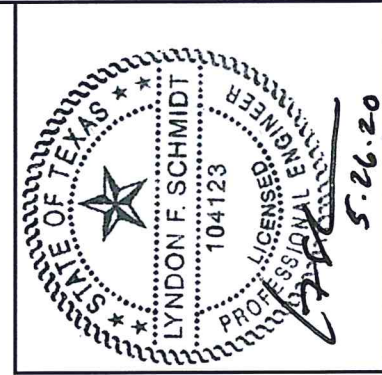


plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

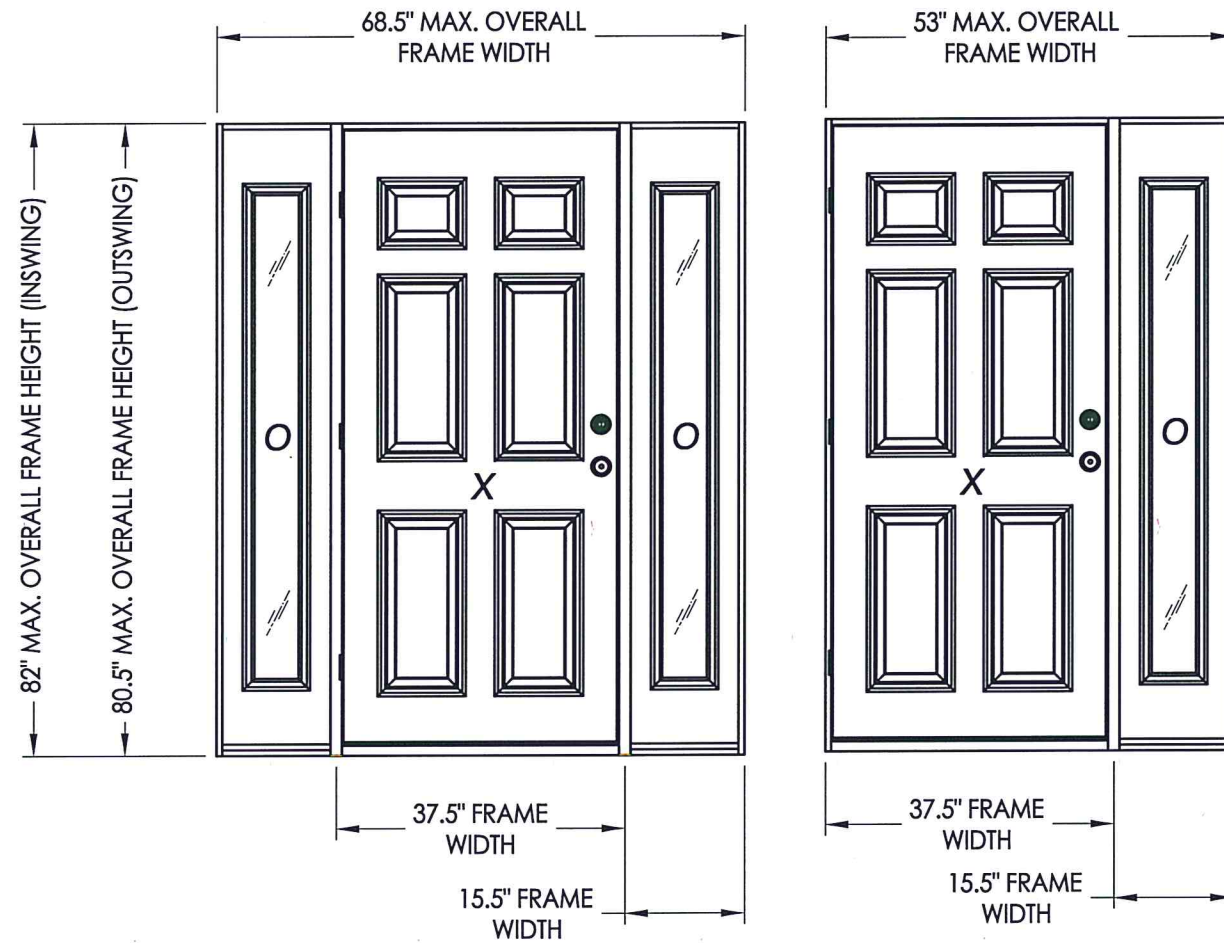


Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

OPAQUE FIBERGLASS SINGLE DOOR w/ SIDELITES IN SWING / OUT SWING "NON-IMPACT"



CONFIGURATION	MAX. FRAME DIMENSION	MAX. SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX or XO	53.0" x 82.0"	7.0" X 63.0"	+50.0	-55.0	+50.0	-50.0
OXO	68.5" x 82.0"	7.0" X 63.0"	+50.0	-55.0	+50.0	-50.0

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. 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.

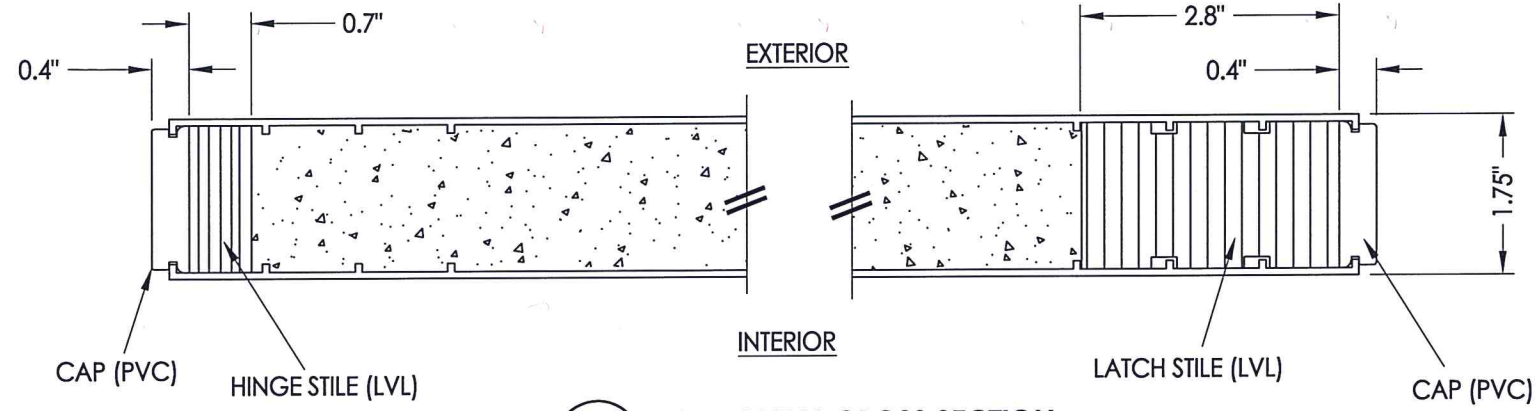
TABLE OF CONTENTS

SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details
4	Elevations
5	Vertical cross sections
6	Vertical cross sections
7	Horizontal cross sections
8	Frame anchoring
9	Bill of materials, components and glazing details

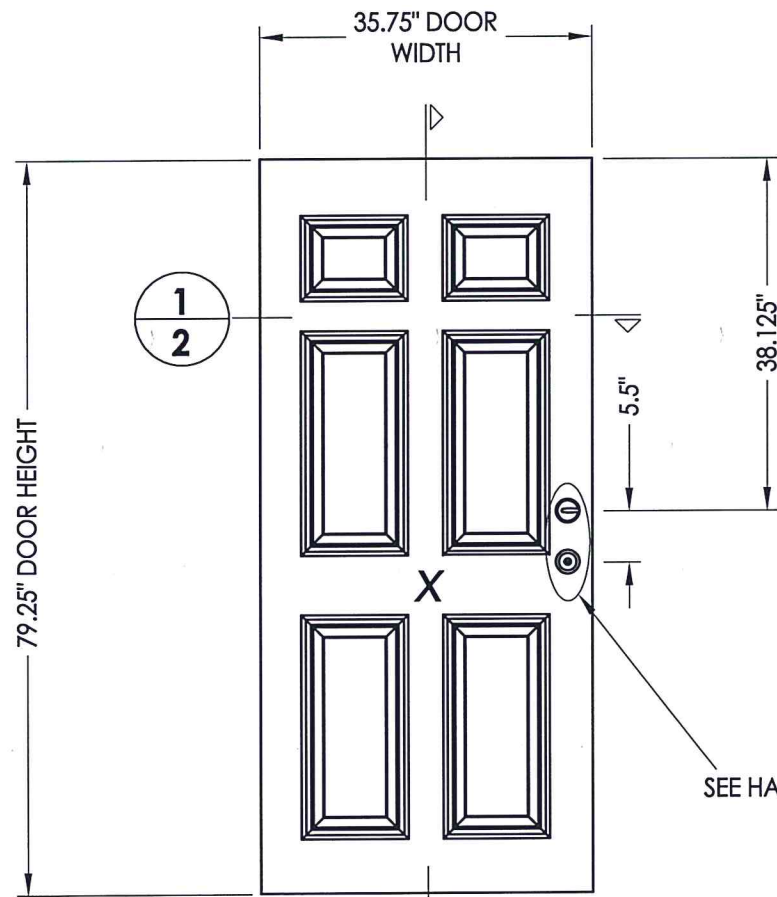
PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
2	5/26/20	UPDATE TO 2018 IBC/IRC CODE
1	01/10/11	ADD LOCK OPTIONS

DATE: 6/23/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4103
SHEET 1 OF 9



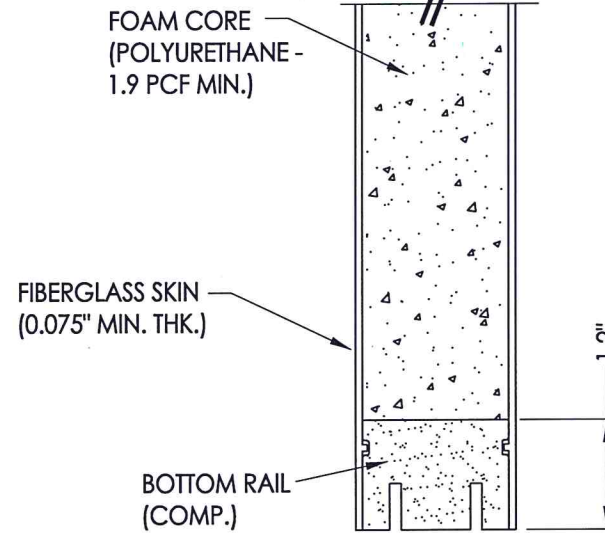
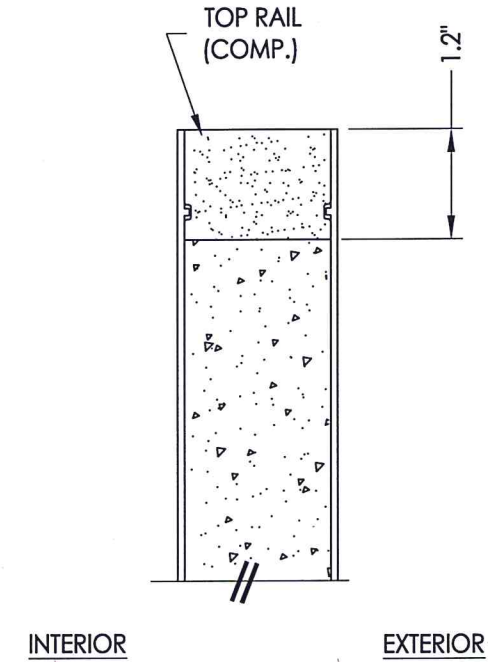
1
2 **HORIZONTAL CROSS SECTION**



40 **DOOR PANEL**
Plastpro
Fiberglass

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (780)
SCHLAGE	KNOB: "F" SERIES (F10) LEVER: "F" SERIES (F10) DEADBOLT: "B" SERIES (B60/62)
SCHLAGE	HANDLE SET W/DEADBOLT: "F" SERIES (F60)

SEE HARDWARE TABLE



2
2 **VERTICAL CROSS SECTION**



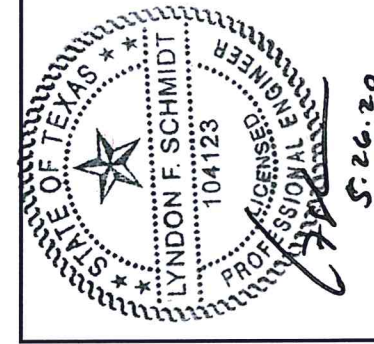
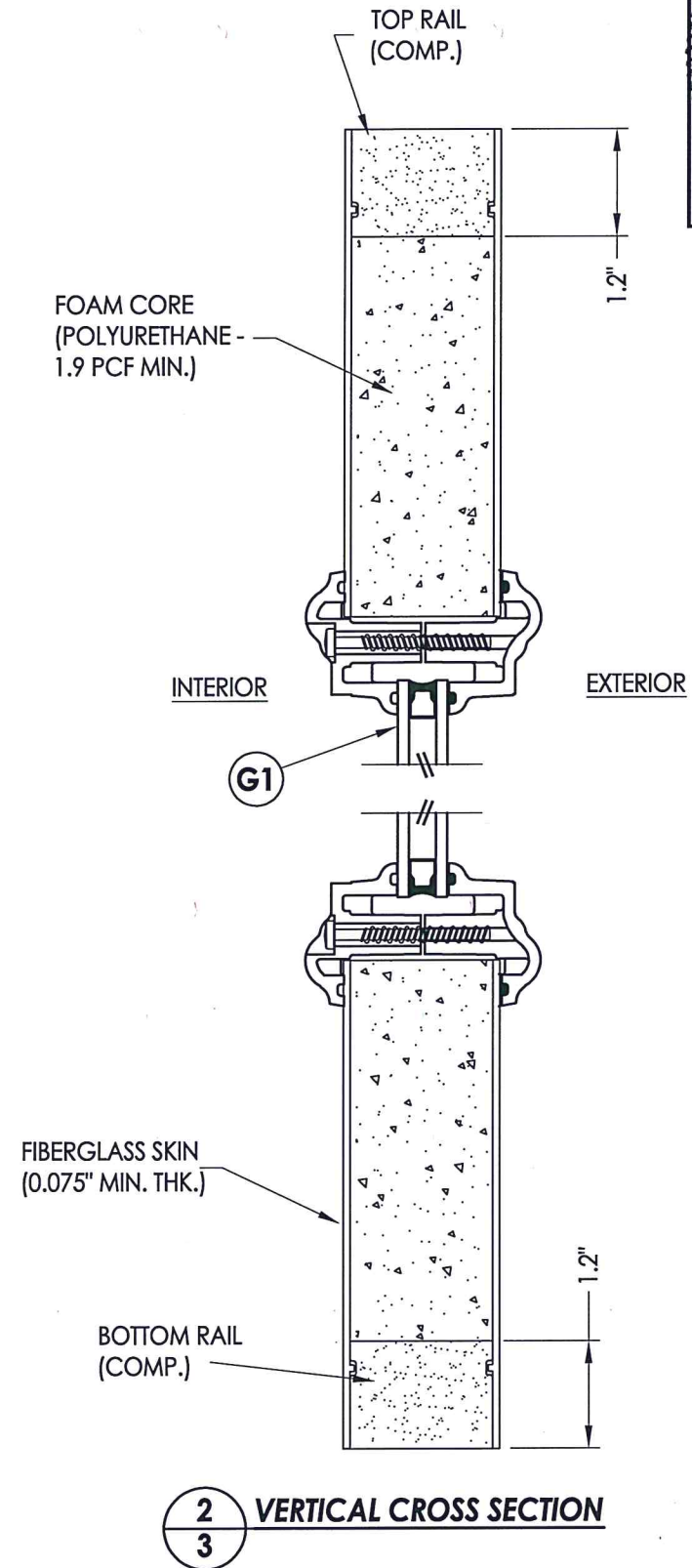
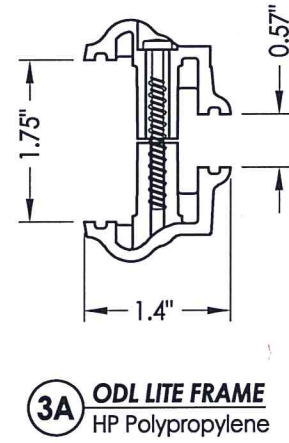
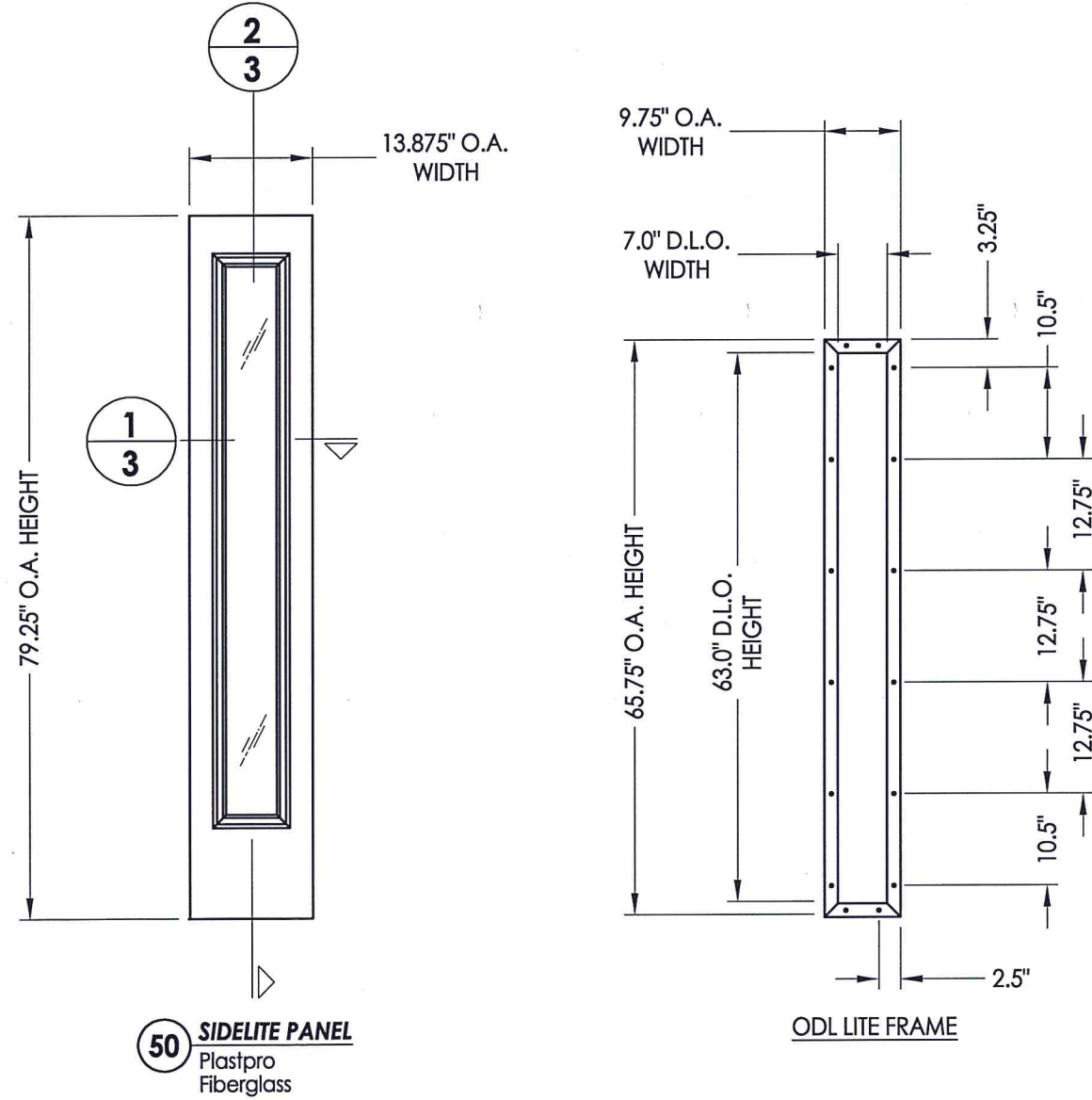
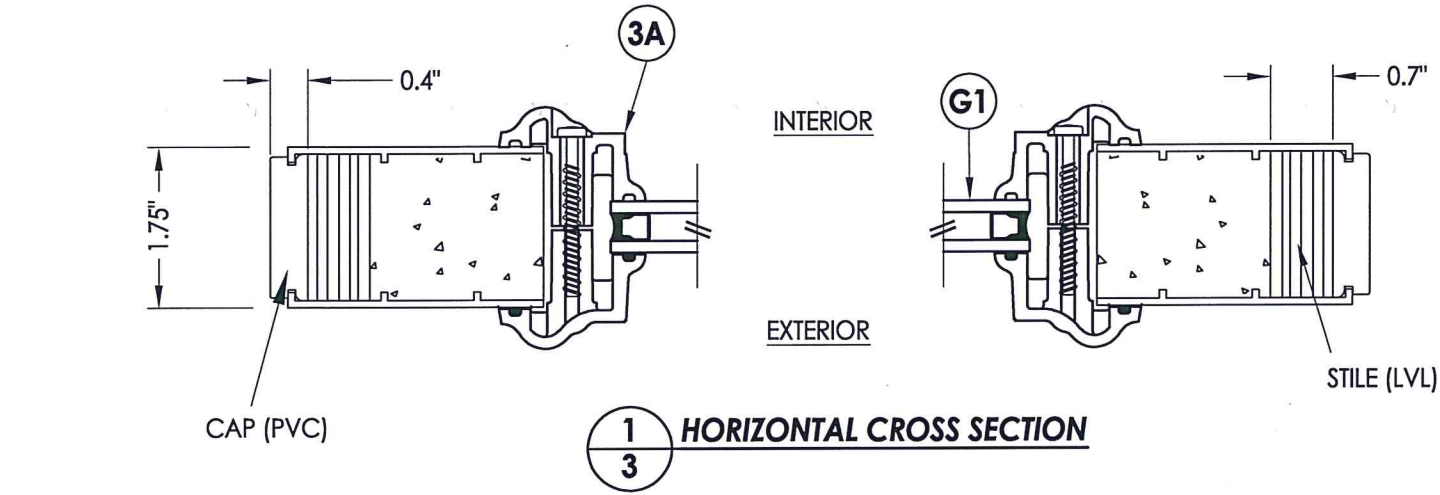
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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 PANEL DETAILS

NO.	DATE	REVISIONS
2	5/26/20	UPDATE TO 2018 IBC/IRC CODE
1	01/10/11	ADD LOCK OPTIONS
		LFS
		LFS
		BY

DATE:	6/23/10
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4103
SHEET	2 OF 9



Documents Prepared By: Lyndon F. Schmidt, P.E.
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL, 33595
Phone No.: 813.689.9197

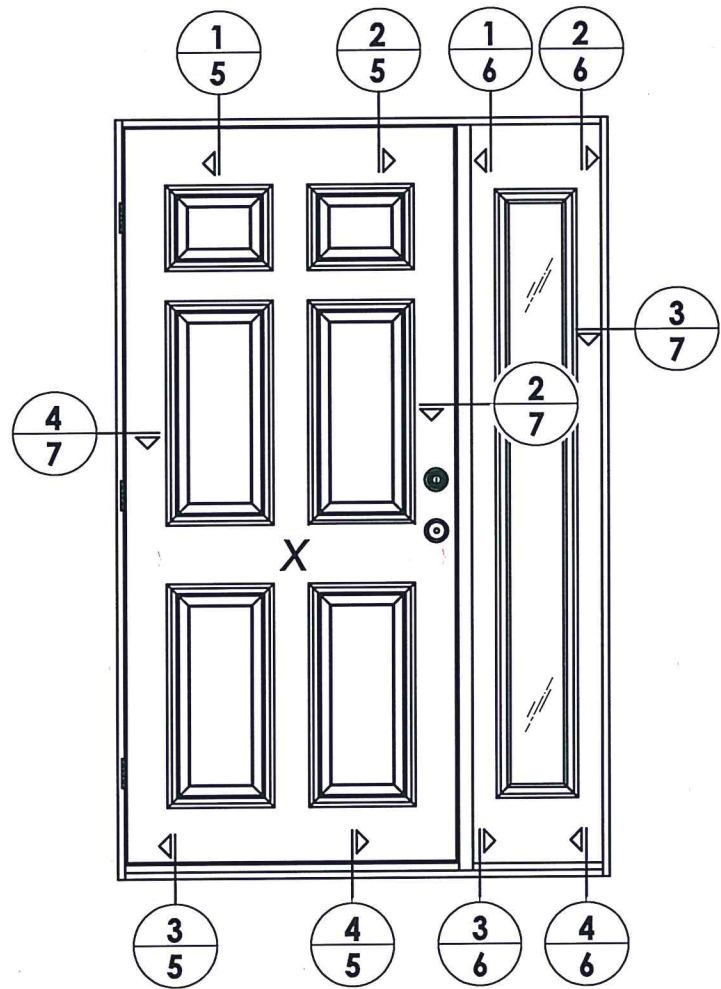
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO
FIBERGLASS DOOR

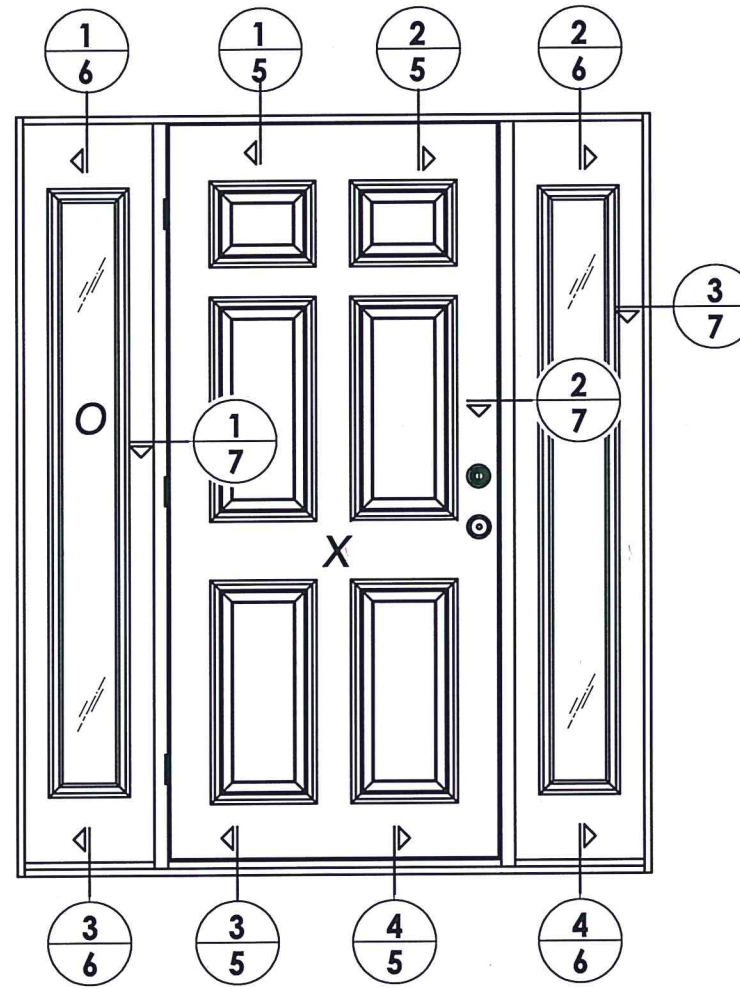
PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS
2	5/26/20	UPDATE TO 2018 IBC/IRC CODE
1	01/10/11	ADD LOCK OPTIONS
		LFS
		BY

DATE: 6/23/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4103
SHEET 3 OF 9



ELEVATION (O/XO - O/OX)



ELEVATION (O/OXO)



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

PRODUCT: PLASTPRO
FIBERGLASS DOOR
PART OR ASSEMBLY:
ELEVATIONS

NO.	DATE	REVISIONS
2	5/26/20	UPDATE TO 2018 IBC/IRC CODE
1	01/10/11	ADD LOCK OPTIONS
		LFS
		BY

DATE: 6/23/10

SCALE: N.T.S.

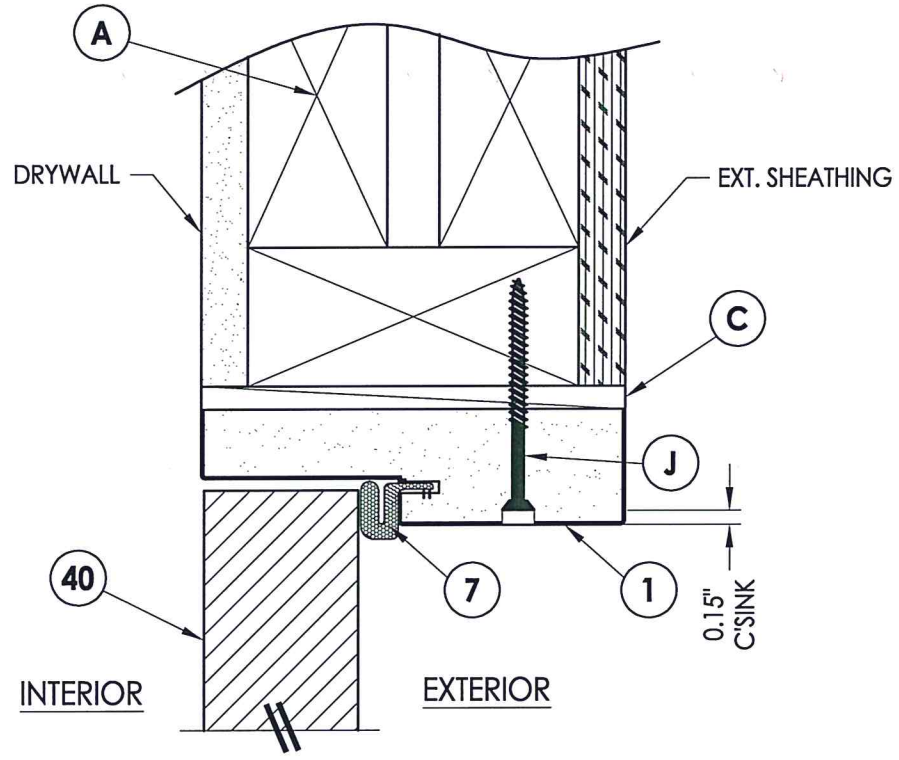
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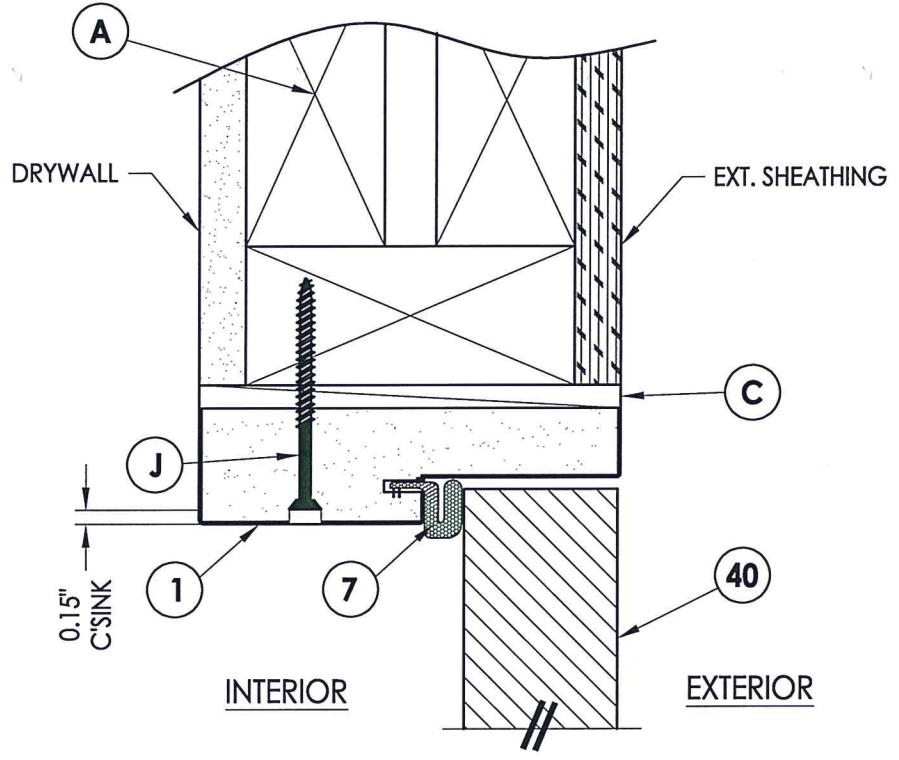
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TX-4103

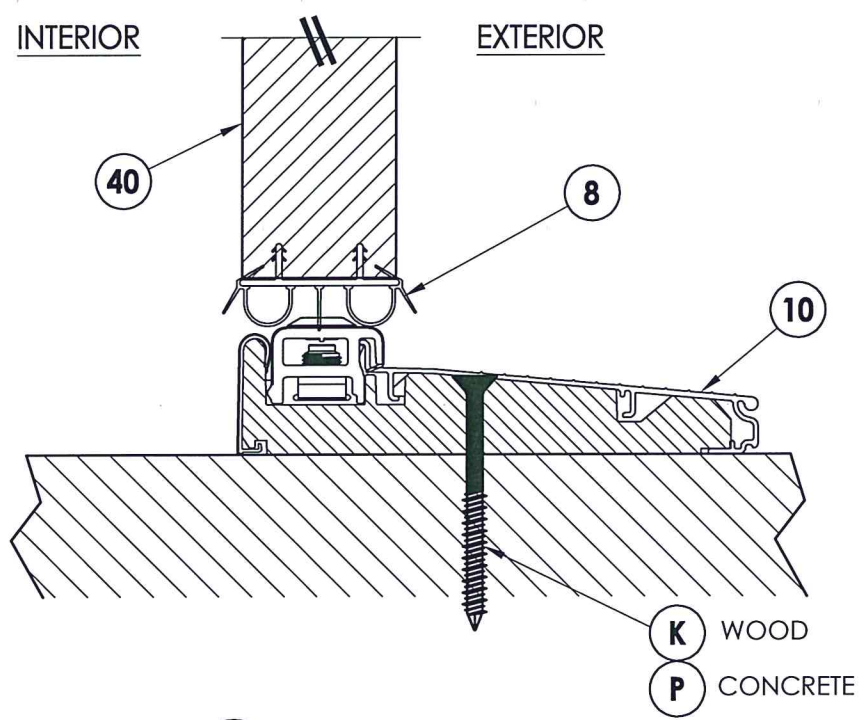
SHEET 4 of 9



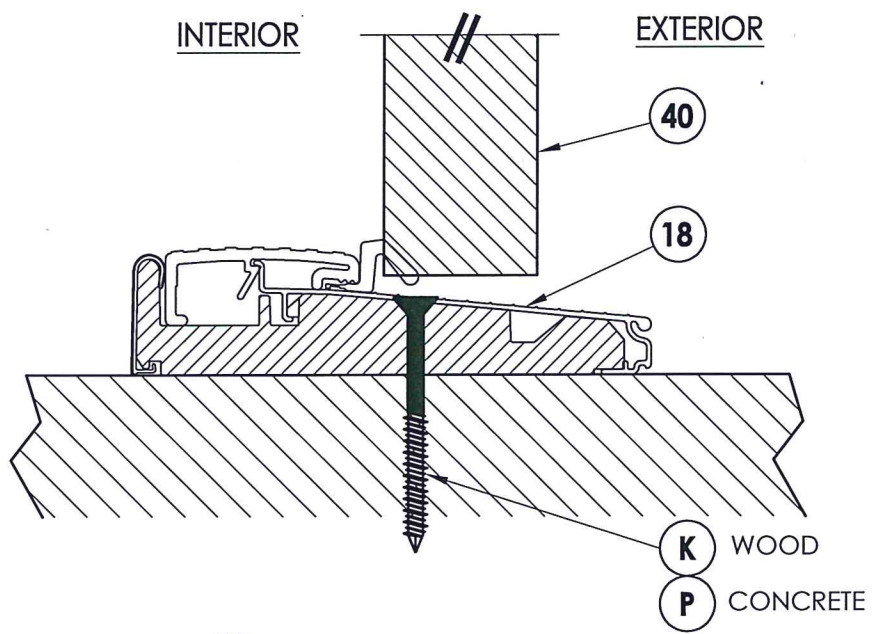
1 VERTICAL CROSS SECTION
5 Inswing shown



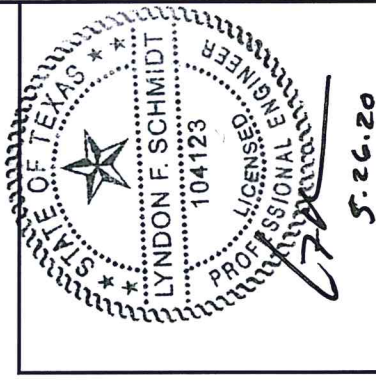
2 VERTICAL CROSS SECTION
5 Outswing shown



3 VERTICAL CROSS SECTION
5 Inswing shown



4 VERTICAL CROSS SECTION
5 Outswing shown



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Phone No.: 813.659.9197

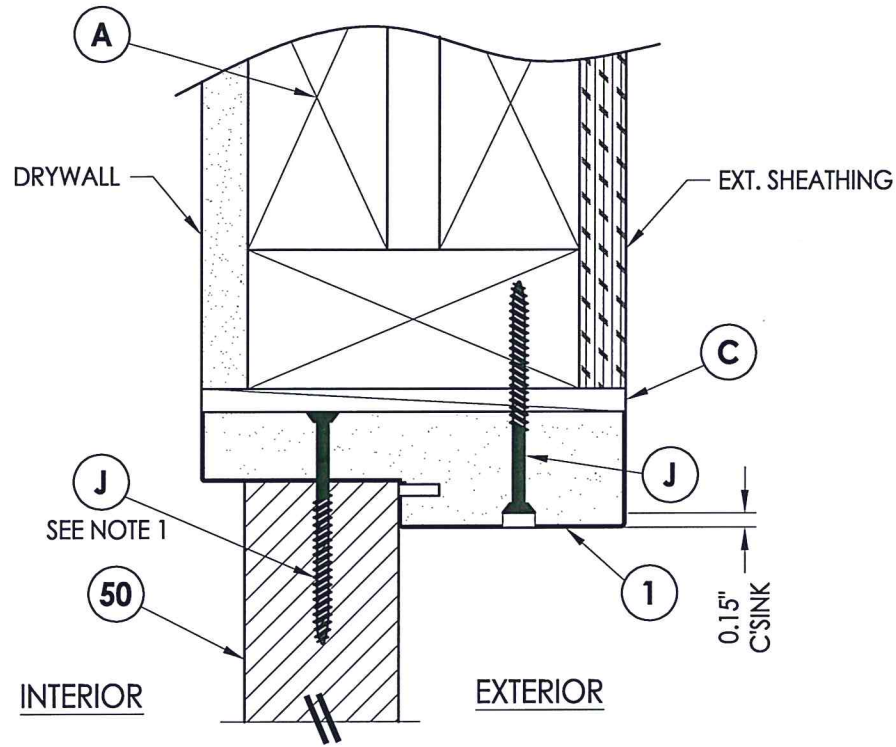
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CERTIFICATE OF REGISTRATION # F-11852

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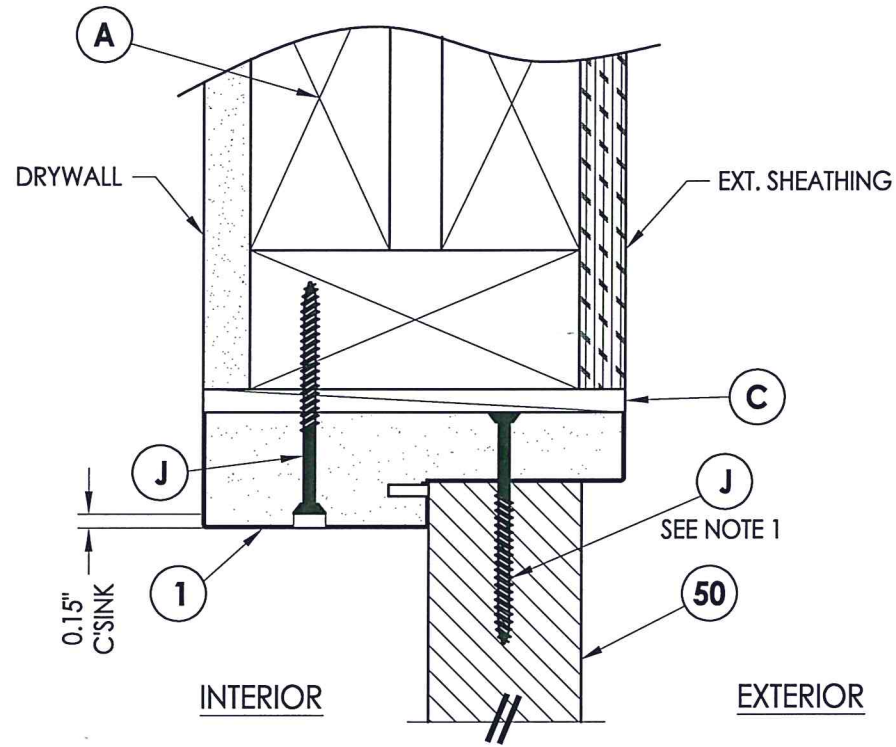
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
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1	01/10/11	ADD LOCK OPTIONS

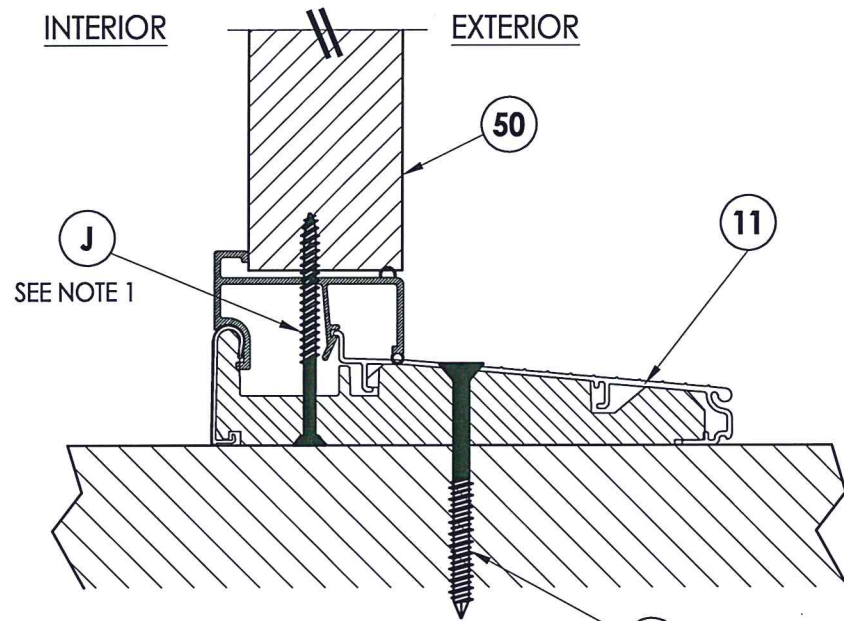
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4103
SHEET 5 of 9



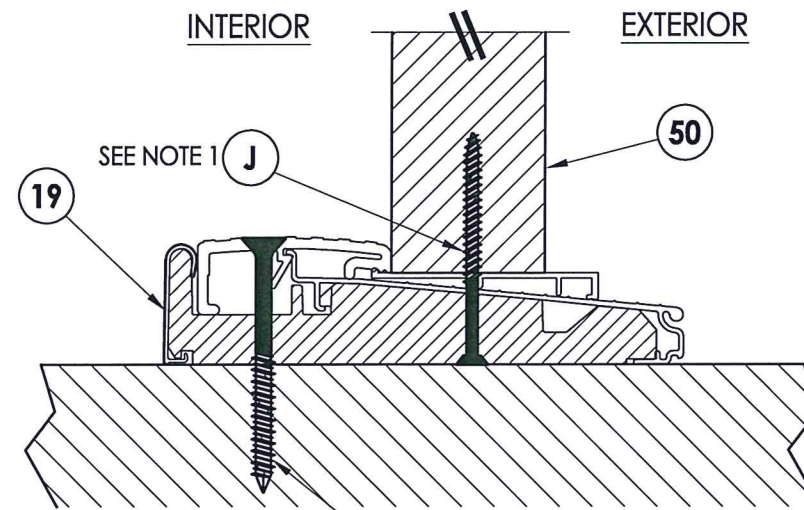
1 VERTICAL CROSS SECTION
6 Inswing shown



2 VERTICAL CROSS SECTION
6 Outswing shown



3 VERTICAL CROSS SECTION
6 Inswing shown



4 VERTICAL CROSS SECTION
6 Outswing shown

NOTE:
1. Spacing for item J:
3.75" from each end.

K WOOD
P CONCRETE

K WOOD
P CONCRETE



Documents Prepared By: Lyndon F. Schmidt, P.E.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
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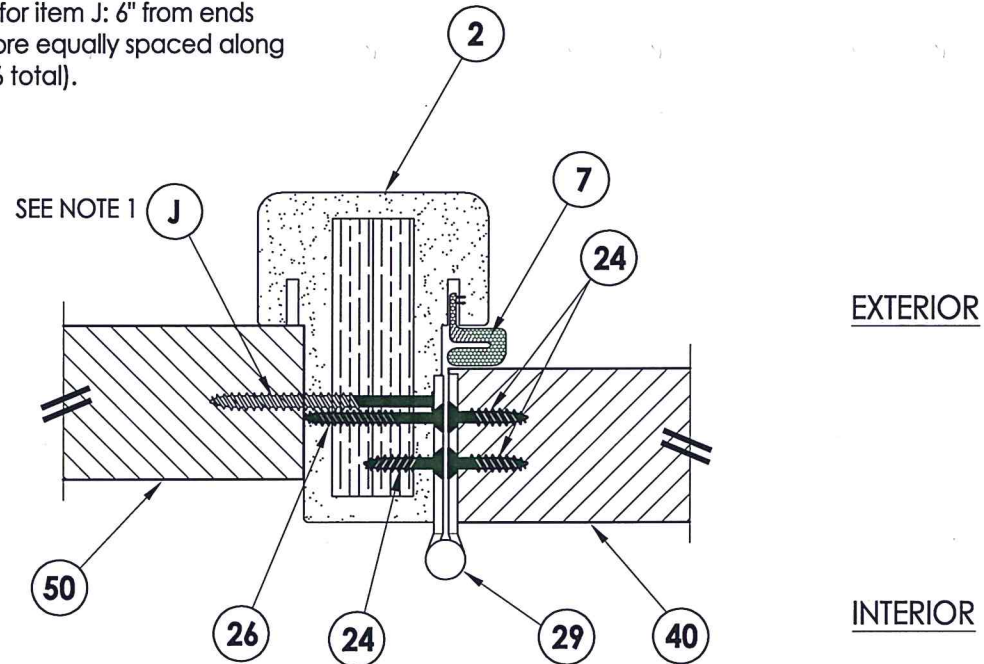
PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
2	5/26/20	LFS	UPDATE TO 2018 IBC/IRC CODE
1	01/10/11	LFS	ADD LOCK OPTIONS

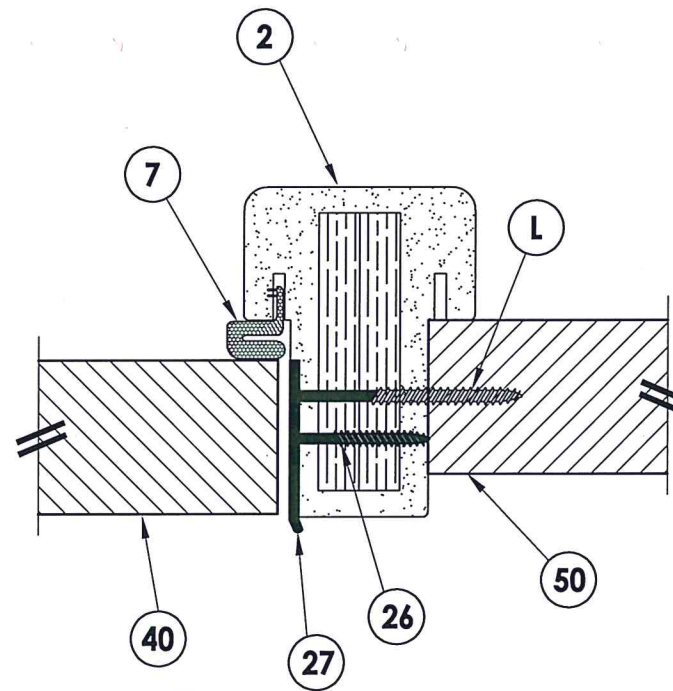
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4103
SHEET 6 OF 9

NOTE:

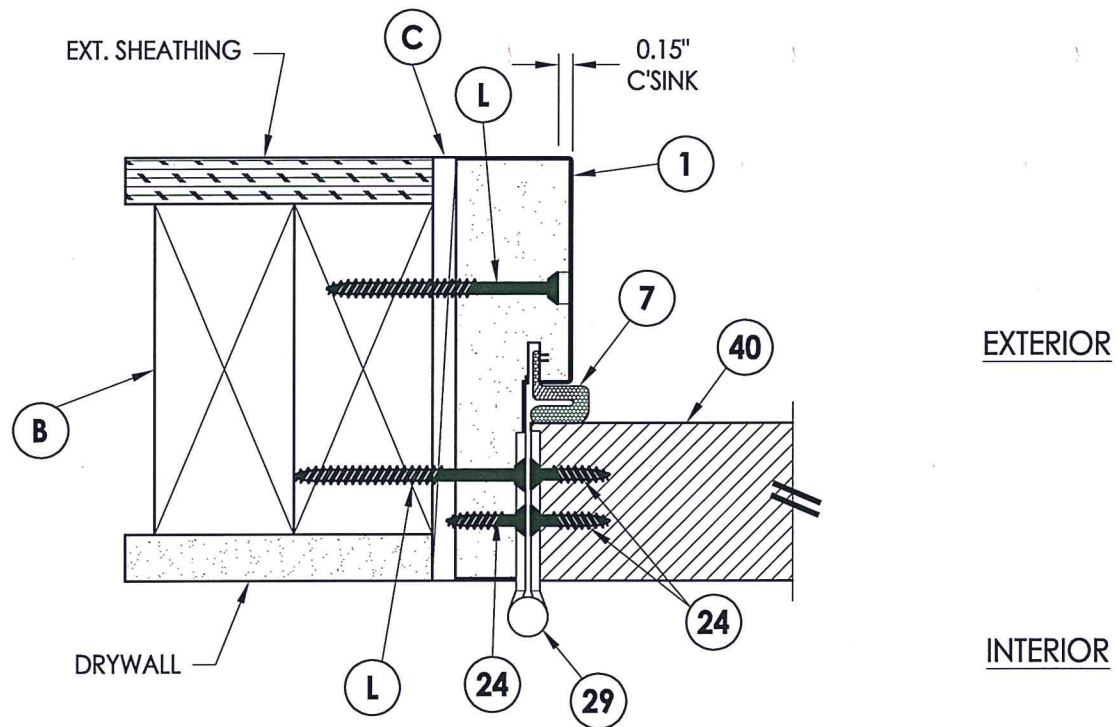
1. Spacing for item J: 6" from ends and 4 more equally spaced along sidelite (6 total).



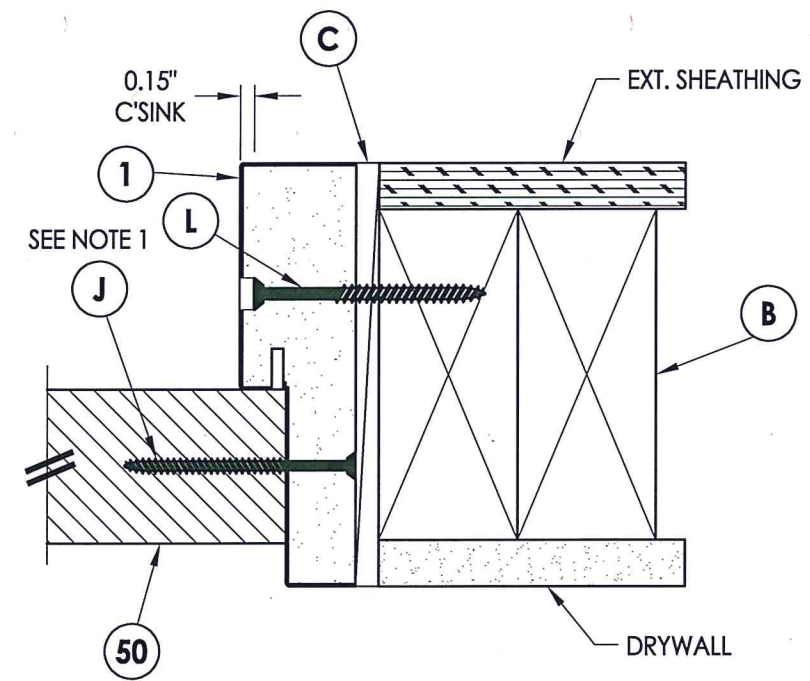
1
7 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



2
7 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



4
7 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



3
7 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



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: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
2	5/26/20	UPDATE TO 2018 IBC/IRC CODE
1	01/10/11	ADD LOCK OPTIONS
		LFS
		BY

DATE: 6/23/10

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

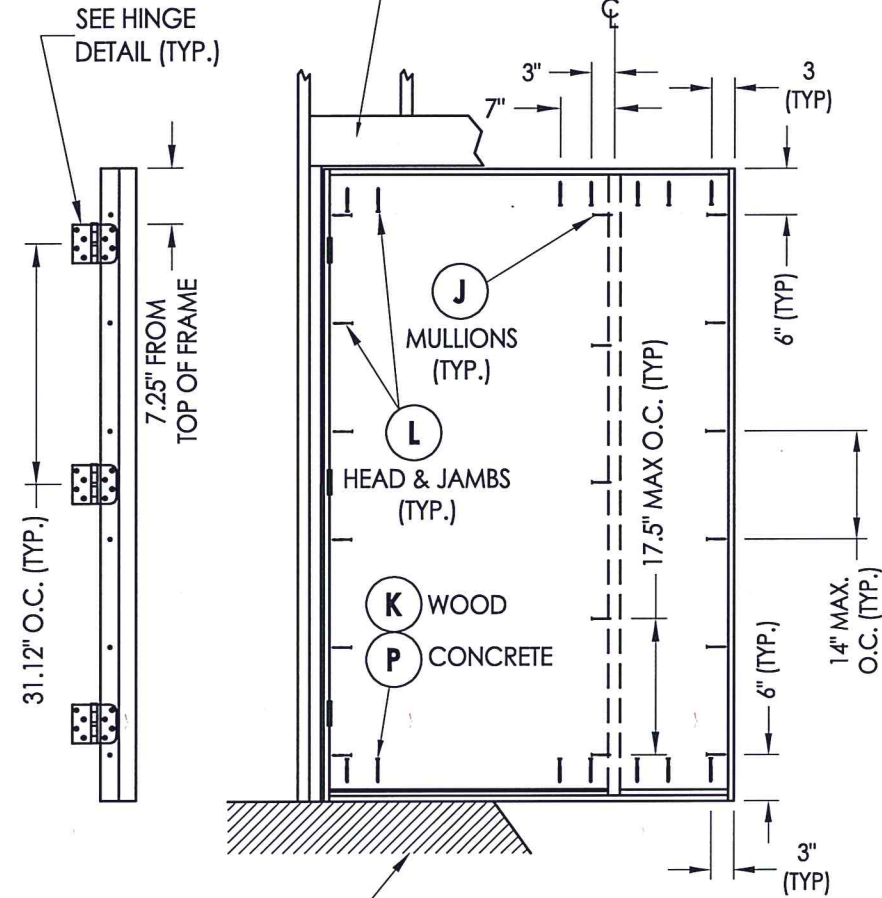
DRAWING NO.:

TX-4103

SHEET 7 OF 9

R:\Clients\Plastpro, Inc PERMANENT\B - TD\Hinged Doors - Fiberglass\DR - 639 Opaque Fiberglass (Non-Impact)\C - Drawings\TX-4103.dwg, 8.1

2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD



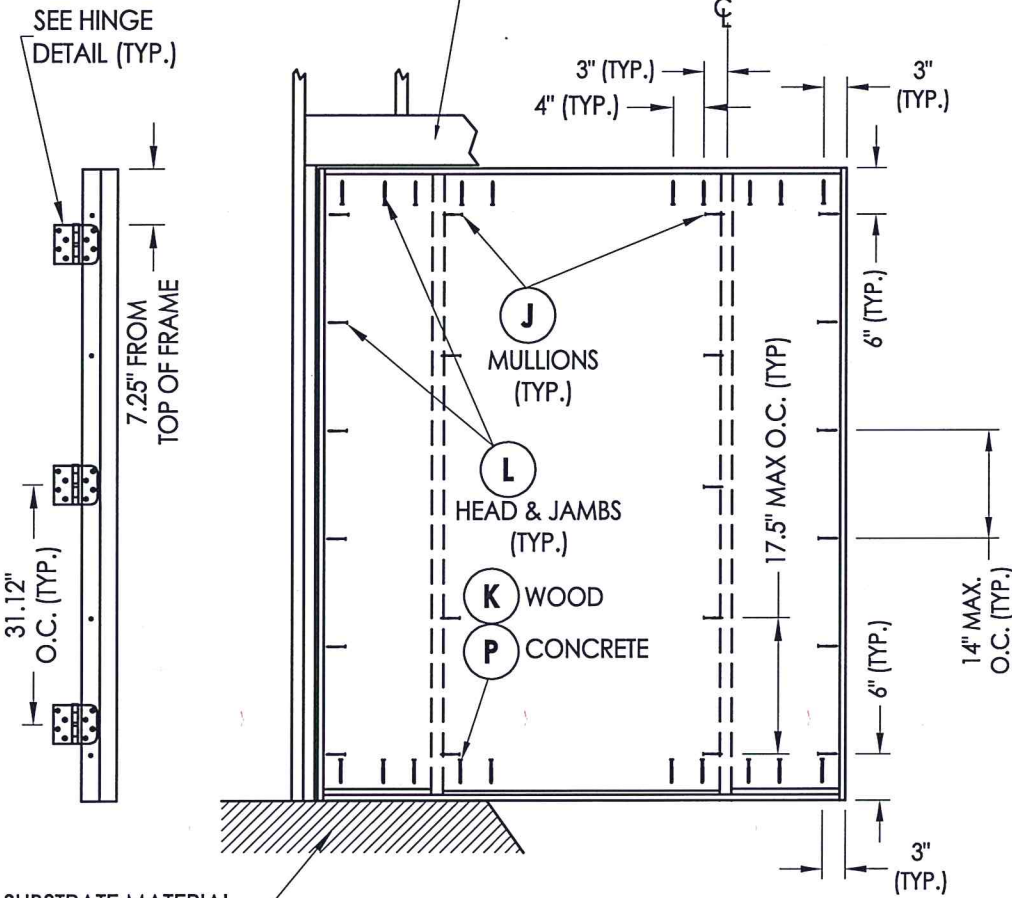
FLOOR SUBSTRATE MATERIAL
CONCRETE (MIN. 3000 PSI)
WOOD (S.G. >= 0.42)

HINGE JAMB

FRAME ANCHORING
OX

STRIKE MULLION

2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD

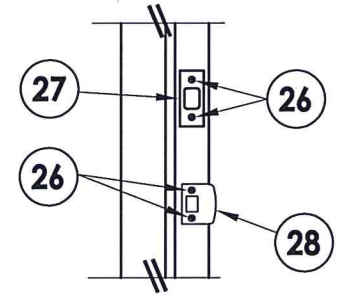


FLOOR SUBSTRATE MATERIAL
CONCRETE (MIN. 3000 PSI)
WOOD (S.G. >= 0.42)

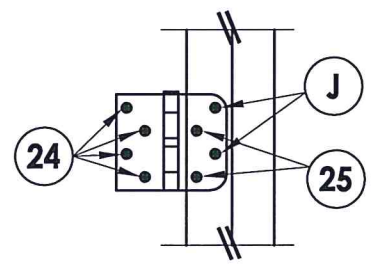
HINGE MULLION

FRAME ANCHORING
OXO

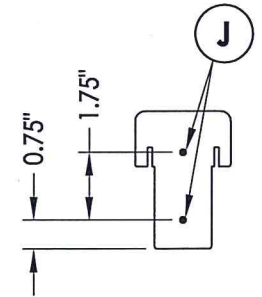
STRIKE MULLION



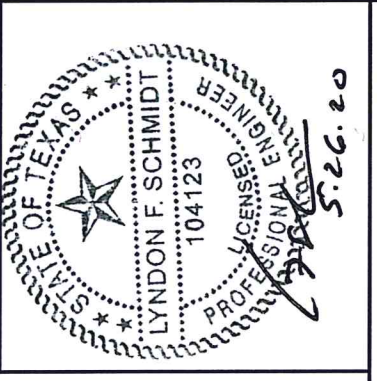
LATCH AND DEADBOLT
Details



HINGE DETAIL



MULLION END DETAIL
@ Head and Sill



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

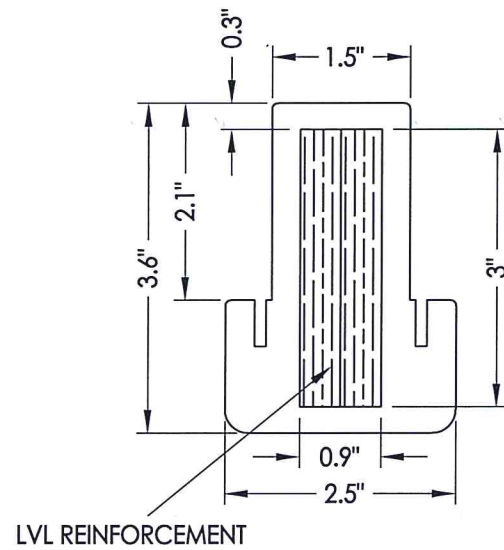
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:	FRAME ANCHORING	
NO.	DATE	BY
2	5/26/20	LFS
1	01/10/11	LFS
REVISIONS		

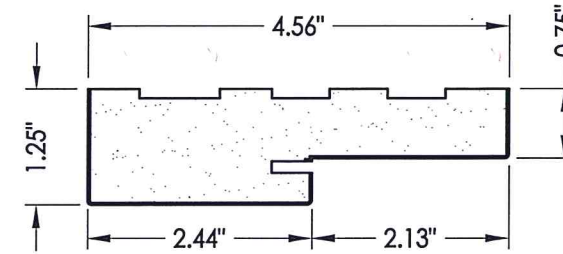
DATE: 6/22/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4103
SHEET 8 OF 9

R:\Clients\Plastpro, Inc PERMANENT\B - TD\Hinged Doors - Fiberglass\DR - 639 Opaque Fiberglass (Non-Impact)\C - Drawings\TX-4103.dwg, 9.1

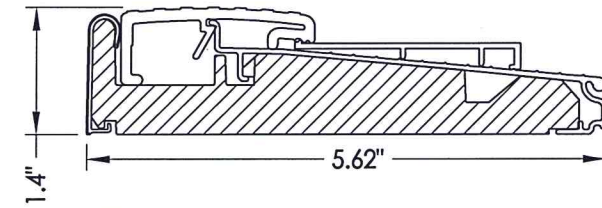
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X HEADER FRAMING SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
J	#9 X 2-1/2" DRYWALL SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW	STEEL
P	1/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
1	POLY FIBER JAMB	COMP.
2	COMPOSITE MULLION w/ LVL REINFORCEMENT	COMP/LVL
4	#8 X 1-1/2" PPH SMS	STEEL
5	INT. FRAME	PVC
6	EXT. FRAME	PVC
7	WEATHERSTRIP (ENDURA FORCE 5)	FOAM
8	SWEEP	PVC
9	ALUMINUM SPACER	ALUMINUM
10	INSWING THRESHOLD	ALUM/COMP
11	INSWING THRESHOLD W/SIDELITE ADAPTER	ALUM/COMP
12	HOMERUN SEALANT	-
13	READISEAL SEALANT	-
18	OUTSWING THRESHOLD	ALUM/COMP
19	OUTSWING THRESHOLD W/SIDELITE ADAPTER	ALUM/COMP
24	#9 x 3/4" PFH WOOD SCREW	STEEL
26	#8 x 1-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4 X4 HINGE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-



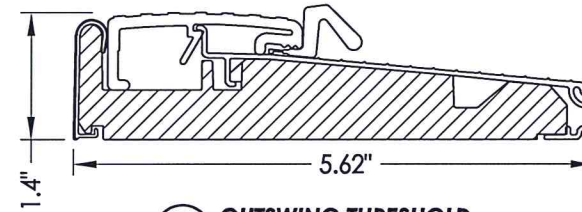
2 COMPOSITE MULLION w/ LVL REINFORCEMENT



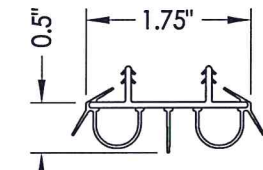
1 POLY FIBER JAMB



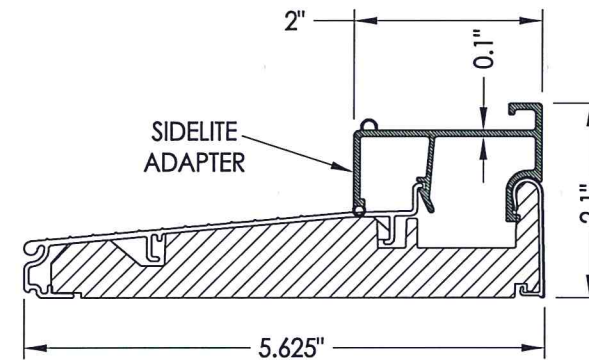
19 OUTSWING THRESHOLD w/ SIDELITE ADAPTER
By Endura



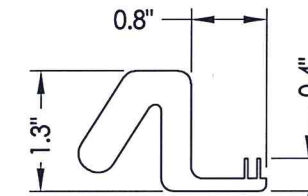
18 OUTSWING THRESHOLD
By Endura



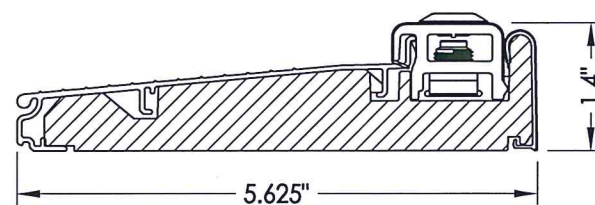
8 SWEEP



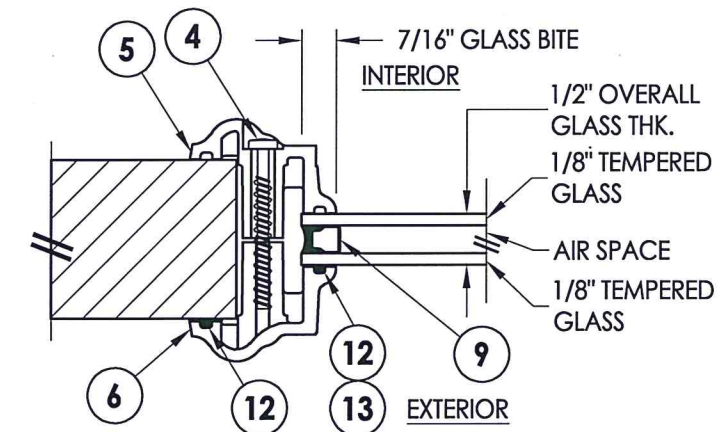
11 INSWING THRESHOLD w/ SIDELITE ADAPTER
By Endura



7 WEATHERSTRIP



10 INSWING THRESHOLD
By Endura

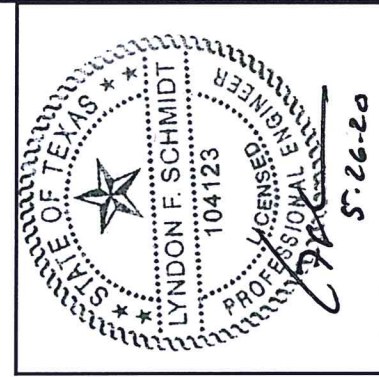


G1 GLAZING DETAIL

CONCRETE ANCHOR NOTES:

- Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If 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" dimensions are not exceeded.
- Concrete anchor table:

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



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: BILL OF MATERIALS, COMPONENTS & GLAZING DETAILS

NO.	DATE	REVISIONS
2	5/26/20	UPDATE TO 2018 IBC/IRC CODE
1	01/10/11	ADD LOCK OPTIONS

DATE: 6/23/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4103
SHEET 9 OF 9