



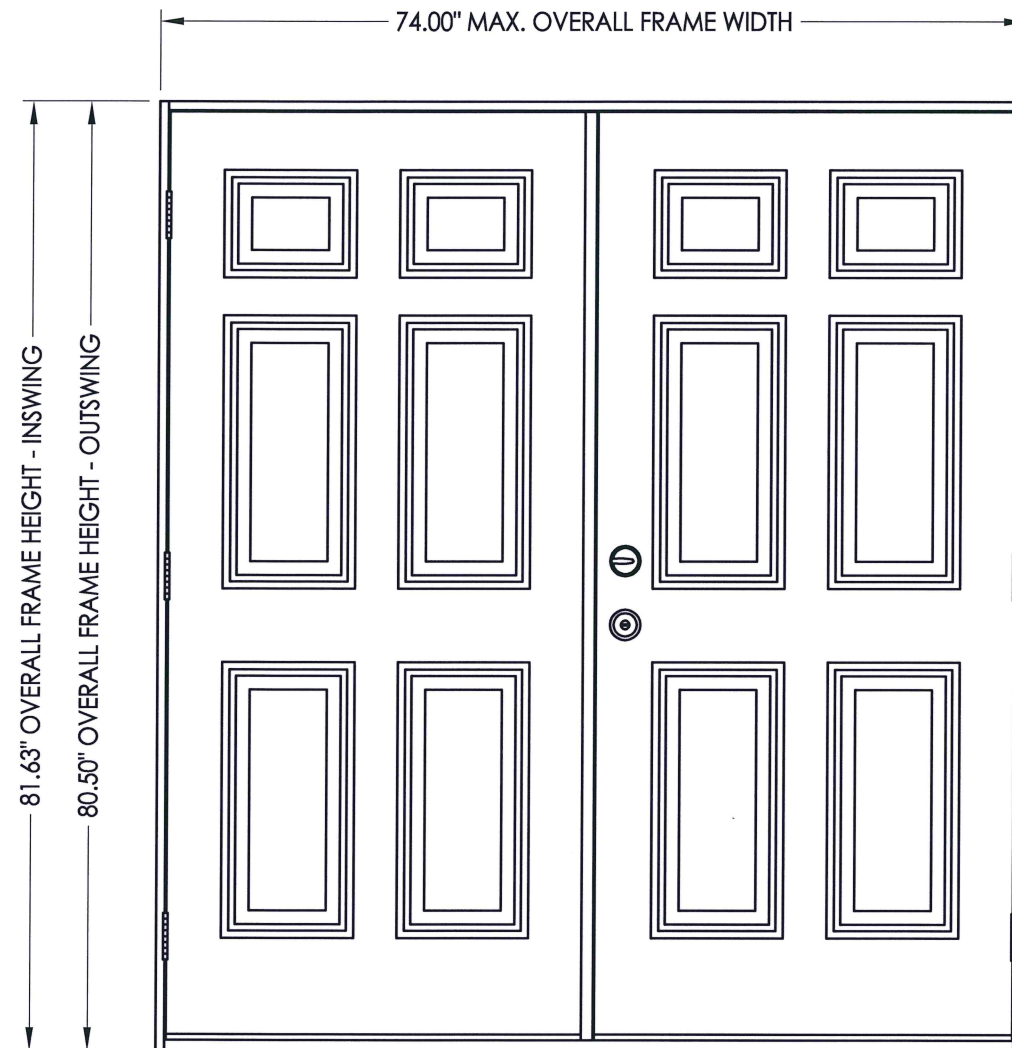
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

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

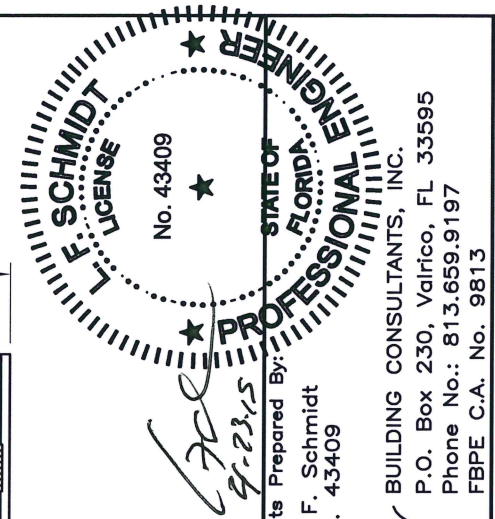
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product is required to be protected with an impact resistant covering that complies with Section 1626 of the FBC.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations meet water infiltration requirements for "HVHZ".
8. Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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	Astragal details
8	Bill of materials and components



SWING	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	74.00" x 81.63"	+50.0	-50.0
OUTSWING	74.00" x 80.50"	+50.0	-50.0



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

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 333
Phone No.: 813.659.9197
FBPE C.A. No. 9813

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

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

DATE: 02/20/12

SCALE: N.T.S.

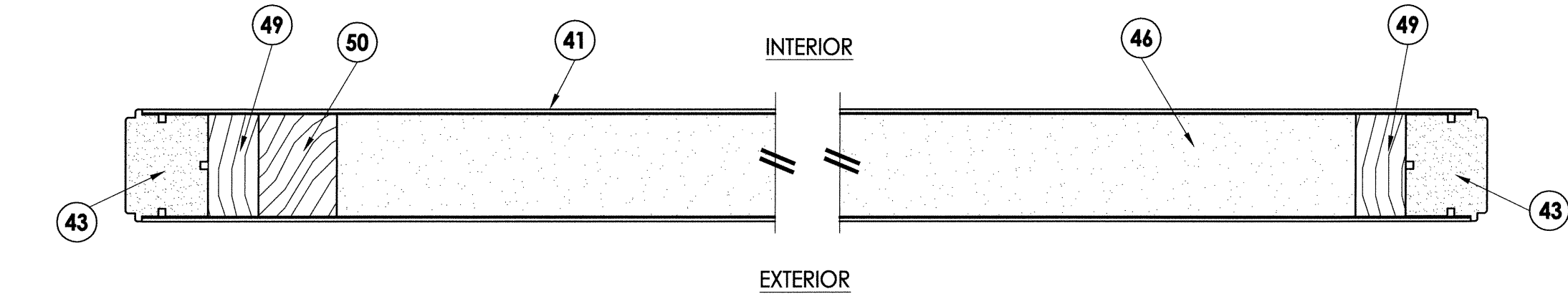
DWG. BY: JK

CHK. BY: LFS

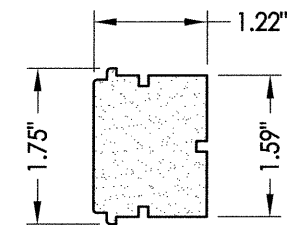
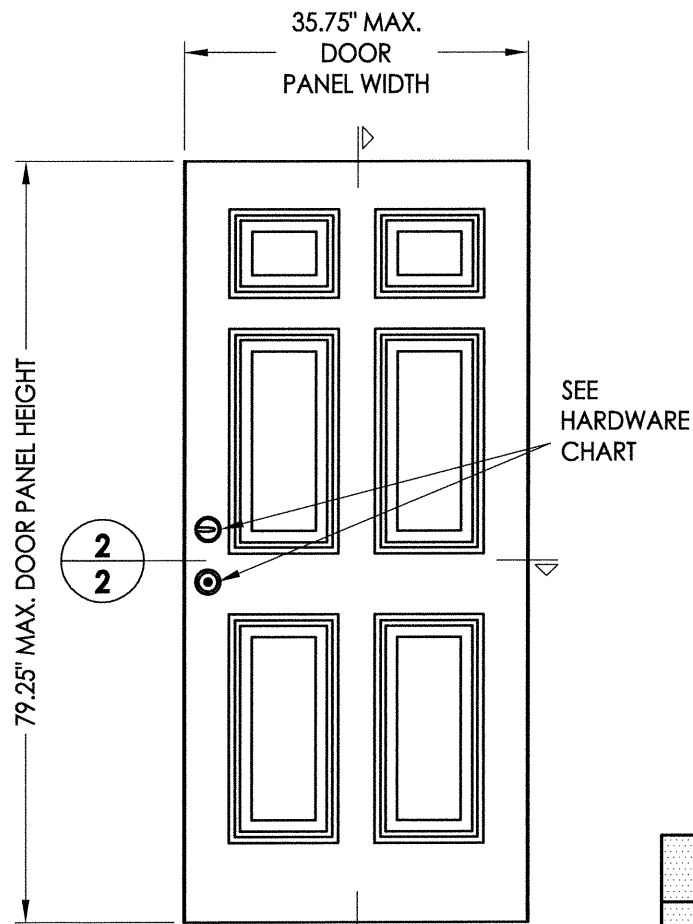
DRAWING NO.:
FL-15220.9

SHEET 1 OF 8

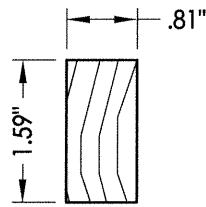
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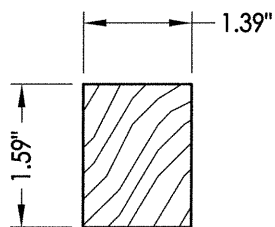
2
2 HORIZONTAL CROSS SECTION



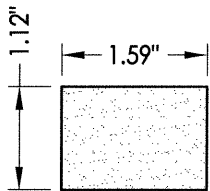
43 LATCH / HINGE STILE
Cellular pvc



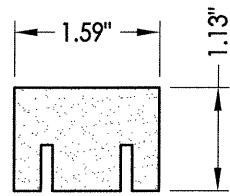
49 LATCH & HINGE STILE
Reinforcement



50 LOCK BLOCK
20" Long

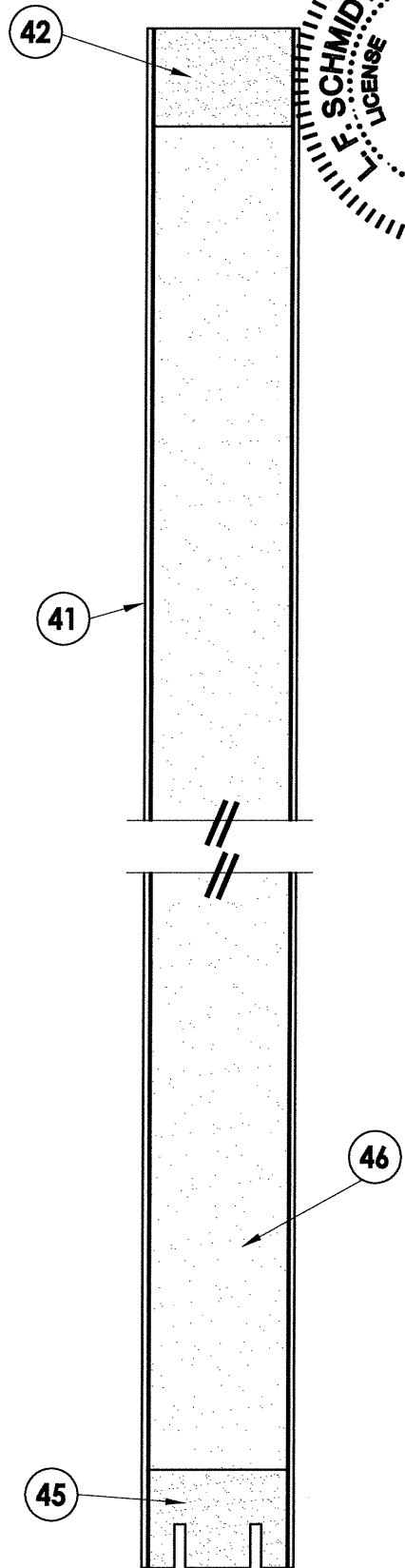


42 TOP RAIL
Cellular pvc

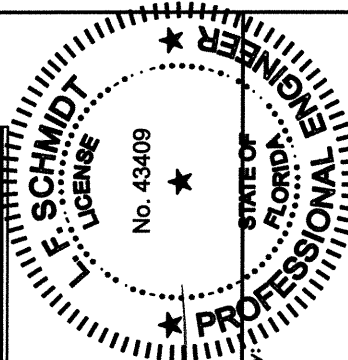


45 BOTTOM RAIL
Cellular pvc

HARDWARE CHART		
MANUFACTURER	MODEL	
Kwikset	LOCK:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES 780
Yale	LOCK:	YH COLLECTION
	DEADBOLT:	YH COLLECTION (80 SERIES)



1
2 VERTICAL CROSS SECTION

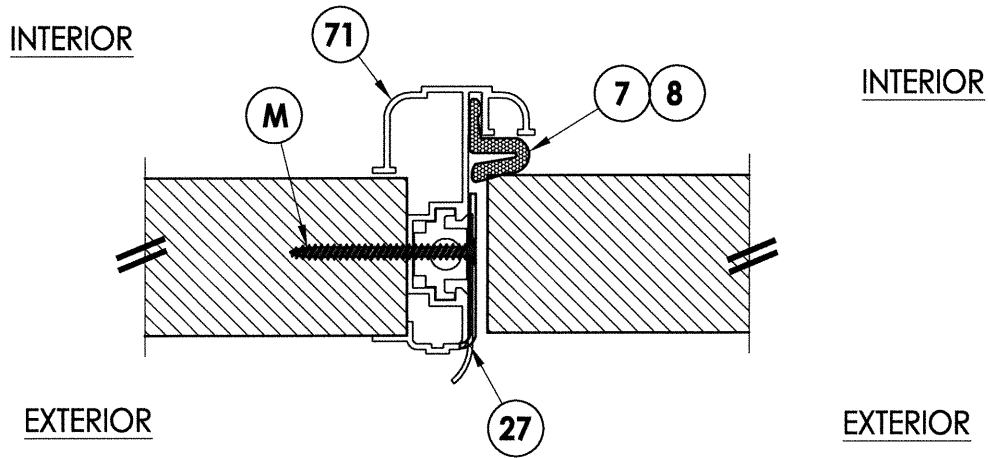
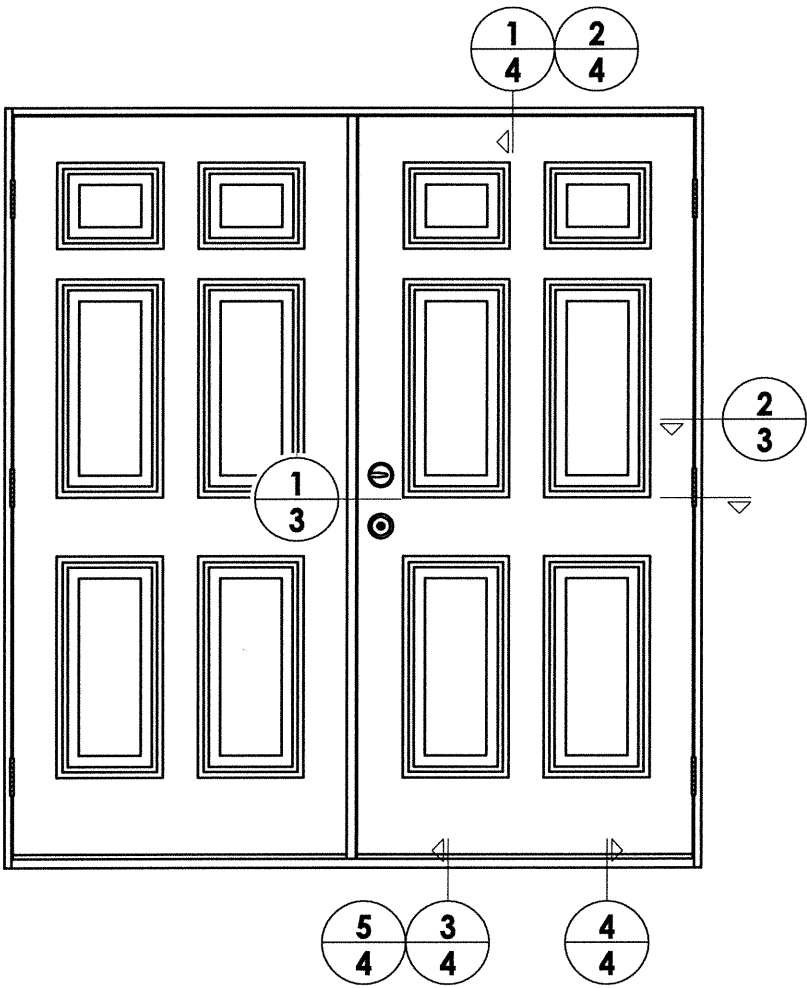


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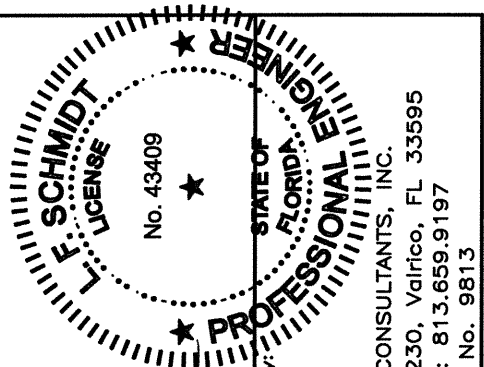
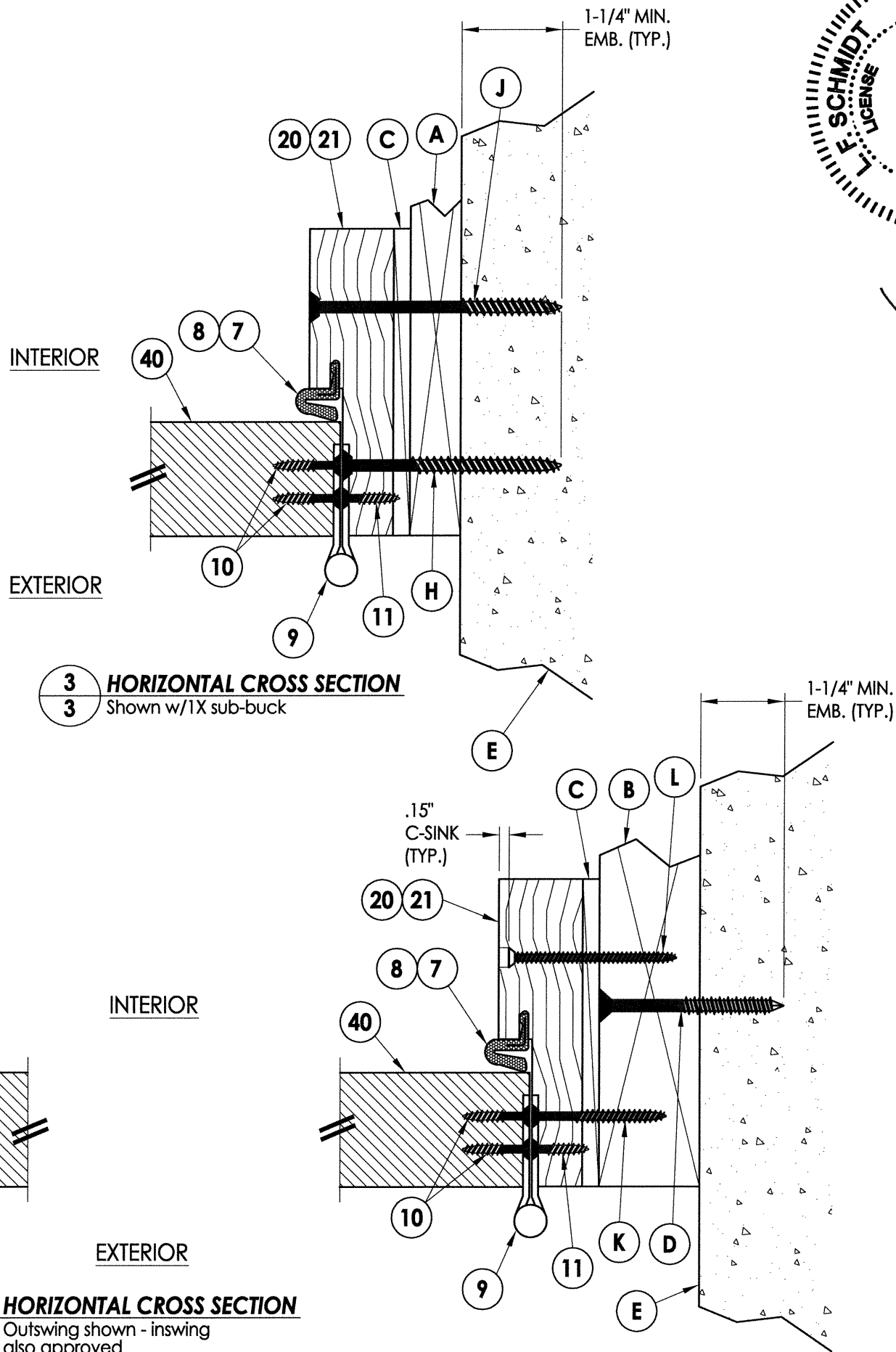
PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
			</

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

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

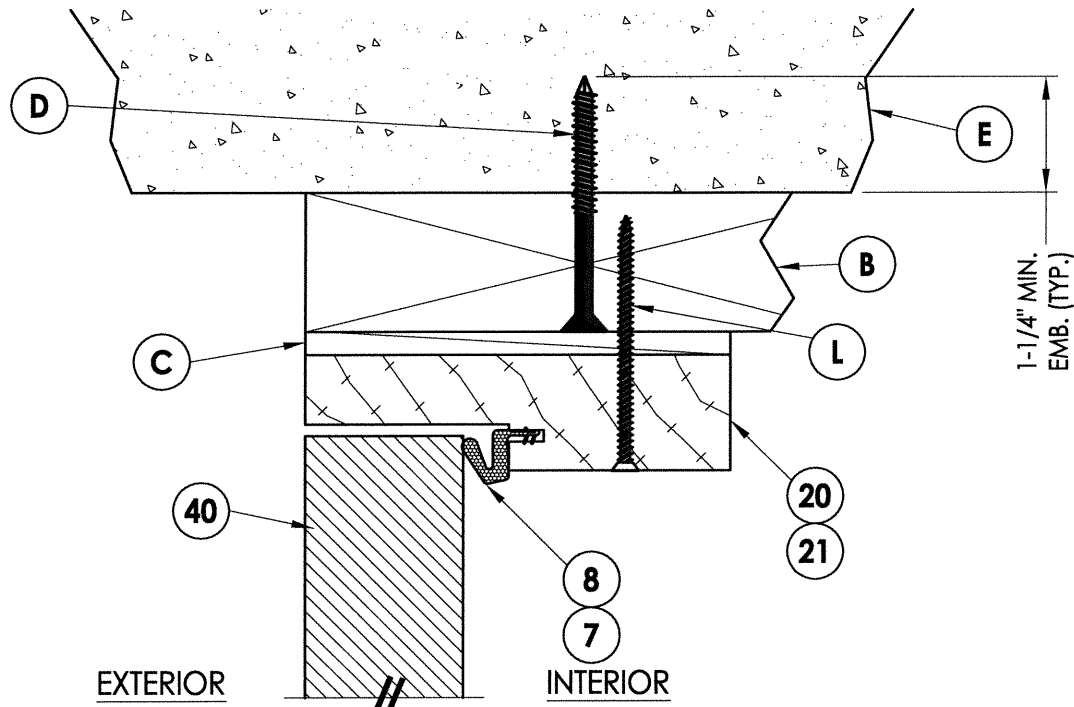


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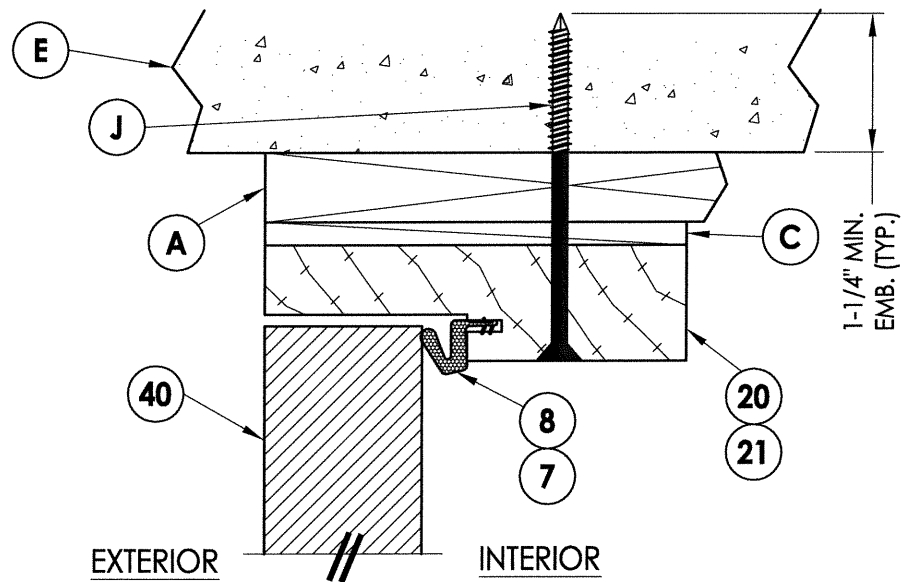
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE:	02/20/12	NO.	DATE
SCALE:	N.T.S.	1	04/22/15
DWG. BY:	JK	UPDATE TO	5TH ED. (2014) FBC
CHK. BY:	LFS	NO.	DATE
DRAWING NO.:	FL-15220.9	BY	JK
SHEET	3	OF	8
REVISIONS			

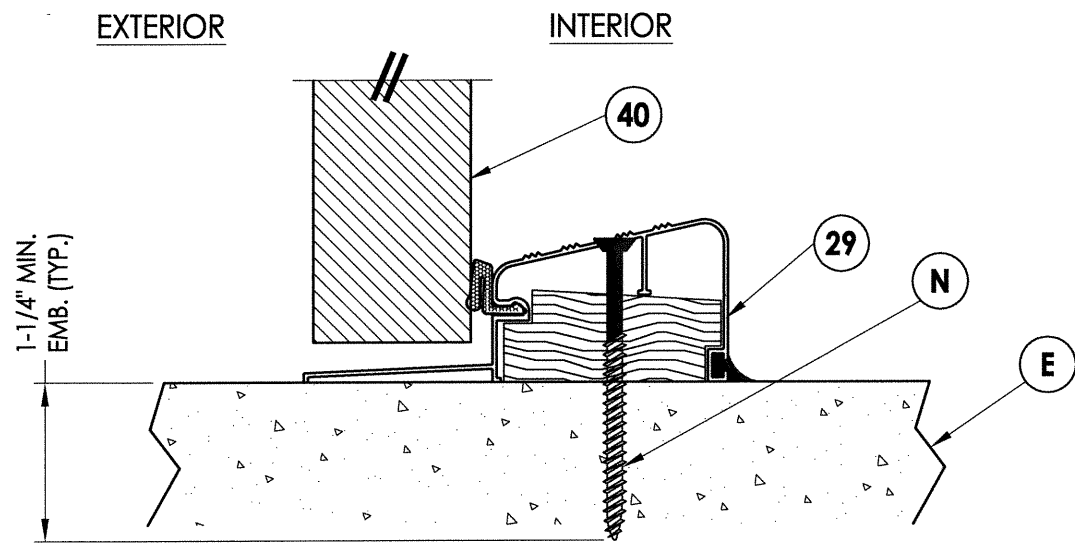
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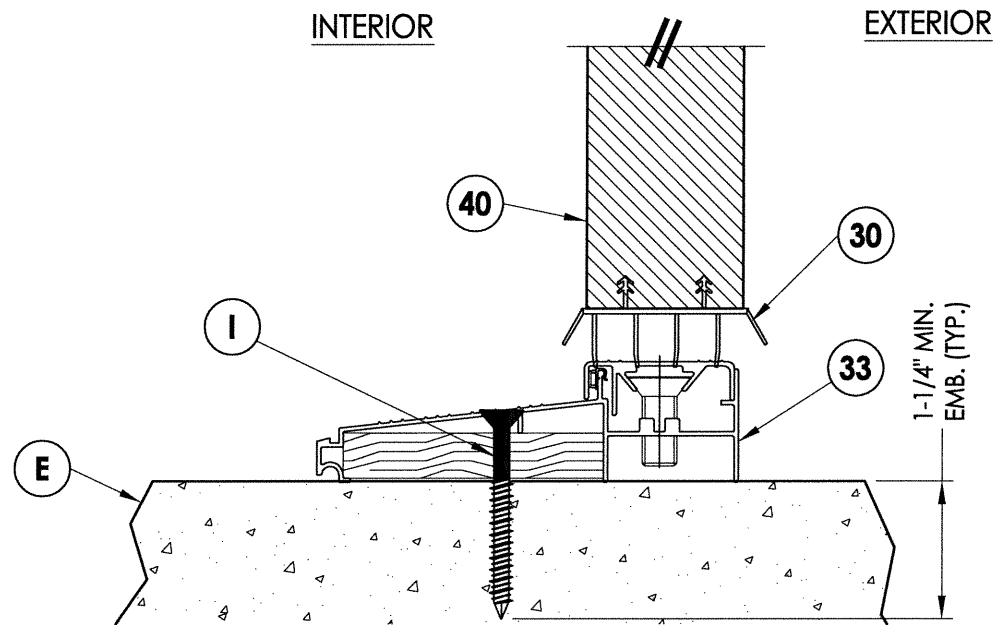
1 VERTICAL CROSS SECTION
4 Outswing shown - inswing also approved



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



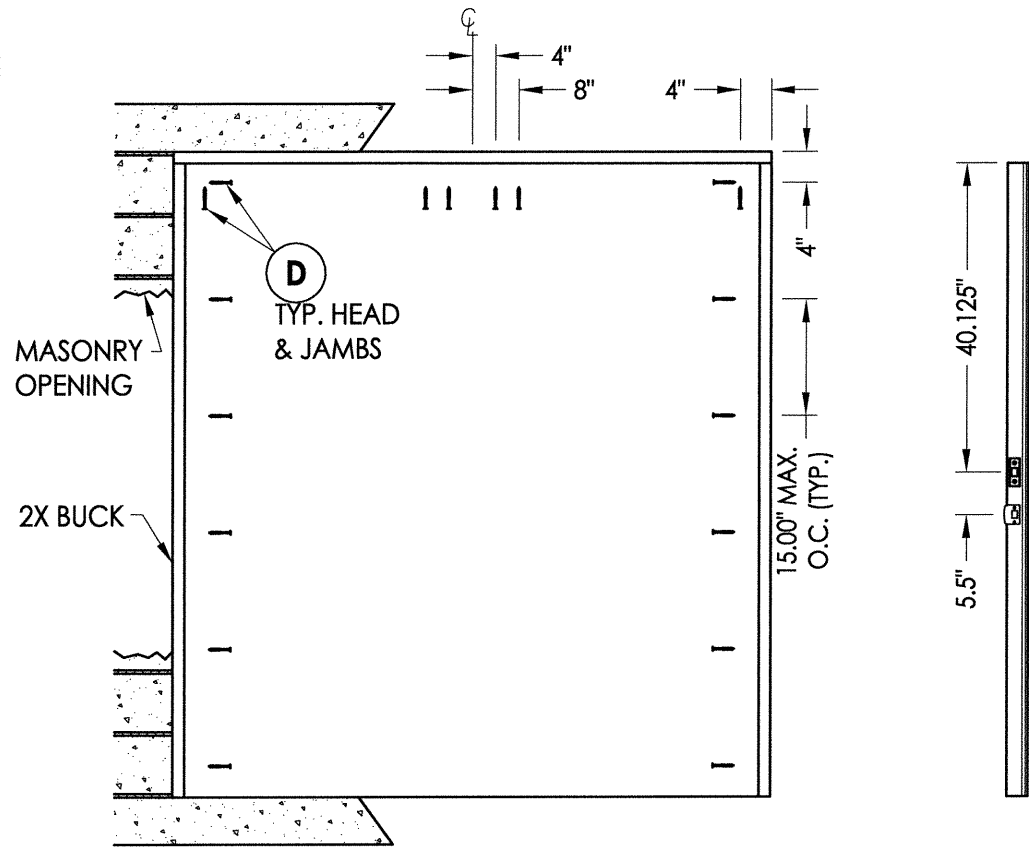
3 VERTICAL CROSS SECTION
4 Outswing configuration



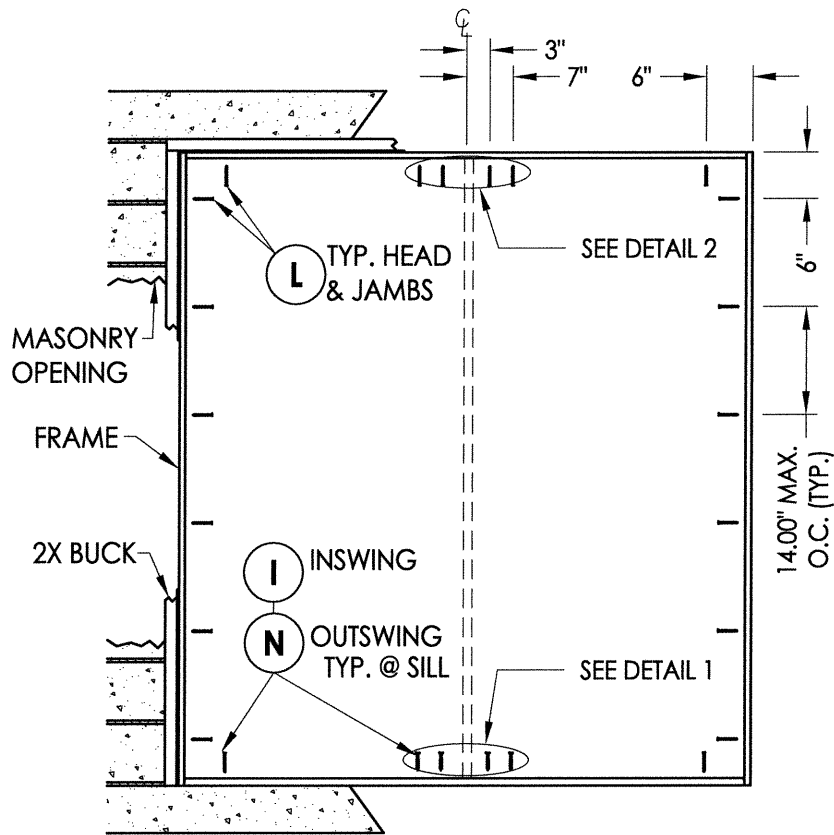
4 VERTICAL CROSS SECTION
4 Inswing configuration

STATE OF FLORIDA PROFESSIONAL ENGINEER LYNDON F. SCHMIDT No. 43409 P.E. No. 43409		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			
				REVISIONS	
				NO. DATE	
				1 04/22/15 UPDATE TO 5TH ED. (2014) FBC	
				JK BY	
DATE: 02/20/12		SCALE: N.T.S.		DWG. BY: JK	
		CHK. BY: LFS		DRAWING NO.: FL-15220.9	
SHEET 4 OF 8					

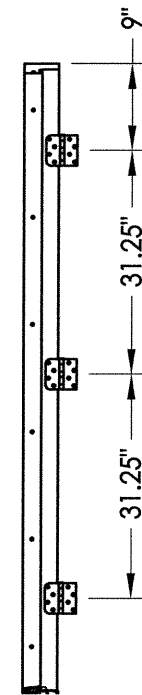
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BUCK ANCHORING



FRAME ANCHORING
Masonry 2X buck construction



HINGE JAMB

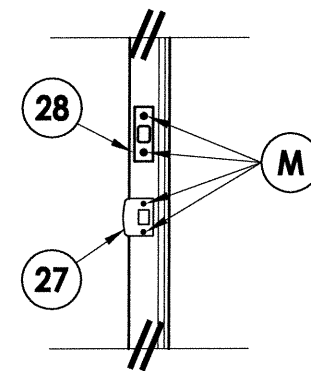
CONCRETE ANCHOR NOTES:

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:

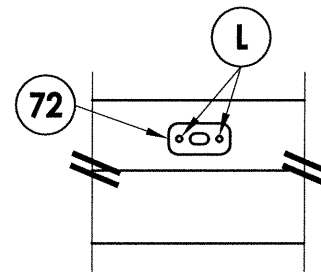
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

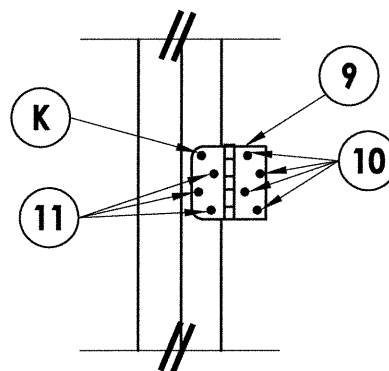
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



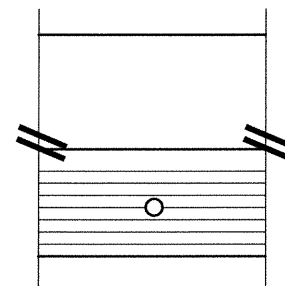
LATCH & DEAD BOLT DETAIL



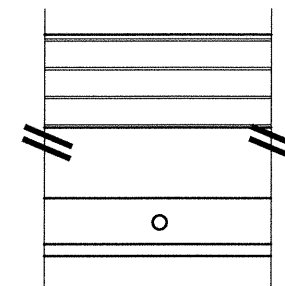
DETAIL 2
Attach astragal throw bolt strike plate to frame as shown



HINGE DETAIL



DETAIL 1
Astragal throw bolts at the threshold (Outswing)



DETAIL 1
Astragal throw bolts at the threshold (Inswing)

FLORIDA

SCHMIDT

ENGINEER

PROFESSIONAL

ENGINEER

No. 43409

4/23/15

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

DATE OF

FLORIDA

ENGINEER

PLASTPRO INC.

FIBERGLASS DOOR

PART OR ASSEMBLY:

BUCK AND FRAME ANCHORING 2X

BUCK MASONRY CONSTRUCTION

DATE:

02/20/12

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-15220.9

SHEET

5

OF

8

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RW

BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

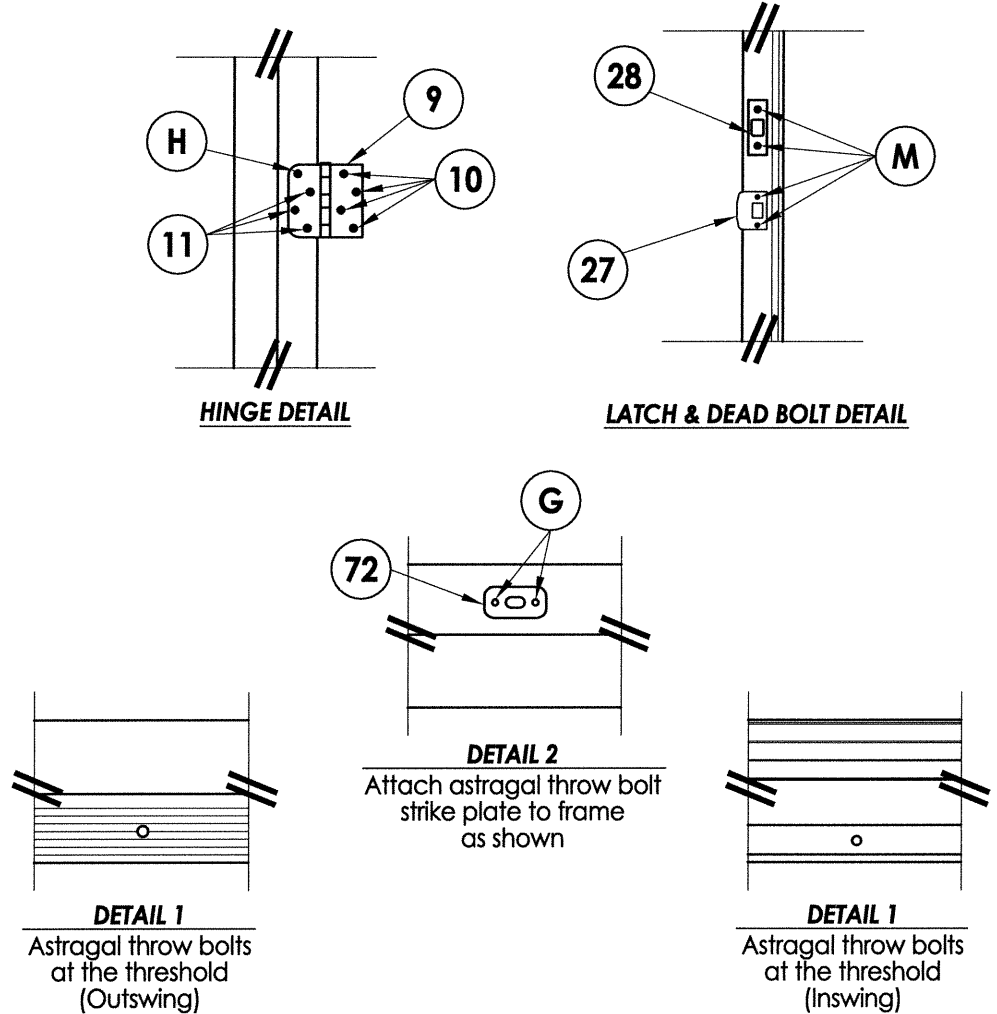
FBPE C.A. No. 9813

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

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CONCRETE ANCHOR NOTES:

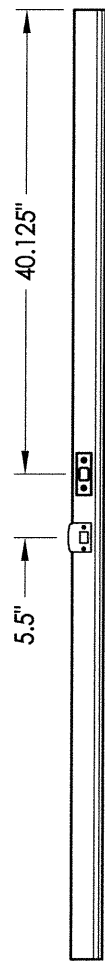
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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 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"

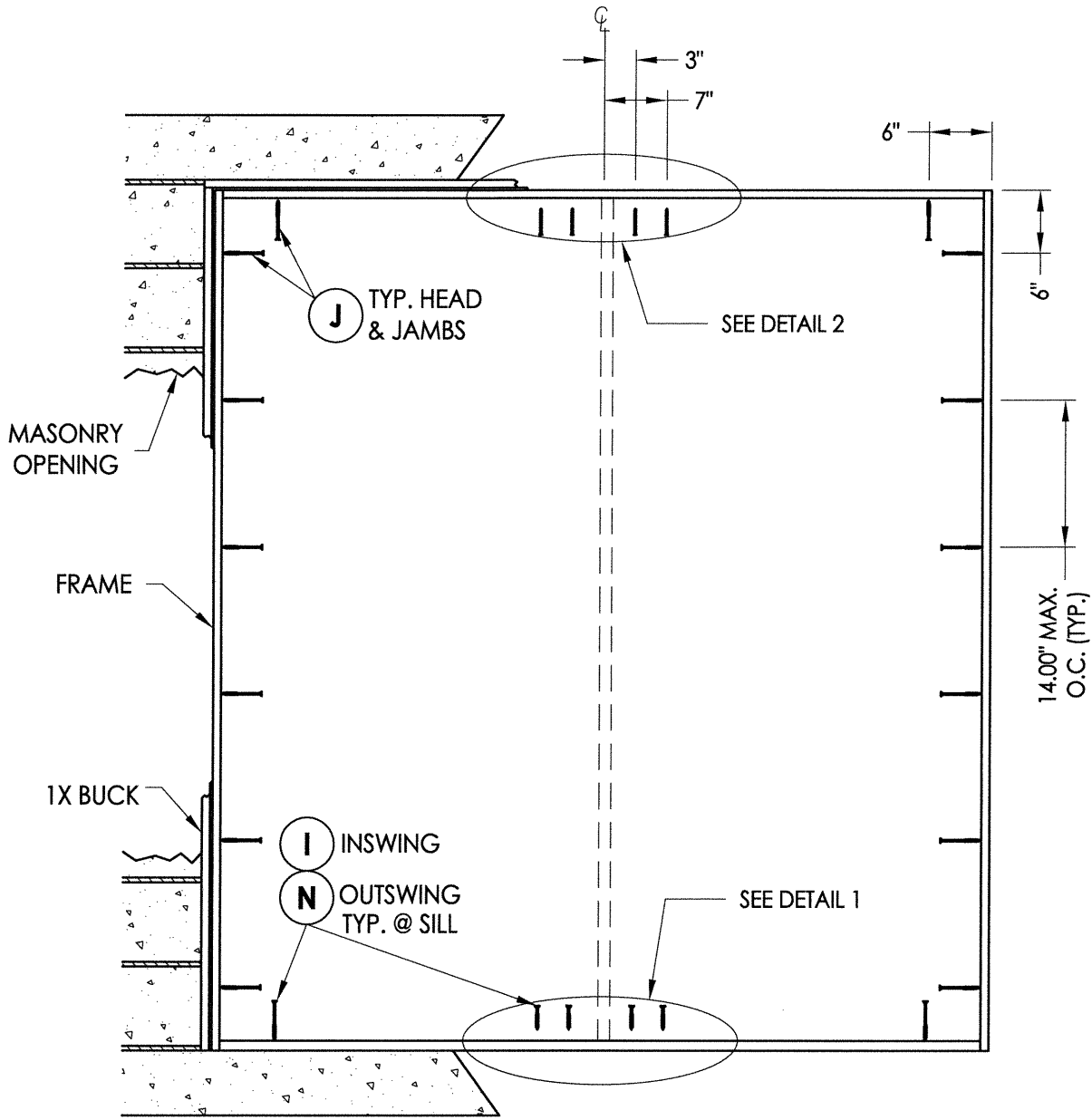
WOOD SCREW INSTALLATION NOTES:

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

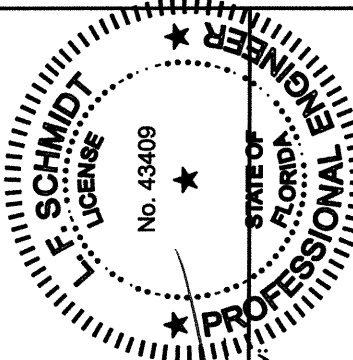
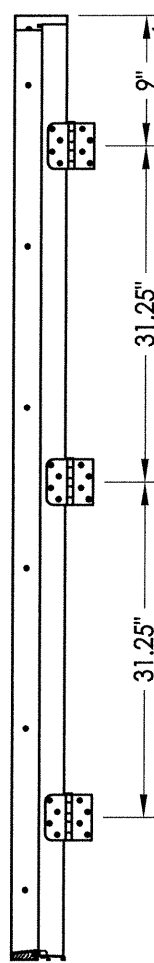
ASTRAGAL STRIKE JAMB



FRAME ANCHORING
Masonry 1X buck construction



HINGE JAMB



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

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION	
NO.	DATE	BY	JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 02/20/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15220.9
SHEET 6 OF 8

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

73 TYP.

0.5"
2"
3.5"

11.25"
19.75"
32.25"
35.75"
37.75"

11.25"
19"
31.5"
35.25"

0.5"
2"
3.5"

Technical drawing of a three-hole punch plate. The drawing includes three views: a front view (top), a top view (bottom left), and a side view (bottom right).

Front View (Top): Shows a rectangular plate with three circular holes. The overall width is 3.99". The distance from the left edge to the center of the first hole is 0.478". The distance between the centers of the three holes is 3.99". The distance from the center of the last hole to the right edge is 0.478".

Top View (Bottom Left): Shows the profile of the plate. The overall width is 0.975". The distance from the left edge to the center of the hole is 0.573". The hole diameter is $\varnothing 0.346"$.

Side View (Bottom Right): Shows the thickness of the plate. The overall thickness is 0.050". The hole diameter is $\varnothing 0.335"$. The distance from the front face to the center of the hole is 0.168".

Technical drawing of a shaft. The diameter is indicated as $\varnothing 20.31"$ and the length is indicated as 20.000".

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

6700
 4.23.15
 Issued Prepared By: F. Schmidt
 43409

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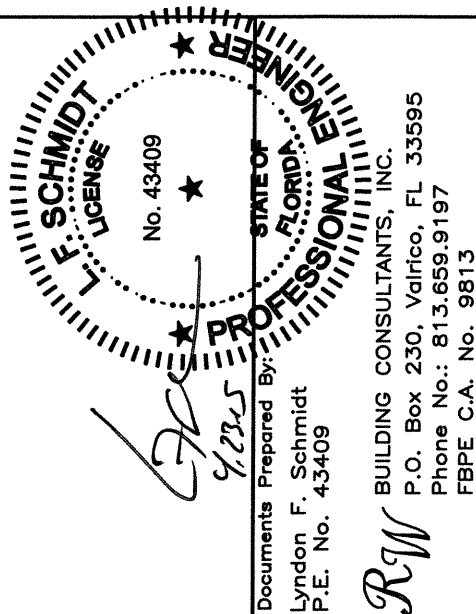
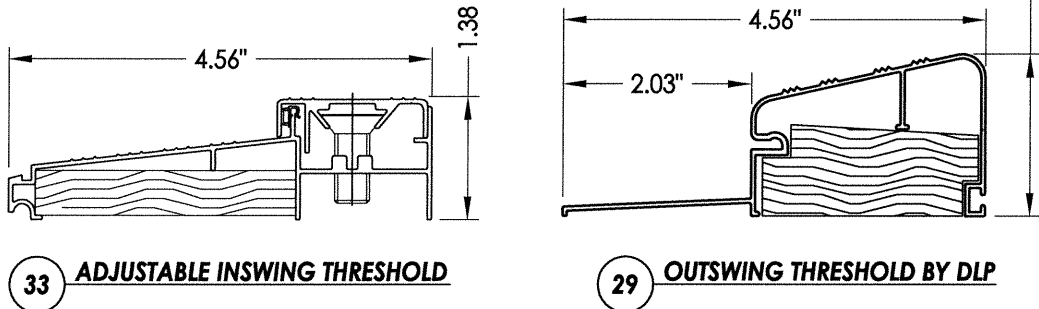
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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

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

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

DATE:	02/20/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15220.9
SHEET	7 OF 8

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" x 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
K	#9 X 2-1/2" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW	STEEL
M	#8 X 2" PFH WOOD SCREW	STEEL
N	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
7	FORCE 5 WEATHERSTRIPPING BY ENDURA	FOAM
8	COMPRESSION WEATHERSTRIP QLON 650 BY SCHLEGEL	FOAM
9	4" X 4" BUTT HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	#10 X 3" PFH WOOD SCREW	STEEL
20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
21	POLY FIBER JAMB	COMP. / VINYL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT PLATE	STEEL
29	OUTSWING THRESHOLD BY DLP	ALUM./WOOD
30	INSWING VINYL DOOR BOTTOM SWEEP	VINYL
33	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM. / WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
41	DOOR SKIN (MIN. 0.069" THICK) BY PLASTPRO	FIBERGLASS
42	TOP RAIL	CELLULAR PVC
43	LATCH & HINGE STILE	CELLULAR PVC
45	BOTTOM RAIL	CELLULAR PVC
46	POLYURETHANE FOAM BY PLASTPRO	POLYURETHANE
49	LATCH AND HINGE STILE REINFORCEMENT	WOOD
50	LOCK BLOCK (20" X 1.385")	WOOD
71	ASTRAGAL BY DLP (6063-T5 ALUMINUM)	ALUM.
72	ASTRAGAL STRIKE PLATE	STEEL
73	#8 X 2" PFH SCREW	STEEL
74	CONCEALED STIFFENER BY PLASPRO (6063-T6 ALUMINUM)	ALUM.
77	SLIDE BOLT ROD	STEEL

[illegible]