

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

20 MIN. FIRE RATED FIBERGLASS DOOR IN SWING / OUT SWING "IMPACT"

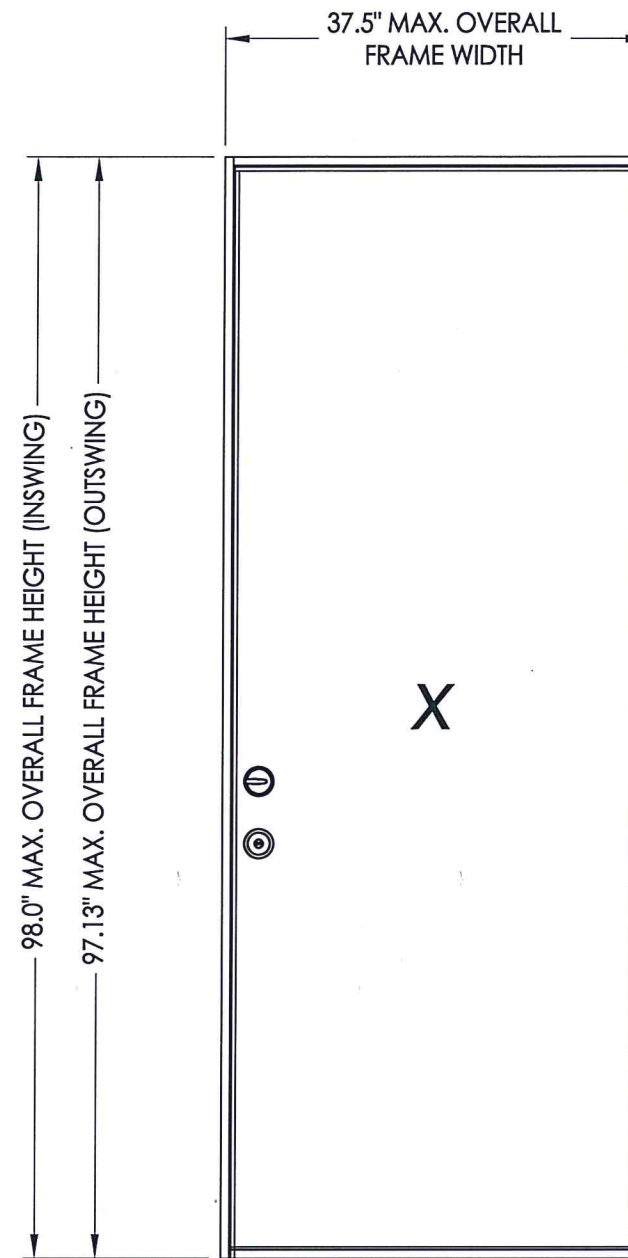
EVALUATED FOR USE IN THE STATE OF TEXAS

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. This system has been tested and evaluated as a large missile impact protective system for installation in areas that require wind borne debris protection. This product meets missile level "D" as defined in ASTM E 1996.
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. 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 IBC/IRC requirements for fire ratings.
5. Conditions not covered by this drawing are subject to further engineering analysis.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Bill of materials & components



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

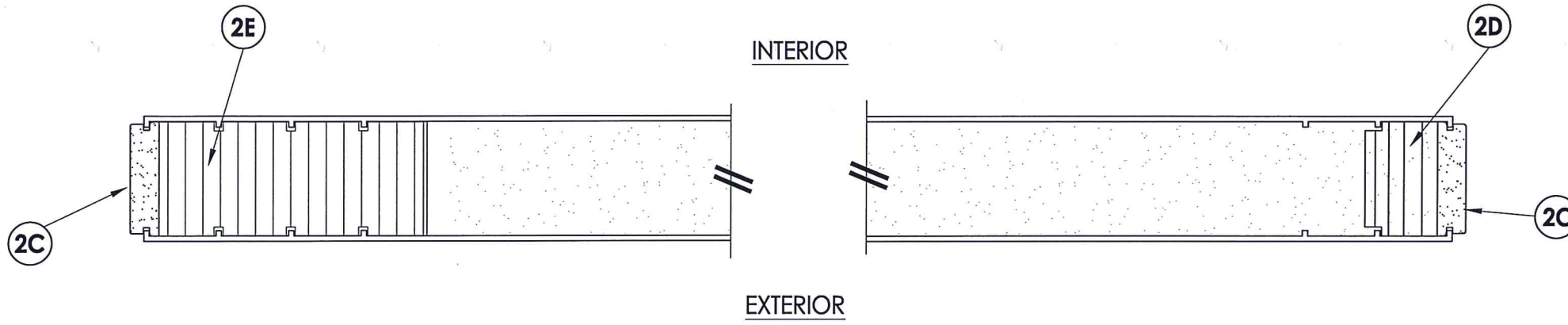
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

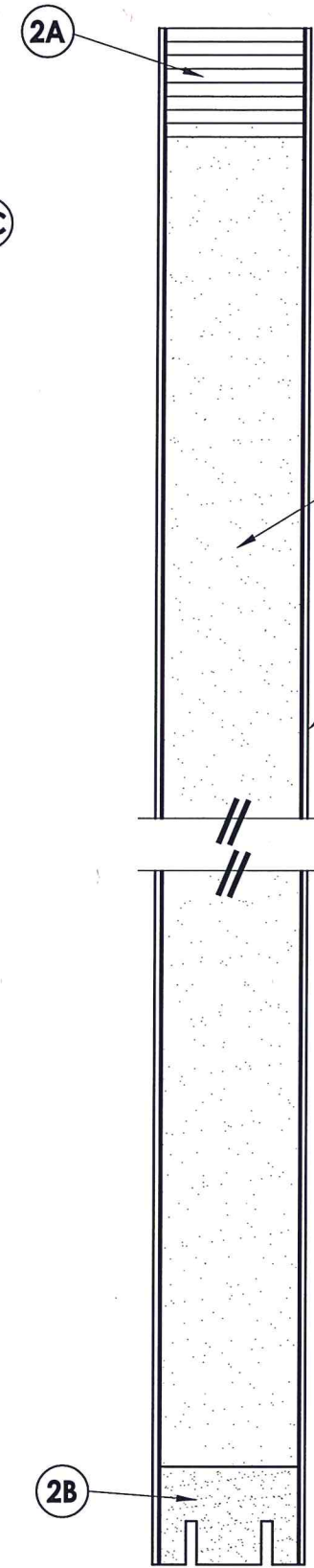
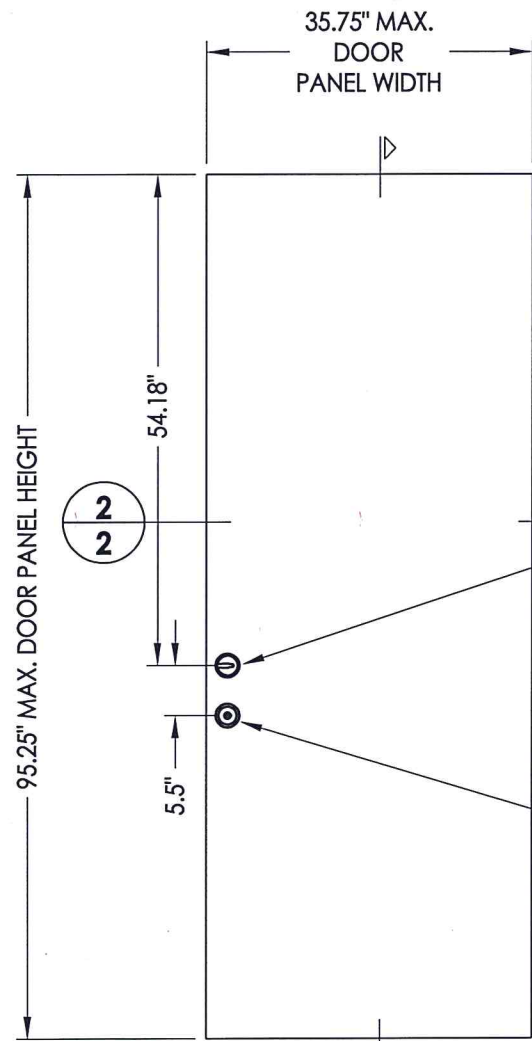
NO.	DATE	DESCRIPTION	BY
1	5/04/20	UPDATE TO 2018 IBC/IRC CODE	LFS
REVISIONS			

DATE: 5/09/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4149
SHEET 1 OF 6

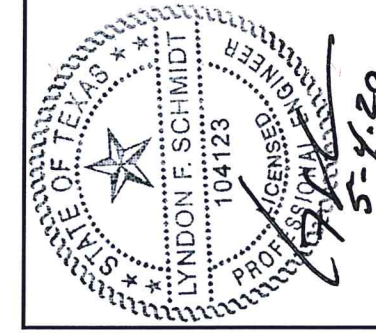
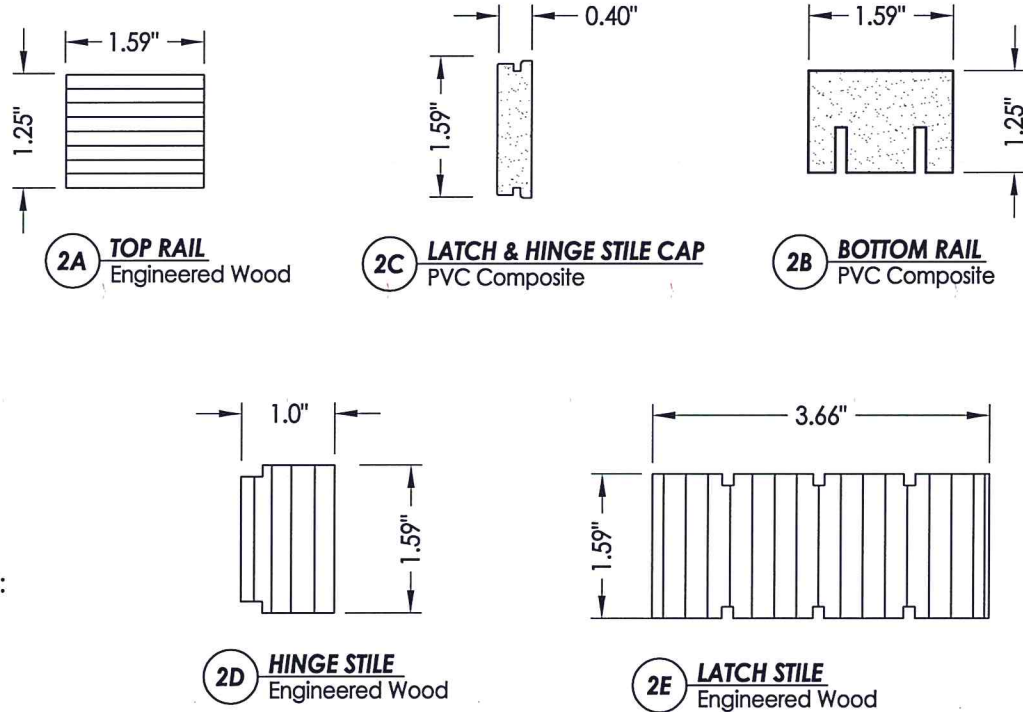
CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98.0"	+65.0	-65.0	+65.0	-65.0



2 HORIZONTAL CROSS SECTION



1 VERTICAL CROSS SECTION



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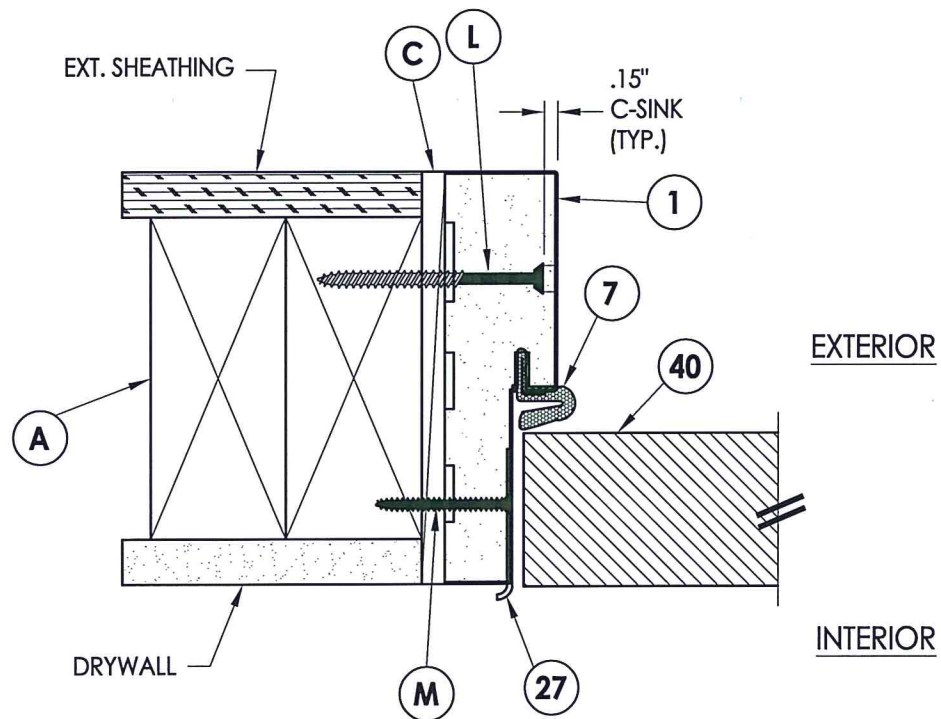
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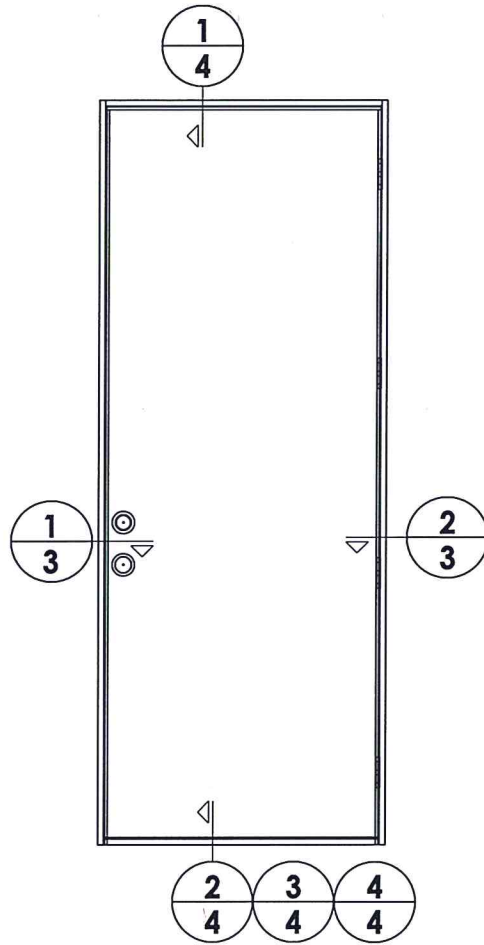
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	DESCRIPTION	LFS	BY
1	5/04/20	UPDATE TO 2018 IBC/IRC CODE	LFS	BY

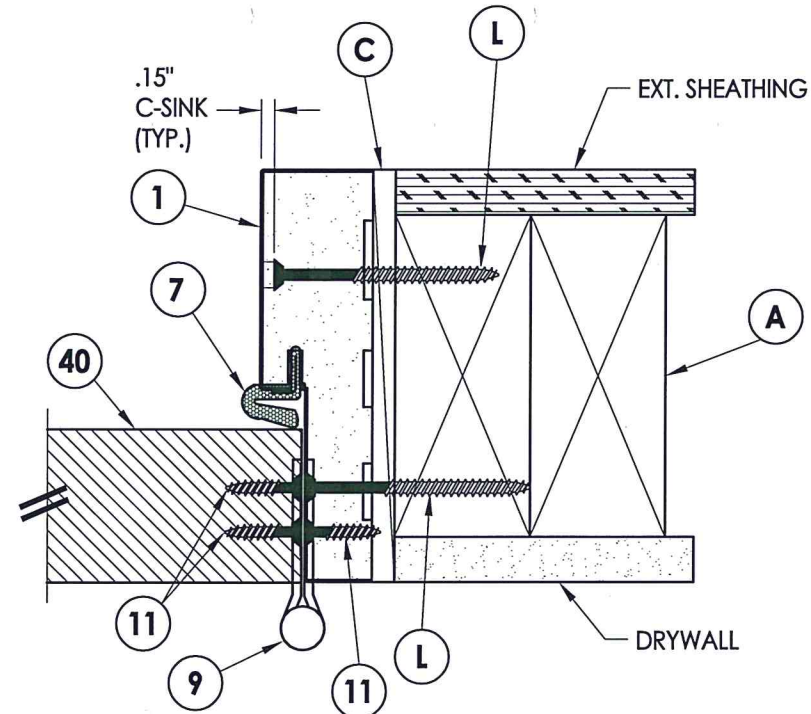
DATE: 5/09/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4149
SHEET 2 OF 6



1 **HORIZONTAL CROSS SECTION**
3 Inswing shown - Outswing also approved



EXTERIOR
 INTERIOR



2 **HORIZONTAL CROSS SECTION**
3 Inswing shown - Outswing also approved



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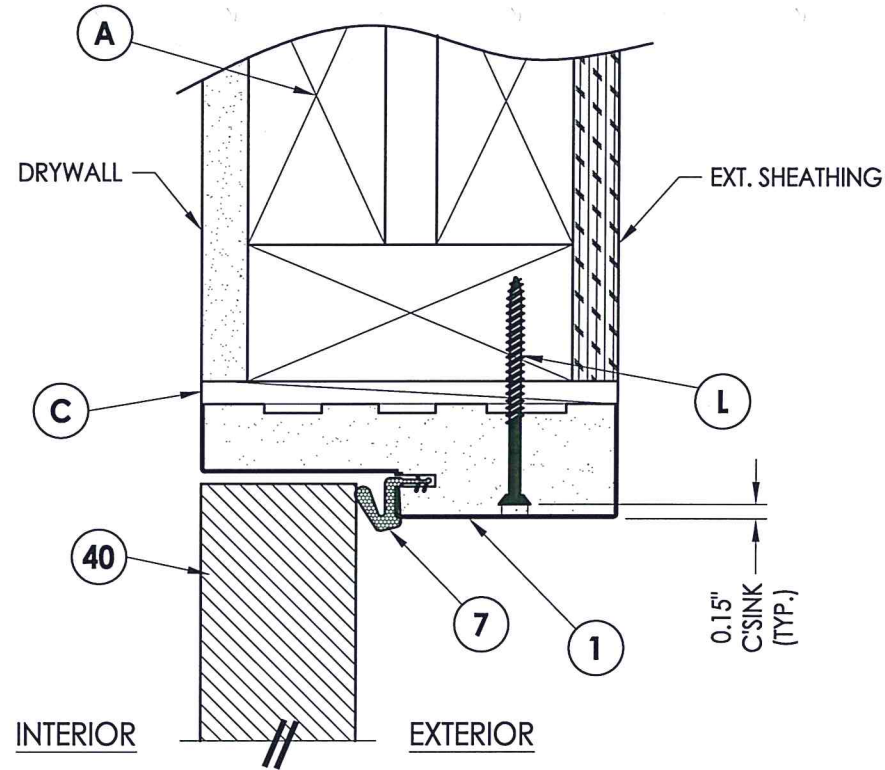
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.659.9197
 TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

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

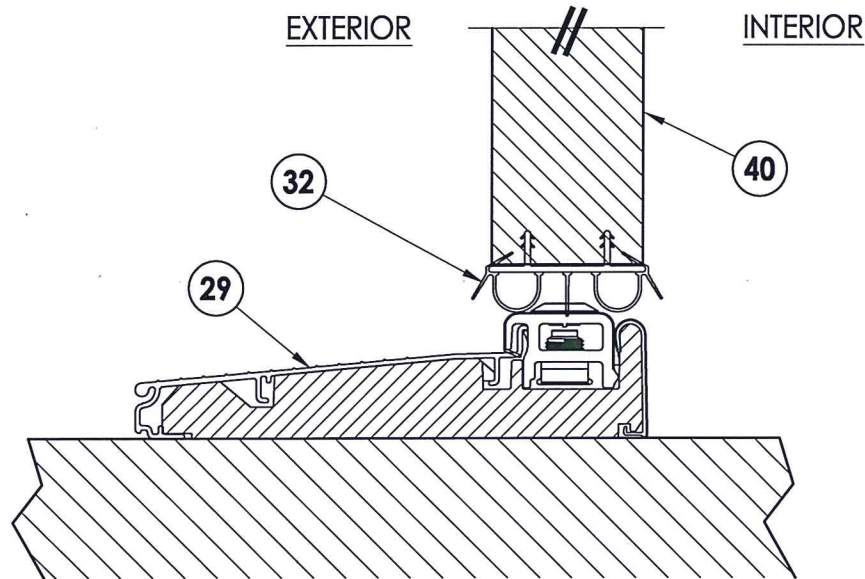
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DATE: 5/09/12
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4149
 SHEET 3 OF 6

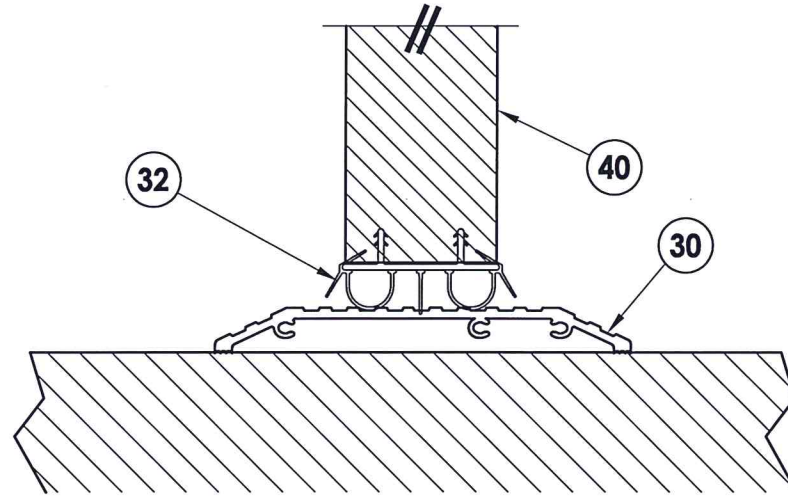
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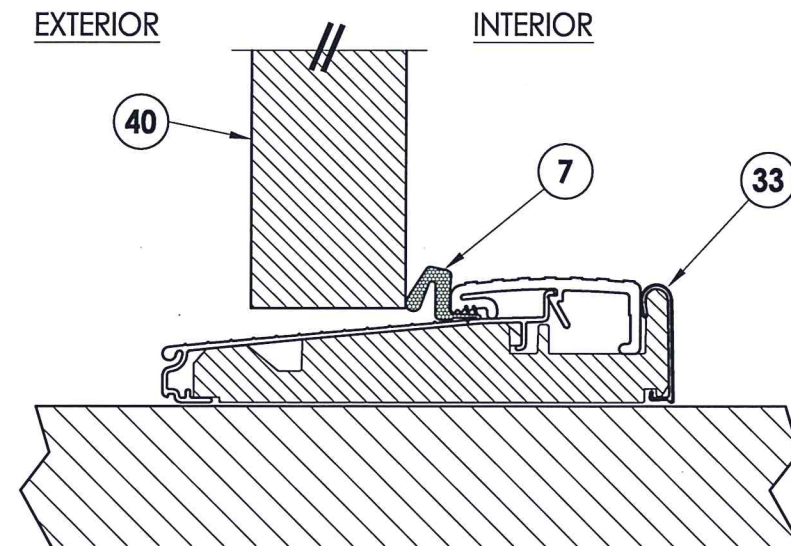
1 VERTICAL CROSS SECTION
4 Inswing shown - Outswing also approved



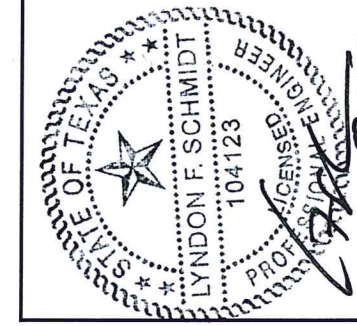
2 VERTICAL CROSS SECTION
4 Inswing configuration



3 VERTICAL CROSS SECTION
4 Shown w/ ADA threshold



4 VERTICAL CROSS SECTION
4 Outswing configuration



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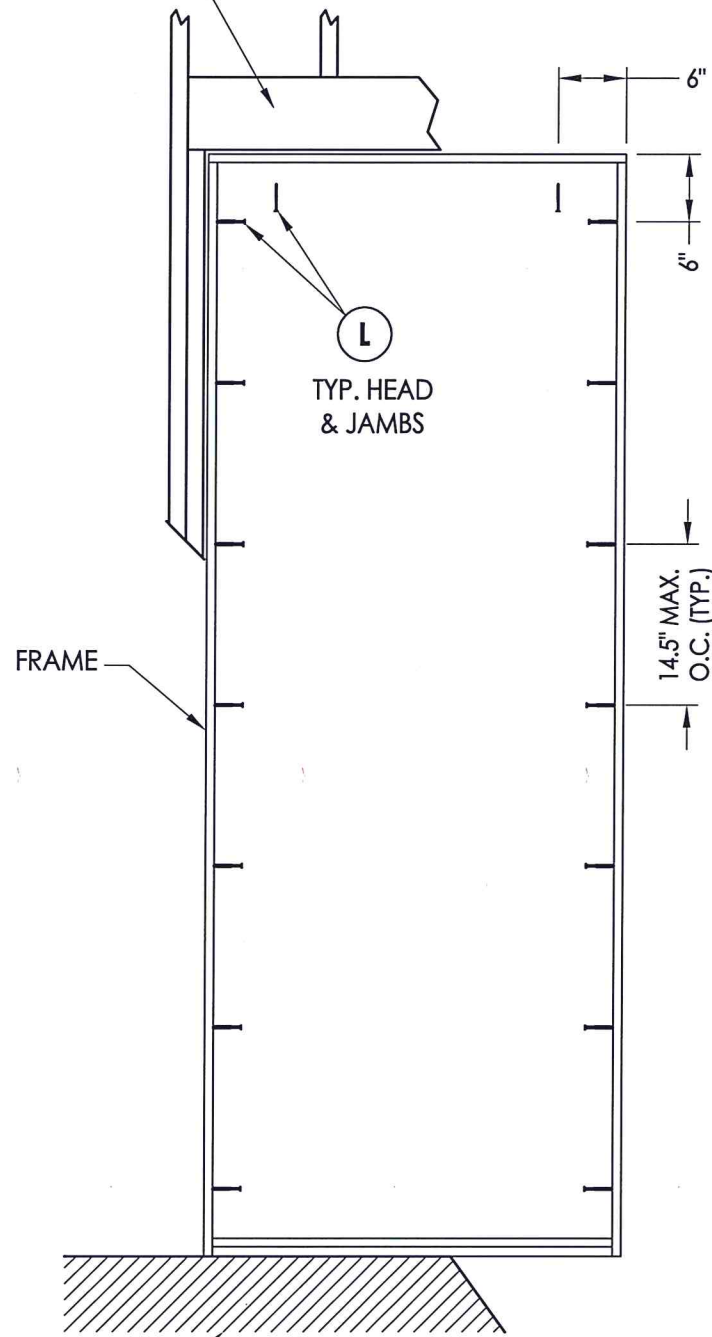
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	DESCRIPTION	BY
1	5/04/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 5/09/12
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
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 SHEET 4 OF 6

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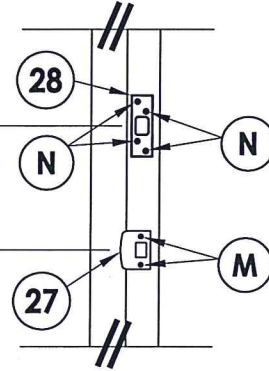
2X FRAMING TO BE DESIGNED
BY THE ENGINEER OR
ARCHITECT OF RECORD



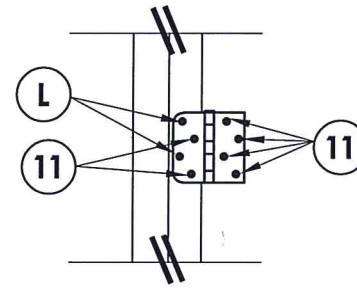
FLOOR SUBSTRATE MATERIAL
CONCRETE (MIN. 3000 PSI)
WOOD (G >= 0.42)

FRAME ANCHORING

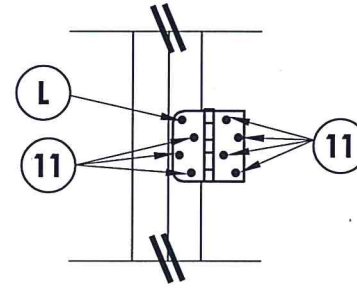
55.06" FROM
TOP OF FRAME



LATCH & DEADBOLT DETAIL



9 HINGE DETAIL - 1
Hinge (2) located @ 6-7/16" and 32-9/16"
from top of door slab to top of hinge



9 HINGE DETAIL - 2
Hinge (2) located @ 58-5/8" and 84-13/16"
from top of door slab to top of hinge



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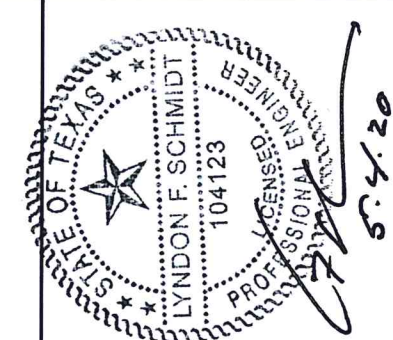
PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK AND FRAME ANCHORING

NO.	DATE	DESCRIPTION	BY
1	5/04/20	UPDATE TO 2018 IBC/IRC CODE	LFS
REVISIONS			

DATE: 5/09/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4149
SHEET 5 OF 6

BILL OF MATERIALS

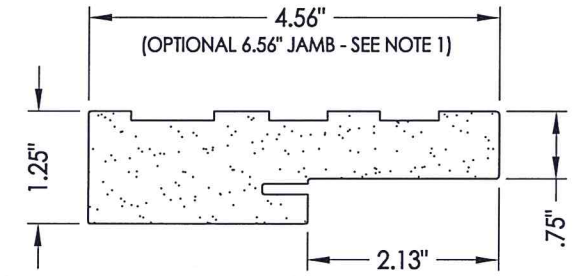
ITEM #	DESCRIPTION	MATERIAL
A	2X FRAMING (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#8 X 1-1/2" PFH WOOD SCREW	STEEL
N	#8 X 3" PFH WOOD SCREW	STEEL
1	POLY FIBER JAMB	POLY FIBER
7	WEATHERSTRIP	FOAM
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
29	ADJUSTABLE INSWING THRESHOLD	ALUM / COMP
30	ADA THRESHOLD	ALUM
32	DOOR BOTTOM SWEEP	VINYL
33	OUTSWING THRESHOLD	ALUM / COMP
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-



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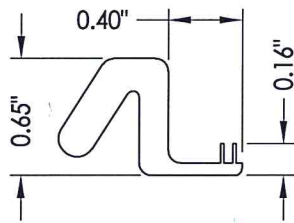
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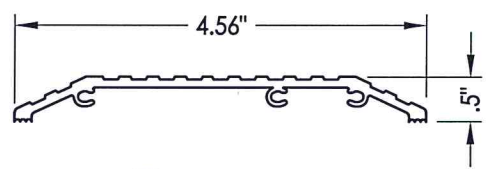


1 HEAD & SIDE JAMB
Poly Fiber

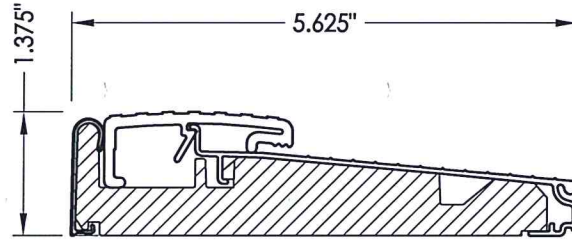
NOTE:
1. 6-3/16" jamb (PF or wood) may be substituted for a 4-9/16" jamb as needed.



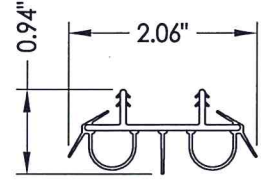
7 WEATHERSTRIP
Endura Force 5



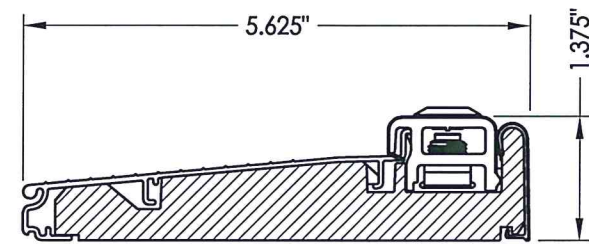
30 ADA THRESHOLD
DLP



33 OUTSWING THRESHOLD
Endura



32 DOOR BOTTOM SWEEP



29 ADJUSTABLE INSWING THRESHOLD
Endura

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CHK. BY: LFS			
DRAWING NO.: TX-4149			
SHEET 6 OF 6			