

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

OPAQUE FIBERGLASS DOUBLE DOOR w/ or w/o SIDELITES INSWING / OUTSWING "NON- IMPACT"

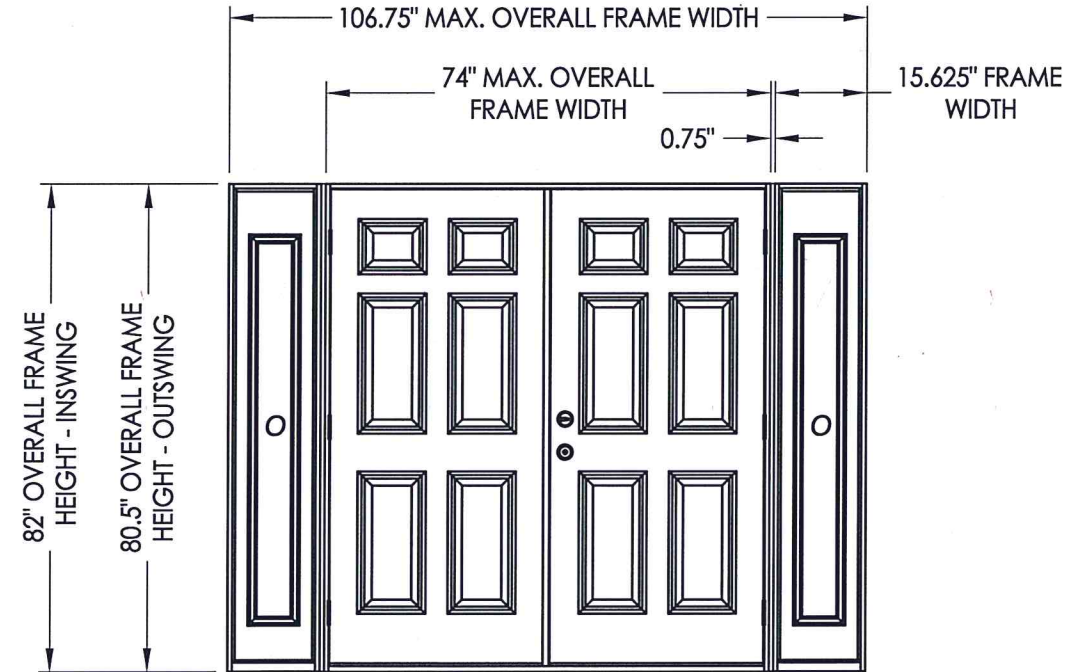
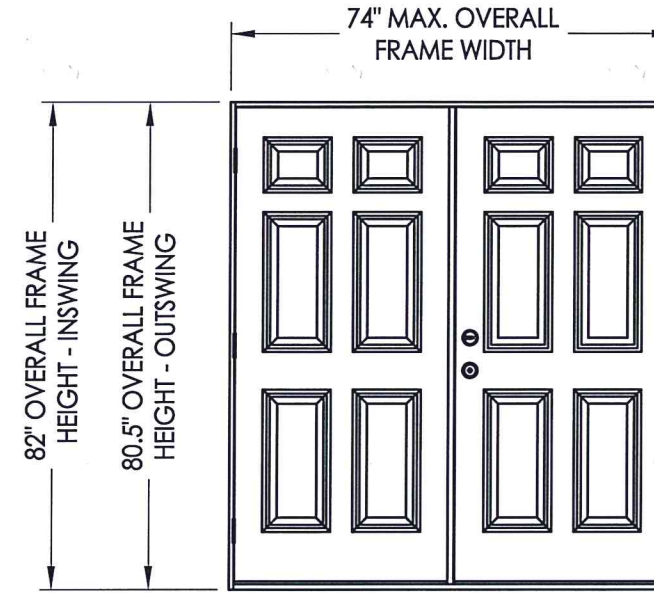
EVALUATED FOR USE IN THE STATE OF TEXAS

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:

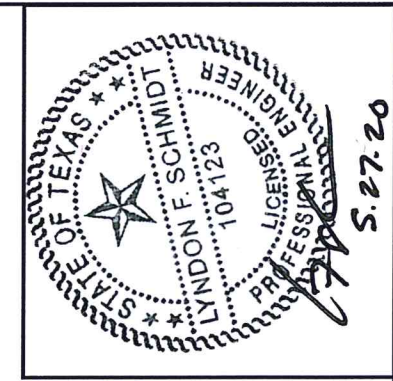
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 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.

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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	Buck and frame anchoring (XX)
9	Buck and frame anchoring (OXXO)
10	Astragal details
11	Bill of materials, components and glazing details



CONFIGURATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	N/A	+50.0	-50.0	+50.0	-50.0
OXXO	106.75" x 82.0"	7.0" X 63.0"	+50.0	-50.0	+50.0	-50.0



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: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
1	5/27/20	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY

DATE: 1/17/11

SCALE: N.T.S.

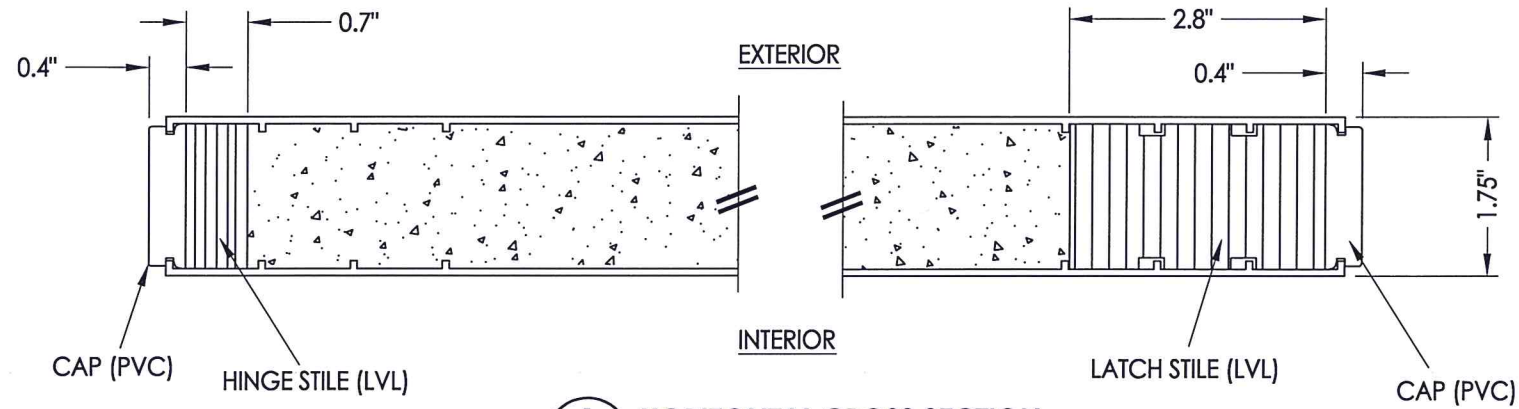
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CHK. BY: LFS

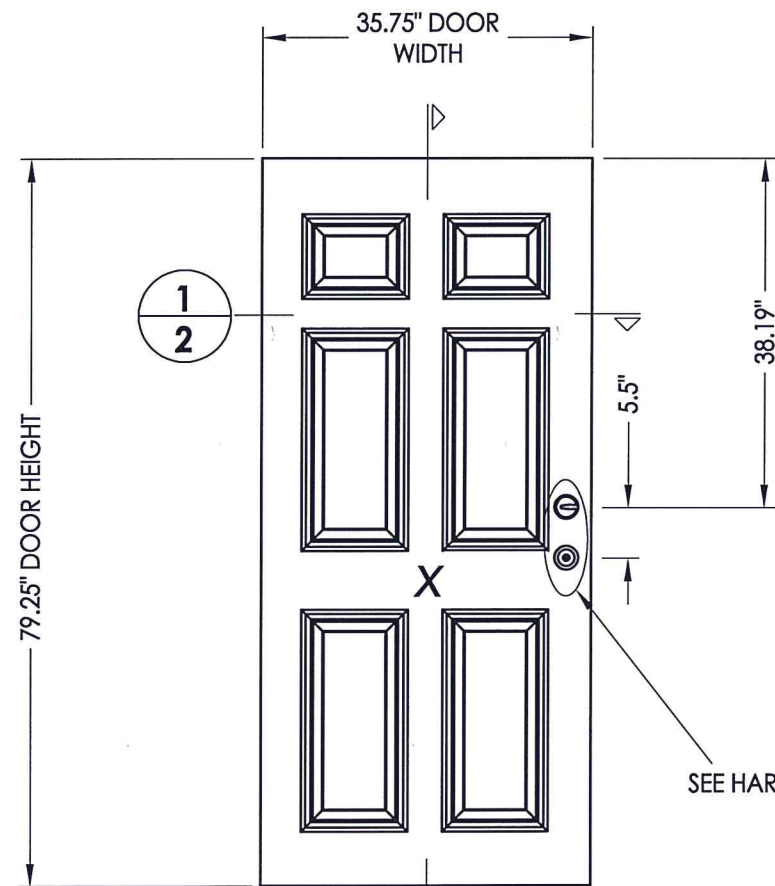
DRAWING NO.:

TX-4116

SHEET 1 OF 11



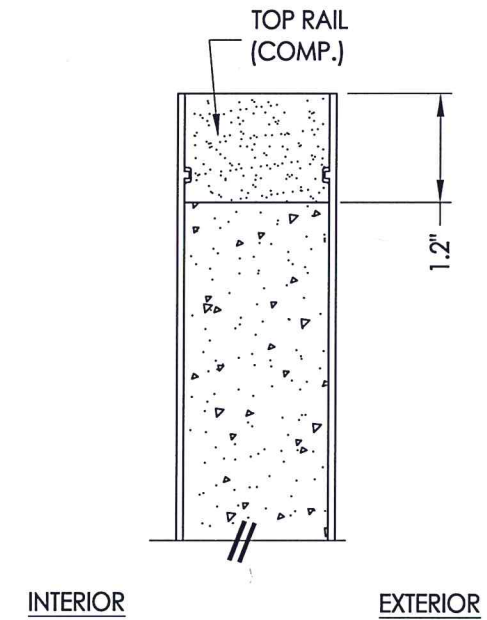
1
2 **HORIZONTAL CROSS SECTION**



40 **DOOR PANEL**
Plastpro
Fiberglass

HARDWARE TABLE			
MANUFACTURER	MODEL	MAX. DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (780)	+50.0	-50.0
SCHLAGE	KNOB: "F" SERIES (F10) LEVER: "F" SERIES (F10) DEADBOLT: "B" SERIES (B60/62)	+45.0	-45.0
SCHLAGE	HANDLE SET W/DEADBOLT: "F" SERIES (F60)	+45.0	-45.0

SEE HARDWARE TABLE

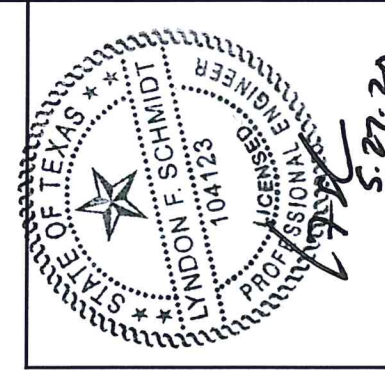


FOAM CORE (POLYURETHANE - 1.9 PCF MIN.)

FIBERGLASS SKIN (0.075" MIN. THK.)

BOTTOM RAIL (COMP.)

2
2 **VERTICAL CROSS SECTION**



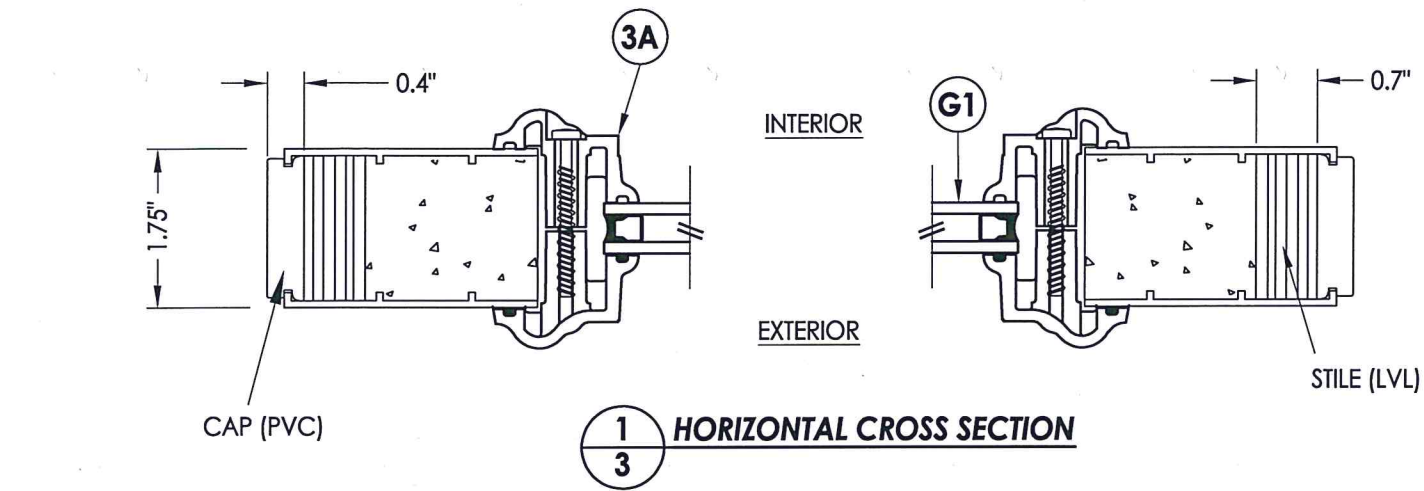
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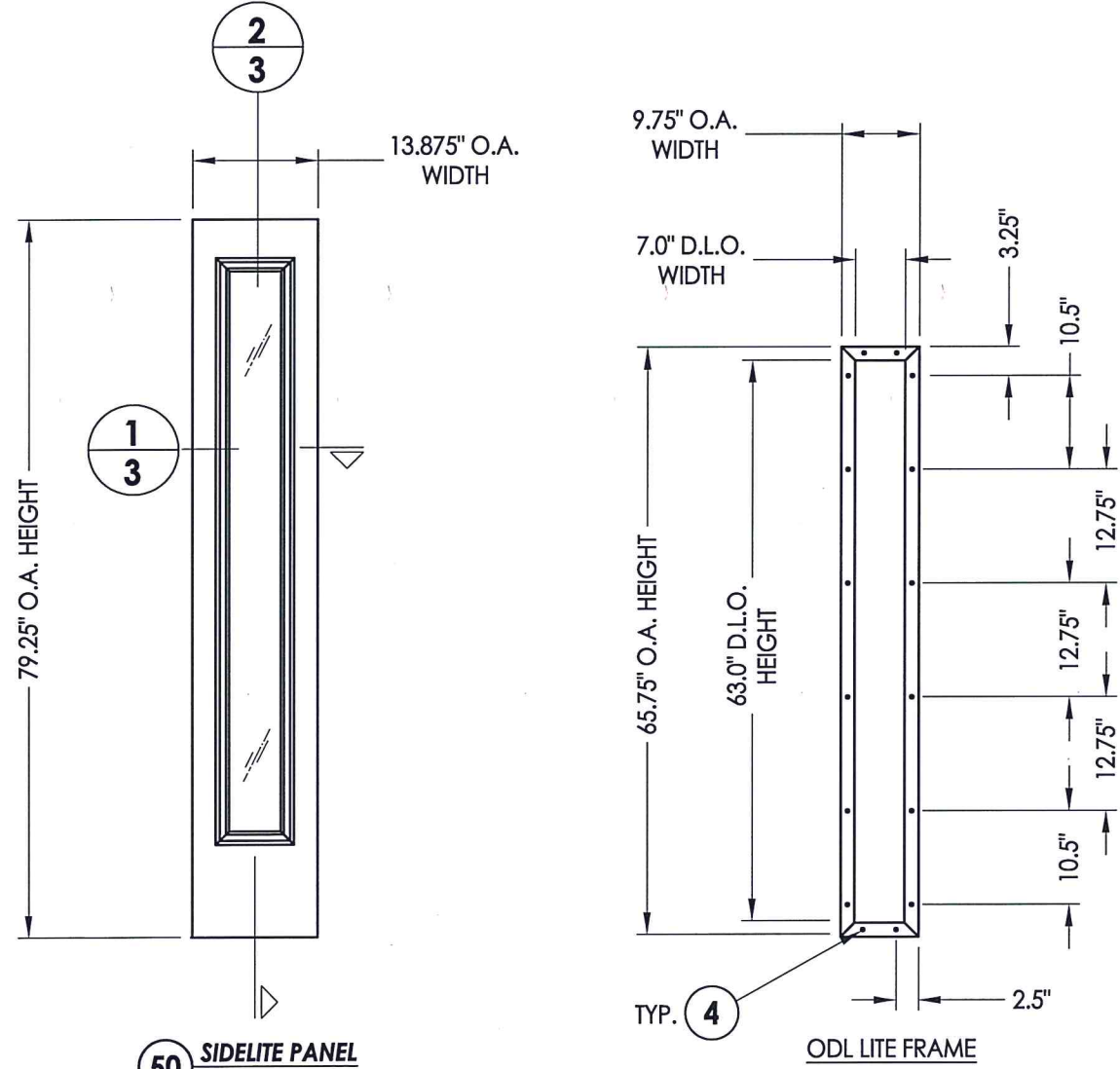
PRODUCT: PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	DESCRIPTION	BY
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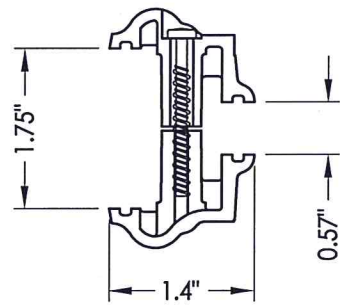
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4116
SHEET 2 OF 11



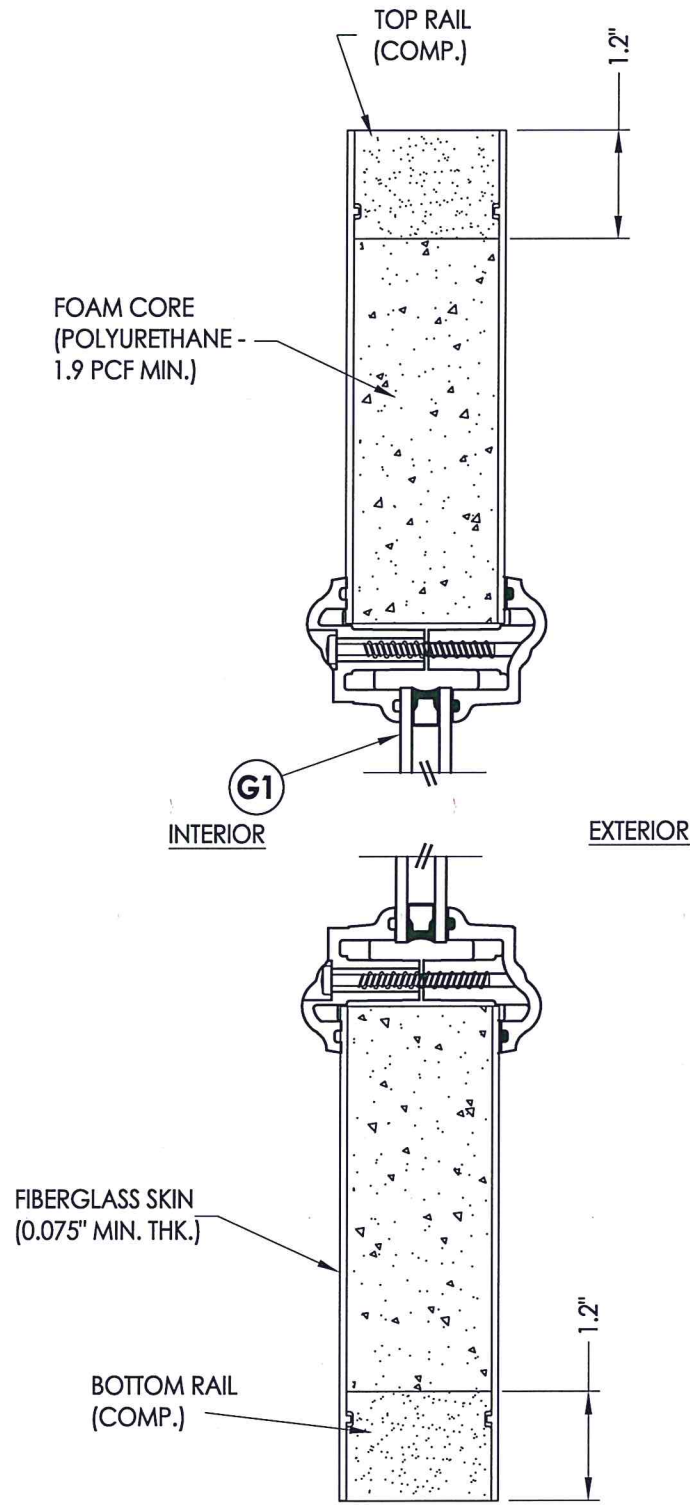
1
3 HORIZONTAL CROSS SECTION



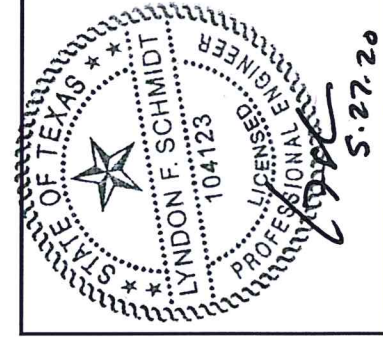
50 SIDELITE PANEL
Plastpro
Fiberglass



3A ODL LITE FRAME
HP Polypropylene



2
3 VERTICAL CROSS SECTION



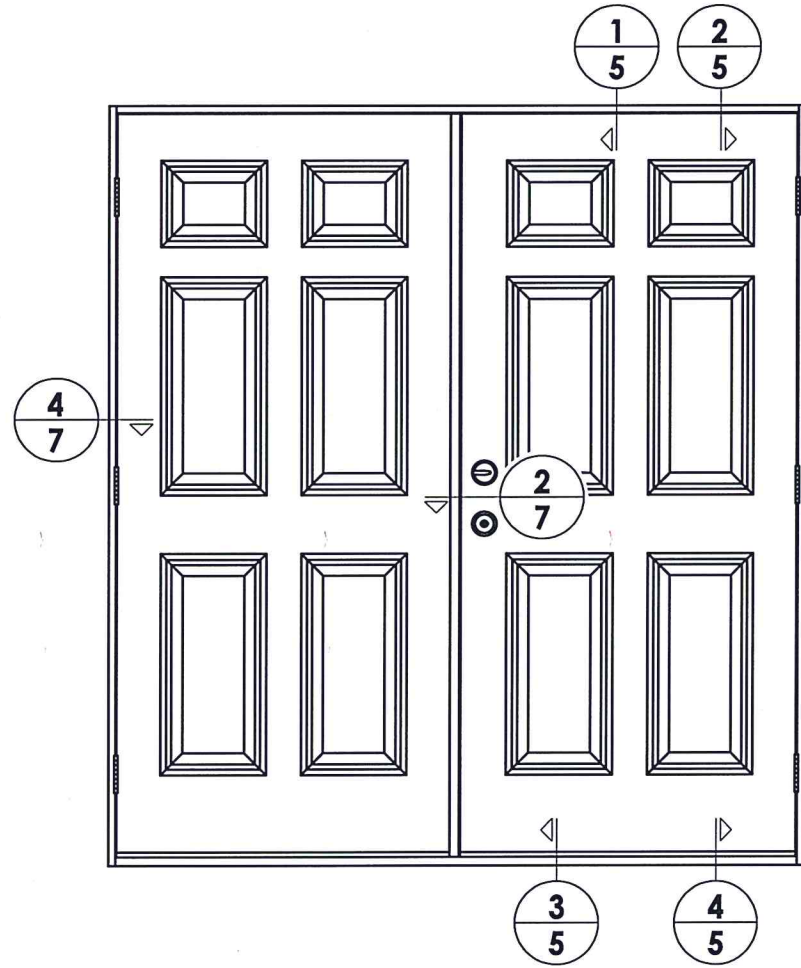
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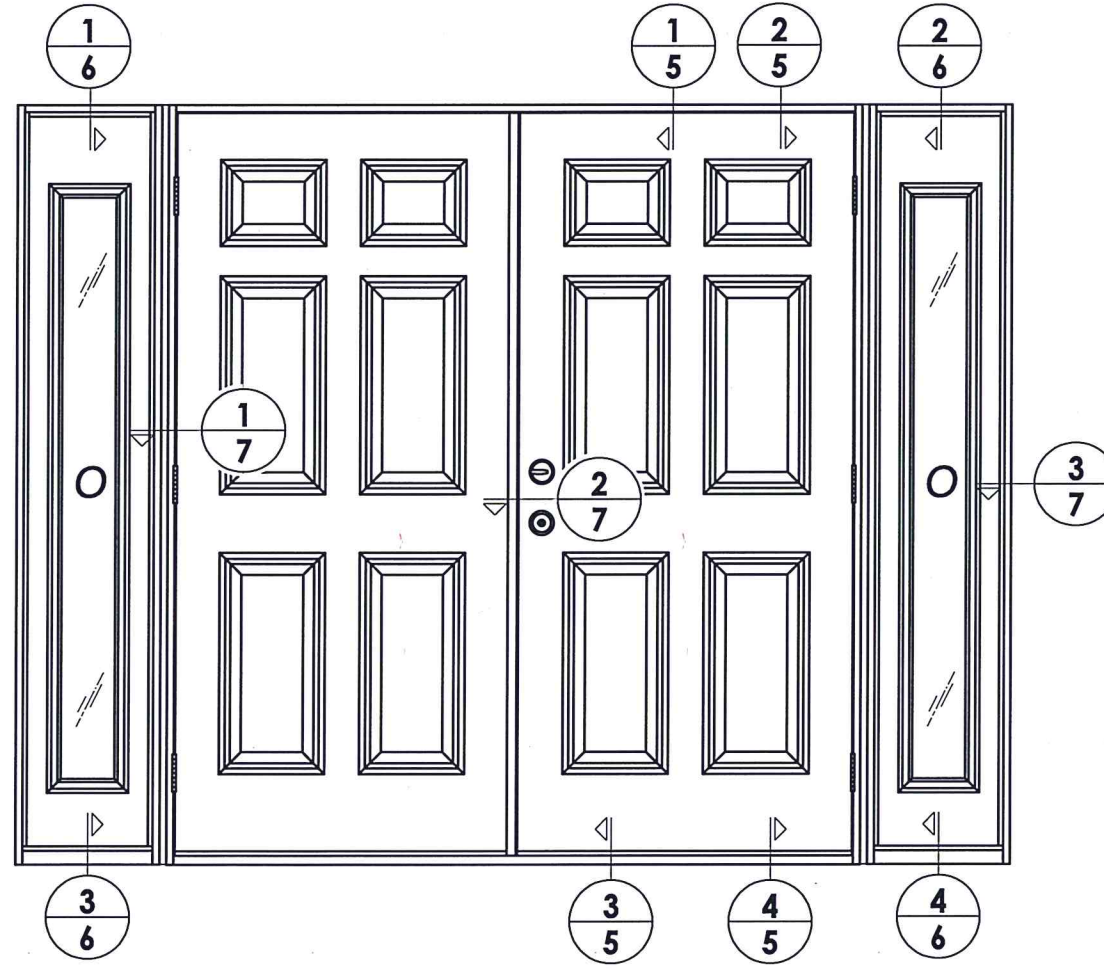
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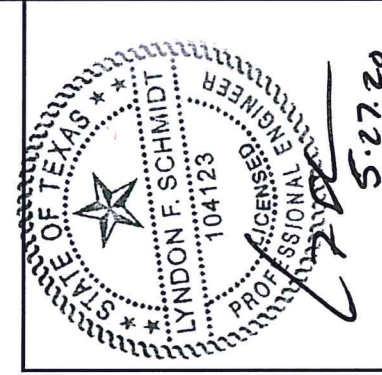
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DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4116
SHEET	3 OF 11



ELEVATION (XX)



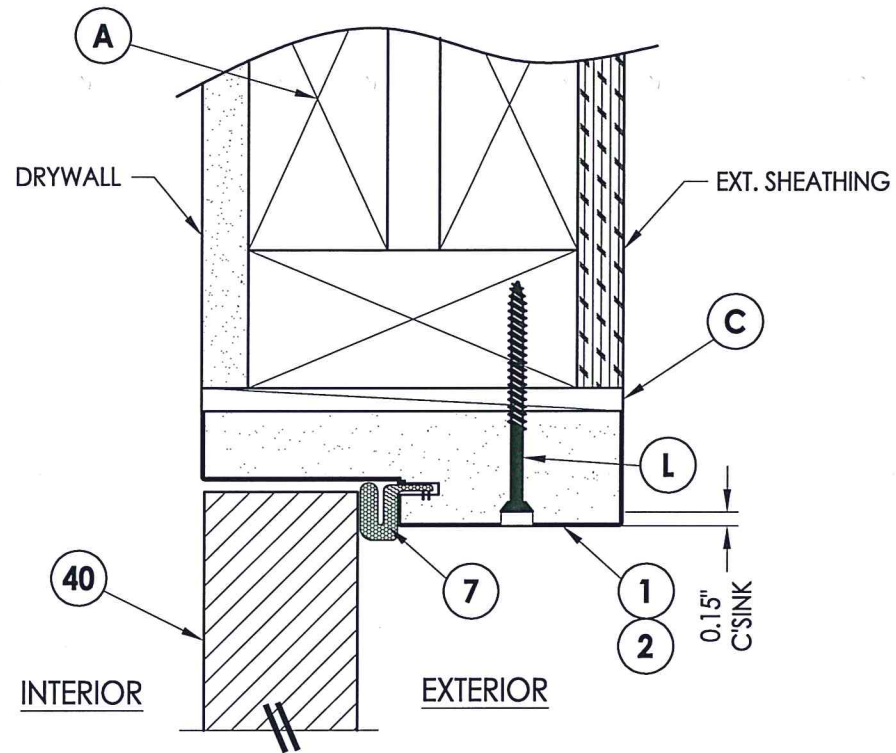
ELEVATION (OXXO)



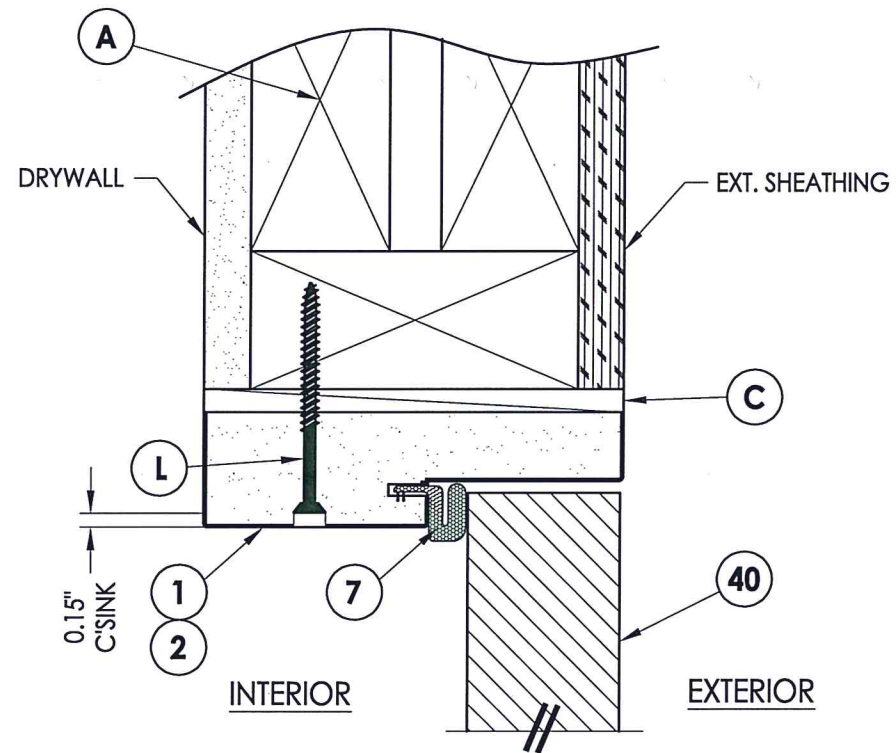
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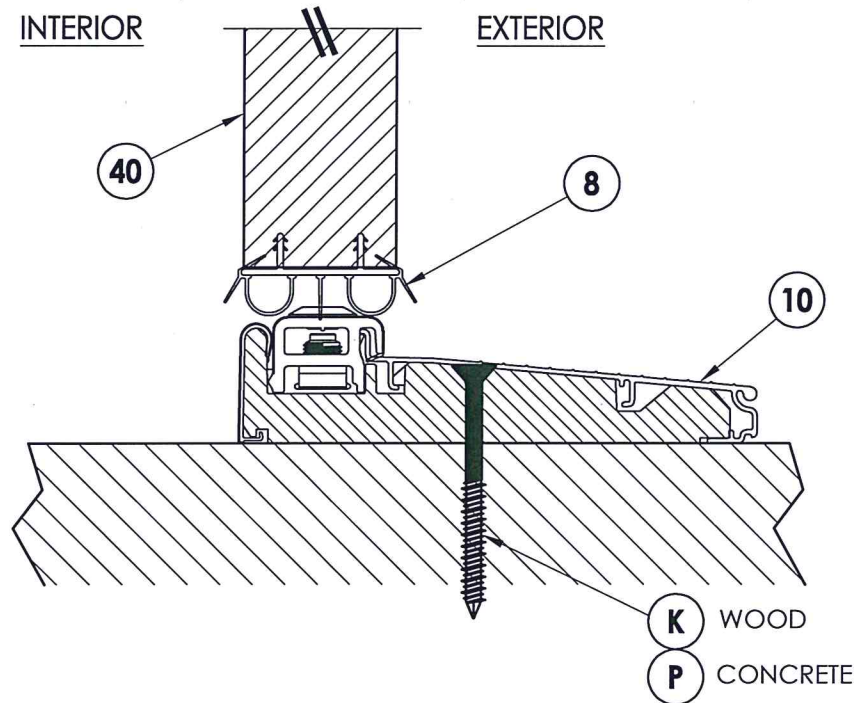
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DATE: 1/17/11			
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CHK. BY: LFS			
DRAWING NO.: TX-4116			
SHEET 4 OF 11			



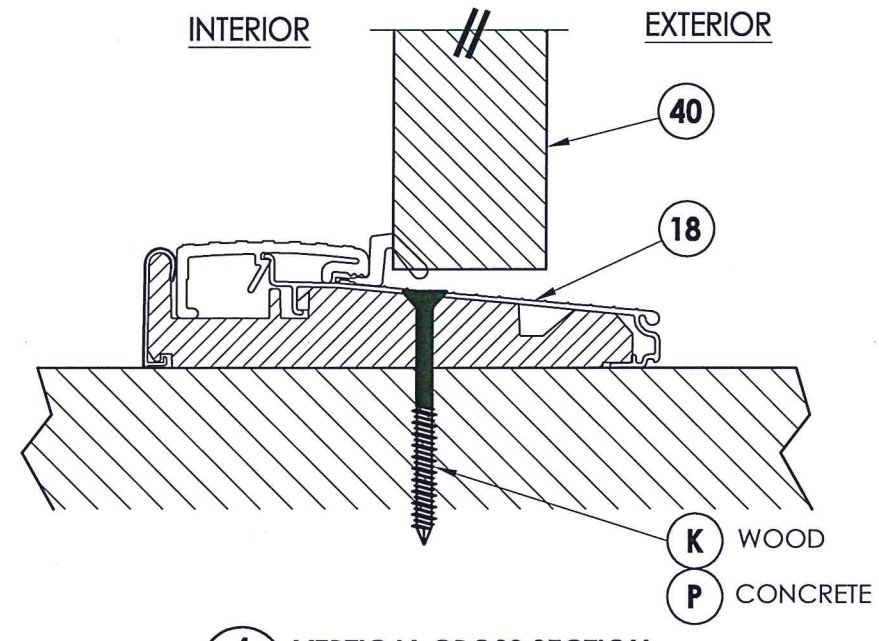
1 VERTICAL CROSS SECTION
5 Inswing shown



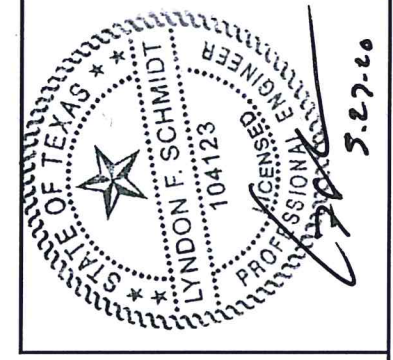
2 VERTICAL CROSS SECTION
5 Outswing shown



3 VERTICAL CROSS SECTION
5 Inswing shown



4 VERTICAL CROSS SECTION
5 Outswing shown



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 TEXAS P.E. #104123

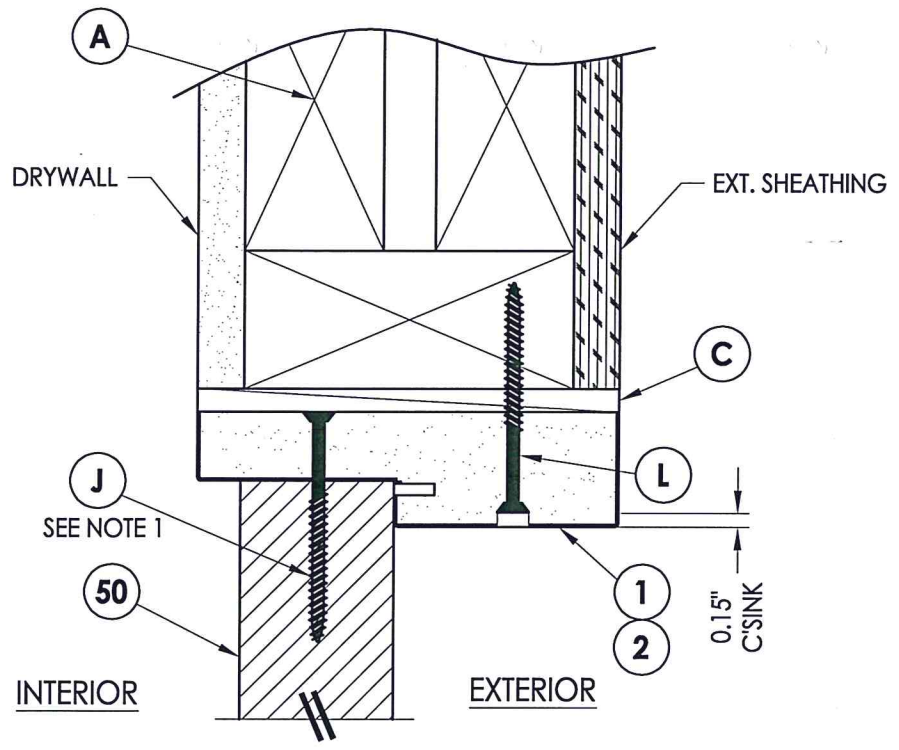
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTIPRO FIBERGLASS DOOR
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

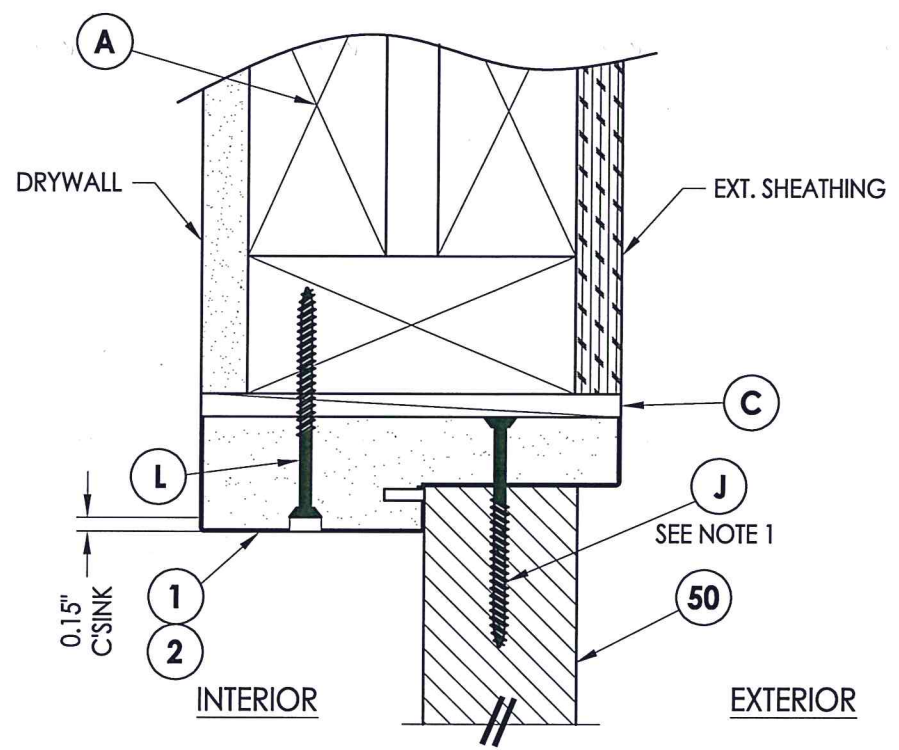
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REVISIONS			

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 CHK. BY: LFS
 DRAWING NO.: TX-4116
 SHEET 5 OF 11

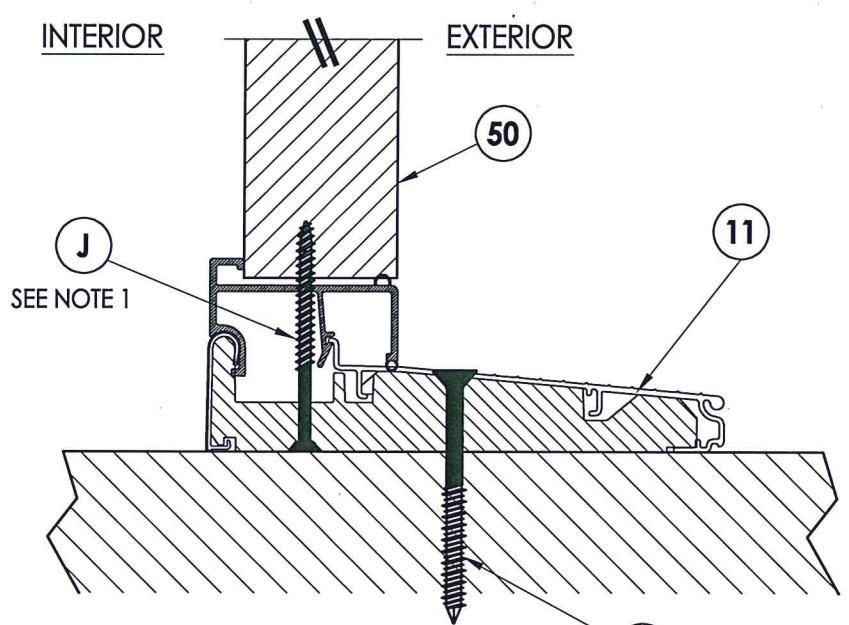
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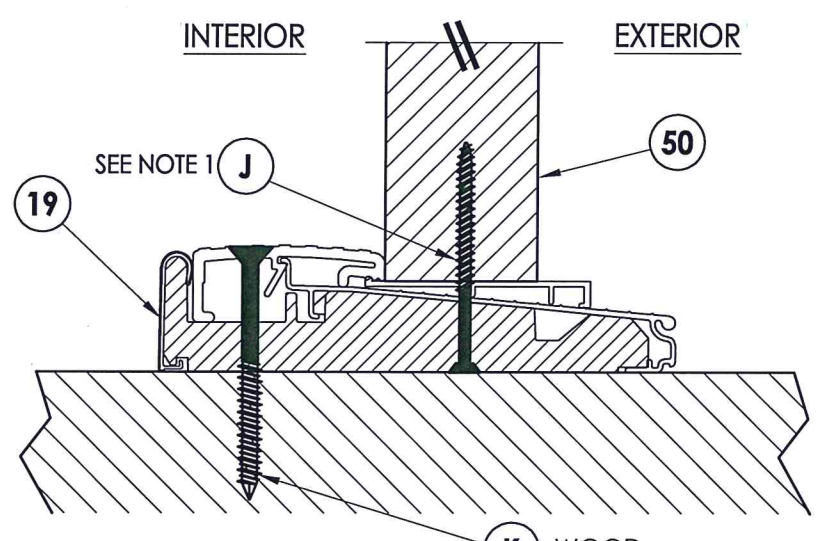
1 VERTICAL CROSS SECTION
6 Inswing shown



2 VERTICAL CROSS SECTION
6 Outswing shown



3 VERTICAL CROSS SECTION
6 Inswing shown

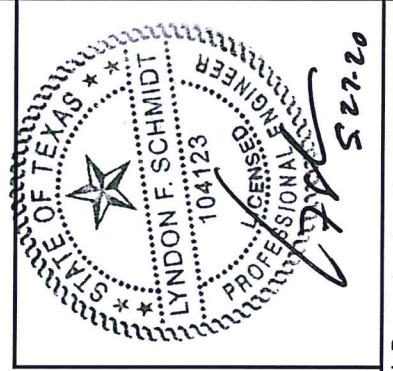


4 VERTICAL CROSS SECTION
6 Outswing shown

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

K WOOD
P CONCRETE

K WOOD
P CONCRETE



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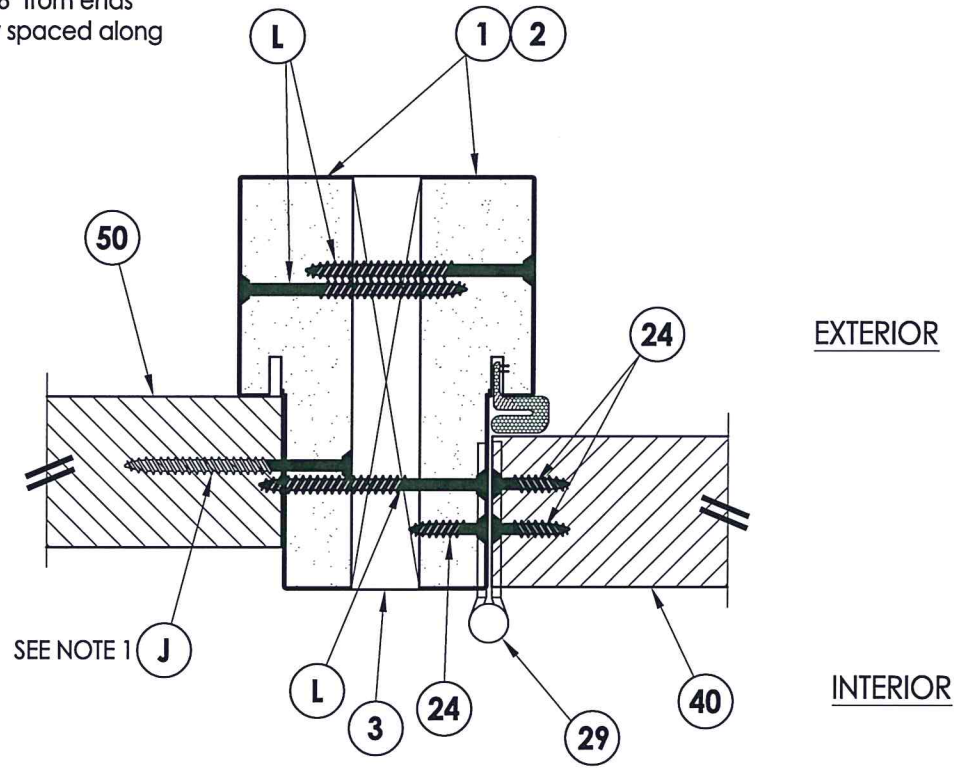
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PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
1	5/27/20	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY

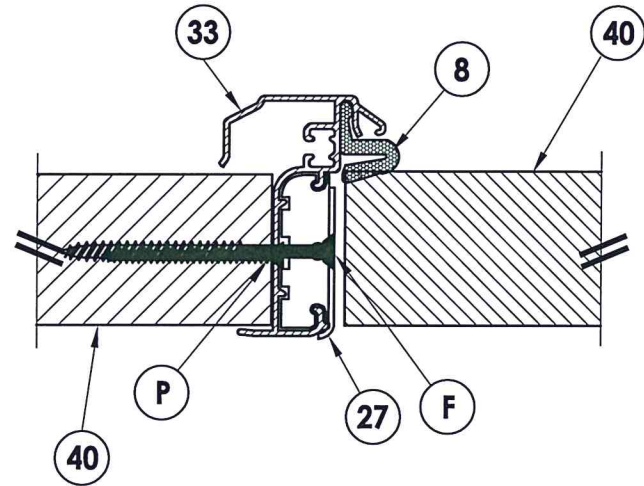
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SHEET 6 of 11

NOTE:

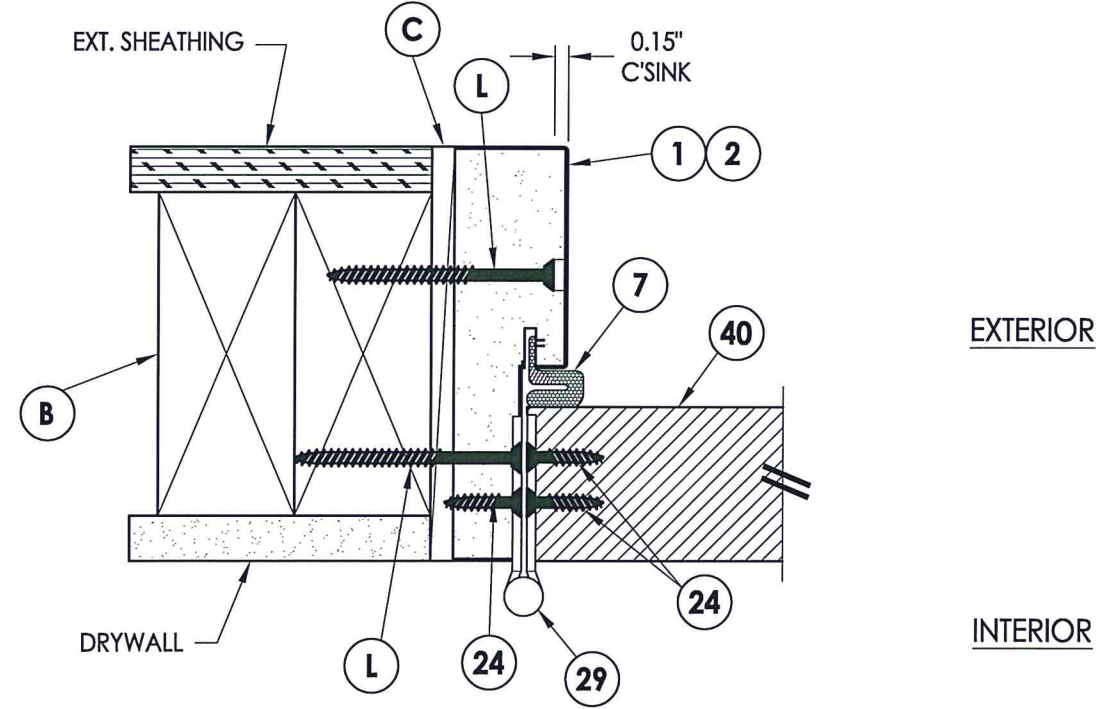
1. Spacing for item J: 6" from ends and 4 more equally spaced along sidelite (6 total).



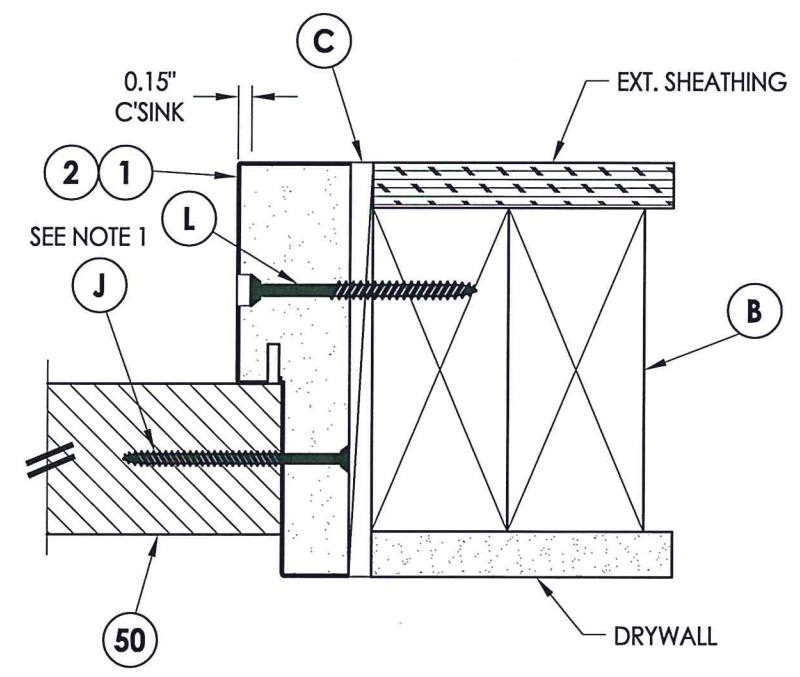
1 **HORIZONTAL CROSS SECTION**
7 Inswing shown - outswing also approved



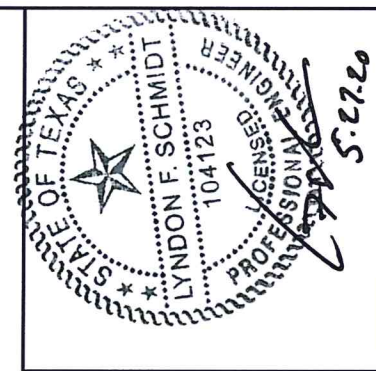
2 **HORIZONTAL CROSS SECTION**
7 Inswing shown - outswing also approved



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



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



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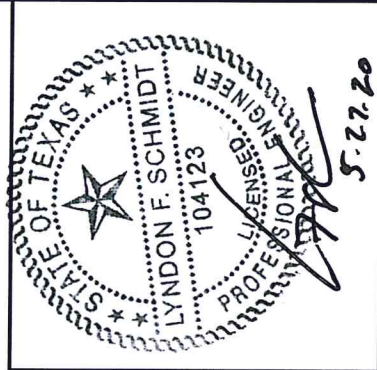
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197

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

PRODUCT: PLASTPRO FIBERGLASS DOOR
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	DESCRIPTION	BY
1	5/27/20	UPDATE TO 2018 IBC/IRC CODE	LFS

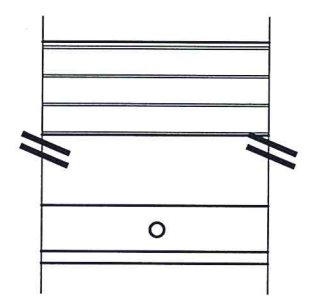
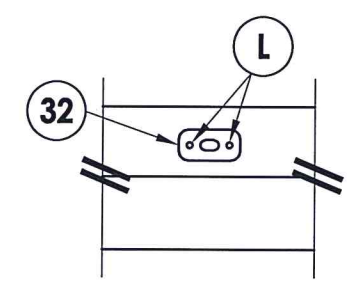
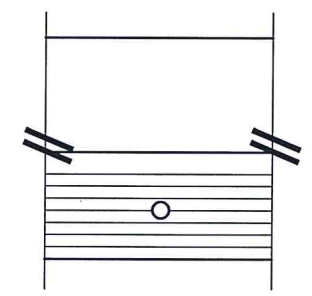
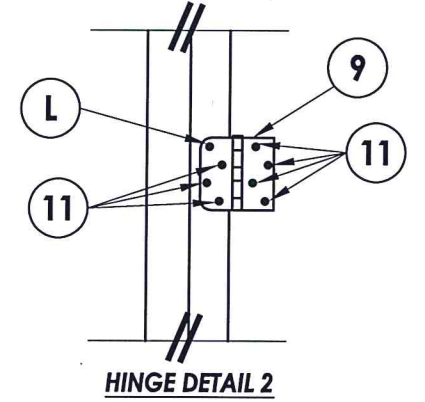
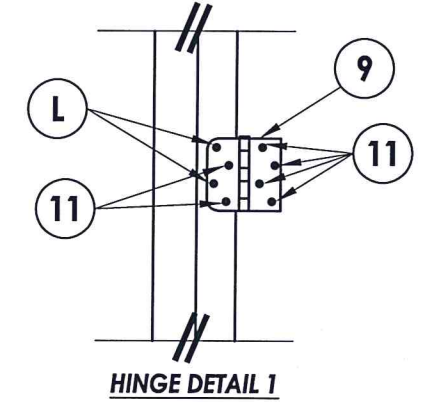
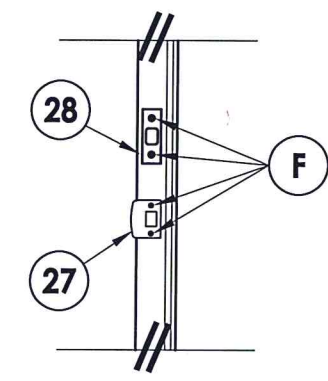
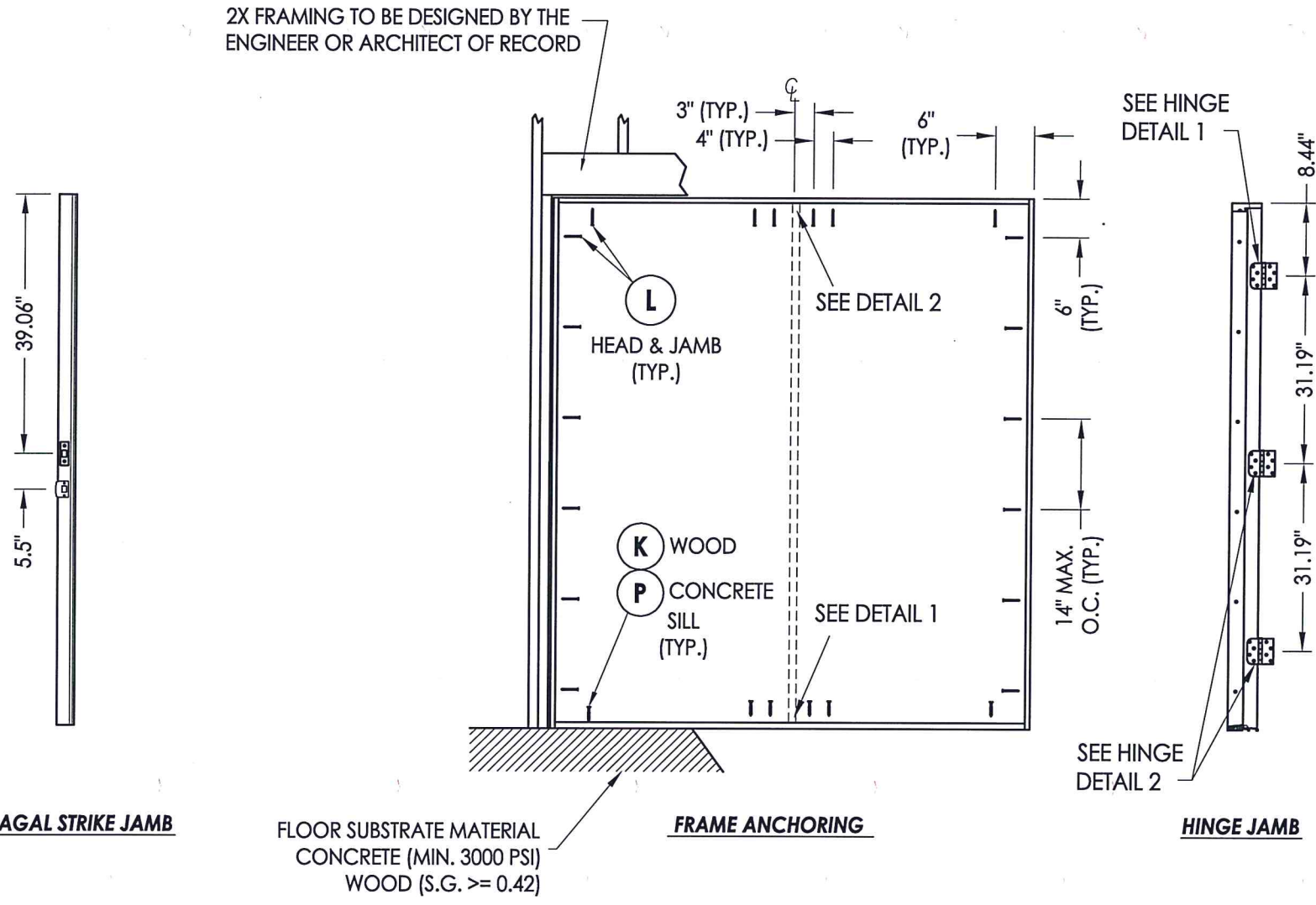
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 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4116
 SHEET 7 OF 11



Documents Prepared By: Lyndon F. Schmidt, P.E.
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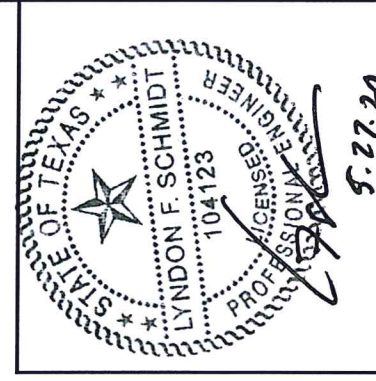


- CONCRETE ANCHOR NOTES:**
1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
 2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. Concrete anchor locations 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.
 3. Concrete anchor table:

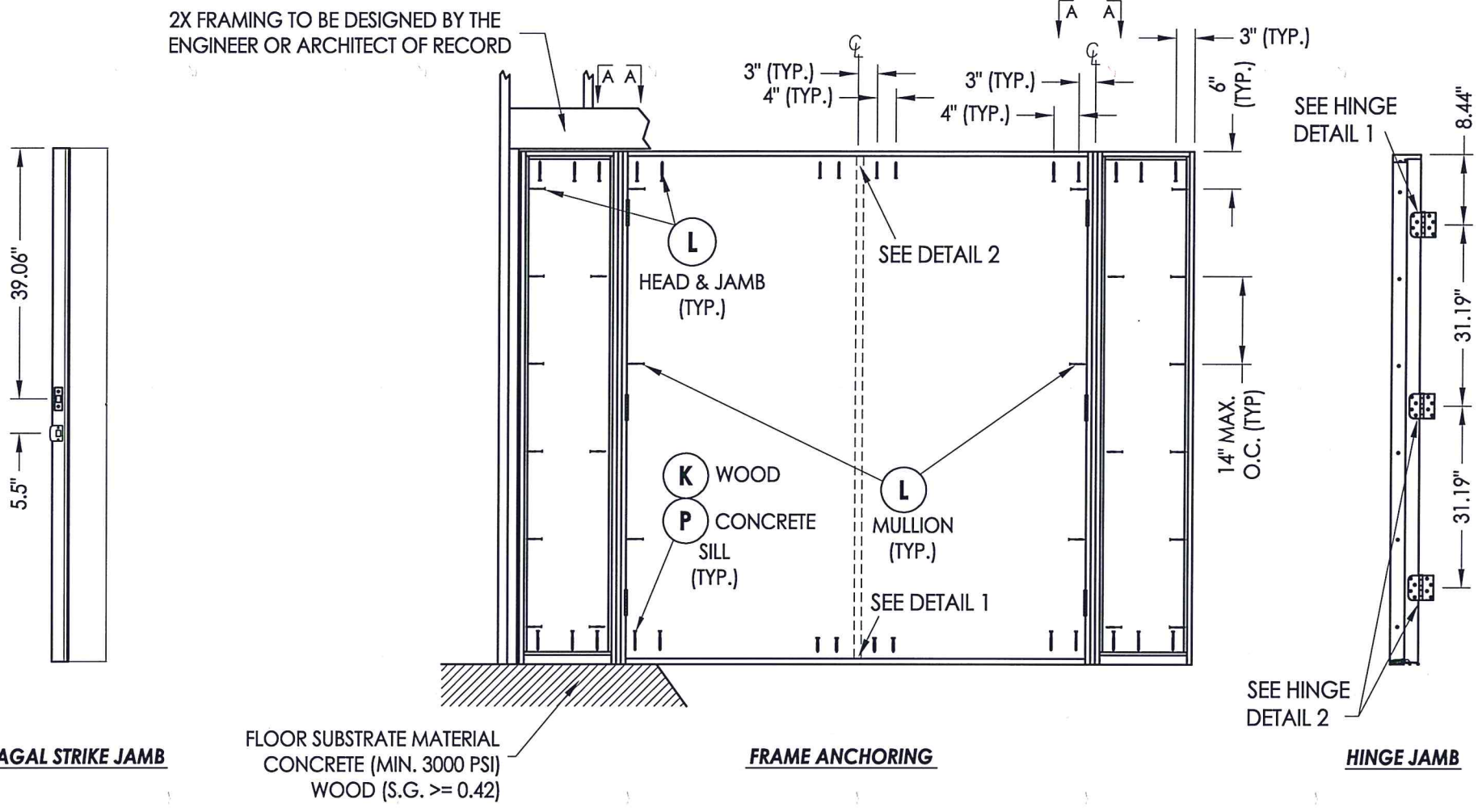
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW	1/4"	1-1/4"	2-1/2"	3"
ELCO	1/4"	1-1/4"	1"	4"

PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK AND FRAME ANCHORING (XX)
NO.	1
DATE	5/27/20
UPDATE TO 2018 IBC/IRC CODE	LFS
BY	BY
REVISIONS	
DATE:	1/17/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4116
SHEET	8 OF 11

R:\Clients\Plastpro, Inc PERMANENT\B - TD\Hinged Doors - Fiberglass\DR - 637 Opaque Fiberglass (Non-Impact)\C - Drawings\TX-4116.dwg, 9.1



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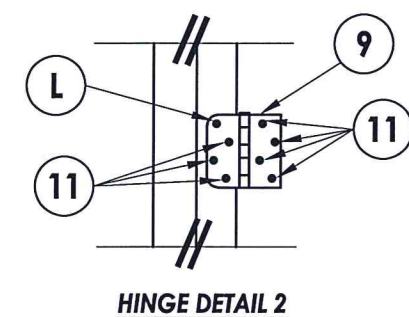
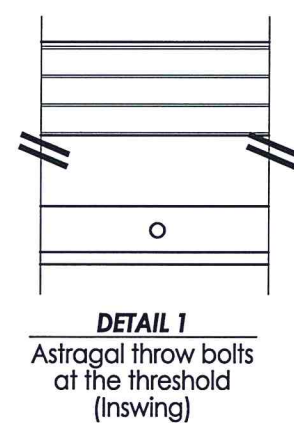
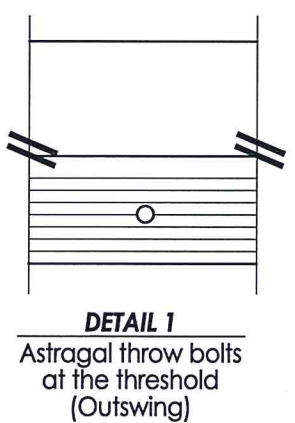
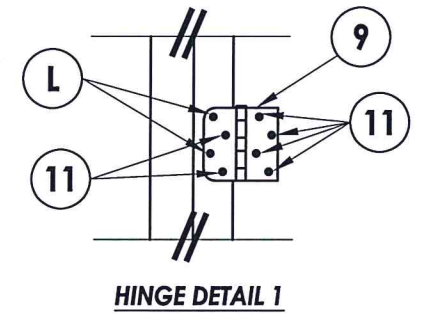
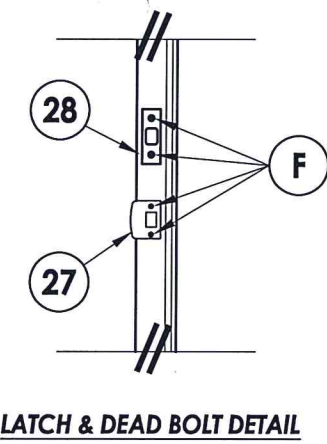
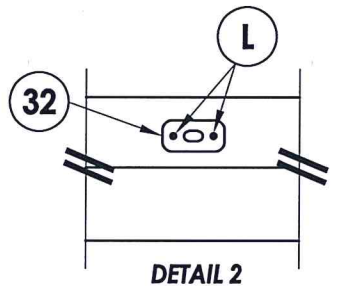
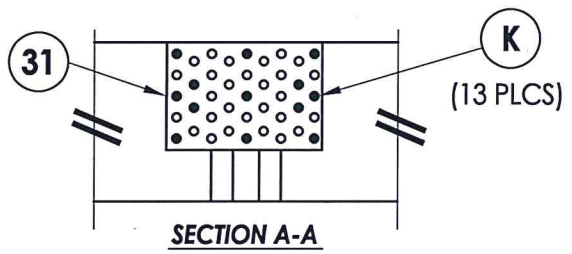


ASTRAGAL STRIKE JAMB

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

FRAME ANCHORING

HINGE JAMB



CONCRETE ANCHOR NOTES:

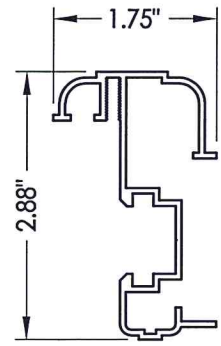
1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
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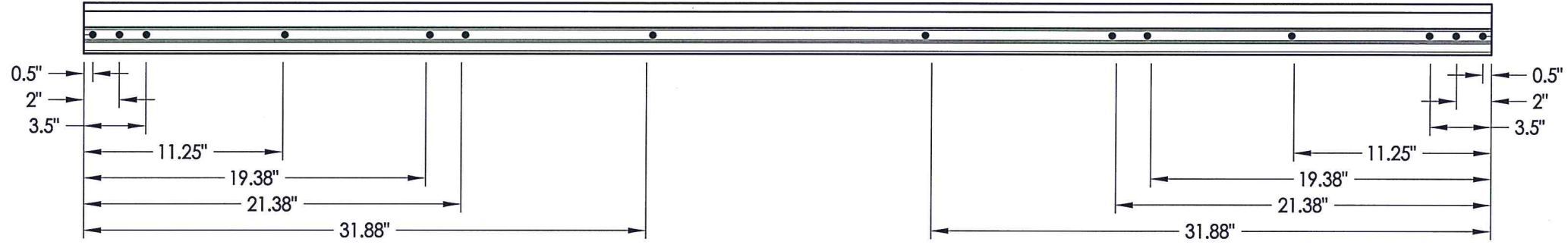
PRODUCT: PLASTPRO FIBERGLASS DOOR
 PART OR ASSEMBLY: BUCK AND FRAME ANCHORING (OXXO)

NO.	DATE	DESCRIPTION	LFS	BY
1	5/27/20	UPDATE TO 2018 IBC/IRC CODE	LFS	BY

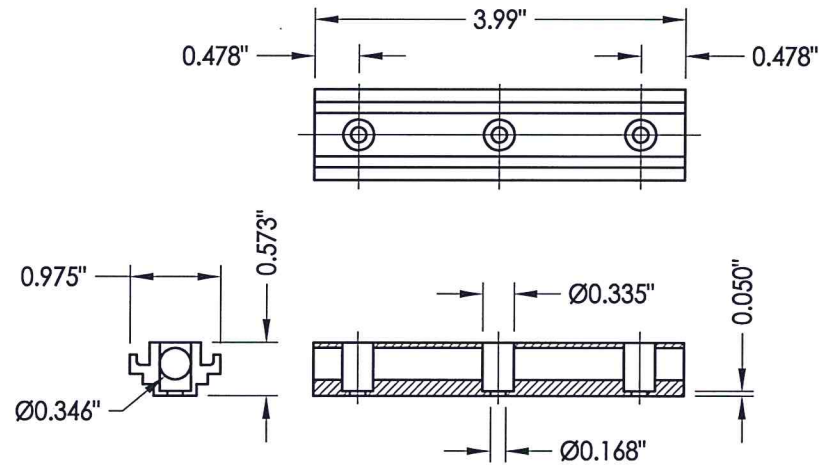
DATE: 1/17/11
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4116
 SHEET 9 of 11



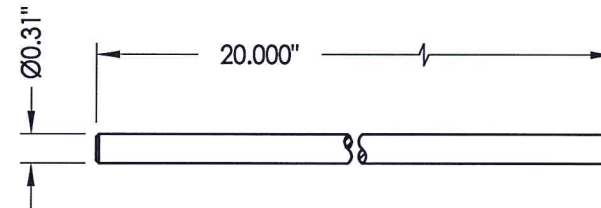
33 ASTRAGAL
DLP



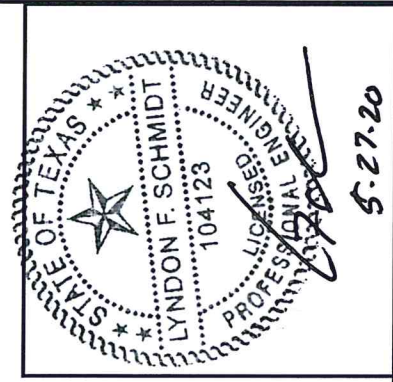
ASTRAGAL SCREW LOCATIONS



34 CONCEALED STIFFENER



35 SLIDE BOLT ROD
Typ. top & bottom
of astragal
top through 1.98"
bottom through 1.98"



5-27-20

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

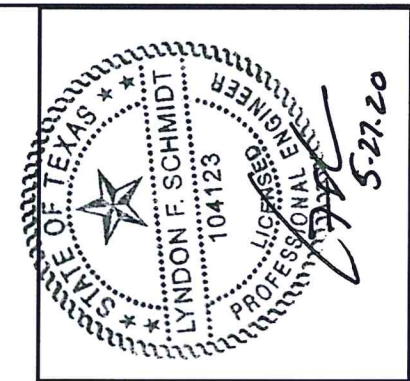
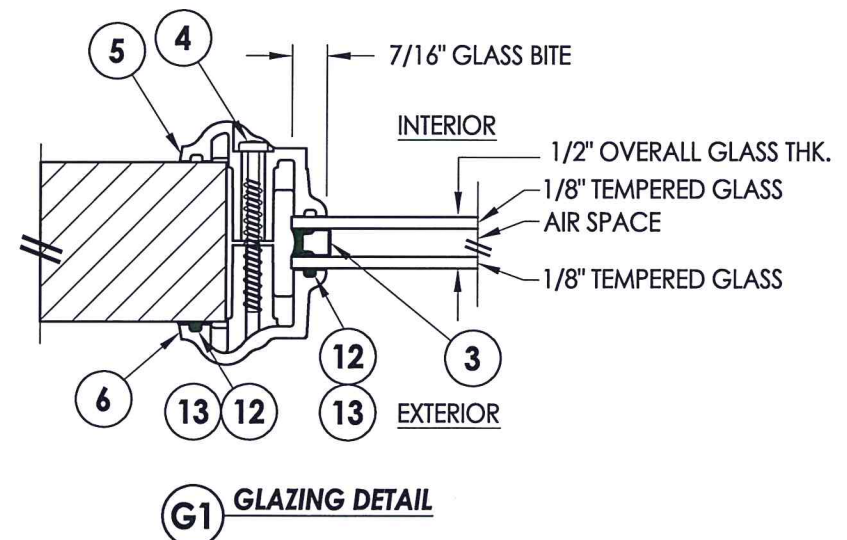
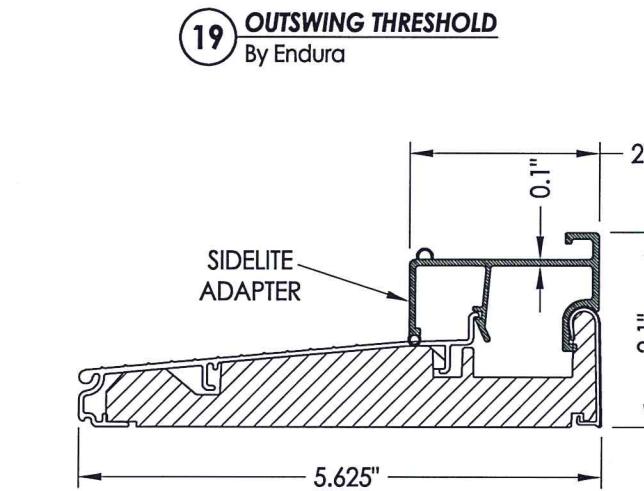
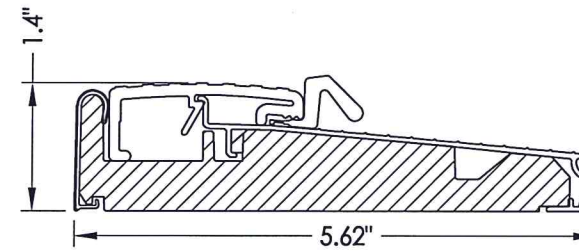
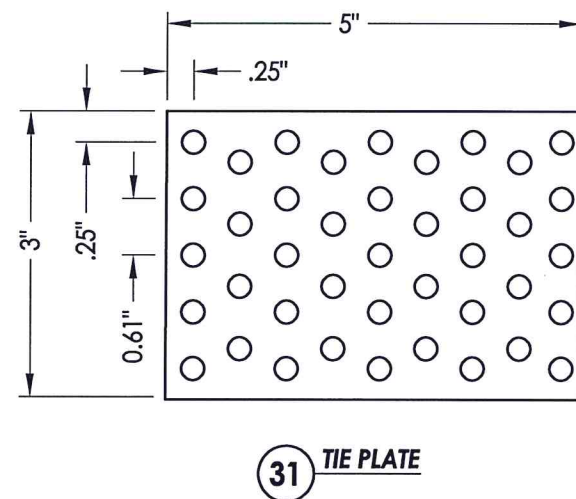
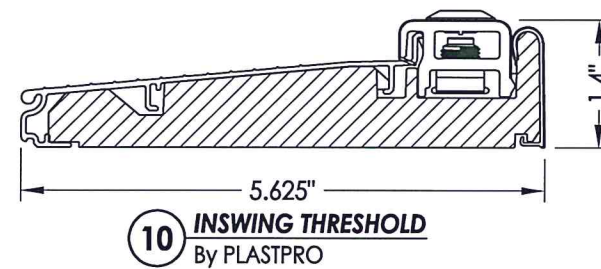
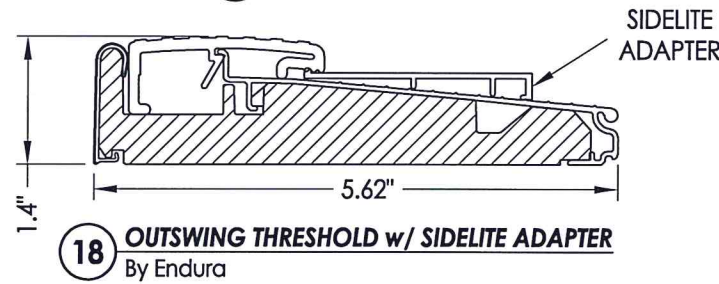
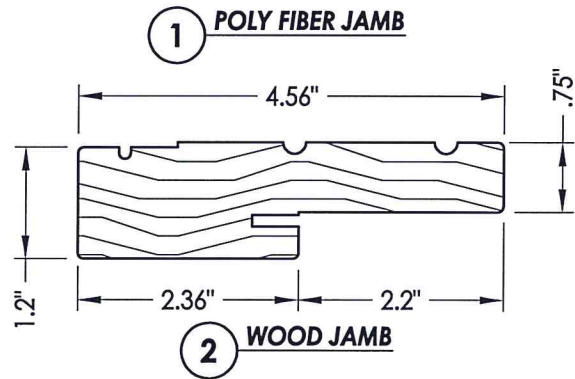
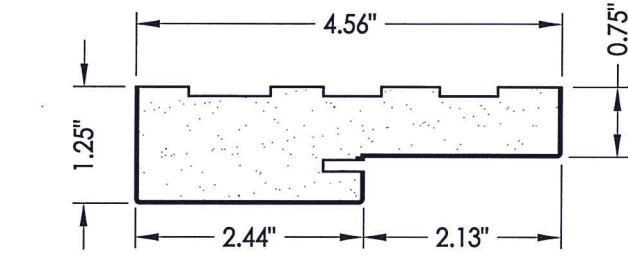
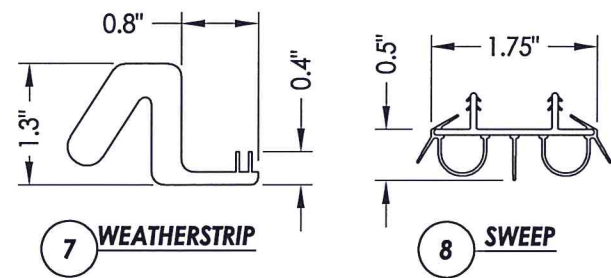
PART OR ASSEMBLY:
ASTRAGAL DETAILS

NO.	DATE	REVISIONS
1	5/27/20	UPDATE TO 2018 IBC/IRC CODE
LFS		BY

DATE: 1/17/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4116
SHEET 10 OF 11

R:\Clients\Plastpro, Inc PERMANENT\B - TD\Hinged Doors - Fiberglass (Non-Impact)\C - Drawings\TX-4116.dwg, 11.1

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 (1.15" MIN. EMBEDMENT)	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	WOOD JAMB (FINGER JOINTED PINE)	WOOD
3	1X MULLION REINFORCEMENT (SG >= 0.55)	WOOD
4	#8 X 1-1/2" PPH SMS	STEEL
5	INT. FRAME	PVC
6	EXT. FRAME	PVC
7	FORCE 5 WEATHER STRIPPING BY ENDURA	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" X 4" HINGE	STEEL
31	TIE PLATE	STEEL
32	ASTRAGAL STRIKE PLATE	STEEL
33	EXTRUDED ALUMINUM ASTRAGAL BY DLP	ALUM
34	CONCEALED STIFFENER	ALUM
35	SLIDE BOLT ROD	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-



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

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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 & GLAZING DETAILS	
NO.	DATE	REVISIONS
1	5/27/20	UPDATE TO 2018 IBC/IRC CODE
LFS	BY	
DATE:	1/17/11	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4116	
SHEET	11 OF 11	