

Z:\Clients\Therma Tru PERMANENT\B - Texas Dept of Ins\TDI - DR XXX - 68, 7' & 8' CC Opaque FG NonImp IS Dir Set Sidelites (TX 5152-5157)\C - Drawings\TX-5154-55.dwg

THERMA-TRU® DOORS

Classic-Craft®

OPAQUE FIBERGLASS SINGLE DOOR w/ DIRECT SET SIDELITE(S) IN SWING "NON-IMPACT"

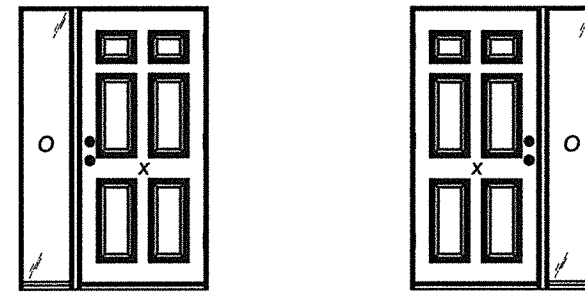
EVALUATED FOR USE IN THE STATE OF TEXAS

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. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
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.

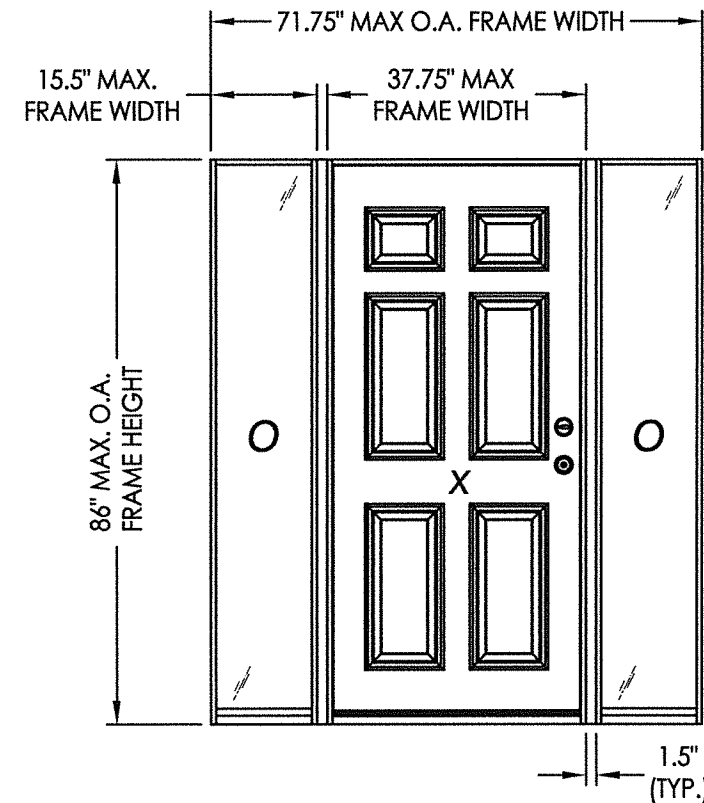
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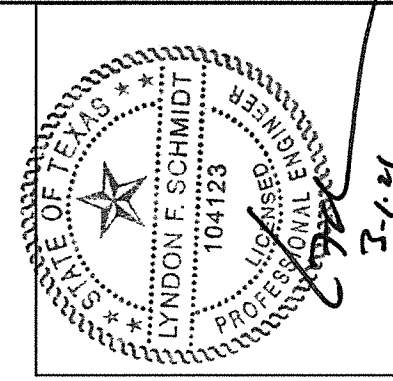


OX

XO



CONFIGURATION	2X REINFORCEMENT REQUIRED	DESIGN PRESSURE (PSF) w/ FJ PINE JAMBS		DESIGN PRESSURE (PSF) w/ COMPOSITE JAMBS	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	NO	+55.0	-60.0	+35.0	-45.0
	YES	+70.0	-75.0	+60.0	-65.0



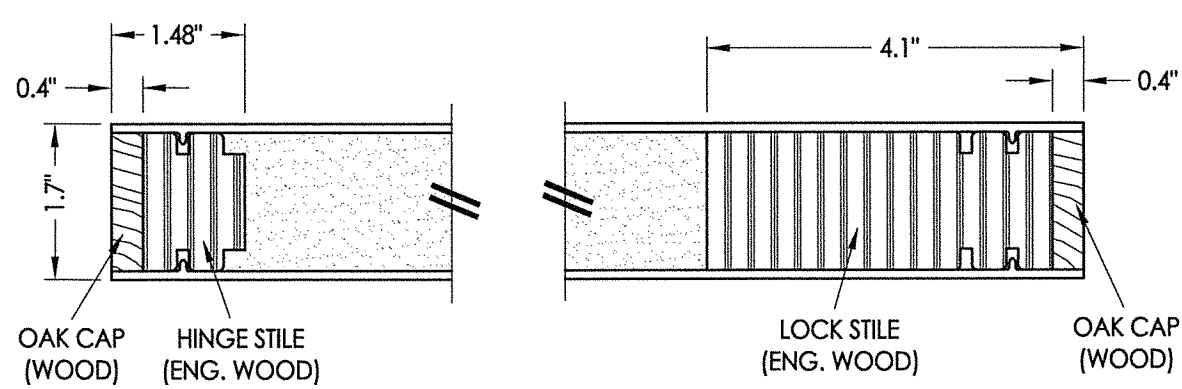
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

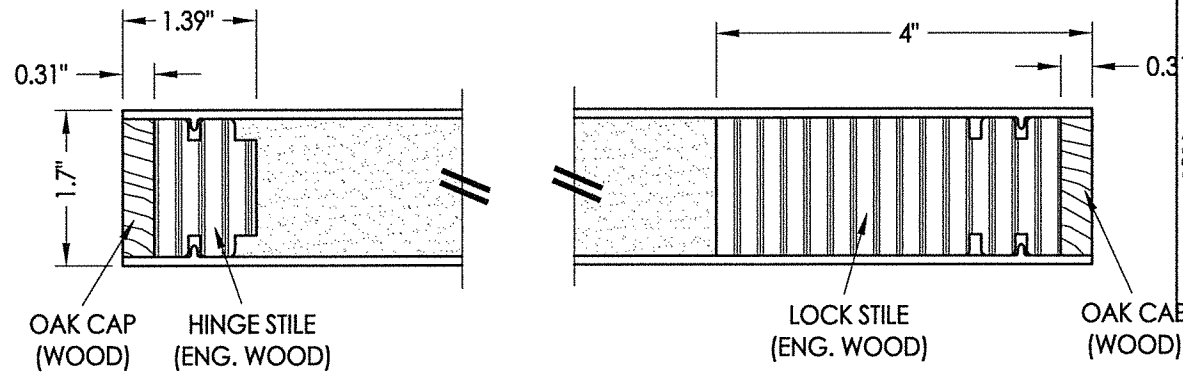
PRODUCT: THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

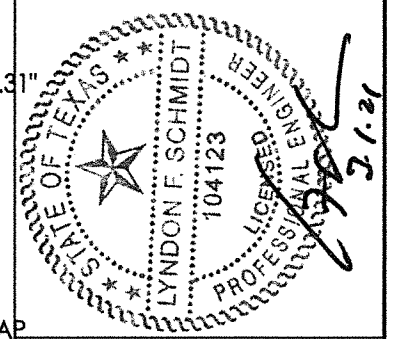
DATE: 1/06/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5154
SHEET 1 OF 9



1
2 HORIZONTAL CROSS SECTION

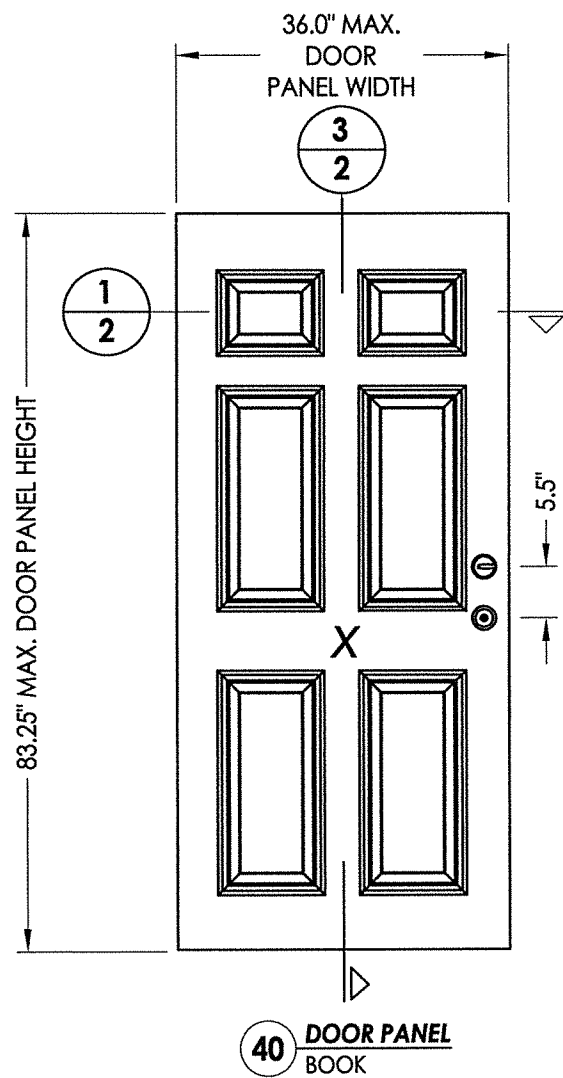


2
2 HORIZONTAL CROSS SECTION

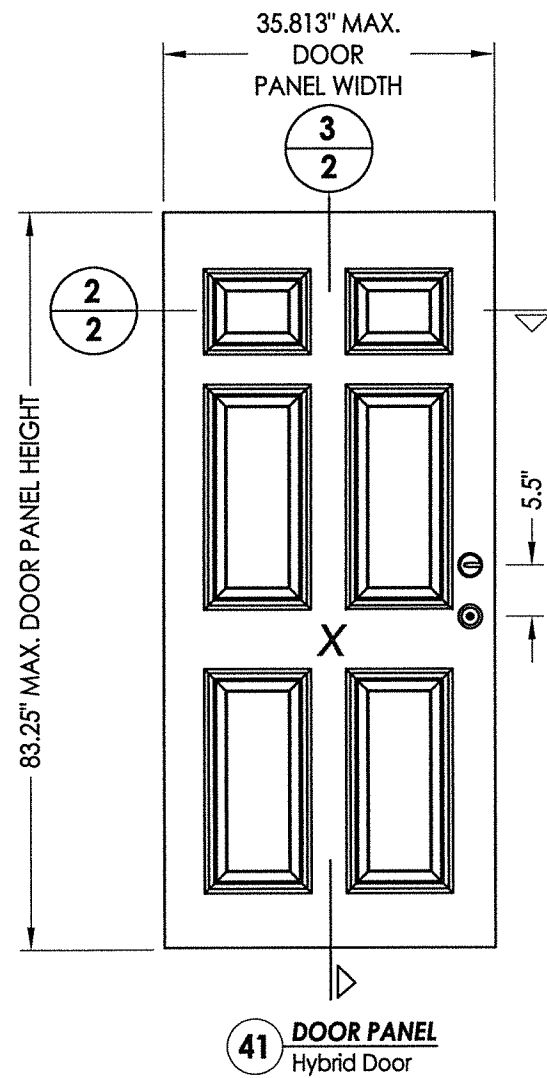


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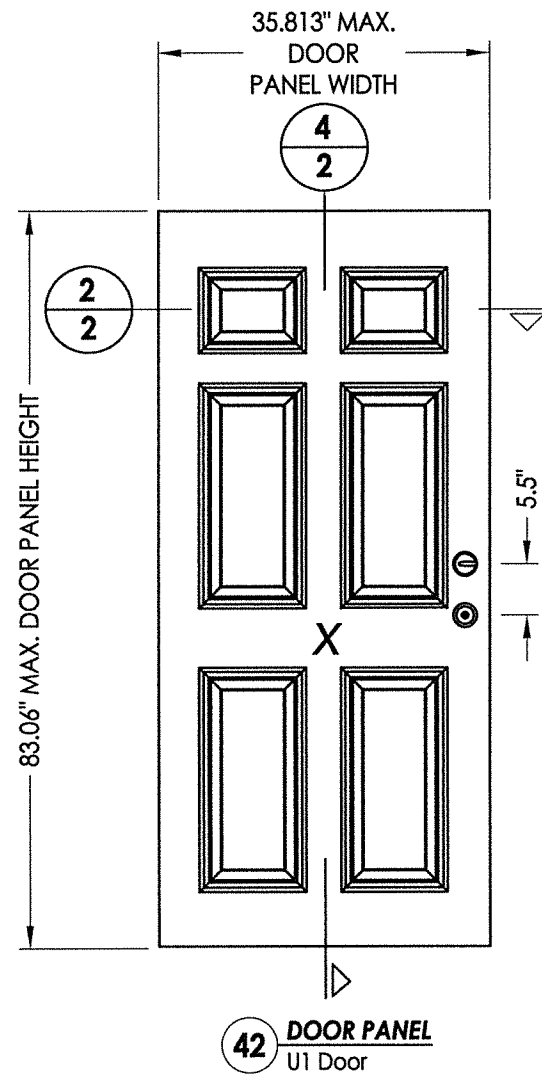
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CERTIFICATE OF REGISTRATION # F-11852



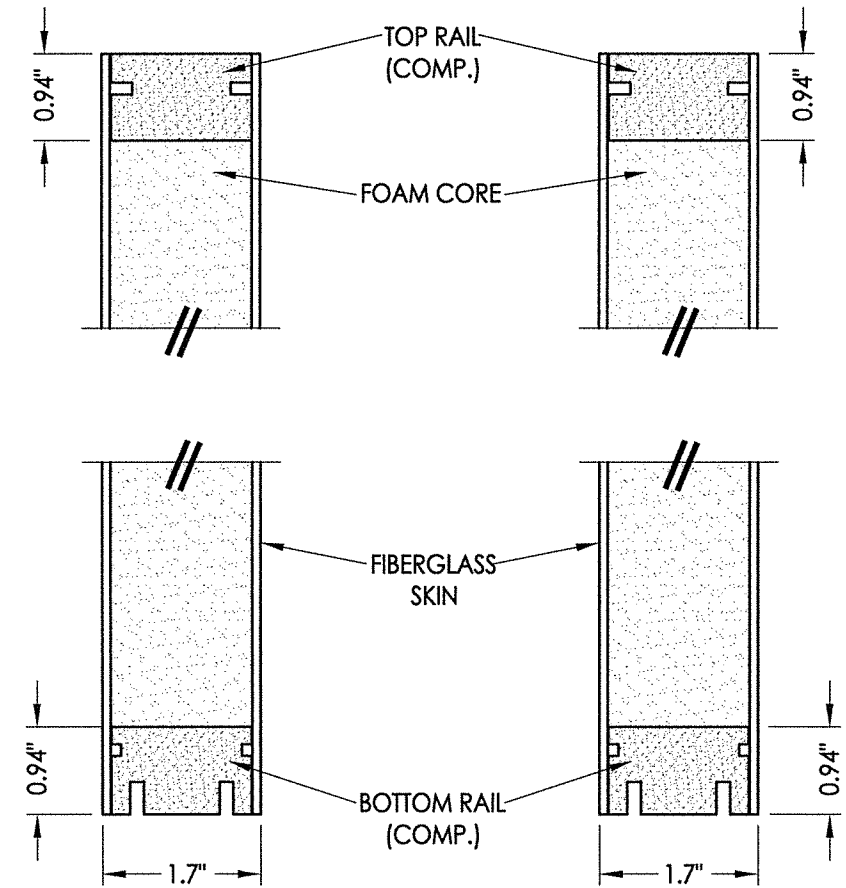
40 DOOR PANEL BOOK



41 DOOR PANEL Hybrid Door



42 DOOR PANEL UI Door



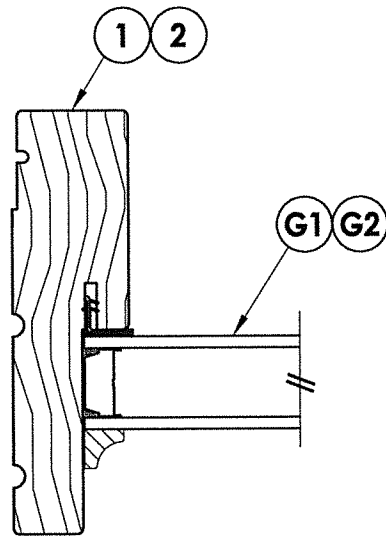
3
2 VERTICAL CROSS SECTION

4
2 VERTICAL CROSS SECTION

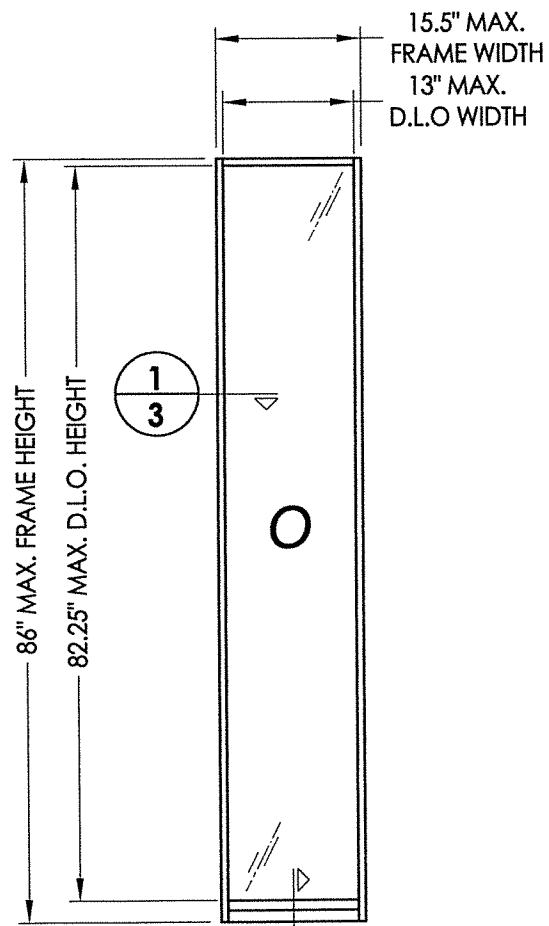
"Classic Craft" SERIES DOOR PANEL
FIBERGLASS DOOR SKIN: 0.095" MIN. THK.
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

PRODUCT:	Therma-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:	DOOR PANEL DETAILS	
NO.	DATE	BY
REVISIONS		
DATE:	1/06/21	
SCALE:	N.T.S.	
DWG. BY:	RW	
CHK. BY:	LFS	
DRAWING NO.:	TX-5154	
SHEET	2	OF 9

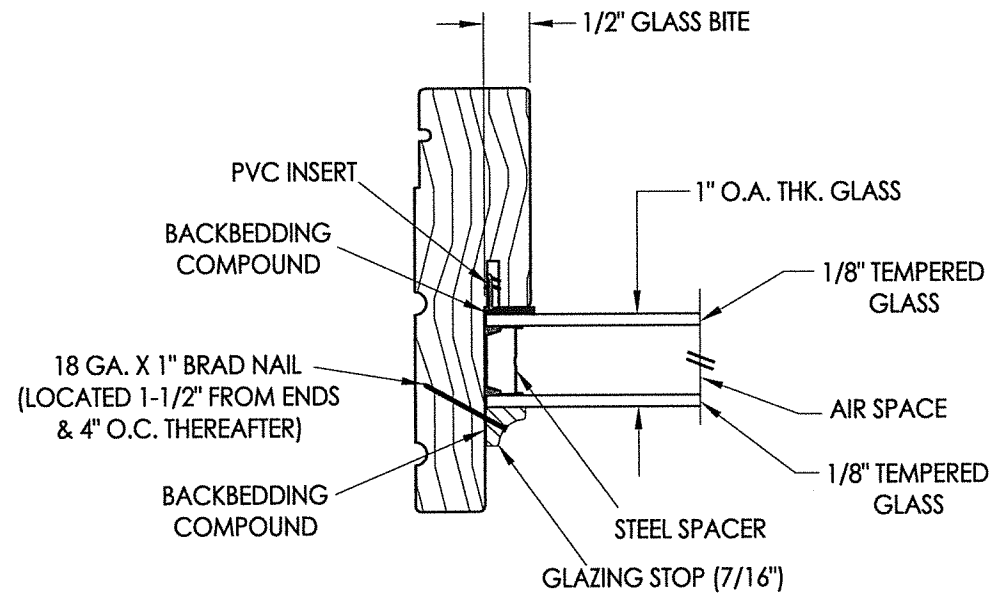
Z:\Clients\Therma Tru PERMANENT\B - Texas Dept of Ins\TDI - DR XXX - 68, 7' & 8' CC Opaque FG NonImp IS Dir Set Sidelites (TX 5152-5157)\C - Drawings\TX-5154-55.dwg



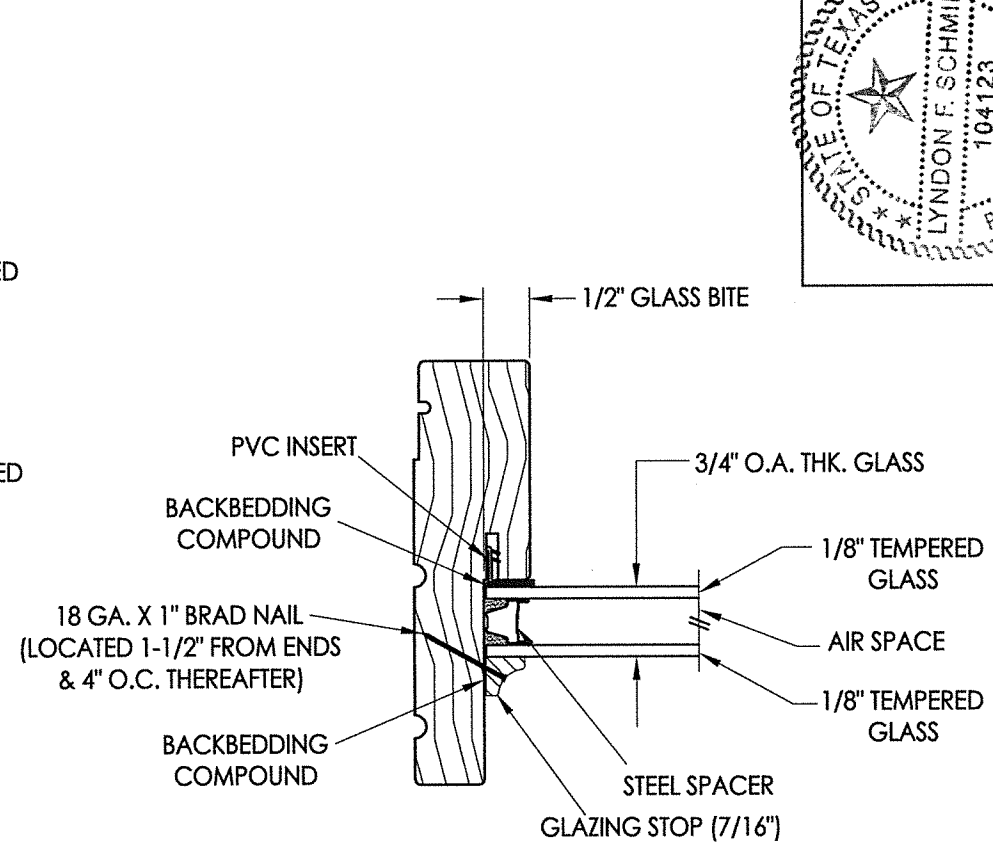
1
3 HORIZONTAL CROSS SECTION



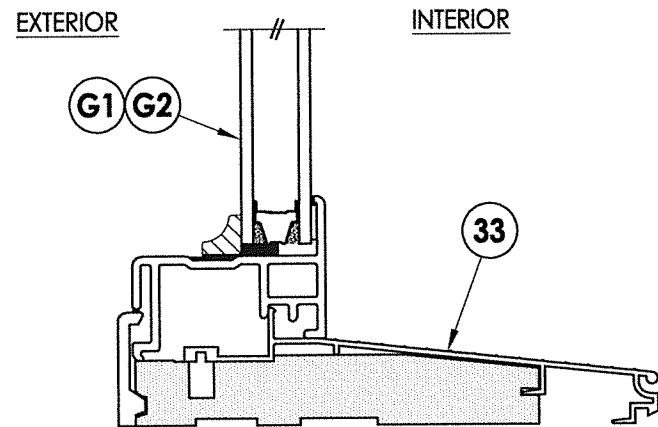
50 DIRECT SET SIDELITE FRAME



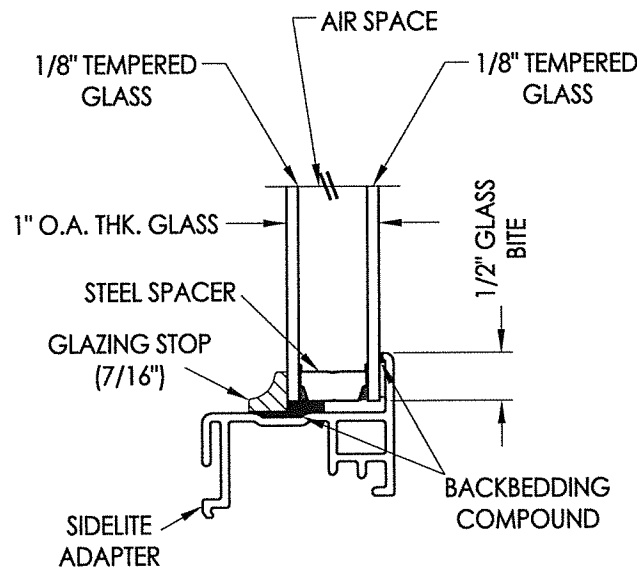
G1 GLAZING DETAIL
1" Insulated Glass



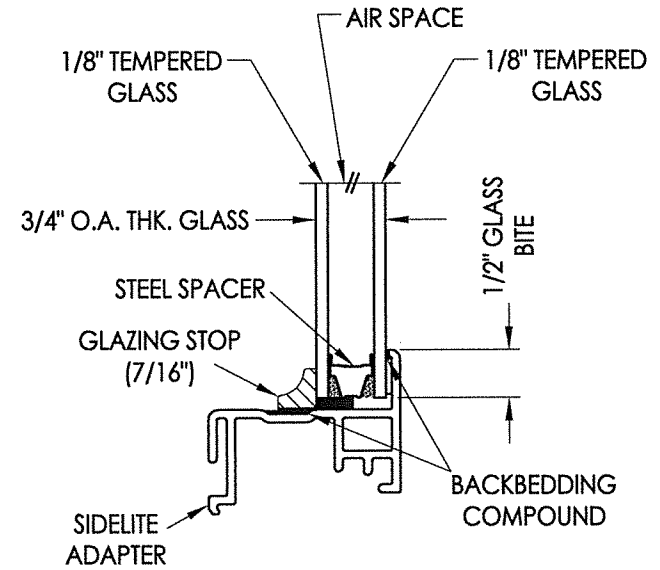
G2 GLAZING DETAIL
3/4" Insulated Glass



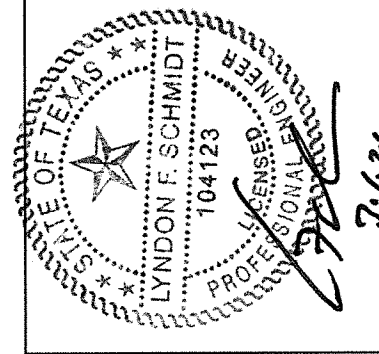
2
3 VERTICAL CROSS SECTION



G1 GLAZING DETAIL
1" Insulated Glass



G2 GLAZING DETAIL
3/4" Insulated Glass



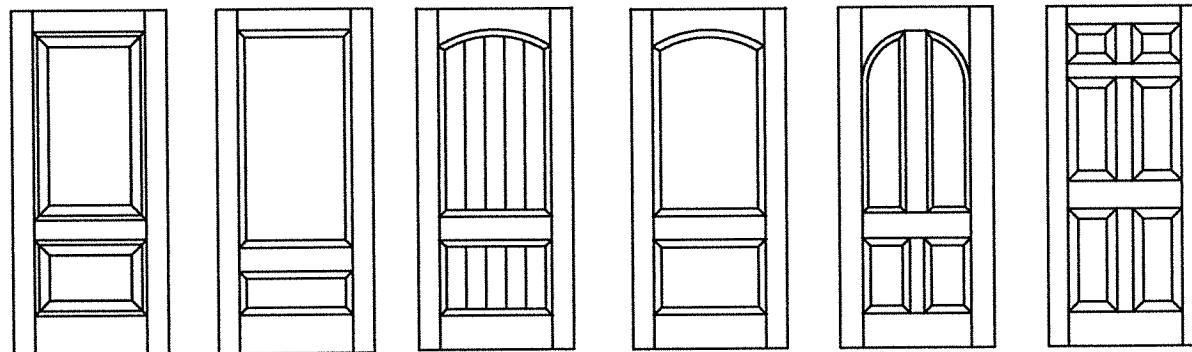
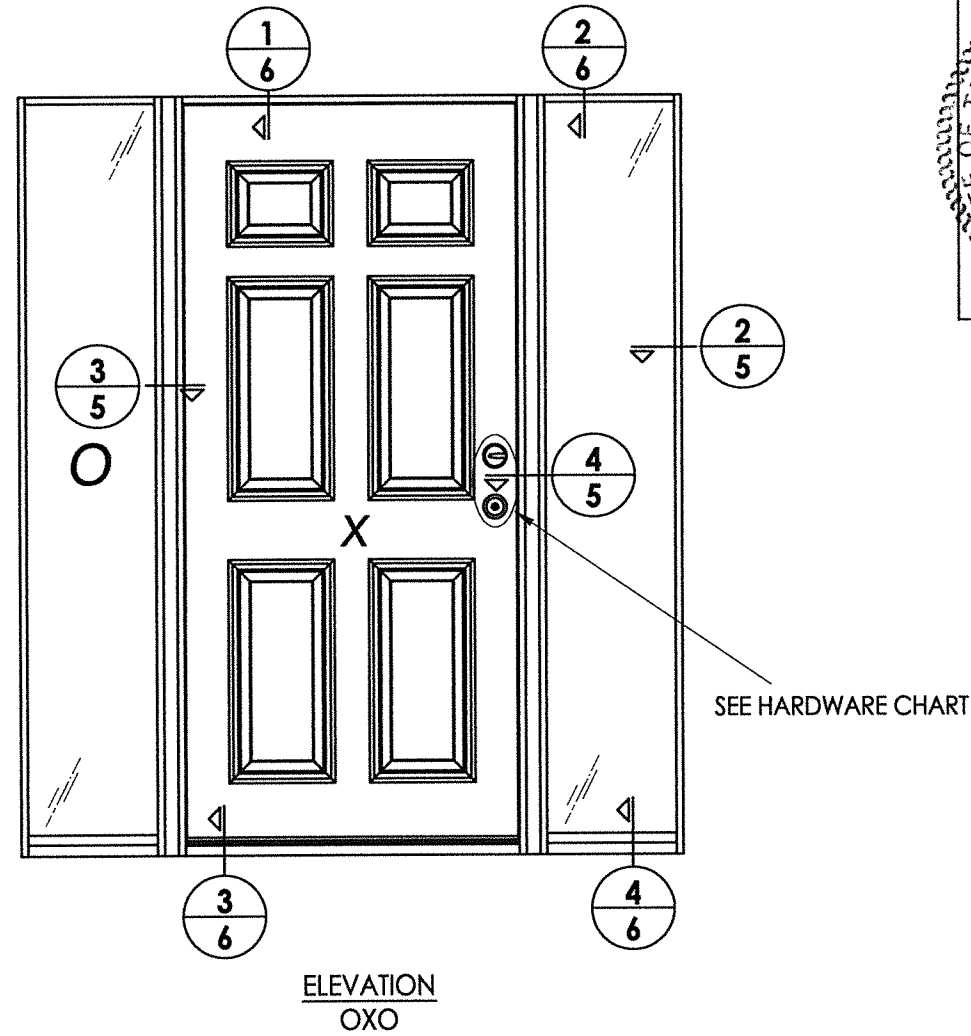
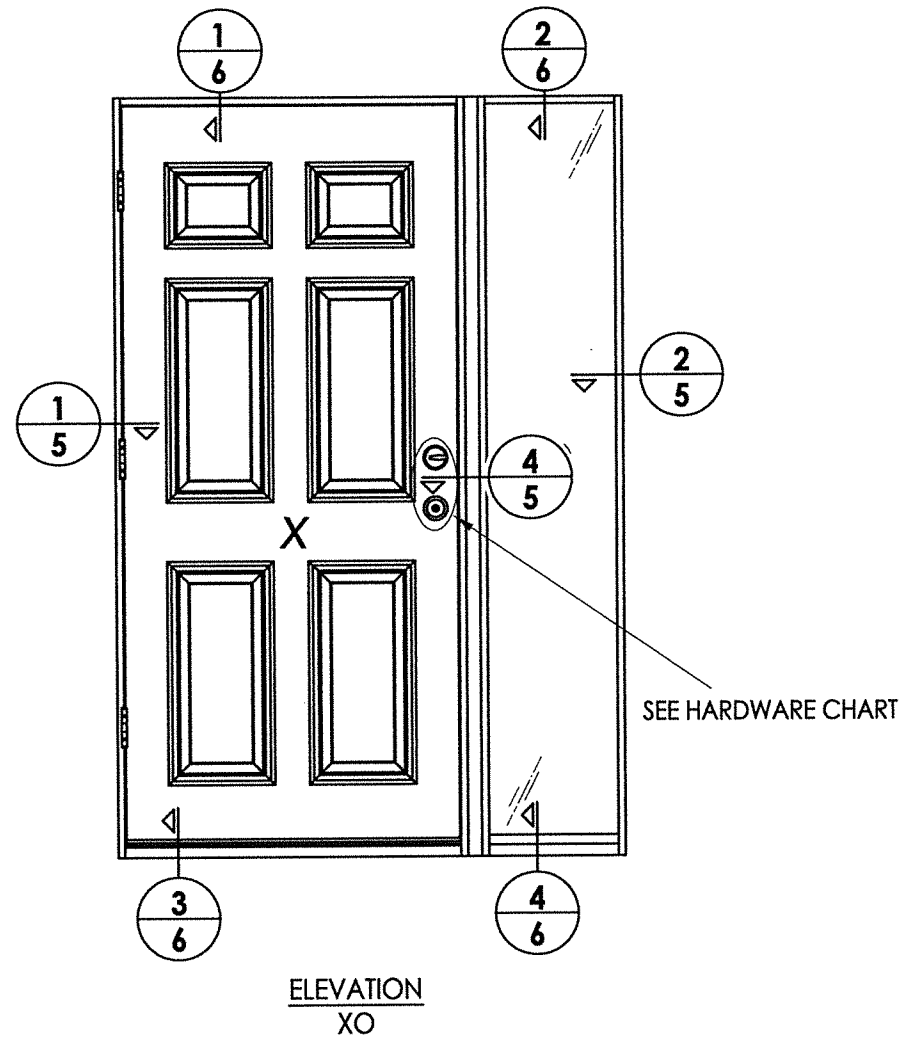
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY: SIDELITE PANEL DETAILS

NO.	DATE	BY

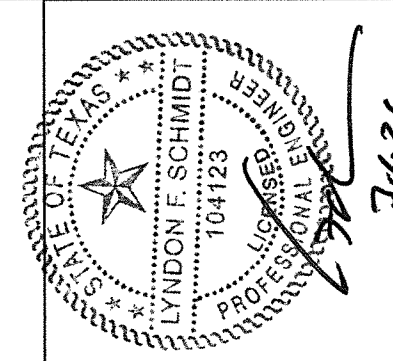
DATE: 1/06/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5154
SHEET 3 OF 9



Classic Craft Door Panel Options

Panel options shown are for illustration and are representative only
(similar opaque panel configurations are allowed)

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



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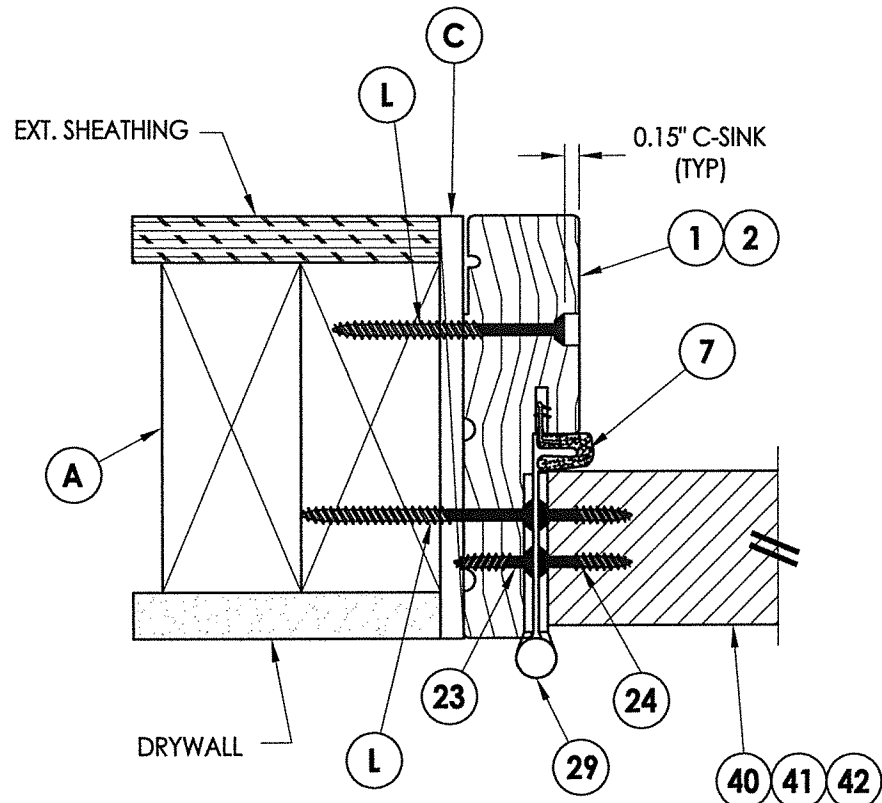
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS
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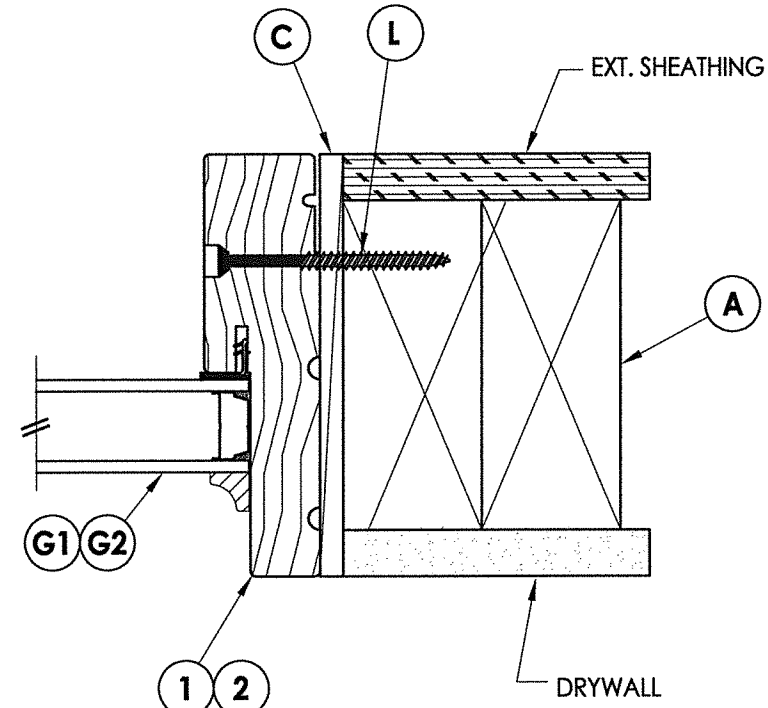
PRODUCT: THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	BY	REVISIONS

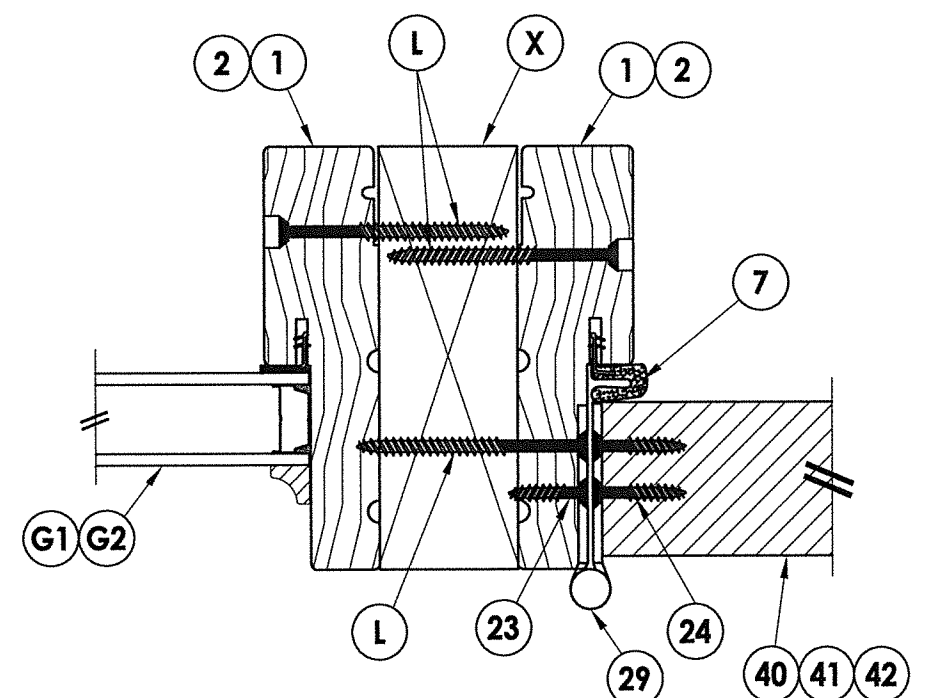
DATE: 1/06/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5154
SHEET 4 OF 9



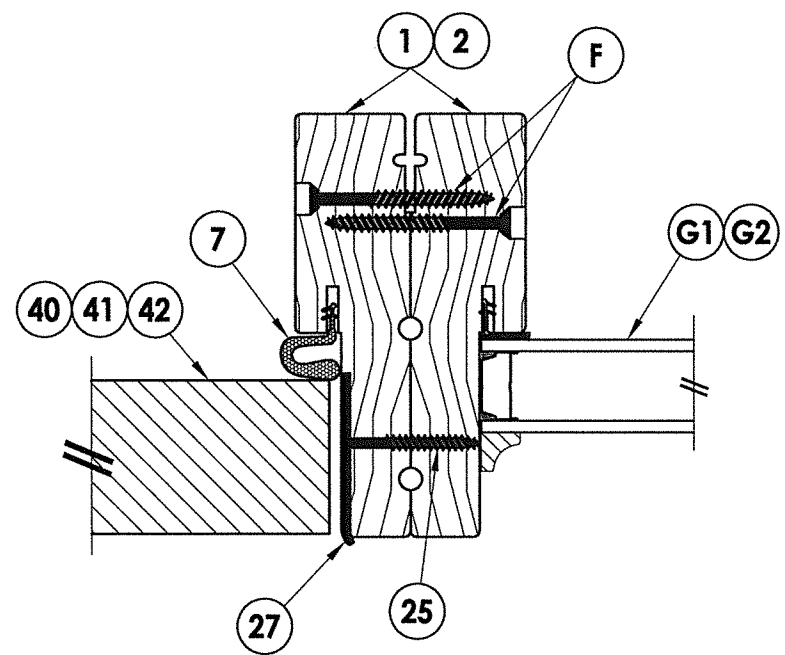
1
5 HORIZONTAL CROSS SECTION



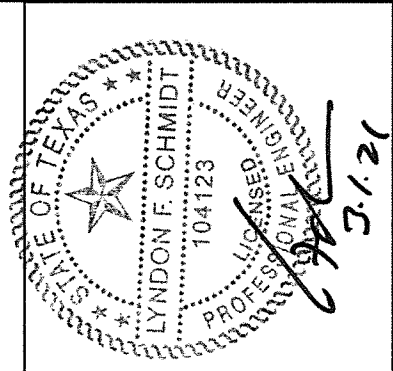
2
5 HORIZONTAL CROSS SECTION



3
5 HORIZONTAL CROSS SECTION
Shown w/ 2X Reinforcement



4
5 HORIZONTAL CROSS SECTION
Shown w/ Back-to-Back Jamb



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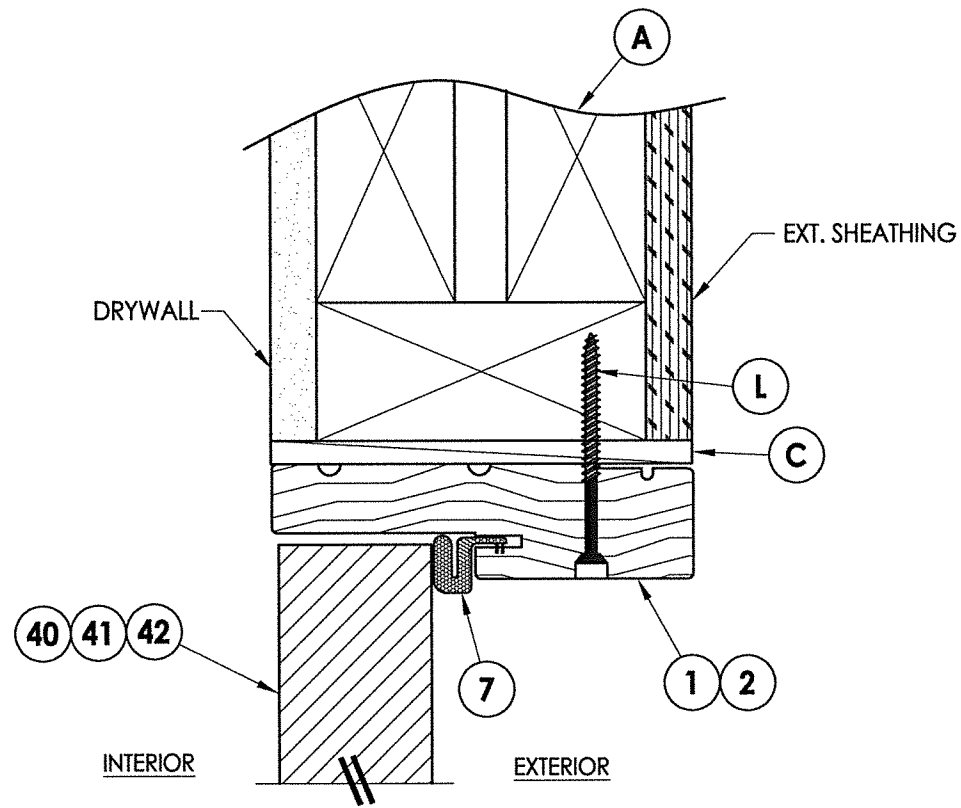
RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

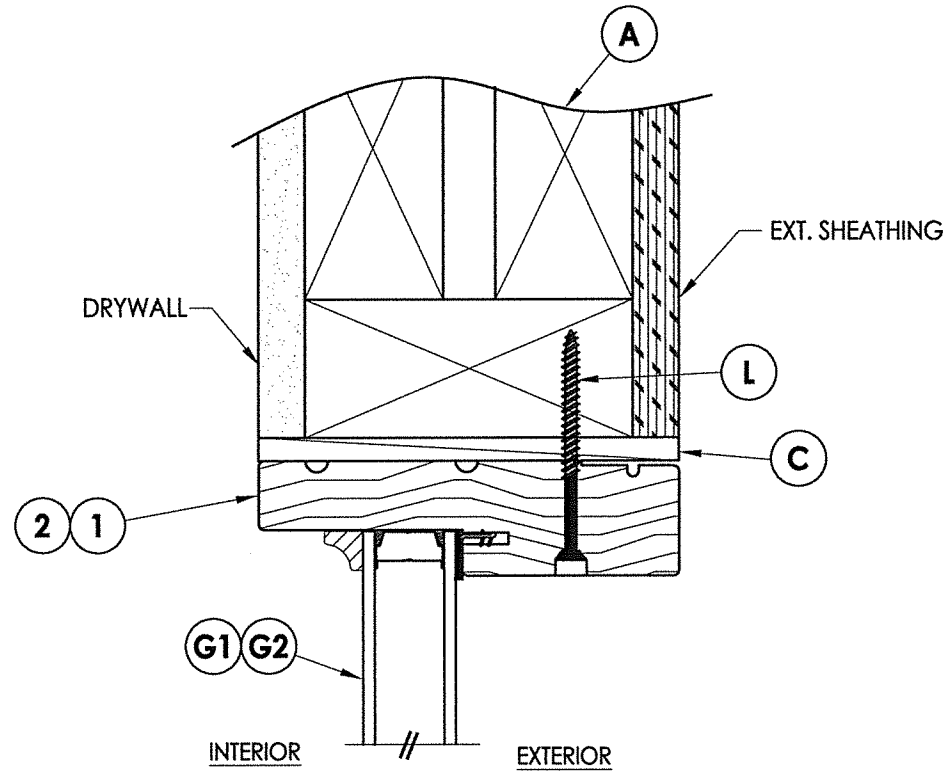
NO.	DATE	BY	REVISIONS

DATE: 1/06/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5154
SHEET 5 OF 9

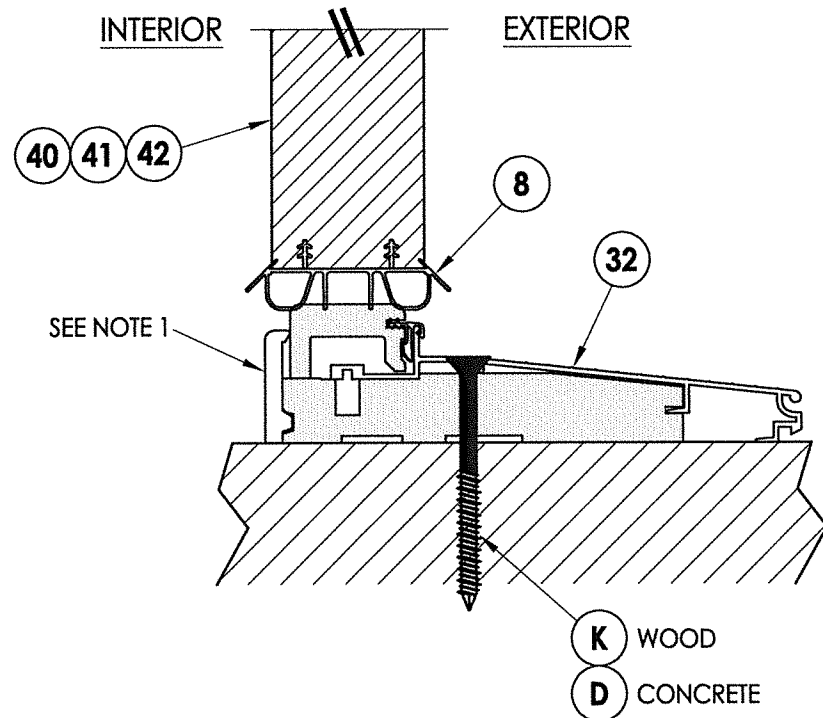
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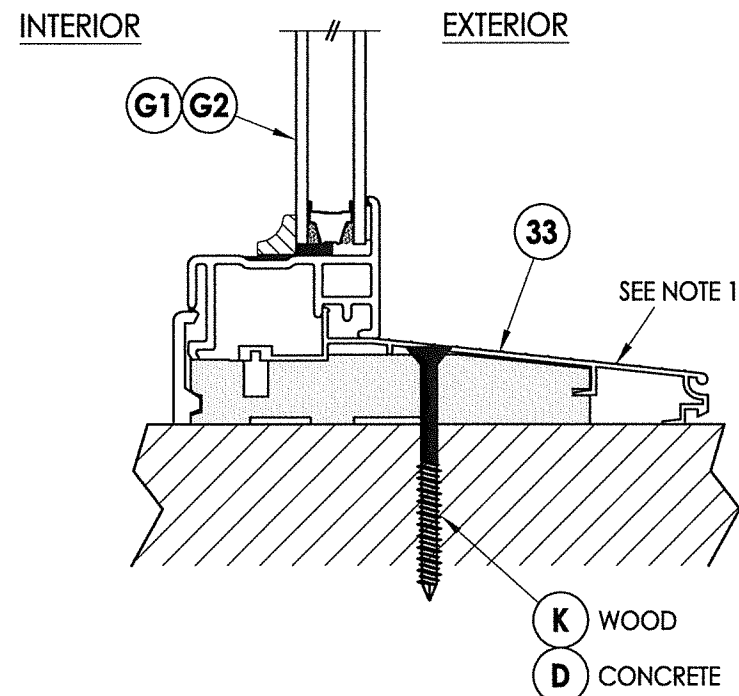
1
6 VERTICAL CROSS SECTION



2
6 VERTICAL CROSS SECTION

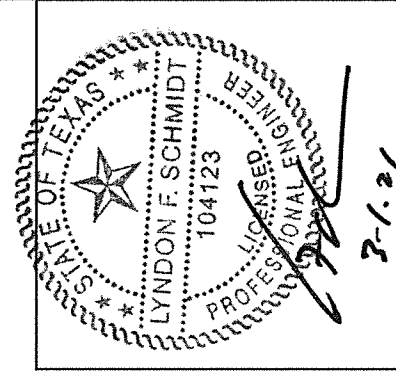


3
6 VERTICAL CROSS SECTION
Inswing Sill



4
6 VERTICAL CROSS SECTION
Inswing Sill

Note:
1. Sill Item #'s 32 & 33 are attached to jambs
w/ (3) #8 X 2-1/2" FH screws at each end.



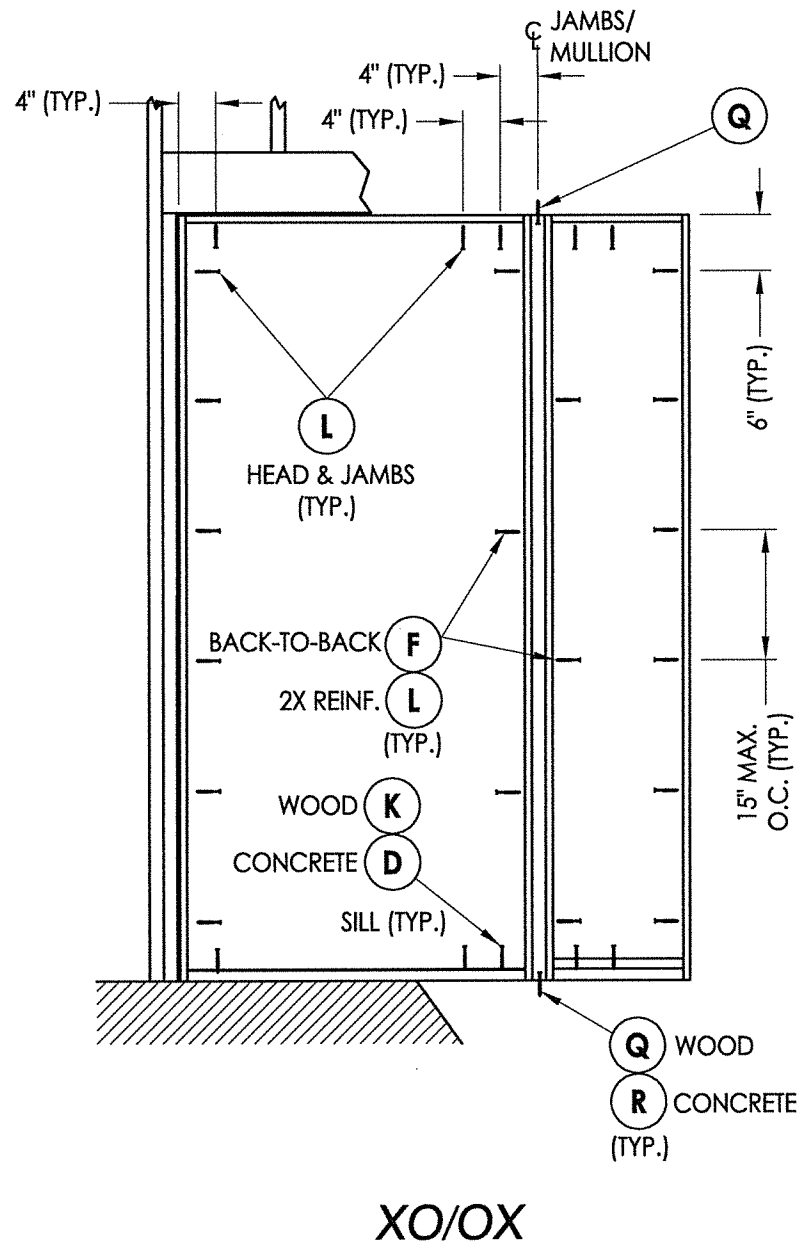
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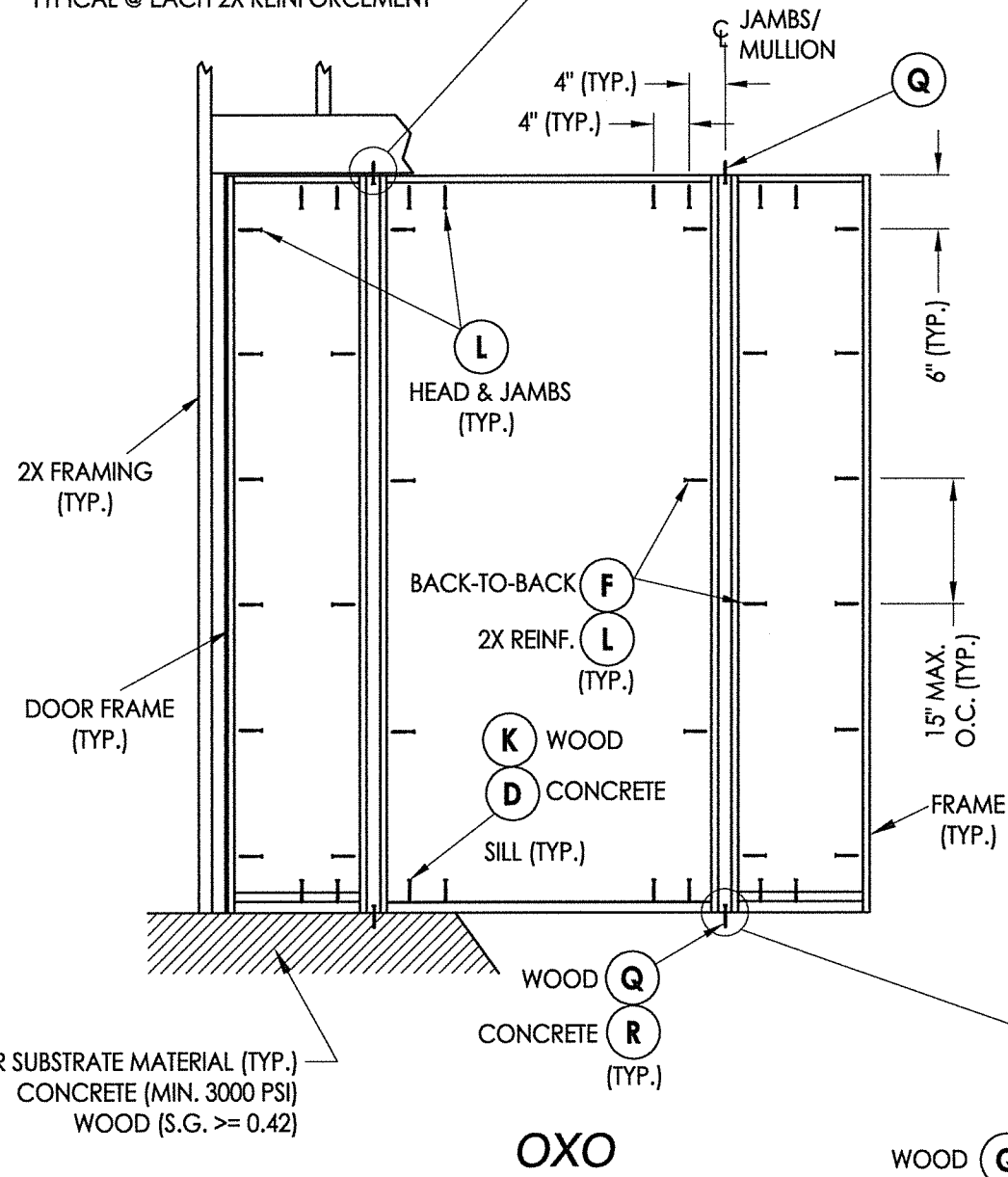
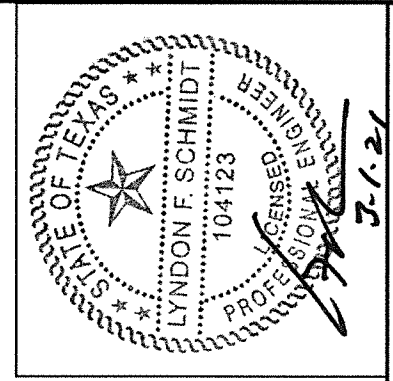
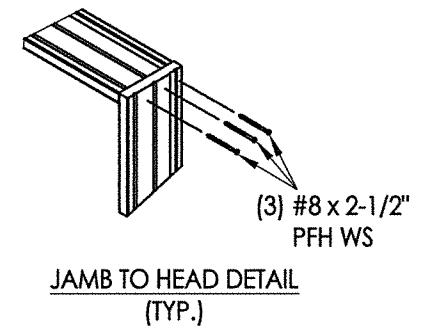
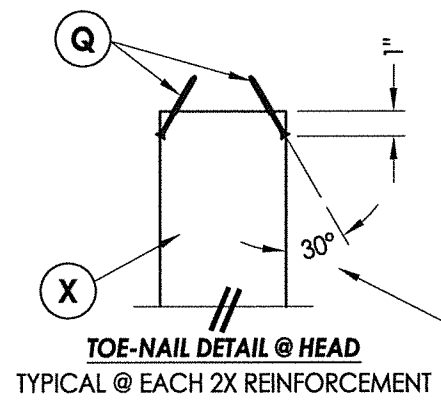
PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY: VERTICAL
CROSS SECTIONS

NO.	DATE	BY	REVISIONS

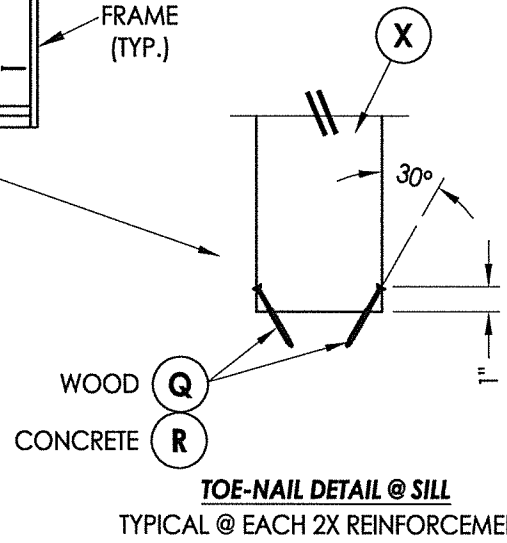
DATE: 1/06/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5154
SHEET 6 OF 9



XO/OX



OXO



FRAME ANCHORING

FLOOR SUBSTRATE MATERIAL (TYP.)
CONCRETE (MIN. 3000 PSI)
WOOD (S.G. >= 0.42)

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PRODUCT: THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	BY	REVISIONS

DATE: 1/06/21

SCALE: N.T.S.

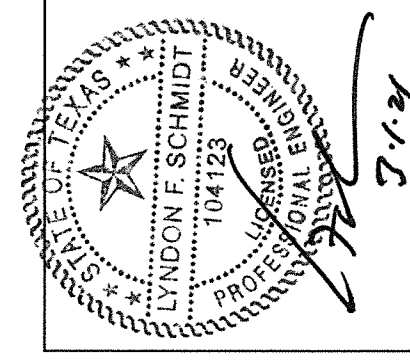
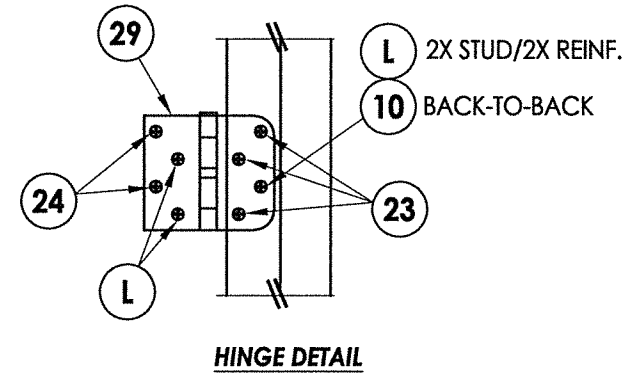
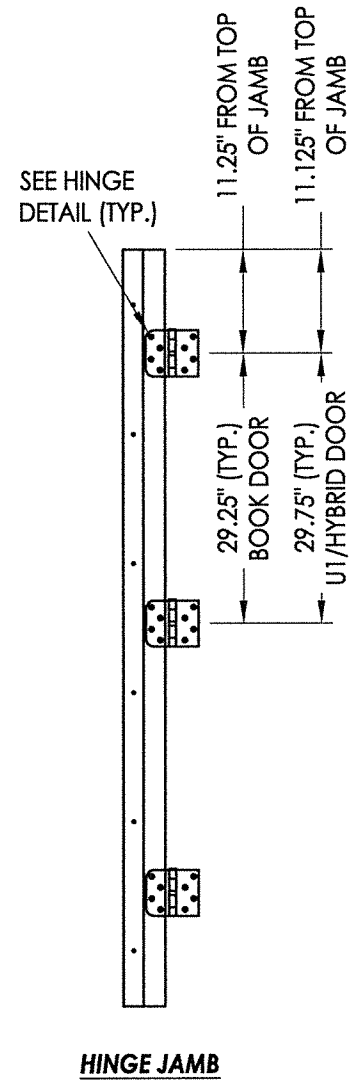
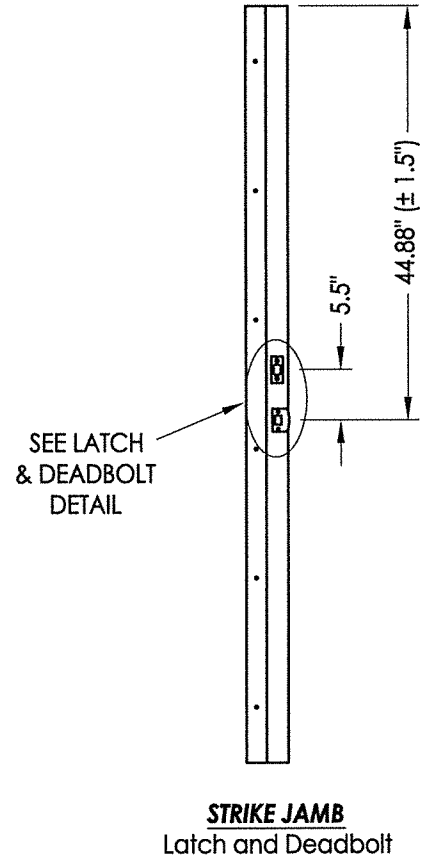
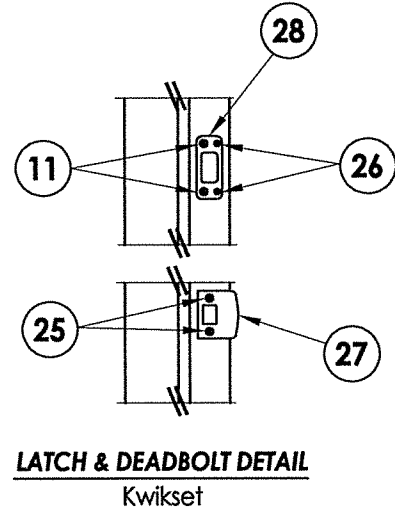
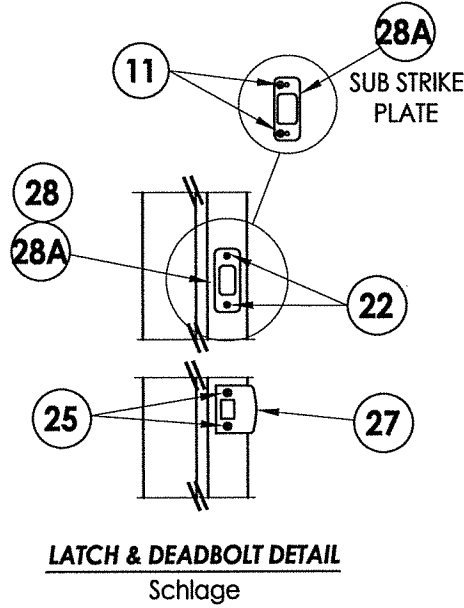
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: TX-5154

SHEET 7 OF 9

LATCH & DEADBOLT STRIKE DETAILS



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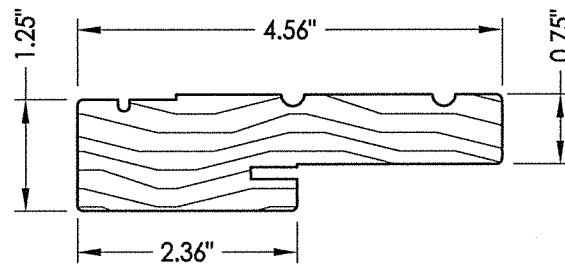
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CERTIFICATE OF REGISTRATION # F-11852

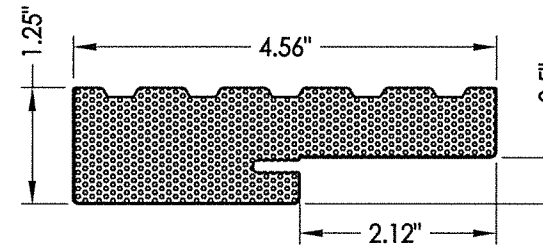
PRODUCT: THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY: HARDWARE DETAILS	
NO.	DATE
BY	BY
REVISIONS	
DATE: 1/06/21	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: TX-5154	
SHEET 8	OF 9

Z:\Clients\Therma Tru PERMANENT\B - Texas Dept of Ins\TDI - DR XXX - 6'8, 7' & 8' CC Opaque FG NonImp IS Dir Set Sidelites (TX 5152-5157)\C - Drawings\TX-5154-55.dwg

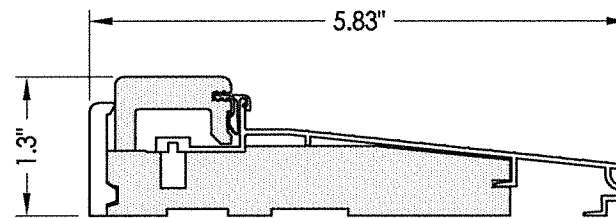
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
F	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
Q	#10 X 3" PFH WOOD SCREW (1.75" MIN. EMBEDMENT)	STEEL
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
X	2X REINFORCEMENT (SG = 0.55)	WOOD
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
10	#10 X 1-1/2" PFH WOOD SCREW	STEEL
11	#12 X 1-1/2" 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
25	#8 X 1-1/2" 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	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-



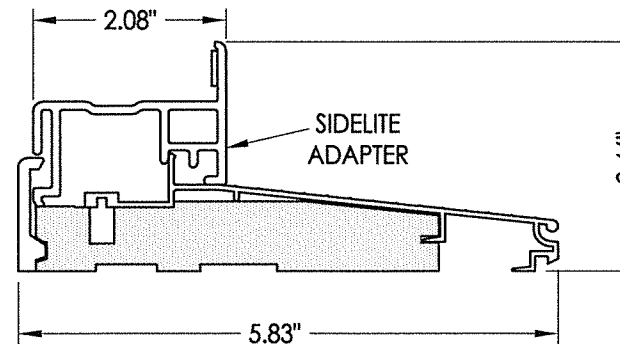
1 WOOD JAMB



2 COMPOSITE JAMB



32 INSWING THRESHOLD
Adjustable Composite Sill



33 INSWING THRESHOLD w/ SIDELITE ADAPTER
Composite Sill

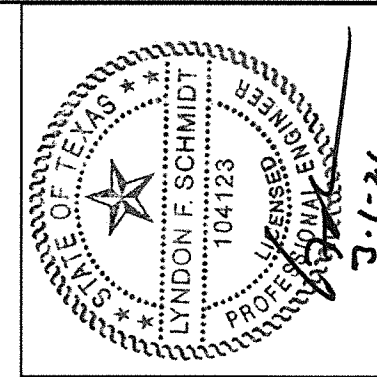
CONCRETE ANCHOR NOTES:

- 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 TAPCON®	1/4"	1-3/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-3/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



3-1-21

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 1/06/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: TX-5154
SHEET 9 OF 9