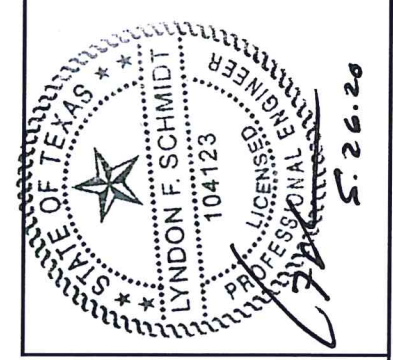


plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

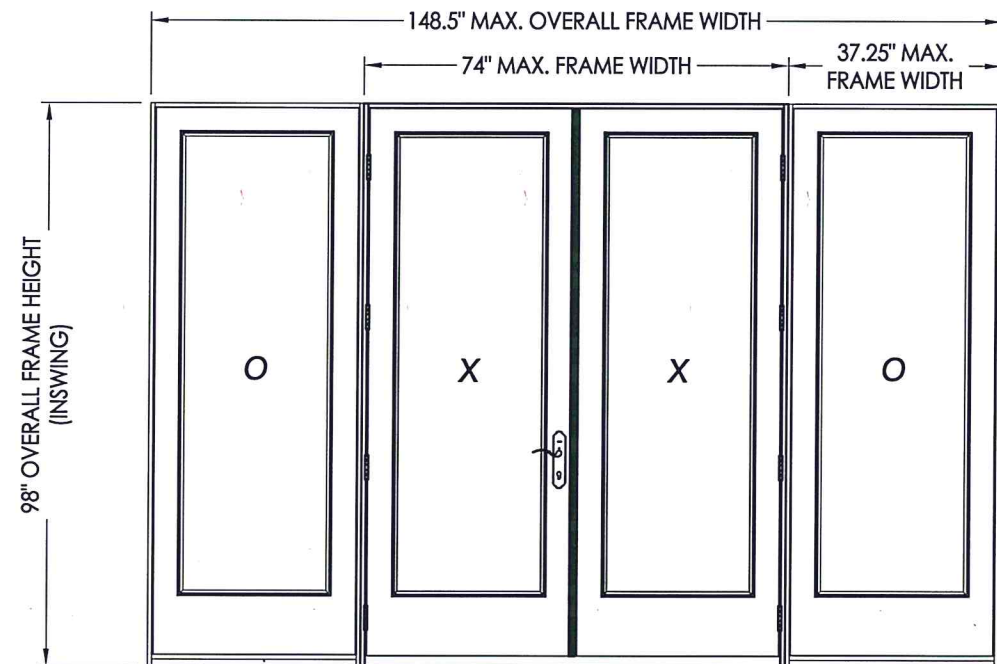
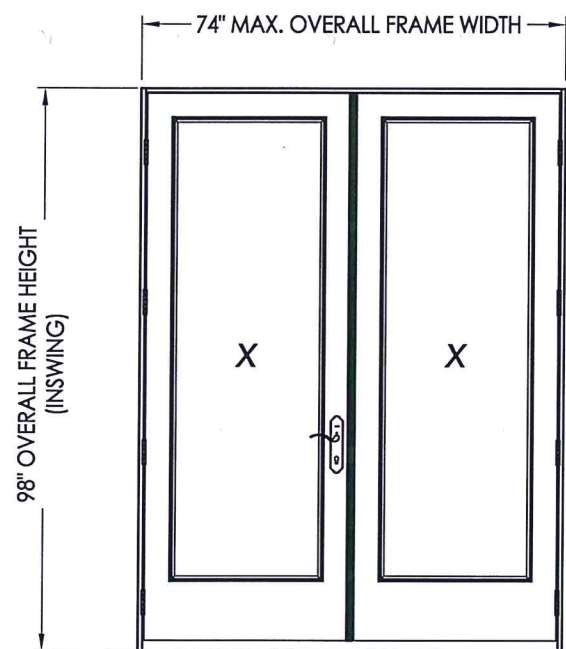
FLUSH GLAZED FIBERGLASS DOORS DOUBLES w/ or w/out SIDELITES INSWING "NON-IMPACT"



Documents Prepared By: Lyndon F. Schmidt, P.E.
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RW BUILDING CONSULTANTS, INC.
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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. 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.

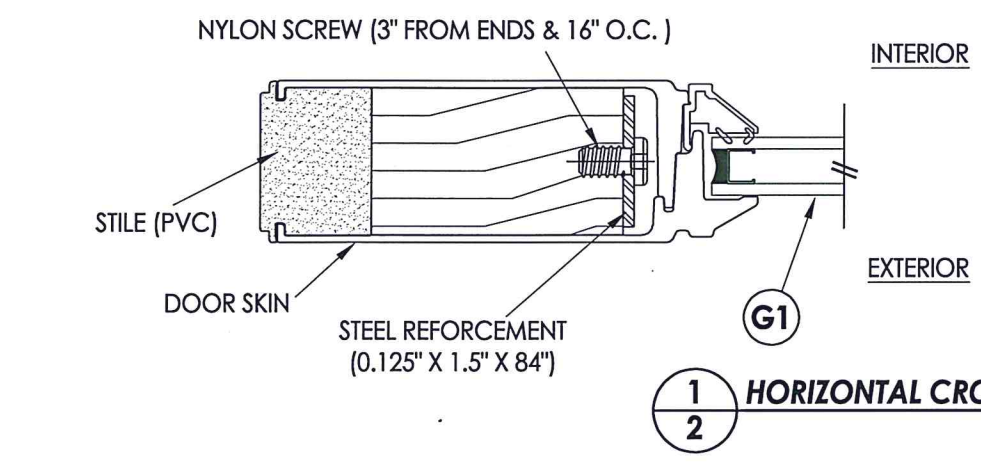
TABLE OF CONTENTS

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

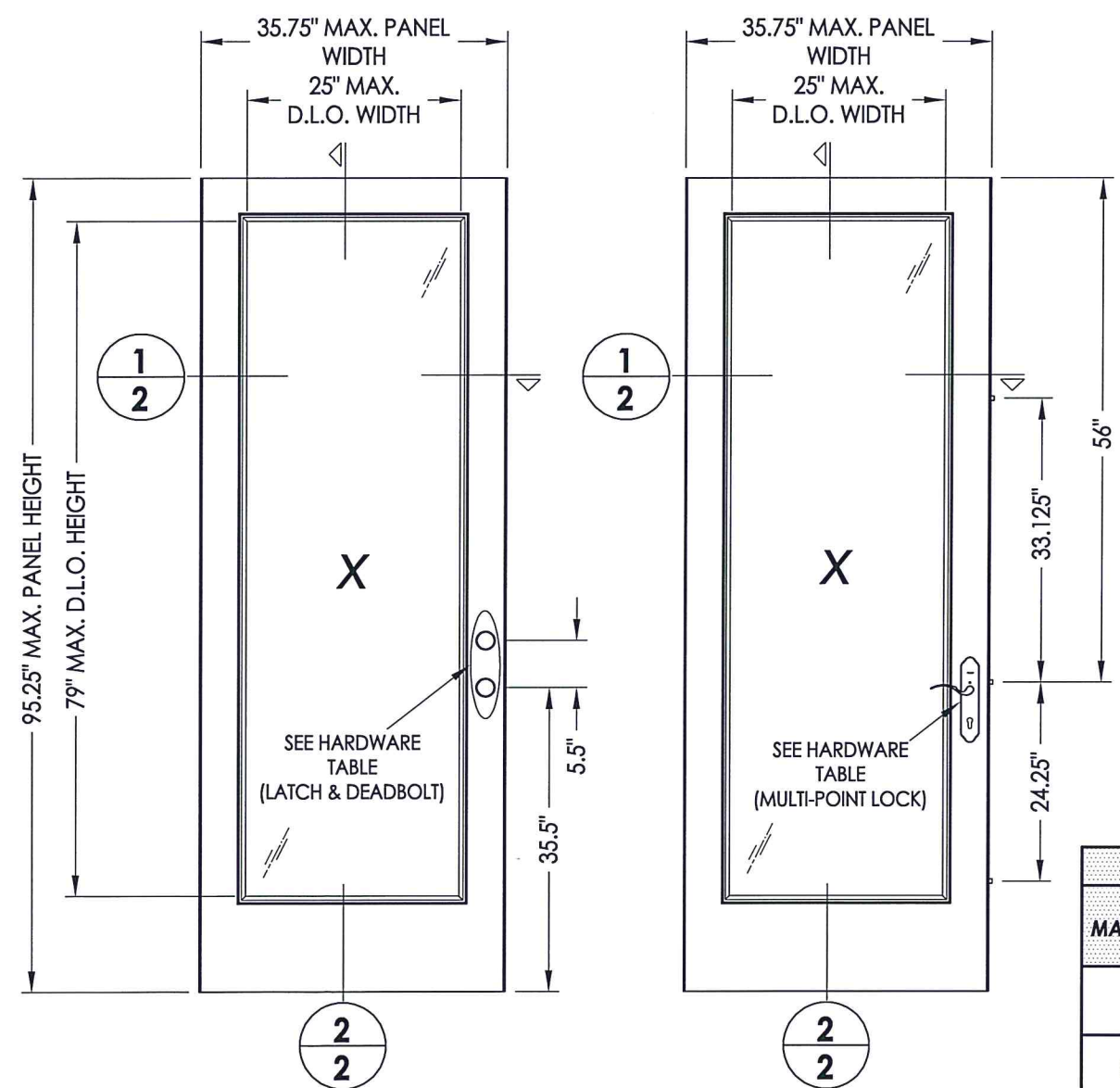
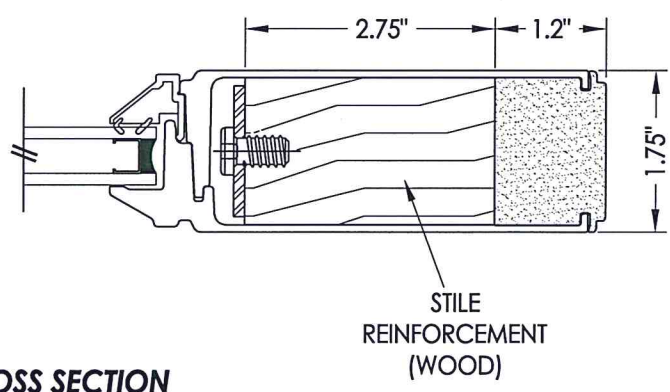
CONFIG.	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING	
		POS.	NEG.
XX	74.0" x 98.0"	+50.0	-60.0
OXXO	148.5" x 98.0"	+50.0	-55.0

PRODUCT:		PART OR ASSEMBLY:	
PLASTPRO FIBERGLASS DOOR		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	BY	REVISIONS
1	5/21/20	LFS	UPDATE TO 2018 IBC/IRC CODE
DATE: 1/13/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4595			
SHEET 1 OF 8			

R:\Clients\Plastpro, Inc PERMANENT\B - TD\TDL - DR 787 Flush Glazed Non-ImpactC - Drawings\TX-4594.4595.dwg.2

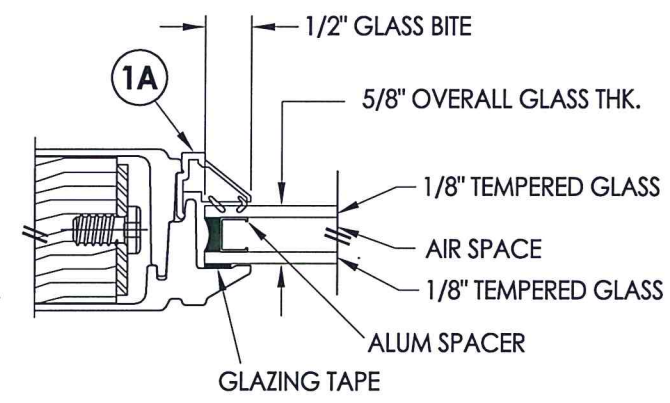


1
2 **HORIZONTAL CROSS SECTION**

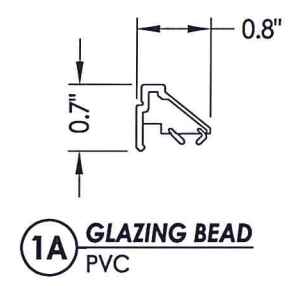


40 **PLASTPRO DOOR PANEL**
 FLUSH GLAZED

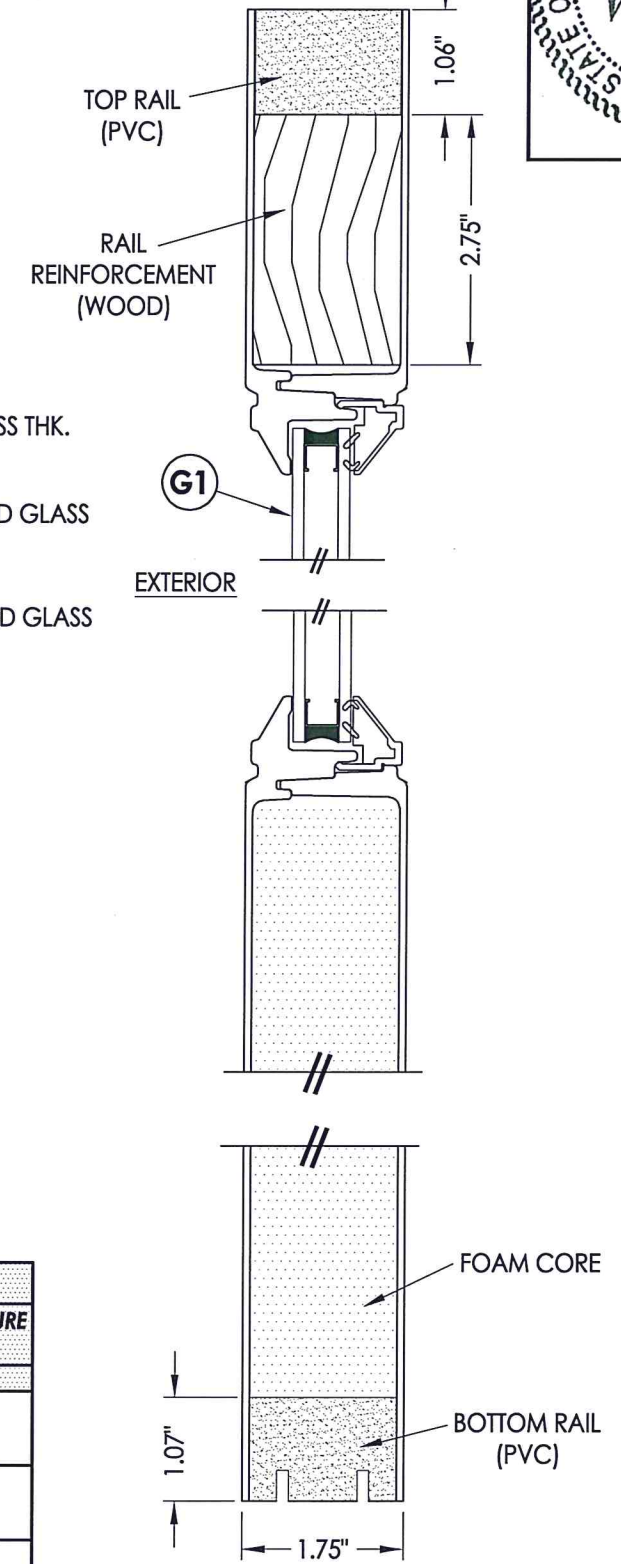
DOOR SKIN: FIBERGLASS (0.086" MIN. THK.)
 FOAM CORE: POLYURETHANE (1.9 PCF MIN.)



G1 **GLAZING DETAIL**
 FLUSH GLAZED



HARDWARE TABLE		
MANUFACTURER	MODEL	MAX. DESIGN PRESSURE (PSF)
		INSWING
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SERIES (660)	+50/-60
SCHLAGE	KNOB: F51 DEADBOLT: B60N	+50/-60
YALE	KNOB: NEW TRADITIONS DEADBOLT: YH 82	+50/-55
ENDURA PRODUCTS	MULTI-POINT LOCK: TRILENNIUM 3000 SERIES (3 PT.)	+50/-55



2
2 **VERTICAL CROSS SECTION**



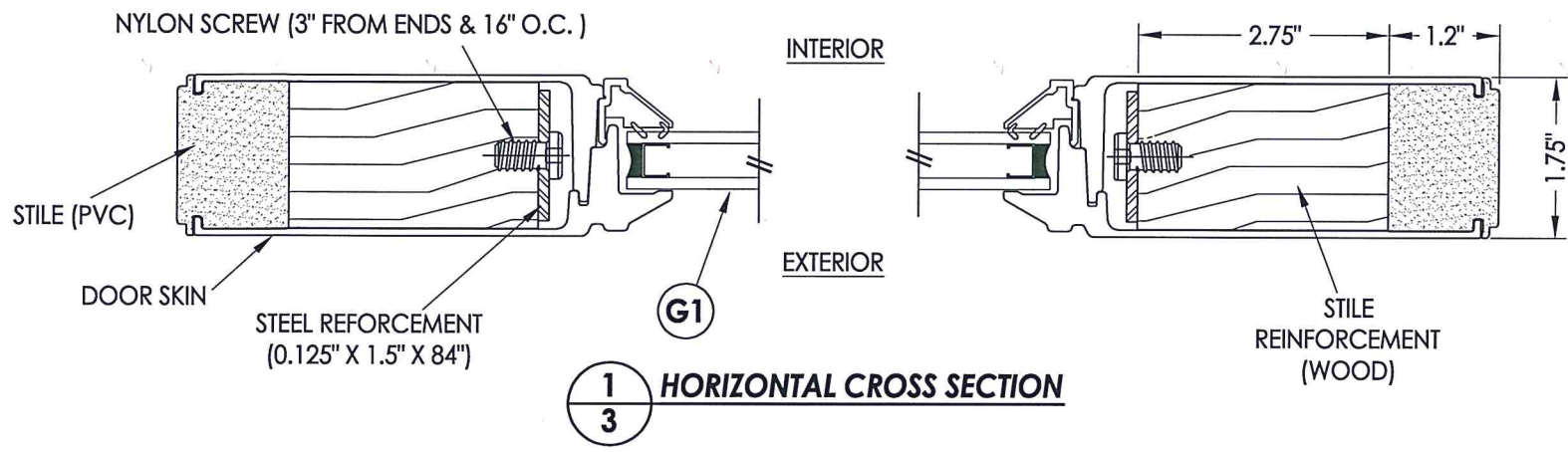
Documents Prepared By: Lyndon F. Schmidt, P.E.
 TEXAS P.E. #104123
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Vairico FL 33595
 Phone No.: 813.659.9197
 TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

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

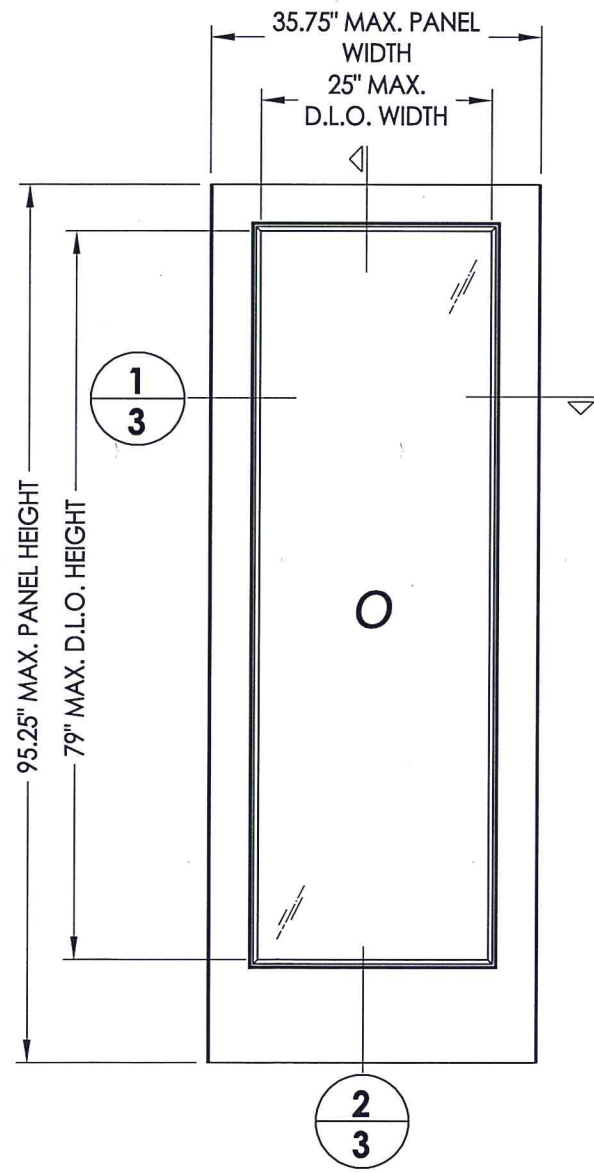
NO.	DATE	REVISIONS
1	5/21/20	UPDATE TO 2018 IBC/IRC CODE
LFS		
BY		

DATE: 1/13/16
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4595
 SHEET 2 OF 8

R:\Clients\Plastpro, Inc. PERMANENT\B - ID\INTDI - DR.78Z Elush Glazed Non-Impact\C - Drawings\TX-4594.dwg_3

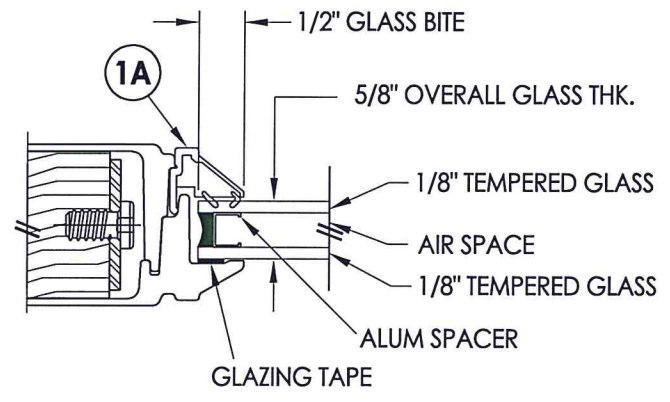


1
3 HORIZONTAL CROSS SECTION

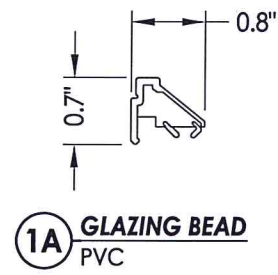


50 PLASTPRO SIDELITE PANEL
FLUSH GLAZED

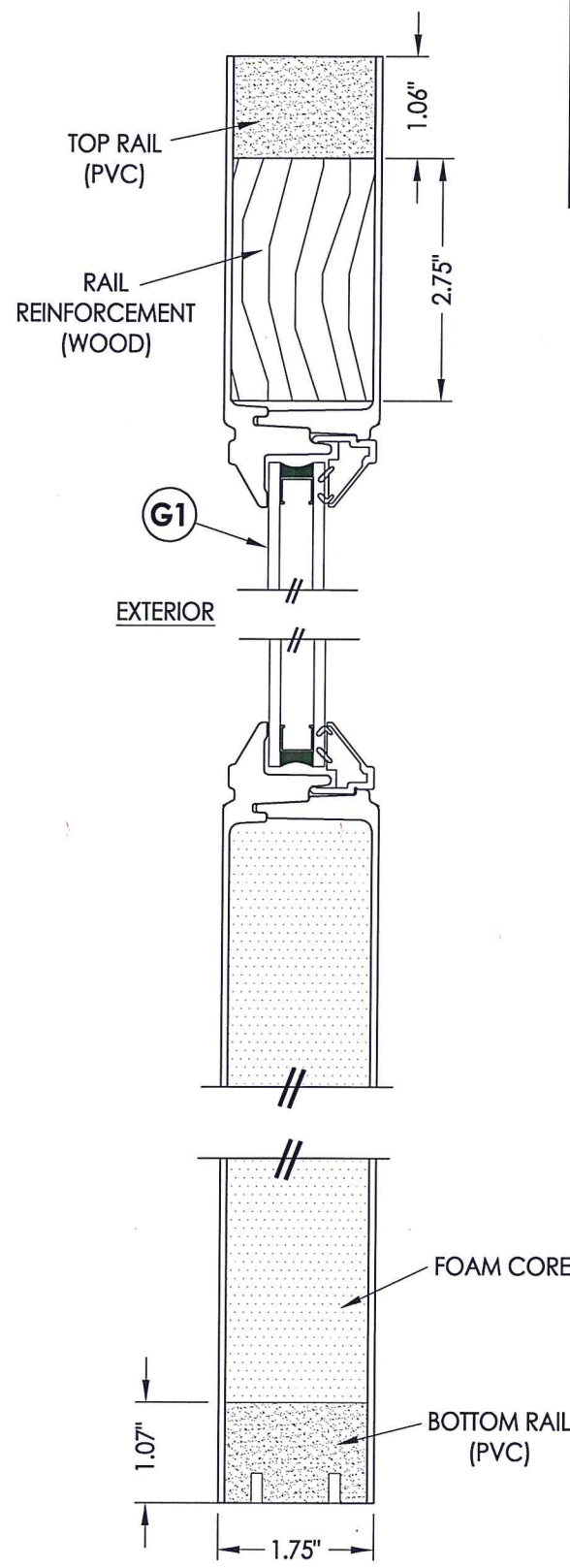
DOOR SKIN: FIBERGLASS (0.086" MIN. THK.)
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)



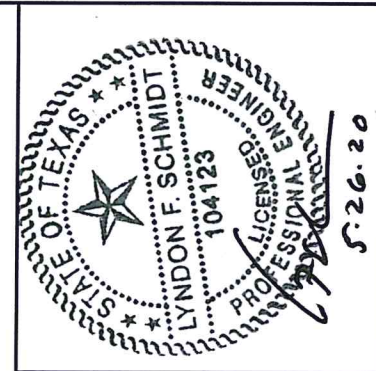
G1 GLAZING DETAIL
FLUSH GLAZED



1A GLAZING BEAD
PVC



2
3 VERTICAL CROSS SECTION

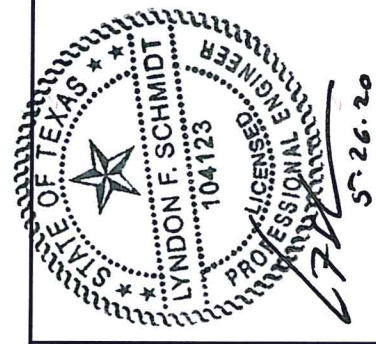
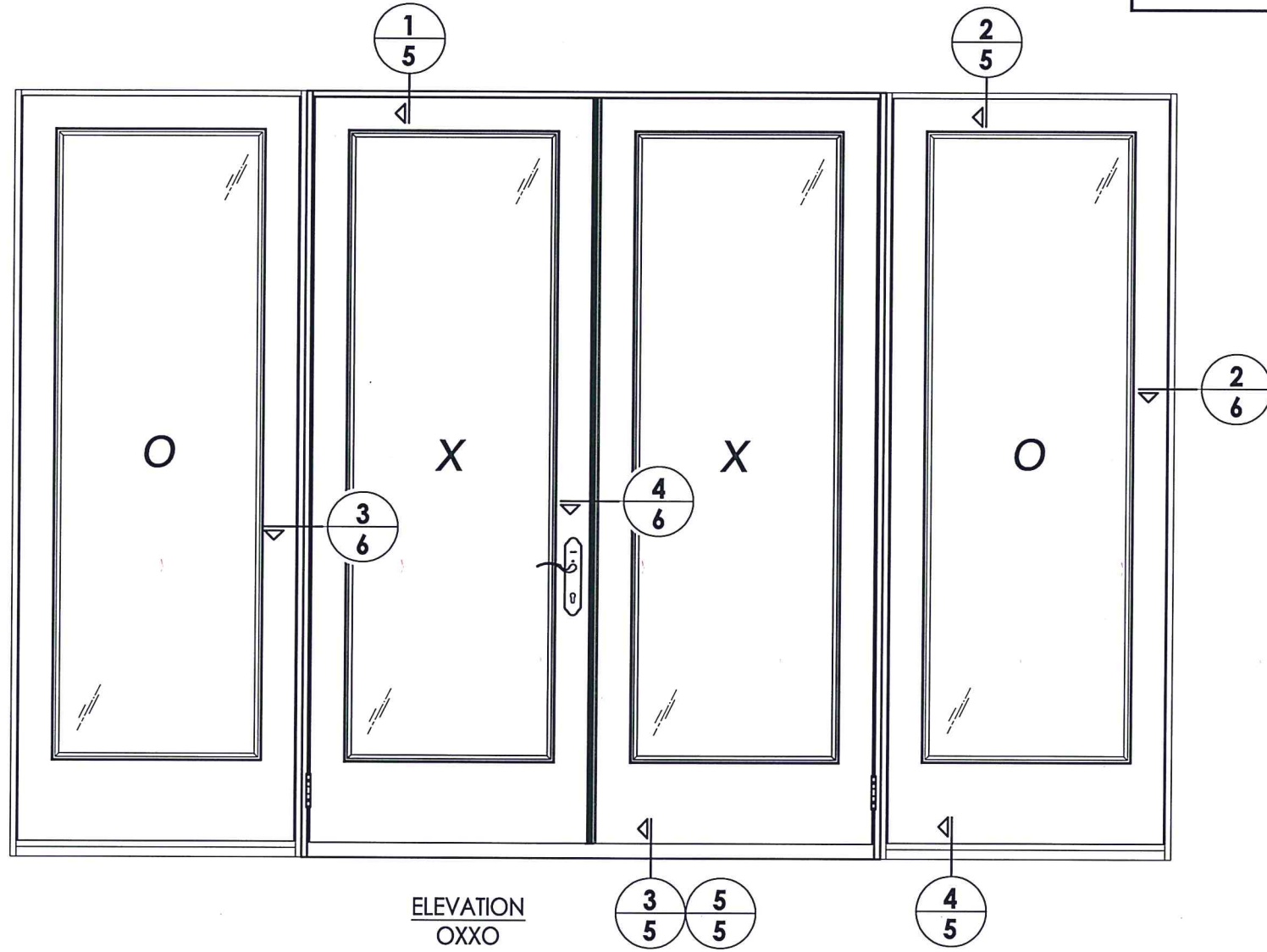
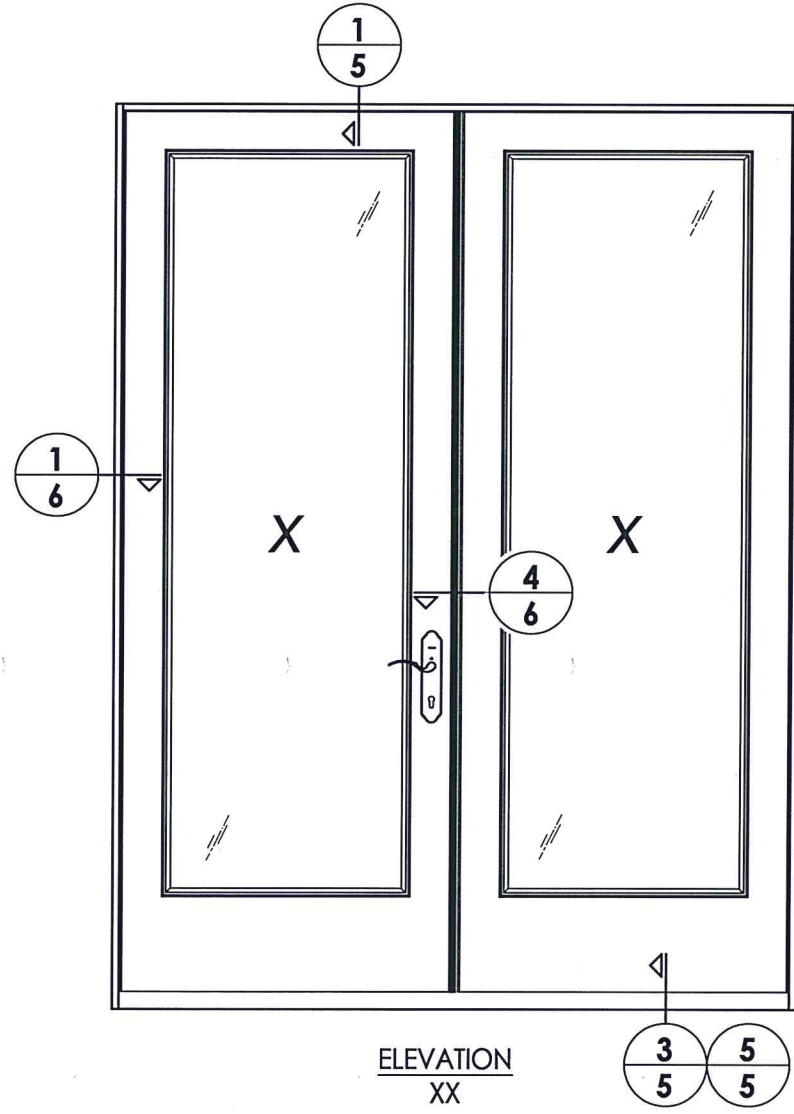


Documents Prepared By: Lyndon F. Schmidt, P.E.
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P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9197

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

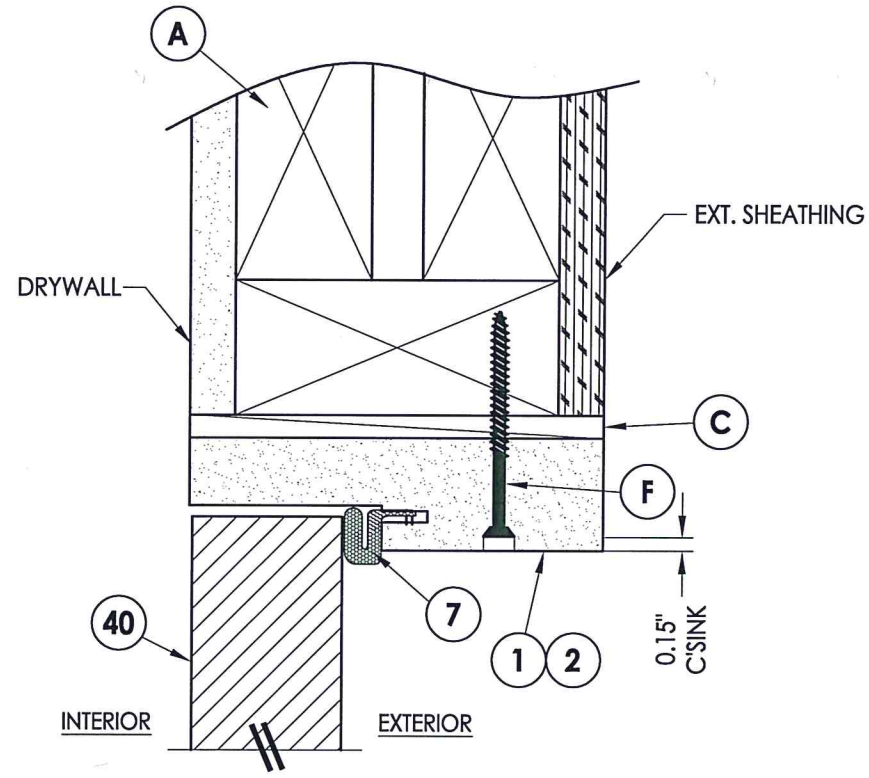
PRODUCT:	PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:	SIDELITE PANEL DETAILS	
NO.	DATE	REVISIONS
1	5/21/20	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY
DATE: 1/13/16		
SCALE: N.T.S.		
DWG. BY: JK		
CHK. BY: LFS		
DRAWING NO.: TX-4595		
SHEET 3 OF 8		



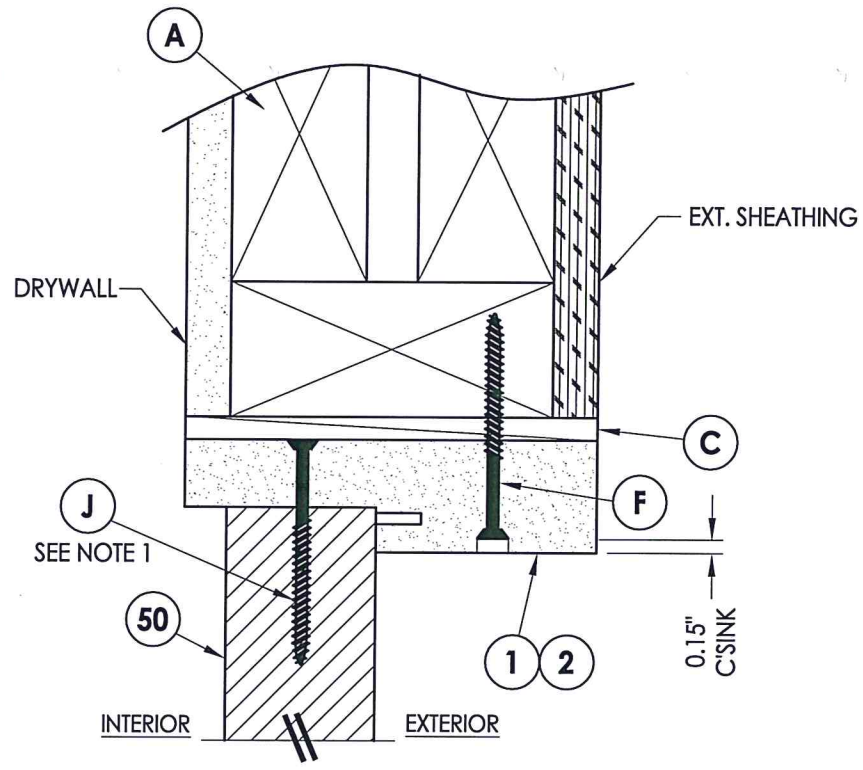
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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: ELEVATIONS	
NO.	DATE
1	5/21/20
UPDATE TO 2018 IBC/IRC CODE	
LFS	BY
REVISIONS	
DATE: 1/13/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: TX-4595	
SHEET 4 OF 8	

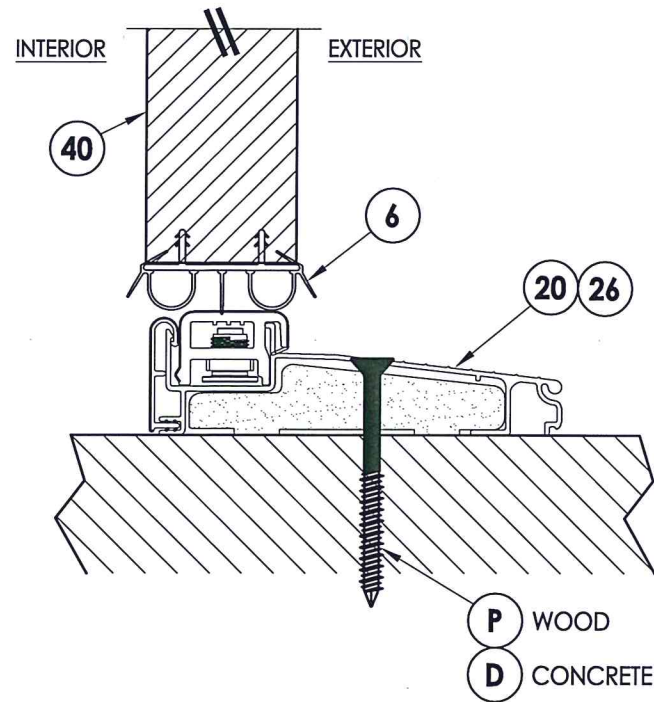


1 VERTICAL CROSS SECTION
5

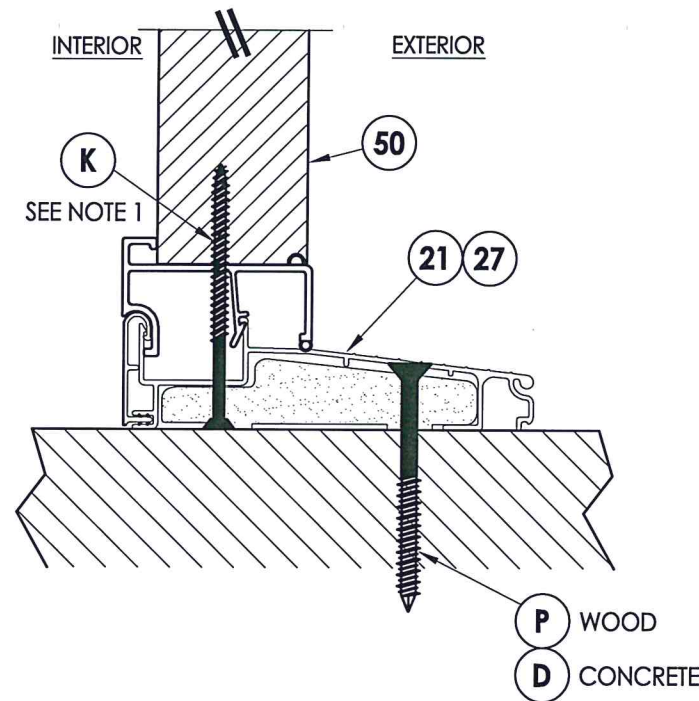


2 VERTICAL CROSS SECTION
5

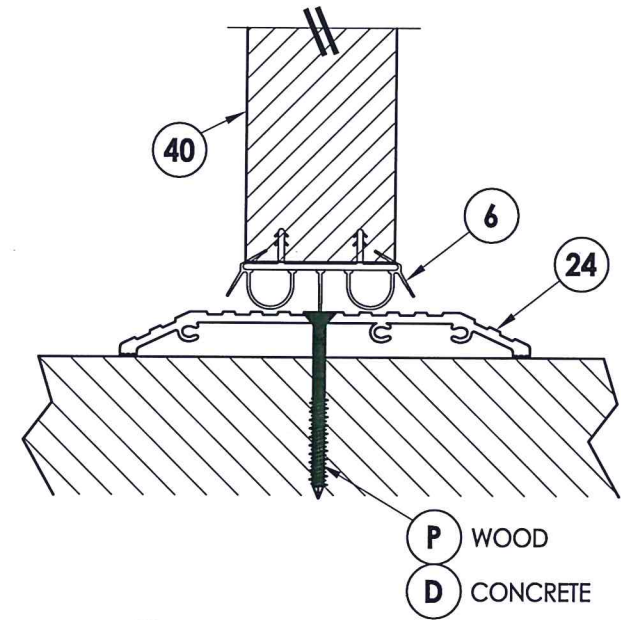
1. NOTE:
Spacing for items J & K @ head & sill: 6" from each end.



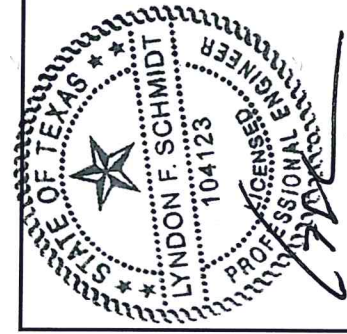
3 VERTICAL CROSS SECTION
5 Inswing sill



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

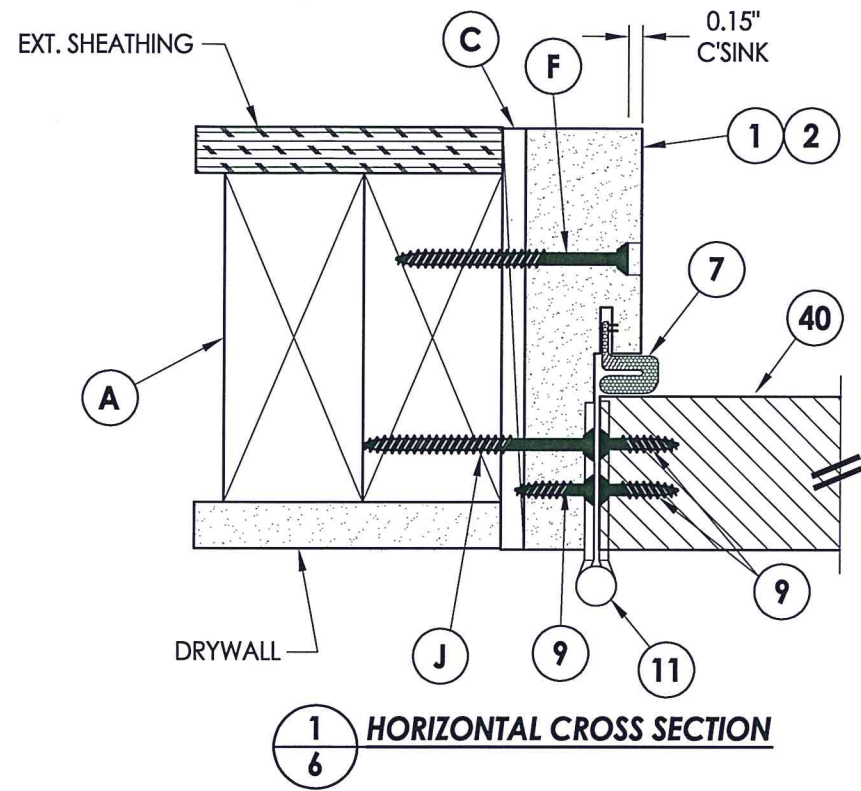
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO
FIBERGLASS DOOR

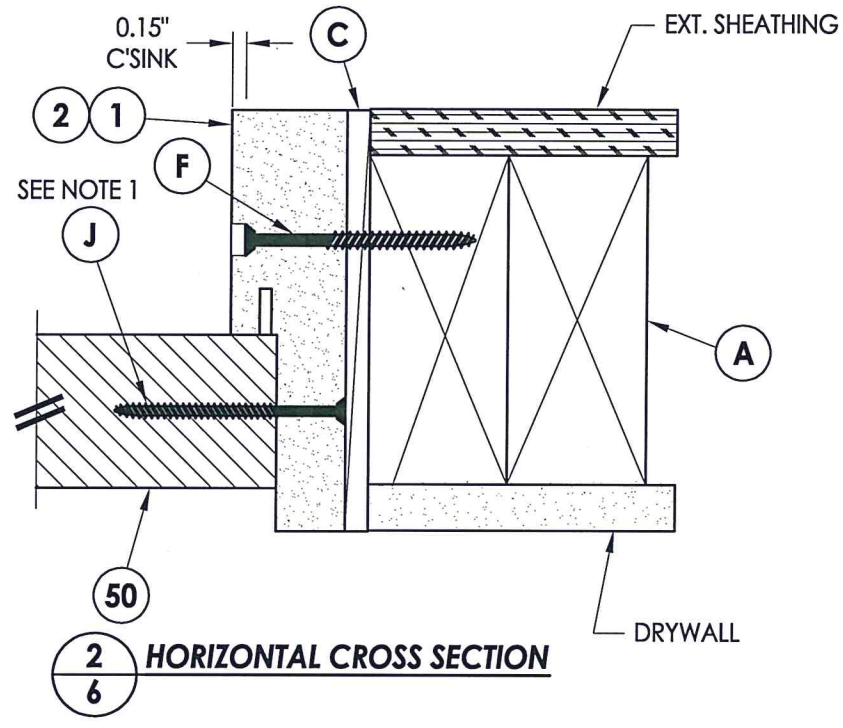
PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS

NO.	DATE	REVISIONS	BY
1	5/21/20	UPDATE TO 2018 IBC/IRC CODE	LFS

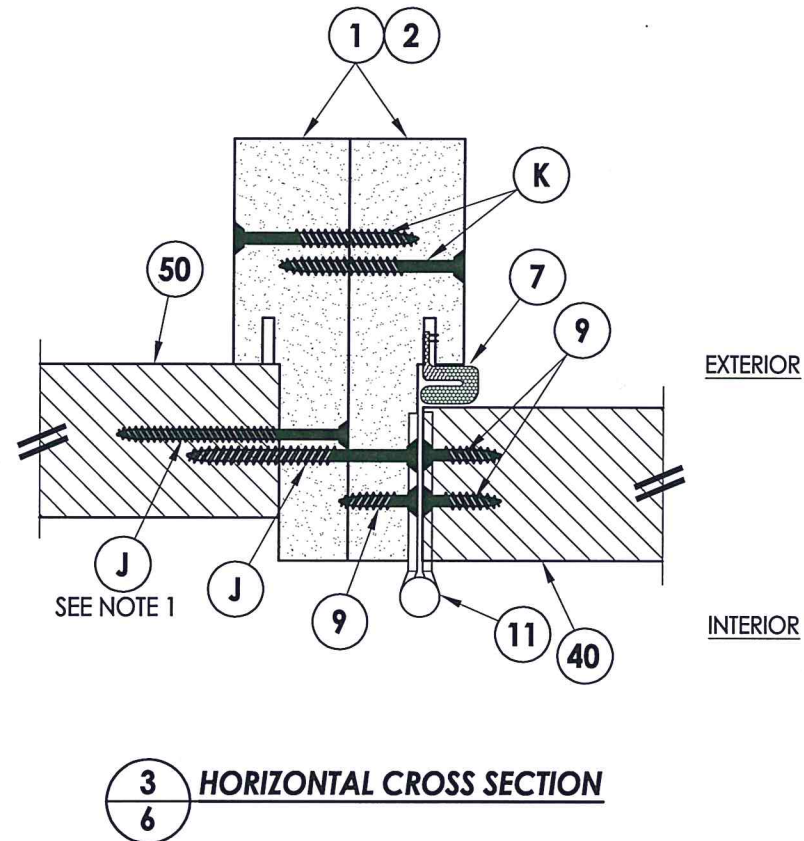
DATE: 1/13/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4595
SHEET 5 OF 8



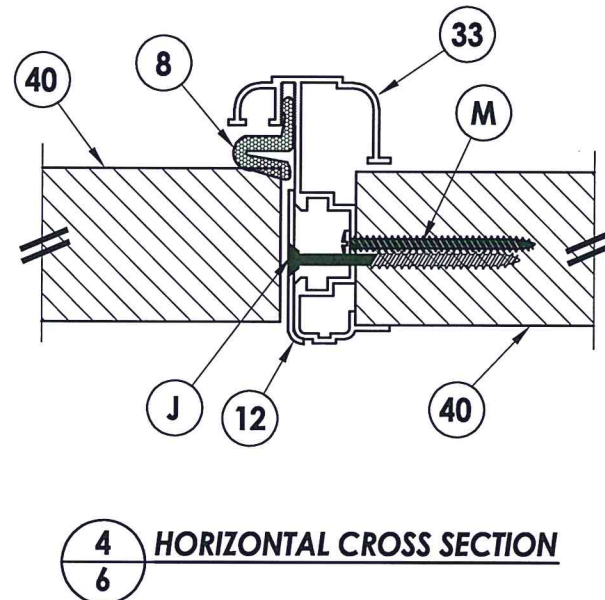
1
6 HORIZONTAL CROSS SECTION



2
6 HORIZONTAL CROSS SECTION

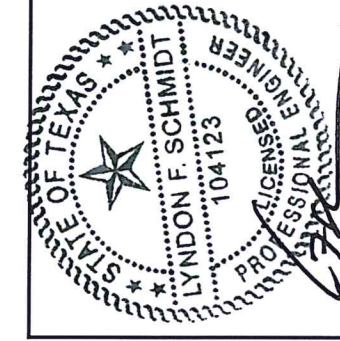


3
6 HORIZONTAL CROSS SECTION



4
6 HORIZONTAL CROSS SECTION

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



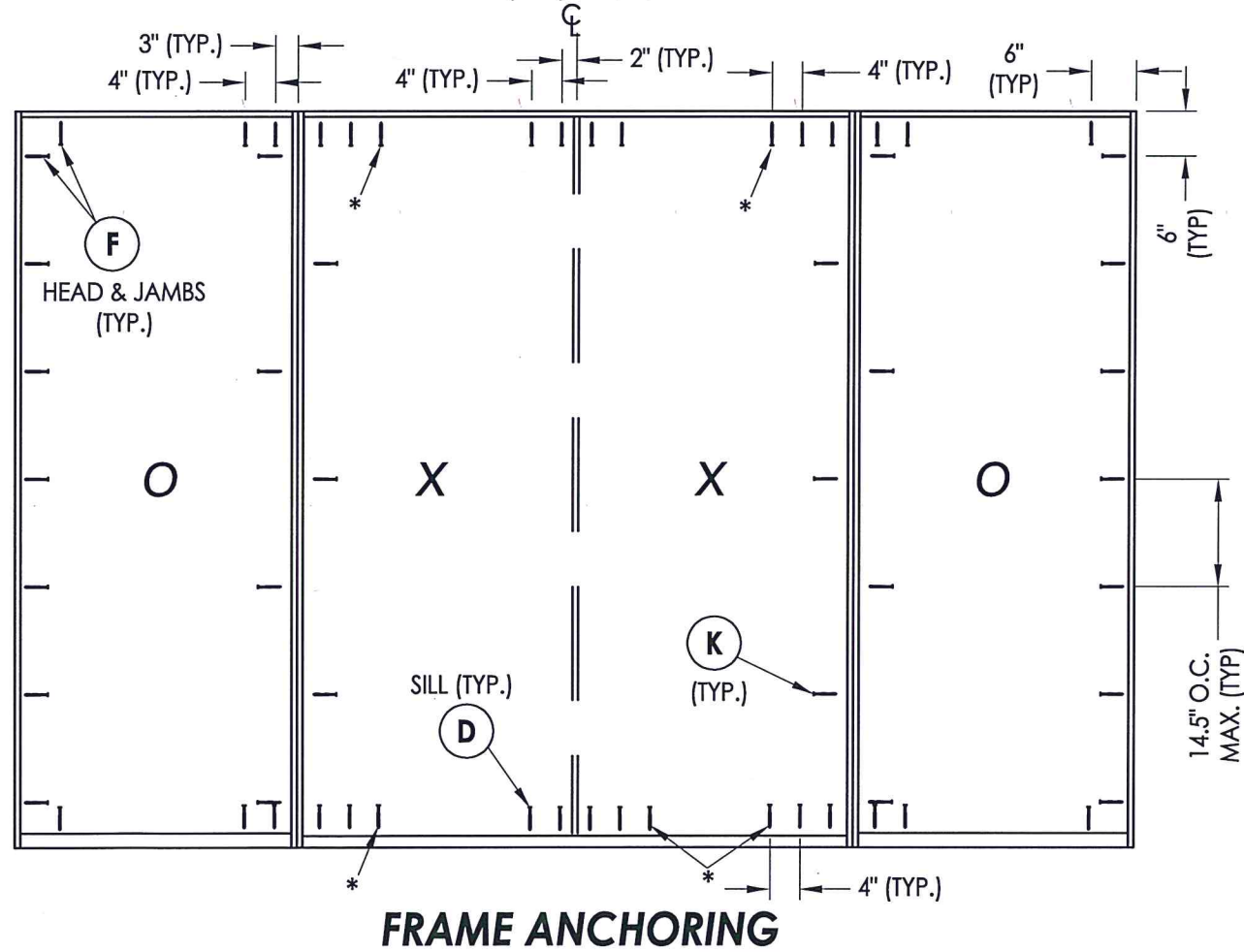
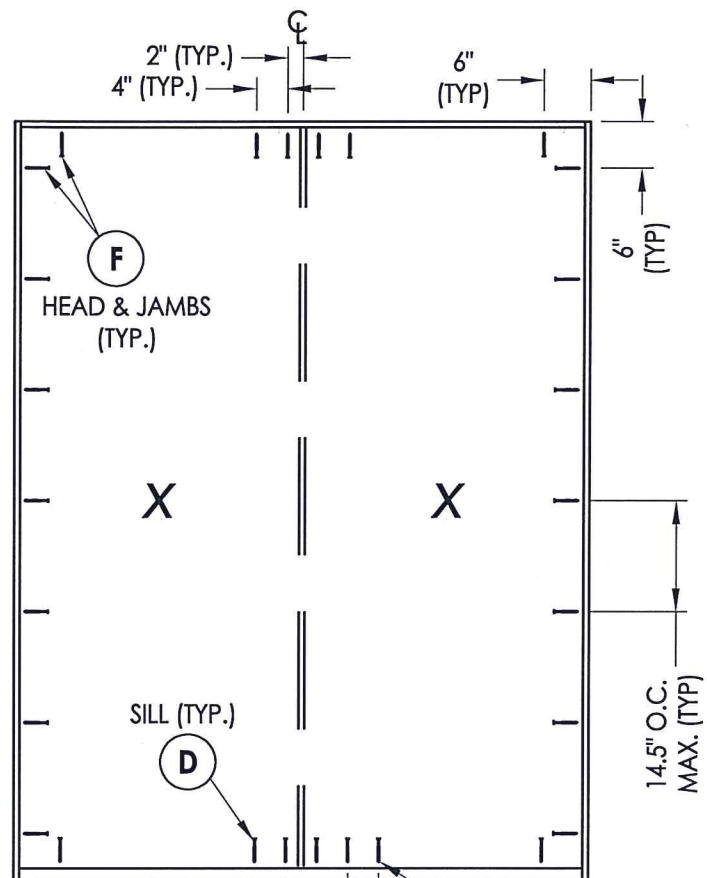
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

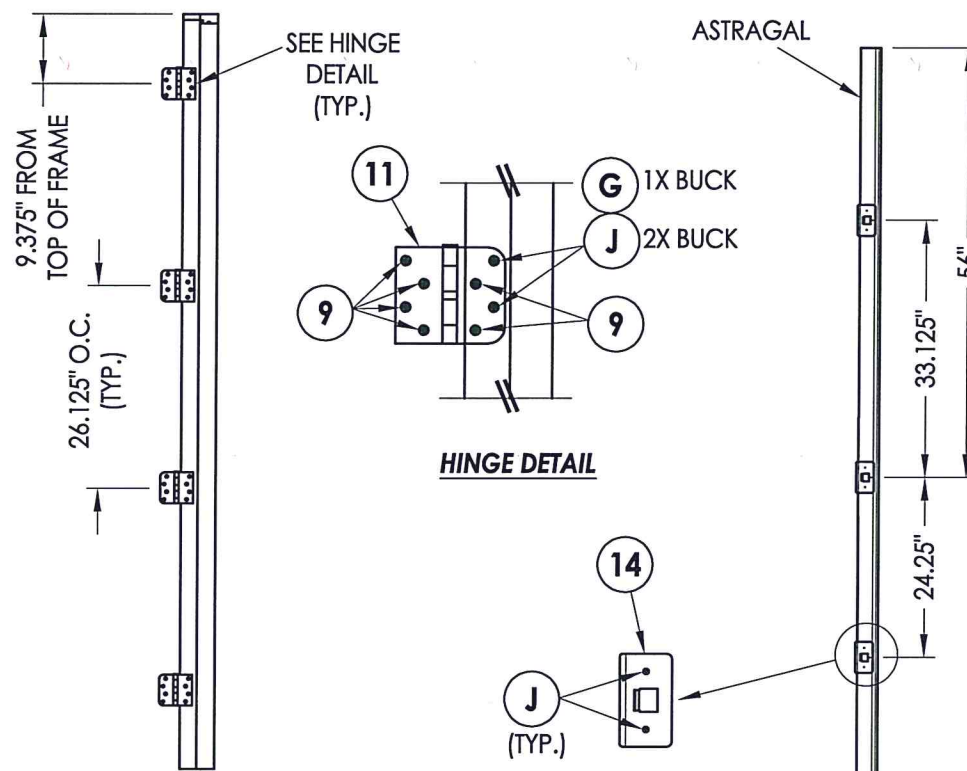
PRODUCT: PLASTPRO FIBERGLASS DOOR	
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
NO.	DATE
1	5/21/20
UPDATE TO 2018 IBC/IRC CODE	
LFS	BY
REVISIONS	
DATE: 1/13/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: TX-4595	
SHEET 6 OF 8	

R:\Clients\Plastpro, Inc PERMANENT\B - TD\TDI - DR 787 Flush Glazed Non-Impact\C - Drawings\TX-4594.4595.dwg, 7.

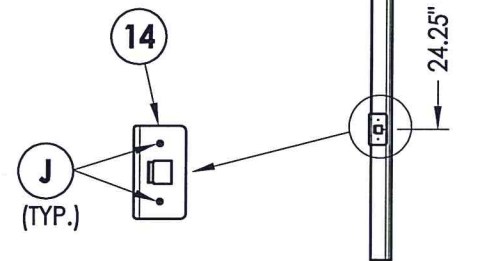
* Additional anchor @ sill req'd for DP > 40 psf.



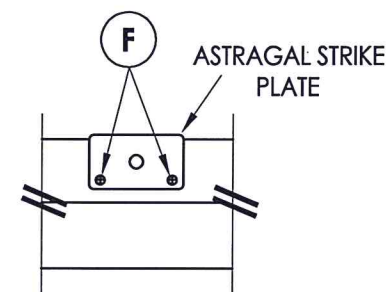
FRAME ANCHORING



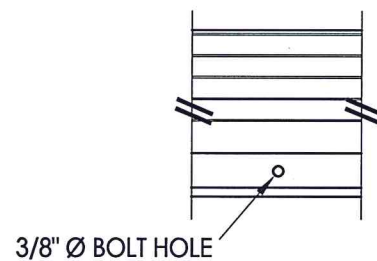
HINGE JAMB



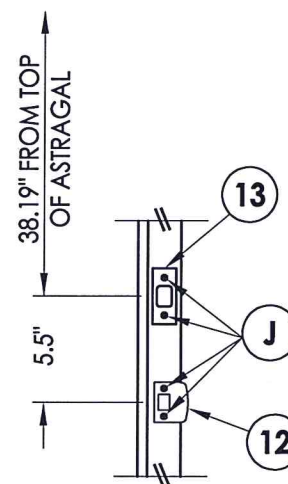
MULTI-POINT LOCK STRIKE PLATE DETAIL



ASTRAGAL BOLT DETAIL
Strike Plate @ Head



ASTRAGAL BOLT DETAIL
Inswing Threshold



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

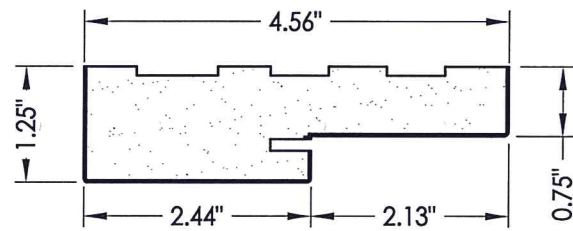
PRODUCT:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	FRAME ANCHORING & HARDWARE DETAILS

NO.	DATE	REVISIONS
1	5/21/20	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY

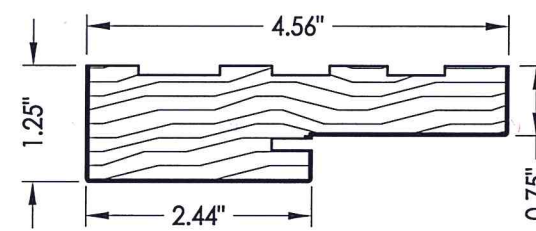
DATE:	1/13/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4595
SHEET	7 OF 8

BILL OF MATERIALS

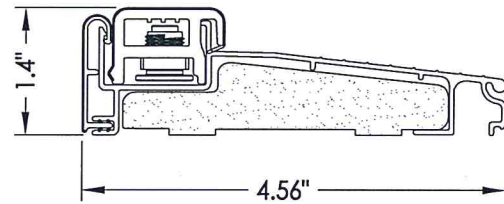
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
G	3/16" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW	STEEL
M	#10 X 2" PH SMS	STEEL
1	POLY FIBER JAMB	COMP.
2	WOOD JAMB	WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP (ENDURA FORCE 5)	FOAM
8	WEATHERSTRIP (Q-LON)	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
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
33	ASTRAGAL (DLP OR ENDURA)	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-



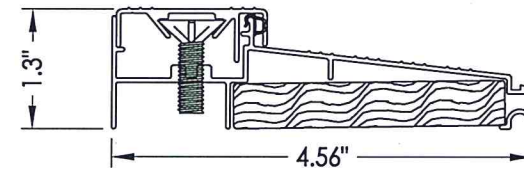
1 POLY FIBER JAMB



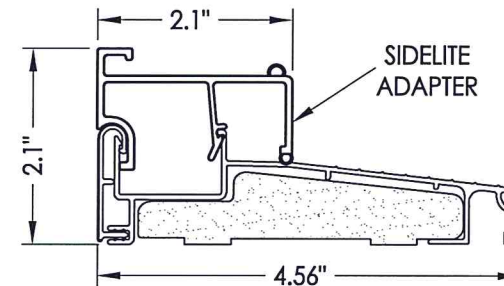
2 WOOD JAMB



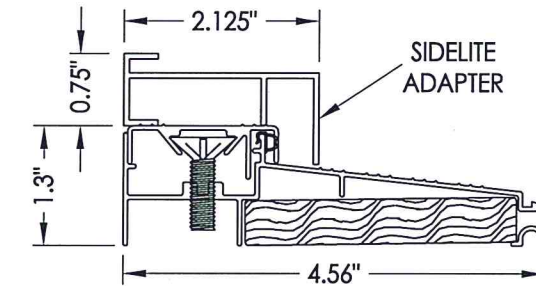
20 INSWING THRESHOLD
Endura (Z-Series)



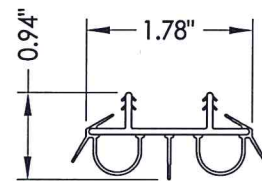
26 INSWING THRESHOLD
DLP (ISCS)



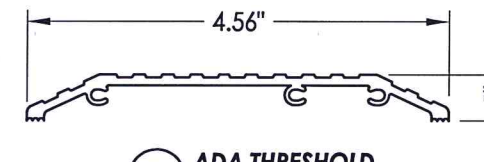
21 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



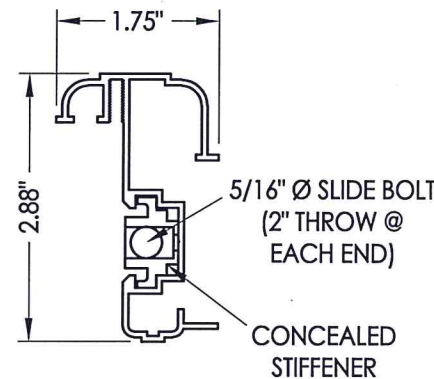
27 INSWING THRESHOLD w/ SIDELITE ADAPTER
DLP (ISCS)



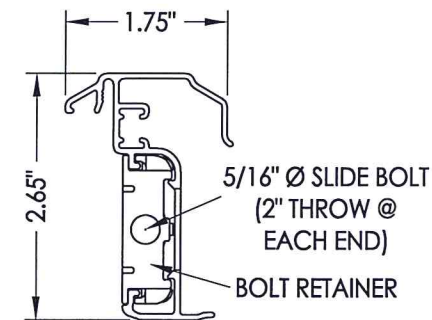
6 SWEEP



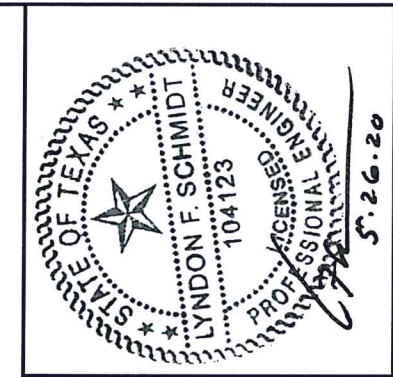
24 ADA THRESHOLD
DLP



33 DLP ASTRAGAL
(Latch & Deadbolt)



33 ENDURA ASTRAGAL
Ultimate Hurricane (Latch & Deadbolt)
Ultimate Trilennium (Multi-Pt. lock)



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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
1	5/21/20	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-4595
SHEET 8 OF 8

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.