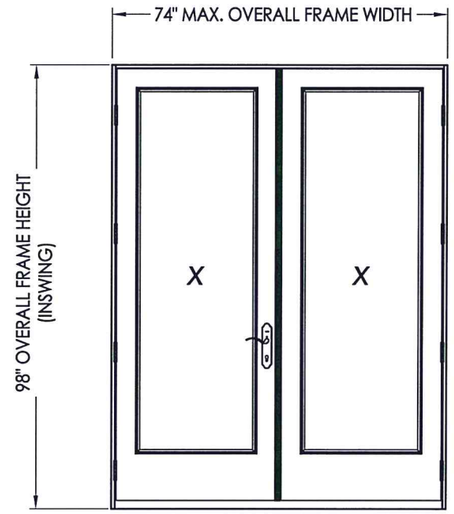
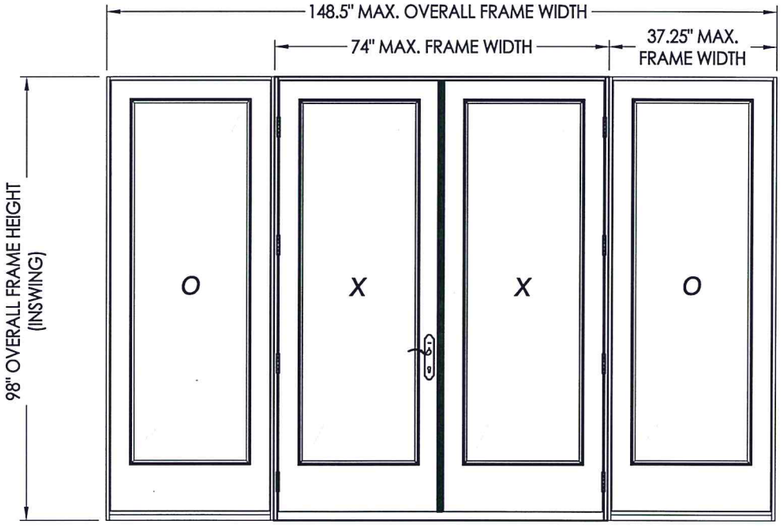
plastpro
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

FLUSH GLAZED FIBERGLASS DOORS
DOUBLES
w/ or w/out SIDELITES

INSWING
"NON-IMPACT"





EVALUATED FOR USE IN THE STATE OF TEXAS

The Fiberglass Door described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) 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

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
2.2.16

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

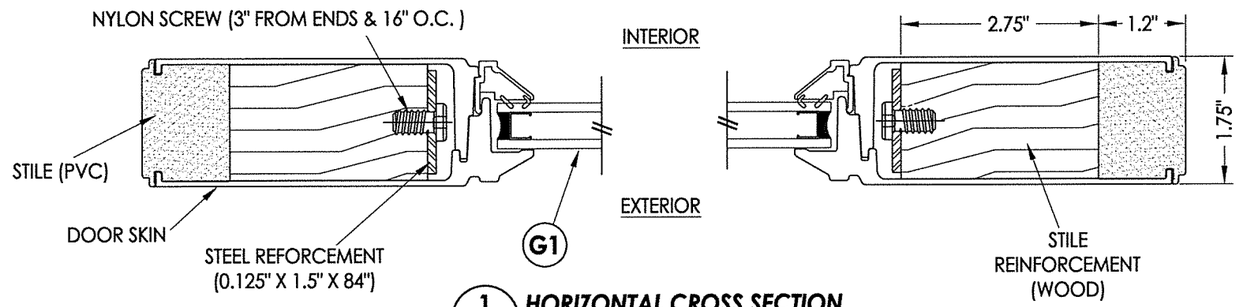
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

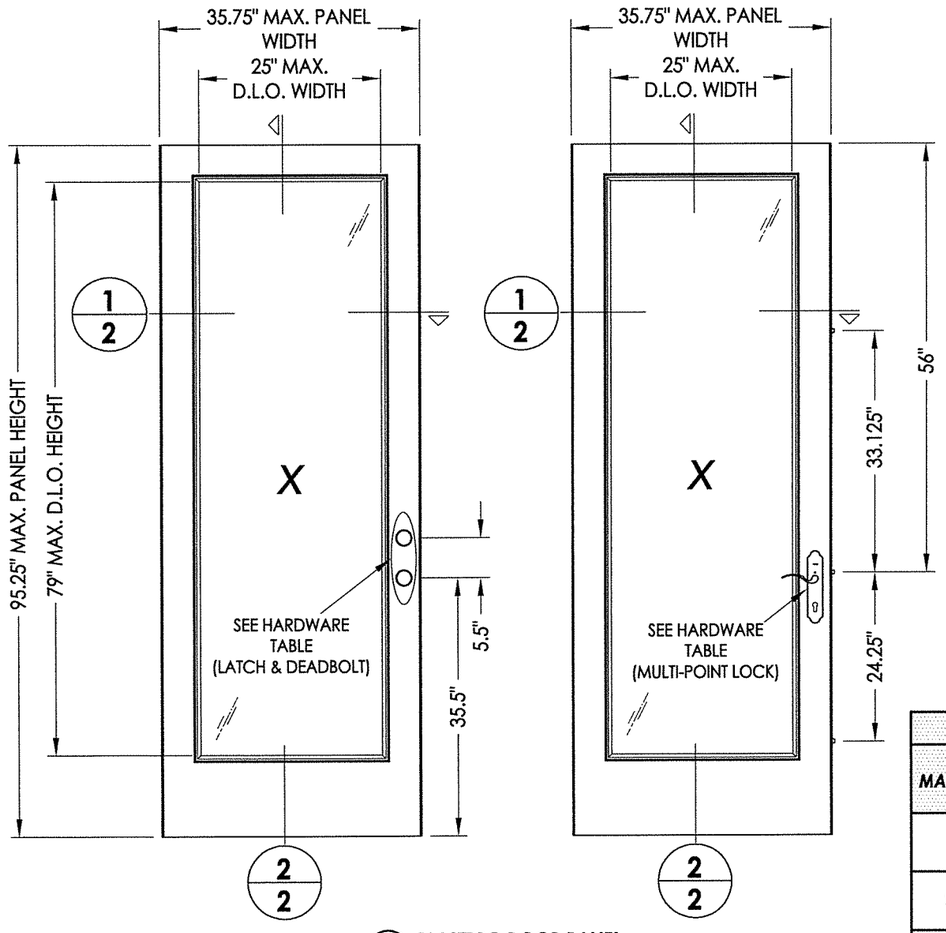
NO.	DATE	BY

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\TDI - XXX - Flush Glazed Non-Impact\Drawings\TX-4594.4595.dwg, TX-4595

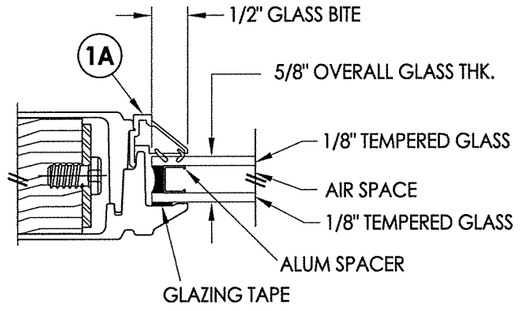


1/2 HORIZONTAL CROSS SECTION

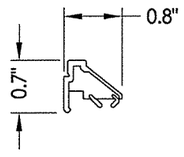


40 PLASTPRO DOOR PANEL
FLUSH GLAZED

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

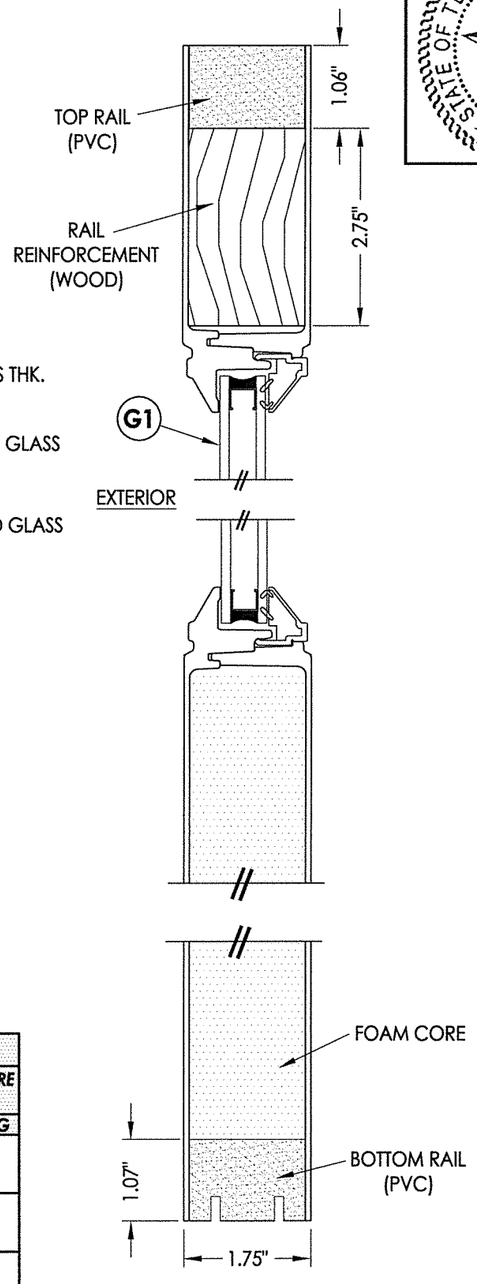


G1 GLAZING DETAIL
FLUSH GLAZED



1A GLAZING BEAD
PVC

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



2/2 VERTICAL CROSS SECTION

STATE OF TEXAS
LYNDON F. SCHMIDT
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LICENSED PROFESSIONAL ENGINEER
2-2-16

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

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	BY	REVISIONS

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

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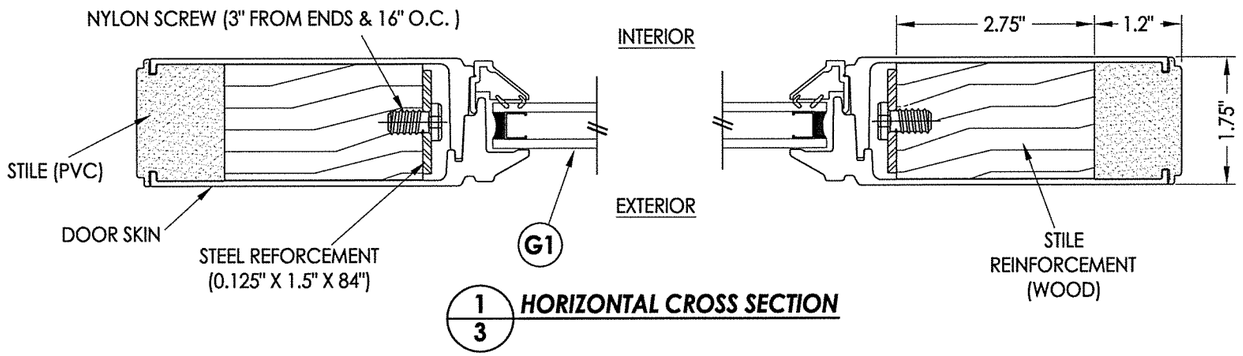
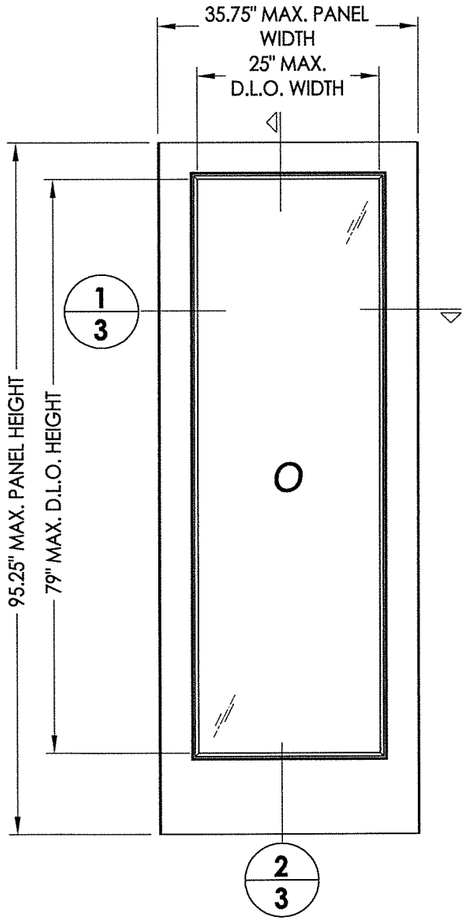
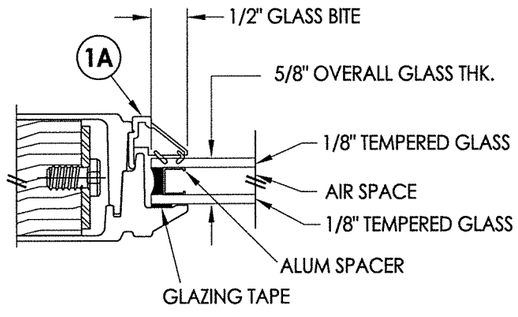


1/3 HORIZONTAL CROSS SECTION

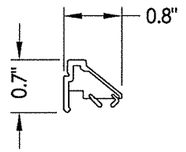


50 PLASTPRO SIDELITE PANEL
FLUSH GLAZED

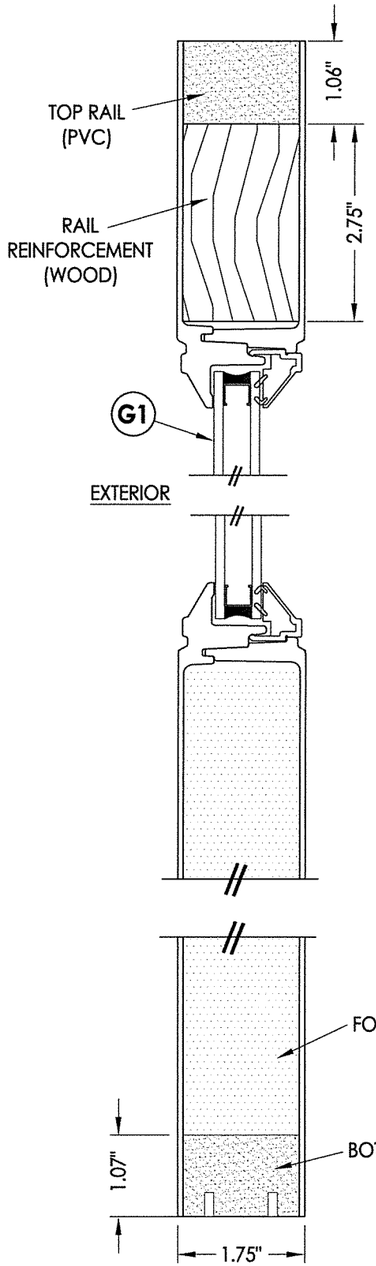
DOOR SKIN: FIBERGLASS (0.086" MIN. THK.)
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)



G1 GLAZING DETAIL
FLUSH GLAZED



1A GLAZING BEAD
PVC



2/3 VERTICAL CROSS SECTION

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
2.16

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

PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: SIDELITE PANEL DETAILS

NO.	DATE	BY
REVISIONS		

DATE: 1/13/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4595
SHEET 3 OF 8

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ELEVATION
XX

ELEVATION
OXXO

STATE OF TEXAS
LYNDON F. SCHMIDT
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: *PLASTPRO FIBERGLASS DOOR*

PART OR ASSEMBLY: *ELEVATIONS*

NO.	DATE	BY
REVISIONS		

DATE: 1/13/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4595
SHEET 4 OF 8

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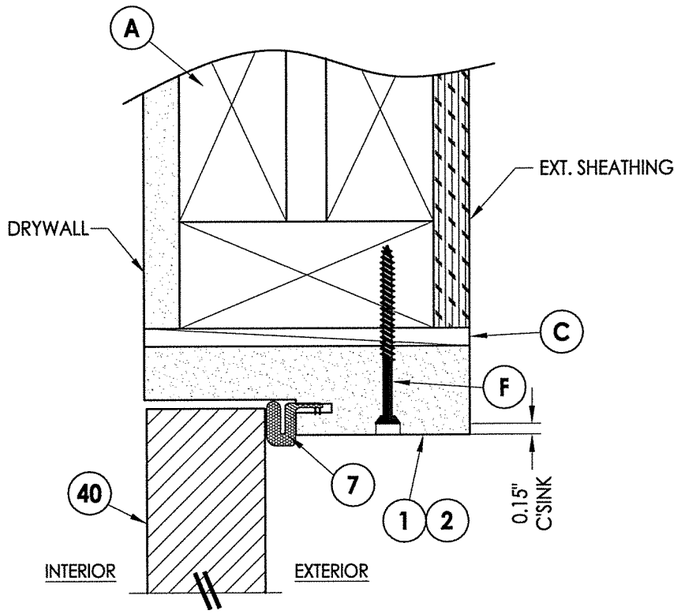
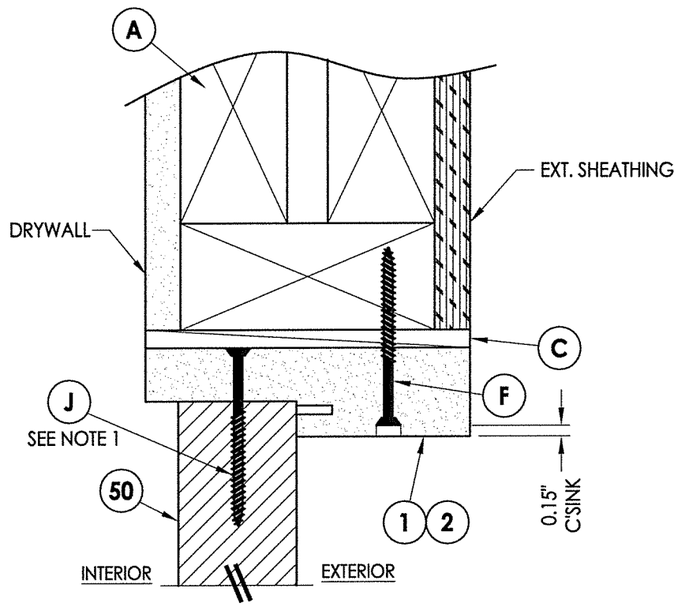
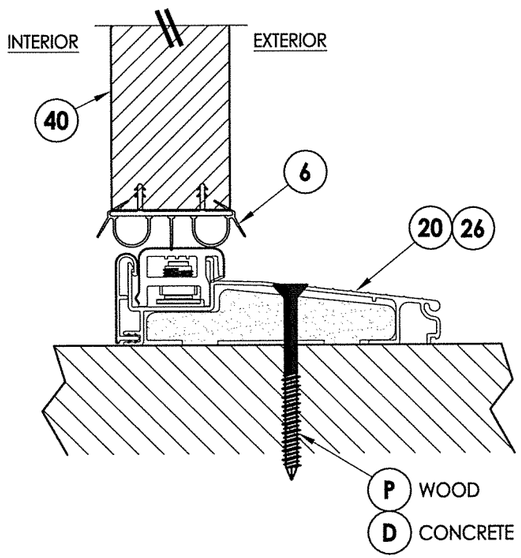


1/5 **VERTICAL CROSS SECTION**

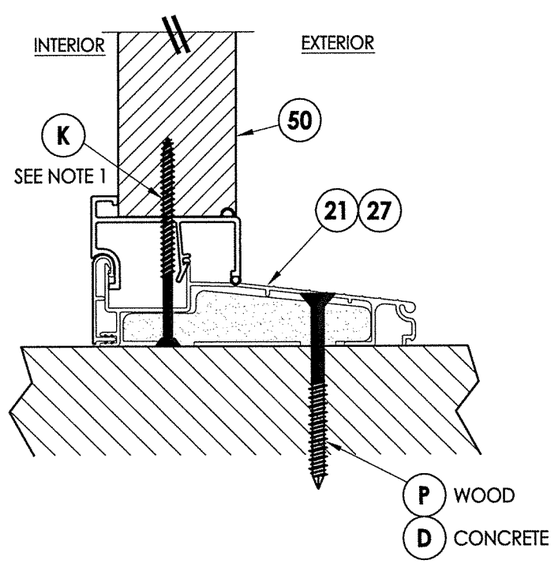


2/5 **VERTICAL CROSS SECTION**

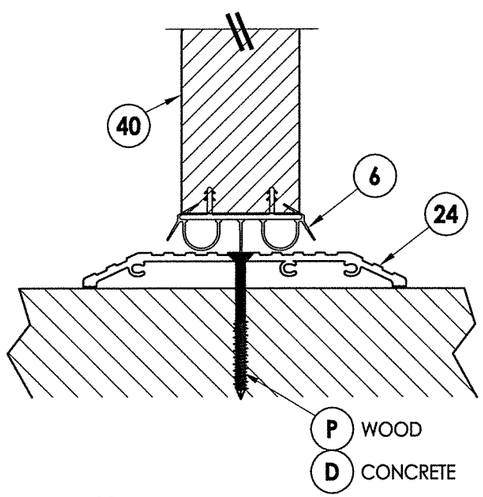
1. NOTE:
   Spacing for items J & K @ head & sill: 6" from each end.



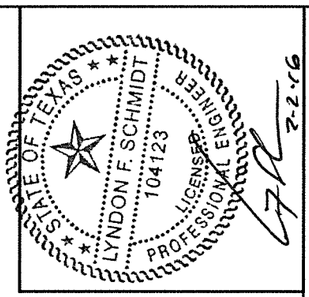
3/5 **VERTICAL CROSS SECTION**
Inswing sill



4/5 **VERTICAL CROSS SECTION**
Inswing sill



5/5 **VERTICAL CROSS SECTION**
ADA Sill



2-2-16

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P.O. Box 230 Valrico FL. 33595
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: *PLASTPRO FIBERGLASS DOOR*

PART OR ASSEMBLY: *VERTICAL CROSS SECTIONS*

NO.	DATE	REVISIONS	BY

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

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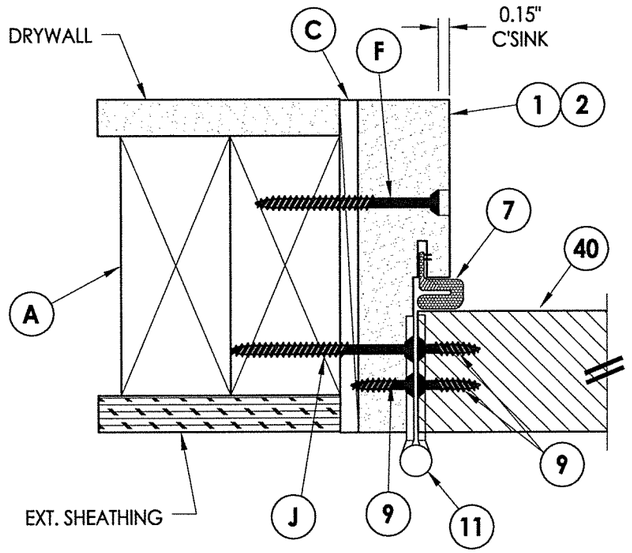
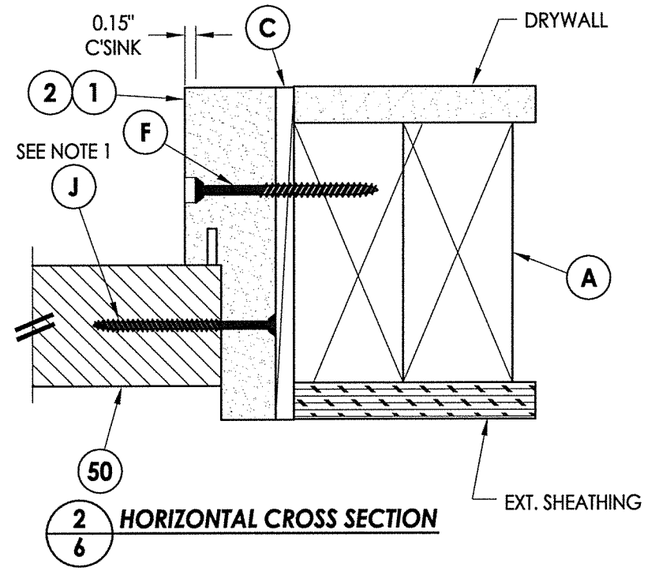
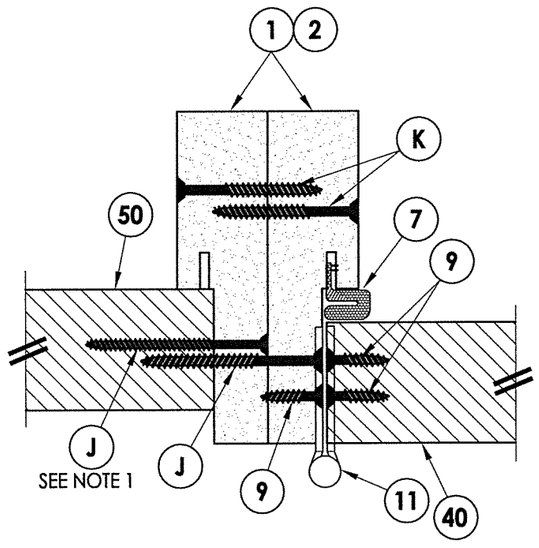


1/6 **HORIZONTAL CROSS SECTION**

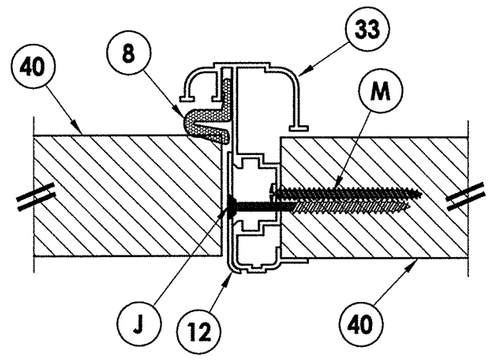


2/6 **HORIZONTAL CROSS SECTION**

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



3/6 **HORIZONTAL CROSS SECTION**



4/6 **HORIZONTAL CROSS SECTION**

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
2.2.16

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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: HORIZONTAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 1/13/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4595
SHEET 6 OF 8

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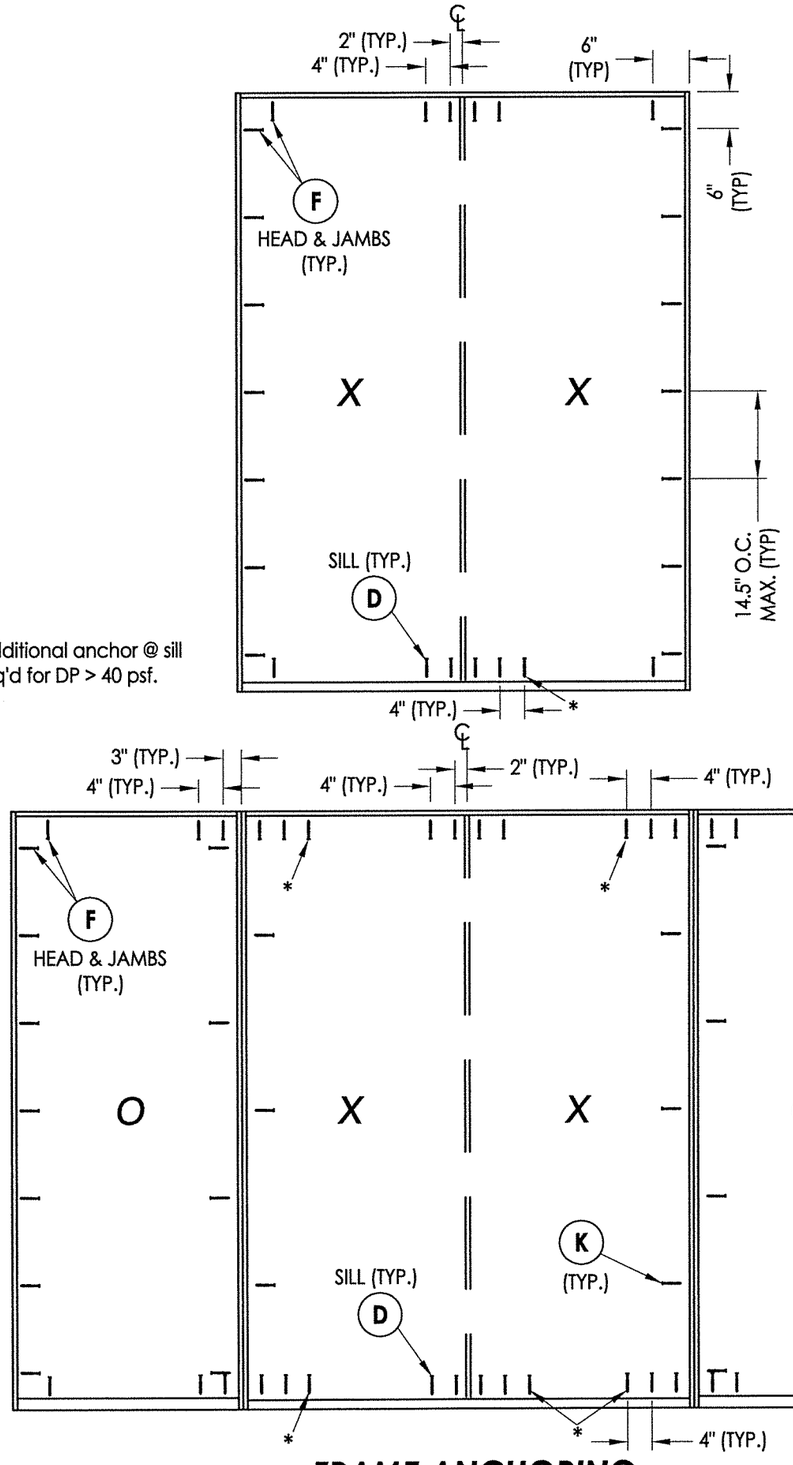
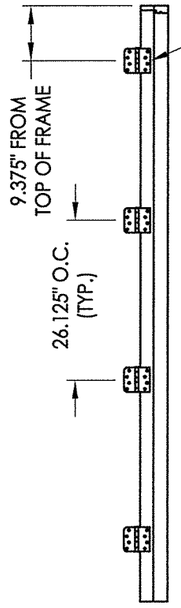
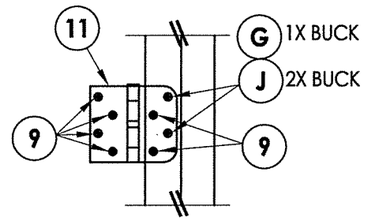


*Additional anchor @ sill req'd for DP > 40 psf.

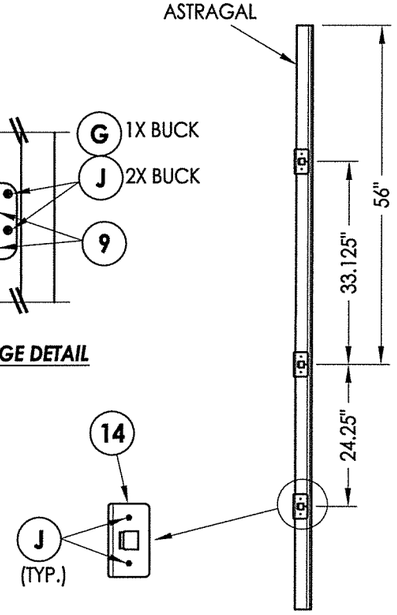
FRAME ANCHORING



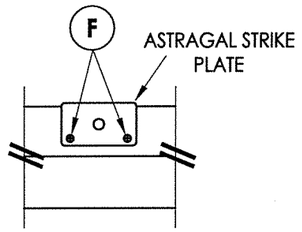
HINGE JAMB



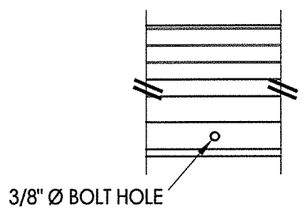
HINGE DETAIL



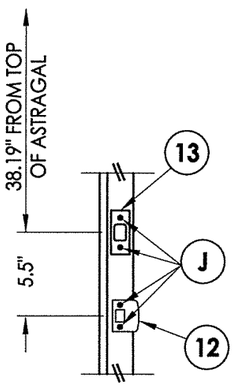
MULTI-POINT LOCK STRIKE PLATE DETAIL



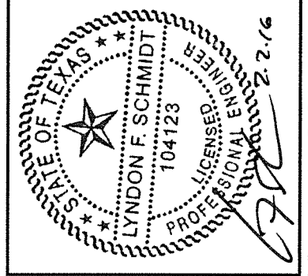
ASTRAGAL BOLT DETAIL
Strike Plate @ Head



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	BY
REVISIONS		

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

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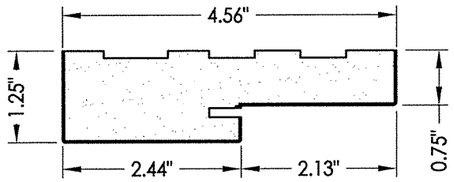
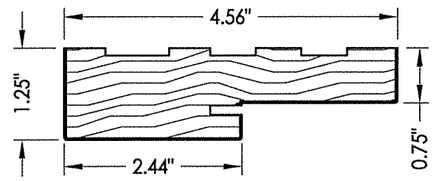
BILL OF MATERIALS

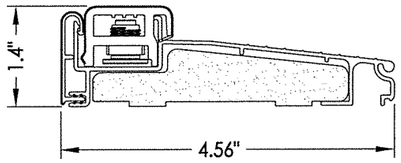
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
G	3/16" PFH CONCRETE SCREW (1-1/4" MIN. EMB.)	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW	STEEL
K	#10 X 3" PFH WOOD SCREW	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	-



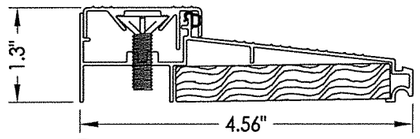
1 POLY FIBER JAMB



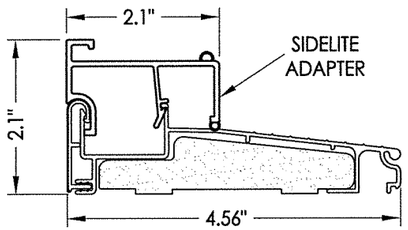
2 WOOD JAMB



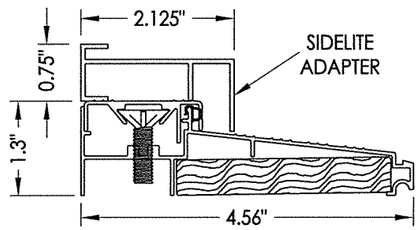
20 INSWING THRESHOLD
Endura (Z-Series)



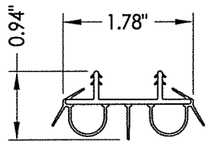
26 INSWING THRESHOLD
DLP (ISCS)



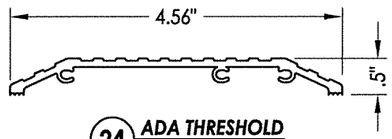
21 INSWING THRESHOLD w/ SIDELITE ADAPTER
Endura (Z-Series)



27 INSWING THRESHOLD w/ SIDELITE ADAPTER
DLP (ISCS)



6 SWEEP



24 ADA THRESHOLD
DLP

CONCRETE ANCHOR NOTES:

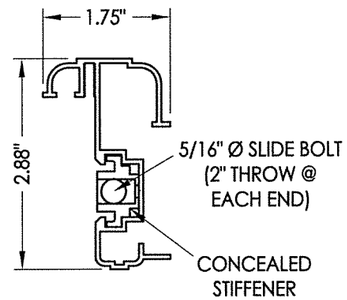
1. *Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.*
2. *Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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 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"

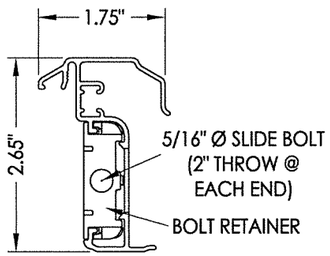
4. Concrete: 3,000 psi min. conforming to ACI 301.

WOOD SCREW INSTALLATION NOTES:

1. *Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.*



33 DLP ASTRAGAL
(Latch & Deadbolt)



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

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED
PROFESSIONAL ENGINEER
2.16

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: BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY	REVISIONS

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

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