

# WINCORE™

## WINDOWS & DOORS

250 Staunton Turnpike, Parkersburg, WV 26104

### FIBERGLASS ENTRY DOOR IN SWING / OUT SWING "IMPACT"

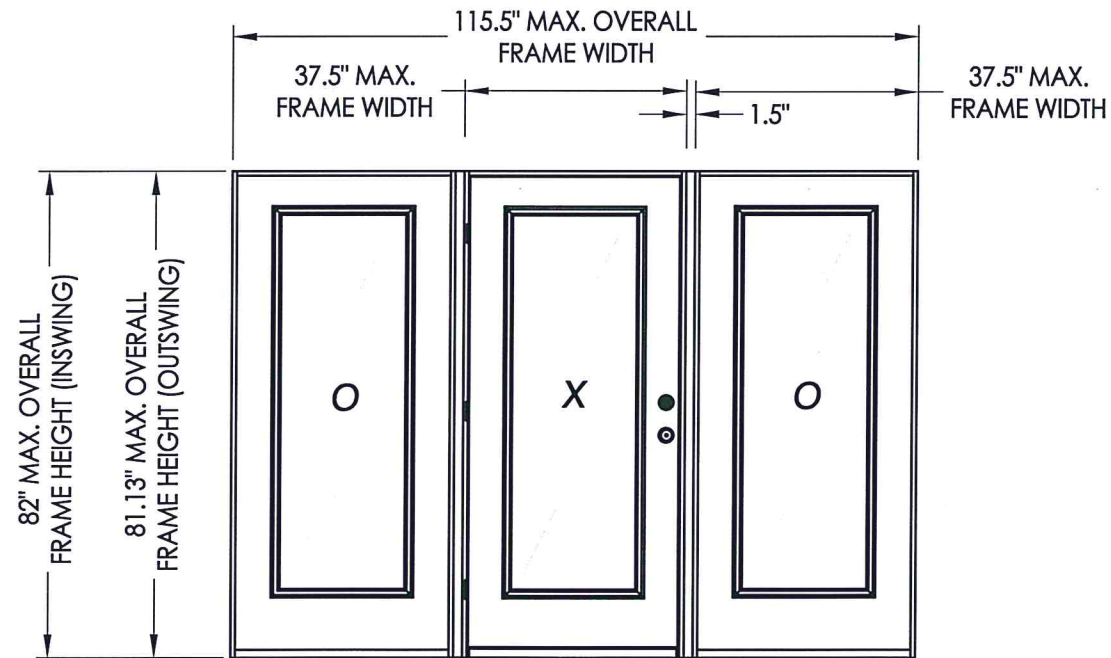
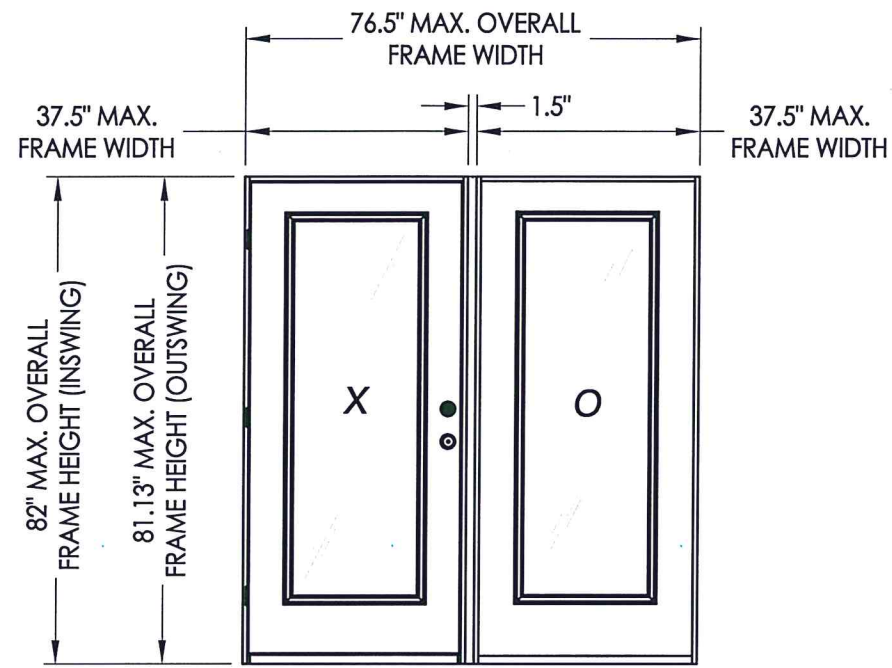
#### EVALUATED FOR USE IN THE STATE OF TEXAS

The Wincore Fiberglass Door 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 the Seaward, Inland I and Inland II areas. 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.

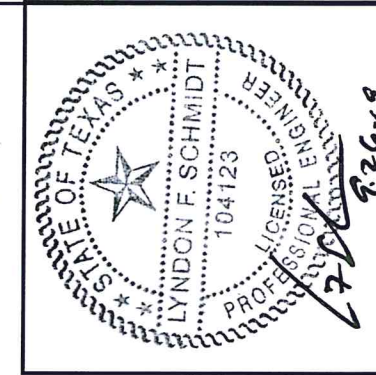
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2	Door panel details
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9	3 Point lock details
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CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
OX/XO	76.5" x 82"	+65.0	-65.0
OXO	115.5" x 82"	+65.0	-65.0

See sheet 2 for hardware design pressure limitations



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

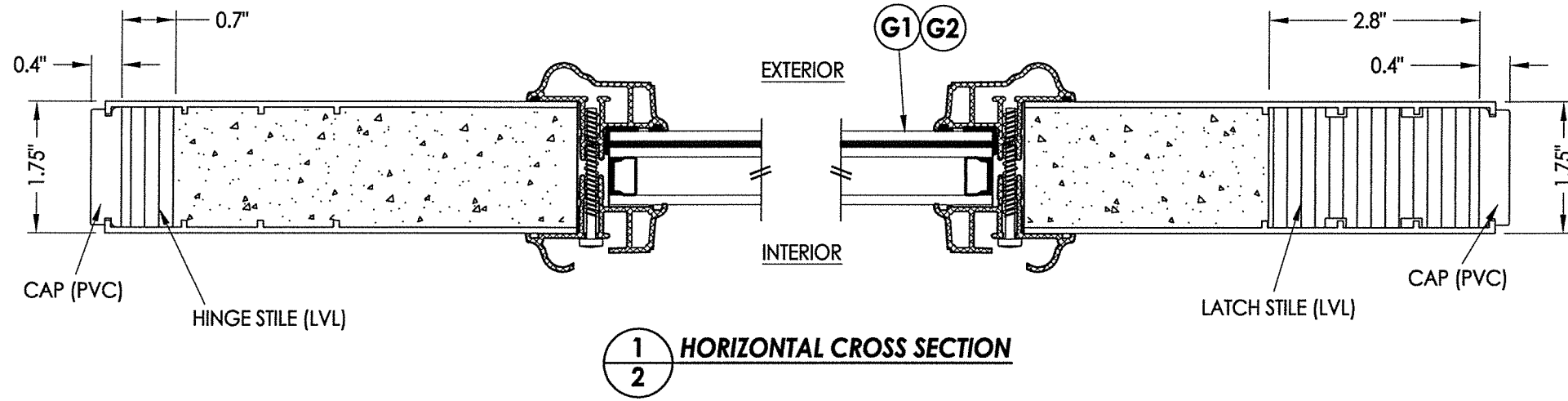
RW BUILDING CONSULTANTS, INC.  
P.O. Box 230 Vairico FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: WINCORE FIBERGLASS DOOR  
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

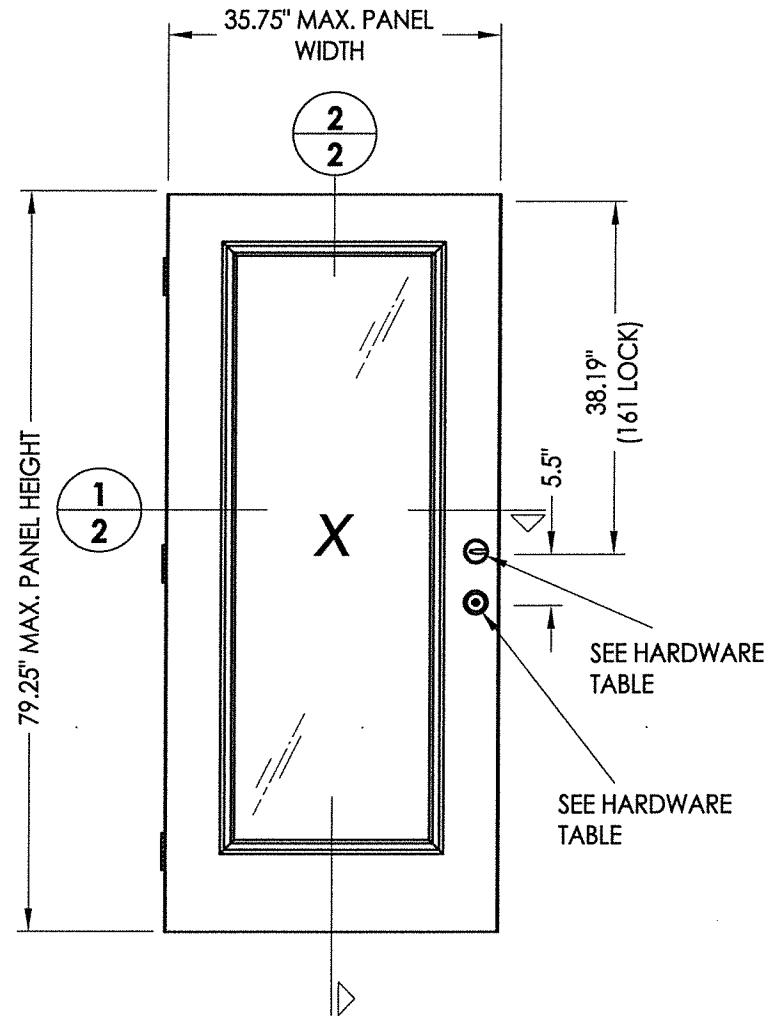
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1	9/18/19	ADD FLAT FRAME & UPDATE TO 2018 IBC

DATE: 05/30/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4162  
SHEET 1 OF 11

R:\Clients\Wincore PERMANENT\B - Texas Dept of Ins\Doors\DR-556 - Glazed FG Entry Doors\C - Drawings\RWBC Drawings\TX-4161-62 REV.dwg, 2.5



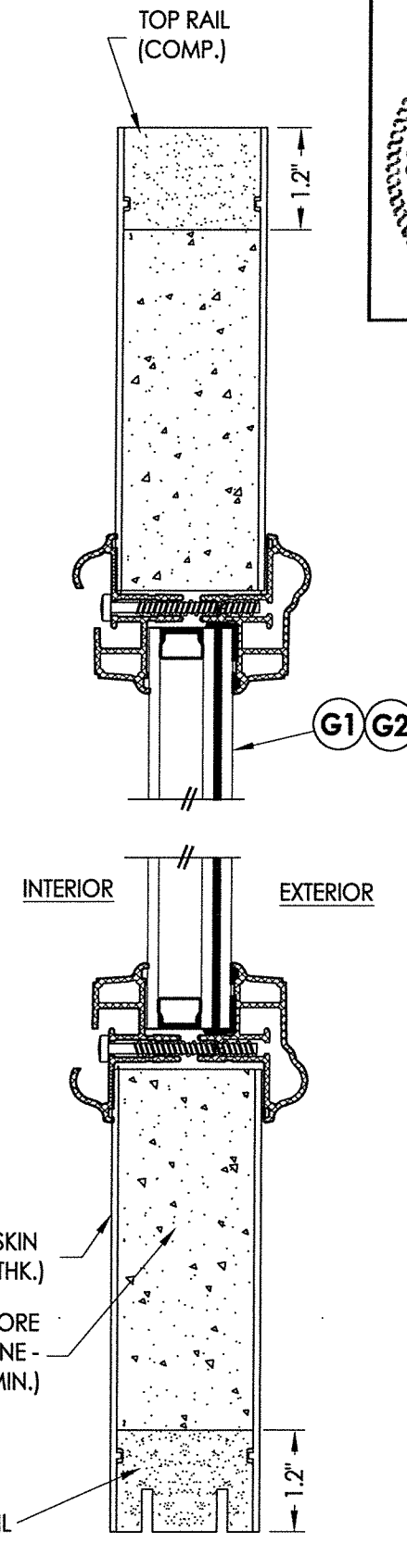
**1**  
**2** HORIZONTAL CROSS SECTION



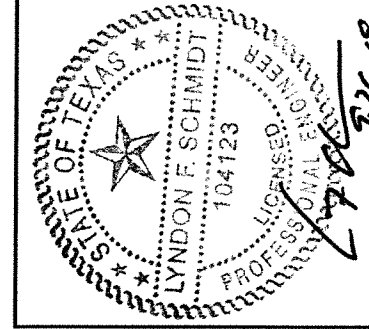
**40** DOOR PANEL

HARDWARE TABLE			
MANUFACTURER	MODEL		MAX. DESIGN PRESSURE (PSF)
KWIKSET	Knob:	SIGNATURE SERIES	± 65
	DEADBOLT:	SIGNATURE SERIES (980)	
SCHLAGE	Knob:	"F" SERIES (F51)	± 65
	DEADBOLT:	"B" SERIES (B60/62)	
PAMEX	Lever:	FL3B SERIES	± 65
	DEADBOLT:	FD7 SERIES	
HOPPE	MULTI-POINT LOCK:	3-POINT TONGUE	± 50
W & F	MULTI-POINT LOCK:	TRILENNIUM "3000" SERIES	± 65

See sheets 8 and 9 for multi-point lock details.



**2**  
**2** VERTICAL CROSS SECTION



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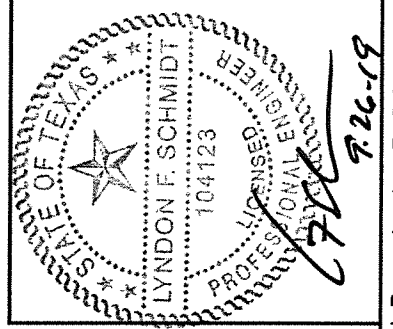
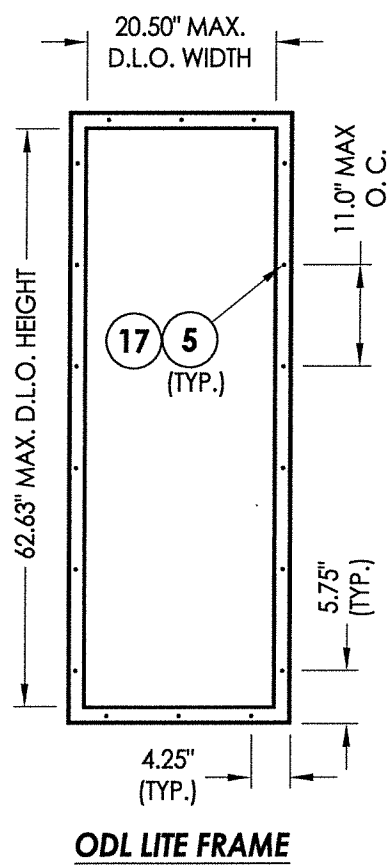
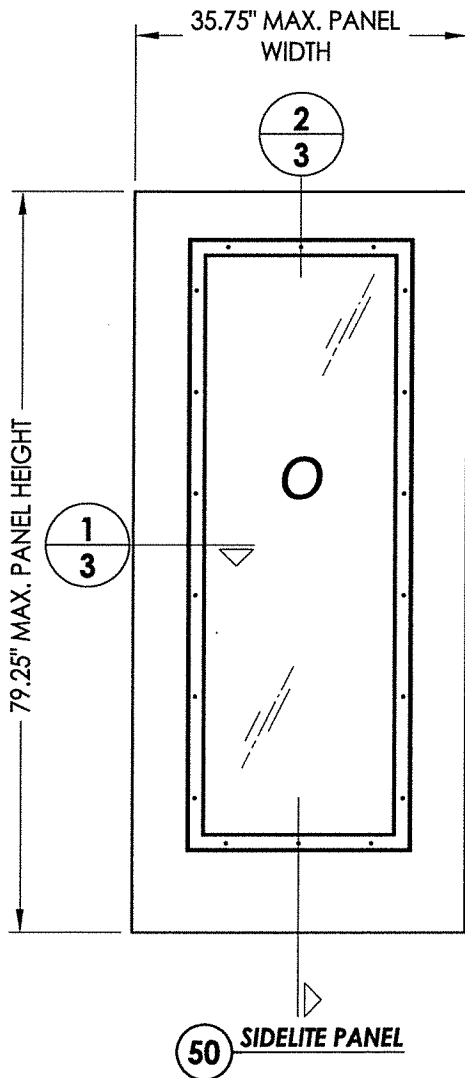
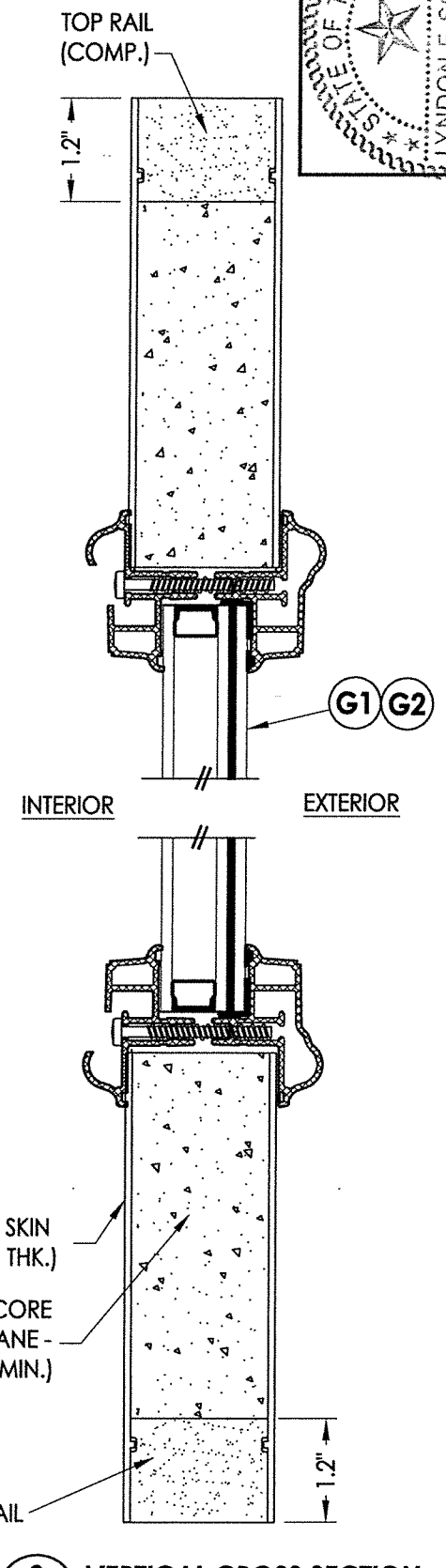
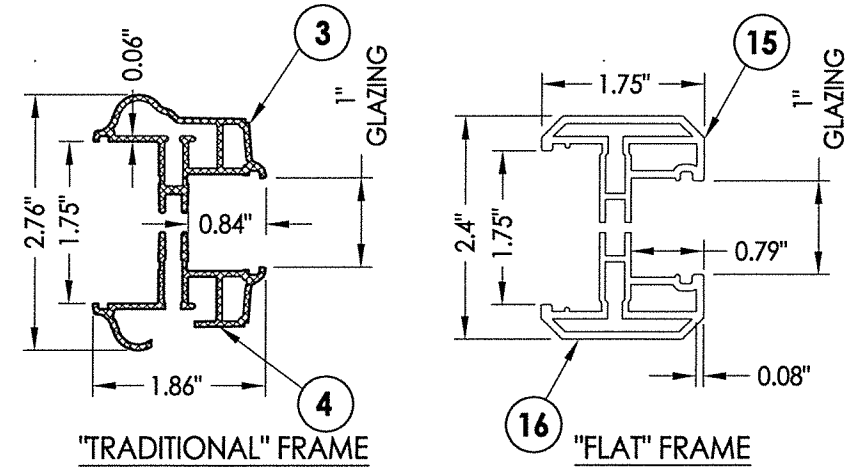
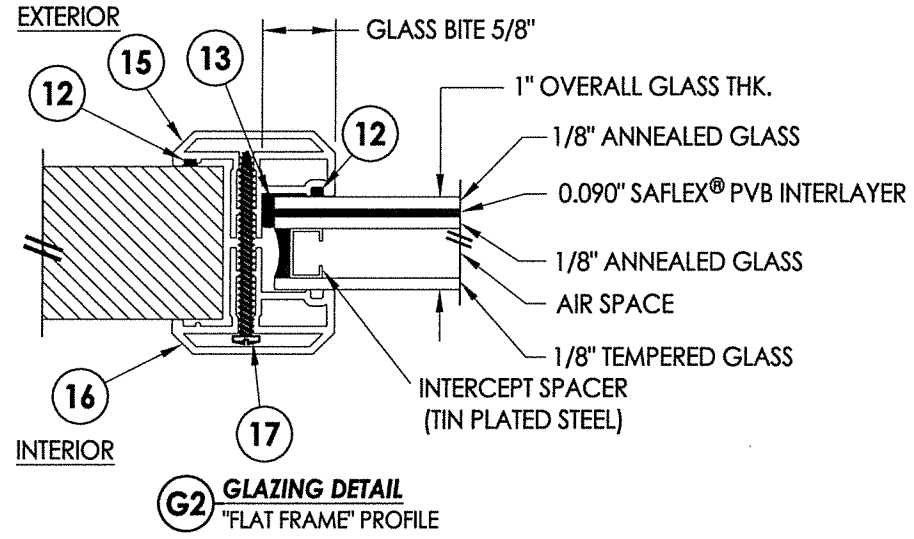
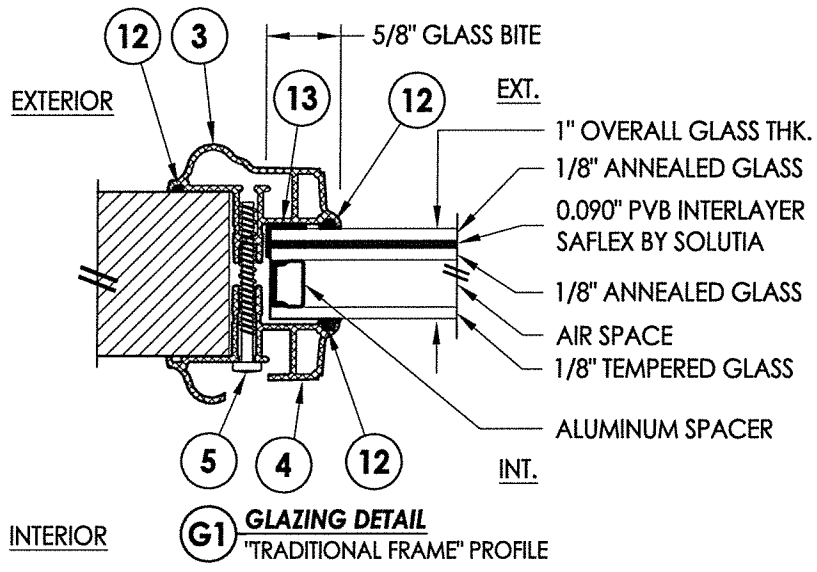
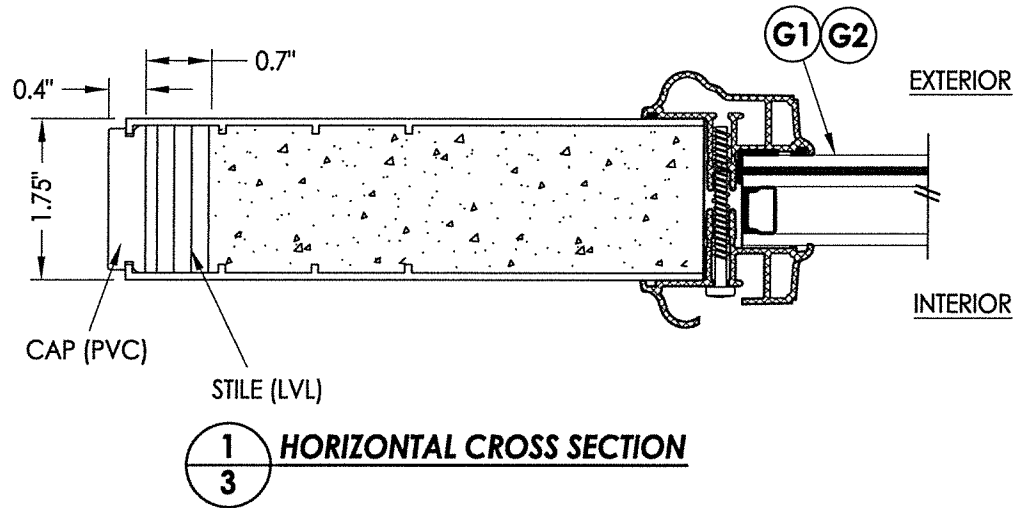
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P.O. Box 230 Veroico FL 33595  
Phone No.: 813.659.9197

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

PRODUCT: WINCORE FIBERGLASS DOOR  
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	REVISIONS
1	9/18/19	ADD FLAT FRAME & UPDATE TO 2018 IBC

DATE: 05/30/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4162  
SHEET 2 OF 11



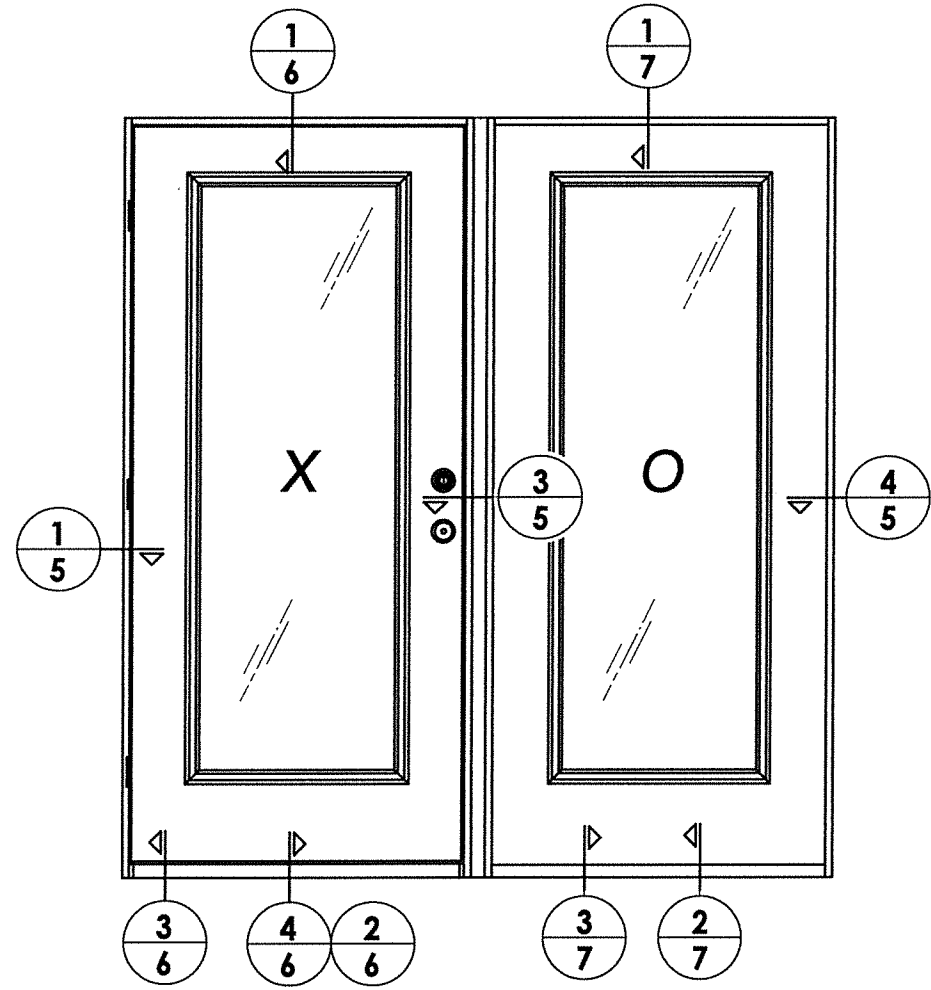
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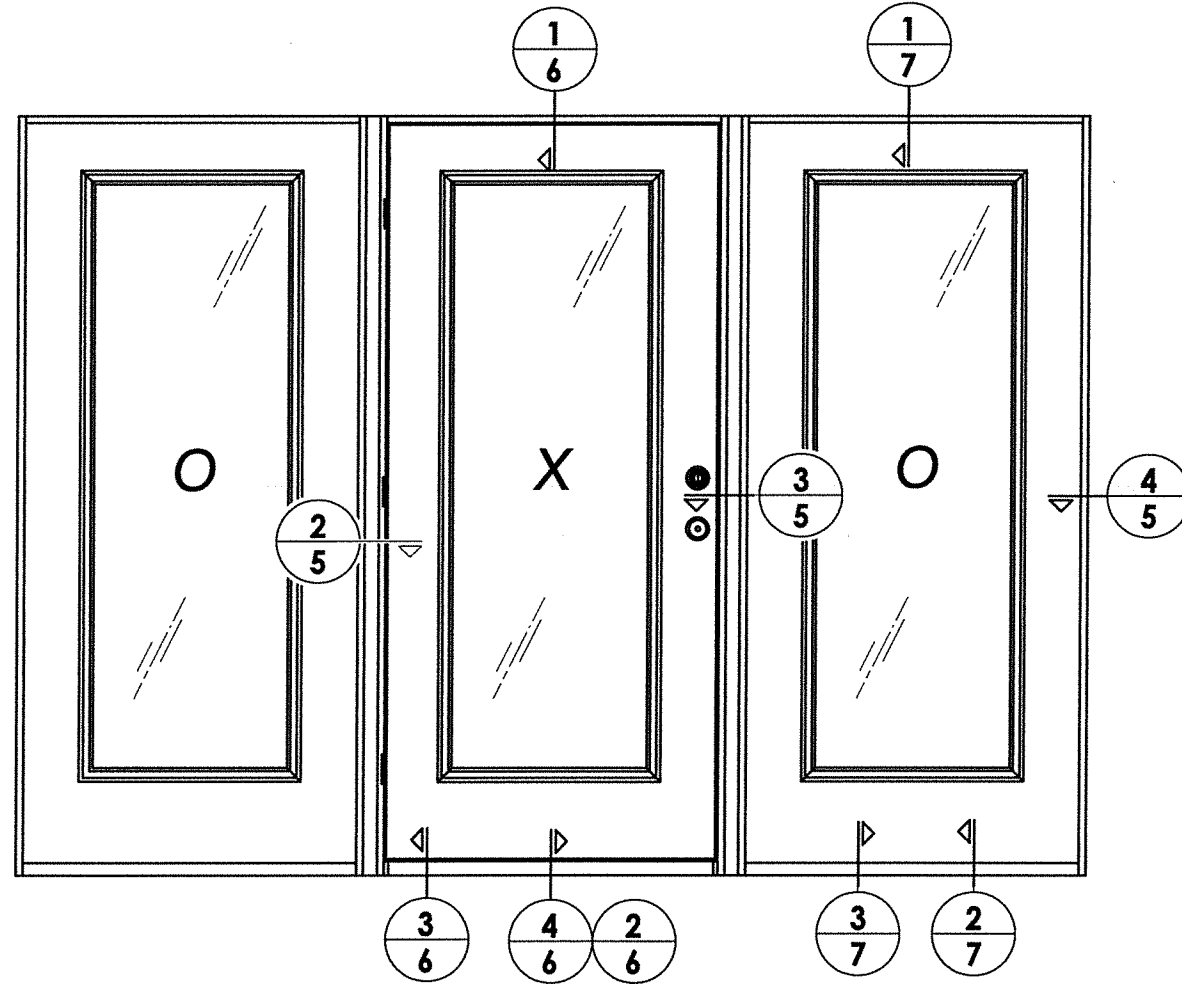
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		WINCORE FIBERGLASS DOOR	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
NO.	DATE	BY	REVISIONS
1	9/18/19	LFS	ADD FLAT FRAME & UPDATE TO 2018 IBC
DATE: 05/30/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4162			
SHEET 3 OF 11			

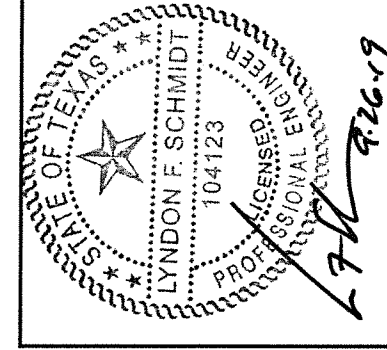




ELEVATION (XO - OX)



ELEVATION (OXO)



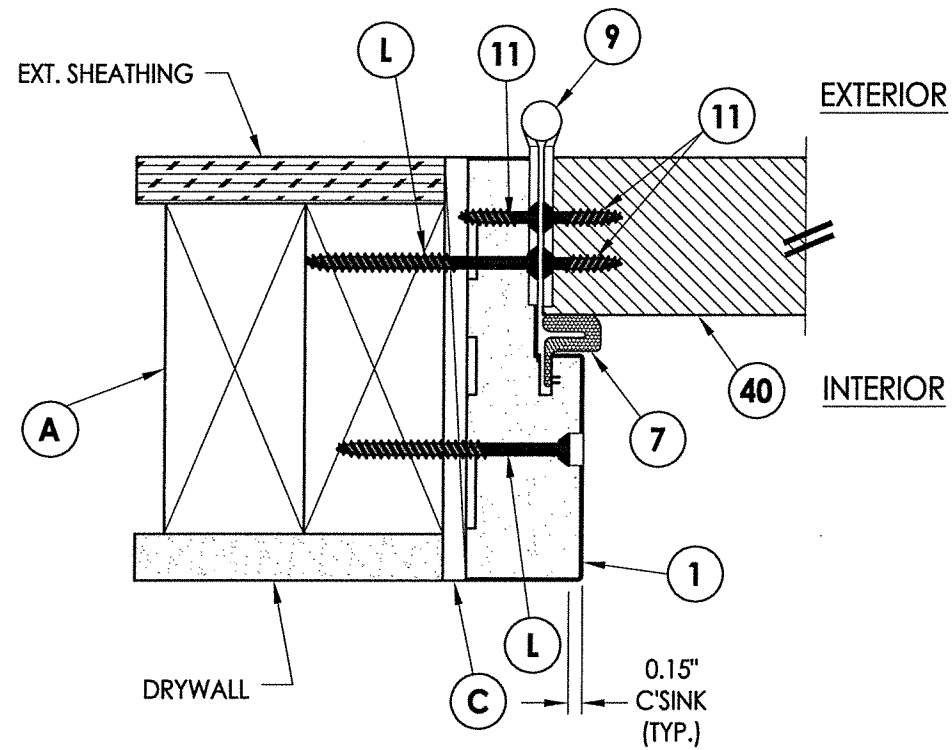
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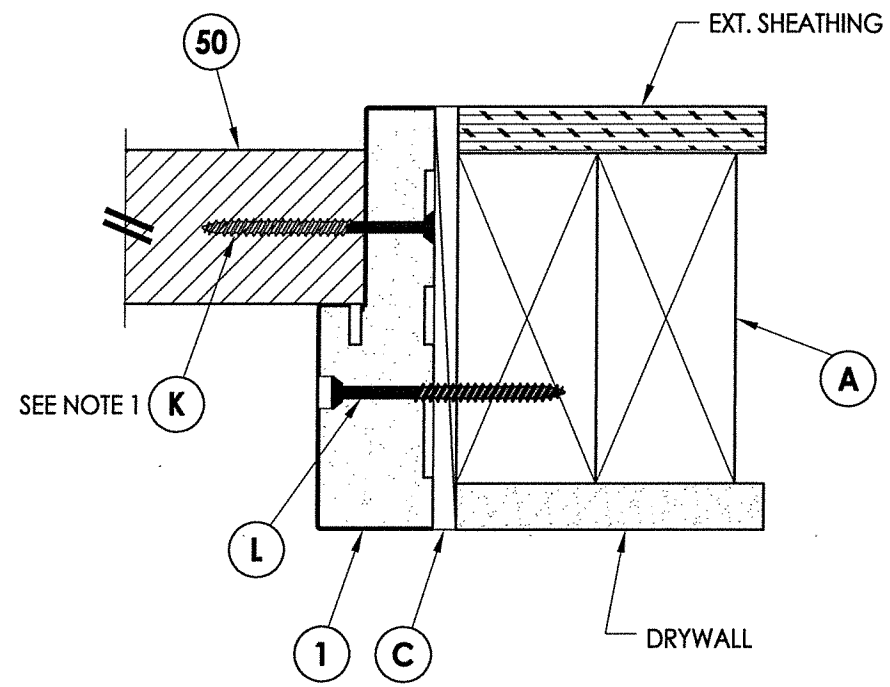
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		WINCORE FIBERGLASS DOOR	
PART OR ASSEMBLY:		ELEVATIONS	
NO.	DATE	REVISIONS	BY
1	9/18/19	ADD FLAT FRAME & UPDATE TO 2018 IBC	LFS
DATE: 05/30/12			
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CHK. BY: LFS			
DRAWING NO.: TX-4162			
SHEET 4 OF 11			

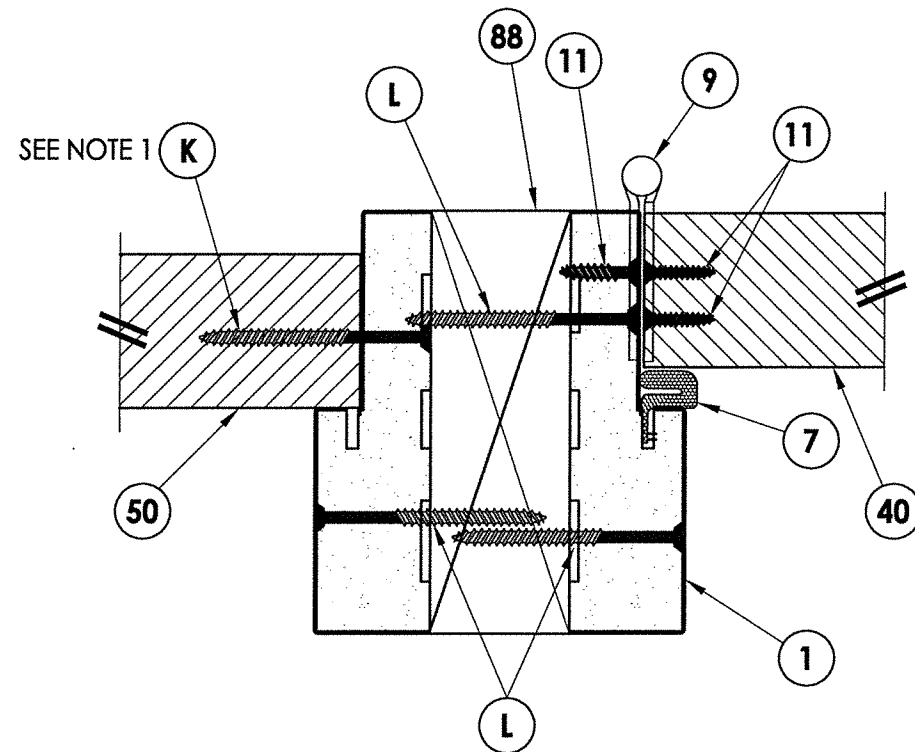
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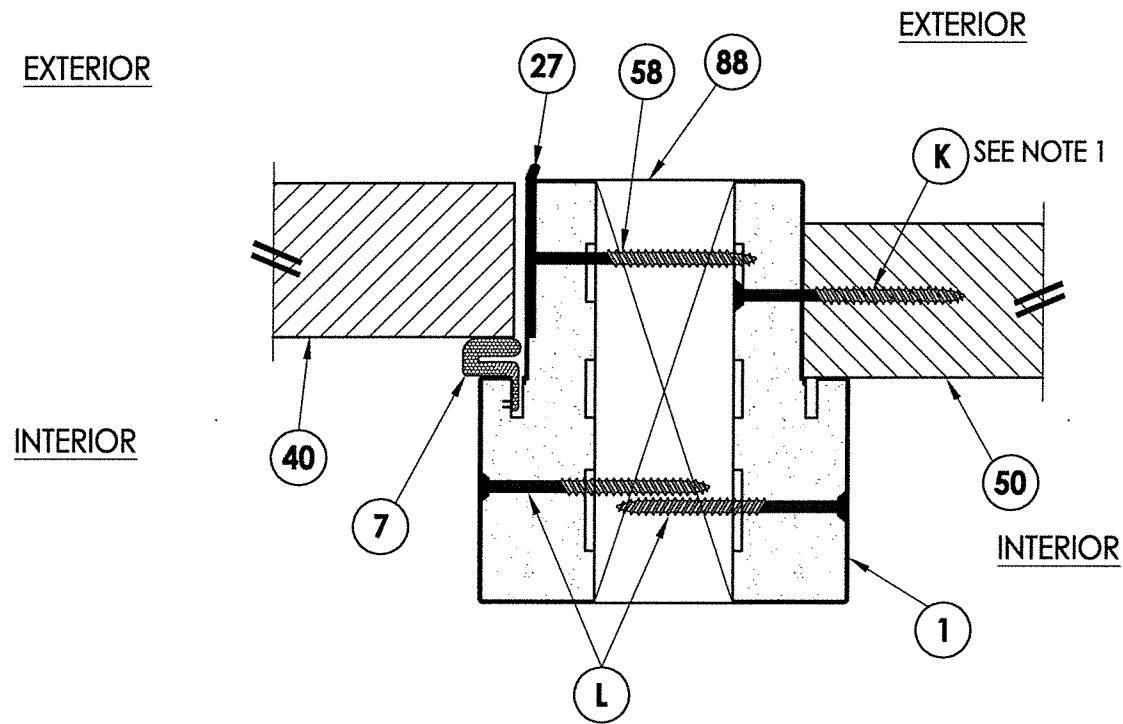
**1 HORIZONTAL CROSS SECTION**  
**5** Outswing shown - Inswing also approved



**4 HORIZONTAL CROSS SECTION**  
**5** Outswing shown - Inswing also approved

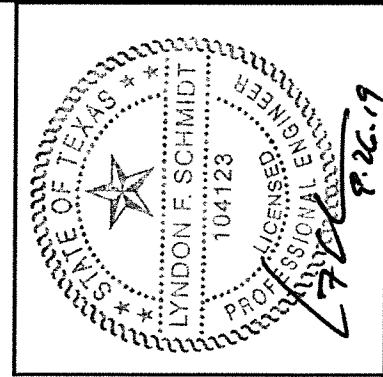


**2 HORIZONTAL CROSS SECTION**  
**5** Outswing shown - Inswing also approved



**3 HORIZONTAL CROSS SECTION**  
**5** Outswing shown - Inswing also approved

NOTE:  
 1. Spacing for item K: 6" from ends and 7 more equally spaced along sidelite (9 total).



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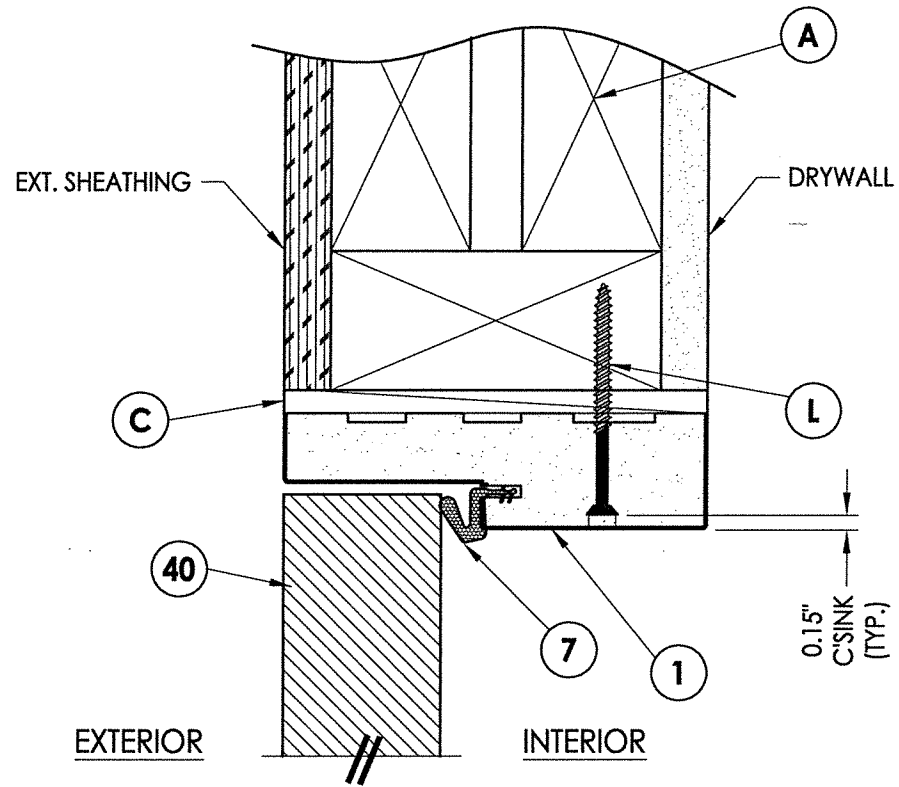
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NO.	DATE	REVISIONS	BY
1	9/18/19	ADD FLAT FRAME & UPDATE TO 2018 IBC	LFS

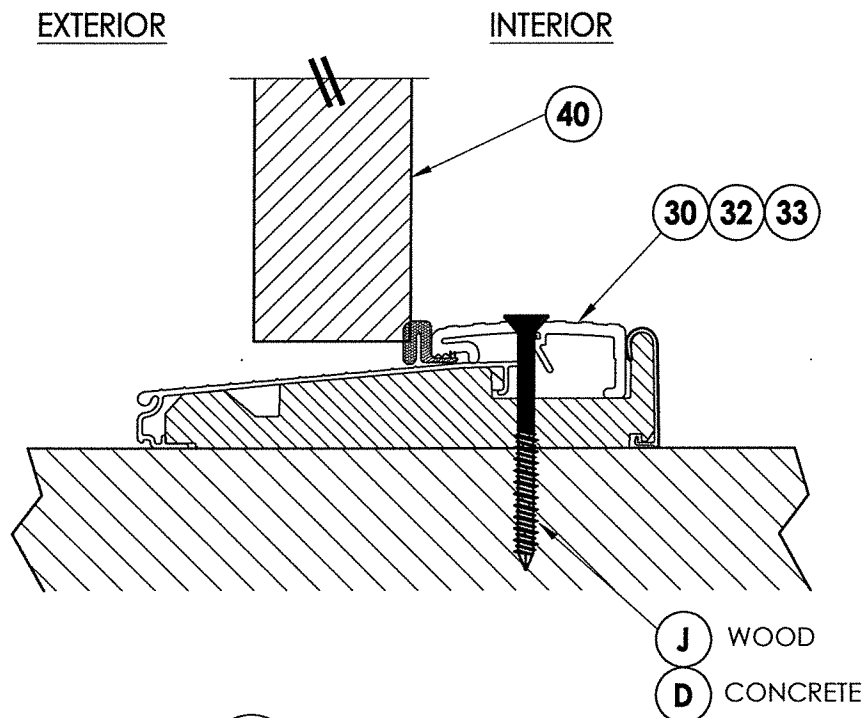
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 CHK. BY: LFS  
 DRAWING NO.: TX-4162  
 SHEET 5 OF 11

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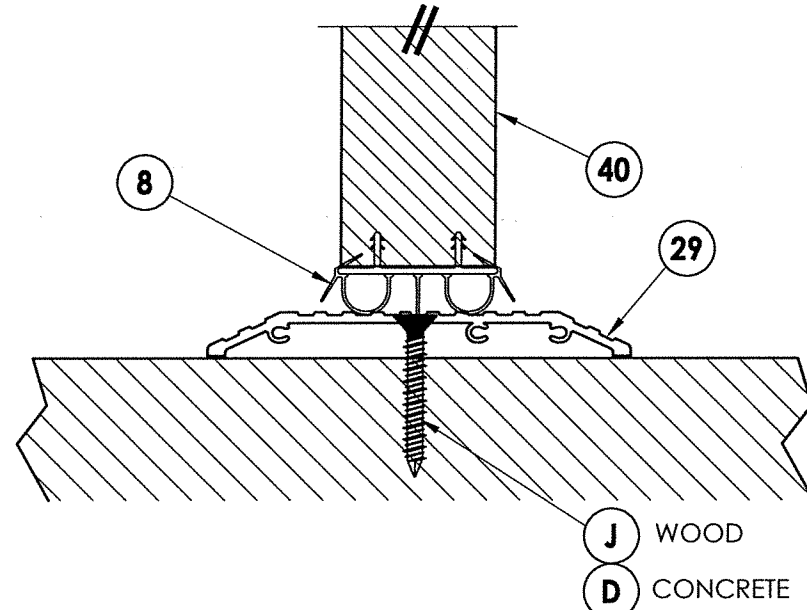
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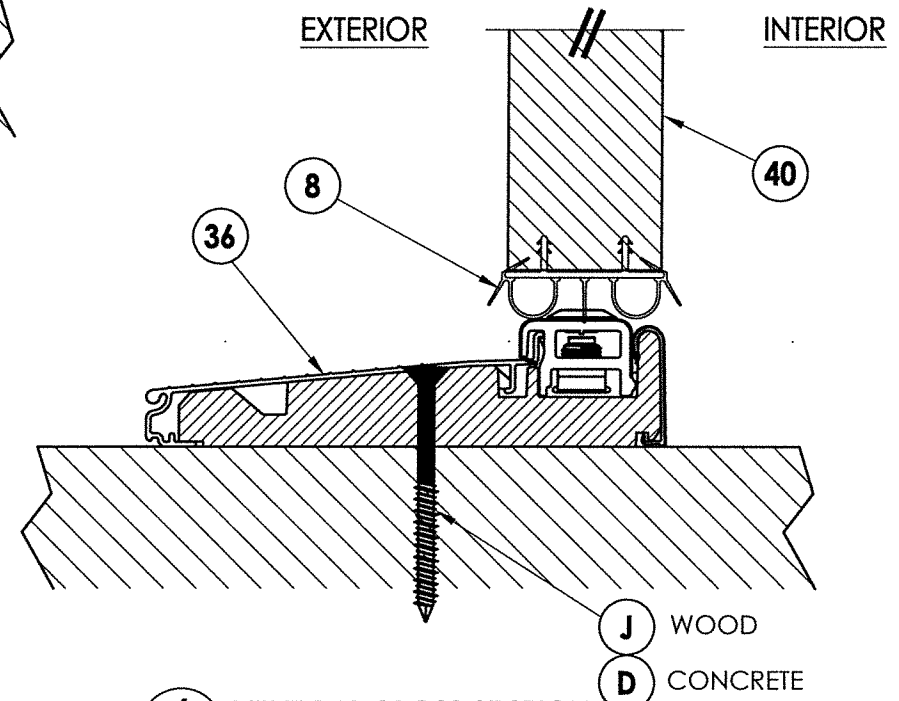
**1 VERTICAL CROSS SECTION**  
**6** Outswing shown - inswing also approved



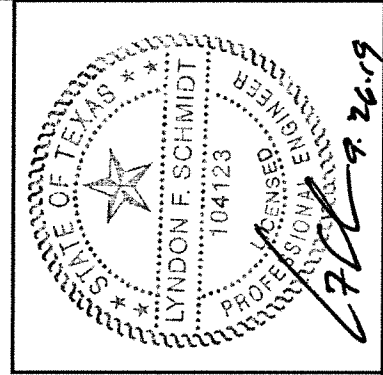
**3 VERTICAL CROSS SECTION**  
**6** Outswing configuration



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



**4 VERTICAL CROSS SECTION**  
**6** Inswing configuration



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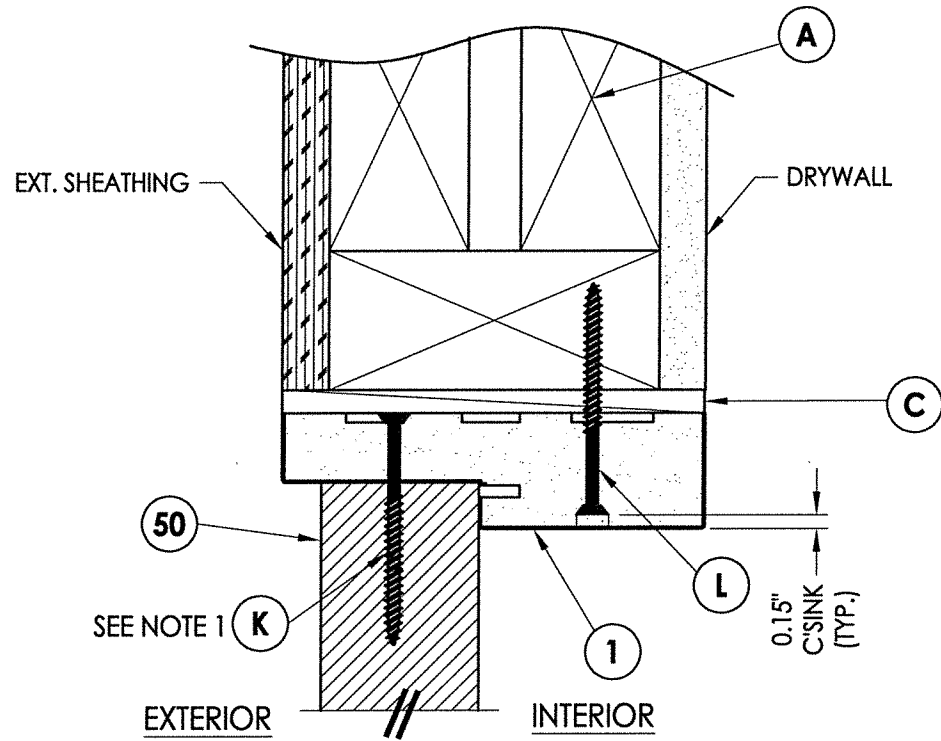
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 CERTIFICATE OF REGISTRATION # F-11852

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

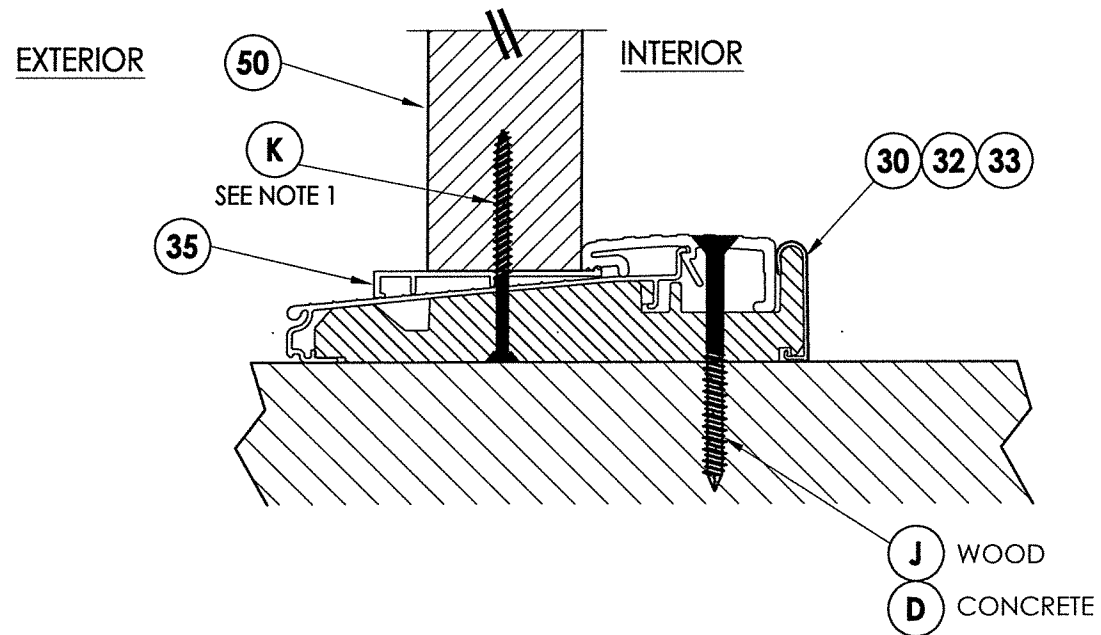
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1	9/18/19	ADD FLAT FRAME & UPDATE TO 2018 IBC	LFS

DATE: 05/30/12  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: TX-4162

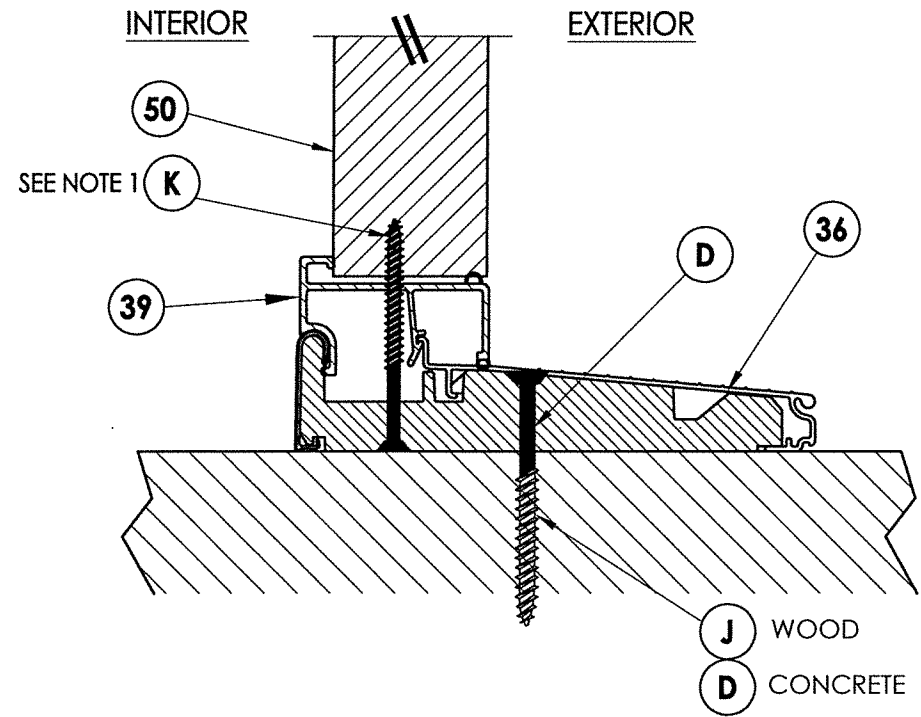
SHEET 6 OF 11



**1** VERTICAL CROSS SECTION  
**7** Outswing shown - Inswing also approved

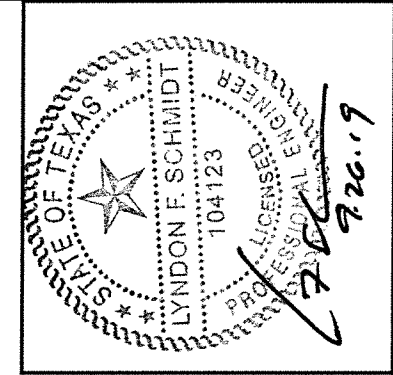


**2** VERTICAL CROSS SECTION  
**7** Outswing shown



**3** VERTICAL CROSS SECTION  
**7** Inswing shown

**NOTE**  
 1. Spacing for item K:  
 6" from each end  
 and at centerline.



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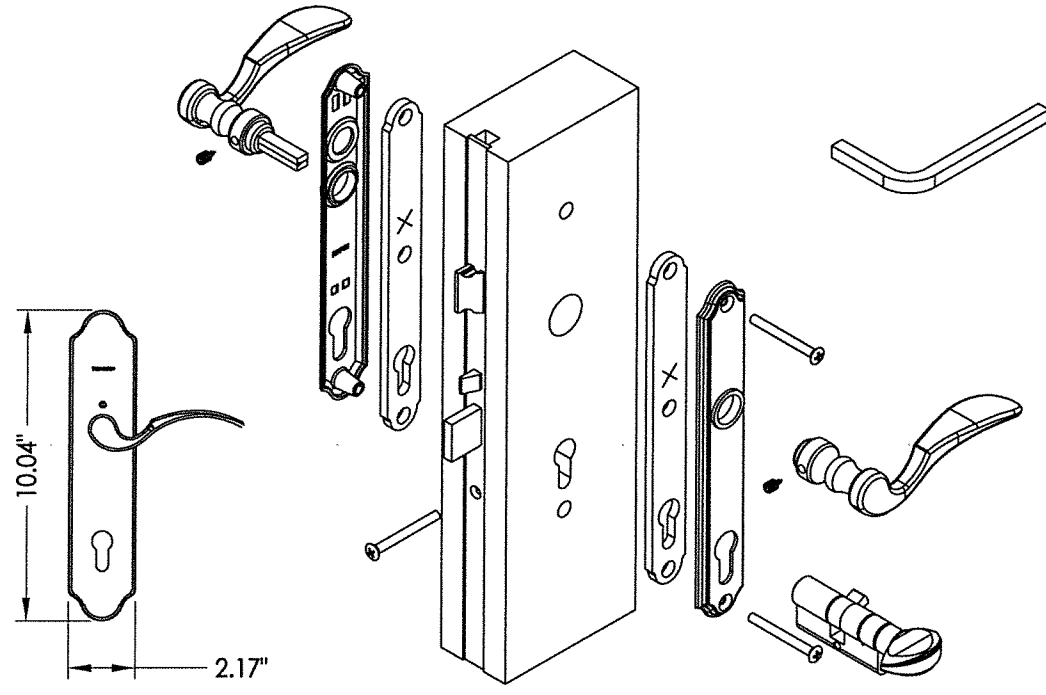
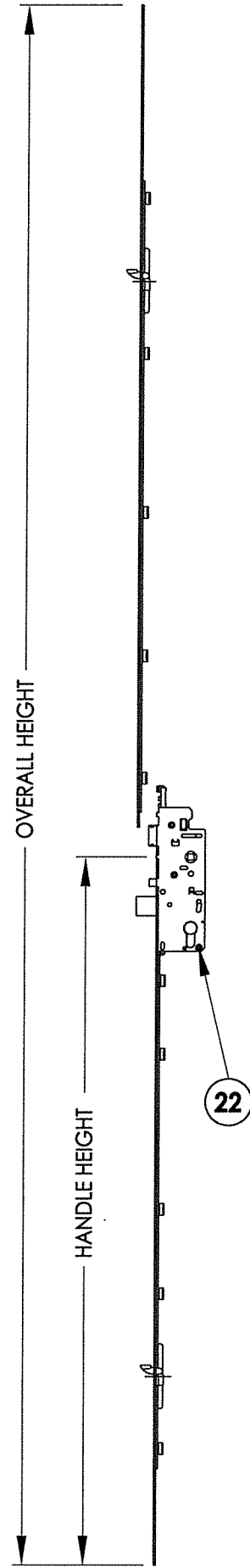
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 P.O. Box 230 Valrico FL 33595  
 Phone No.: 813.659.9197  
 TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 CERTIFICATE OF REGISTRATION # F-11852

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

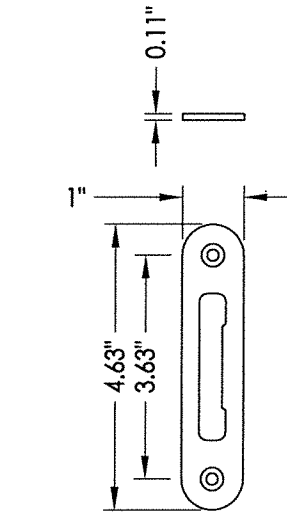
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1	9/18/19	ADD FLAT FRAME & UPDATE TO 2018 IBC	LFS

DATE: 05/30/12  
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 DRAWING NO.: TX-4162  
 SHEET 7 OF 11

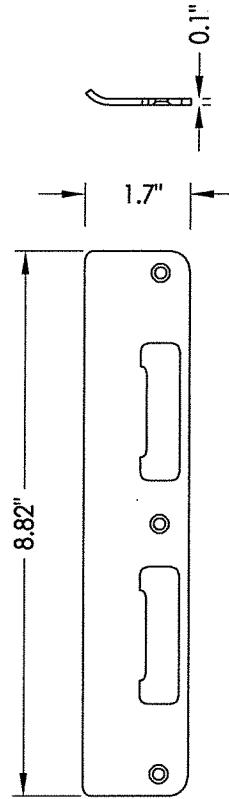
**MANUAL RAISED TONGUE GEAR SYSTEM**



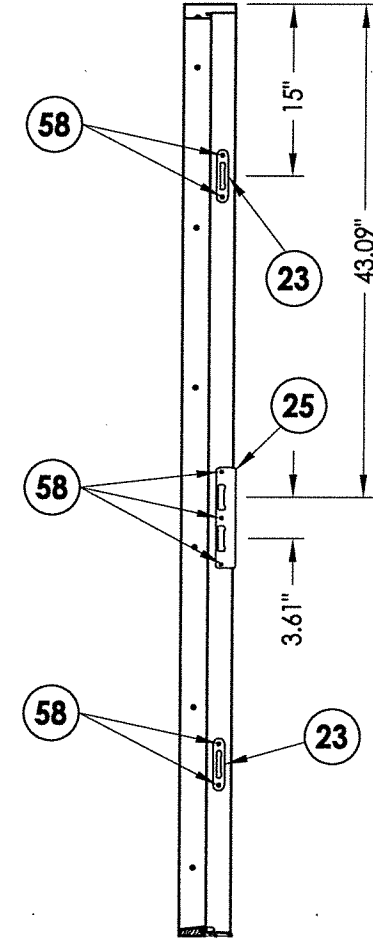
**22 HOPPE MULTI-POINT LOCKSET**  
3-Point "Tongue"



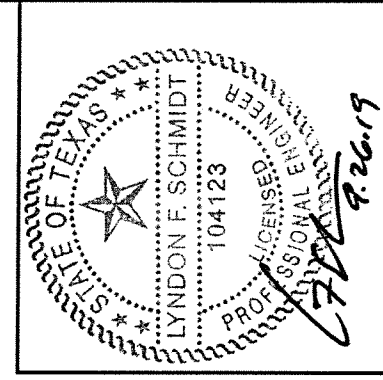
**23 MULTI-POINT STRIKE PLATE**



**25 LATCH AND DEADBOLT STRIKE PLATE**  
Tongue system



**STRIKE JAMB**



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

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

PRODUCT:		WINCORE FIBERGLASS DOOR	
PART OR ASSEMBLY:		3-POINT LOCK DETAILS	
NO.	DATE	BY	REVISIONS
1	9/18/19	LFS	ADD FLAT FRAME & UPDATE TO 2018 IBC

DATE: 05/30/12

SCALE: N.T.S.

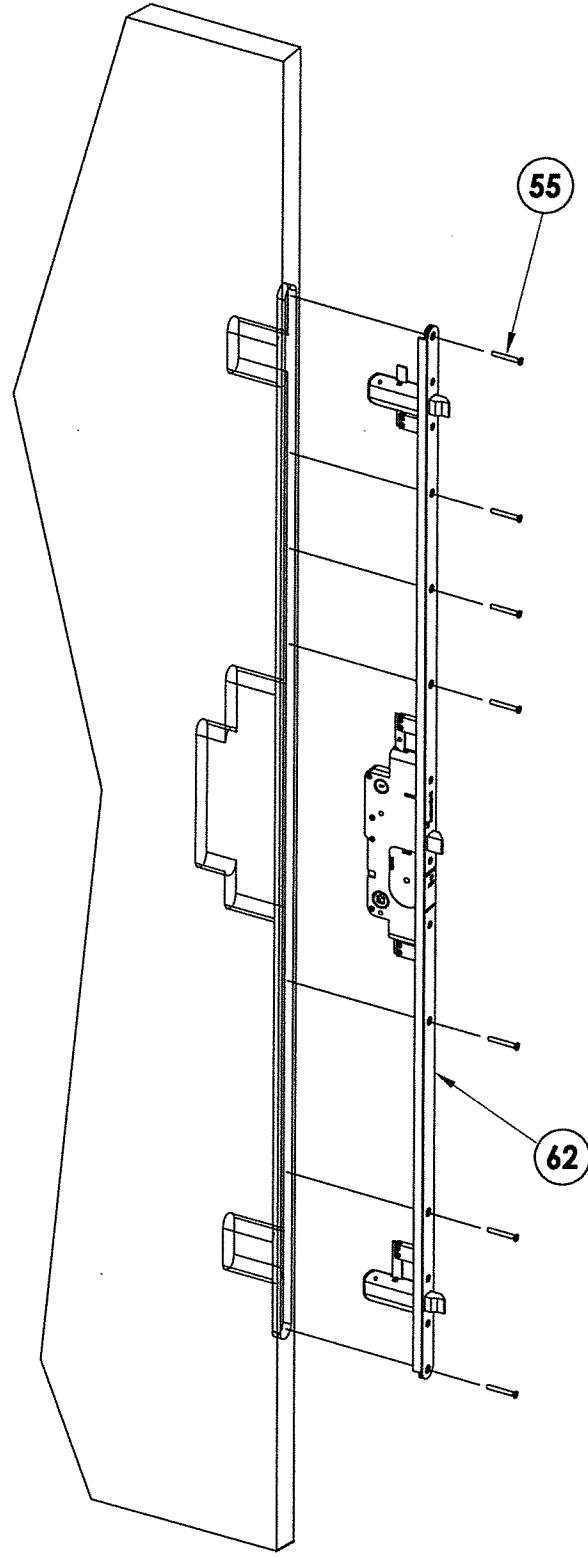
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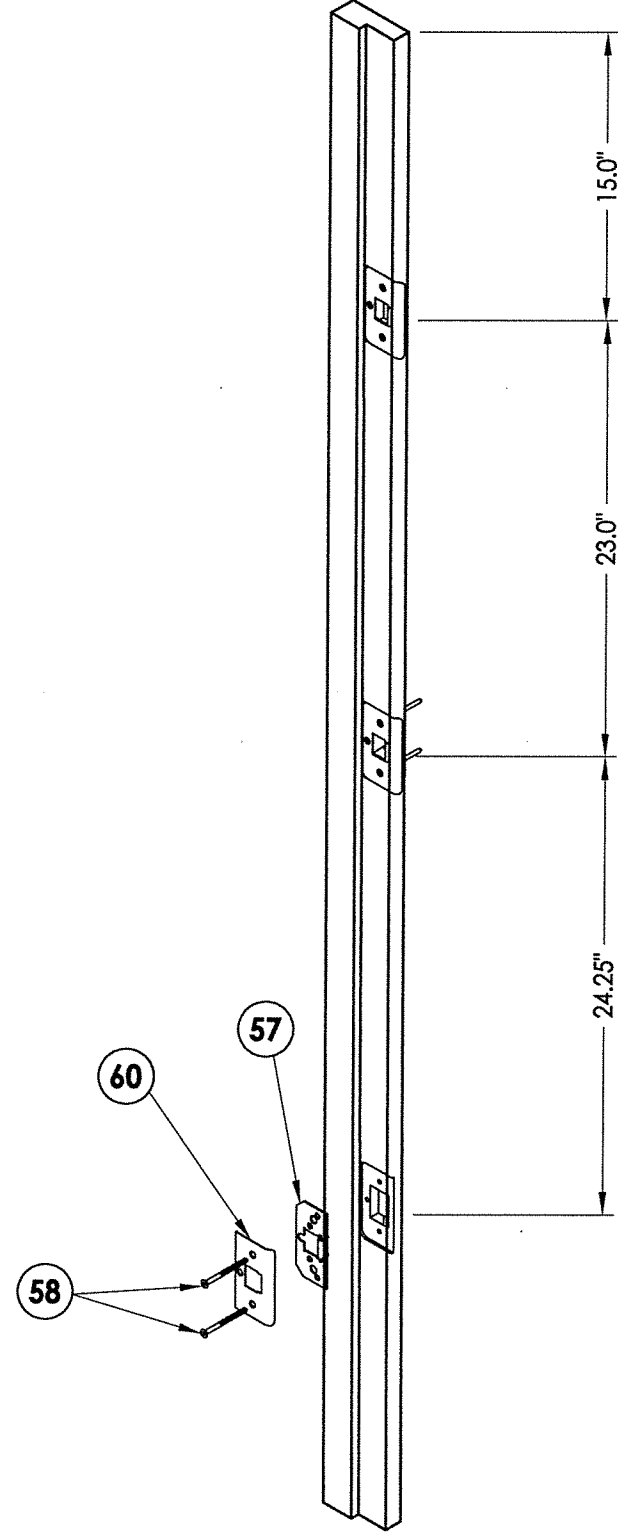
DRAWING NO.: TX-4162

SHEET 8 OF 11

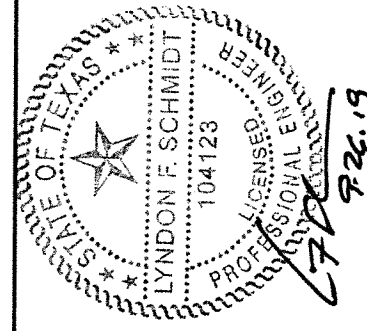




59 **W & F TRILENNIUM 3000 SERIES**  
3-Point Lock



STRIKE JAMB DETAIL



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

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		WINCORE FIBERGLASS DOOR	
PART OR ASSEMBLY:		3-POINT LOCK DETAILS	
NO.	DATE	REVISIONS	BY
1	9/18/19	ADD FLAT FRAME & UPDATE TO 2018 IBC	LFS

DATE: 05/30/12

SCALE: N.T.S.

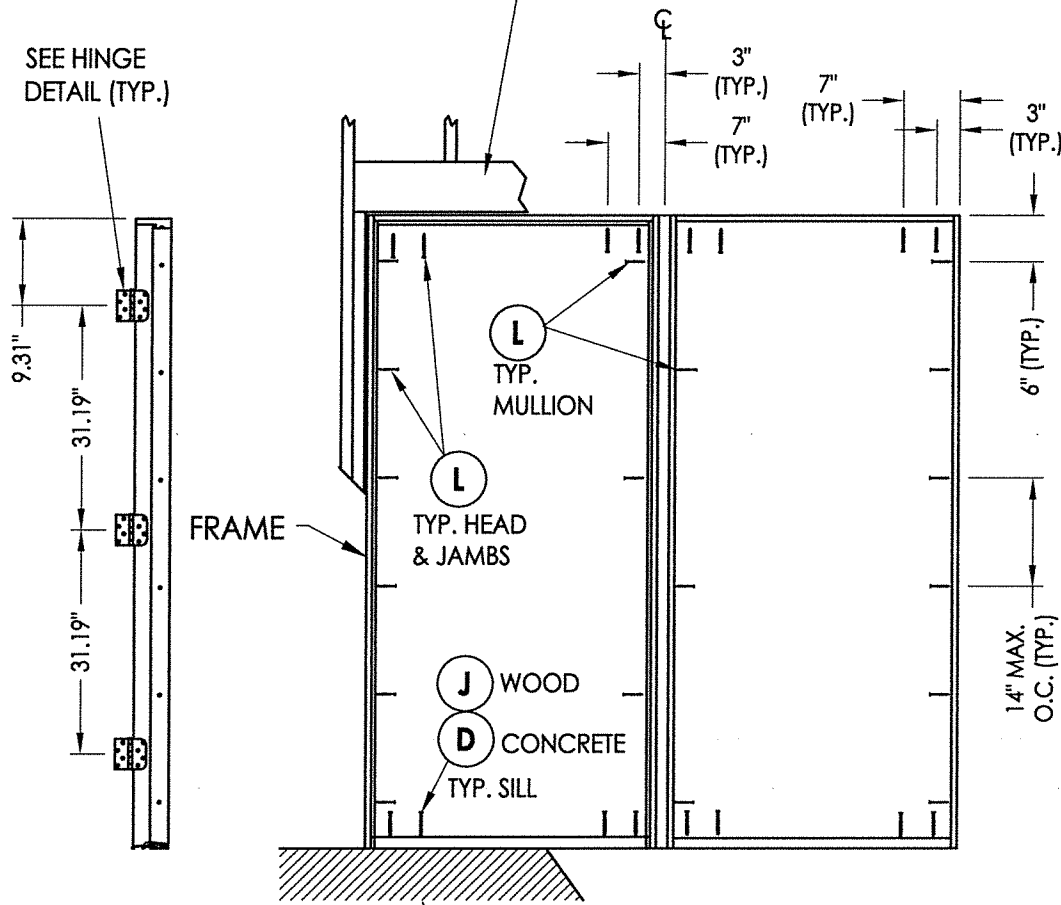
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CHK. BY: LFS

DRAWING NO.: TX-4162

SHEET 9 OF 11

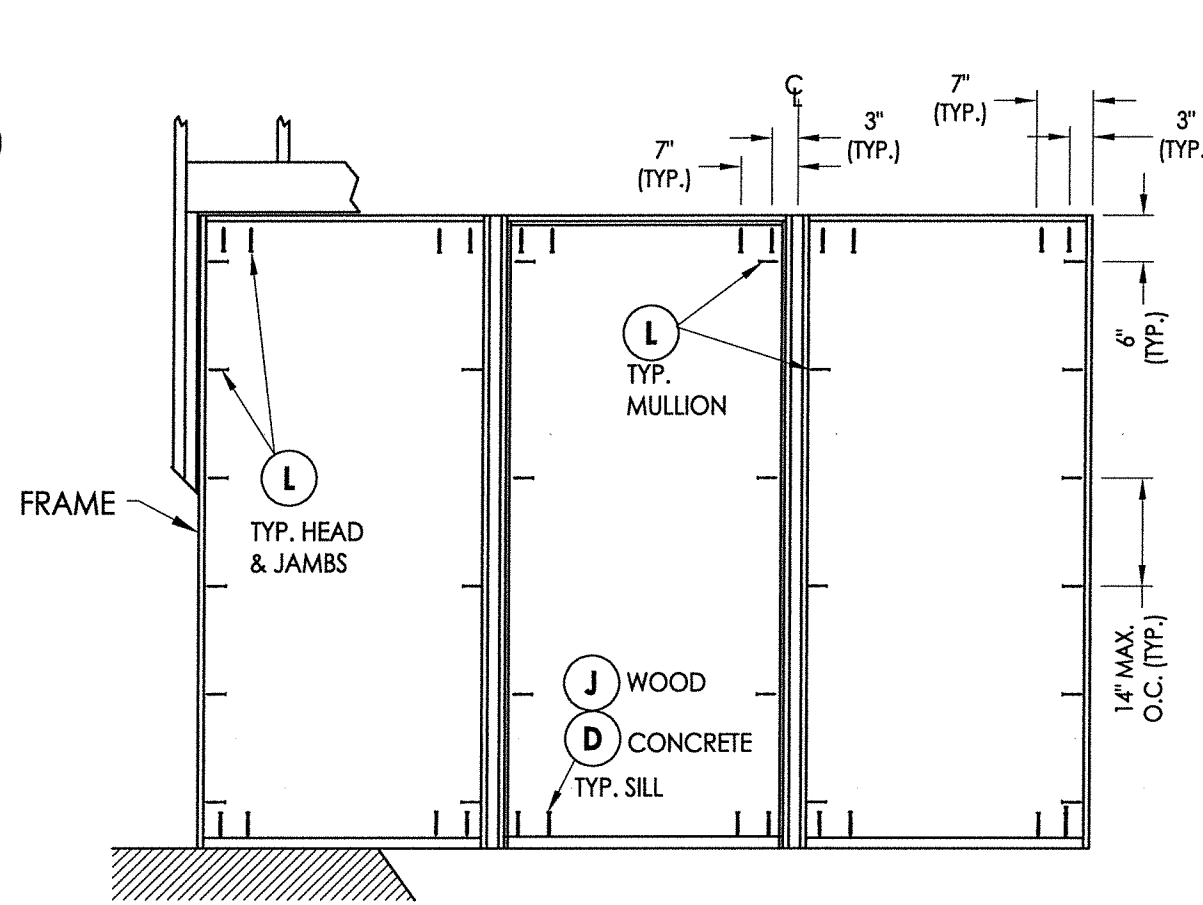
2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED (TYP.).



**HINGE JAMB/MULLION**

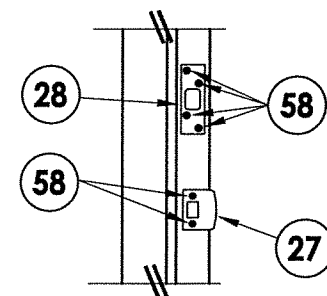
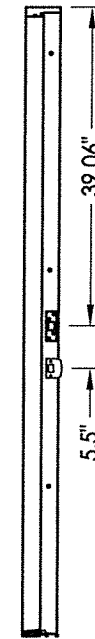
**FRAME ANCHORING**  
OX

FLOOR SUBSTRATE MATERIAL (TYP.)  
CONCRETE (MIN. 3000 PSI)  
WOOD (G >= 0.55)

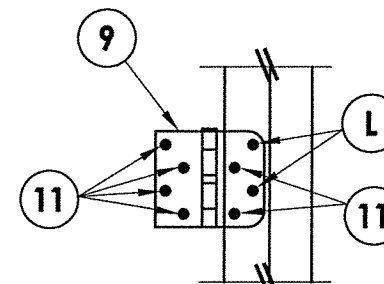


**FRAME ANCHORING**  
OXO

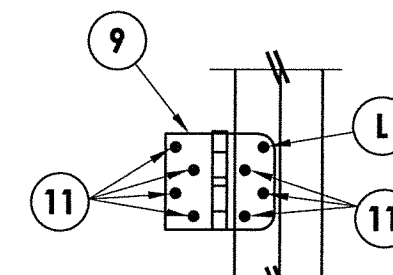
**STRIKE MULLION**



**LATCH AND DEADBOLT**  
Details



**HINGE DETAIL**  
Inswing



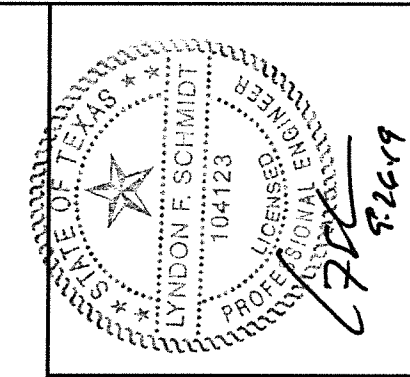
**HINGE DETAIL**  
Outswing

**CONCRETE ANCHOR NOTES:**

1. 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"	1-1/4"	2-1/2"	3"



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

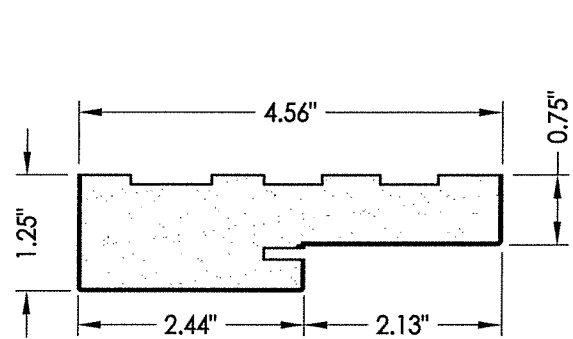
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P.O. Box 230 Vairco FL 33595  
Phone No.: 813.659.9197  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: WINCORE FIBERGLASS DOOR  
PART OR ASSEMBLY: FRAME ANCHORING

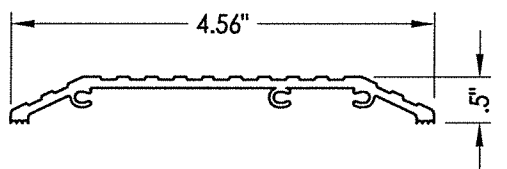
NO.	DATE	BY	REVISIONS
1	9/18/19	LFS	ADD FLAT FRAME & UPDATE TO 2018 IBC

DATE: 05/30/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4162  
SHEET 10 OF 11

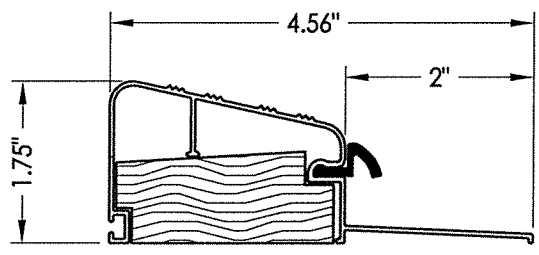
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
J	#10 X 3" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW	STEEL
K	#9 X 2-1/2" PFH WOOD SCREW	STEEL
1	POLY FIBER JAMB	COMP. / VINYL
3	EXT. FRAME (ODL)	ALUM.
4	INT. FRAME (ODL)	ALUM.
5	#7-19 X 1-3/4" PPH SELF-DRILLING SMS	STEEL
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	NON-STRUCTURAL SEALANT	SILICONE
13	STRUCTURAL SILICONE (DOW 995)	SILICONE
15	EXT. "FLAT" FRAME (ODL)	ALUM
16	INT. "FLAT" FRAME (ODL)	ALUM
17	#8 X 2" PPH SMS	STEEL
22	HOPPE - 3 POINT "TONGUE" MULTI-POINT LOCKSET	STEEL
23	MULTI-POINT STRIKE PLATE (TONGUE SYSTEM)	STEEL
25	LATCH AND DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
29	ADA THRESHOLD	ALUM
30	OUTSWING THRESHOLD	ALUM/WOOD
32	OUTSWING THRESHOLD	ALUM/WOOD
33	OUTSWING THRESHOLD	ALUM/COMP
35	OUTSWING SIDELITE ADAPTER	VINYL
36	INSWING THRESHOLD	ALUM/COMP
39	INSWING SIDELITE ADAPTER	VINYL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-
55	#10 X 1-1/2" PFH SCREW	STEEL
57	BACKING PLATE	STEEL
58	#8 X 2" PFH WS	STEEL
59	W & F TRILENNIUM SERIES 3000 - 3 POINT LOCK	-
60	MULTI-POINT STRIKE PLATE	STEEL
62	LOCK ASSEMBLY	STEEL
88	2X REINFORCEMENT SG >= 0.55	WOOD



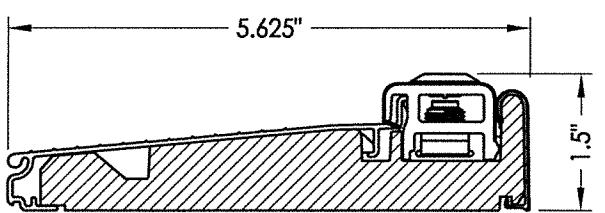
**1 POLY FIBER JAMB**  
Plastpro



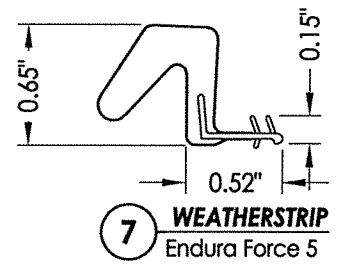
**29 ADA THRESHOLD**  
DLP



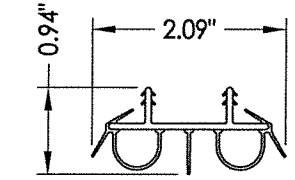
**30 OUTSWING THRESHOLD**  
DLP (QOSR)



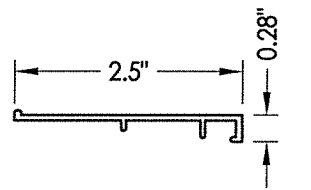
**36 INSWING THRESHOLD**  
Endura (Z-Series)



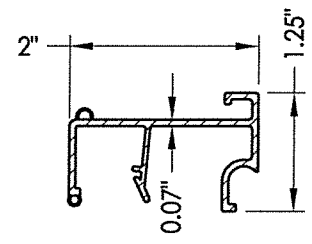
**7 WEATHERSTRIP**  
Endura Force 5



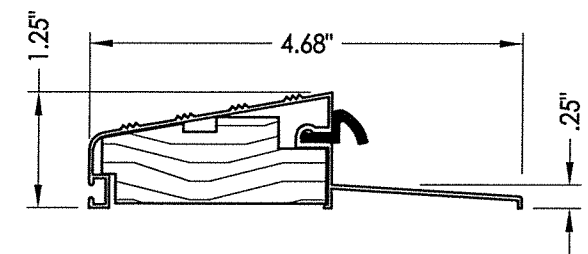
**8 DOOR BOTTOM SWEEP**



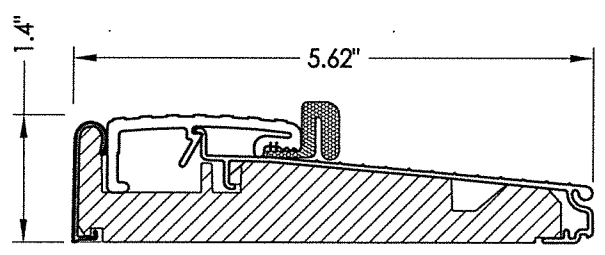
**35 OUTSWING SIDELITE ADAPTER**



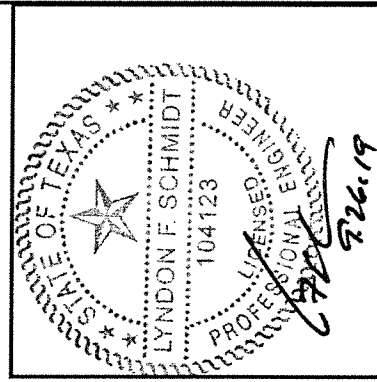
**39 INSWING SIDELITE ADAPTER**



**32 OUTSWING THRESHOLD**  
DLP (QOSH)



**33 OUTSWING THRESHOLD**  
Endura (Z-Series)



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

PRODUCT: WINCORE FIBERGLASS DOOR  
PART OR ASSEMBLY: BILL OF MATERIALS

NO.	DATE	REVISIONS	BY
1	9/18/19	ADD FLAT FRAME & UPDATE TO 2018 IBC	LFS

DATE: 05/30/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: TX-4162  
SHEET 11 OF 11