

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

GLAZED FIBERGLASS DOORS DOUBLES w/ or w/o SIDELITES IN SWING / OUT SWING "IMPACT"

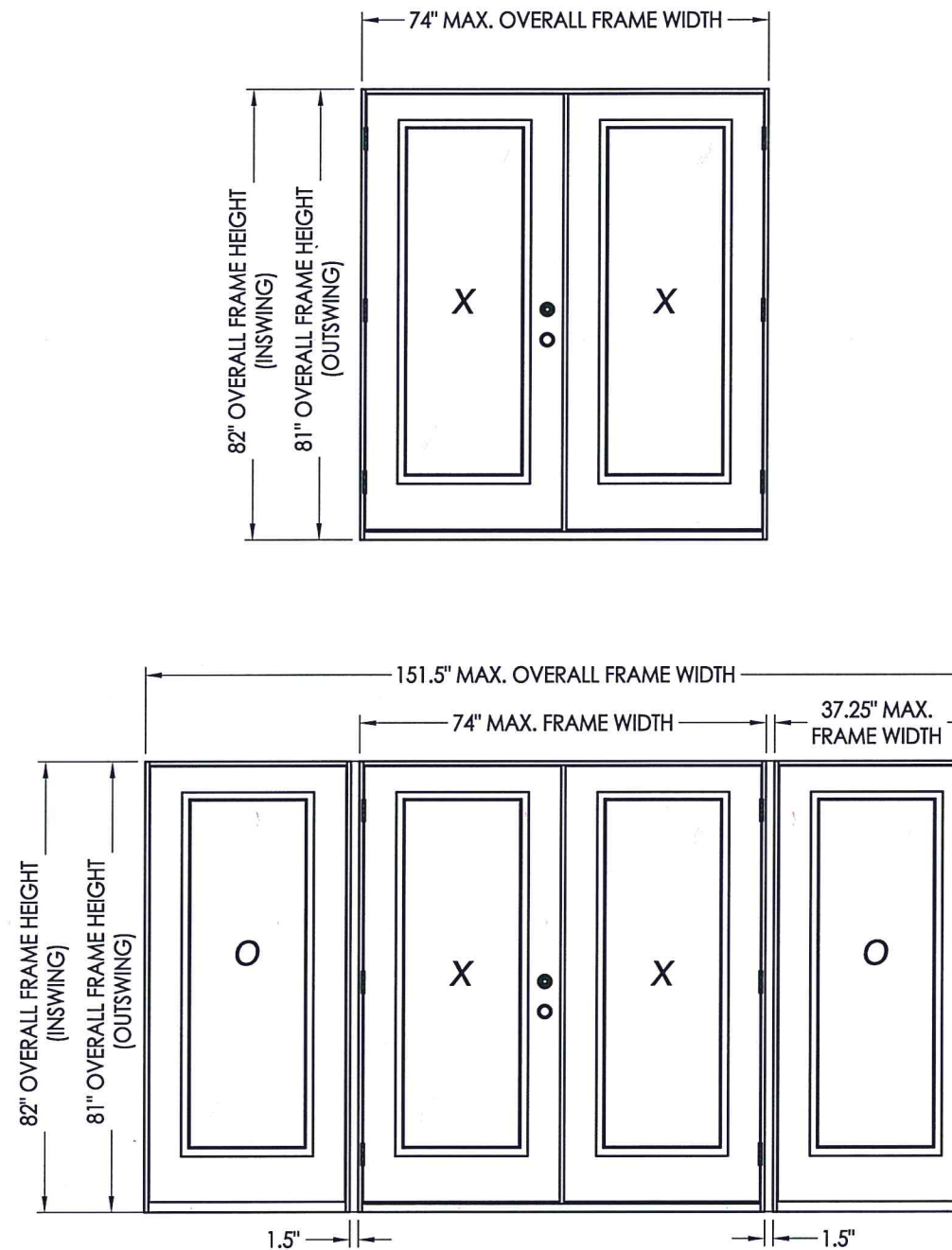
EVALUATED FOR USE IN THE STATE OF TEXAS

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 & Sidelite panel details
3	Elevations
4	Vertical cross sections
5	Horizontal cross sections
6	Hardware details
7	Frame anchoring
8	Lite frame & glazing details
9	Bill of materials and components



CONFIG.	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
		POS.	NEG.	POS.	NEG.
XX	74.0" x 82.0"	+45.0	-50.0	+50.0	-50.0
OXXO	151.5" x 82.0"				



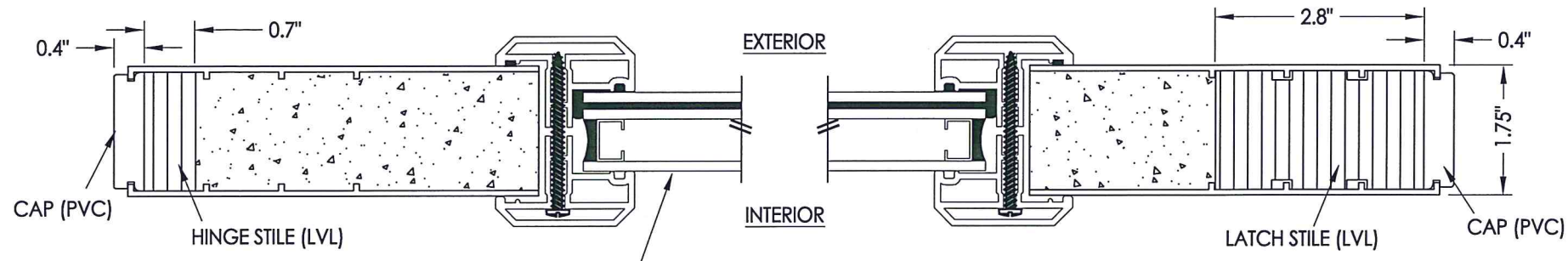
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

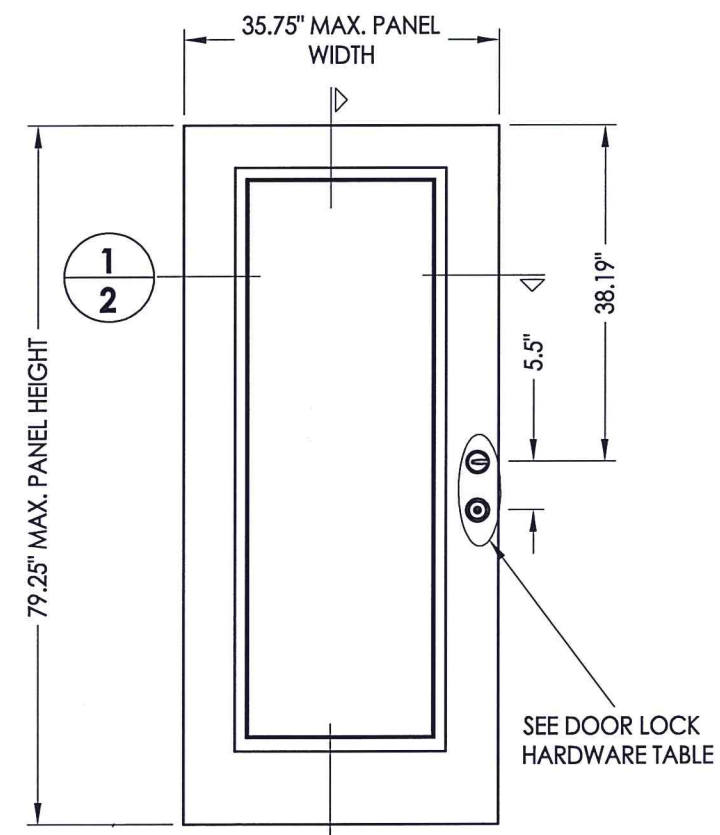
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: 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-4478	SHEET 1 OF 9

R:\Clients\Plastpro, Inc PERMANENT\B - TD\TDI - DR 462 68 Glazed Impact Sgl Dbl w-wo Sidelites\Drawings\TX-4477-78.dwg, 2.2

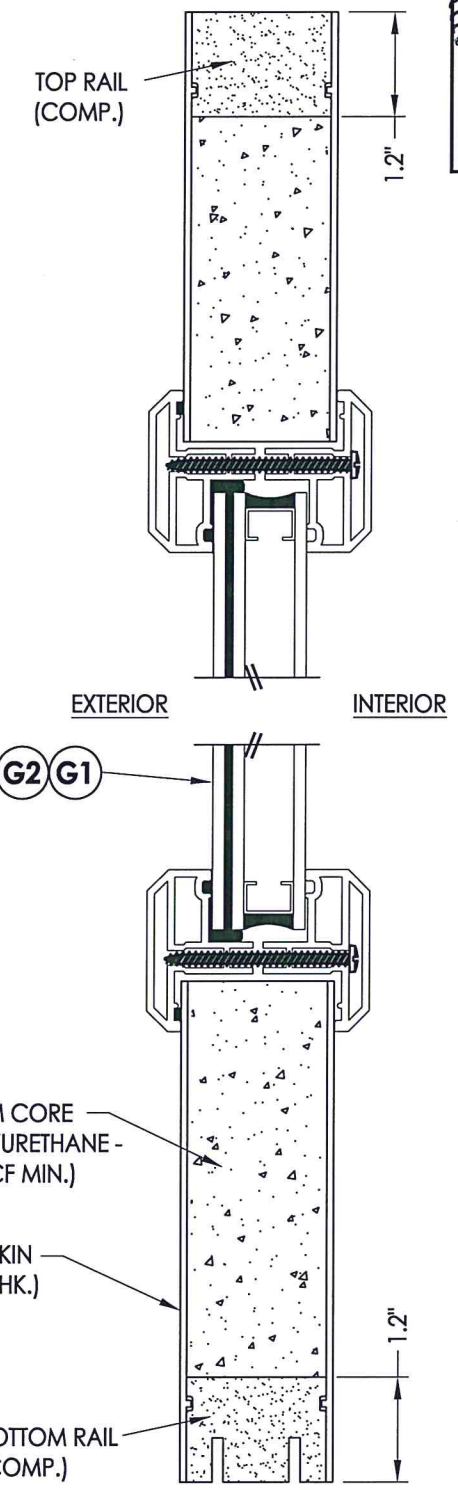


1
2 **HORIZONTAL CROSS SECTION**

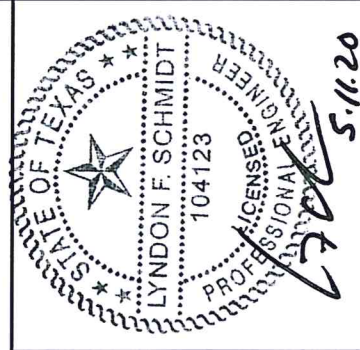


- 40** PLASTPRO DOOR PANEL
- 50** PLASTPRO SIDELITE PANEL

DOOR LOCK HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: KWIKSET SERIES (400)
	DEADBOLT: KWIKSET SERIES (660)
SCHLAGE	HANDLE SET: "F" SERIES (F51)
	DEADBOLT: "B" SERIES (B60/62)



2
2 **VERTICAL CROSS SECTION**

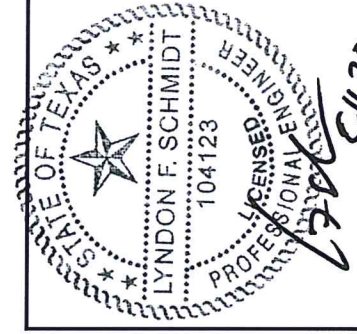
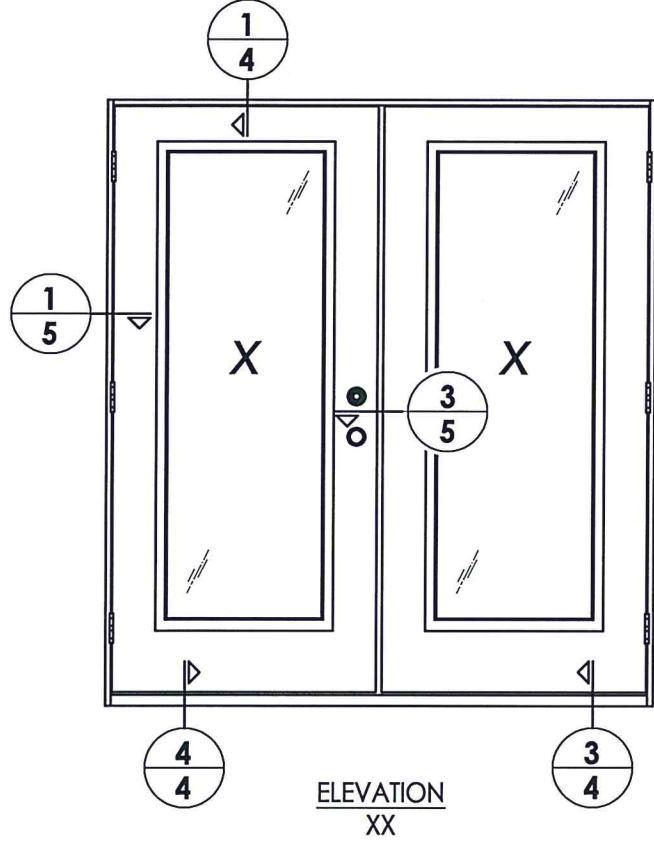
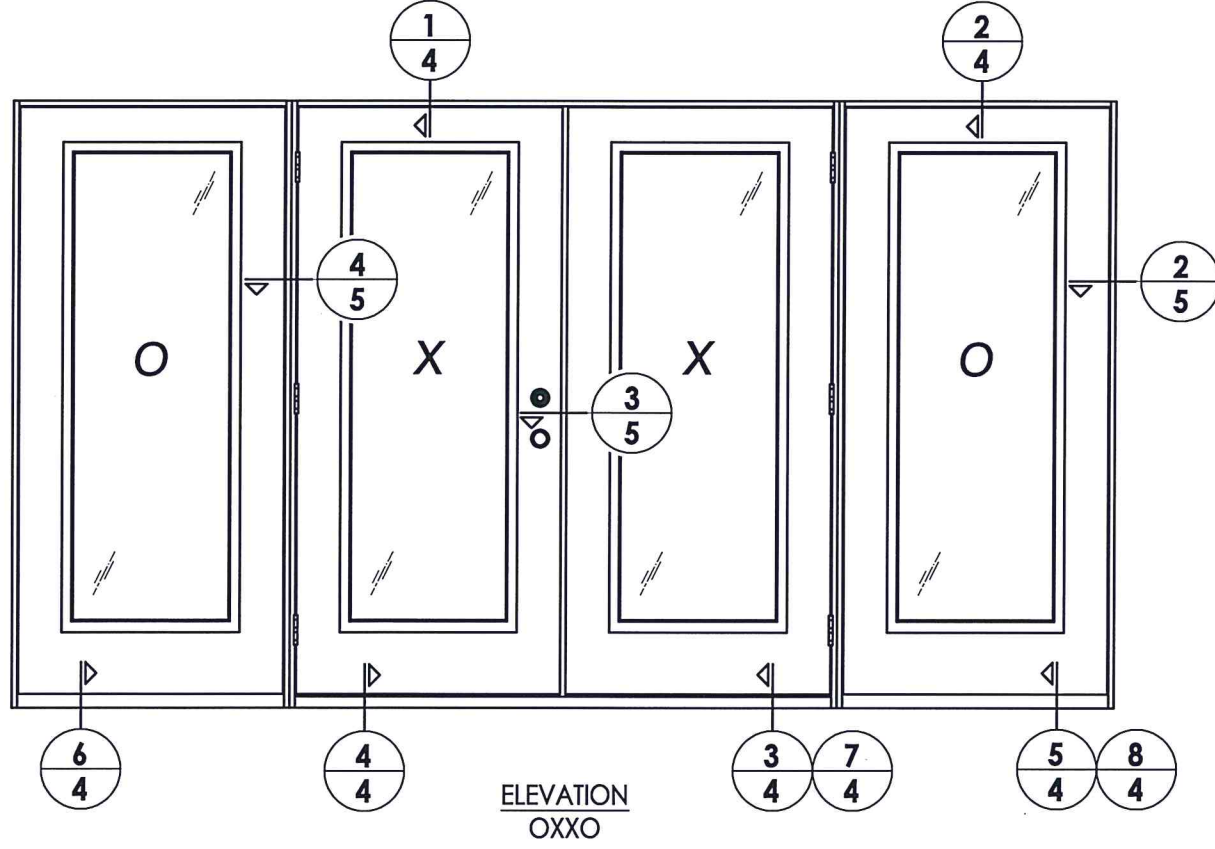


Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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 & SIDELITE PANEL DETAILS
DATE:	11/11/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4478
SHEET	2 OF 9



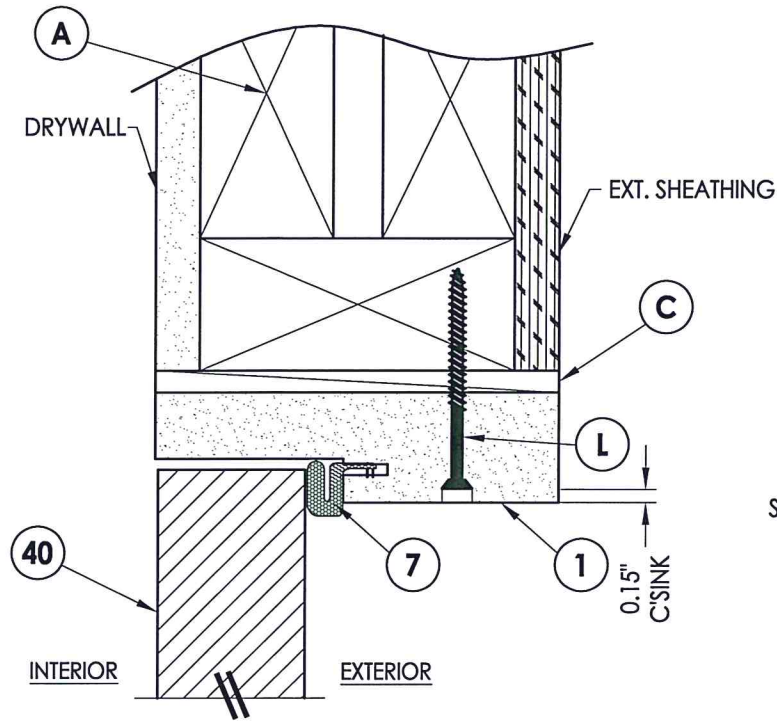
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

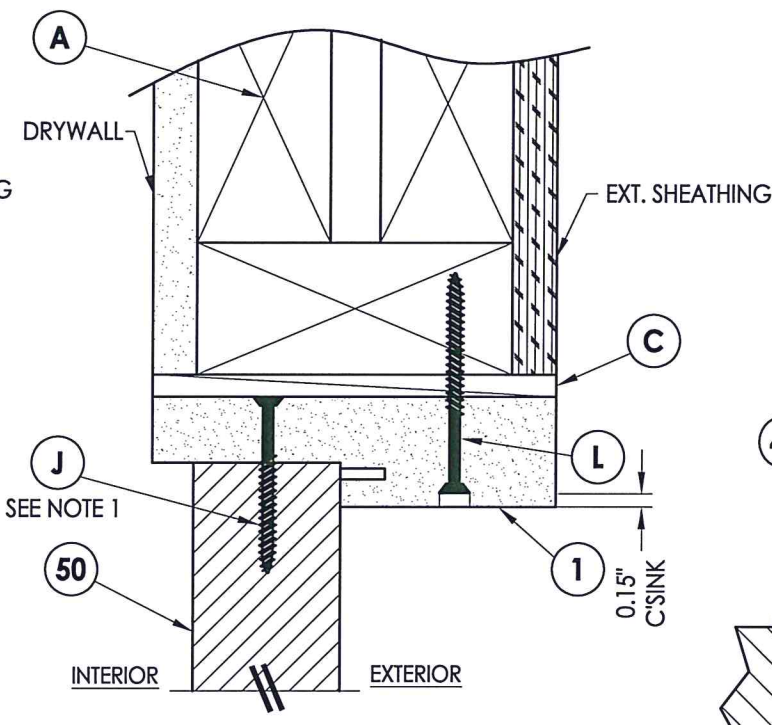
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY: ELEVATIONS	
NO.	DATE
1	5/07/20
UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME	
LFS	BY
REVISIONS	
DATE: 11/11/14	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: TX-4478	
SHEET 3 OF 9	

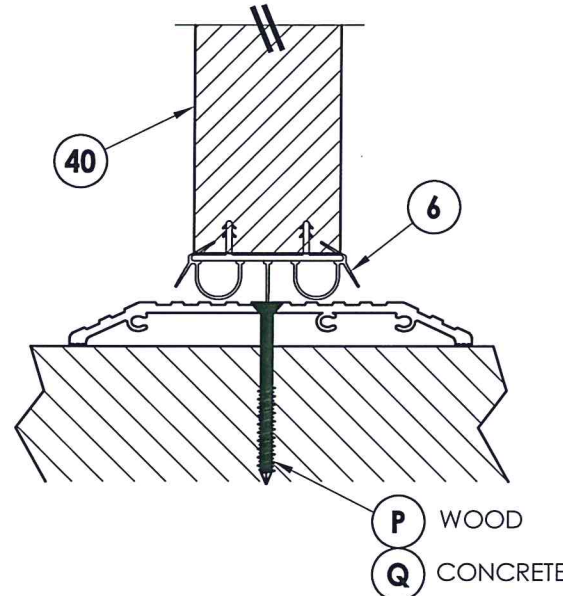
R:\Clients\Plastpro, Inc PERMANENT\B - TDI\TDI - DR 462 68 Glazed Impact Sgl Dbl w-wo Sidelites\Drawings\TX-4477-78.dwg, 4.2



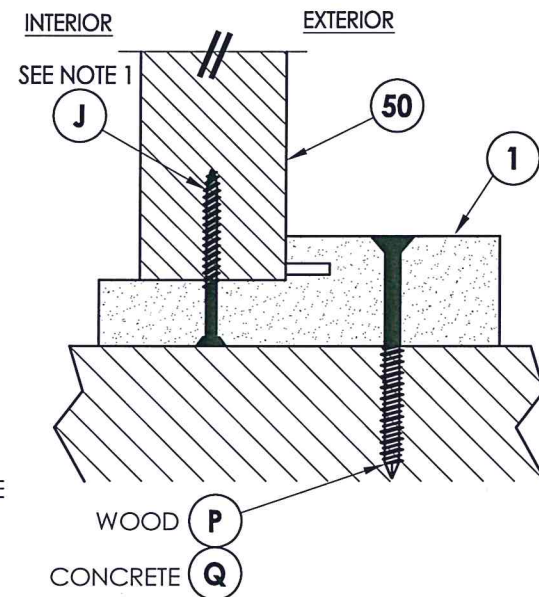
1 VERTICAL CROSS SECTION
4 Inswing shown (Outswing similar)



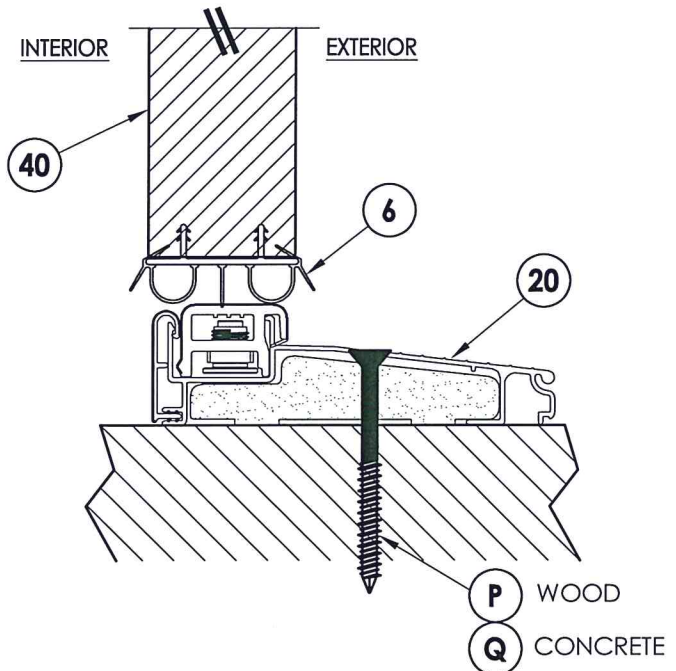
2 VERTICAL CROSS SECTION
4 Inswing shown (Outswing similar)



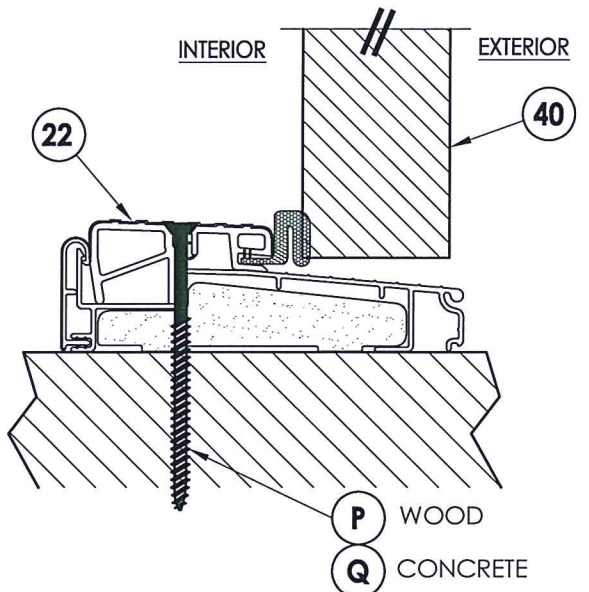
7 VERTICAL CROSS SECTION
4 ADA sill



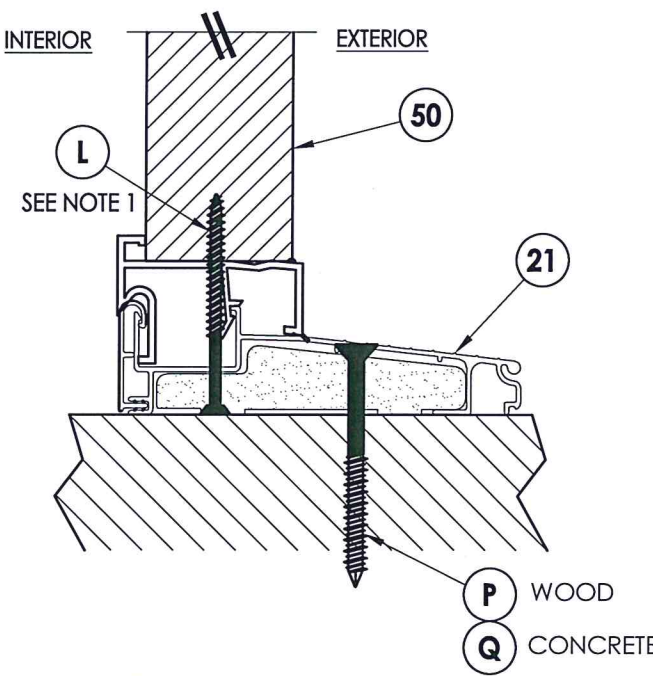
8 VERTICAL CROSS SECTION
4 Inswing shown (Outswing similar)



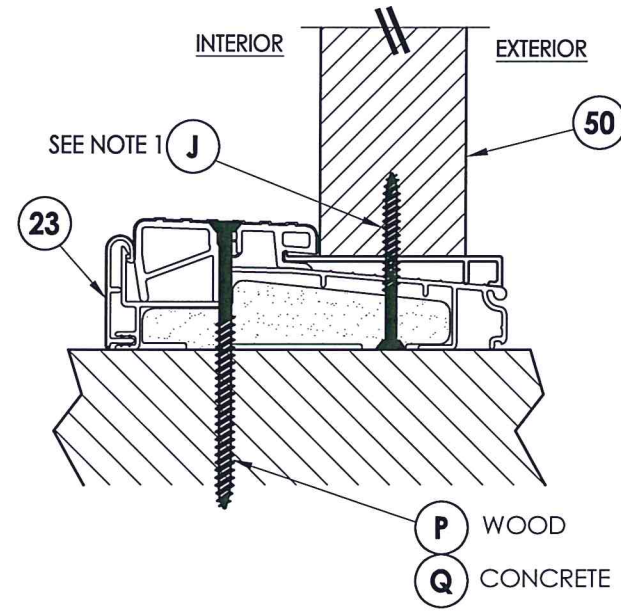
3 VERTICAL CROSS SECTION
4 Inswing sill



4 VERTICAL CROSS SECTION
4 Outswing sill

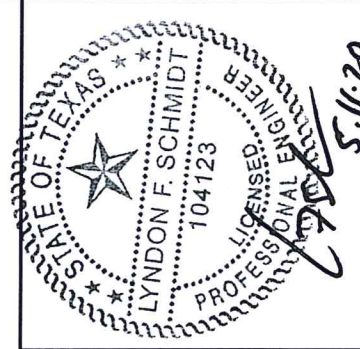


5 VERTICAL CROSS SECTION
4 Inswing sill



6 VERTICAL CROSS SECTION
4 Outswing sill

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



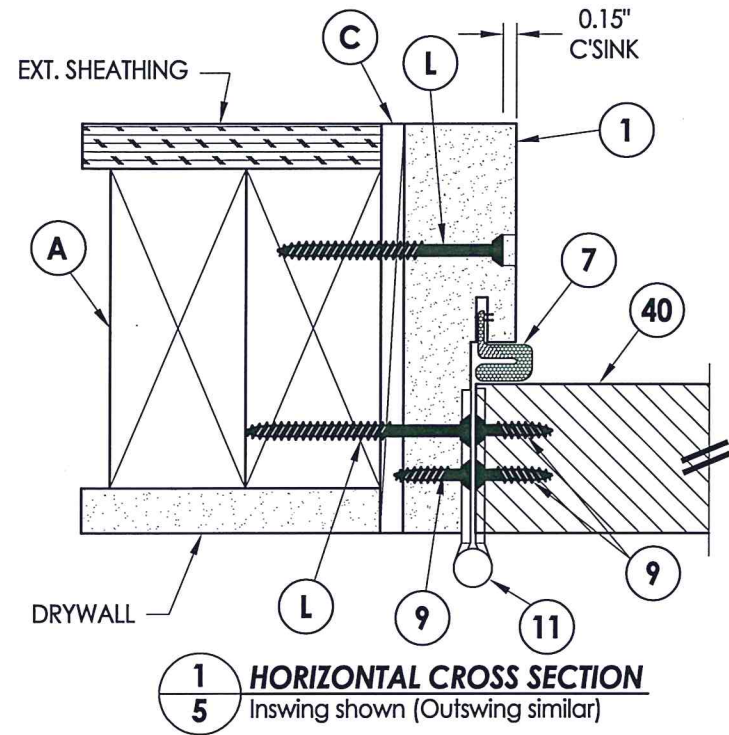
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

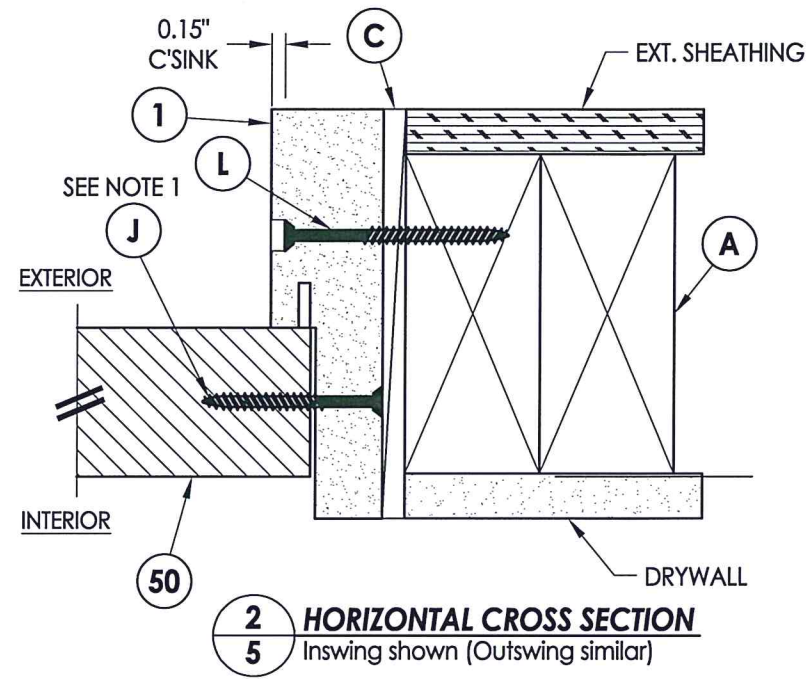
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	LFS	BY
1	5/07/20	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME	
REVISIONS			
DATE: 11/11/14			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4478			
SHEET 4 OF 9			

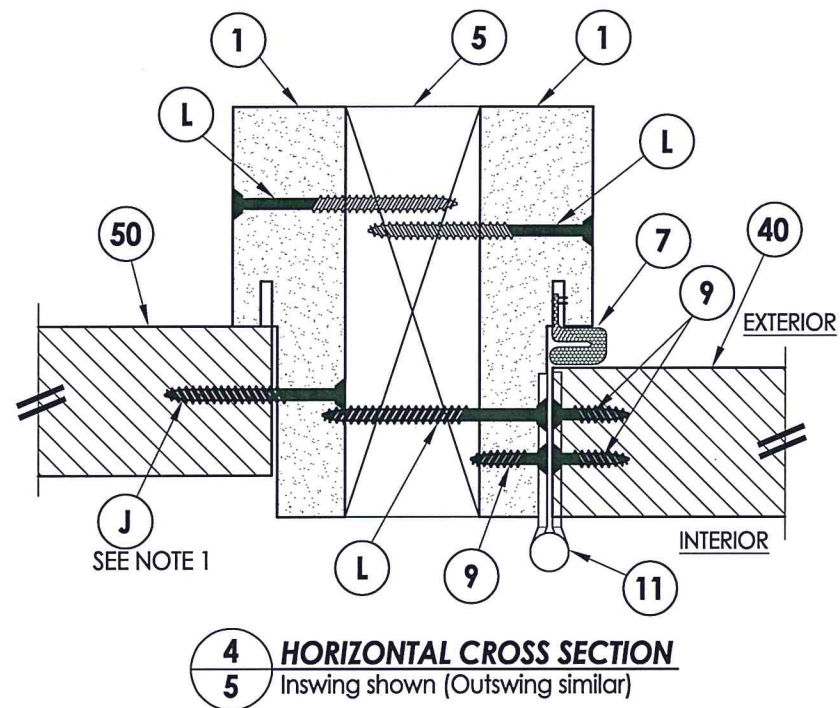
© 2014 R.W. BUILDING CONSULTANTS INC.



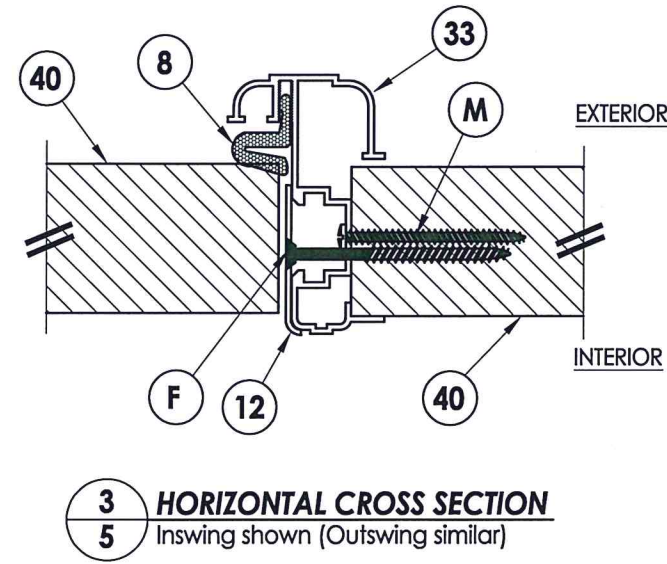
1 HORIZONTAL CROSS SECTION
5 Inswing shown (Outswing similar)



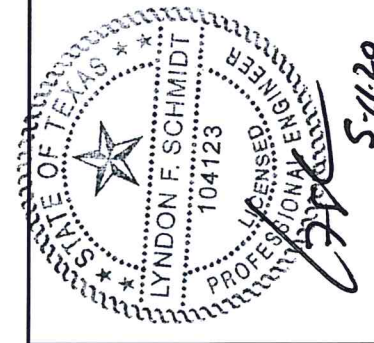
2 HORIZONTAL CROSS SECTION
5 Inswing shown (Outswing similar)



4 HORIZONTAL CROSS SECTION
5 Inswing shown (Outswing similar)



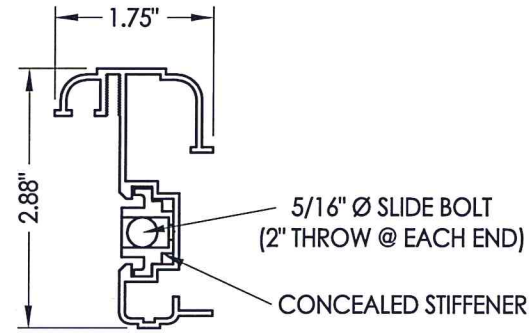
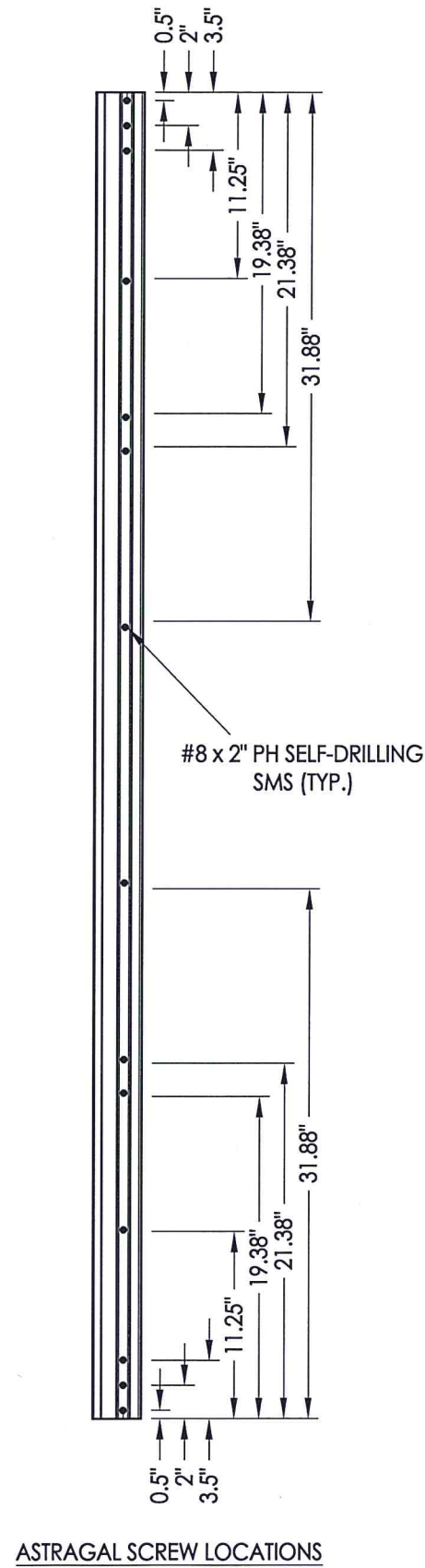
3 HORIZONTAL CROSS SECTION
5 Inswing shown (Outswing similar)



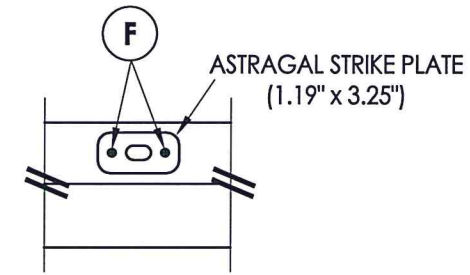
NOTE:
 1. Spacing for sidelite to frame screws: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).

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

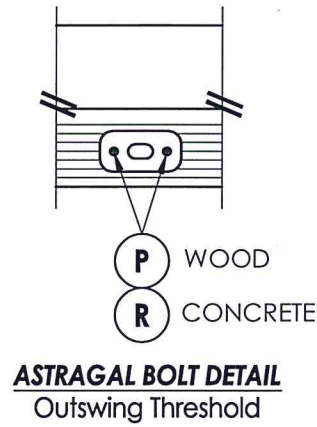
PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
1	5/07/20	LFS	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME
DATE: 11/11/14		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: TX-4478		SHEET 5 OF 9	



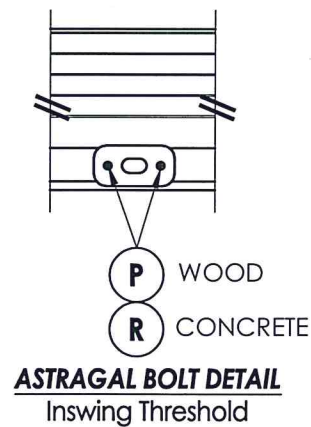
33 ASTRAGAL DLP



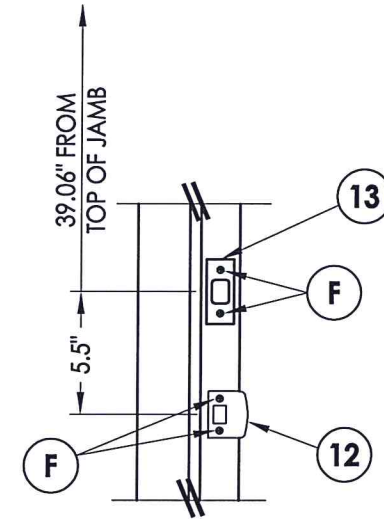
ASTRAGAL BOLT DETAIL
Strike Plate @ Head



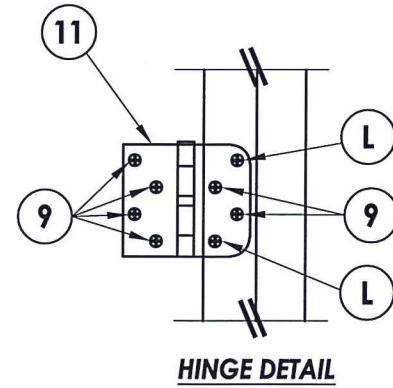
ASTRAGAL BOLT DETAIL
Outswing Threshold



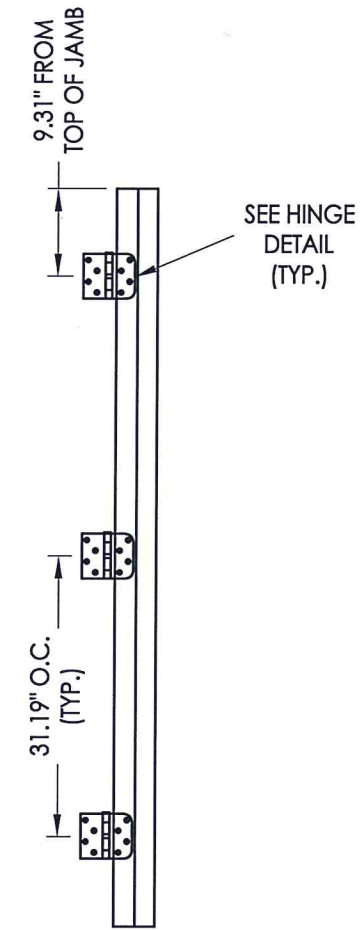
ASTRAGAL BOLT DETAIL
Inswing Threshold



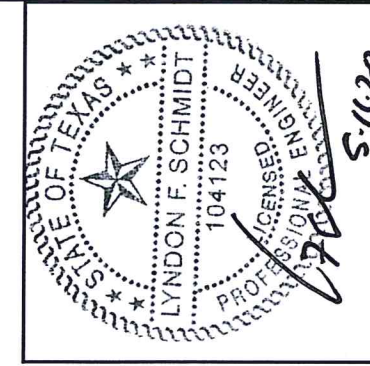
LATCH AND DEADBOLT DETAILS



HINGE DETAIL



HINGE JAMB

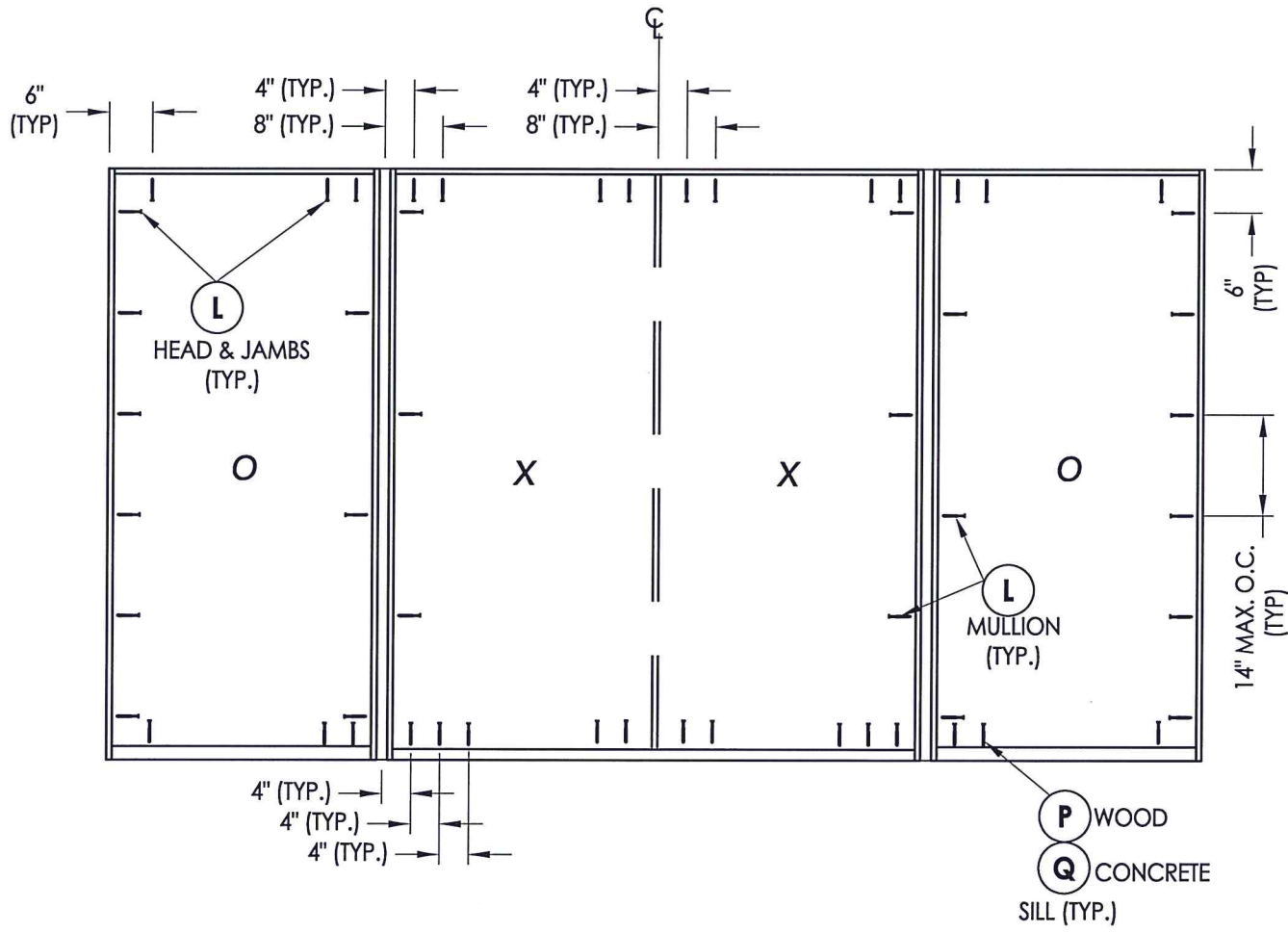
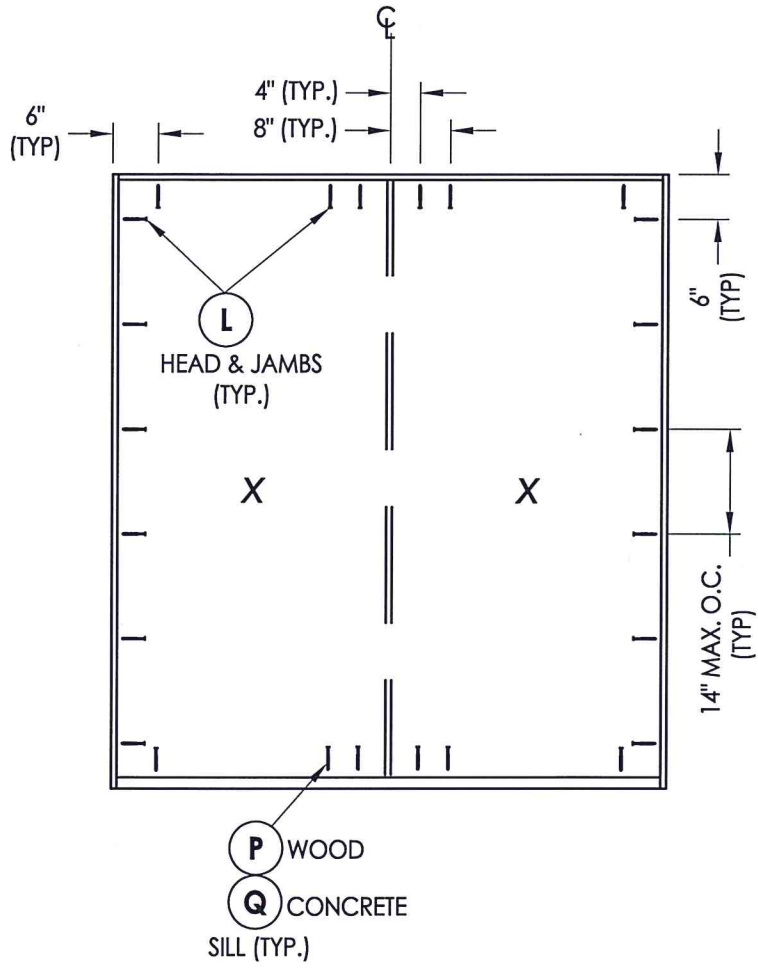


Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		HARDWARE DETAILS	
NO.	DATE	BY	REVISIONS
1	5/07/20	LFS	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-4478		SHEET 6 OF 9	



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



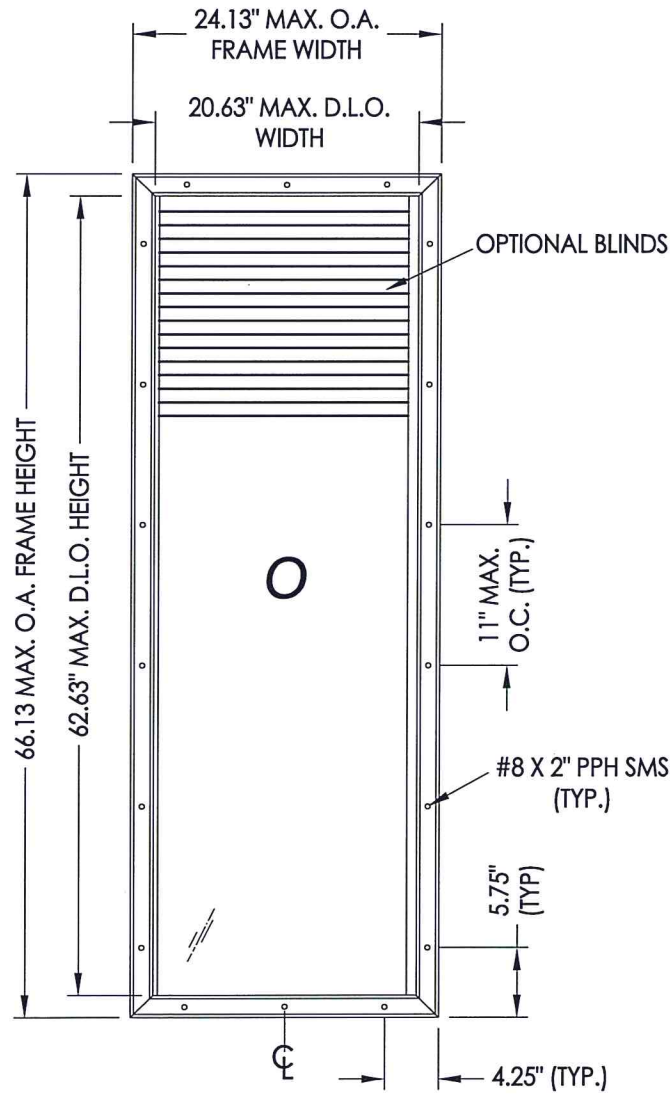
Documents Prepared By: Lyndon F. Schmidt, P.E.
 TEXAS P.E. #104123

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

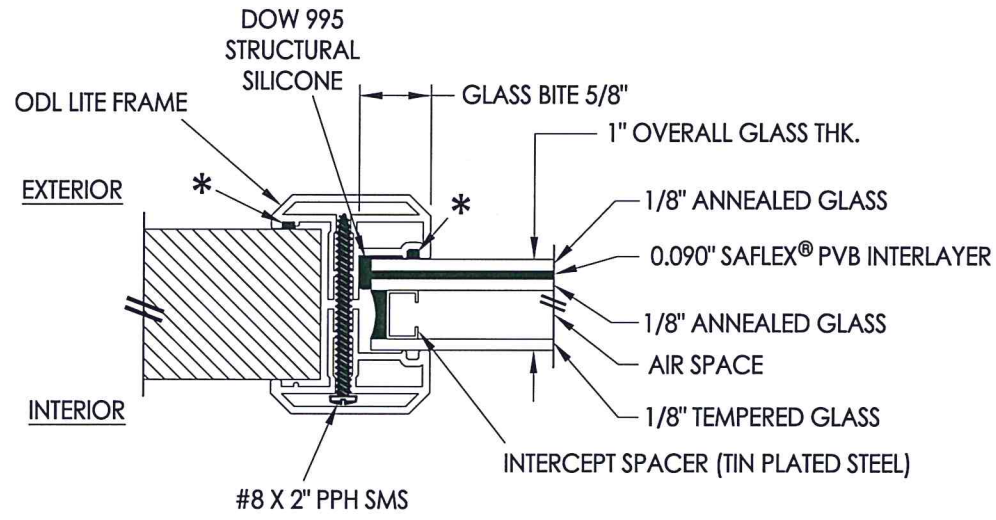
TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING	
NO.	DATE	BY	REVISIONS
1	5/07/20	LFS	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-4478
 SHEET 7 OF 9

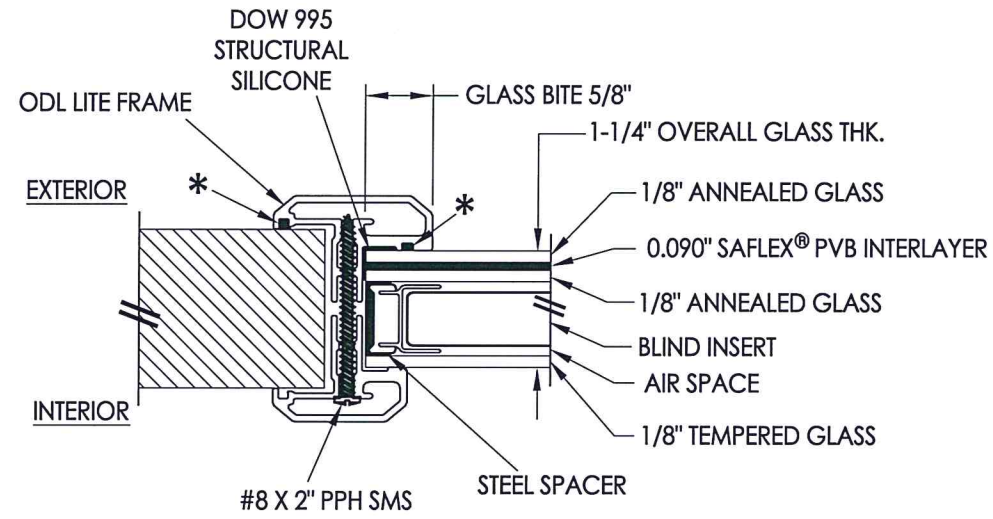


ODL LITE FRAME DETAIL
"FLAT FRAME" PROFILE

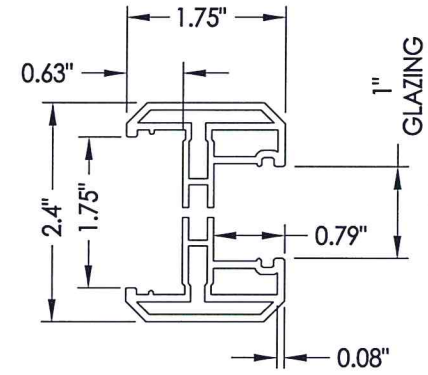


G1 GLAZING DETAIL
ODL "FLAT FRAME"

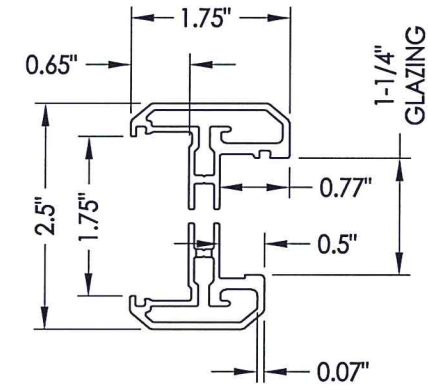
* NON-STRUCTURAL BACKBEDDING SEALANT (READI-SEAL)



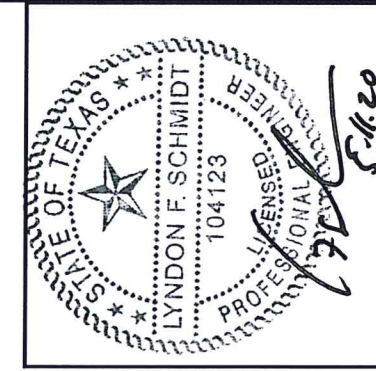
G2 GLAZING DETAIL
ODL "FLAT FRAME"
w/ BLINDS BETWEEN GLASS



ODL LITE FRAME (1" GLAZING)
"FLAT FRAME"
(6063-T5 ALUM)



ODL LITE FRAME (1-1/4" GLAZING)
"FLAT FRAME"
(6063-T5 ALUM)



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

R.W. 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:	PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:	LITE FRAME & GLAZING DETAILS	
DATE:	11/11/14	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4478	
SHEET	8 OF 9	
NO.	DATE	BY
1	5/07/20	LFS
	UPDATE TO 2018 IBC/IRC CODE AND REVISE IMPACT LITE FRAME	
		REVISIONS

