

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

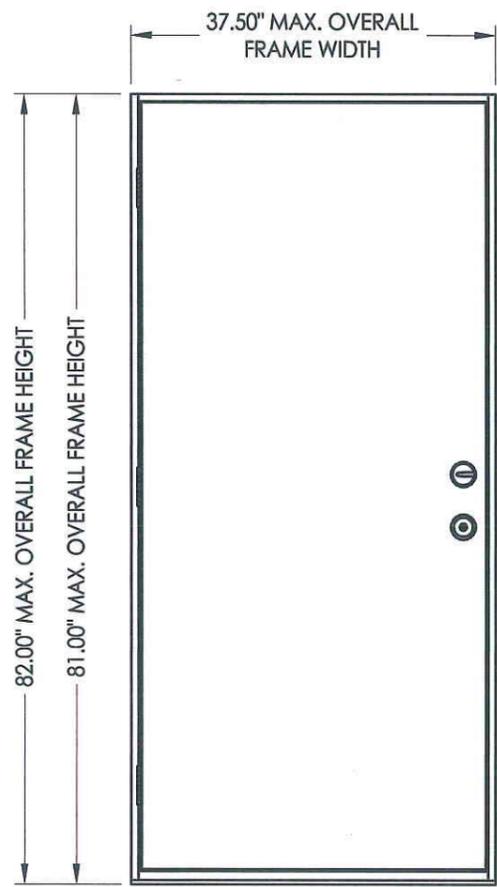


Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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 FIRE RATED INSWING / OUTSWING "IMPACT"



EVALUATED FOR USE IN THE STATE OF TEXAS

The Plastpro 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. This system has been tested and evaluated as a large missile impact protective system for installation in the Seaward, Inland I and Inland II areas. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
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.
5. Note: Fire rating is not part of this approval and it is the responsibility of the Design Professional to verify adequacy of this product to meet Texas State requirements for fire ratings.

SUPPORTING DOCUMENTS & EVIDENCE

1. Testing per ASTM E 330-02 & ASTM E 1886/1996-05/06:
Testing Evaluation Laboratories, Inc. test report #: TEL-2005-02-21-001.
ETC Laboratories test report #: ETC-10-209-24588.0.
2. Calculations (Anchoring) prepared by Lyndon F. Schmidt, P.E.
3. Certificate of Participation issued by the National Accreditation and Management Institute, Inc., certifying that Plastpro is manufacturing products within a Quality Assurance program.

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.50" x 82.00"	+65.0	-65.0	+65.0	-65.0

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Vertical cross sections
4	Horizontal cross section
5	Frame anchoring
6	Bill of materials and components

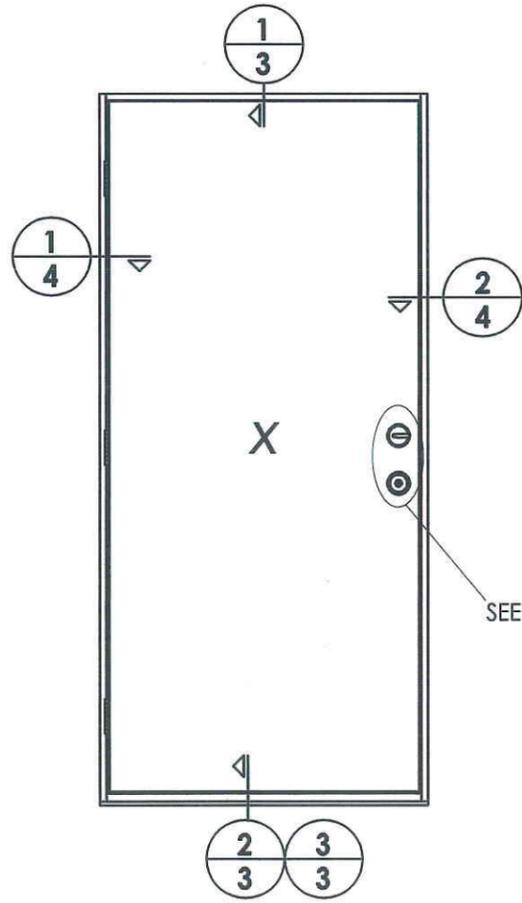
PRODUCT:	PLASTPRO FIBERGLASS DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
NO.	1
DATE	11/18/10
REVISED	LOCK HARDWARE
BY	LFS
REVISIONS	
DATE:	04/14/10
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4082
SHEET	1 OF 6

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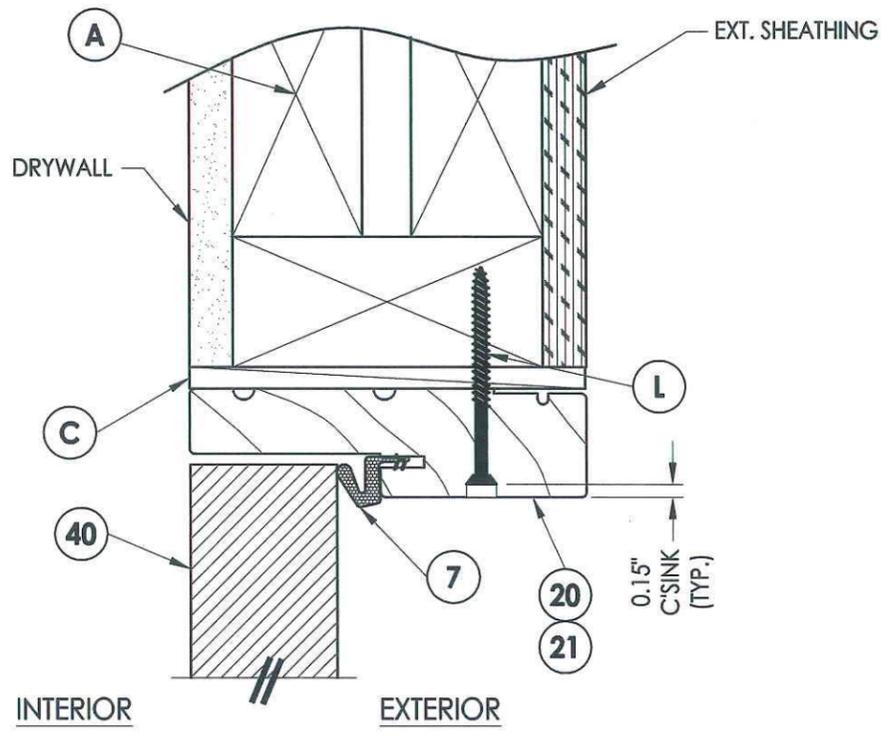
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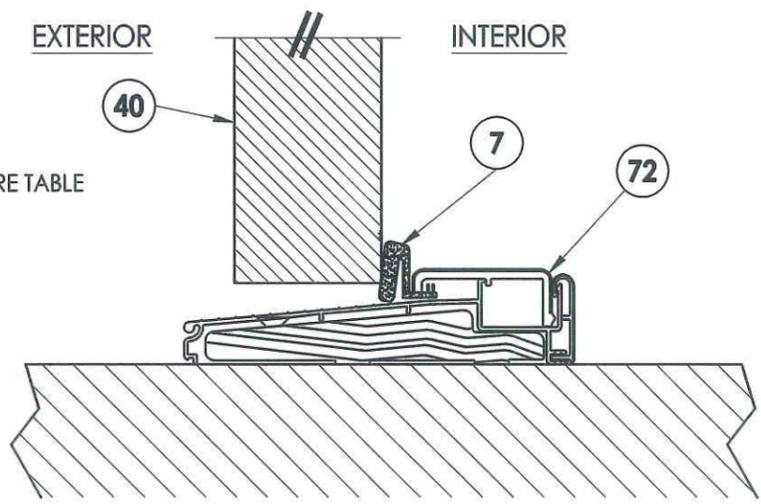
HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (780)



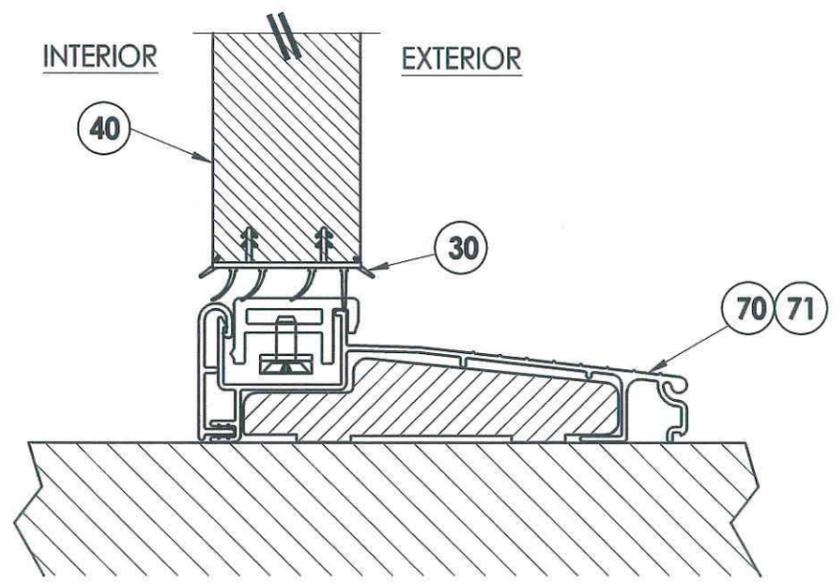
ELEVATION (X)



1 VERTICAL CROSS SECTION
3 Inswing shown - outswing also approved



2 VERTICAL CROSS SECTION
3 Outswing configuration



3 VERTICAL CROSS SECTION
3 Inswing configuration



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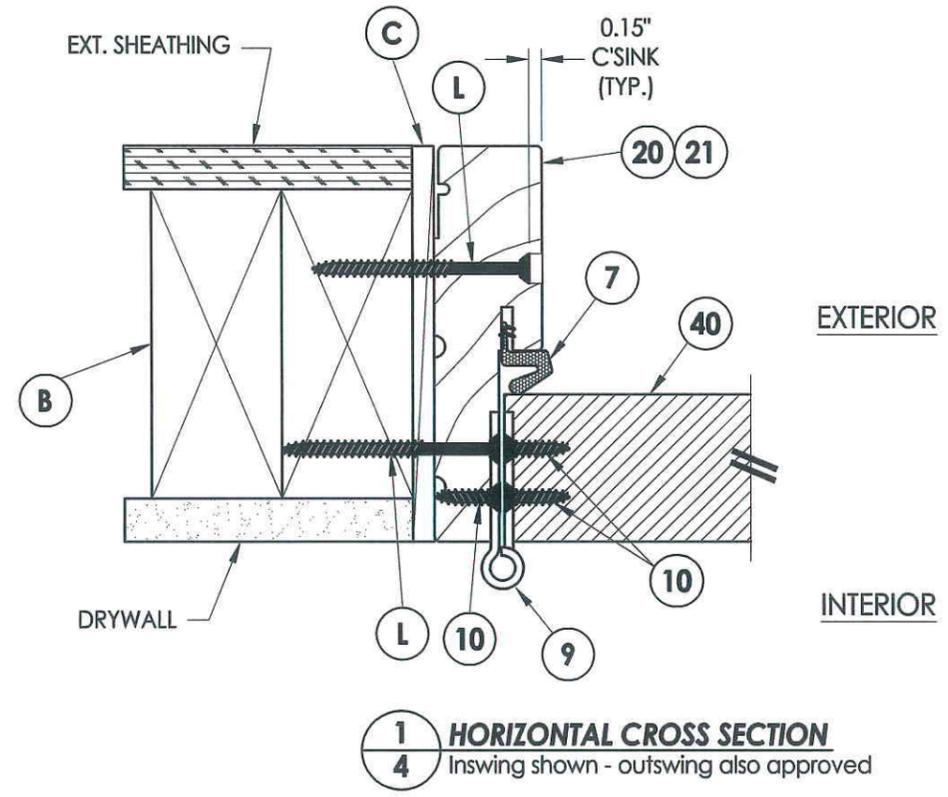
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 CERTIFICATE OF REGISTRATION # F-11852

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

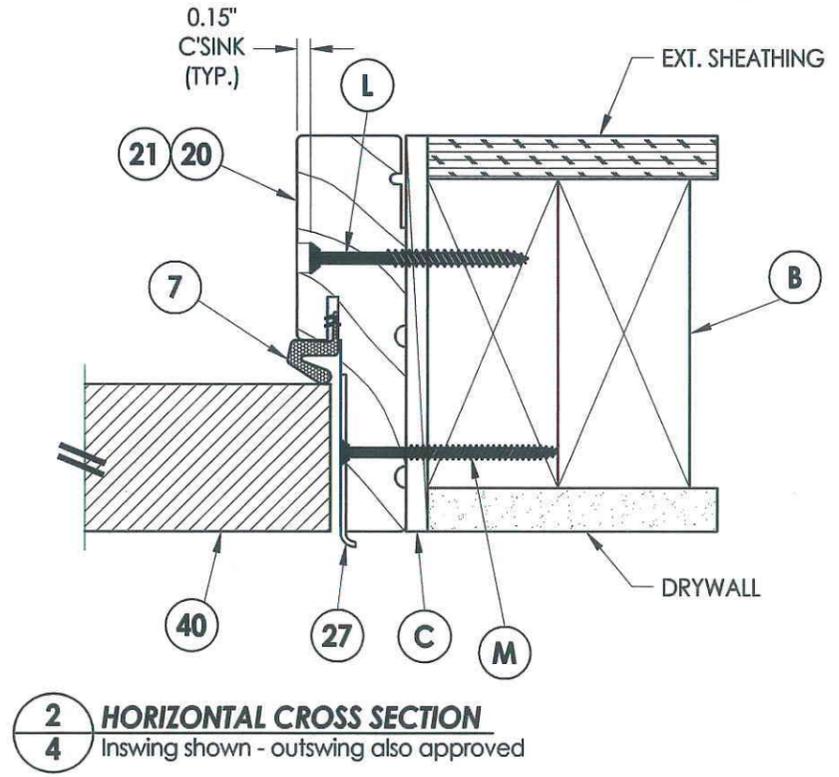
NO.	DATE	REVISIONS
1	11/18/10	REVISED LOCK HARDWARE
		LFS
		BY

DATE: 04/14/10
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4082
 SHEET 3 OF 6

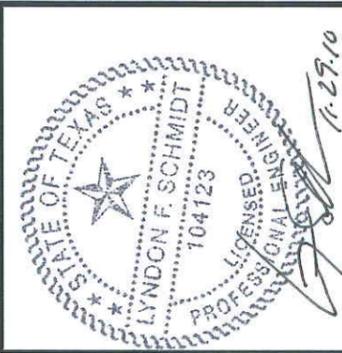
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1 HORIZONTAL CROSS SECTION
4 Inswing shown - outswing also approved



2 HORIZONTAL CROSS SECTION
4 Inswing shown - outswing also approved



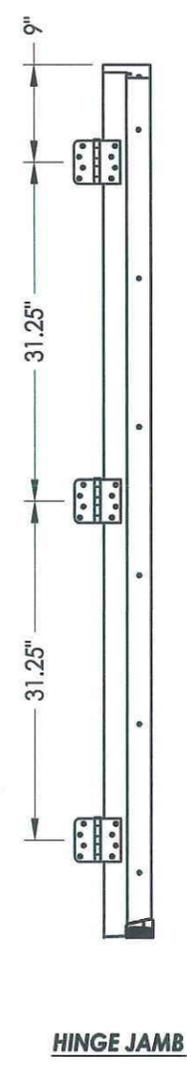
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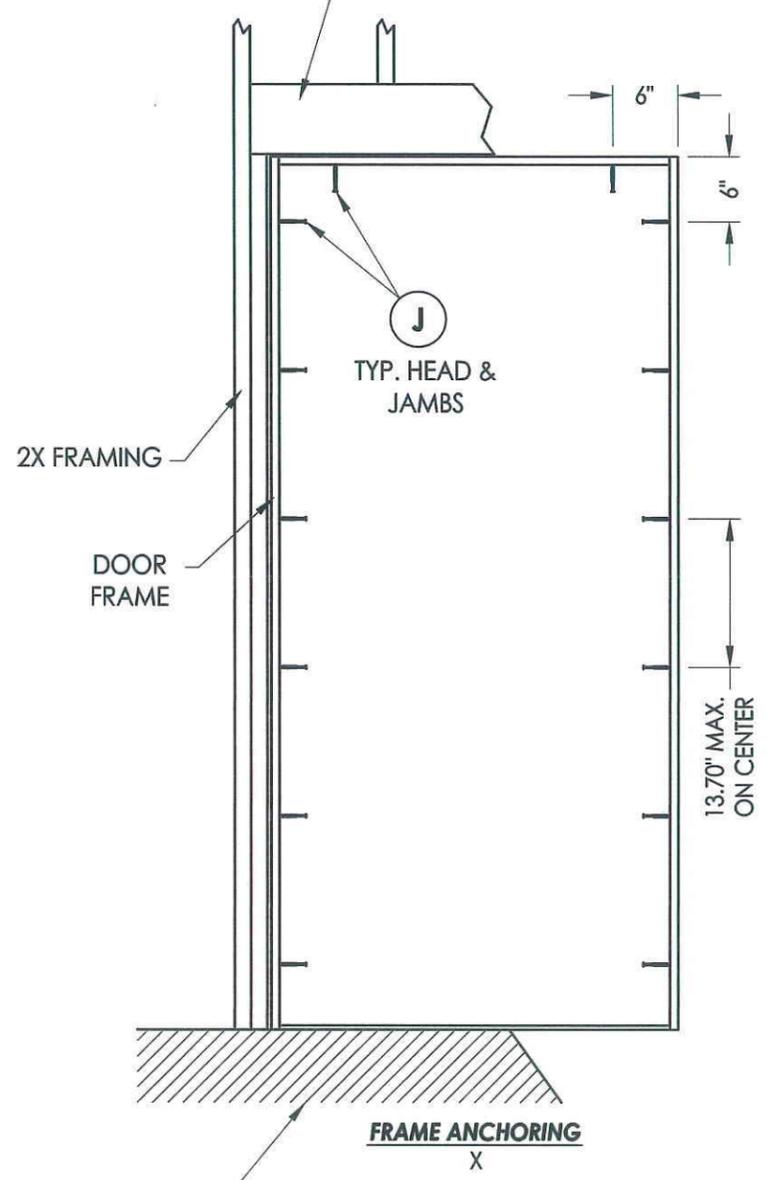
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 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		PLASTIPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISED LOCK HARDWARE	BY
1	11/18/10		LFS
REVISIONS			
DATE: 04/14/10			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4082			
SHEET 4 OF 6			

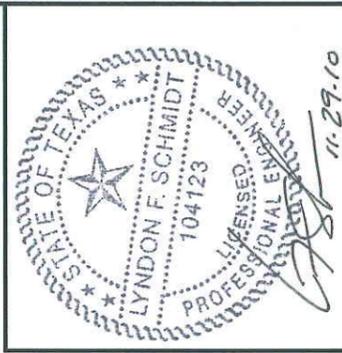
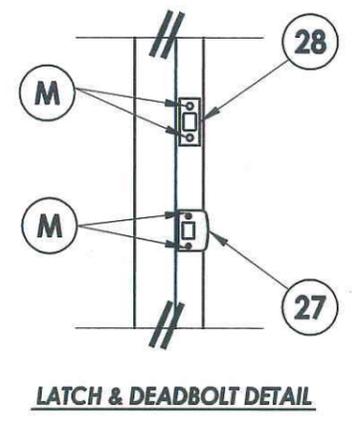
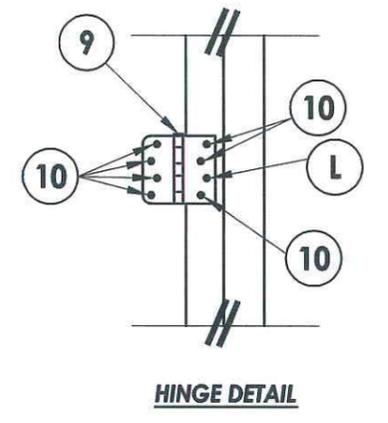
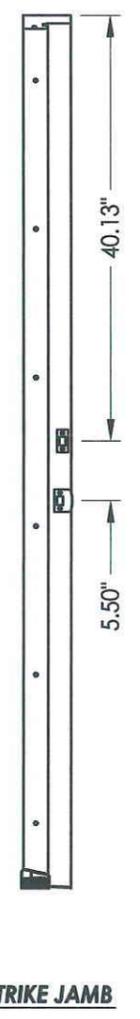
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2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED ON WIND LOADS AND THE CLADDING BEING USED.



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



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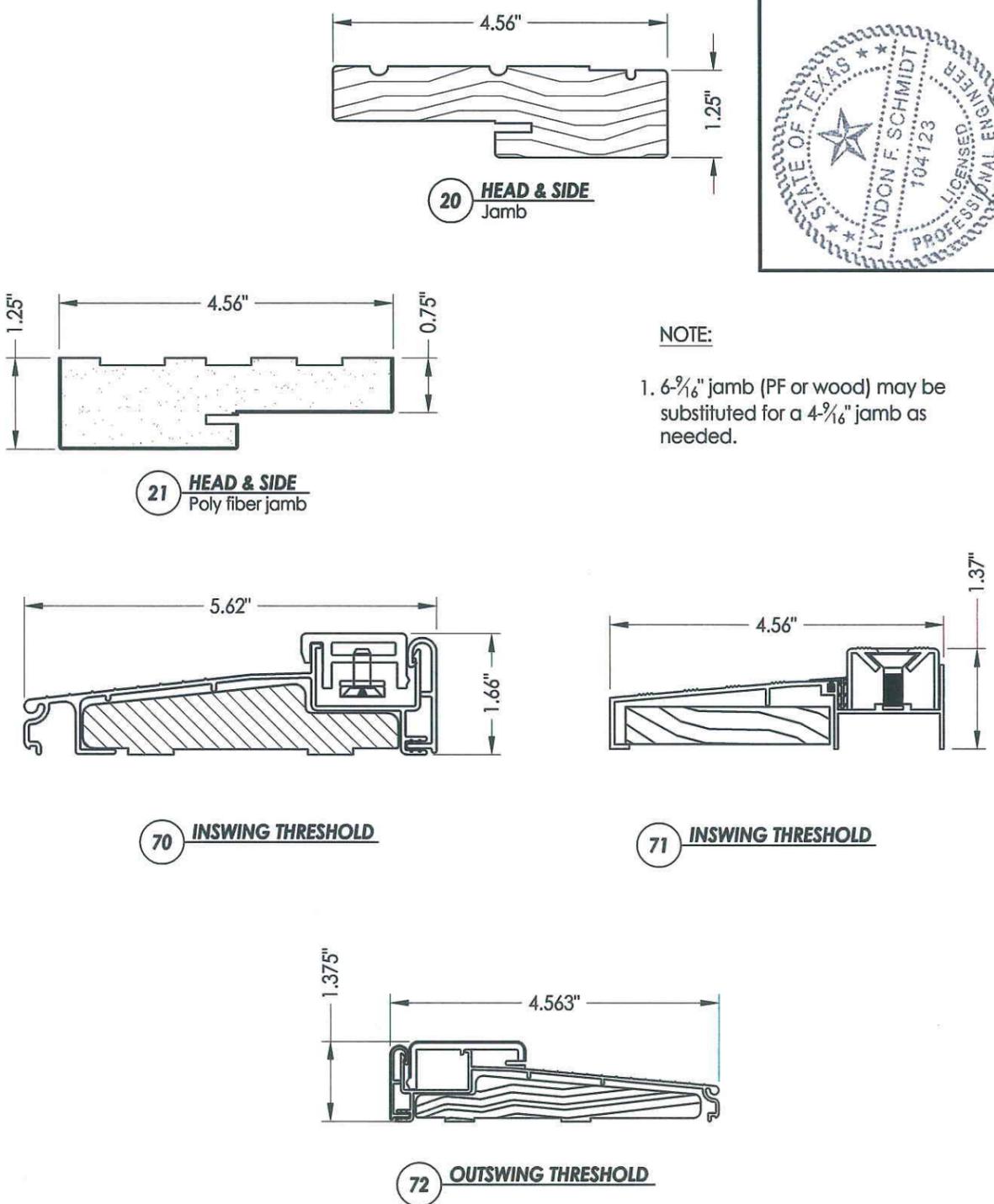
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		PLASTIPRO FIBERGLASS DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING	
NO.	DATE	BY	REVISIONS
1	11/18/10	LFS	REVISED LOCK HARDWARE
DATE: 04/14/10			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: TX-4082			
SHEET 5 OF 6			

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	2X HEADER FRAMING SG >= 0.42	WOOD
B	2X FRAMING SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
J	#10 X 3" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL
M	#8 X 2-1/2" PFH WOOD SCREW	STEEL
5	#10 X 3" PFH SCREW	STEEL
6	SEALANT	SILICONE
7	WEATHERSTRIP BY Q-LON	FOAM
9	4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
20	JAMB FINGER - JOINT - PINE (SG >= 0.42)	WOOD
21	POLY FIBER JAMB	POLY FIBER
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT PLATE	STEEL
30	DOOR SWEEP	ALUM.
35	TRIM	WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
66	#10 X 1-1/2" PFH SCREW	STEEL
70	INSWING THRESHOLD BY DLP	ALUM. / WOOD
71	INSWING THRESHOLD BY DLP	ALUM. / WOOD
72	OUTSWING THRESHOLD BY DLP	ALUM. / WOOD



NOTE:
1. 6-9/16" jamb (PF or wood) may be substituted for a 4-9/16" jamb as needed.

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. 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.
3. 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"

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PRODUCT: PLASTIPRO FIBERGLASS DOOR

PART OR ASSEMBLY: COMPONENTS, MULTI-POINT LOCK DETAILS & B.O.M.

NO.	DATE	REVISIONS
1	11/18/10	REVISED LOCK HARDWARE

DATE: 04/14/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4082
SHEET 6 OF 6