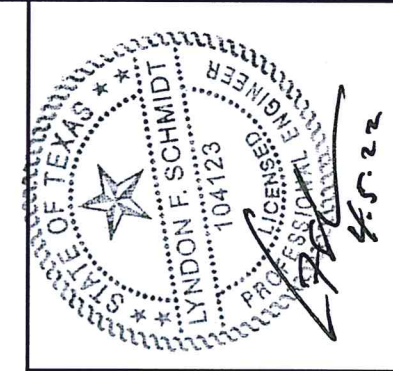
11 INSWING THRESHOLD
ENDURA



13 OUTSWING THRESHOLD
ENDURA



12 INSWING SIDELITE ADAPTER
ENDURA



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

PRODUCT: GLASSCRAFT FIBERGLASS DOOR
PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY

DATE: 4/01/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: TX-5269
SHEET 10 of 10