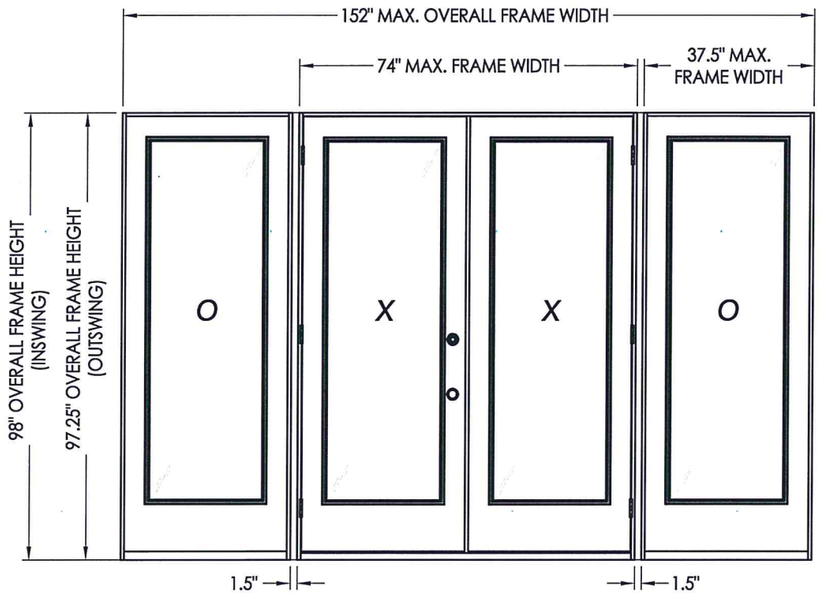
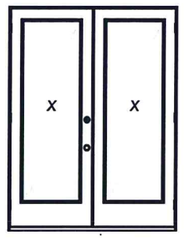
plastpro
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

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





XX

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 & Sidelite panel details
3	Elevations
4	Horizontal & Vertical Cross Sections
5	Vertical Cross Sections
6	Frame anchoring & Hardware details
7	Bill of materials & components

CONFIGURATION	MAX. FRAME DIMENSION	ASTRAGAL	JAMB REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
				POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 98.0"	DLP	N/A	+45.0	-50.0	+45.0	-45.0
OXXO	149.0" x 98.0"	DLP	N/A	+40.0	-40.0	+40.0	-40.0
	152.0" x 98.0"	DLP	2X	+45.0	-50.0	+45.0	-45.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
5.6.19

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

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

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

NO.	DATE	BY	REVISIONS

DATE: 4/29/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: TX-4925
SHEET 1 OF 7

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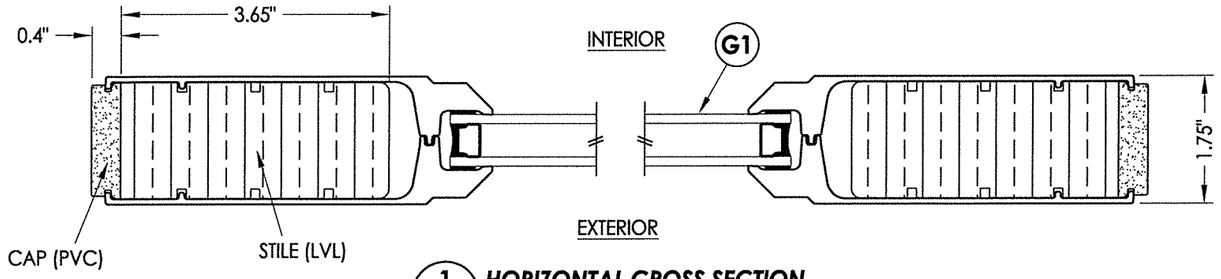
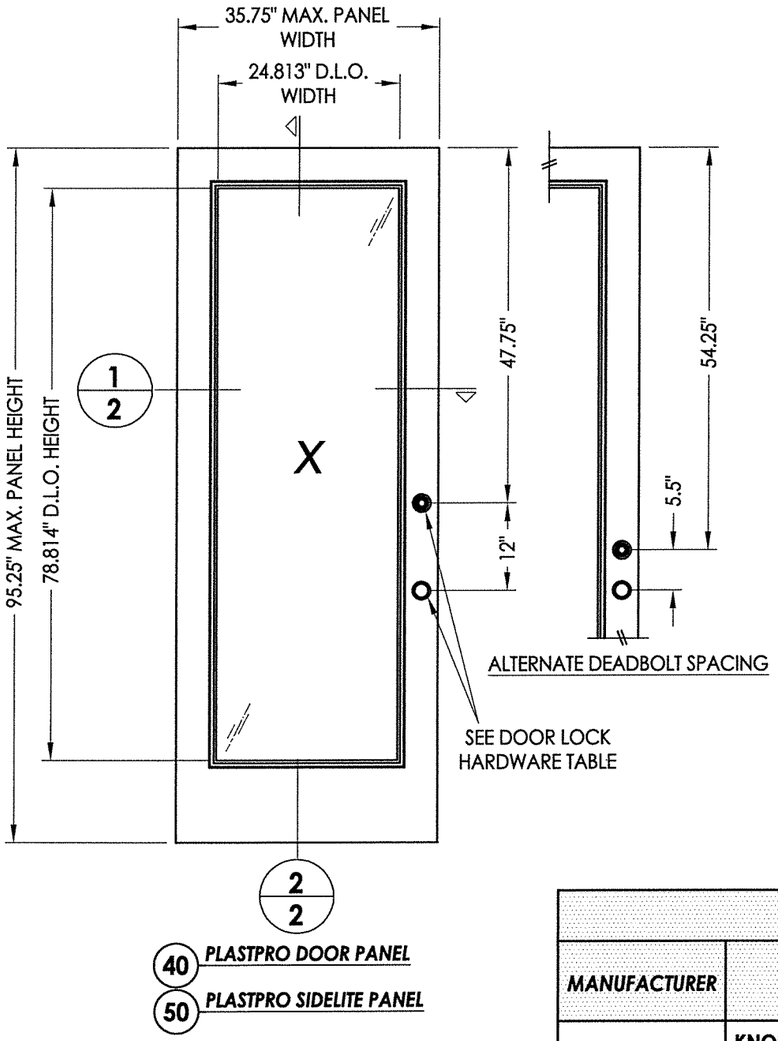
R:\Clients\Plastpro, Inc PERMANENT\B - TDI\TDI - DR-XXX Direct Glazed Non-Impact\C - Drawings\TX-4925.dwg, TX-4925

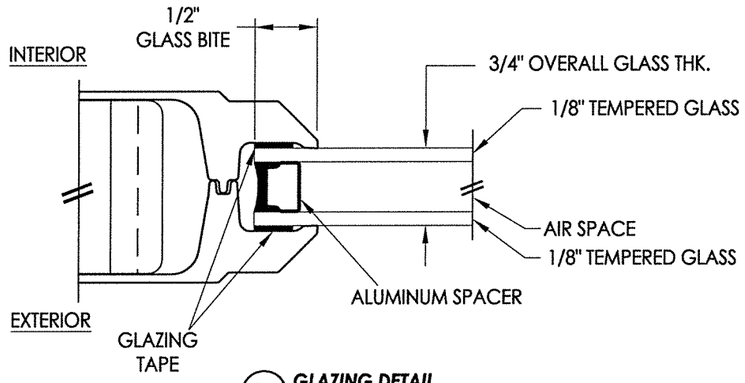


1/2 **HORIZONTAL CROSS SECTION**

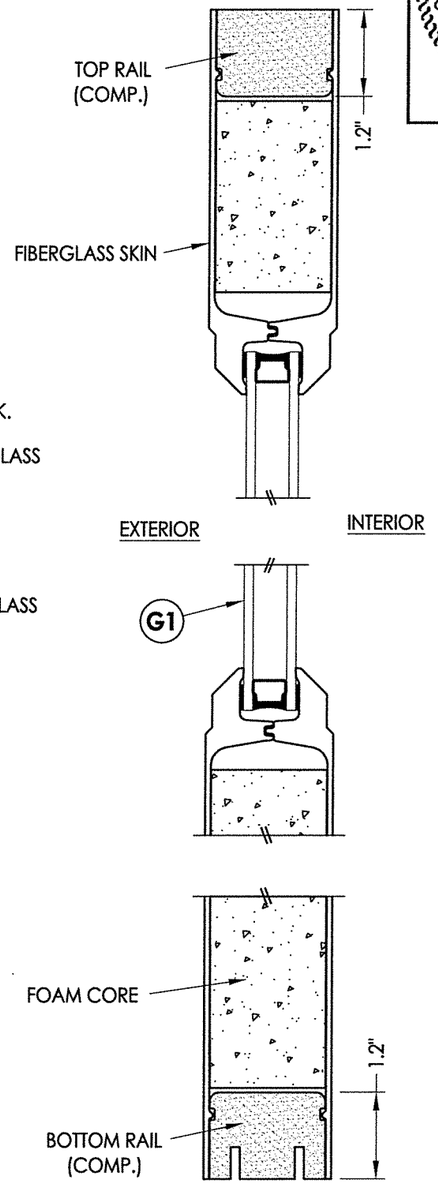


40 **PLASTPRO DOOR PANEL**

50 **PLASTPRO SIDELITE PANEL**



G1 **GLAZING DETAIL**



2/2 **VERTICAL CROSS SECTION**

HARDWARE TABLE				
MANUFACTURER	MODEL	DEADBOLT SPACING	MAX. DESIGN PRESSURE (PSF)	
			INSWING	OUTSWING
KWIKSET	KNOB: SIGNATURE SERIES	5.5"	+30/-40	+35/-35
	DEADBOLT: SIGNATURE SERIES (980)	12"	+45/-50	+45/-45

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: XPS FOAM (1.3 PCF MIN. DENSITY)

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

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR & SIDELITE PANEL DETAILS

NO.	DATE	BY	REVISIONS

DATE: 4/29/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: TX-4925
SHEET 2 OF 7

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ELEVATION
XX

ELEVATION
OXXO

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	BY	REVISIONS

DATE: 4/29/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: TX-4925
SHEET 3 OF 7

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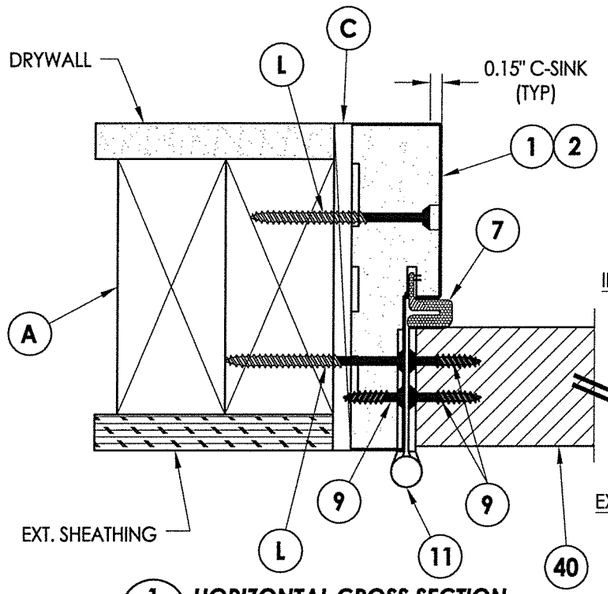
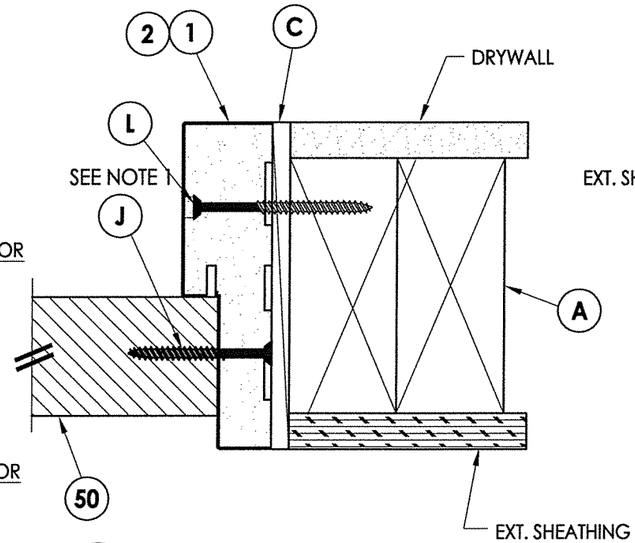
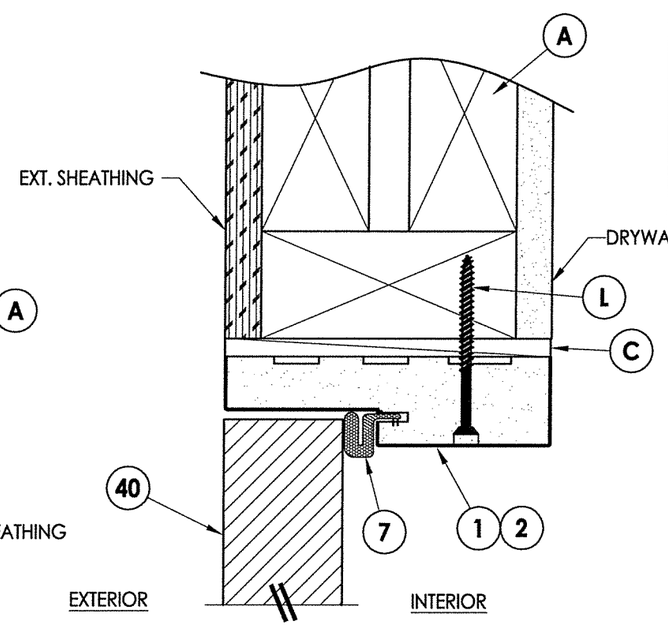
R:\Clients\Plastpro, Inc PERMANENT\B - TD\TDI - DR-XXX Direct Glazed Non-Impact\C - Drawings\TX-4925.dwg, 3.3



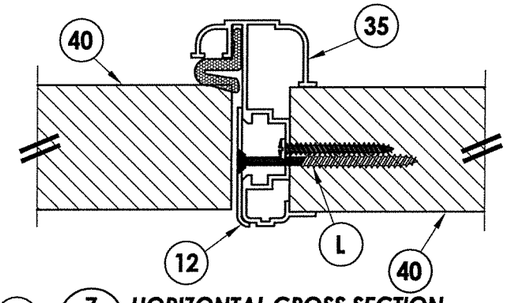
1/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



2/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

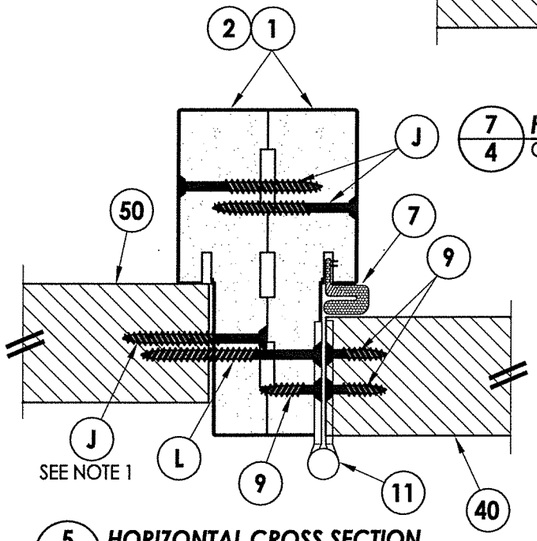


3/4 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)

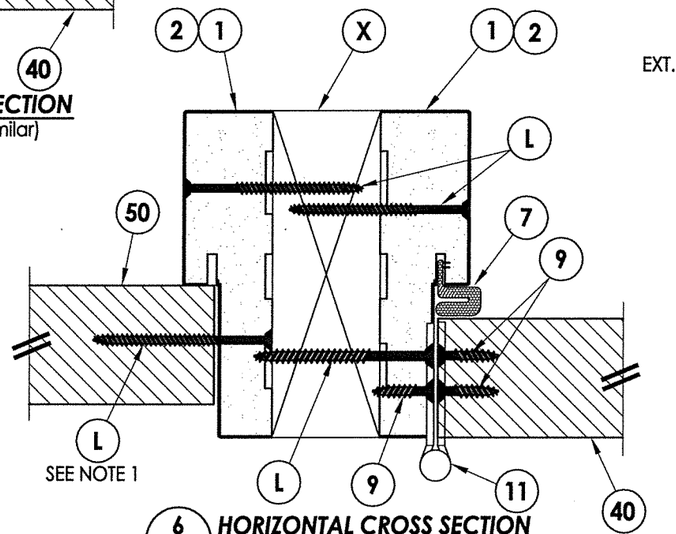


7/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

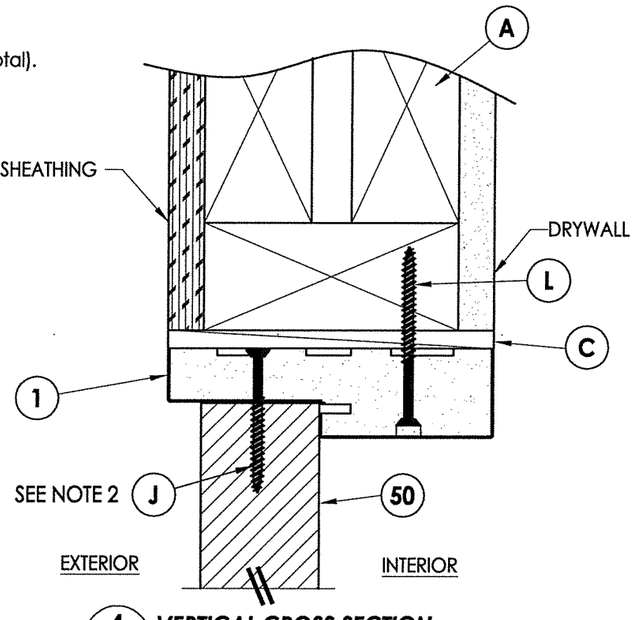
NOTES:
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



5/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)
Back-to-Back Jambs



6/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)
Shown w/ 2X Reinforcement



4/4 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)

S.G.19

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

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS

DATE: 4/29/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: TX-4925
SHEET 4 OF 7

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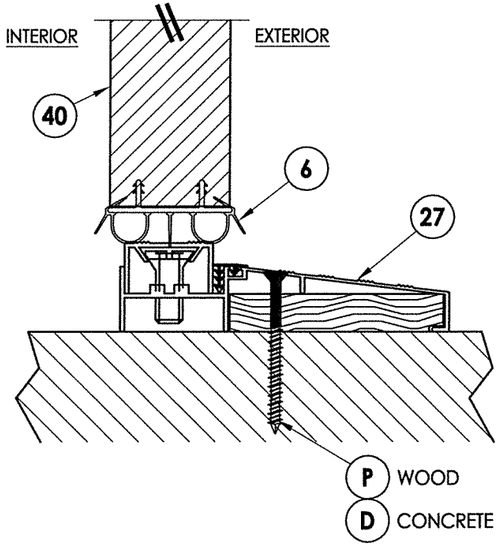
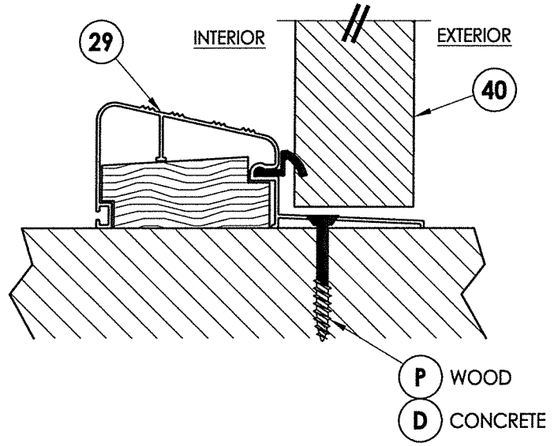
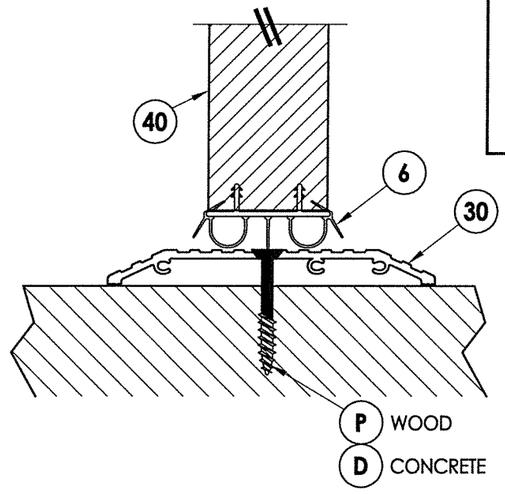


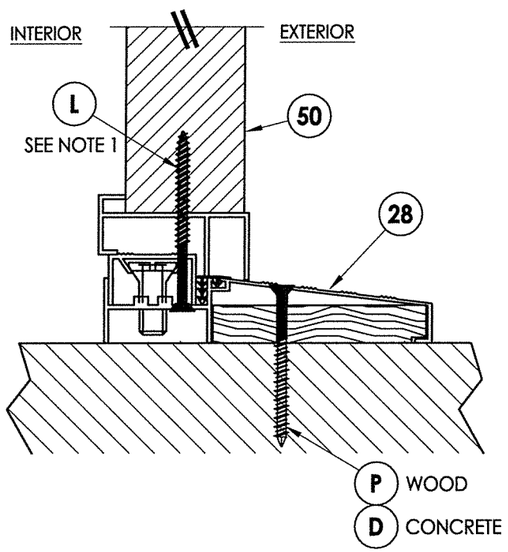
1/5 **VERTICAL CROSS SECTION**
Inswing sill



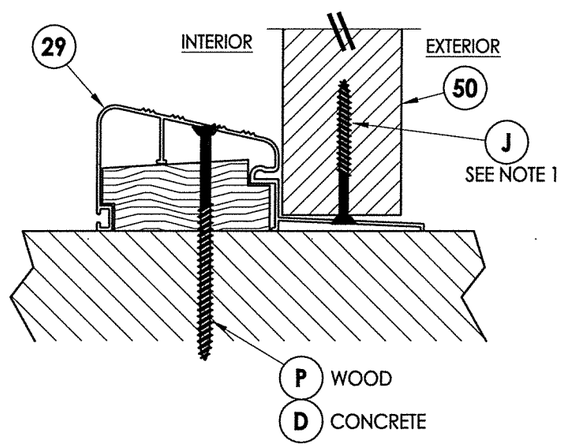
2/5 **VERTICAL CROSS SECTION**
Outswing sill



3/5 **VERTICAL CROSS SECTION**
ADA Sill



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



5/5 **VERTICAL CROSS SECTION**
Outswing sill

NOTE:
1. Spacing for item J & L @ head & sill: 6" from each end (2 total).

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

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY

DATE: 4/29/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: TX-4925
SHEET 5 OF 7

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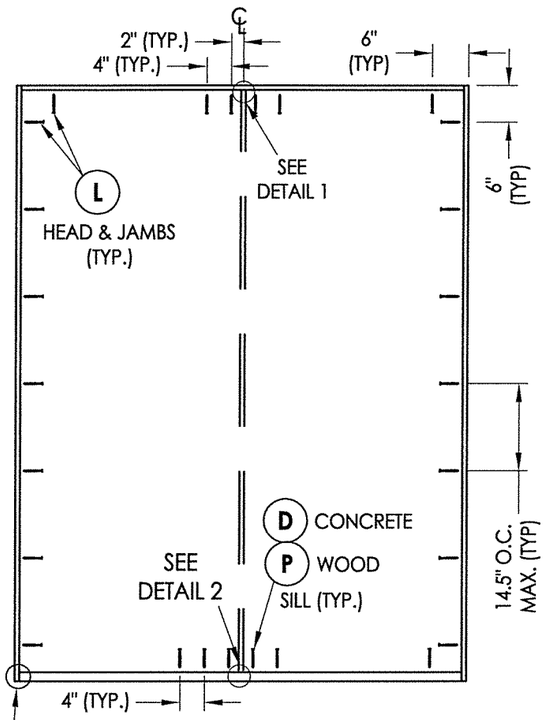
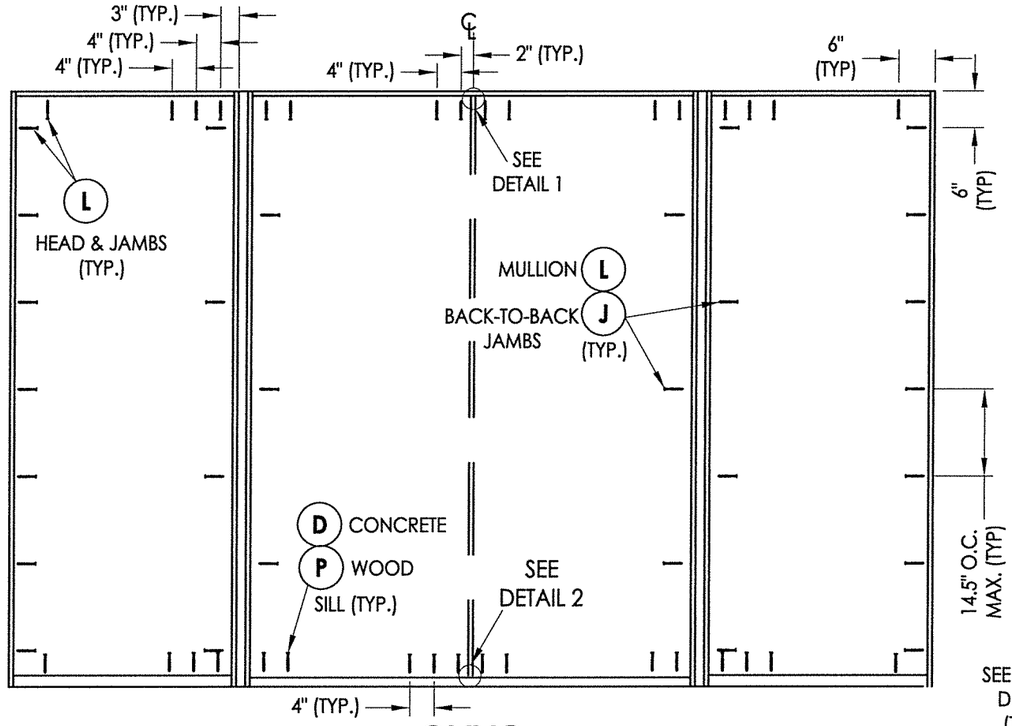


XX

NOTE: FRAME CORNERS ATTACHED w/ (3) #10 X 2-1/2" FH WOOD SCREWS (TYP.)



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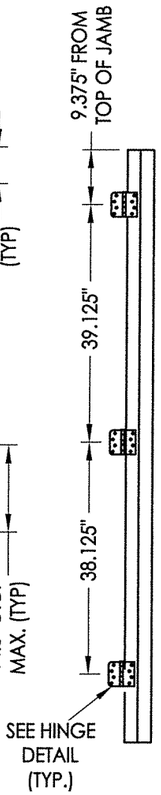
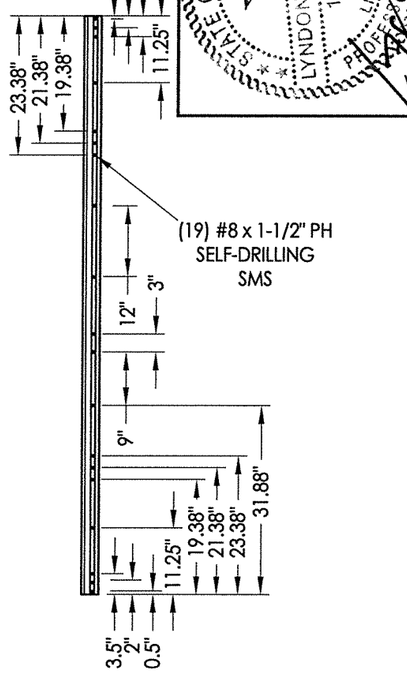
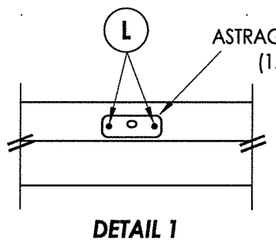


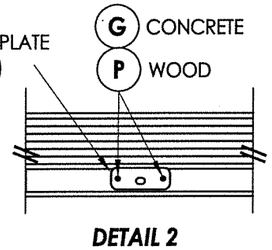


HINGE JAMB ASTRAGAL
DLP

FRAME ANCHORING

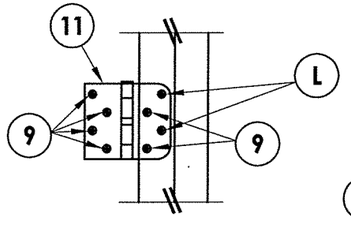


DETAIL 1
Astragal Strike Plate @ Head

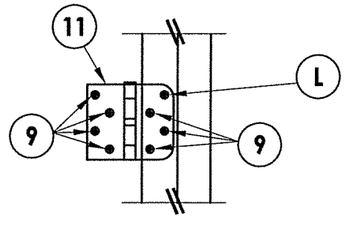


DETAIL 2
Astragal Strike Plate @ Sill
Inswing Threshold

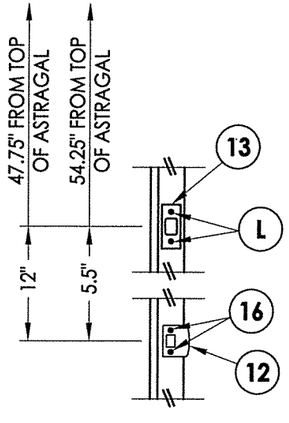
DETAIL 2
Astragal Bolt Hole @ Sill
Outswing Threshold



HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



LATCH & DEADBOLT DETAILS
Astragal

HARDWARE DETAILS

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

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER

5.6.19

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS

NO.	DATE	REVISIONS	BY

DATE: 4/29/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: TX-4925
SHEET 6 OF 7

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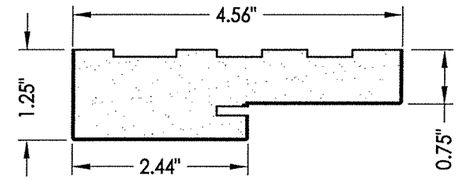
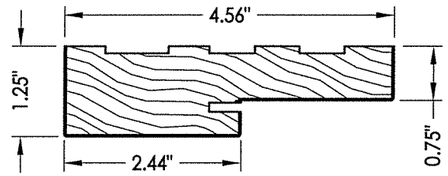
BILL OF MATERIALS

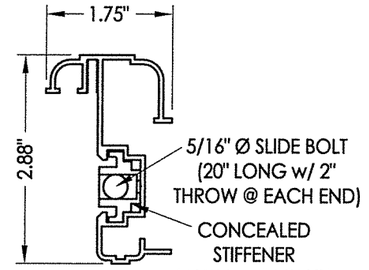
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" Ø PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
G	3/16" Ø PFH ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
J	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
P	#10 PFH WOOD SCREW (1-1/2" MIN. EMB.)	STEEL
1	POLY FIBER JAMB	COMP
2	FINGER JOINT PINE JAMB	WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP	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
16	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	INSWING THRESHOLD	ALUM/COMP
28	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
29	OUTSWING THRESHOLD	ALUM/COMP
30	ADA THRESHOLD	ALUM
35	ASTRAGAL (DLP)	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-



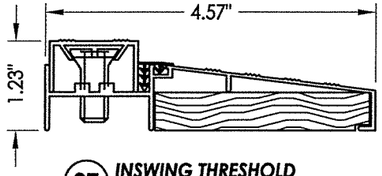
1 POLY FIBER JAMB
Plastpro PF Jamb



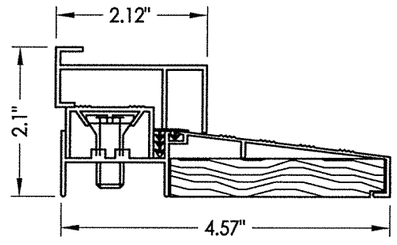
2 FINGER JOINT PINE JAMB



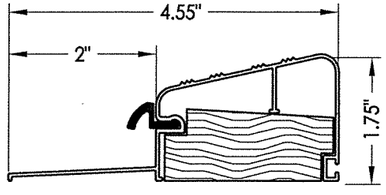
35 DLP ASTRAGAL



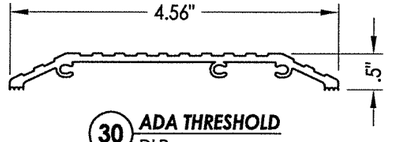
27 INSWING THRESHOLD
DLP



28 INSWING THRESHOLD w/ SIDELITE ADAPTER
DLP



29 OUTSWING THRESHOLD
DLP (QOSR)



30 ADA THRESHOLD
DLP

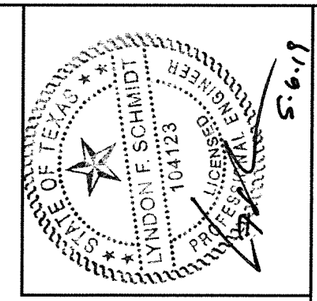
CONCRETE ANCHOR NOTES:

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

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.*



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TEXAS P.E. #104123

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TEXAS BOARD OF PROFESSIONAL ENGINEERS
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PRODUCT: *PLASTPRO INC. FIBERGLASS DOOR*

PART OR ASSEMBLY: *BILL OF MATERIALS & COMPONENTS*

NO.	DATE	REVISIONS	BY

DATE: 4/29/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: TX-4925
SHEET 7 OF 7

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