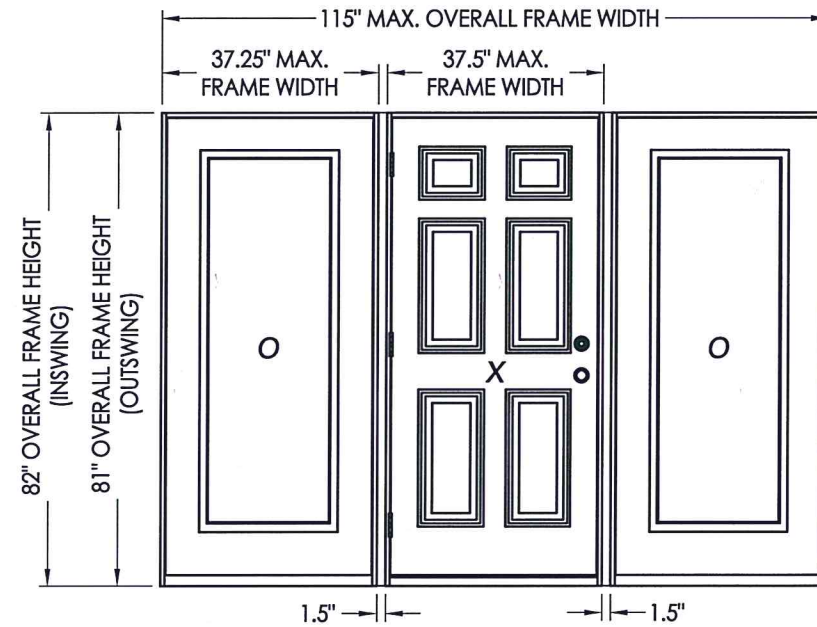
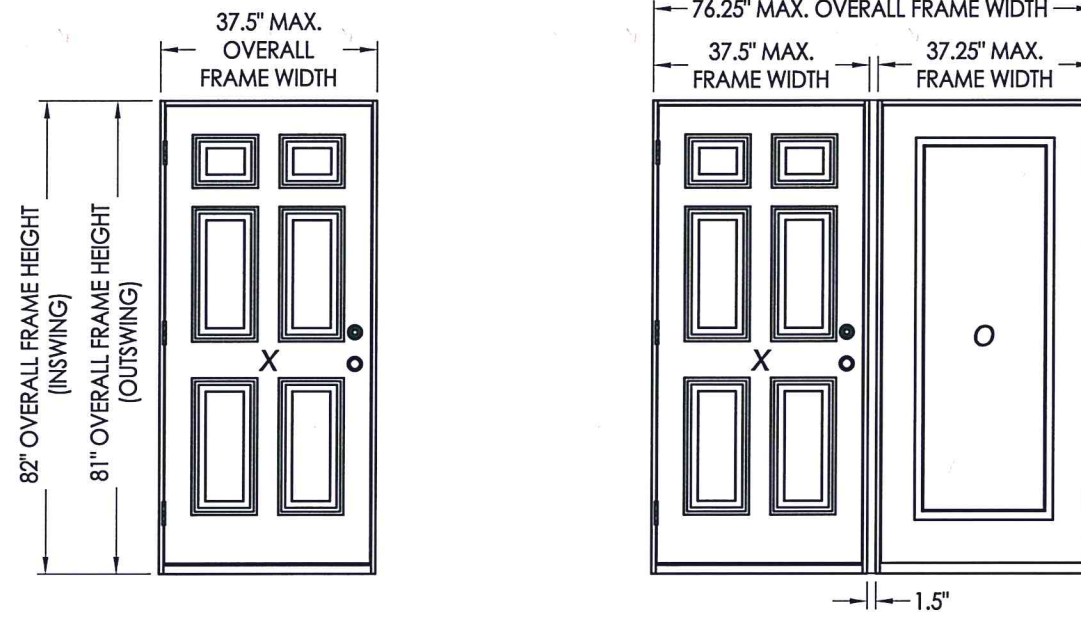


plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

OPAQUE FIBERGLASS DOORS SINGLES w/ or w/out SIDELITES IN SWING / OUT SWING "IMPACT"



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

R.W. 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

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.

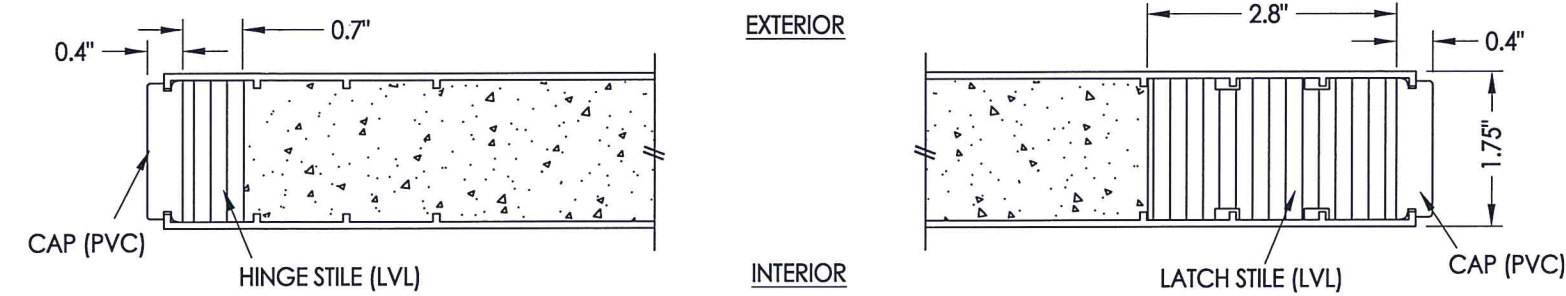
TABLE OF CONTENTS

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	Lite frame & glazing details
9	Bill of materials and components

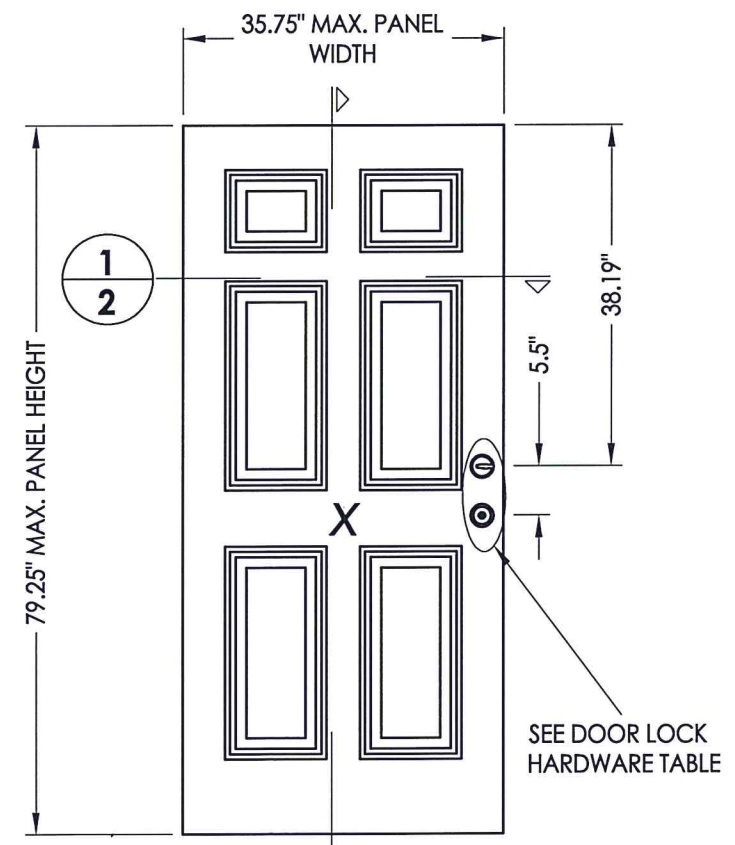
CONFIG.	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POS.	NEG.	POS.	NEG.
X	37.5" x 82.0"				
OX / XO	76.5" x 82.0"	+50.0	-50.0	+50.0	-50.0
OXO	115.5" x 82.0"				

PRODUCT:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE:	11/11/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4479
SHEET	1 OF 9

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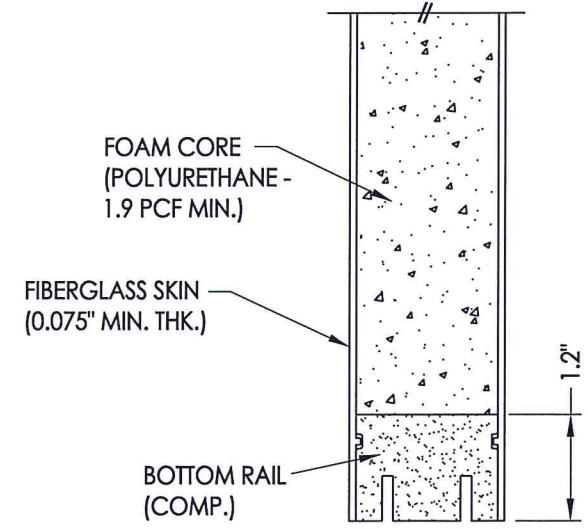
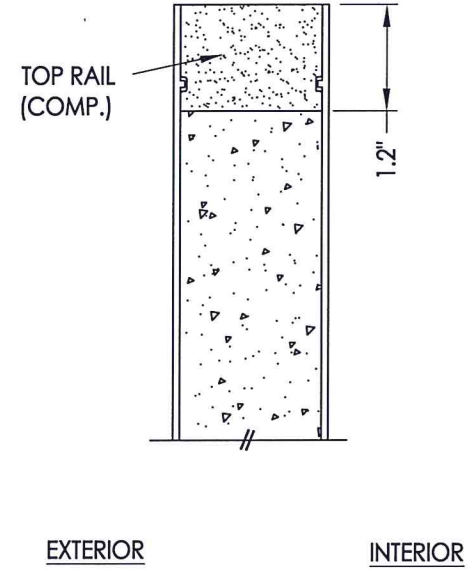


1
2 **HORIZONTAL CROSS SECTION**



40 **PLASTPRO DOOR PANEL**

DOOR LOCK HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: KWIKSET SERIES (400)
	DEADBOLT: KWIKSET SERIES (660)
SCHLAGE	HANDLE SET: "F" SERIES (F10)
	DEADBOLT: "B" SERIES (B60/62)



2
2 **VERTICAL CROSS SECTION**

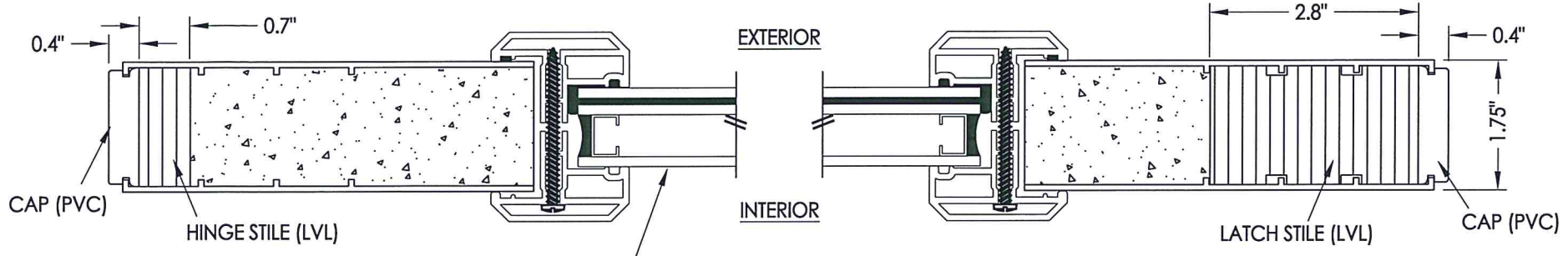


Documents Prepared By: Lyndon F. Schmidt, P.E.
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5-11-20
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CERTIFICATE OF REGISTRATION # F-11852

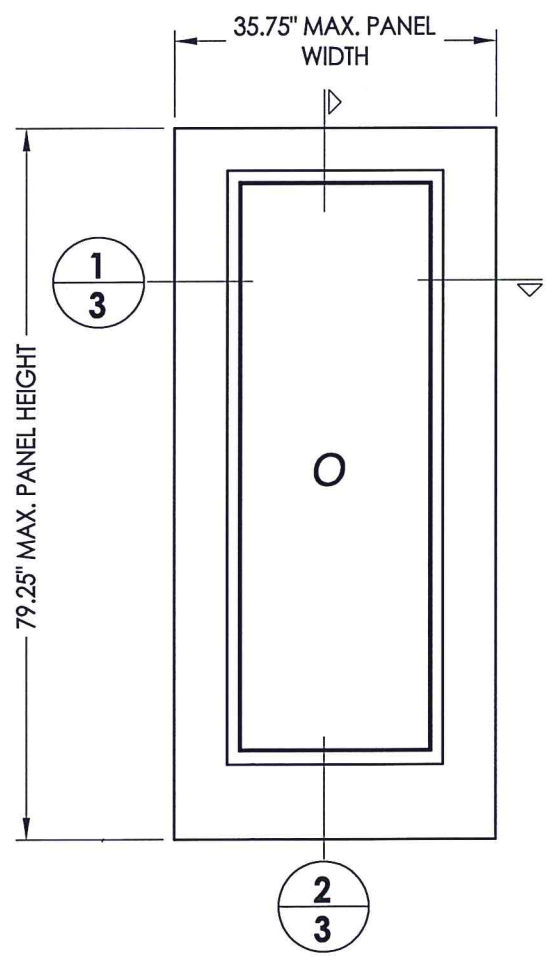
PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	REVISIONS
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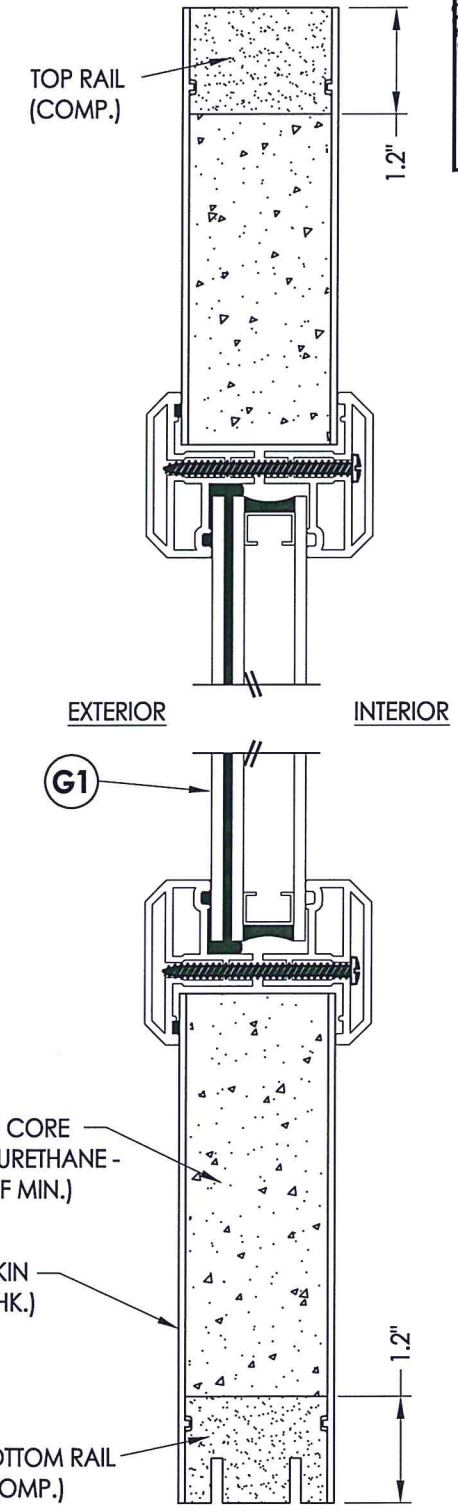
DATE: 11/11/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4479
SHEET 2 OF 9



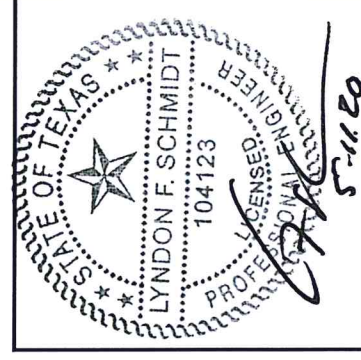
1
3 HORIZONTAL CROSS SECTION



50 PLASTPRO SIDELITE PANEL



2
3 VERTICAL CROSS SECTION



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

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: SIDELITE PANEL DETAILS

REVISIONS	
NO.	DATE
1	5/07/20
	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME
	LFS
	BY

DATE: 11/11/14

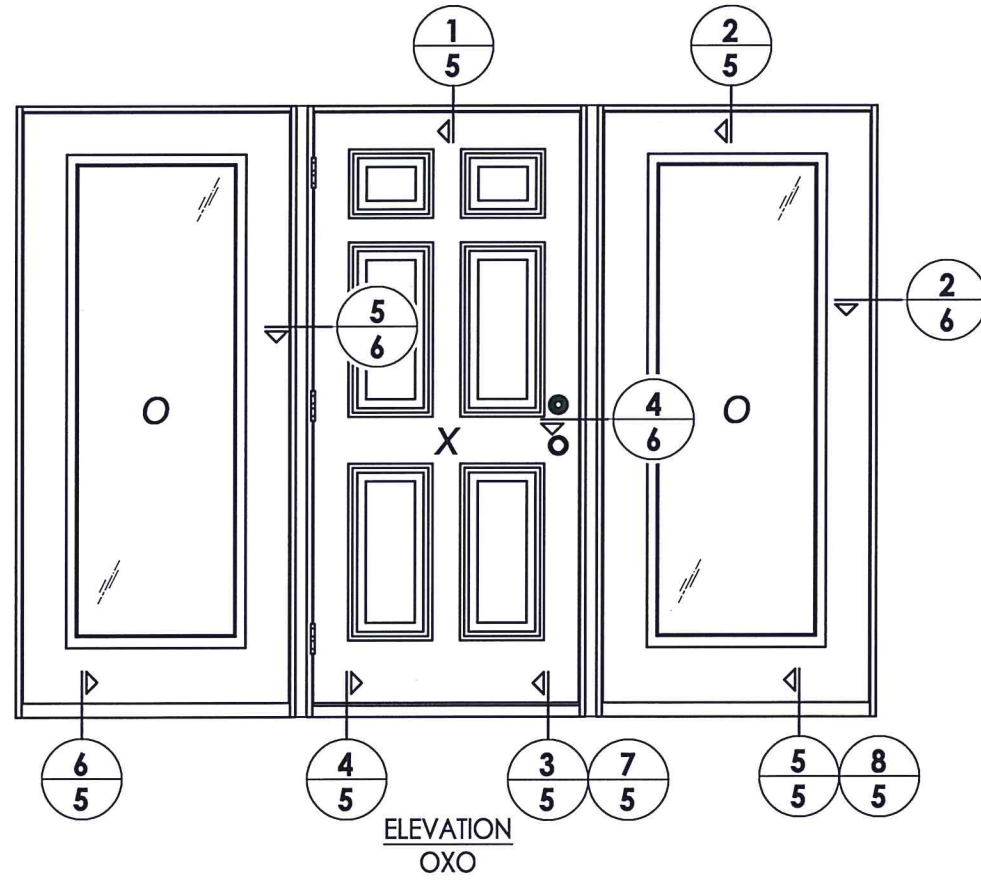
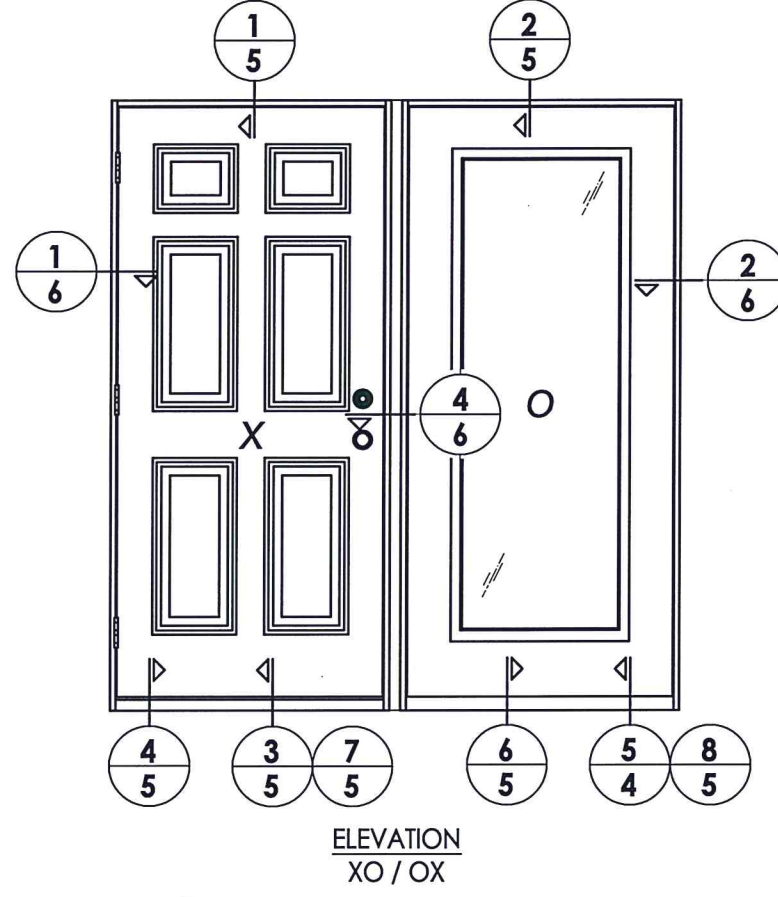
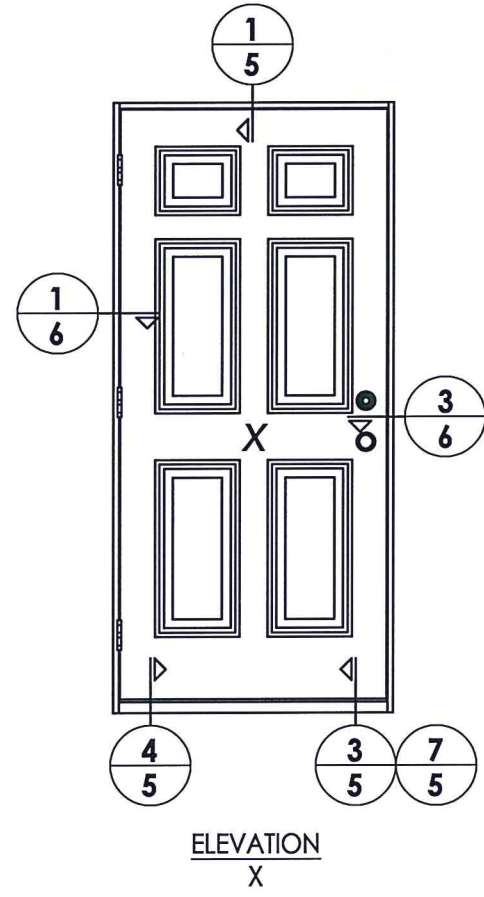
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: TX-4479

SHEET 3 OF 9

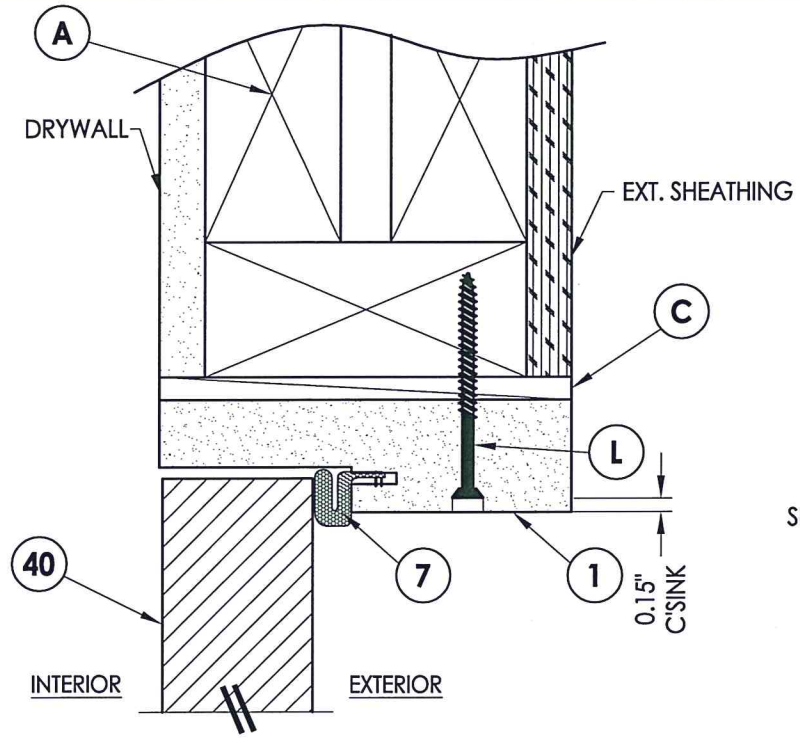


Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

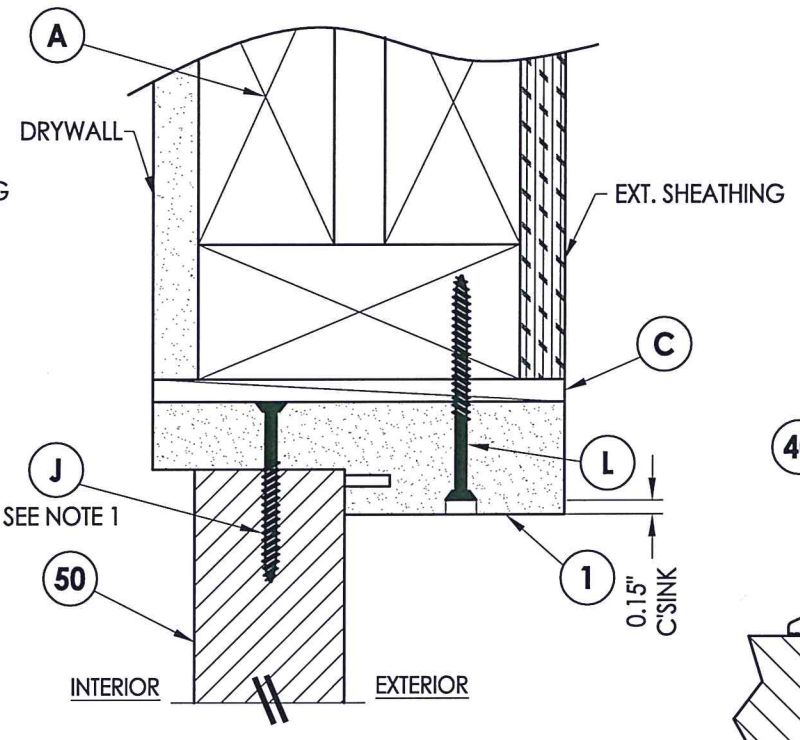
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Phone No.: 813.659.9197

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

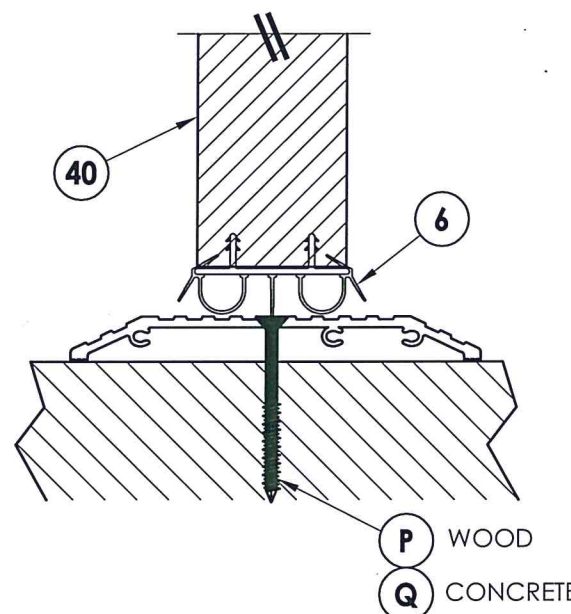
PRODUCT:	PLASTPRO FIBERGLASS DOOR		
PART OR ASSEMBLY:	ELEVATIONS		
DATE:	11/11/14		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	TX-4479		
SHEET	4 of 9		
NO.	DATE	BY	REVISIONS
1	5/07/20	LFS	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME



1 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)

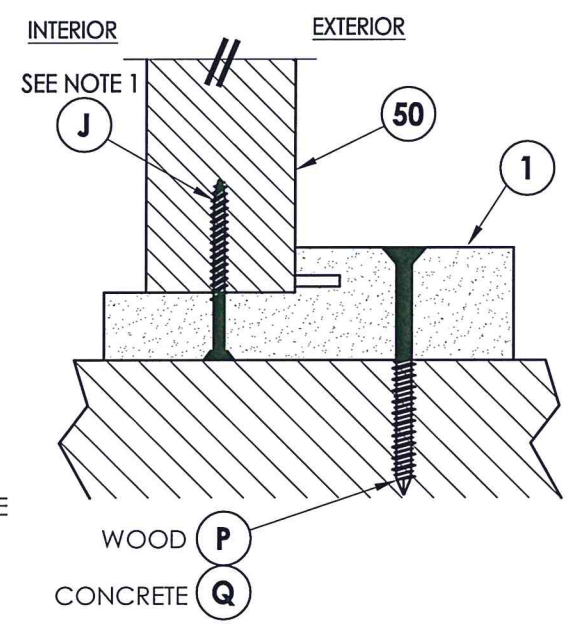
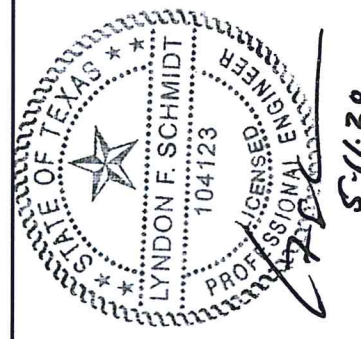


2 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)

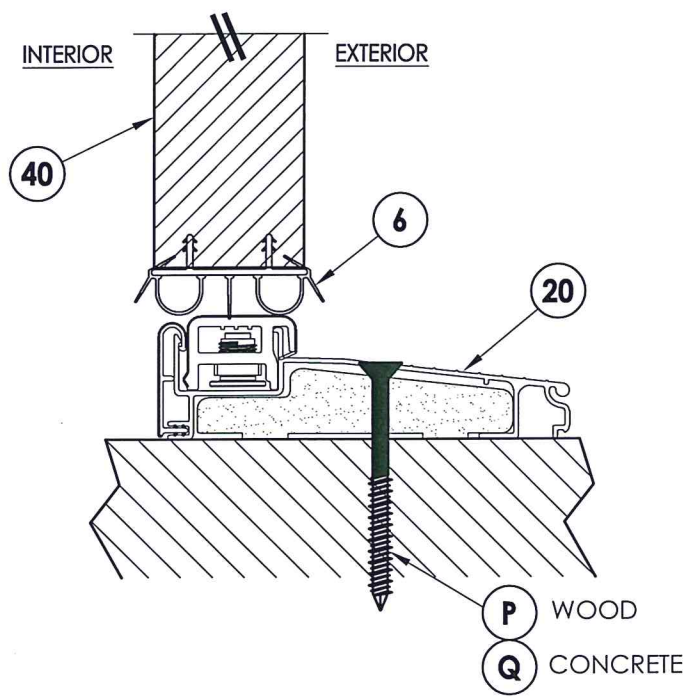


7 VERTICAL CROSS SECTION
5 ADA sill

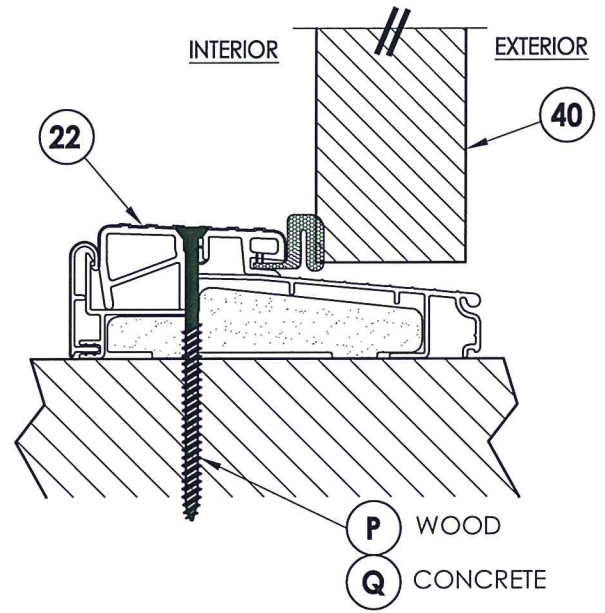
NOTE:
1. Spacing for item J @ head & sill:
6" from each end plus 1 @
centerline (3 total).



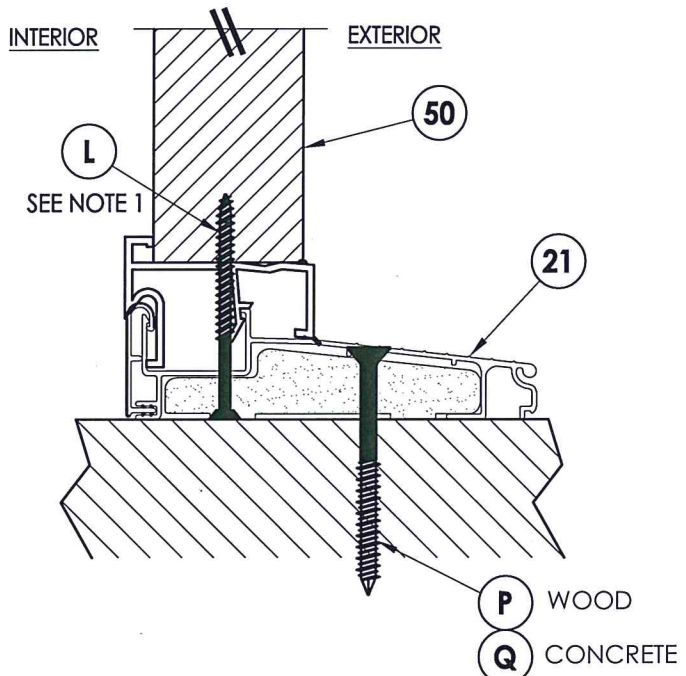
8 VERTICAL CROSS SECTION
5 Inswing shown (Outswing similar)



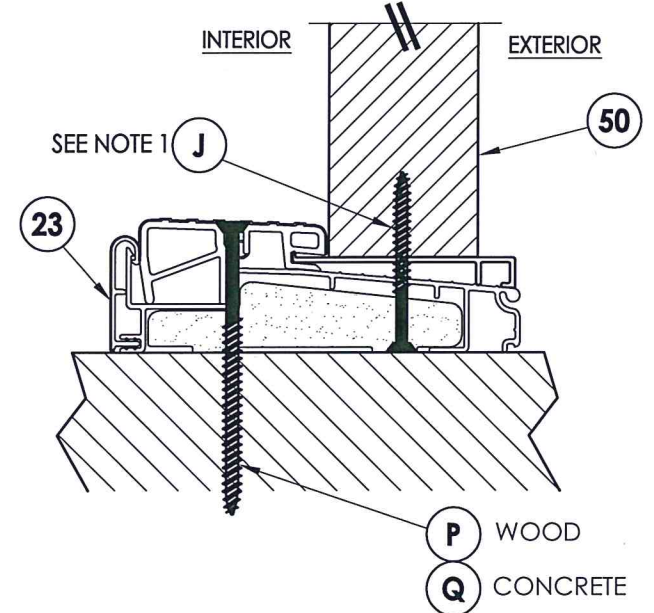
3 VERTICAL CROSS SECTION
5 Inswing sill



4 VERTICAL CROSS SECTION
5 Outswing sill



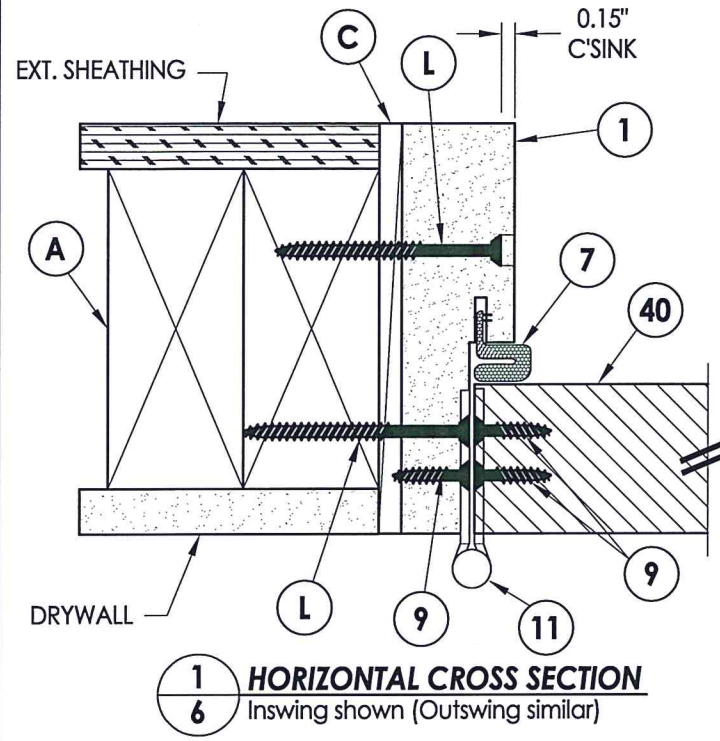
5 VERTICAL CROSS SECTION
5 Inswing sill



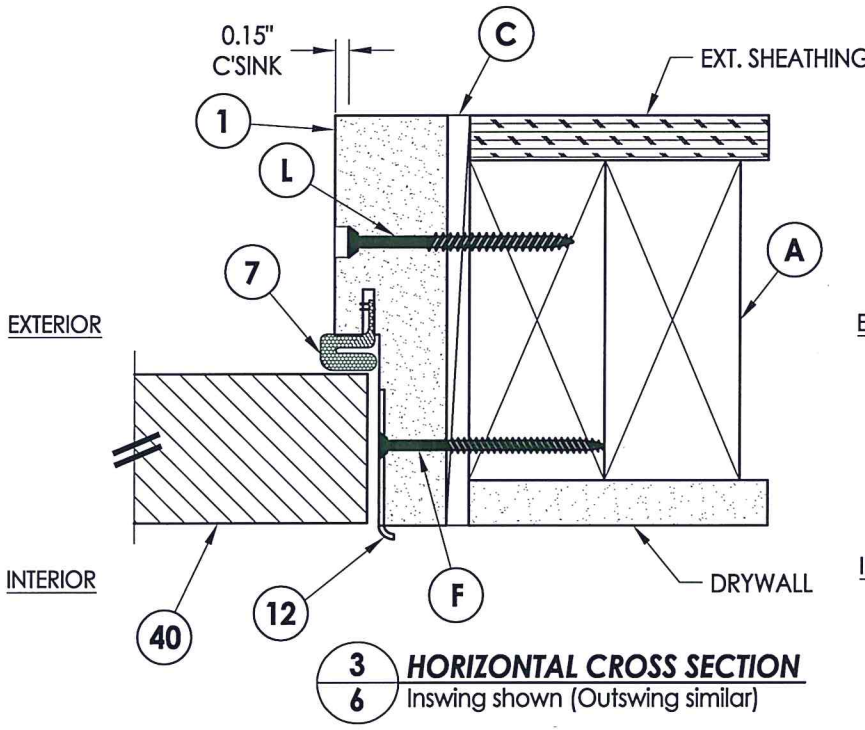
6 VERTICAL CROSS SECTION
5 Outswing sill

Documents Prepared By: Lyndon F. Schmidt, P.E. TEXAS P.E. #104123		BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL, 33595 Phone No.: 813.659.9197	
PRODUCT: PLASTPRO FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
DATE: 11/11/14		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: TX-4479		SHEET 5 OF 9	
NO. DATE		REVISIONS	
1	5/07/20	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME	LFS

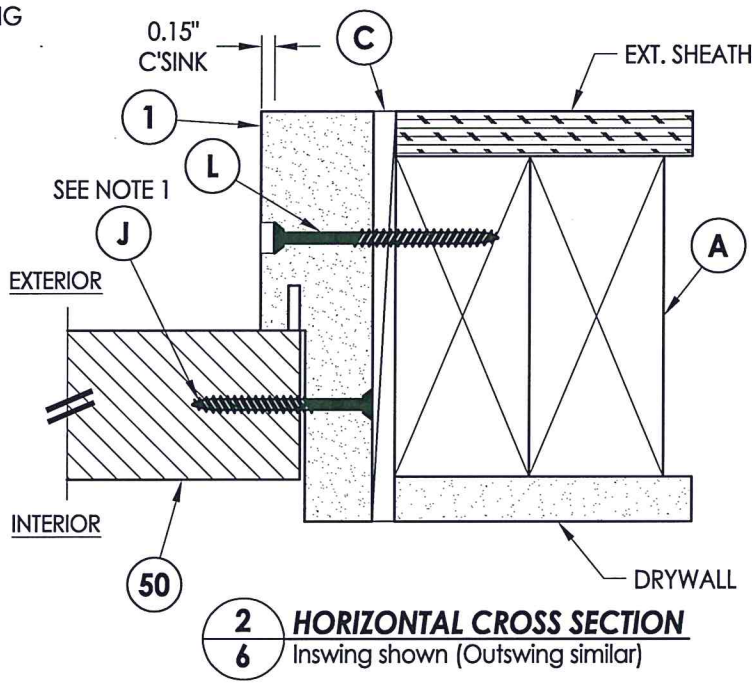
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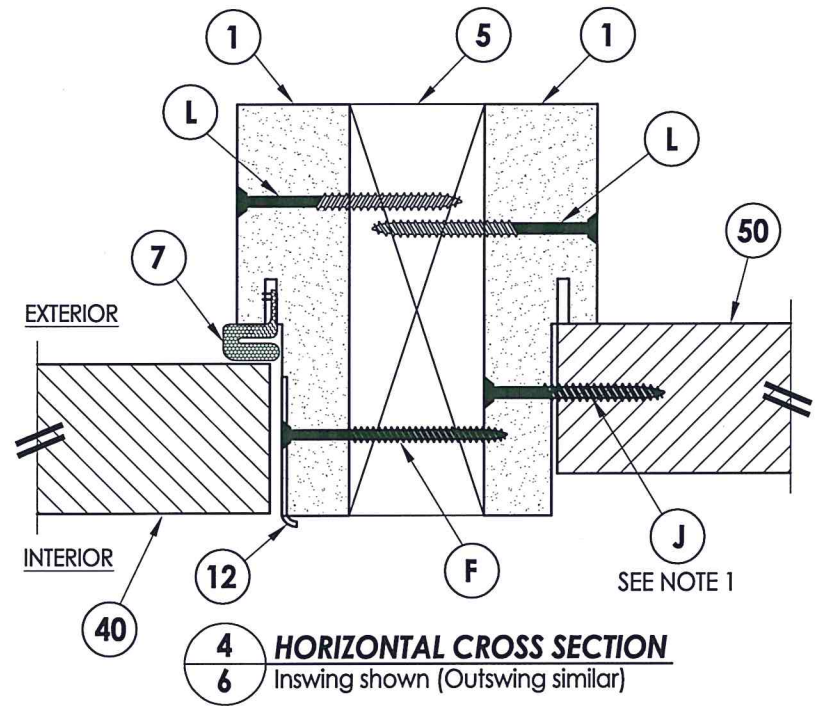
1
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



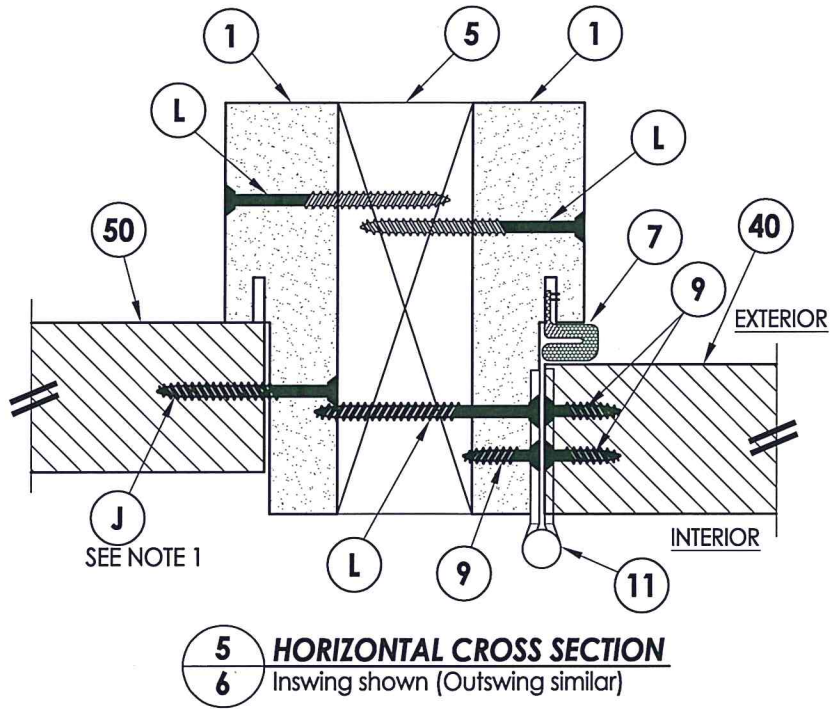
3
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



2
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



4
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



5
6 **HORIZONTAL CROSS SECTION**
Inswing shown (Outswing similar)



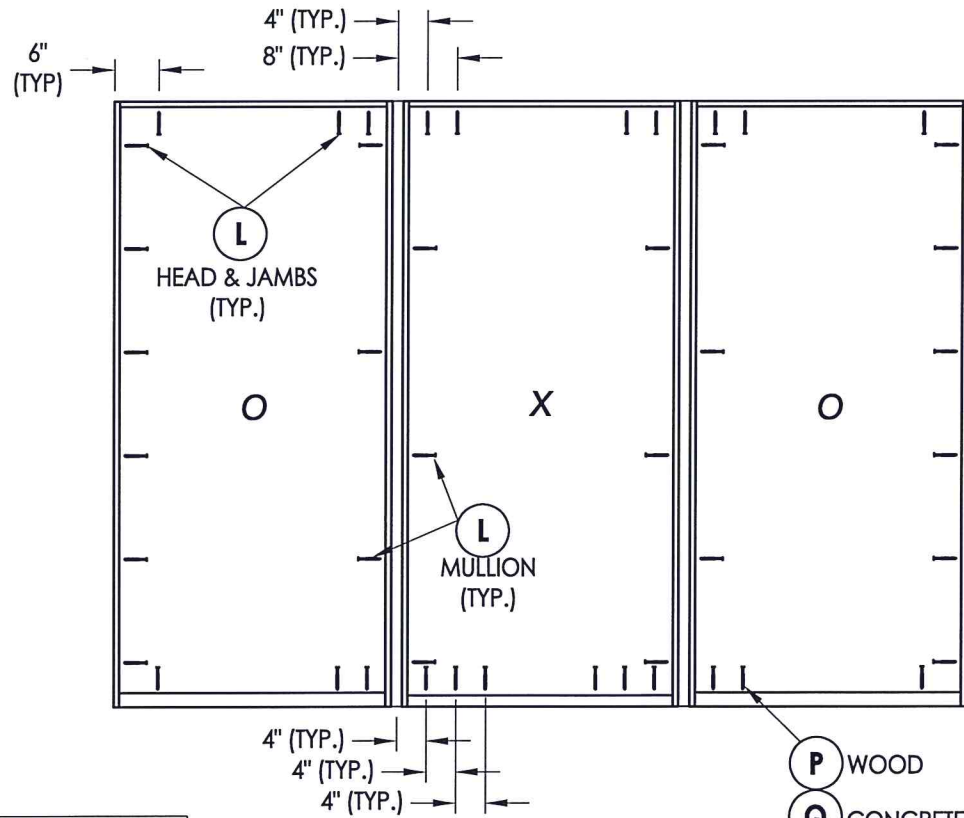
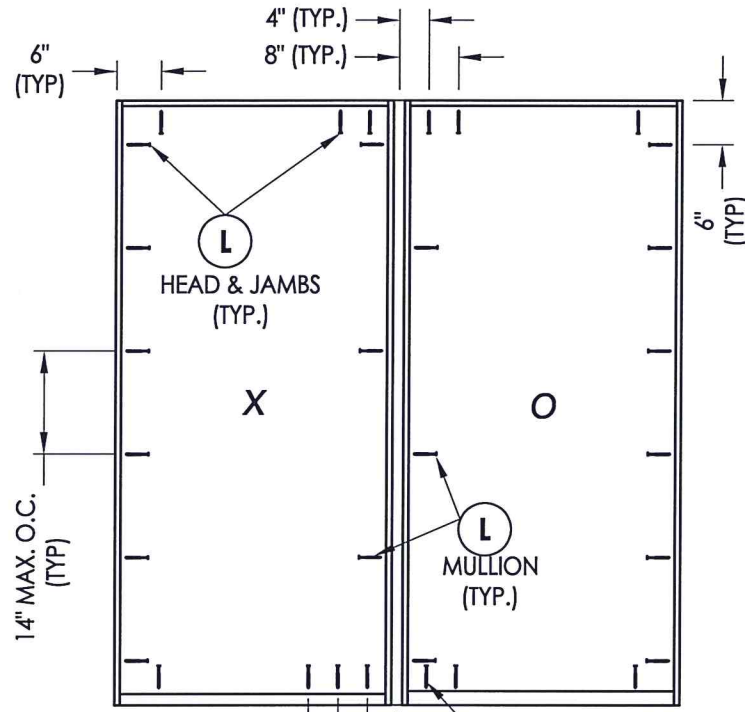
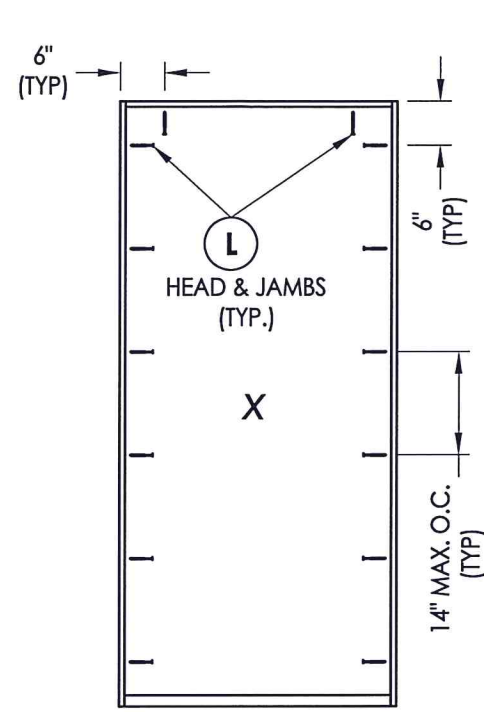
NOTE:
1. Spacing for sidelite to frame screws: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).

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RW BUILDING CONSULTANTS, INC.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
1	5/07/20	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME

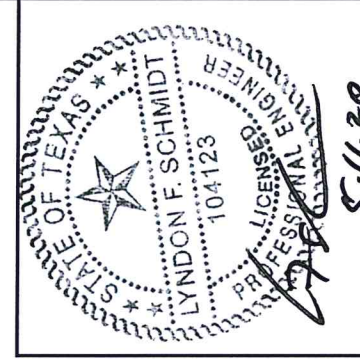
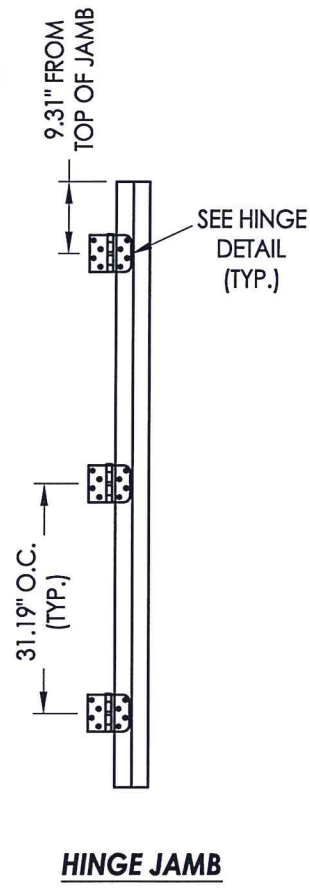
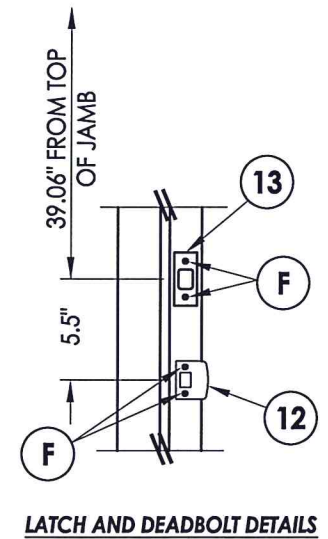
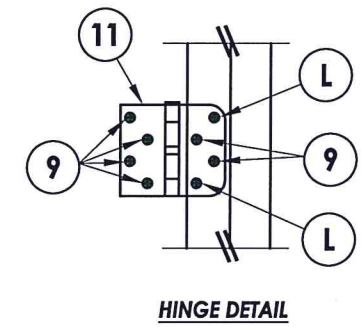
DATE: 11/11/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4479
SHEET 6 OF 9



P WOOD
Q CONCRETE
SILL (TYP.)

P WOOD
Q CONCRETE
SILL (TYP.)

FRAME ANCHORING
2X stud framing
w/ wood/concrete substrate

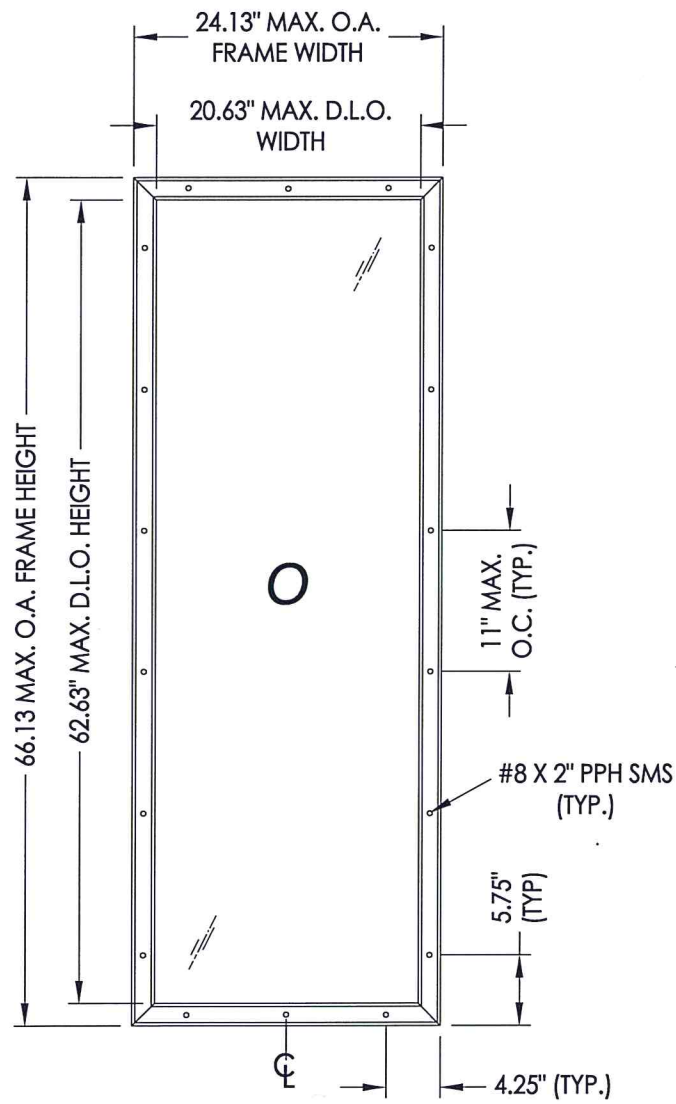


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TEXAS P.E. #104123

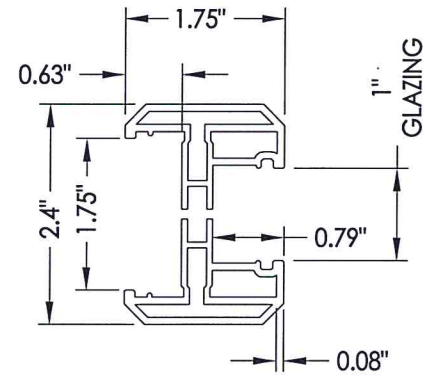
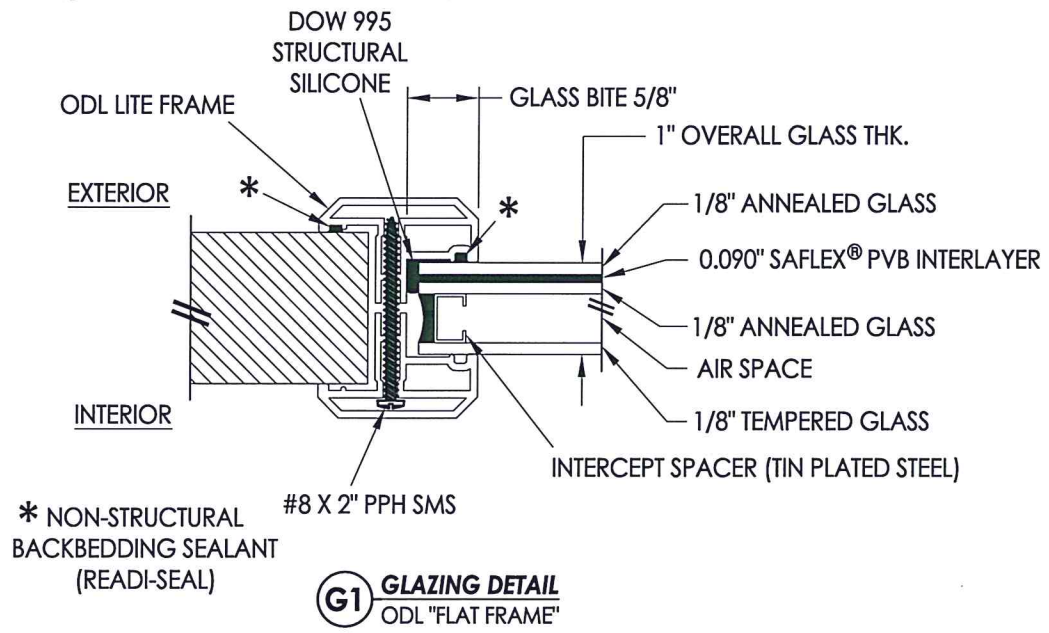
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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

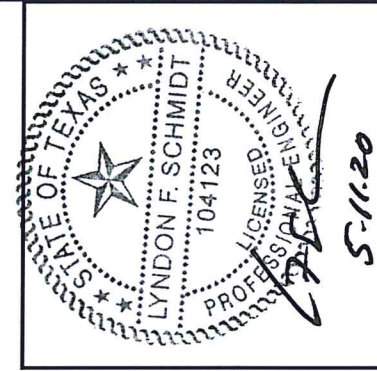
PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING & HARDWARE DETAILS	
DATE:	11/11/14	NO.	DATE
SCALE:	N.T.S.	BY	REVISIONS
DWG. BY:	JK	LFS	
CHK. BY:	LFS	AND REVISE IMPACT LITE FRAME	
DRAWING NO.:	TX-4479	UPDATE TO 2018 IBC/IRC CODE	
SHEET	7	OF	9



ODL LITE FRAME DETAIL
"FLAT FRAME" PROFILE



ODL LITE FRAME
"FLAT FRAME"
(6063-T5 ALUM)



5-11-20

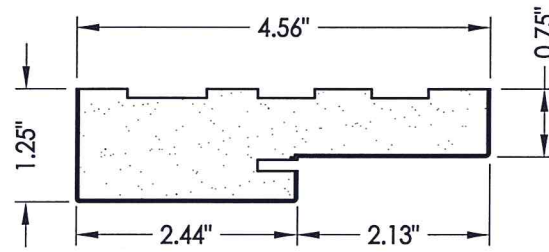
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: LITE FRAME & GLAZING DETAILS

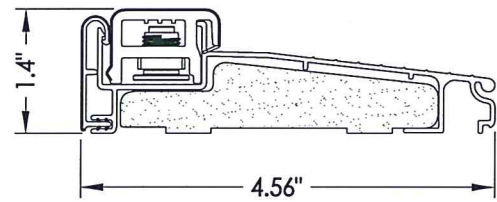
NO.	DATE	REVISIONS
1	5/07/20	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME
LFS		

DATE: 11/11/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4479
SHEET 8 OF 9

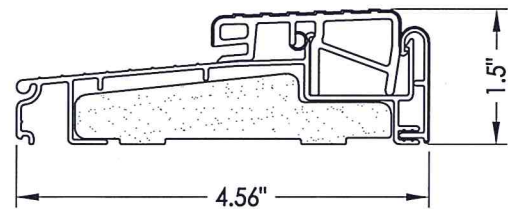
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 X 2-1/2" PFH WOOD SCREW	STEEL
J	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	#8 X 2" PH SMS	STEEL
P	#10 PFH WOOD SCREW (1-1/2" MIN. EMB.)	STEEL
Q	1/4" PFH CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
1	POLY FIBER JAMB	COMP.
5	2X REINFORCEMENT (SG >= 0.55)	WOOD
6	SWEEP	PVC
7	WEATHERSTRIP (ENDURA FORCE 5)	FOAM
8	WEATHERSTRIP (Q-LON)	FOAM
9	#10 x 1" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
20	INSWING THRESHOLD	ALUM/COMP
21	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
22	OUTSWING THRESHOLD	ALUM/COMP
23	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
24	ADA THRESHOLD	-
40	DOOR PANEL	-
50	SIDELITE PANEL	-



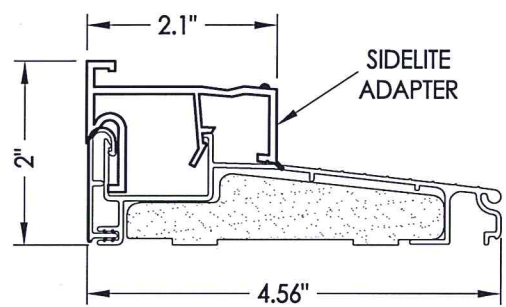
1 POLY FIBER JAMB



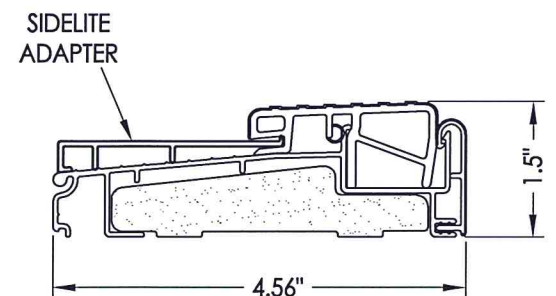
20 INSWING THRESHOLD
Endura (Z-Series)



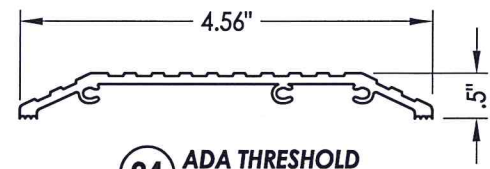
22 OUTSWING THRESHOLD
Endura (Z-Series)



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



23 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



24 ADA THRESHOLD
DLP

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



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

PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	REVISIONS	BY
1	5/07/20	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME	LFS

DATE: 11/11/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4479
SHEET 9 OF 9