TAYLOR
Entrance Systems™
AMERICA'S DOORMAKER
631 N. FIRST ST. WEST BRANCH, MI 48661

TIMBERLINE DELUXE

OPAQUE FIBERGLASS SINGLE DOOR w/ or w/o SIDELITES

INSWING

"NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

The Fiberglass door described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) 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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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
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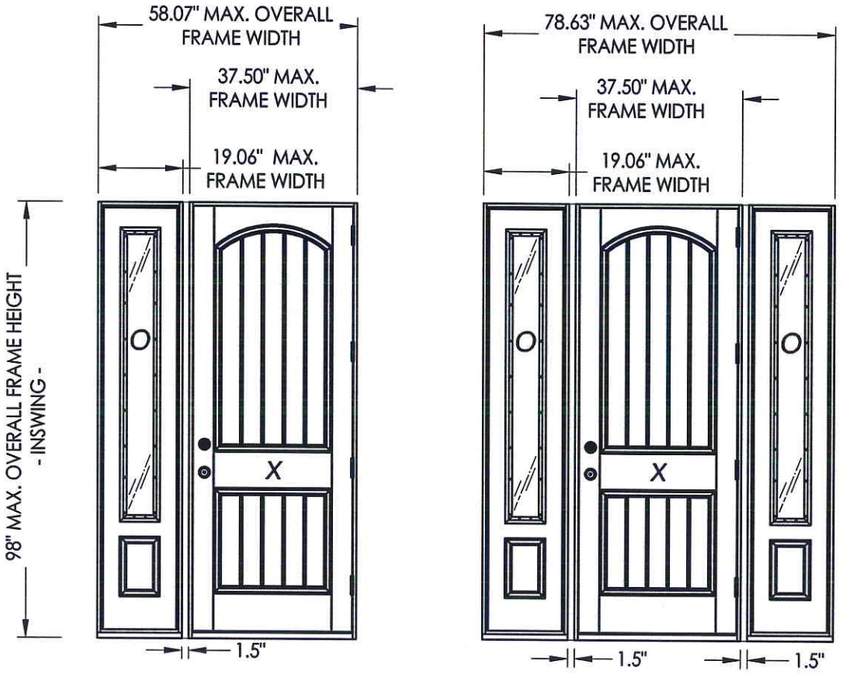
3	Sidelite panel details and glazing detail
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Vertical cross sections
8	Frame anchoring
9	Bill of materials and components



CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING	
			POSITIVE	NEGATIVE
OX / XO	58.07" x 98.00"	7.0" x 63.12"	+55.0	-60.0
OXO	78.63" x 98.00"	7.0" x 63.12"	+55.0	-60.0

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

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER

PRODUCT: TAYLOR FIBERGLASS DOOR

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

NO.	DATE	BY	REVISIONS

DATE: 11/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4516
SHEET 1 OF 9

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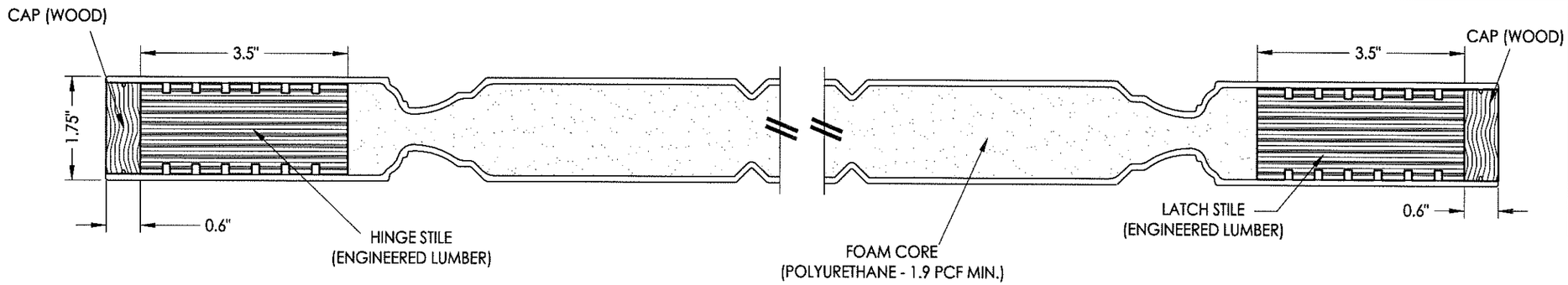
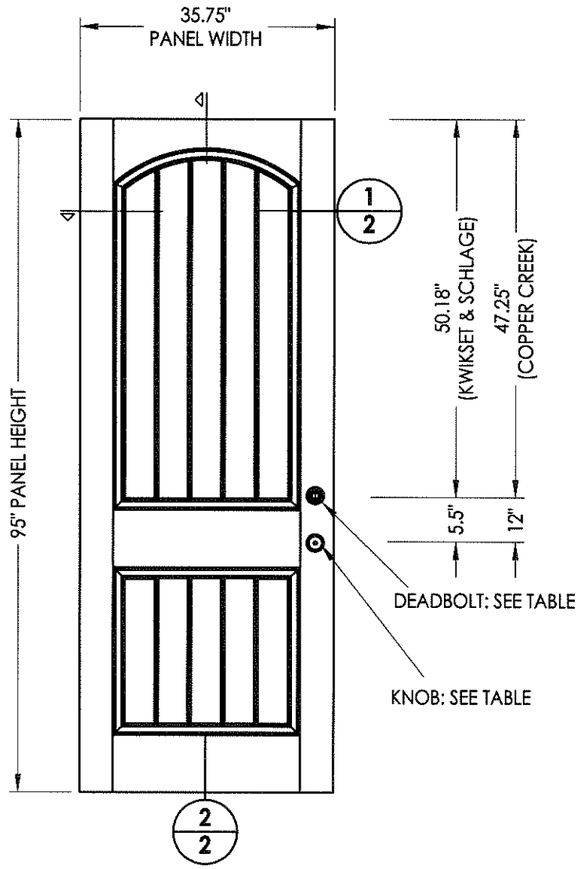
R:\Clients\Taylor Permanent\Texas Dept of Ins\TDI - DR 618 6'8 & 8'0 Opaque FG Doors Non-Impact\Drawings\Current\TX-4516-17.dwg, TX-4516

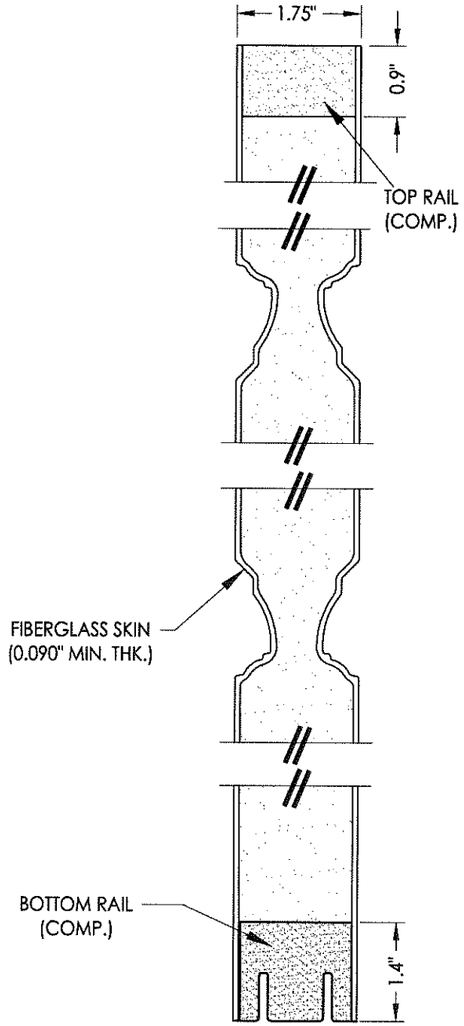


1/2 **HORIZONTAL CROSS SECTION**



40 **DOOR PANEL**
Taylor Door
w/ Mastergrain Fiberglass skins

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB: DEADBOLT:	KWIKSET SIGNATURE SERIES KWIKSET SIGNATURE SERIES (980)
SCHLAGE	KNOB: DEADBOLT:	"F" SERIES "B" SERIES
COPPER CREEK	KNOB: DEADBOLT:	E-SERIES E-SERIES



2/2 **VERTICAL CROSS SECTION**

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

PRODUCT: TAYLOR FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS AND GLAZING DETAIL

NO.	DATE	BY	REVISIONS

DATE: 11/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4516
SHEET 2 OF 9

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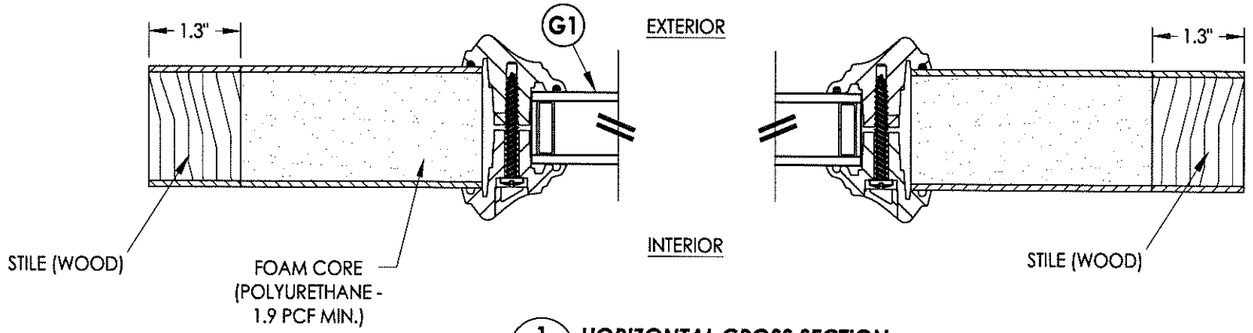
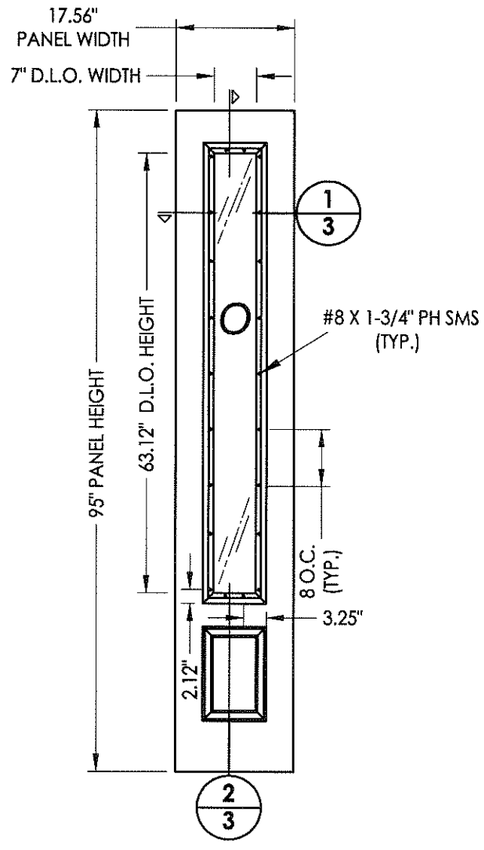
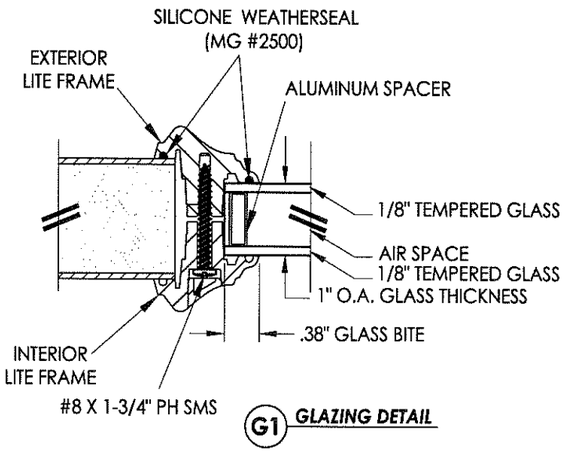


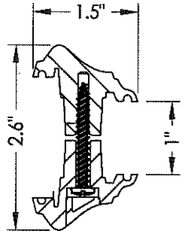
1/3 **HORIZONTAL CROSS SECTION**



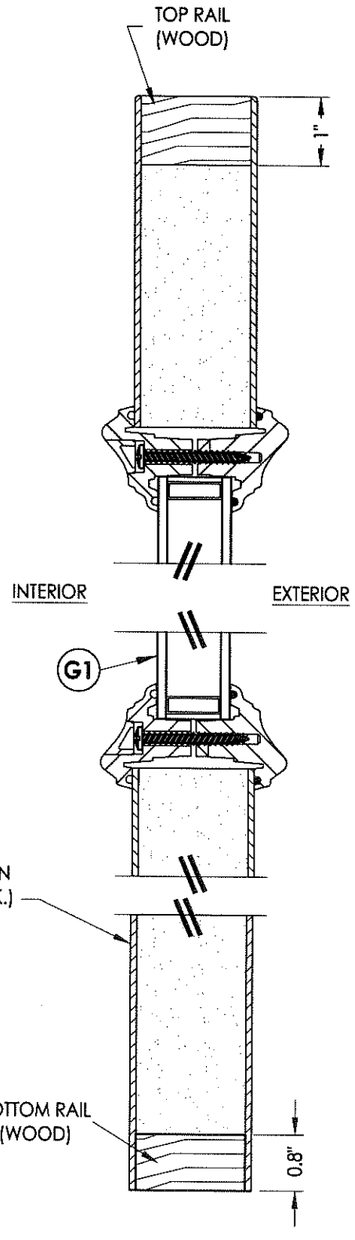
50 **SIDELITE PANEL**
Fiberglass



G1 **GLAZING DETAIL**



LITE FRAME
Polypropylene



2/3 **VERTICAL CROSS SECTION**

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11.26.14

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

PRODUCT: TAYLOR FIBERGLASS DOOR

PART OR ASSEMBLY: SIDELITE PANEL DETAILS AND GLAZING DETAIL

NO.	DATE	REVISIONS	BY

DATE: 11/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4516
SHEET 3 OF 9

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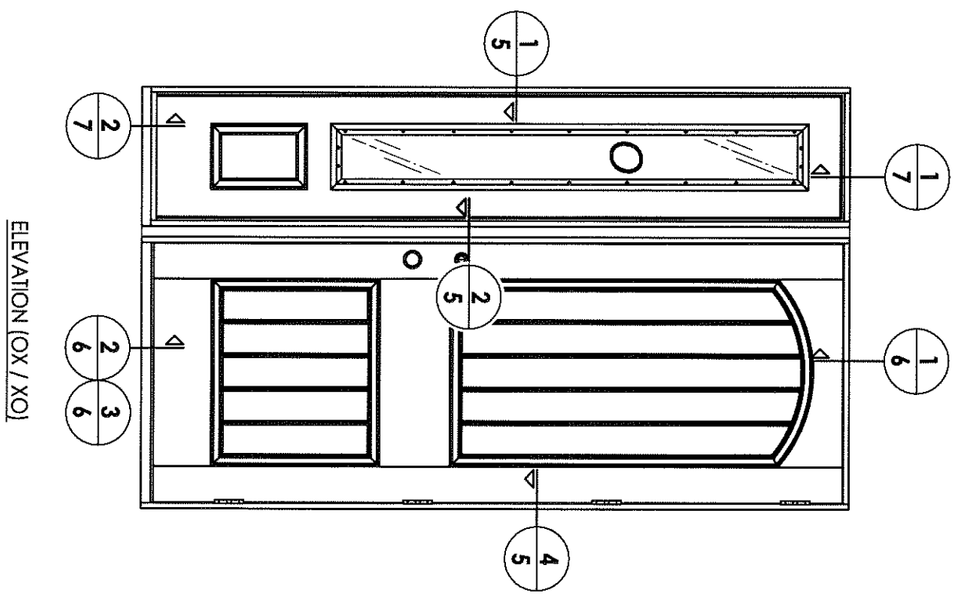
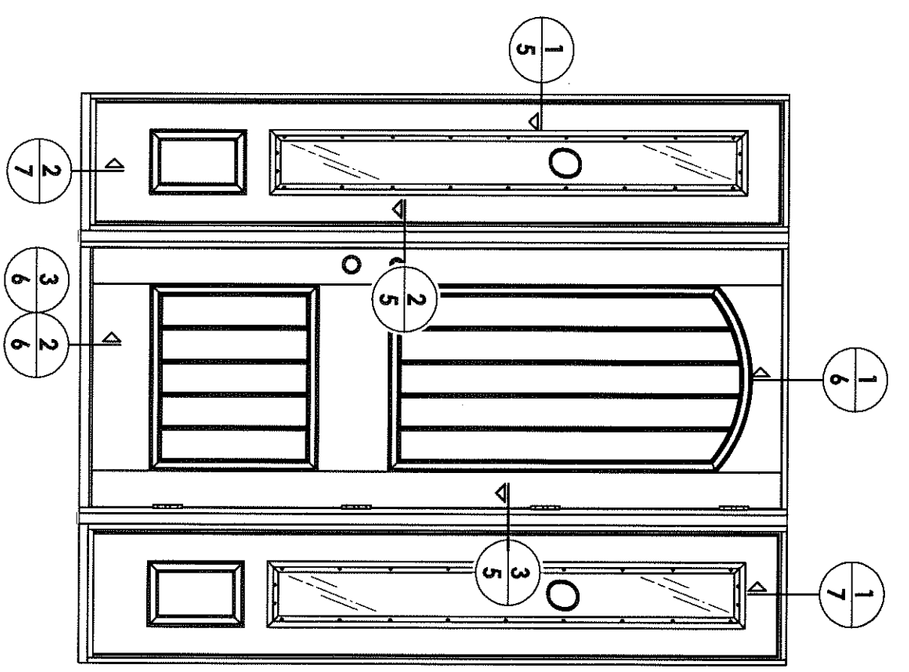


ELEVATION (OX / XO)



ELEVATION (OXO)

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LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
11.26.14

SHEET	DRAWING NO.:	CHK. BY:	DWG. BY:	SCALE:	DATE:
4 OF 9	TX-4516	LFS	JK	N.T.S.	11/26/14

NO.	DATE		BY

REVISIONS

PRODUCT:
TAYLOR
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

Documents Prepared By: Lyndon F. Schmidt, P.E.
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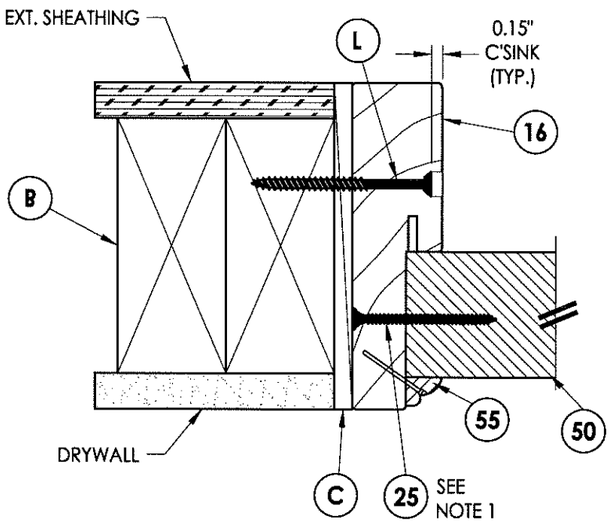
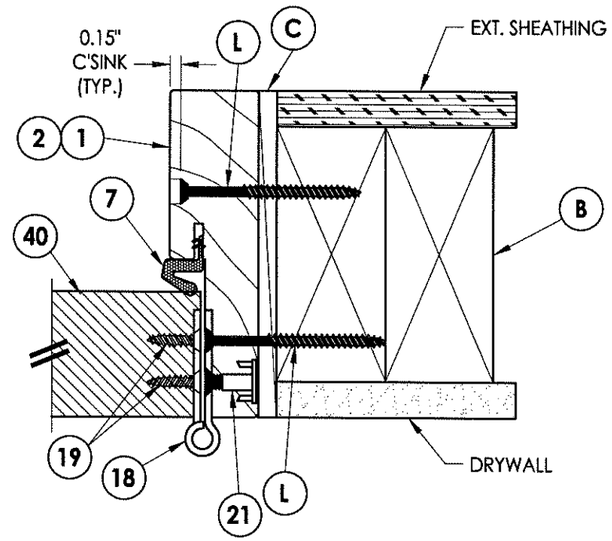


EXTERIOR

INTERIOR

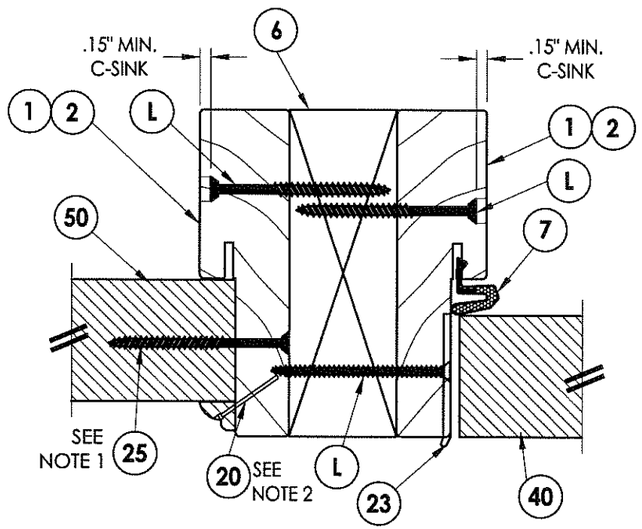
1/5 **HORIZONTAL CROSS SECTION**



4/5 **HORIZONTAL CROSS SECTION**

NOTE:

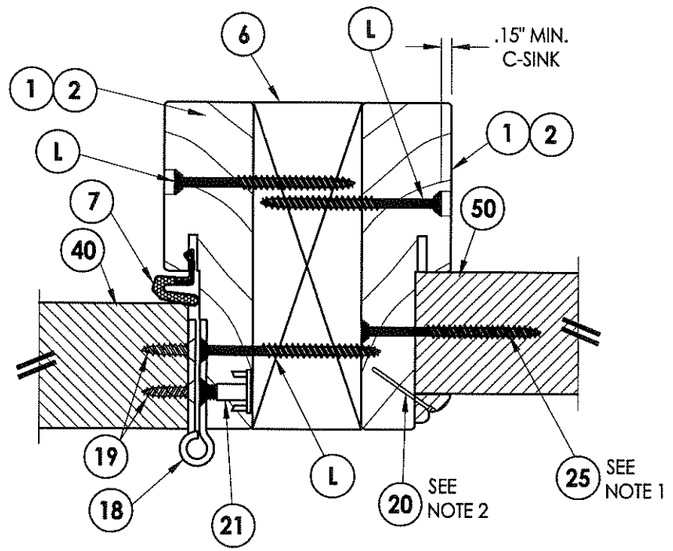
1. Sidelite ass'y fastener; 6" from each end and 6 more screws equally spaced between. (8 screws total per jamb.)
2. Trim secured with 1" Brad Nail @ 6" O.C. (TYP).



EXTERIOR

INTERIOR

2/5 **HORIZONTAL CROSS SECTION**



3/5 **HORIZONTAL CROSS SECTION**

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

PRODUCT: TAYLOR FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 11/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4516
SHEET 5 OF 9

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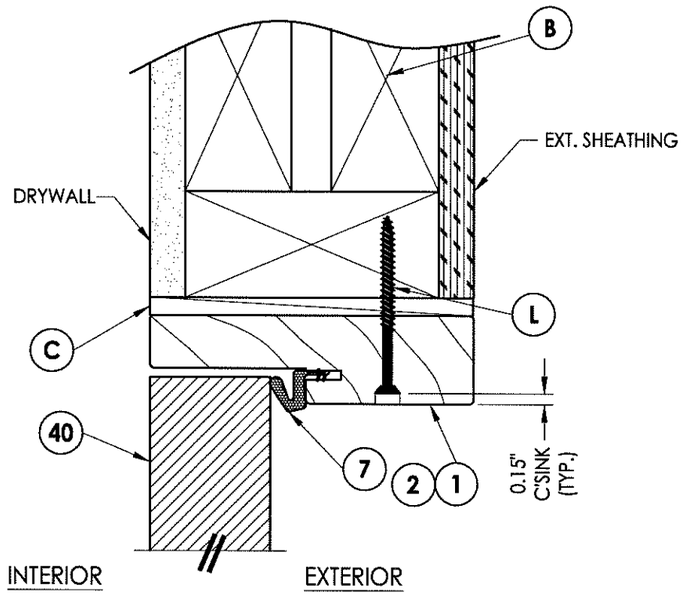
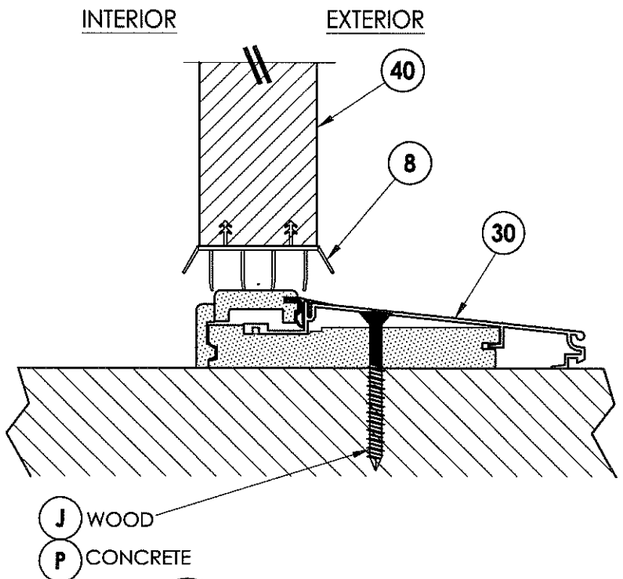
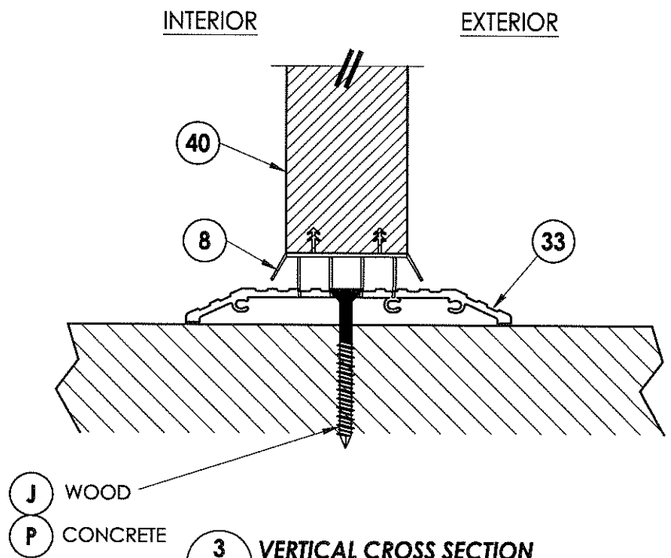


1/6 **VERTICAL CROSS SECTION**



2/6 **VERTICAL CROSS SECTION**
Inswing configuration



3/6 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold

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

PRODUCT: TAYLOR FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 11/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4516
SHEET 6 OF 9

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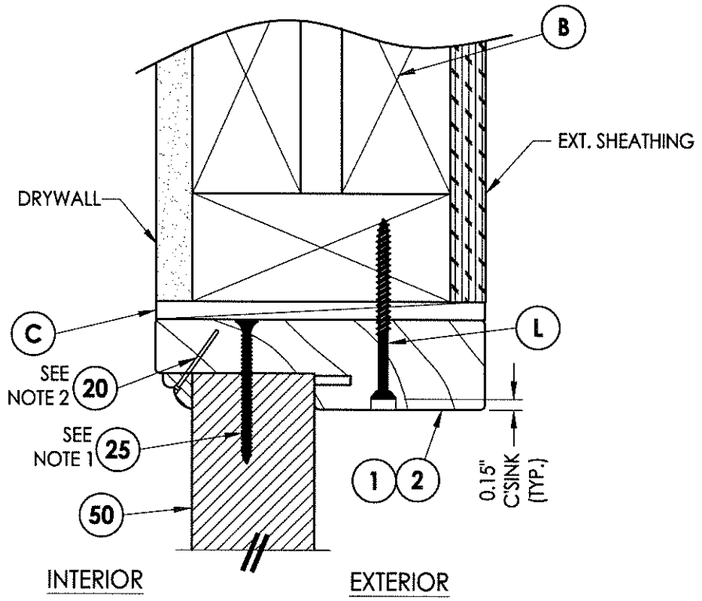
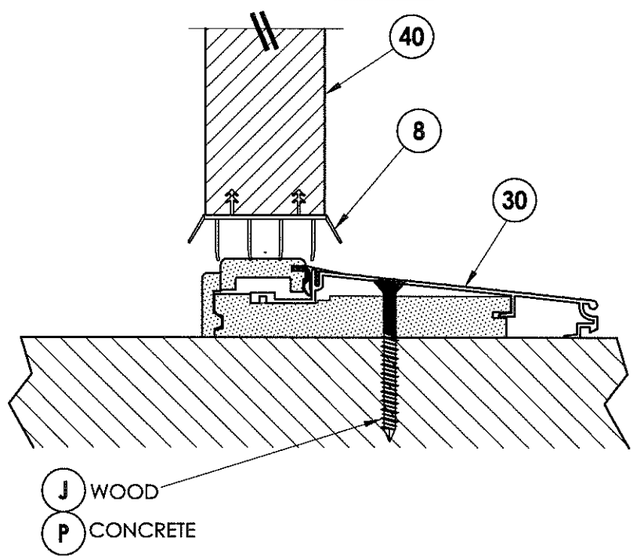


1/7 **VERTICAL CROSS SECTION**



2/7 **VERTICAL CROSS SECTION**
Inswing sill

NOTE:

1. Screws thru head jamb located 3" from each end.
2. Trim secured with 1" Brad Nail @ 6" O.C. (TYP).

STATE OF TEXAS — LYNDON F SCHMIDT — 104123 — LICENSED PROFESSIONAL ENGINEER

11.26.14

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TEXAS P.E. #104123

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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: TAYLOR FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 11/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4516
SHEET 7 OF 9

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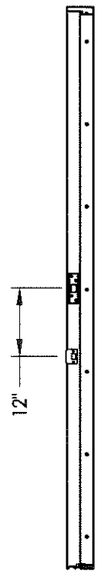
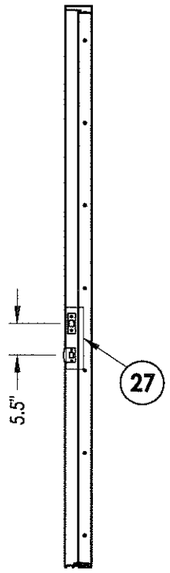


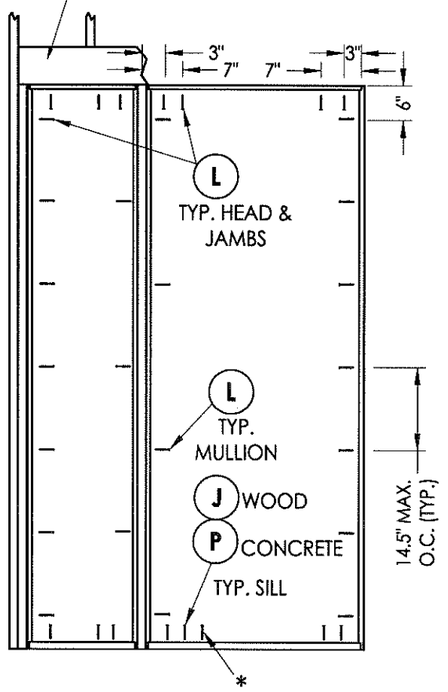
STRIKE JAMB
Security Strike
Lock & Deadbolt @ 12" o.c.



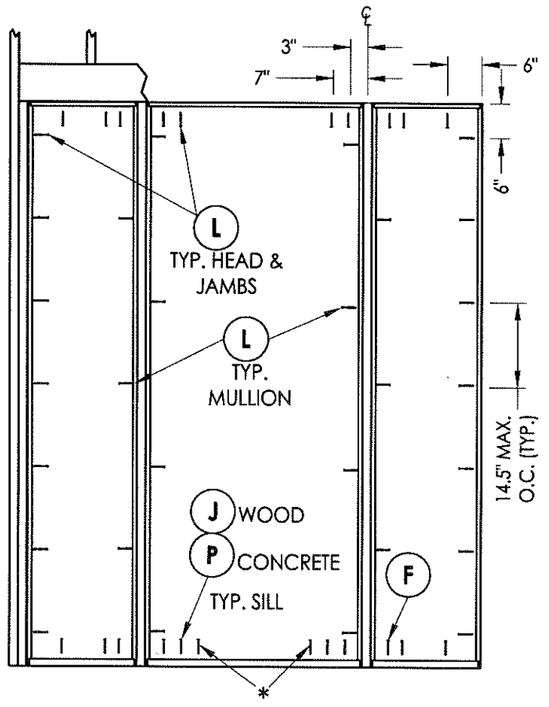
STRIKE JAMB
Standard Strike
Lock & Deadbolt @ 5.5" o.c.

2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED (TYP).

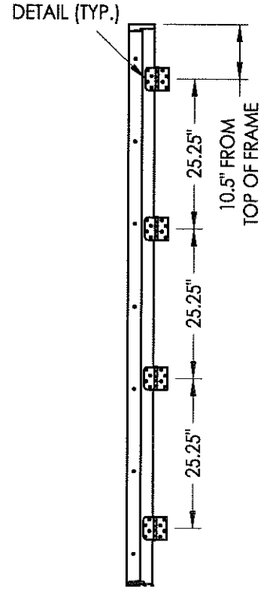
*Additional anchor required for DP > 50 PSF only



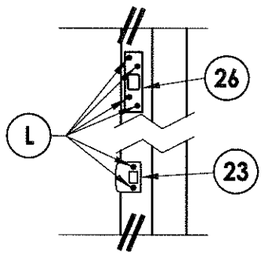
FRAME ANCHORING
OX



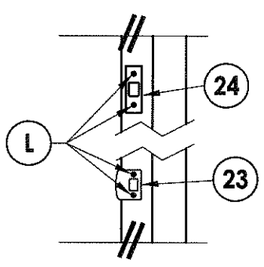
FRAME ANCHORING
OXXO



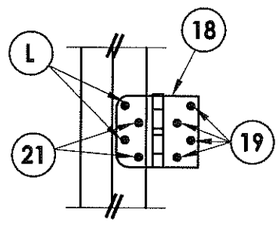
HINGE JAMB



LATCH & DEADBOLT DETAIL
Security Strike



LATCH & DEADBOLT DETAIL
Standard Strike



HINGE DETAIL

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · REGISTERED PROFESSIONAL ENGINEER

11.26.14

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

PRODUCT: TAYLOR FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	REVISIONS	BY

DATE: 11/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4516
SHEET 8 OF 9

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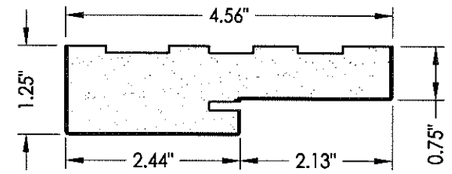
BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
B	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
J	#10 X 3" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL
P	1/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
1	JAMB - FINGERJOINT PINE	WOOD
2	JAMB - POLY FIBER	POLY FIBER
6	2X MULLION (G > = 0.55)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
18	4" X 4" HINGE	STEEL
19	#10 X 3/4" PFH WS	STEEL
20	1" BRAD NAIL	STEEL
21	#10 X 3/4" PFH WS (Wood Jamb) #10-24 X 5/8" M.S. W/ 1/2" STAFAST INSERT P/N D102413 (Wood or Poly Fiber Jamb) #10-24 X 5/8" M.S. w/ 3/8" STAFAST PRONG TEE NUT (Wood or Poly Fiber Jamb)	STEEL
23	LATCH STRIKE PLATE	STEEL
24	DEADBOLT STRIKE PLATE	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
26	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
27	REINFORCEMENT PLATE	STEEL
30	INSWING THRESHOLD	ALUM/COMP
33	ADA THRESHOLD	ALUM
35	SIDELITE ADAPTER	VINYL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
55	SIDELITE TRIM	WOOD

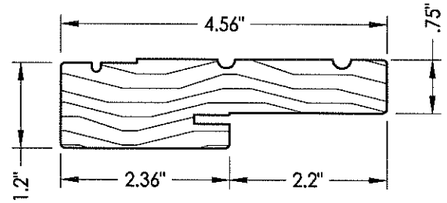
CONCRETE ANCHOR NOTES:

1. *Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.*
2. *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.*
3. *Concrete anchor table:*

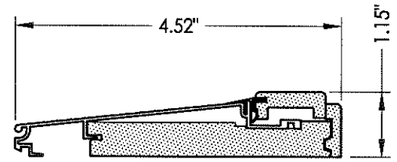
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	3"
ELCO ULTRACON®	1/4"	1-3/4"	1"	3"



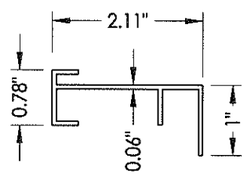
1 **POLY FIBER JAMB**



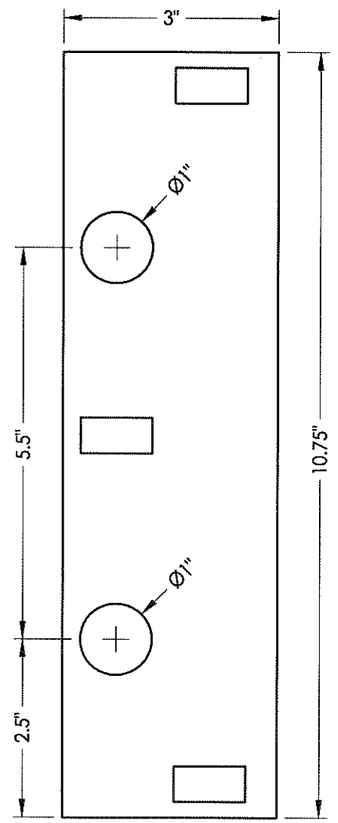
2 **WOOD JAMB**



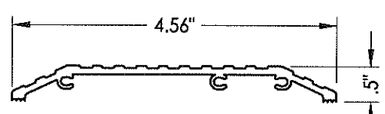
30 **INSWING THRESHOLD**
By Imperial



35 **SIDELITE ADAPTER**



27 **REINFORCEMENT PLATE**
16 GA.



33 **ADA SILL**

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

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P.O. Box 230 Valrico FL. 33595
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
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PRODUCT: TAYLOR FIBERGLASS DOOR

PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 11/26/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4516
SHEET 9 OF 9

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