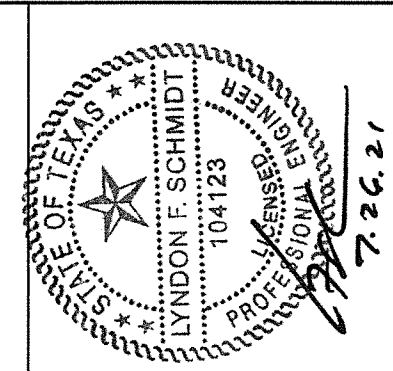


THERMA-TRU[®] DOORS

Fiber-Classic[®] & Smooth-Star[®]

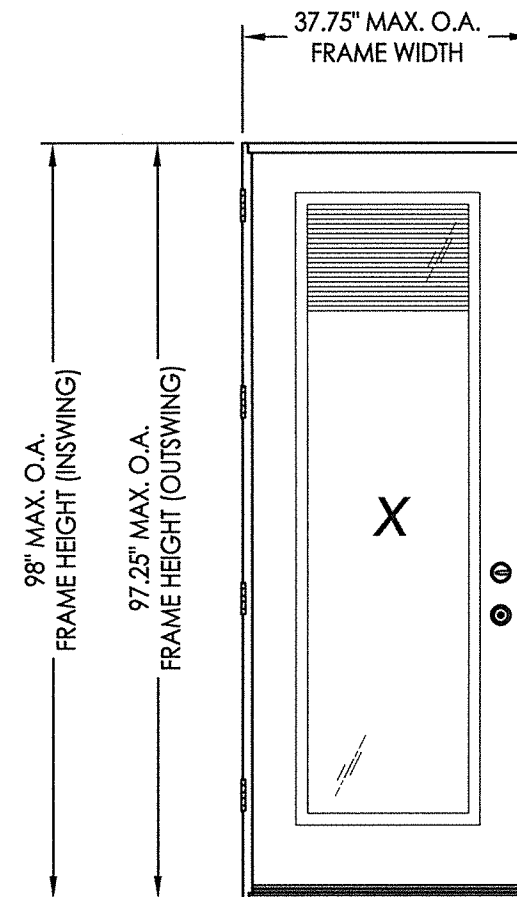


Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197

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

COMPOSITE EDGE GLAZED FIBERGLASS SINGLE DOOR w/ BLINDS BETWEEN GLASS INSWING/OUTSWING "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:

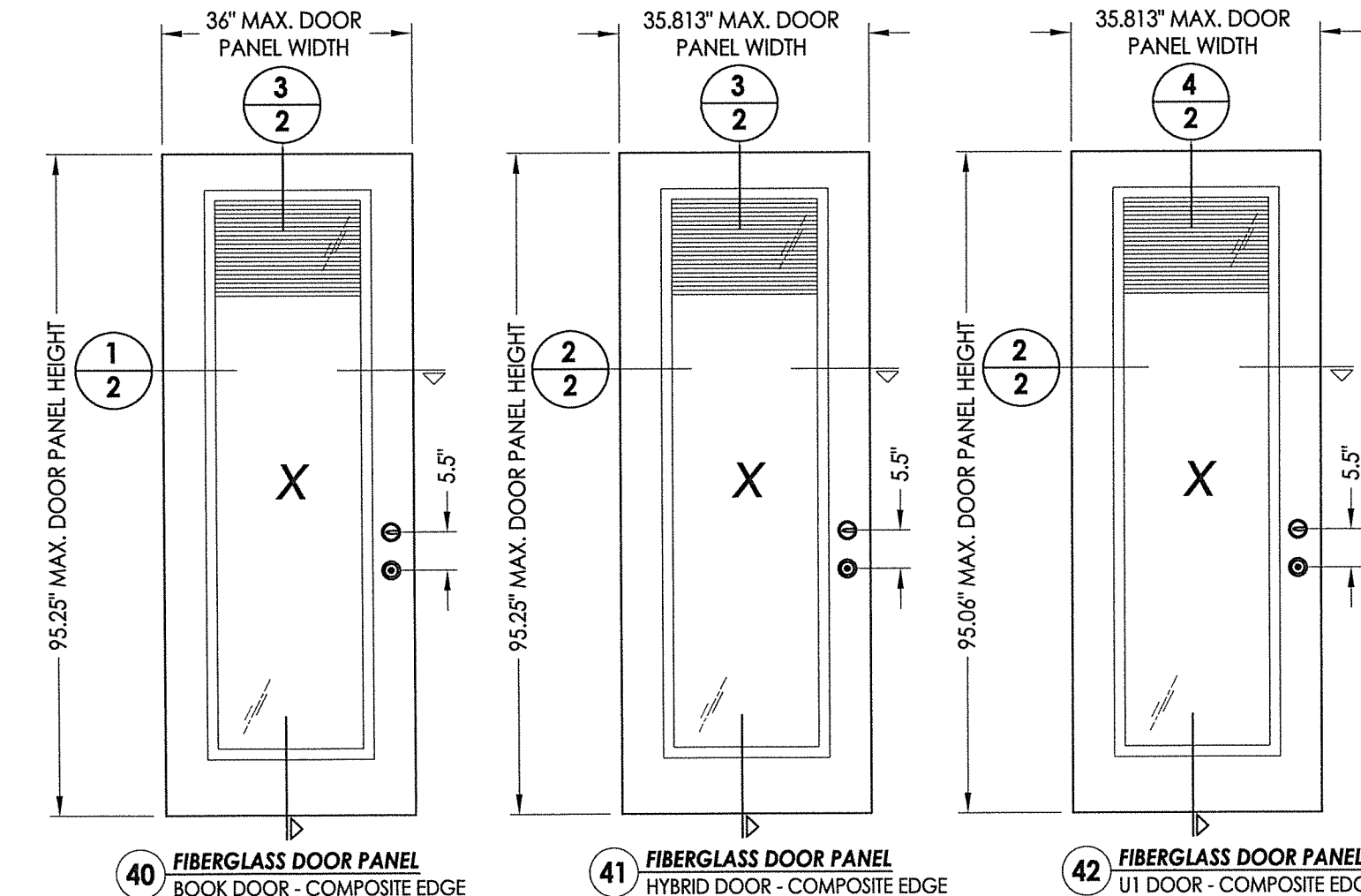
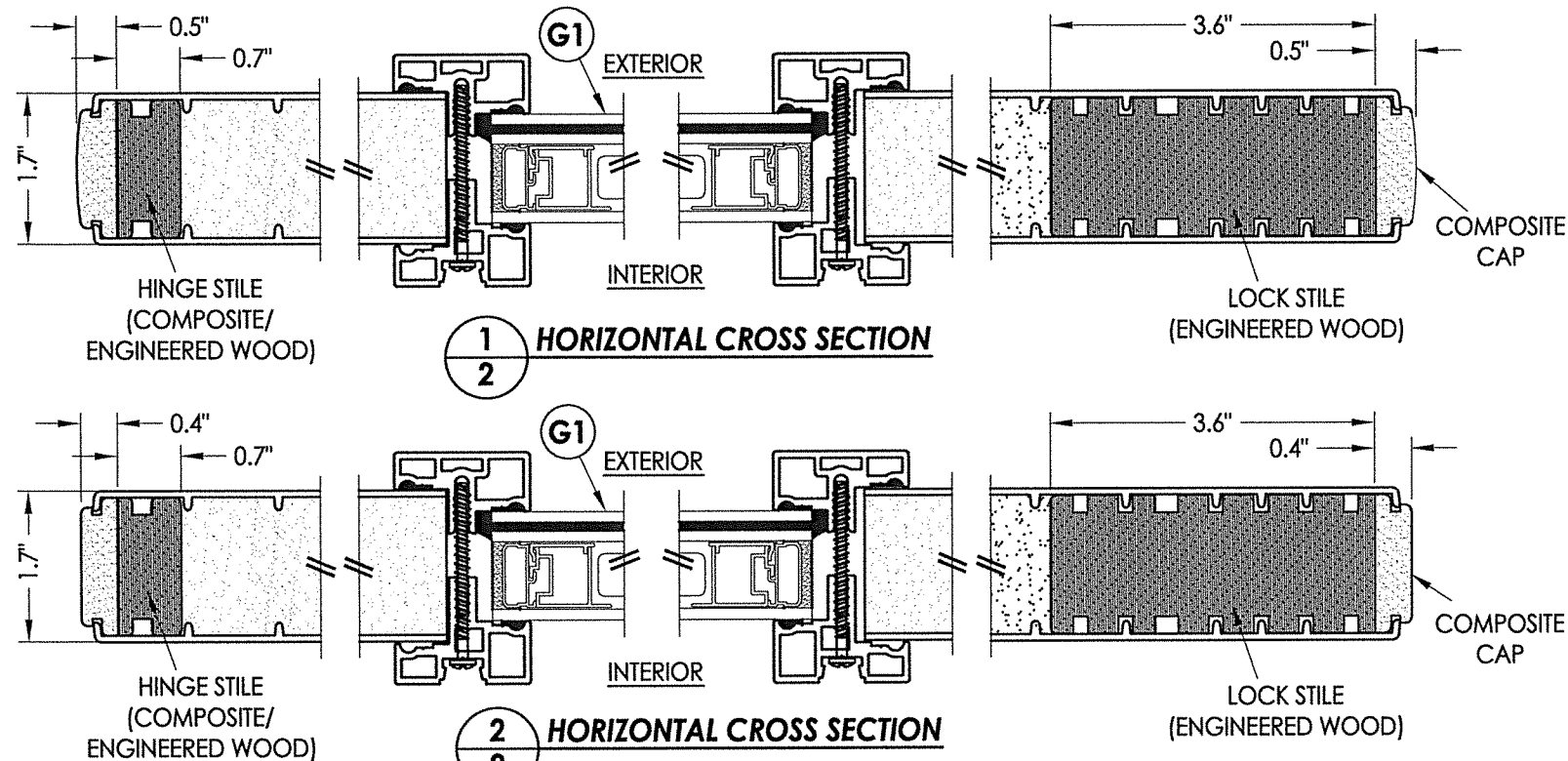
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. This system has been tested and evaluated as a large missile impact protective system for installation in areas that require wind borne debris protection. This 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.
5. Fiber-Classic and Smooth-Star Door & Sidelite panels require the use of "J" part numbers. These door panels must be stained or painted within six months of installation.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Elevations
4	Horizontal & Vertical Cross Sections
5	Vertical Cross Sections
6	Buck & Frame Anchoring
7	Hardware Details
8	Lite Frame & Glazing Details
9	Bill of Materials & Components

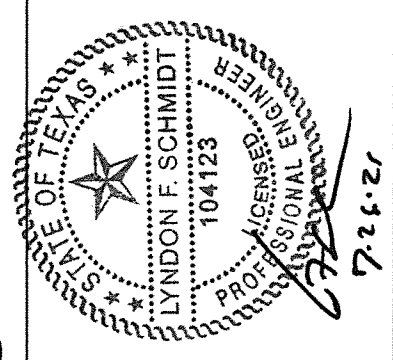
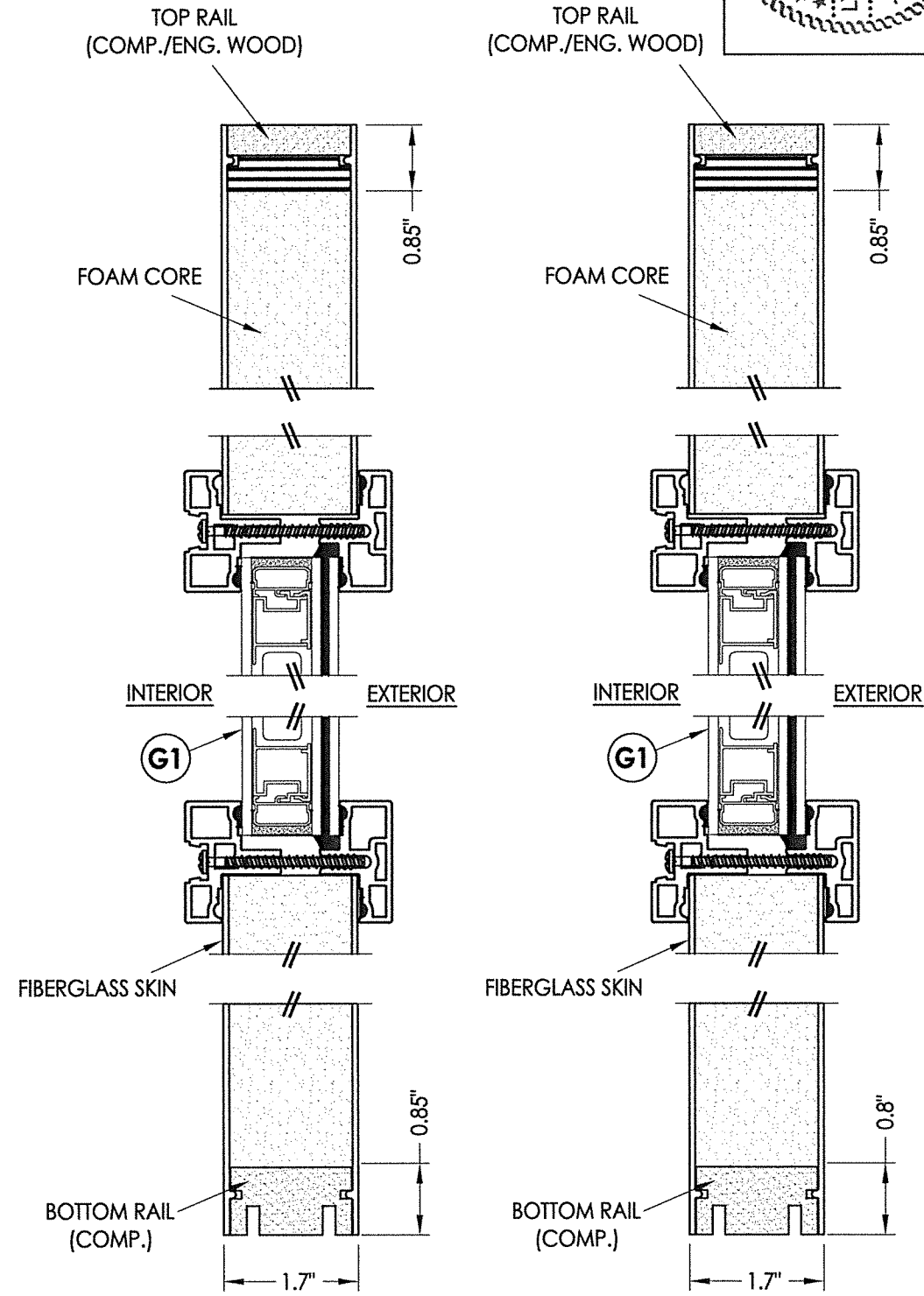
CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+50.0	-50.0	+50.0	-50.0

PRODUCT: THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE
BY	REVISIONS
DATE: 7/21/21	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: TX-5227	
SHEET 1 OF 9	

Z:\Clients\Therma Tru Permanent\B - Texas Dept of Ins\TDI - XXX ID XXXX- 6'8 & 8'0 BBG FG Imp Comp Jambs (TX 5224-5229)\C - Drawings\TX-5227-5229.dwg



FIBERGLASS SKIN: 0.082" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



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PRODUCT: THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	REVISIONS	BY

DATE: 7/21/21

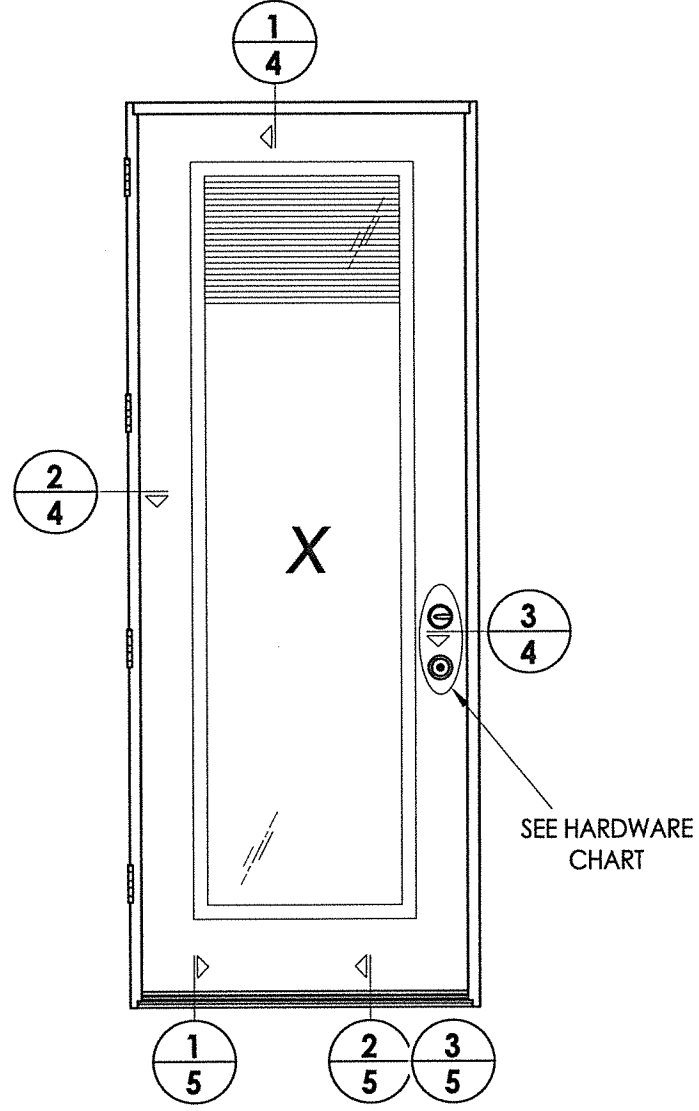
SCALE: N.T.S.

DWG. BY: RW

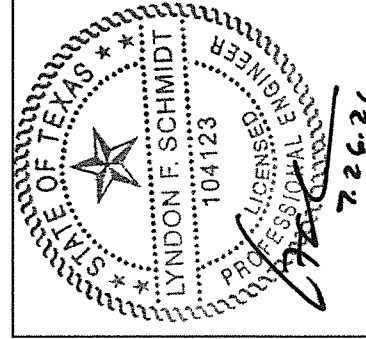
CHK. BY: LFS

DRAWING NO.: TX-5227

SHEET 2 OF 9



HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



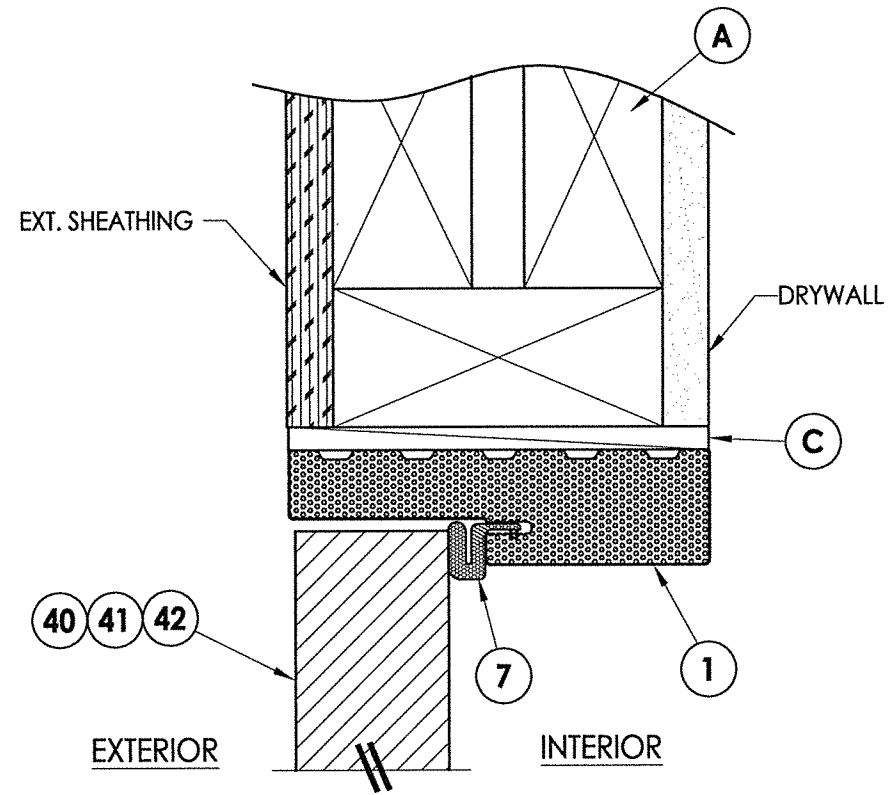
Documents Prepared By: Lyndon F. Schmidt, P.E.
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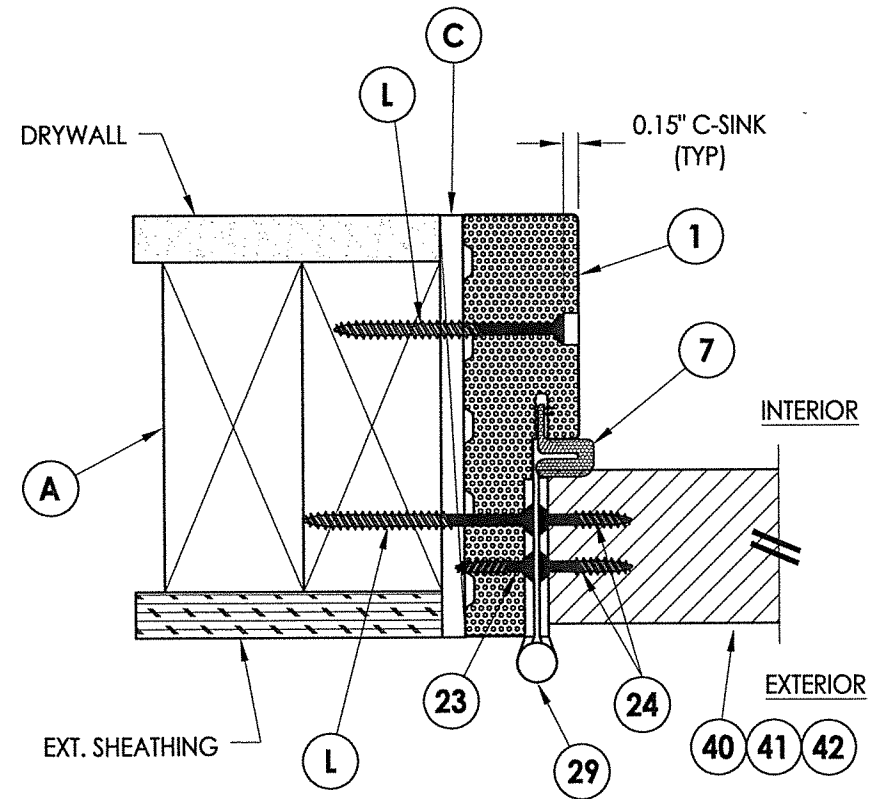
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		ELEVATIONS	
NO.	DATE	REVISIONS	
			BY
DATE: 7/21/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: TX-5227			
SHEET 3 OF 9			

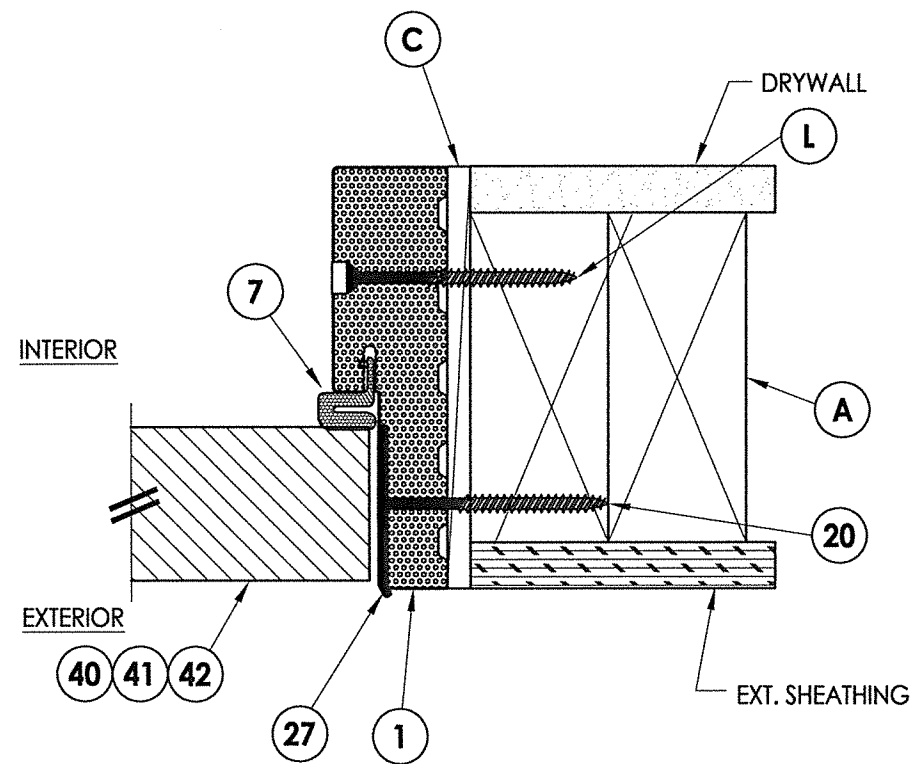
Z:\Clients\Therma Tru PERMANENT\B - Texas Dept of Ins\YDI - XXX ID XXXX- 6'8 & 8'0 BBG FG Imp Comp Jambs (TX 5224-5229)\C - Drawings\TX-5227-5229.dwg



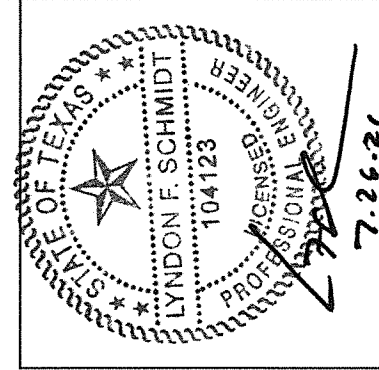
1 VERTICAL CROSS SECTION
4 Outswing shown (Inswing similar)



2 HORIZONTAL CROSS SECTION
4 Outswing shown (Inswing similar)



3 HORIZONTAL CROSS SECTION
4 Outswing shown (Inswing similar)



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

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 Phone No.: 813.659.9197

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

PRODUCT: THERMA-TRU
 FIBERGLASS DOOR

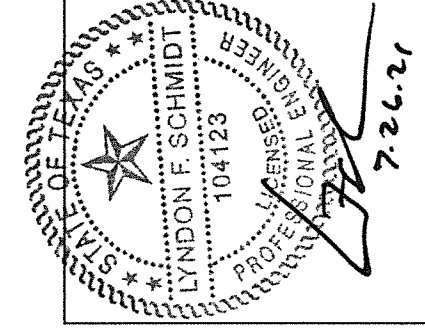
PART OR ASSEMBLY:
 HORIZONTAL & VERTICAL
 CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 7/21/21
 SCALE: N.T.S.
 DWG. BY: RW
 CHK. BY: LFS
 DRAWING NO.: TX-5227
 SHEET 4 OF 9

Notes:

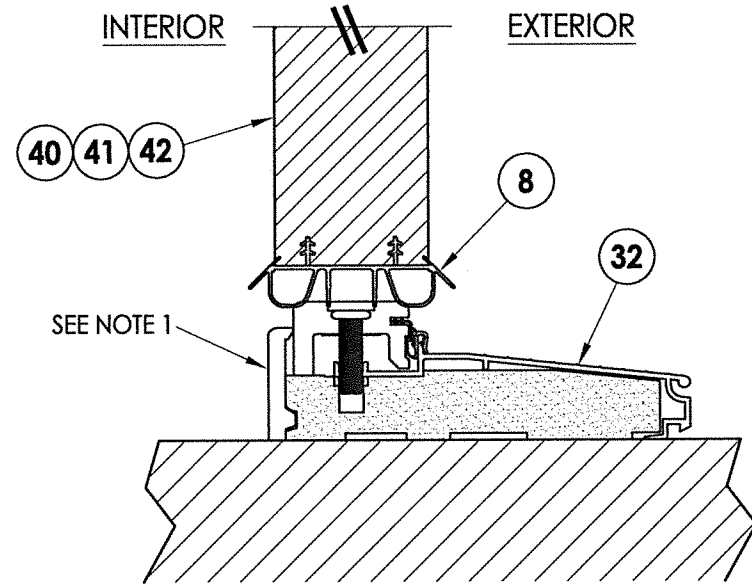
- 1. Sill Item #32 is attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
- Sill Item #33 is attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
- Sill Item #34 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.



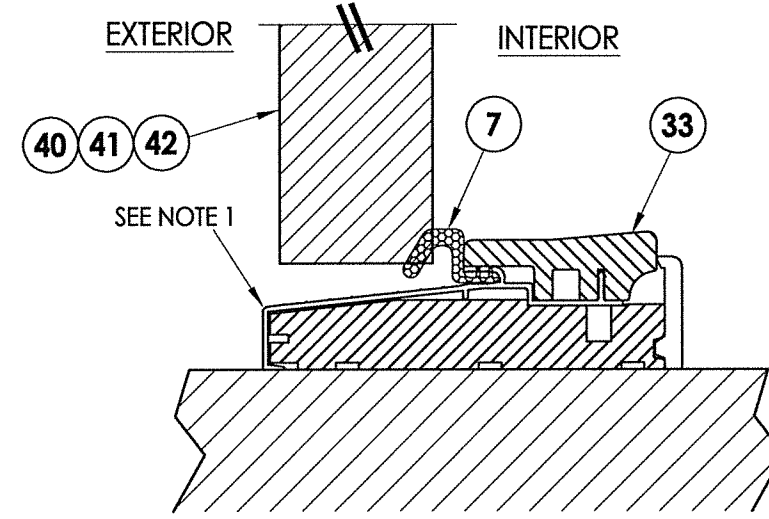
Documents Prepared By: Lyndon F. Schmidt, P.E.
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RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197

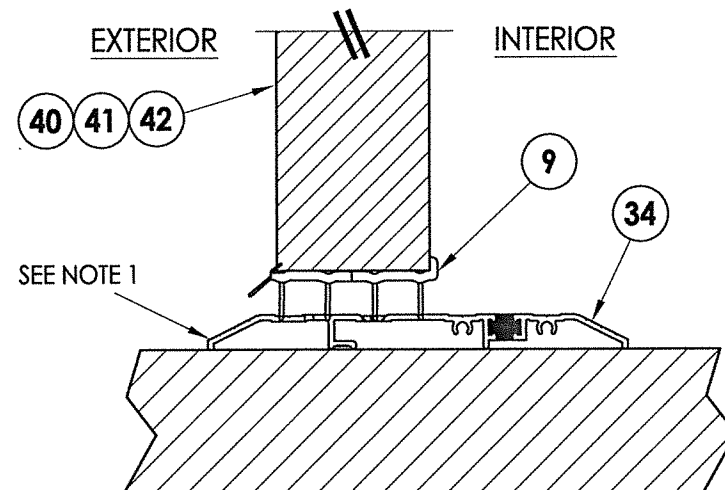
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852



1 VERTICAL CROSS SECTION
5 Inswing Sill

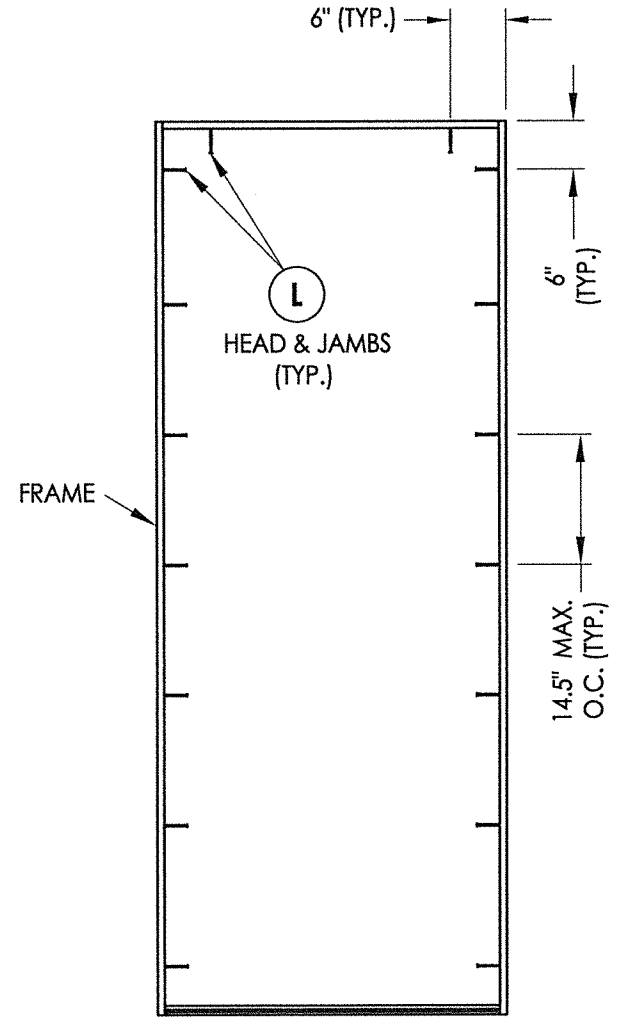


2 VERTICAL CROSS SECTION
5 Outswing Sill

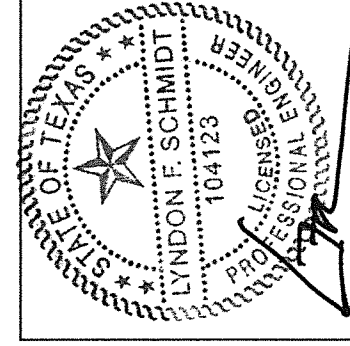
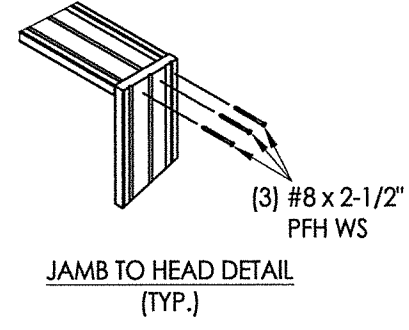


3 VERTICAL CROSS SECTION
5 Public Access Sill

PRODUCT: THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
NO.	DATE
BY	REVISIONS
DATE: 7/21/21	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: TX-5227	
SHEET 5 OF 9	



FRAME ANCHORING



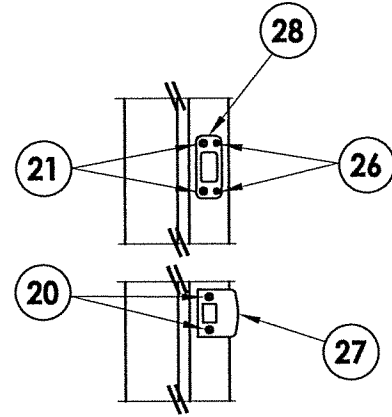
Documents Prepared By: Lyndon F. Schmidt, P.E.
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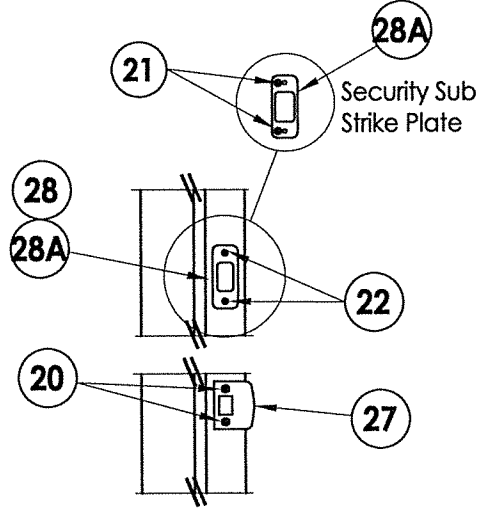
PRODUCT: THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	BY

DATE: 7/21/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5227
SHEET 6 OF 9

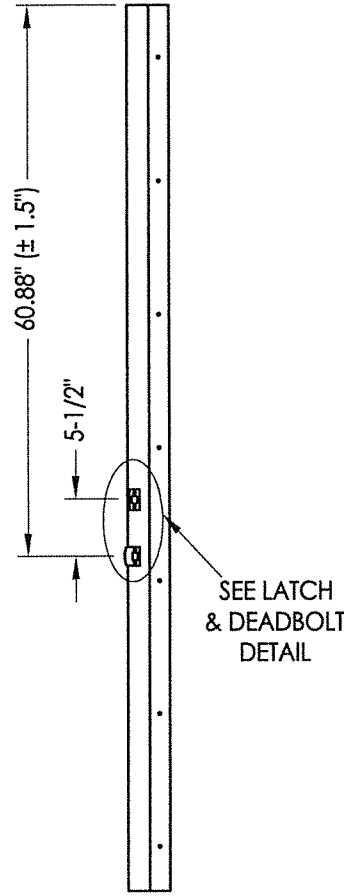


LATCH & DEADBOLT DETAIL
Kwikset

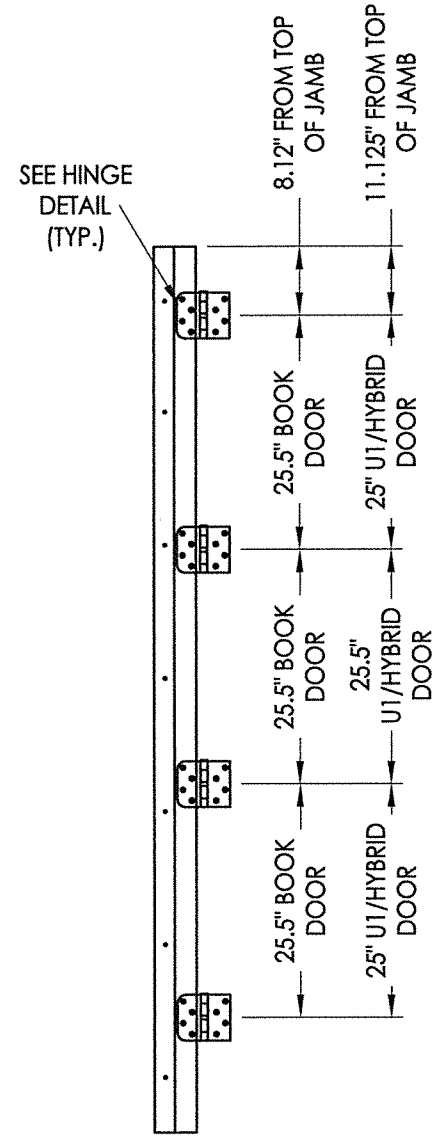


LATCH & DEADBOLT DETAIL
Schlage

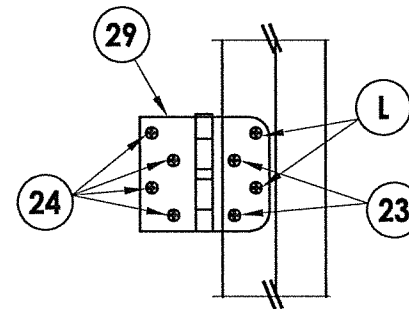
LATCH & DEADBOLT STRIKE DETAILS



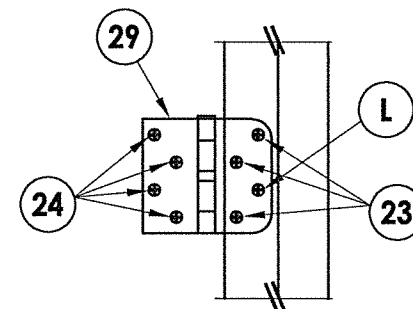
STRIKE JAMB
Latch & Deadbolt



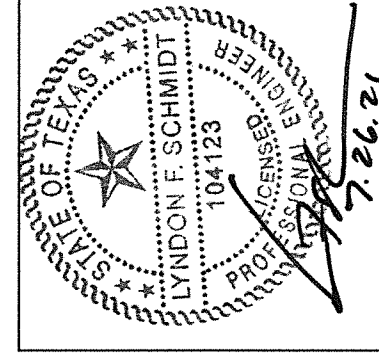
HINGE JAMB



HINGE DETAIL
Inswing



HINGE DETAIL
Outswing



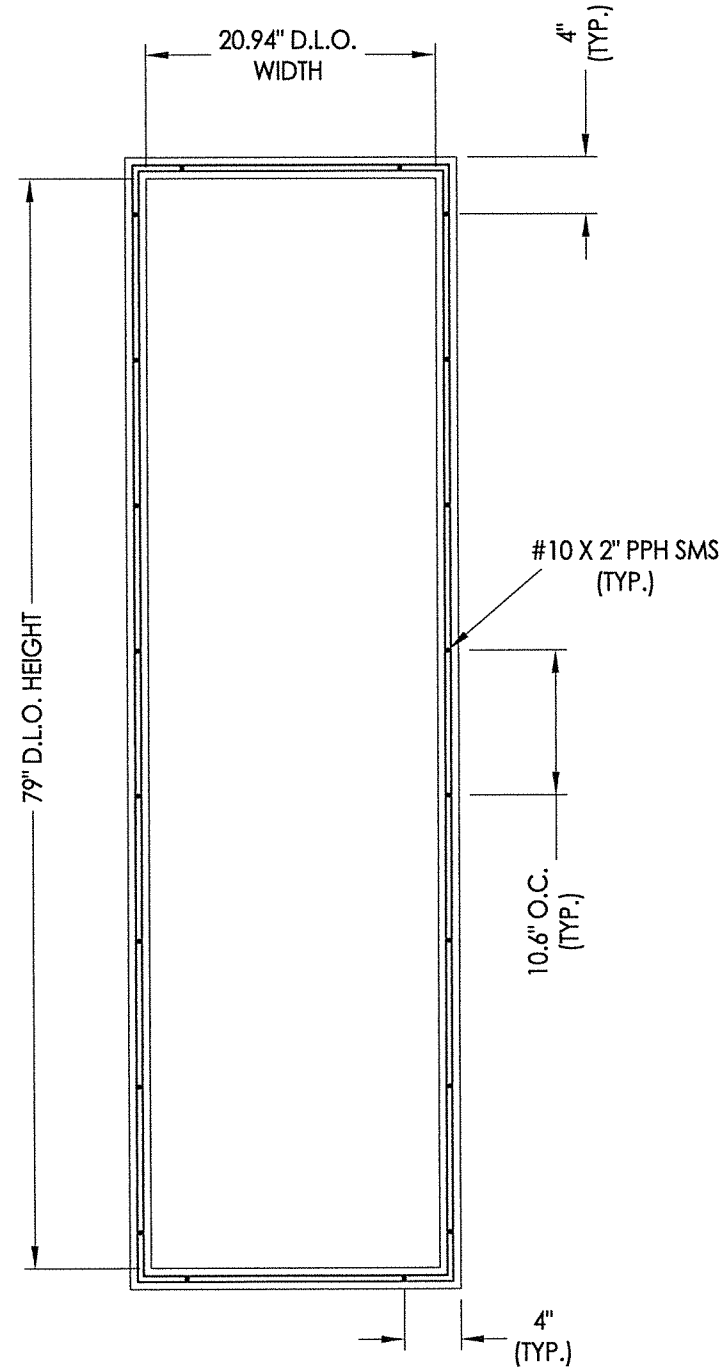
Documents Prepared By: Lyndon F. Schmidt, P.E.
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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

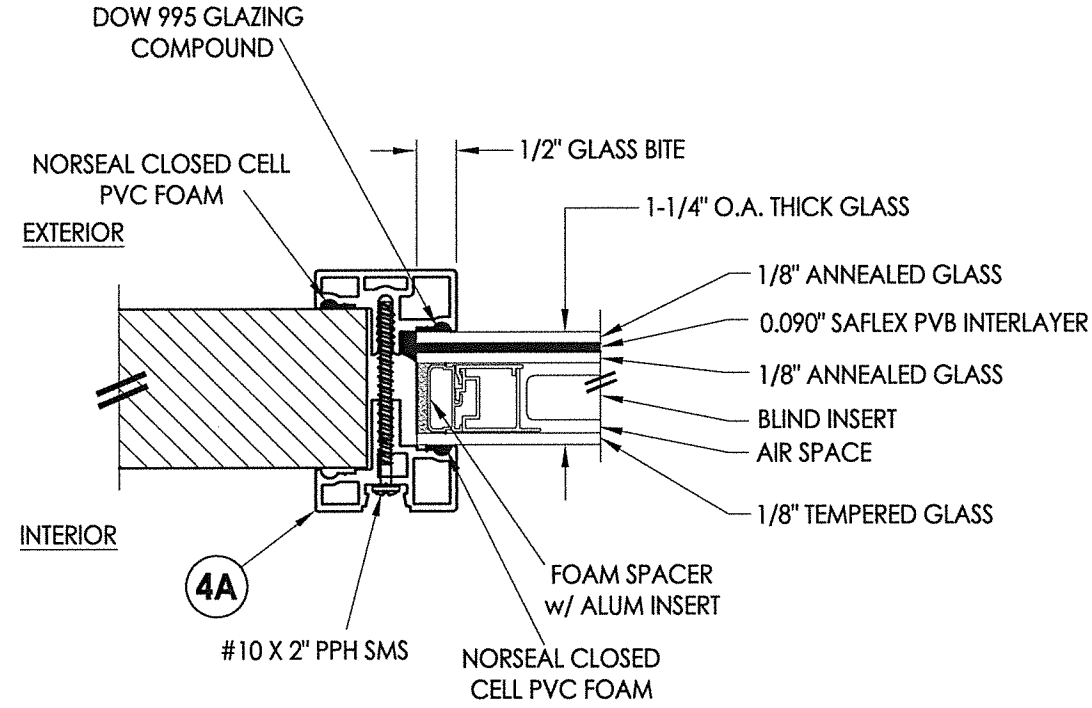
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	HARDWARE DETAILS

NO.	DATE	BY	REVISIONS

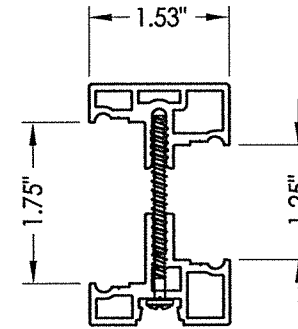
DATE:	7/21/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	TX-5227
SHEET	7 OF 9



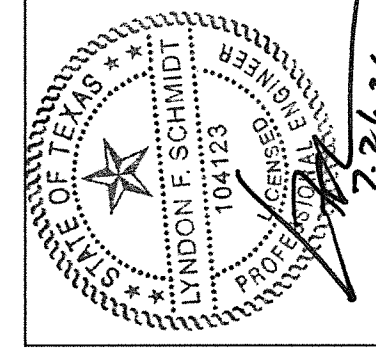
8'-0" LITE FRAME
ALUM. (6063-T5)



G1 GLAZING DETAIL
1-1/4" Insulated Laminated Glass
w/ Internal Blinds



4A ALUMINUM IMPACT LITE FRAME



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Phone No.: 813.659.9197

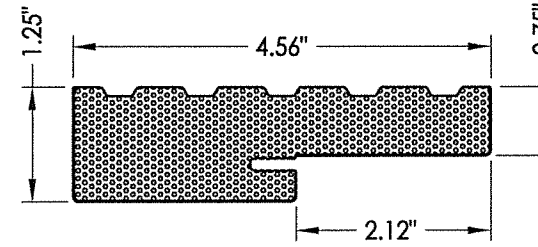
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	LITE FRAME & GLAZING DETAILS

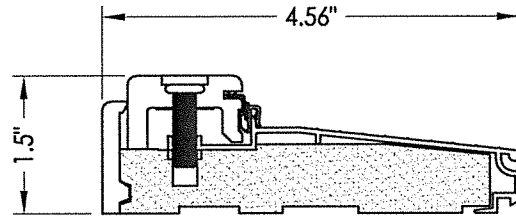
NO.	DATE	BY	REVISIONS

DATE:	7/21/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	TX-5227
SHEET	8 OF 9

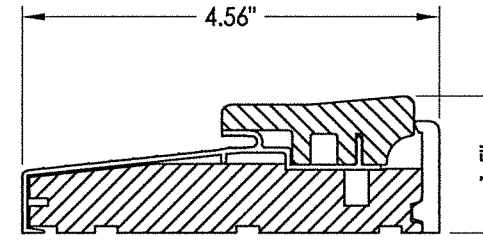
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
1	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
20	#8 X 2-1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
22	#8 X 3/4" PFH WOOD SCREW	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
24	#9 X 1" PFH WOOD SCREW	STEEL
26	#8 X 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
28A	DEADBOLT SUB-STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	OUTSWING THRESHOLD	ALUM/COMP
34	PUBLIC ACCESS THRESHOLD	ALUM
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-



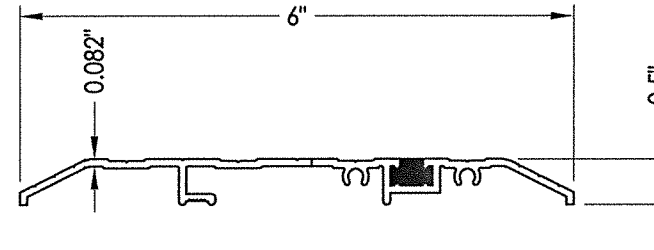
1 COMPOSITE JAMB



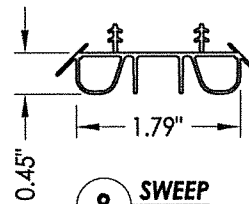
32 INSWING THRESHOLD
Adjustable Composite Sill



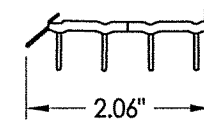
33 OUTSWING THRESHOLD
Composite Sill



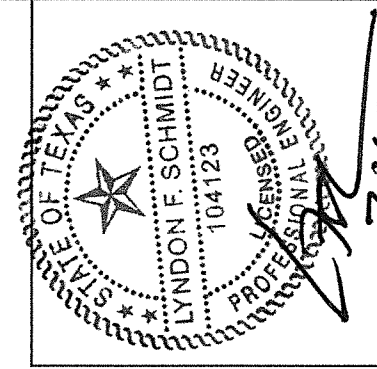
34 PUBLIC ACCESS THRESHOLD



8 SWEEP



9 SWEEP



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

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY	REVISIONS

DATE:	7/21/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	TX-5227
SHEET	9 OF 9