

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

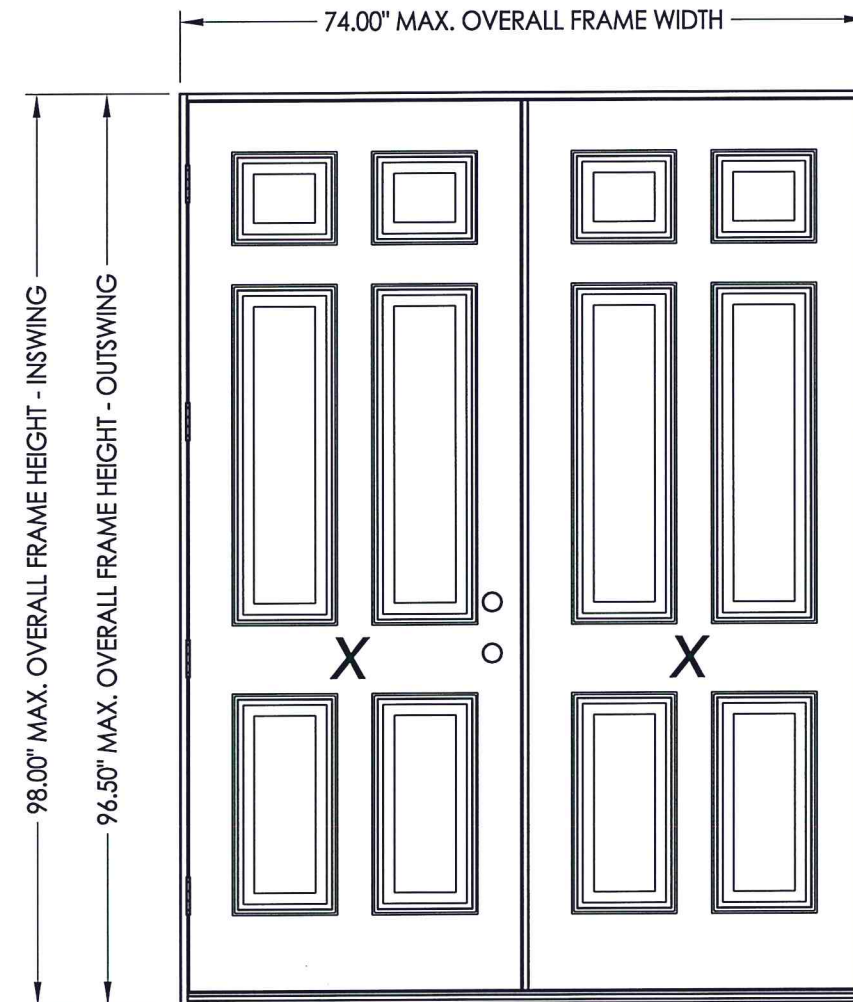
**Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany
Series N Fiberglass Door
INSWING / OUTSWING
"IMPACT"**

GENERAL NOTES

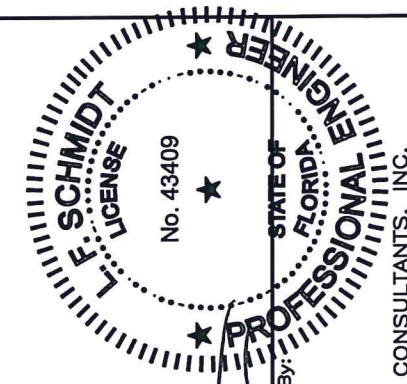
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and Section 1609.1.2.2 of the FBC.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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 - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Endura astragal details
8	Bill of materials & components



SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	74.00" x 98.00"	+45.0	-50.0
OUTSWING	74.00" x 96.50"	+45.0	-45.0

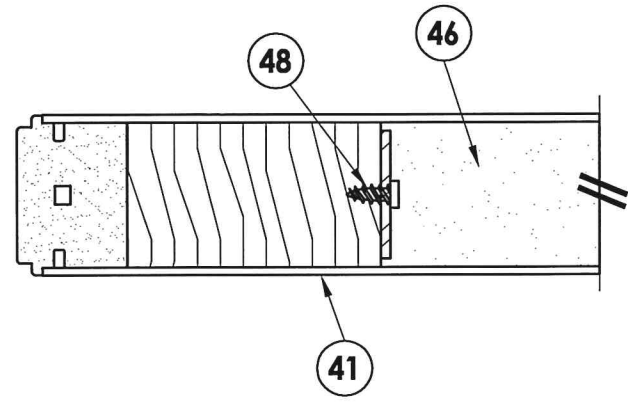
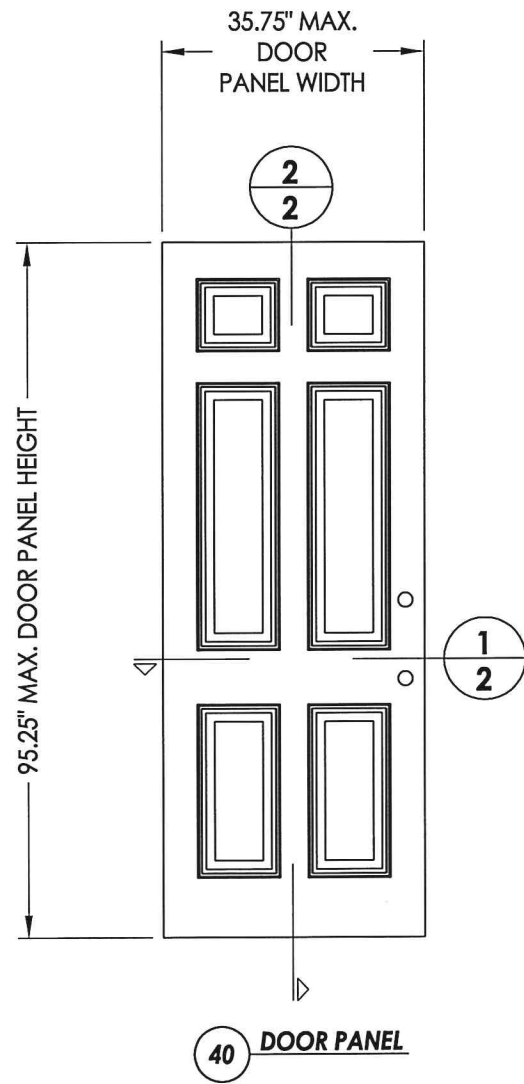


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

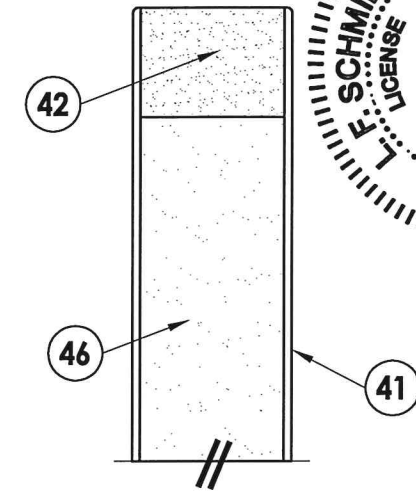
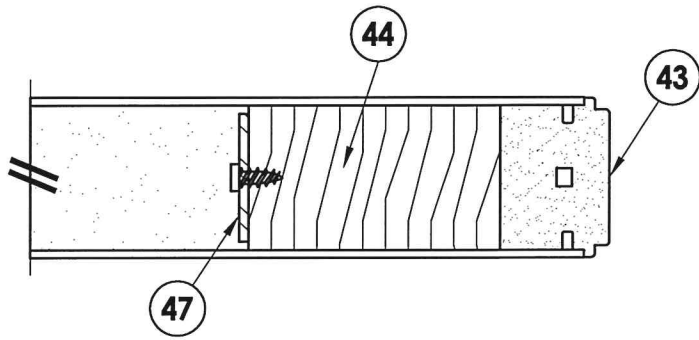
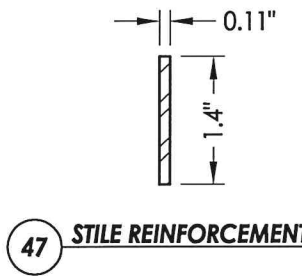
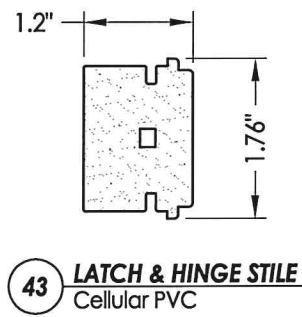
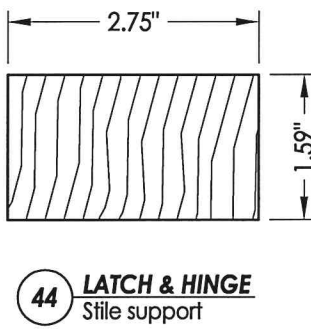
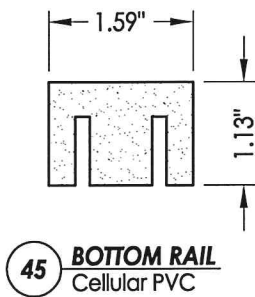
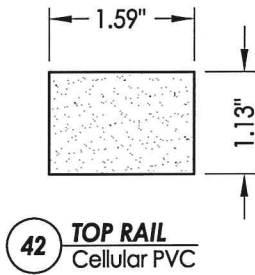
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	UPDATE TO 5TH ED. (2014) FBC	JK
			BY
REVISIONS			
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15213.24			
SHEET 1 OF 8			

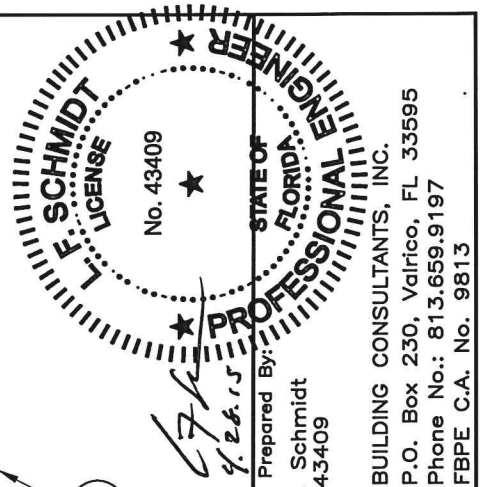
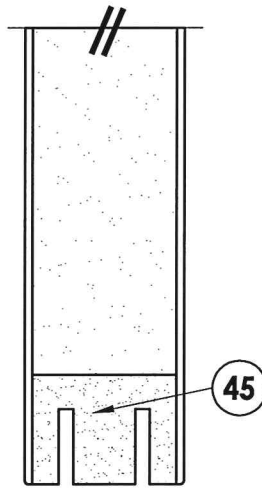
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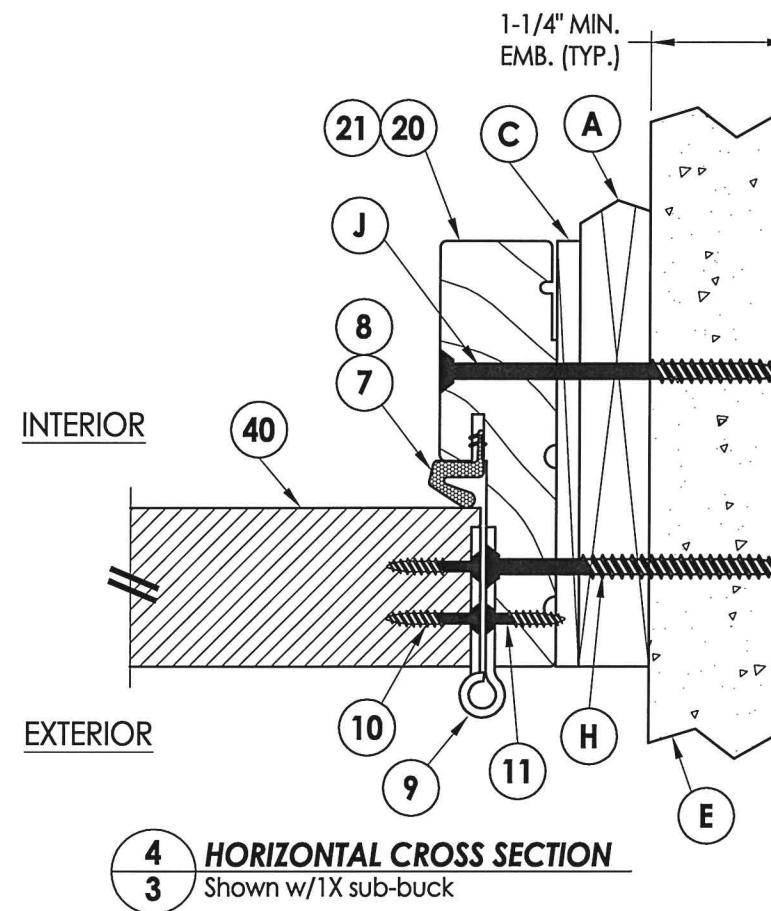
1
2 HORIZONTAL CROSS SECTION



2
2 VERTICAL CROSS SECTION

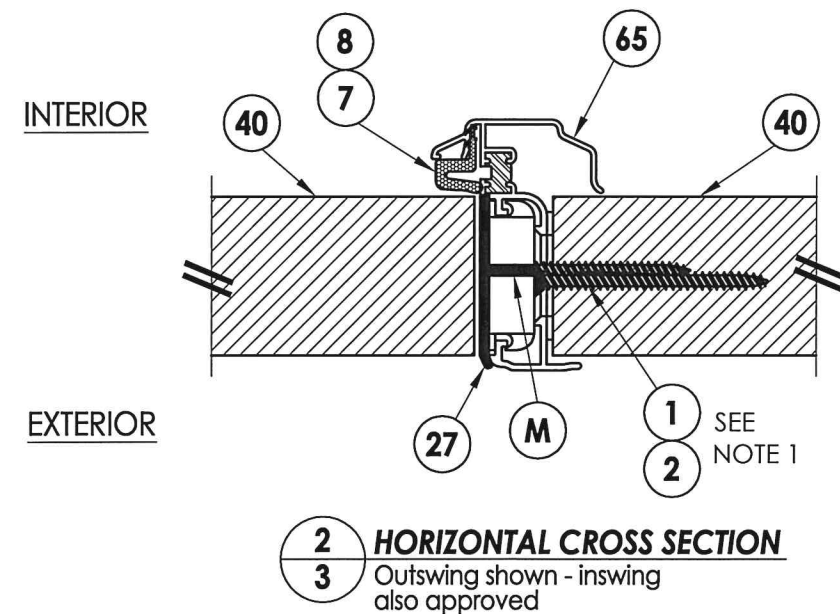


PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
DATE:		1 04/22/15	JK
NO.		DATE	BY
DATE:		02/16/12	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-15213.24	
SHEET		2	OF 8

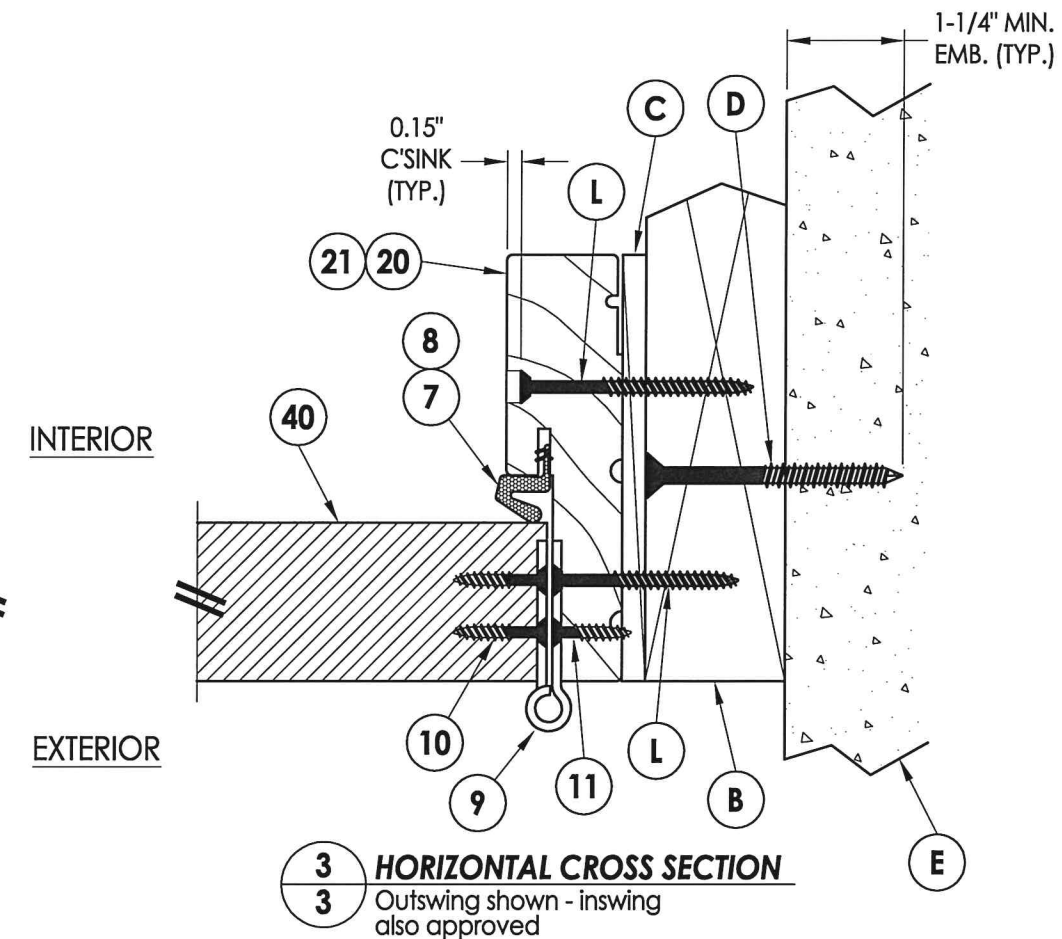


4 HORIZONTAL CROSS SECTION
3 Shown w/1X sub-buck

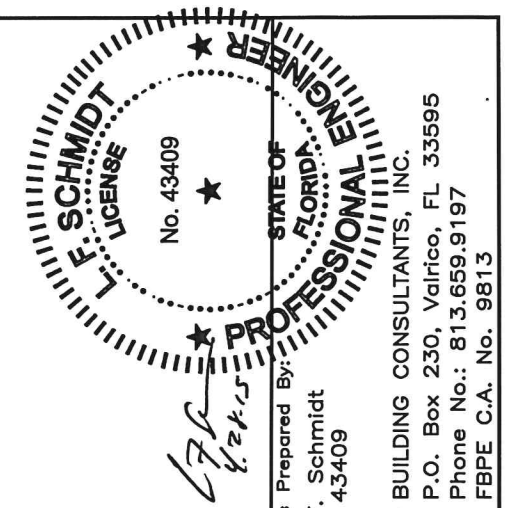
1. As noted in the test report astragal was attached to the inactive leaf with (11) #8 x 3" psh sms and (6) #10 x 2-1/2" pfh sms for all 8'-0" (outswing). Astragal was attached to the inactive leaf with (13) #8 x 3" psh sms and (6) #10 x 2-1/2" pfh sms for all 8'-0" (inswing).



2 HORIZONTAL CROSS SECTION
3 Outswing shown - inswing
 also approved



3 HORIZONTAL CROSS SECTION
3 Outswing shown - inswing
 also approved



Documents Prepared By
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FBPE C.A. No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

HORIZONTAL CROSS SECTIONS

REVISIONS

DATE: 02/16/12

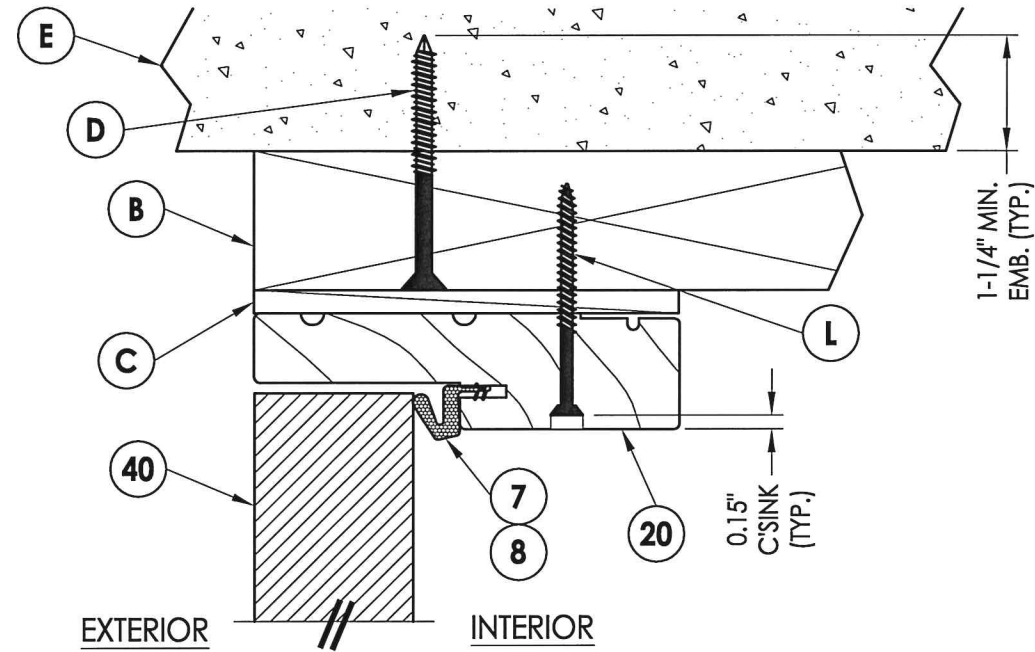
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DWG. BY: JK

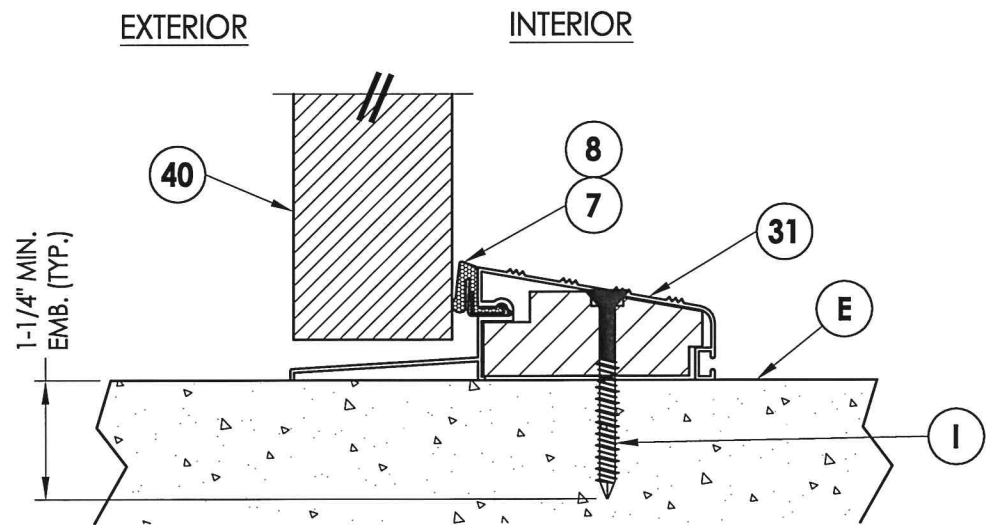
CHK. BY: LFS

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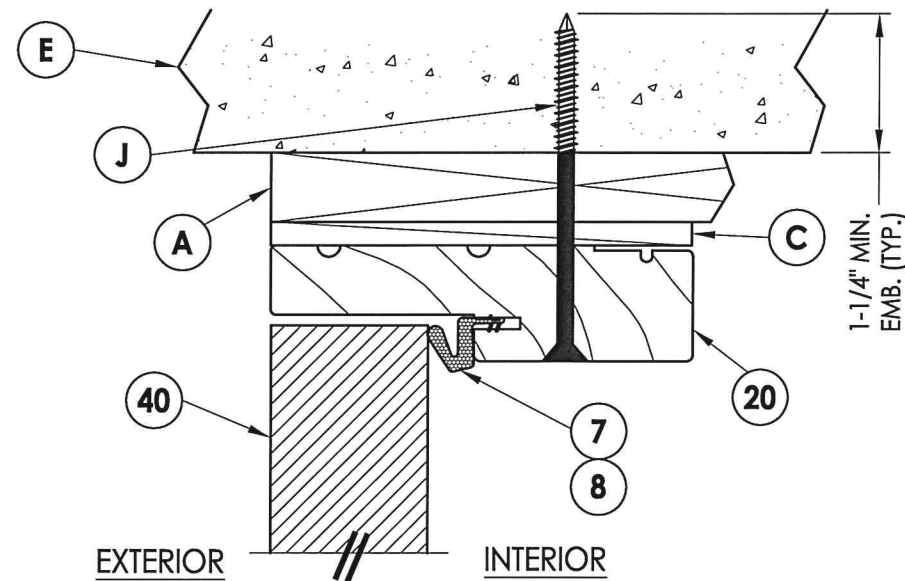
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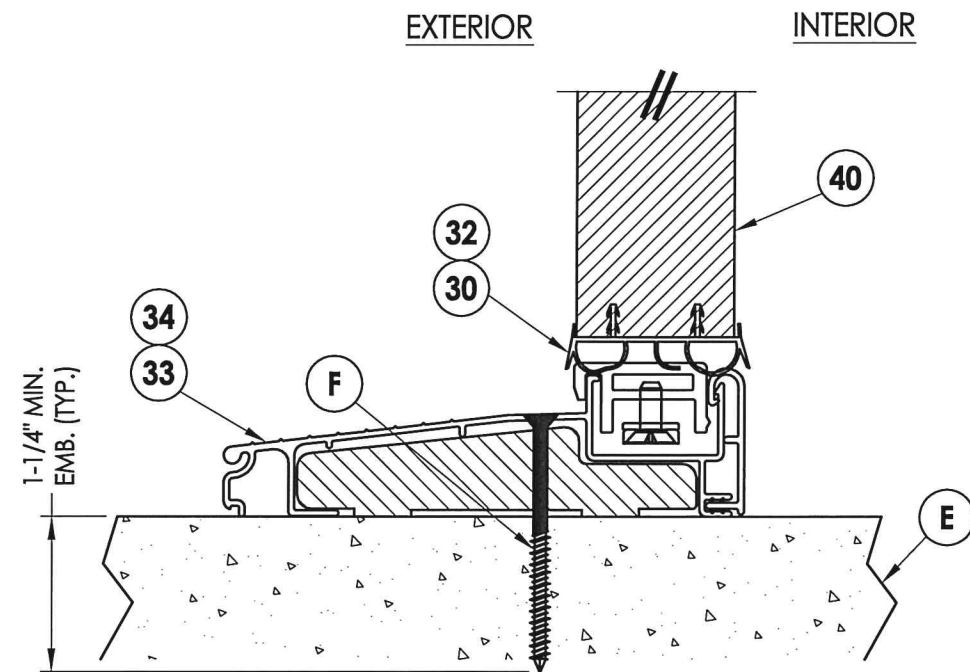
1
4 **VERTICAL CROSS SECTION**
Outswing shown - inswing
also approved



3
4 **VERTICAL CROSS SECTION**
Outswing configuration



2
4 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



4
4 **VERTICAL CROSS SECTION**
Inswing configuration

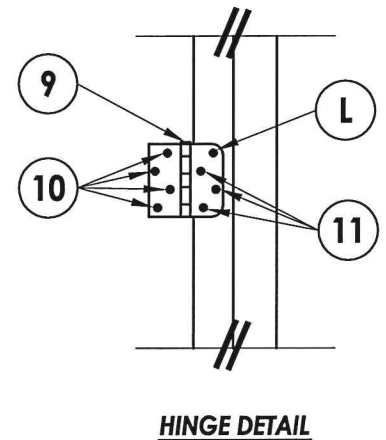
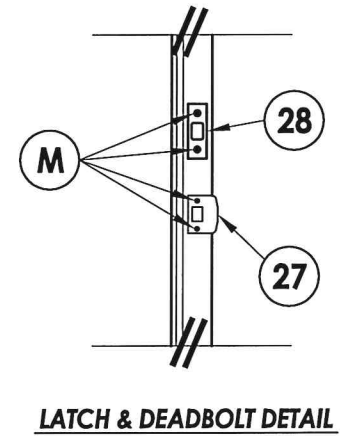
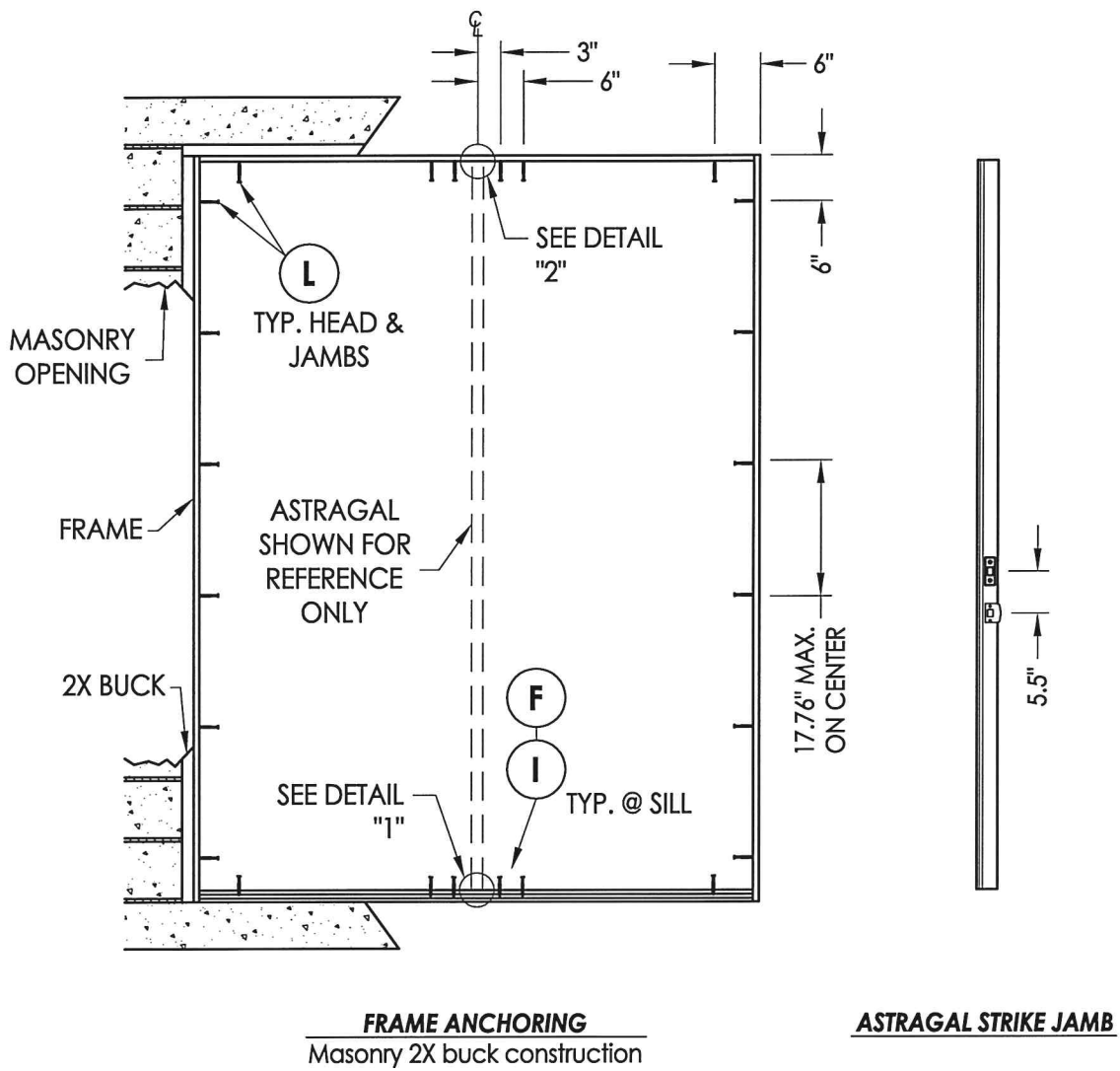
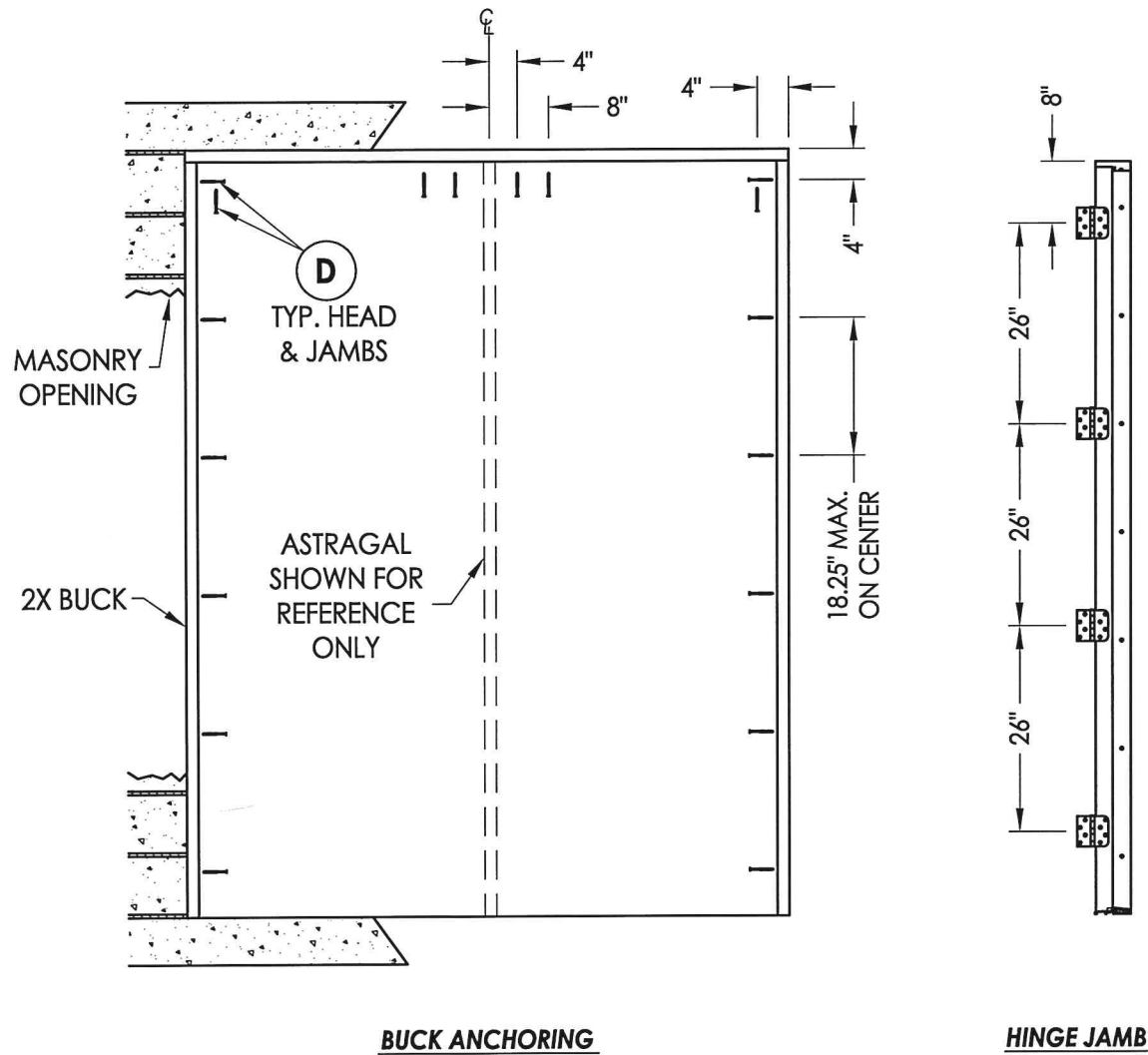
F. SCHMIDT
LICENSE
No. 43409
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	UPDATE TO 5TH ED. (2014) FBC	JK BY
REVISIONS			
DATE: 02/16/12 SCALE: N.T.S. DWG. BY: JK CHK. BY: LFS DRAWING NO.: FL-15213.24 SHEET 4 OF 8			

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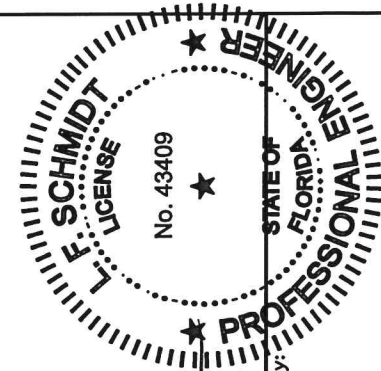
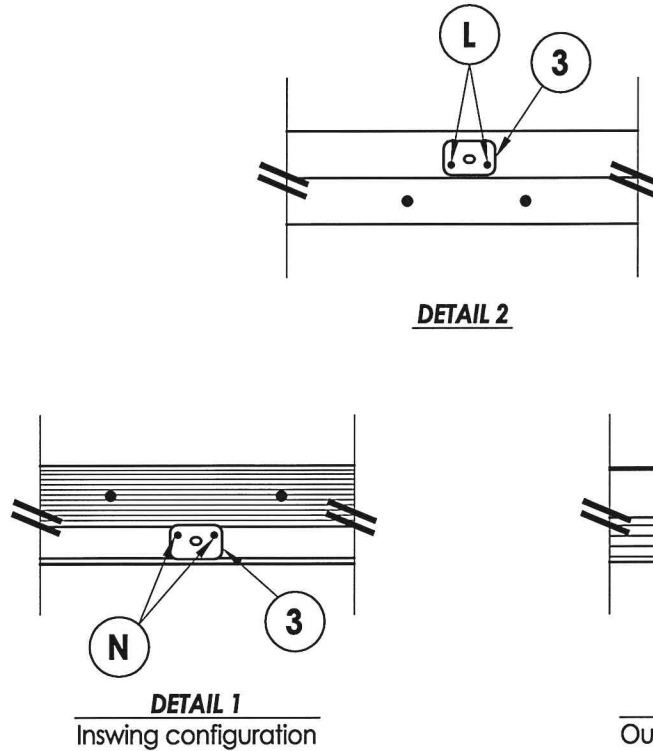
CONCRETE ANCHOR NOTES:

- 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.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

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



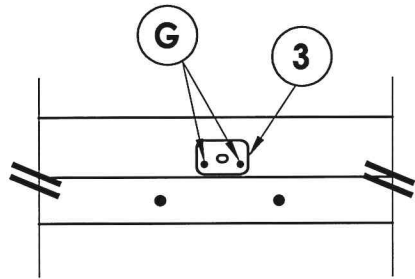
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION

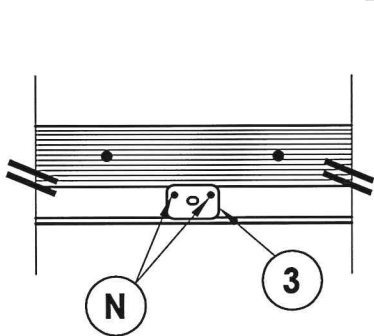
NO.	DATE	BY	JK
1	04/22/15	JK	FBC

DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15213.24
SHEET 5 OF 8

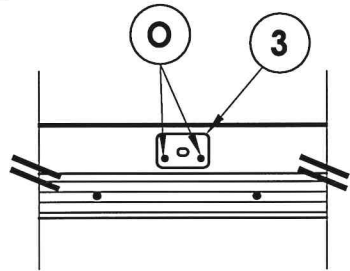
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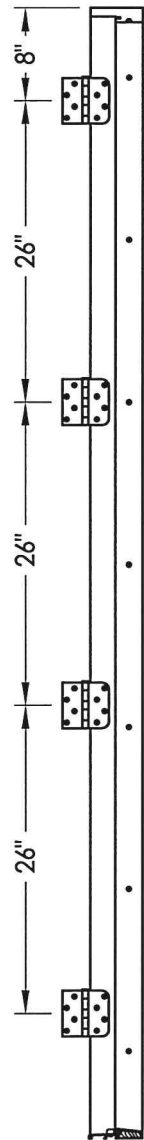
DETAIL 2



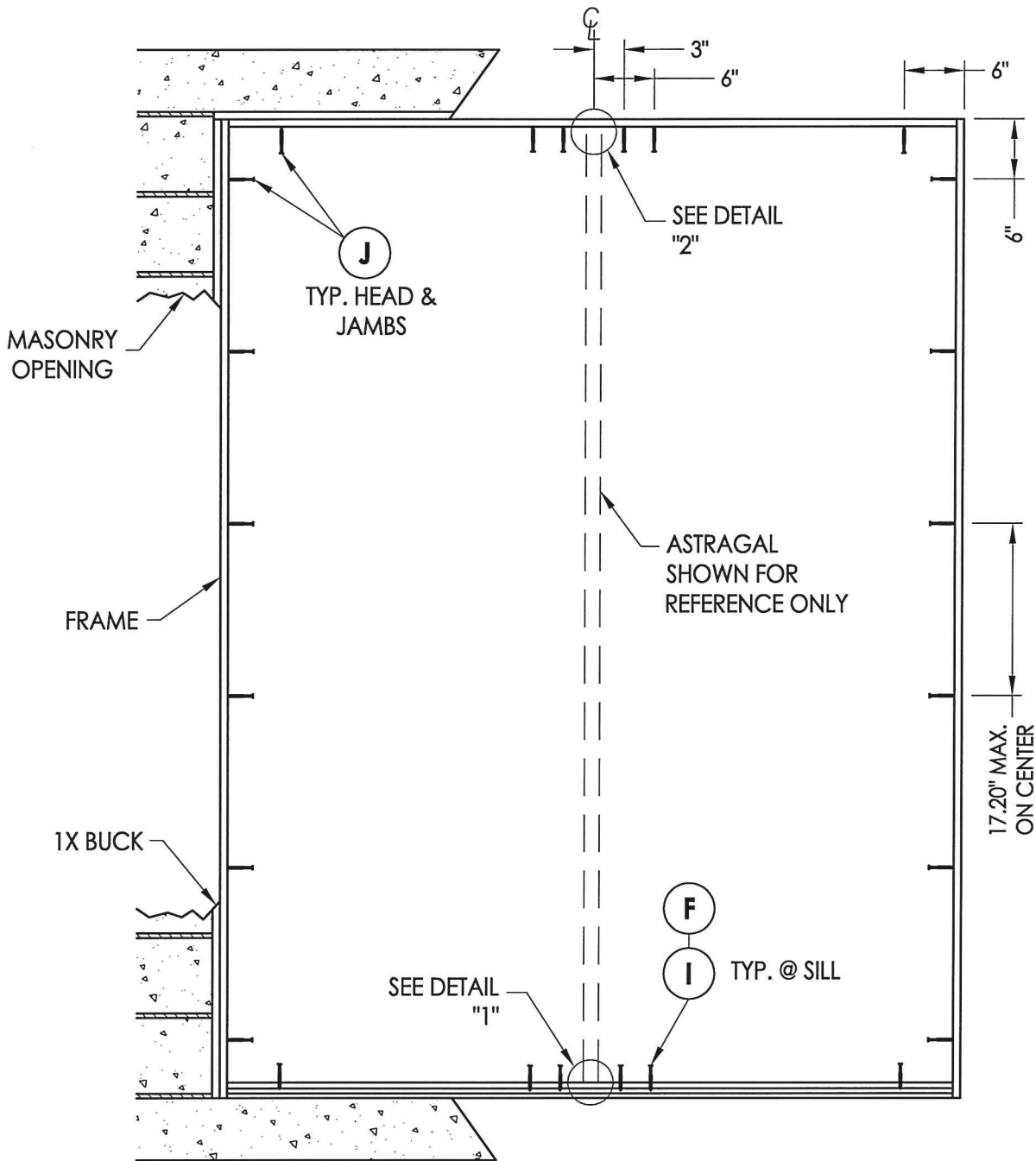
DETAIL 1
Inswing configuration



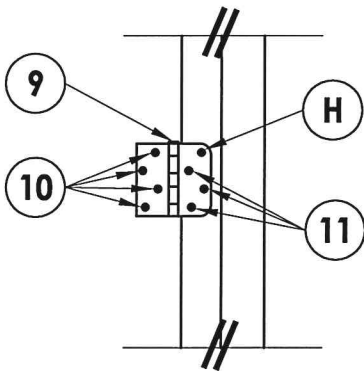
DETAIL 1
Outswing configuration



HINGE JAMB

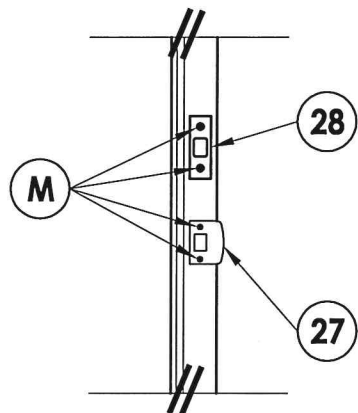


FRAME ANCHORING
Masonry 1X buck construction



HINGE DETAIL

ASTRAGAL STRIKE JAMB



LATCH & DEADBOLT DETAIL

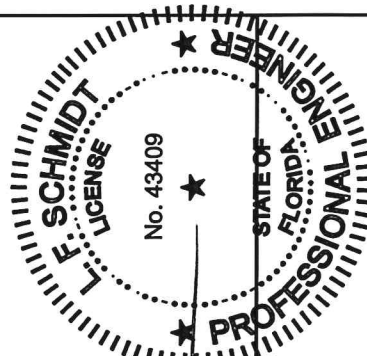
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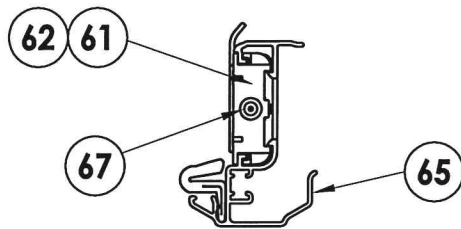
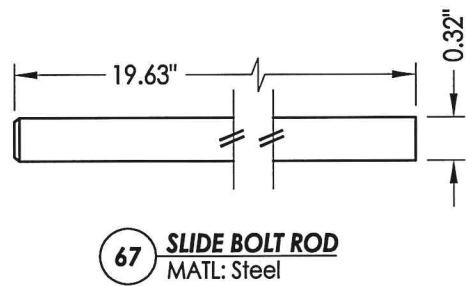
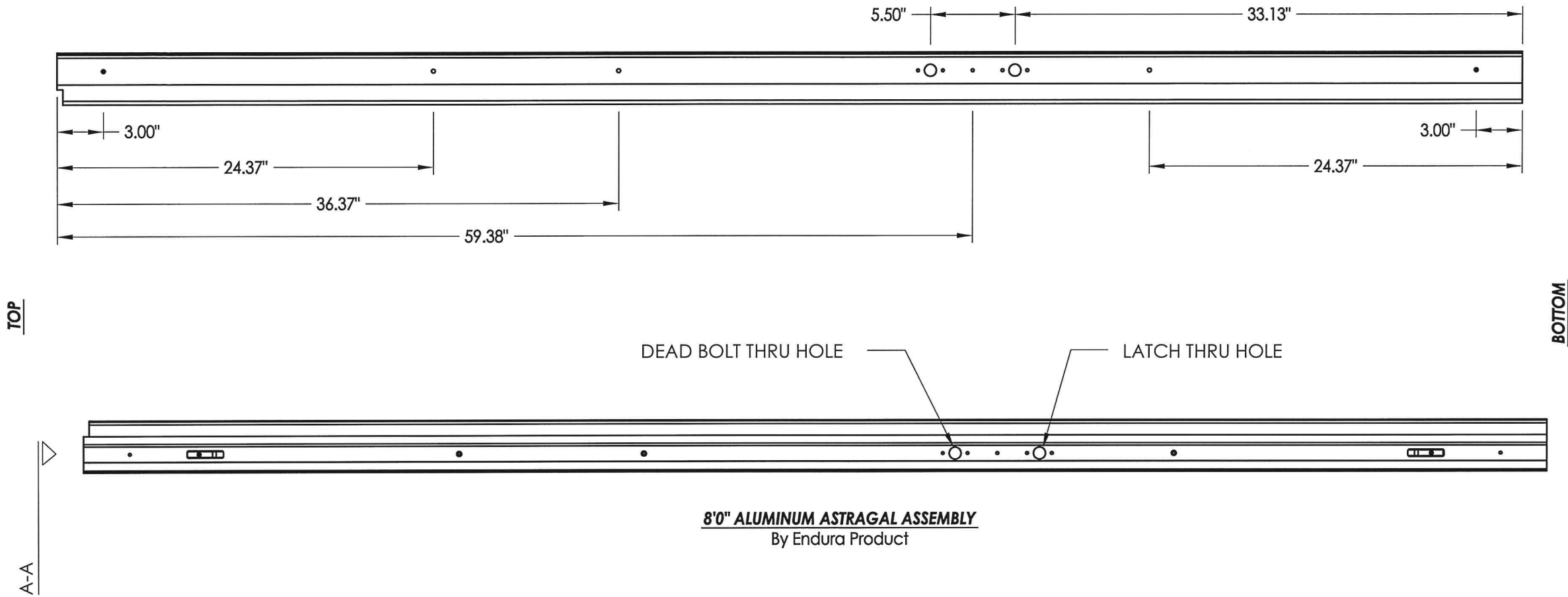
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

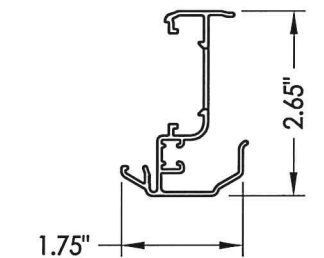
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR
PART OR ASSEMBLY:
FRAME ANCHORING 1X BUCK
MASONRY CONSTRUCTION

NO.	DATE	REVISIONS
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JK	BY	

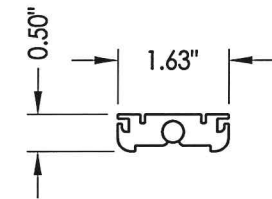
DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15213.24
SHEET 6 OF 8



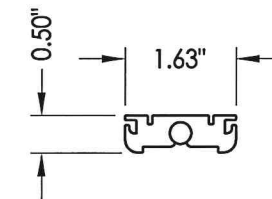
VIEW A-A
Aluminum Astragal Assembly



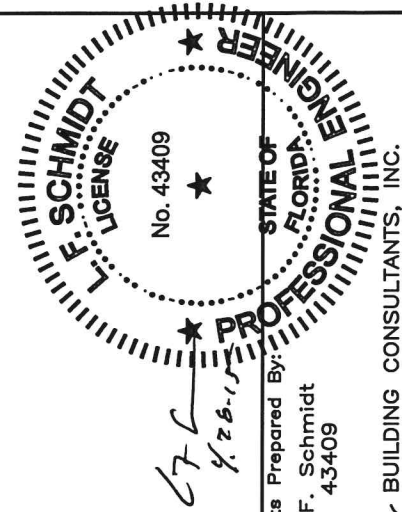
65 ALUMINUM ASTRAGAL
By Endura Product



61 TOP BOLT RETAINER
MATL: 9-3/4" Aluminum



62 **BOTTOM BOLT RETAINER**
MATL: 9-3/4" Aluminum



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P.E. No. 43409

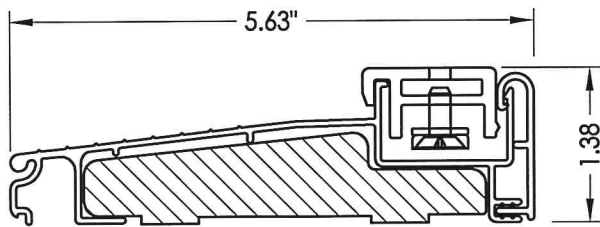
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	ENDURA ASTRAGAL DETAILS

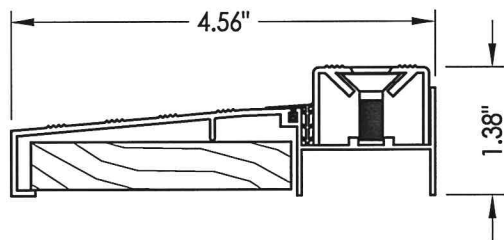
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK
	NO.	DATE		BY
				REVISIONS

DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15213.24
SHEET <u>7</u> OF <u>8</u>

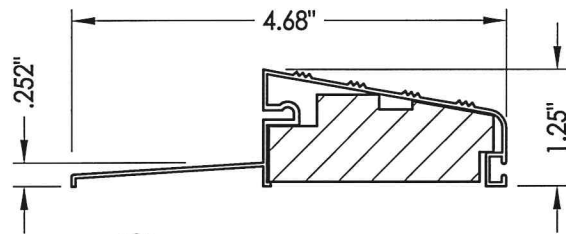
BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL
B	2X BUCK SG >= 0.55	WOOD	20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
C	1/4" MAX. SHIM SPACE	-	21	POLYFIBER JAMB	COMP. / VINYL
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL	27	LATCH STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28	DEADBOLT PLATE	STEEL
			30	WEATHER-STOP 3647 HOLM INDUSTRIES	VINYL
F	1/4" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL	31	OUTSWING BUMP THRESHOLD	ALUM. / WOOD
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL	32	VINYL DOOR BOTTOM SWEEP #3628 BY HOLM. IND.	VINYL
H	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL	33	INSWING ADJUSTABLE THRESHOLD BY ENDURA	ALUM. / WOOD
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL	34	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM. / WOOD
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL	40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL	41	DOOR SKIN (MIN. 0.086" THICK)	FIBERGLASS
M	#9 X 2-1/4" PFH WOOD SCREW	STEEL	42	TOP RAIL	CELLULAR PVC
N	3/16" X 3-1/2" PFH ITW CONCRETE SCREW	STEEL	43	LATCH & HINGE STILE	CELLULAR PVC
O	3/16" X 1-1/2" PFH ITW CONCRETE SCREW	STEEL	44	LATCH & HINGE STILE SUPPORT	WOOD
1	#10 X 2-1/2" PFH SMS	STEEL	45	BOTTOM RAIL	CELLULAR PVC
2	#8 X 3" PSH SMS	STEEL	46	POLYURETHANE FOAM BY NAN YA	POLYURETHANE
3	FLUSH BOLT STRIKE PLATE	STEEL	47	STILE REINFORCEMENT	STEEL
7	Q-LON 650 WEATHER STRIP SCHLEGEL	FOAM	48	REINFORCEMENT RETAINING SCREW	NYLON
8	COMPRESSION WEATHER STRIP QLON 650 BY SCHLEGEL	FOAM	61	9-3/4" LENGTH TOP BOLT RETAINER	ALUMINUM
9	4" X 4" BUTT HINGE	STEEL	62	9-3/4" LENGTH BOTTOM BOLT RETAINER	ALUMINUM
10	#9 X 3-1/2" PFH WOOD SCREW	STEEL	65	ASTRAGAL BY ENDURA PRODUCTS	ALUMINUM
11	#9 X 3/4" PFH WOOD SCREW	STEEL	67	SLIDE BOLT ROD	STEEL
17	KWIKSET KEYED ENTRY - SIGNATURE SERIES	STEEL			



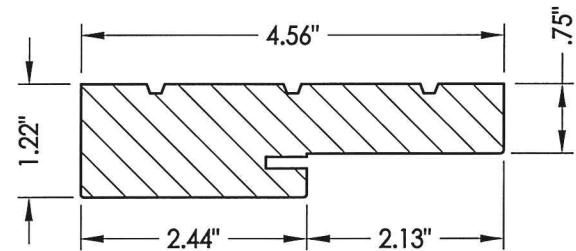
33 ADJUSTABLE INSWING THRESHOLD



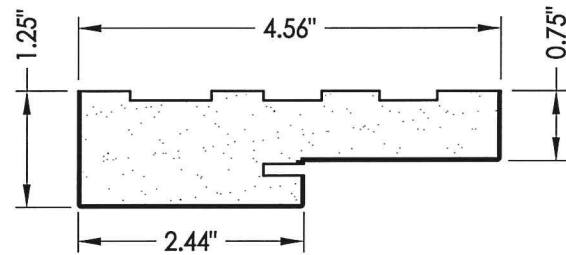
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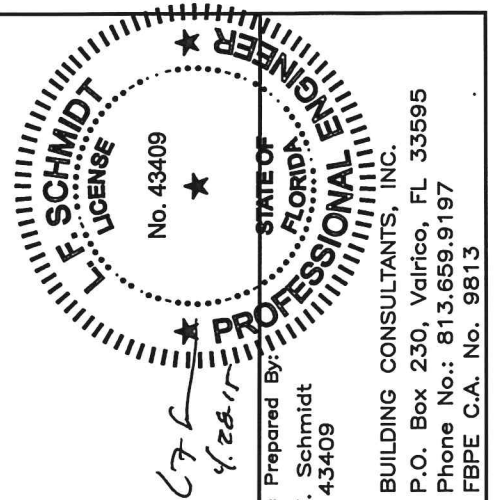
31 OUTSWING BUMP THRESHOLD



20 HEAD & SIDE
Jamb



21 **HEAD & SIDE**
Poly fiber jamb



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PLASTPRO INC.

ASSEMBLY:
**BILL OF MATERIALS
& COMPONENTS**

1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE	BY		
REVISIONS				

DATE:	02/16/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15213.24
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