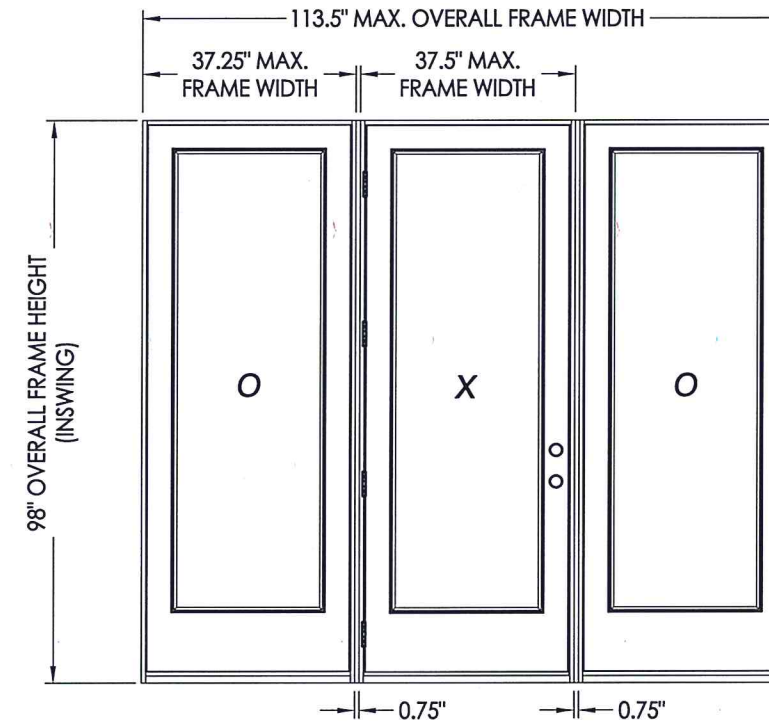
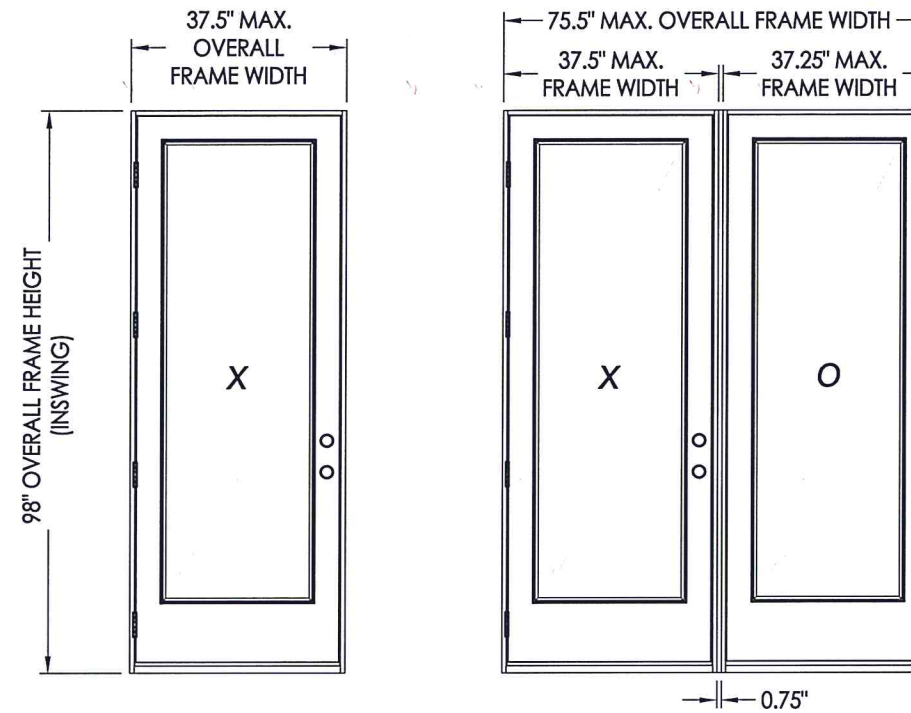


plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

FLUSH GLAZED FIBERGLASS DOORS SINGLES w/ or w/out SIDELITES IN SWING "IMPACT"



EVALUATED FOR USE IN THE STATE OF TEXAS

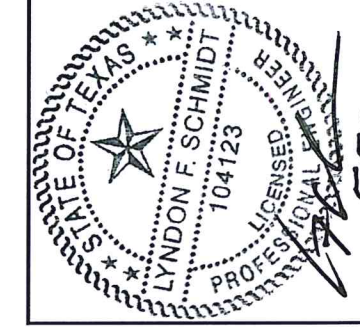
The Fiberglass Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

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	Vertical cross sections
6	Horizontal cross sections
7	Frame anchoring & hardware details
8	Bill of materials and components

CONFIG.	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING	
		POS.	NEG.
XX	37.5" x 98.0"	+50.0	-55.0
OX/XO	75.5" x 98.0"	+50.0	-55.0
OXO	113.5" x 98.0"	+50.0	-55.0



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

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Phone No.: 813.659.9197

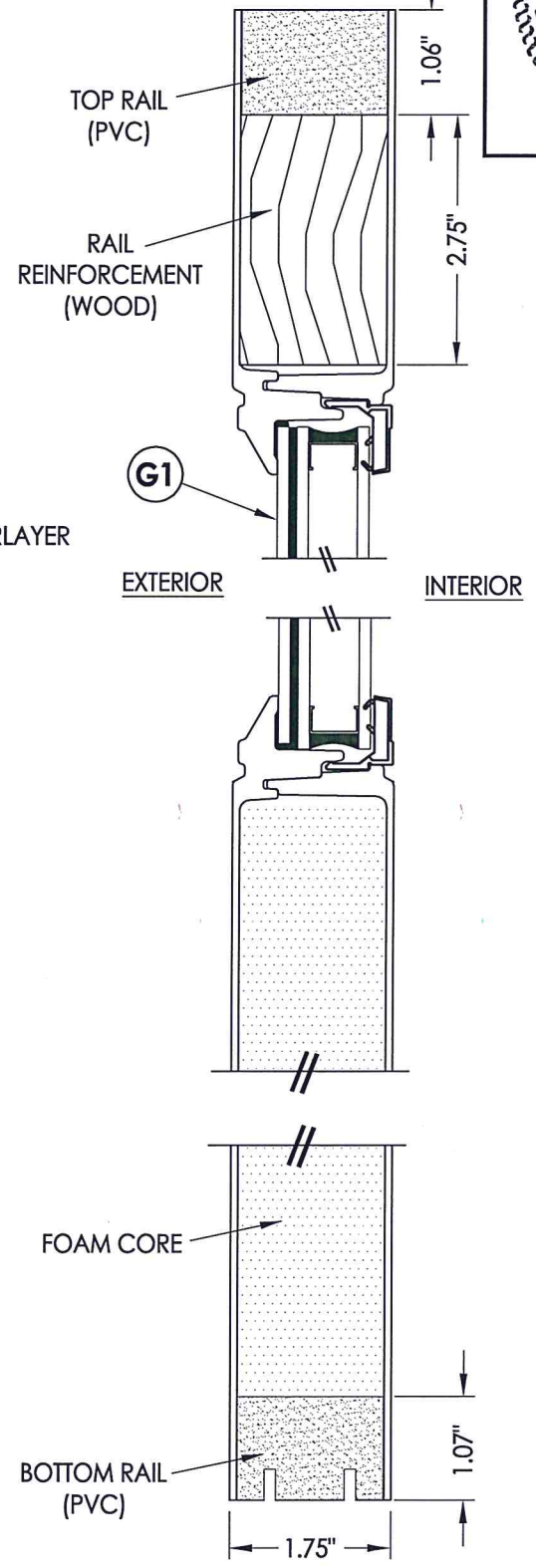
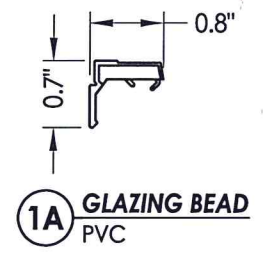
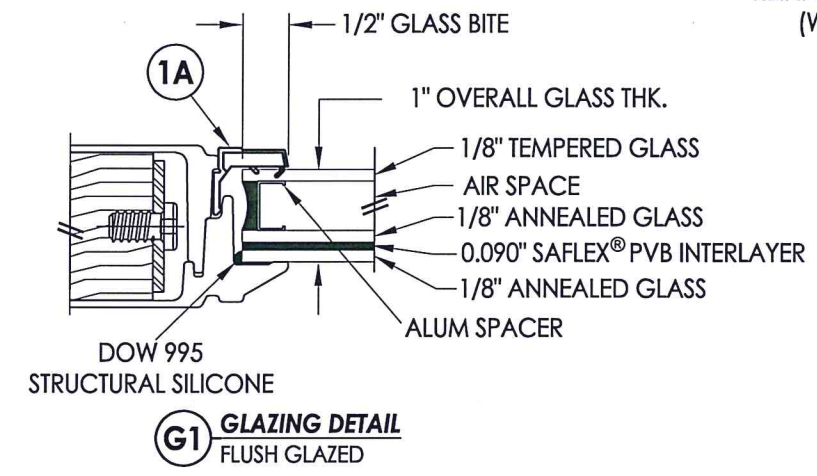
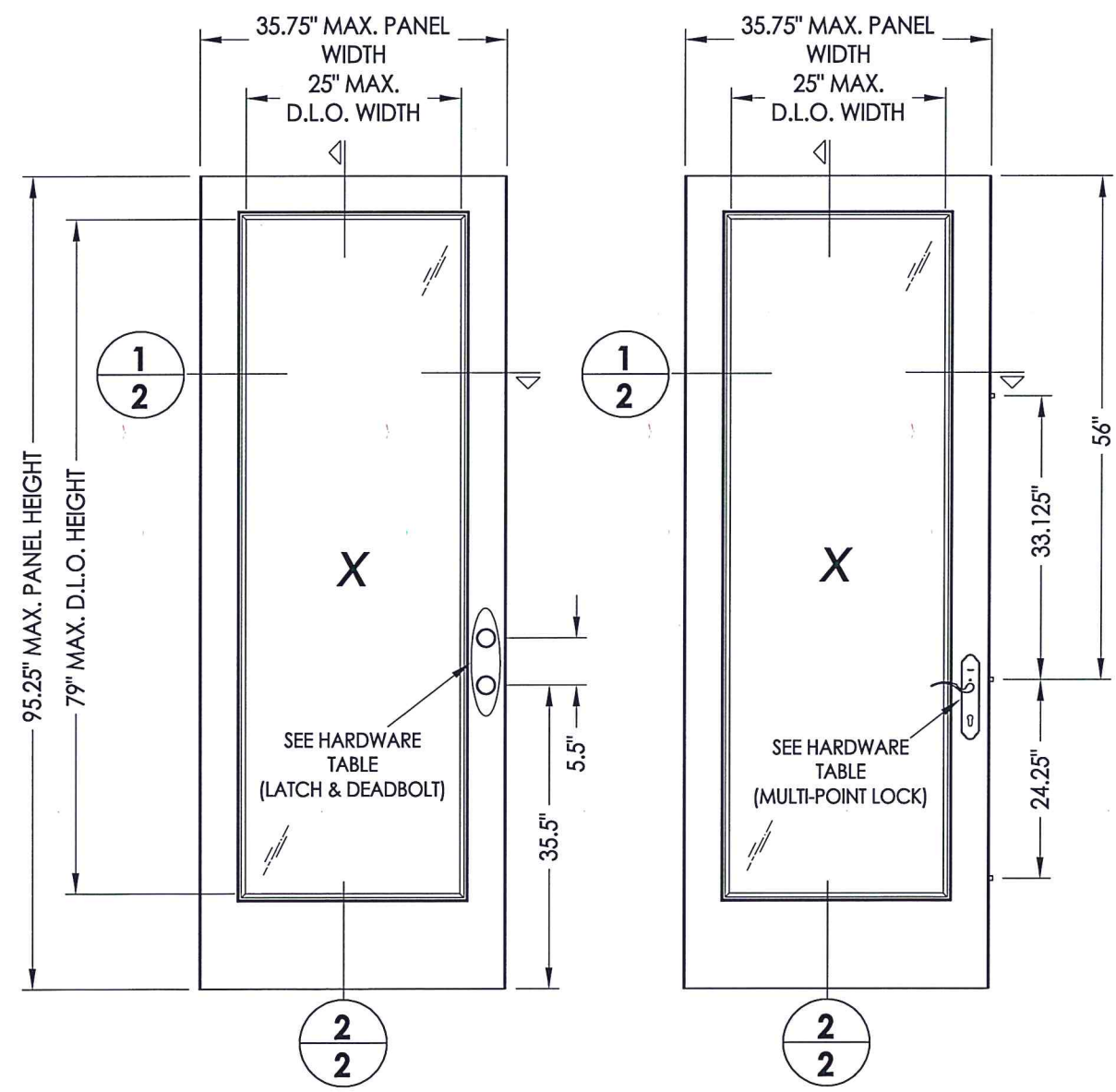
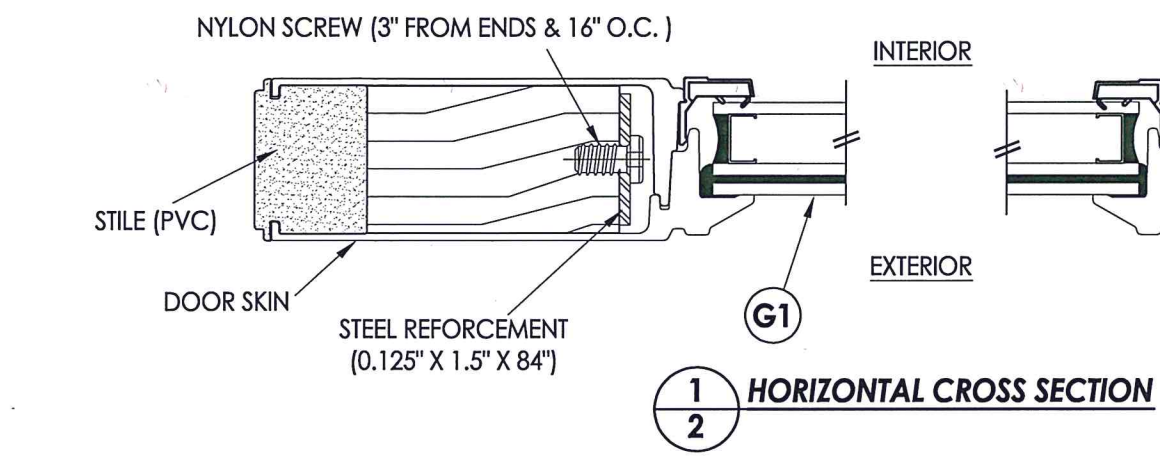
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

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

NO.	DATE	BY	REVISIONS
1	5/05/20	LFS	UPDATE TO 2018 IBC/IRC CODE

DATE: 1/13/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4596
SHEET 1 OF 8

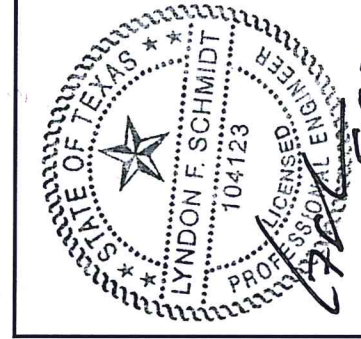
R:\Clients\Plastpro, Inc PERMANENT\B - TD\TDI - DR 786 Flush Glazed ImpactC - Drawings\TX-4596.dwg, 2



HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SERIES (660)
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60N
YALE	KNOB:	NEW TRADITIONS
	DEADBOLT:	YH 82
ENDURA PRODUCTS	MULTI-POINT LOCK: TRILENNIUM 3000 SERIES (3 PT.)	

DOOR SKIN: FIBERGLASS (0.086" MIN. THK.)
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)

40 **PLASTPRO DOOR PANEL**
FLUSH GLAZED



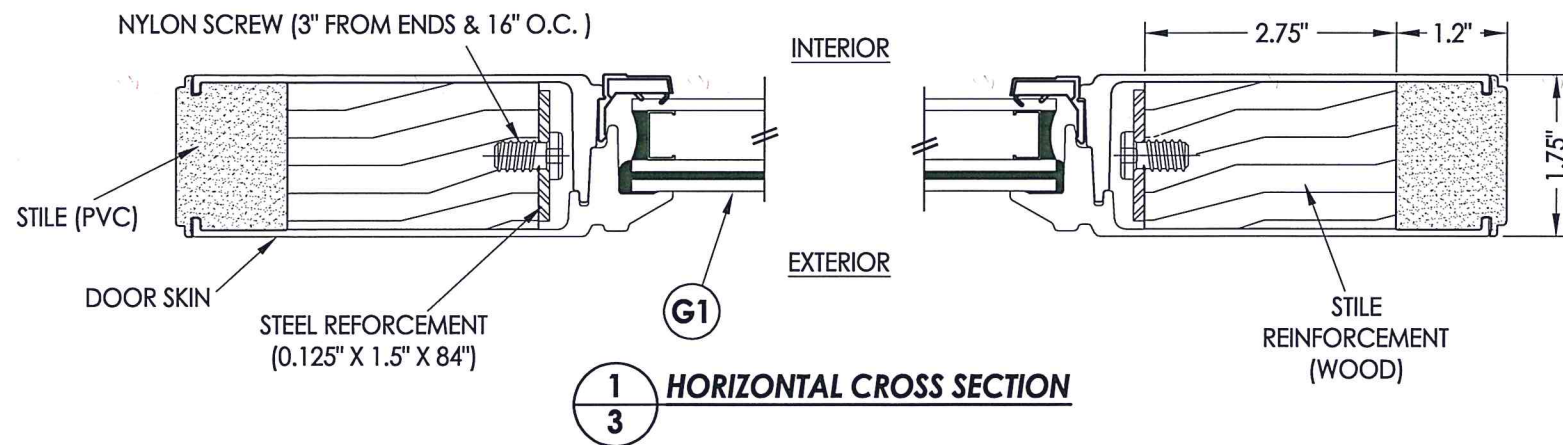
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

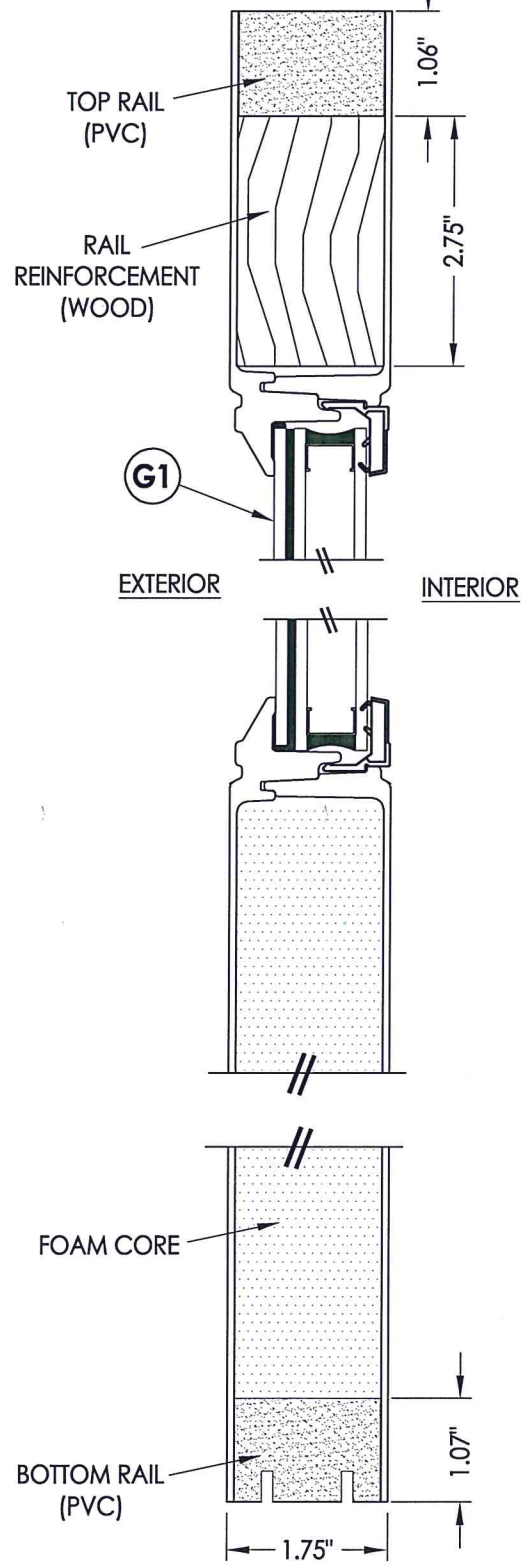
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS
DATE:	1/13/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4596
SHEET	2 OF 8

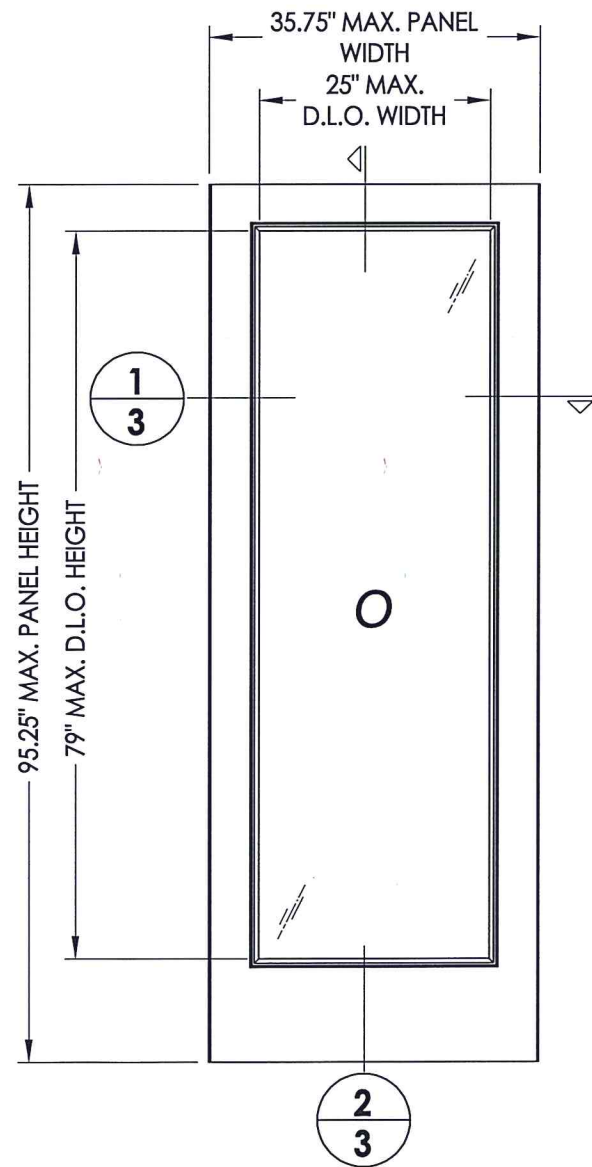
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1
3 HORIZONTAL CROSS SECTION

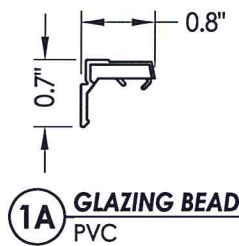
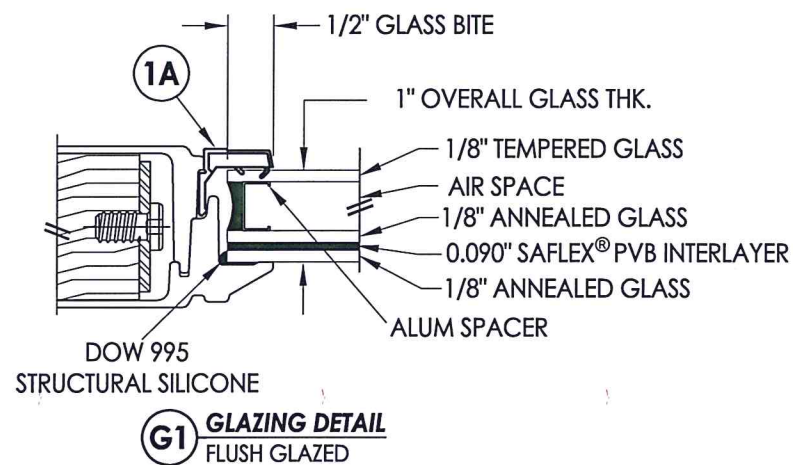


2
3 VERTICAL CROSS SECTION



50 PLASTPRO SIDELITE PANEL
FLUSH GLAZED

DOOR SKIN: FIBERGLASS (0.086" MIN. THK.)
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)



1A GLAZING BEAD
PVC



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:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	SIDELITE PANEL DETAILS

NO.	DATE	DESCRIPTION	LFS	BY
1	5/05/20	UPDATE TO 2018 IBC/IRC CODE	LFS	BY

DATE: 1/13/16

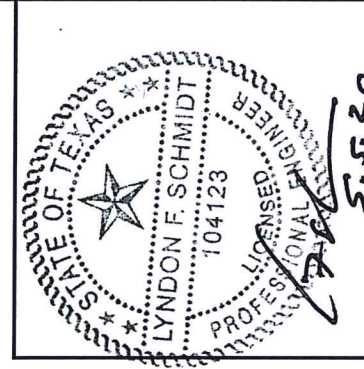
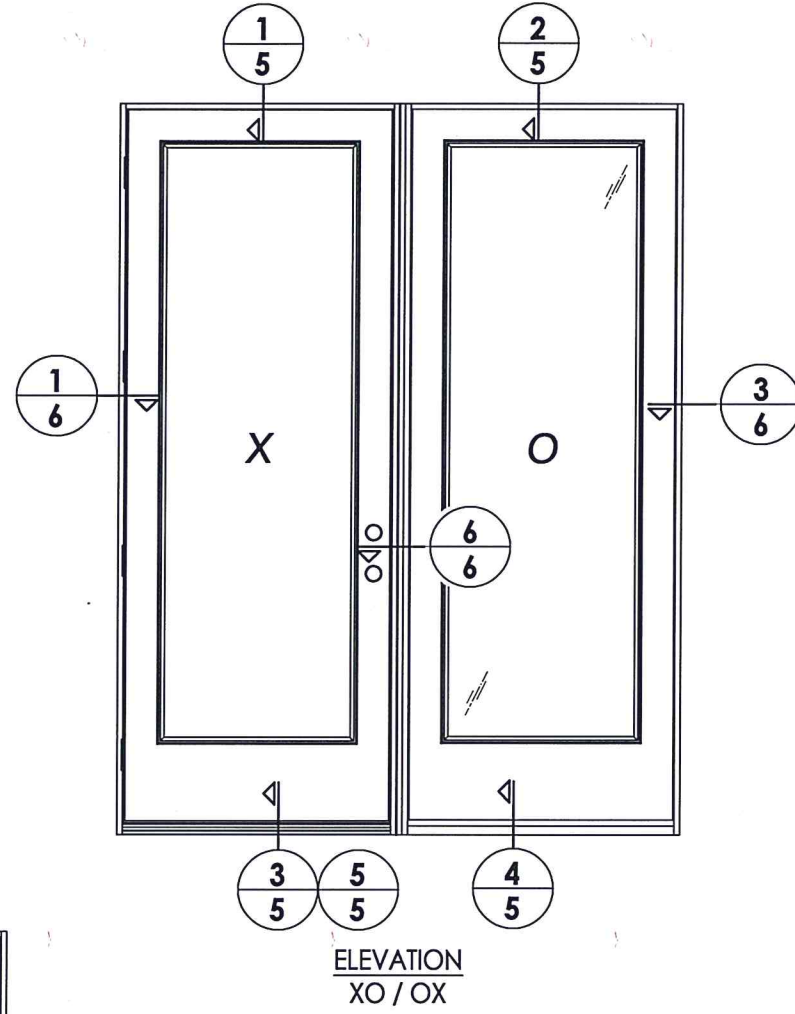
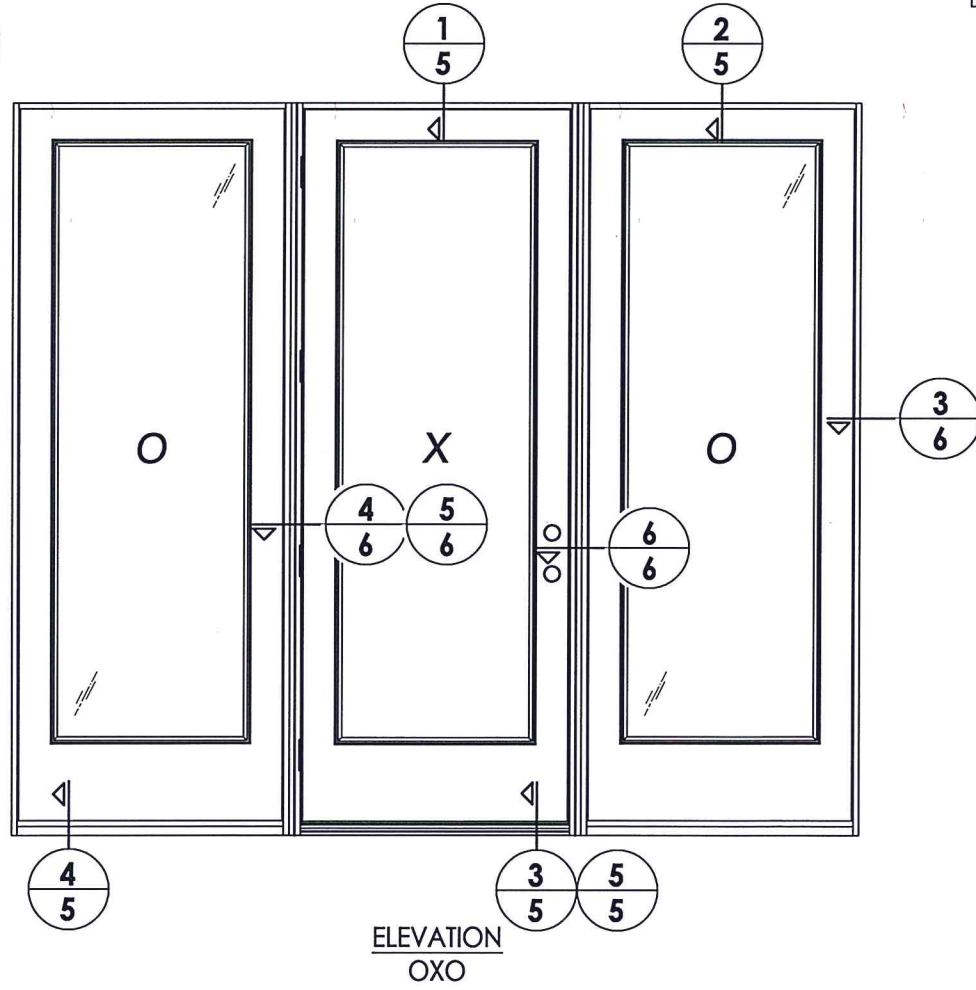
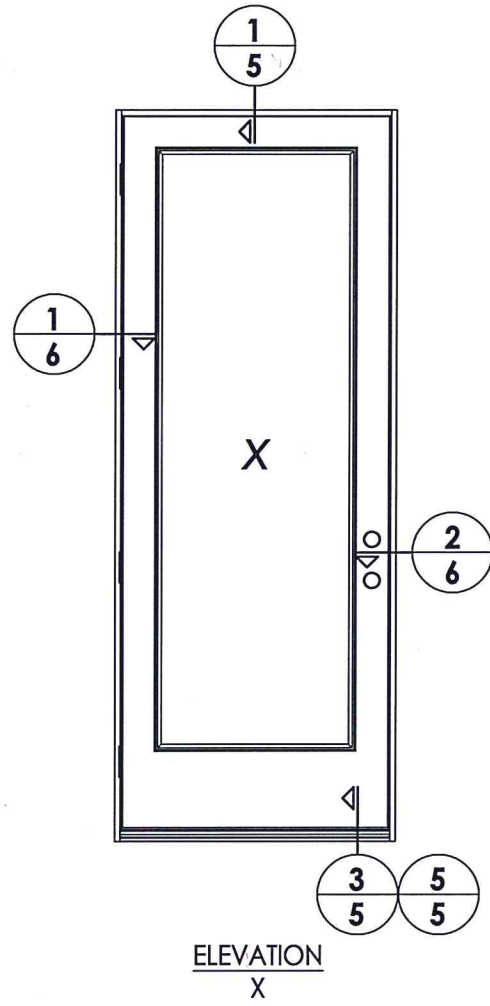
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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: TX-4596

SHEET 3 OF 8



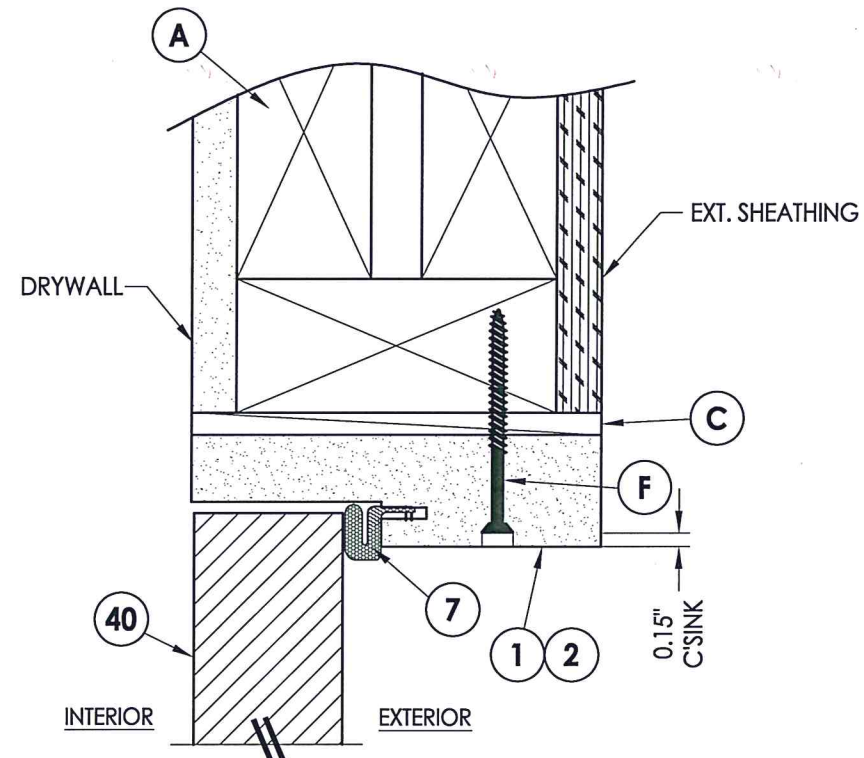
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Phone No.: 813.659.9197

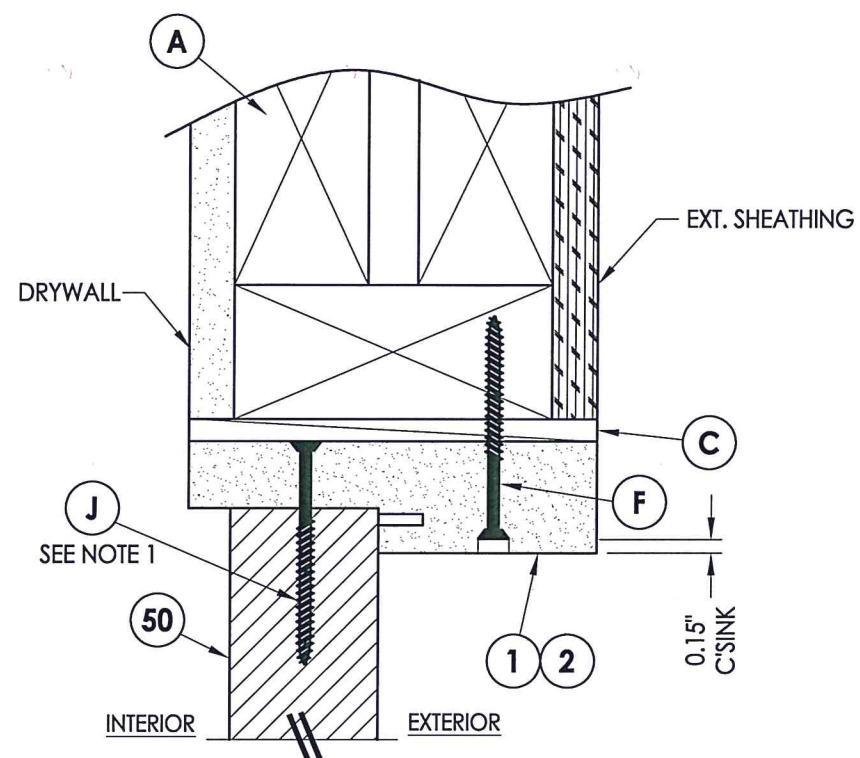
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO FIBERGLASS DOOR		PART OR ASSEMBLY: ELEVATIONS	
NO.	DATE	REVISIONS	
1	5/05/20	UPDATE TO 2018 IBC/IRC CODE	LFS
			BY
DATE: 1/13/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: TX-4596		SHEET 4 OF 8	

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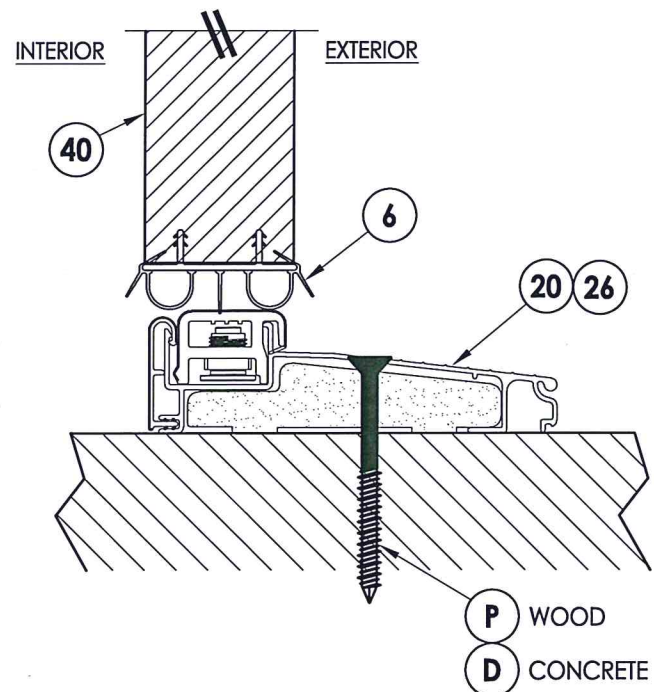


1 VERTICAL CROSS SECTION
5

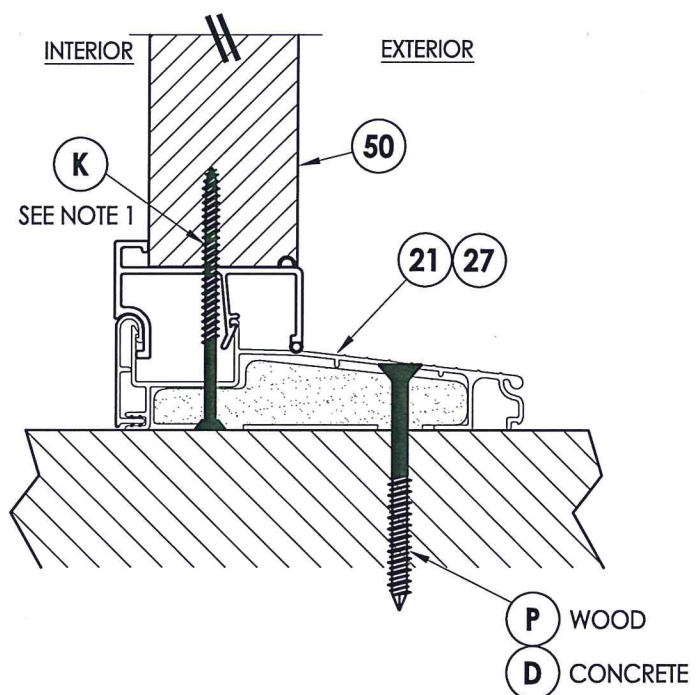


2 VERTICAL CROSS SECTION
5

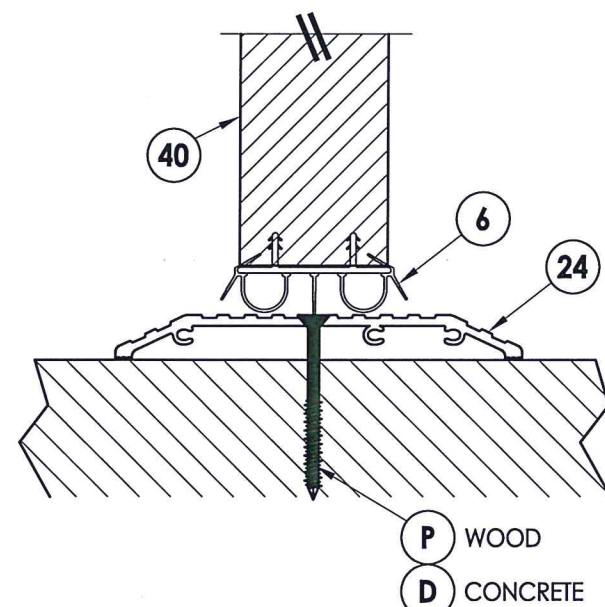
1. NOTE:
Spacing for items J & K @ head & sill: 6" from each end.



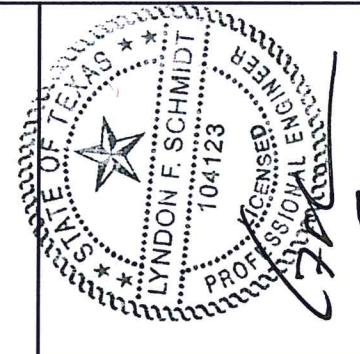
3 VERTICAL CROSS SECTION
5 Inswing sill



4 VERTICAL CROSS SECTION
5 Inswing sill



5 VERTICAL CROSS SECTION
5 ADA Sill



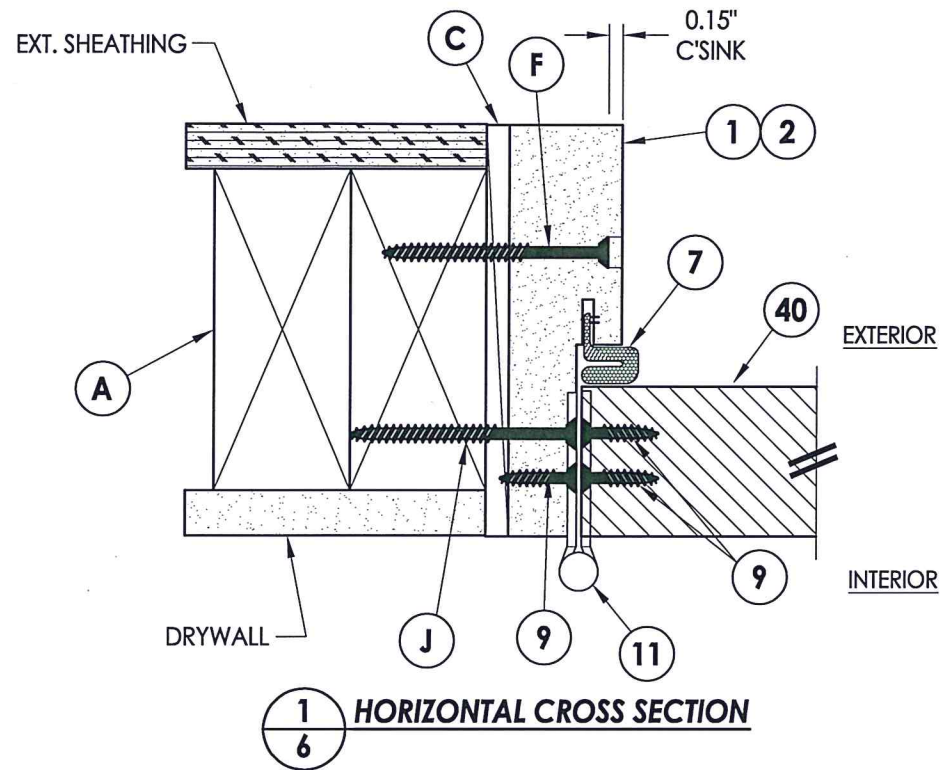
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

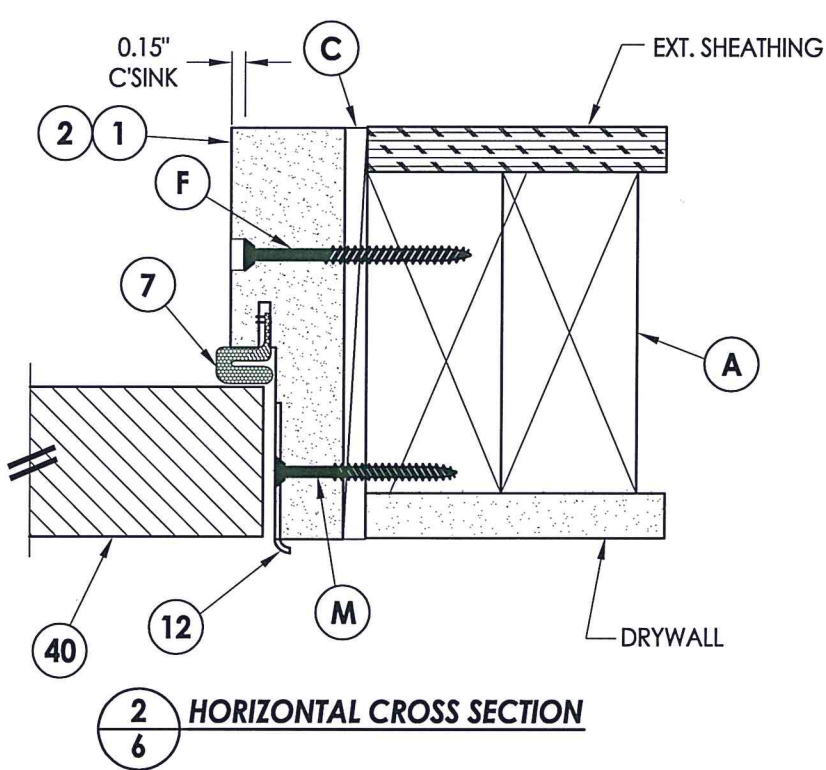
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	DESCRIPTION	BY
1	5/05/20	UPDATE TO 2018 IBC/IRC CODE	LFS
REVISIONS			
DATE: 1/13/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4596			
SHEET 5 OF 8			

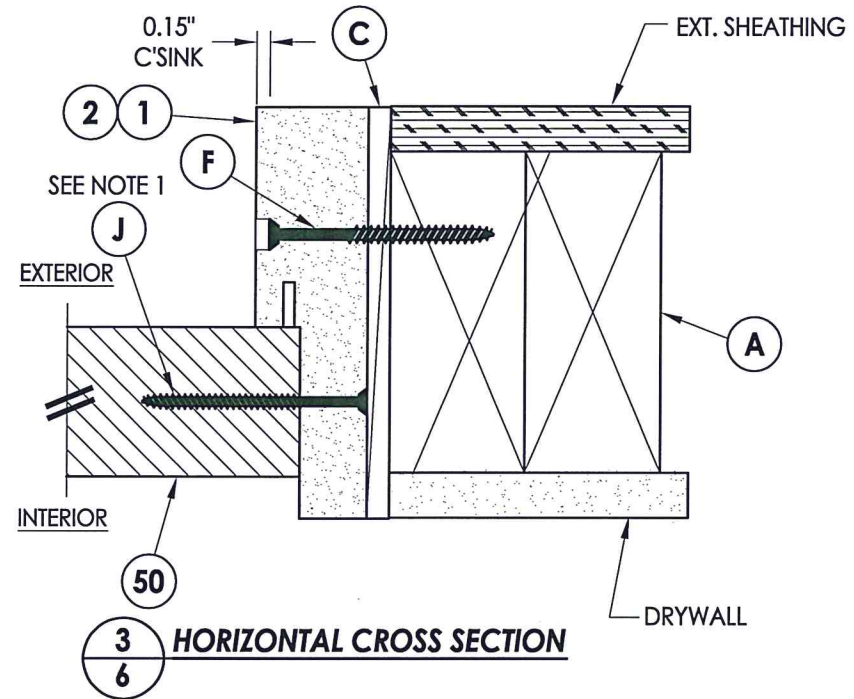
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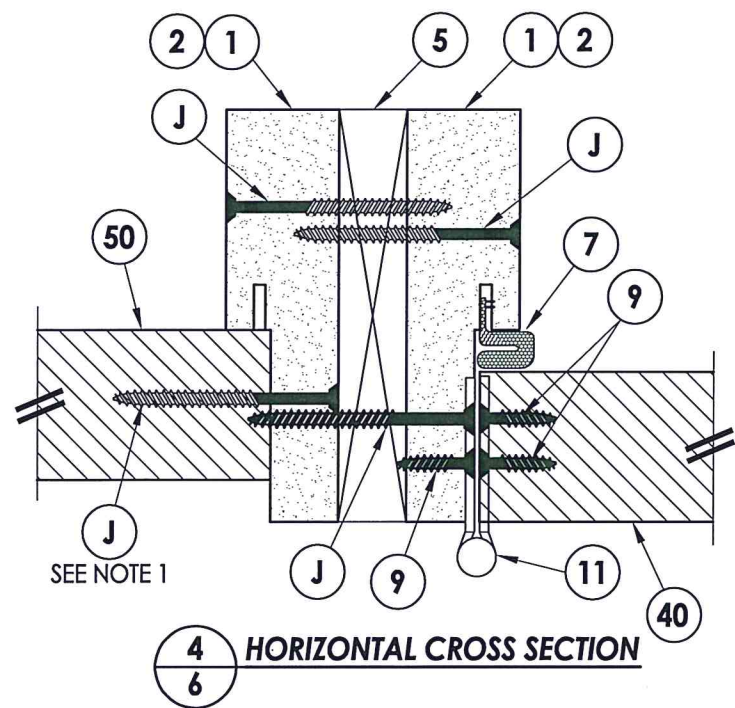
1
6 HORIZONTAL CROSS SECTION



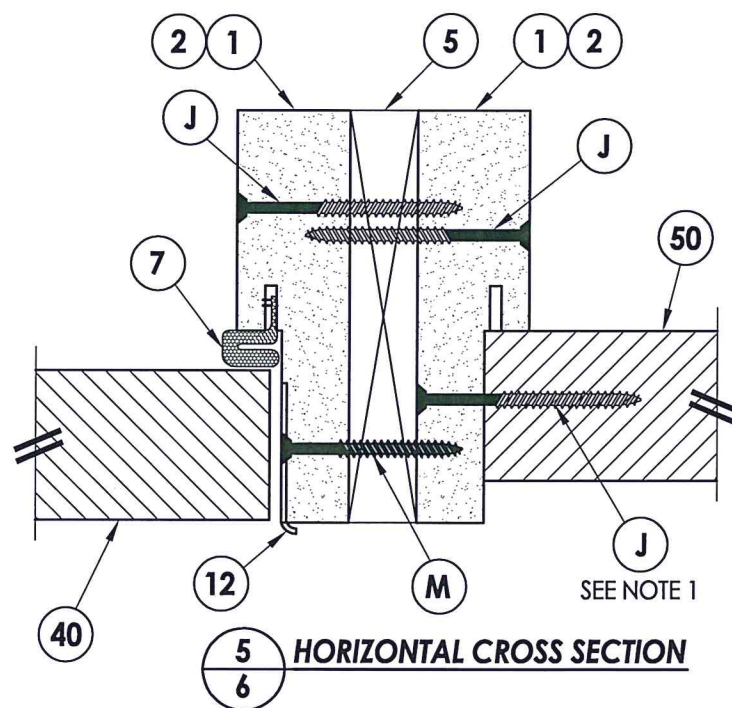
2
6 HORIZONTAL CROSS SECTION



3
6 HORIZONTAL CROSS SECTION

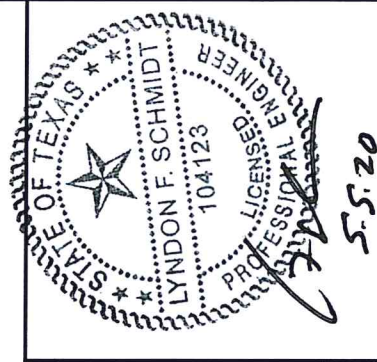


4
6 HORIZONTAL CROSS SECTION



5
6 HORIZONTAL CROSS SECTION

NOTE:
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).

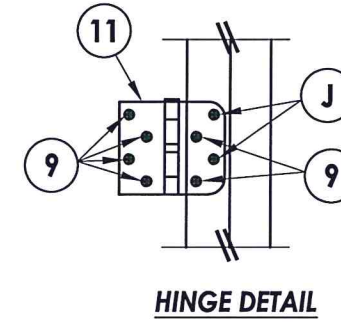
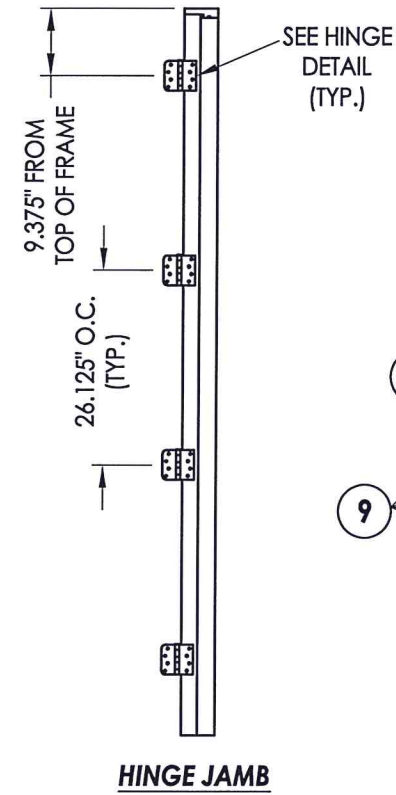
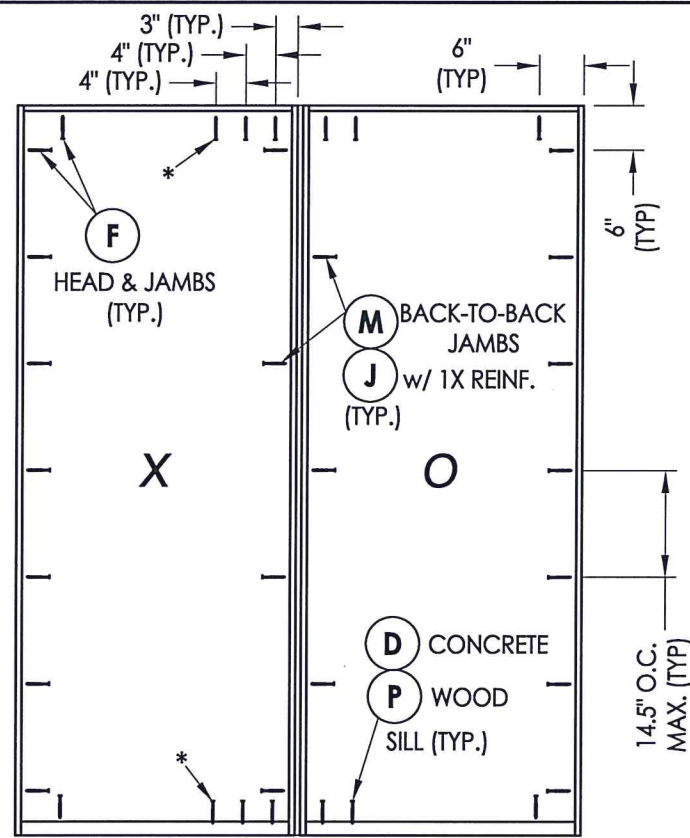
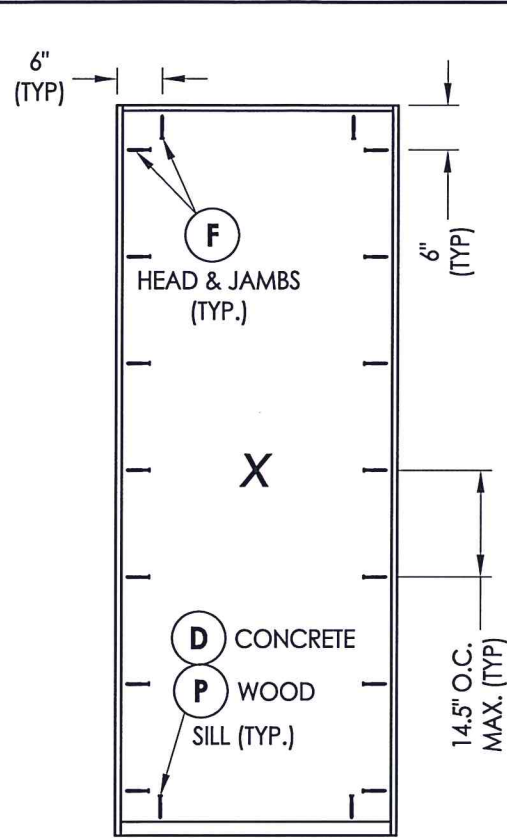


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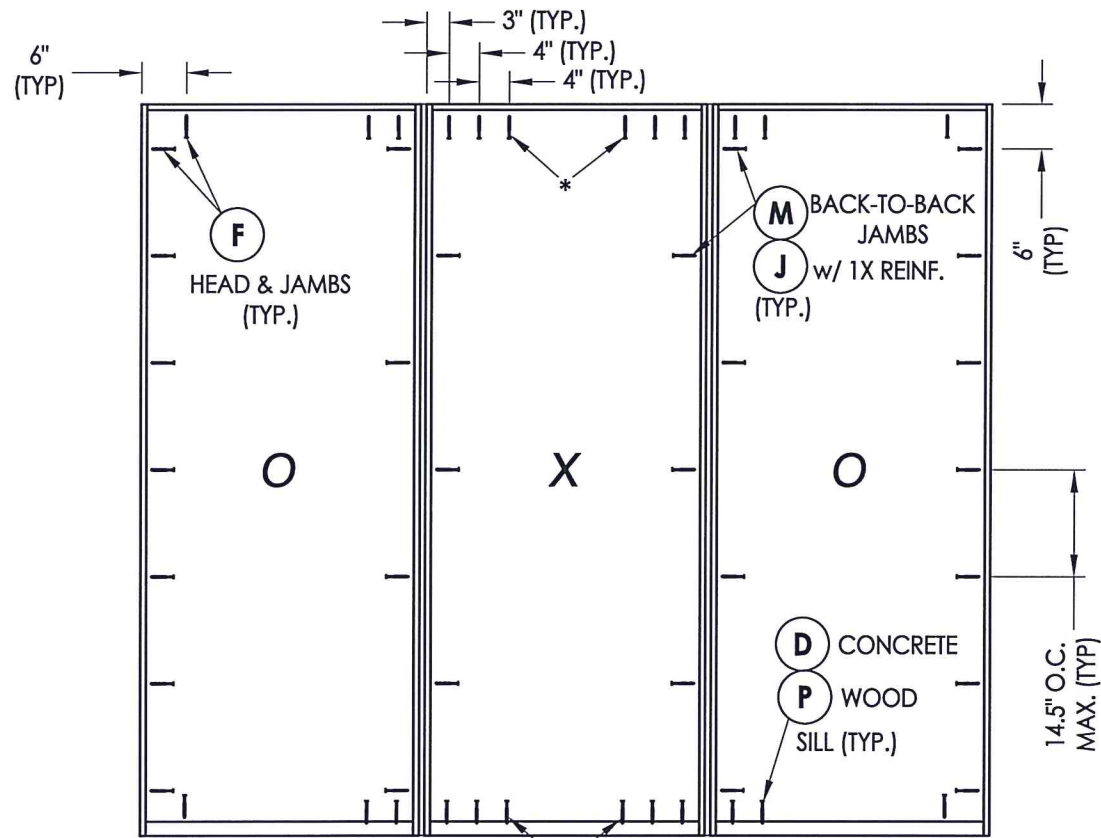
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P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

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

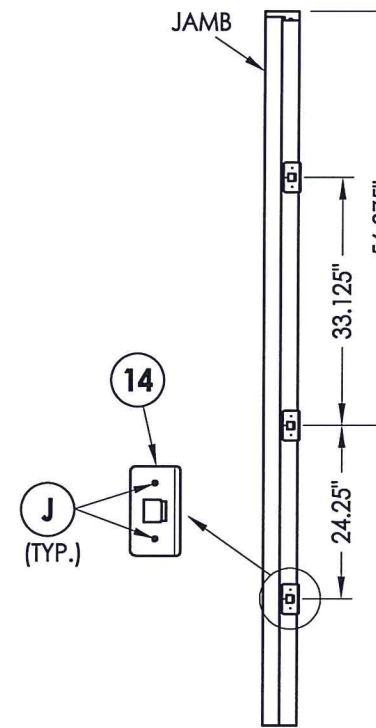
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PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS
DATE:	1/13/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4596
SHEET	6 OF 8
NO.	1
DATE	5/05/20
UPDATE TO	2018 IBC/IRC CODE
BY	LFS
REVISIONS	



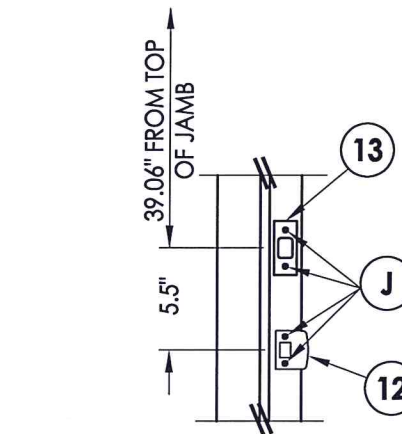
HINGE DETAIL



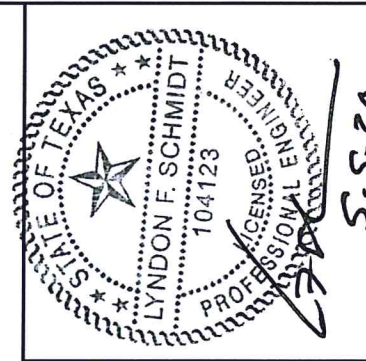
FRAME ANCHORING



MULTI-POINT LOCK STRIKE PLATE DETAILS



LATCH AND DEADBOLT STRIKE PLATE DETAILS



Documents Prepared By: Lyndon F. Schmidt, P.E.
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Phone No.: 813.659.9197

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

PRODUCT: PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

NO.	DATE	DESCRIPTION	BY
1	5/05/20	UPDATE TO 2018 IBC/IRC CODE	LFS
REVISIONS			

DATE: 1/13/16

SCALE: N.T.S.

DWG. BY: JK

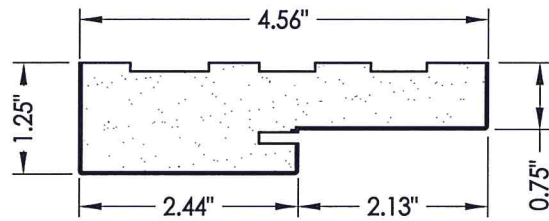
CHK. BY: LFS

DRAWING NO.: TX-4596

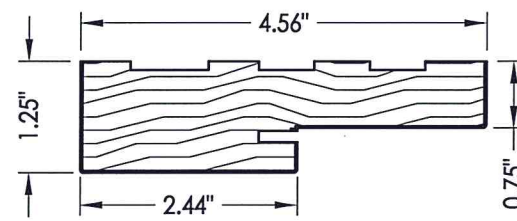
SHEET 7 OF 8

*Additional anchor @ sill req'd for DP > 40 psf.

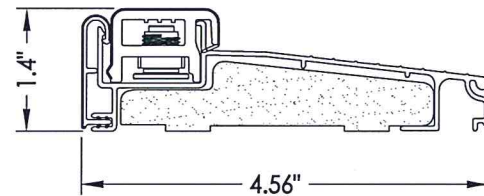
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW	STEEL
M	#10 X 2" PFH WOOD SCREW	STEEL
1	POLY FIBER JAMB	COMP.
2	WOOD JAMB	WOOD
5	1X REINFORCEMENT (G >= 0.55)	WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP (ENDURA FORCE 5)	FOAM
9	#9 x 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	MULTI-POINT LOCK STRIKE PLATE	STEEL
20	INSWING THRESHOLD	ALUM/COMP
21	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
24	ADA THRESHOLD	ALUM
26	INSWING THRESHOLD	ALUM/WOOD
27	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/WOOD
40	DOOR PANEL	-
50	SIDELITE PANEL	-



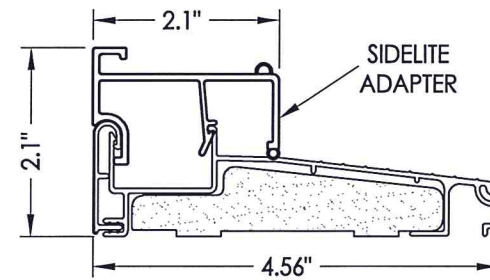
1 POLY FIBER JAMB



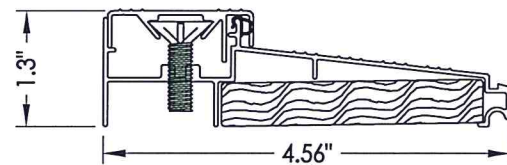
2 WOOD JAMB



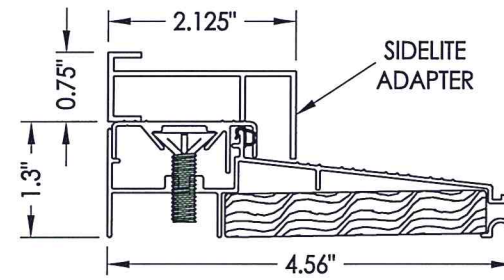
20 INSWING THRESHOLD
Endura (Z-Series)



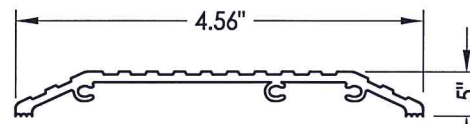
21 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



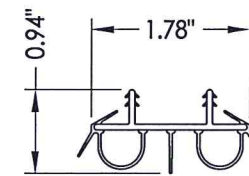
26 INSWING THRESHOLD
DLP (ISCS)



27 INSWING THRESHOLD w/ SIDELITE ADAPTER
DLP (ISCS)



24 ADA THRESHOLD
DLP



6 SWEEP

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"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

- Concrete: 3,000 psi min. conforming to ACI 301.

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.



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

PRODUCT: PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	DESCRIPTION	LFS	BY
1	5/05/20	UPDATE TO 2018 IBC/IRC CODE	LFS	

DATE: 1/13/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4596
SHEET 8 OF 8