

plastpro

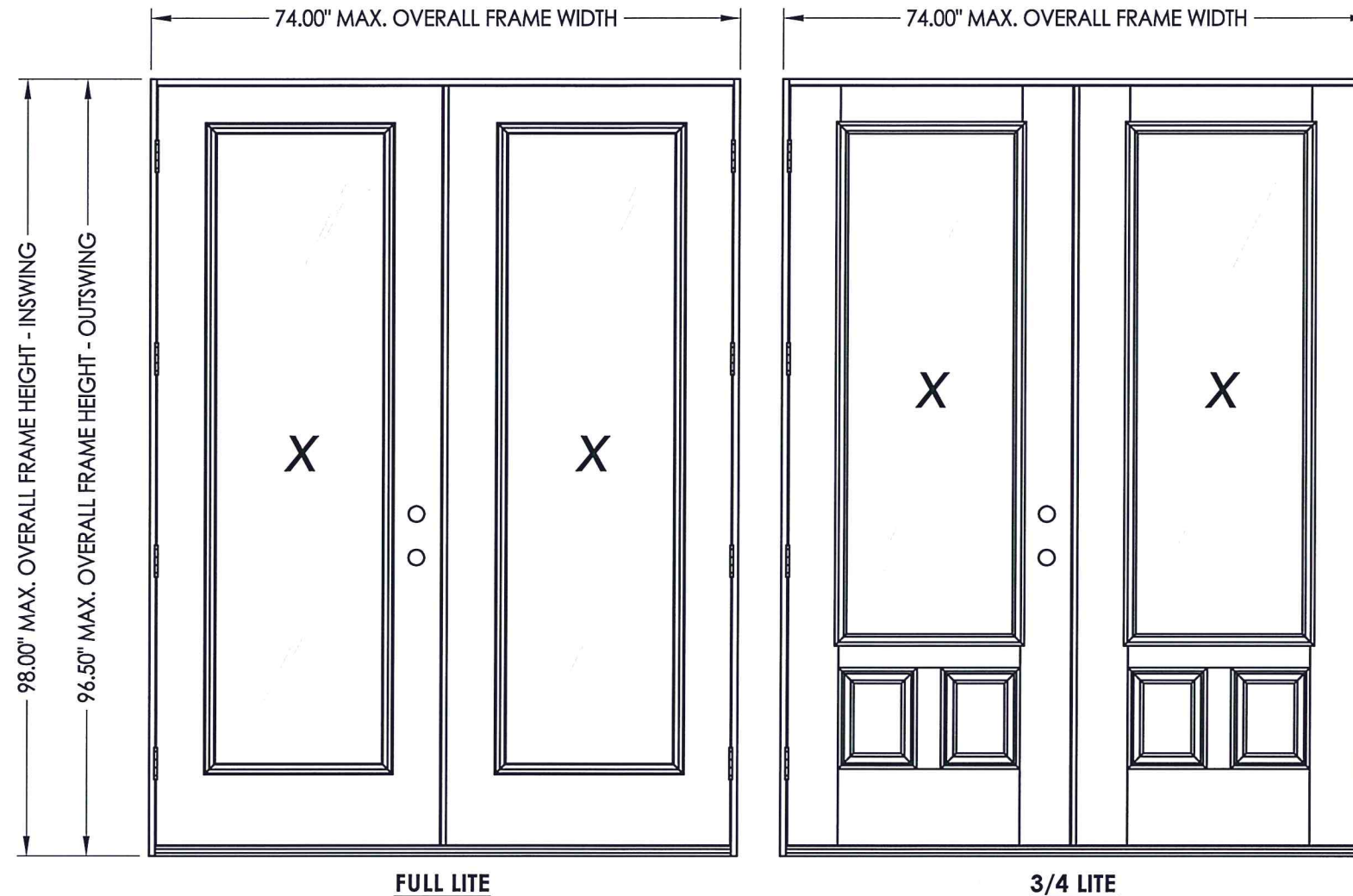
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

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

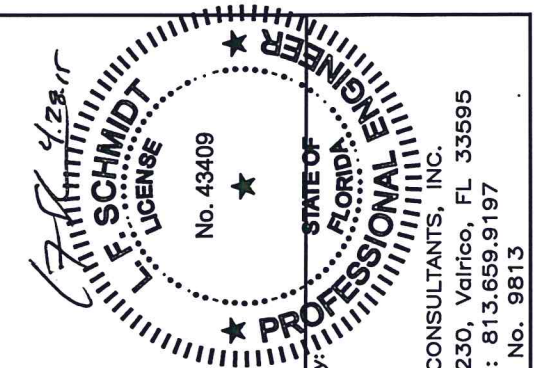
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements 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 is required to be protected with an impact resistant covering that complies with Section 1609.1.2 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 elevations, design pressures, & general notes
2	Door panel details
3	Horizontal cross sections
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5	Buck and frame anchoring - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Endura astragal details
8	Bill of materials, glazing detail & components



SWING	OVERALL FRAME DIMENSION	OVERALL DOOR D.L.O.		GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
INSWING	74.00" x 98.00"	FULL LITE	21.00" x 79.00"	G1	+37.5	-37.5
		3/4 LITE	21.00" x 63.00"		+37.5	-37.5
OUTSWING	74.00" x 96.50"	FULL LITE	21.00" x 79.00"		+37.5	-37.5
		3/4 LITE	21.00" x 63.00"		+37.5	-37.5



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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15213.35

SHEET 1 OF 8

REVISIONS

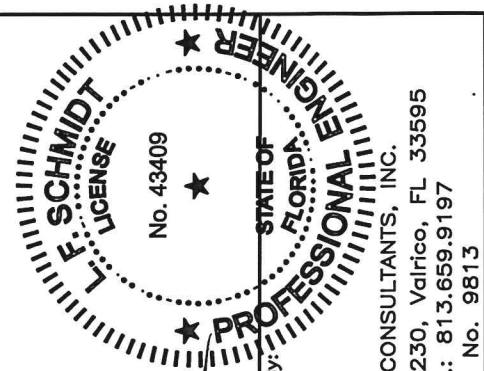
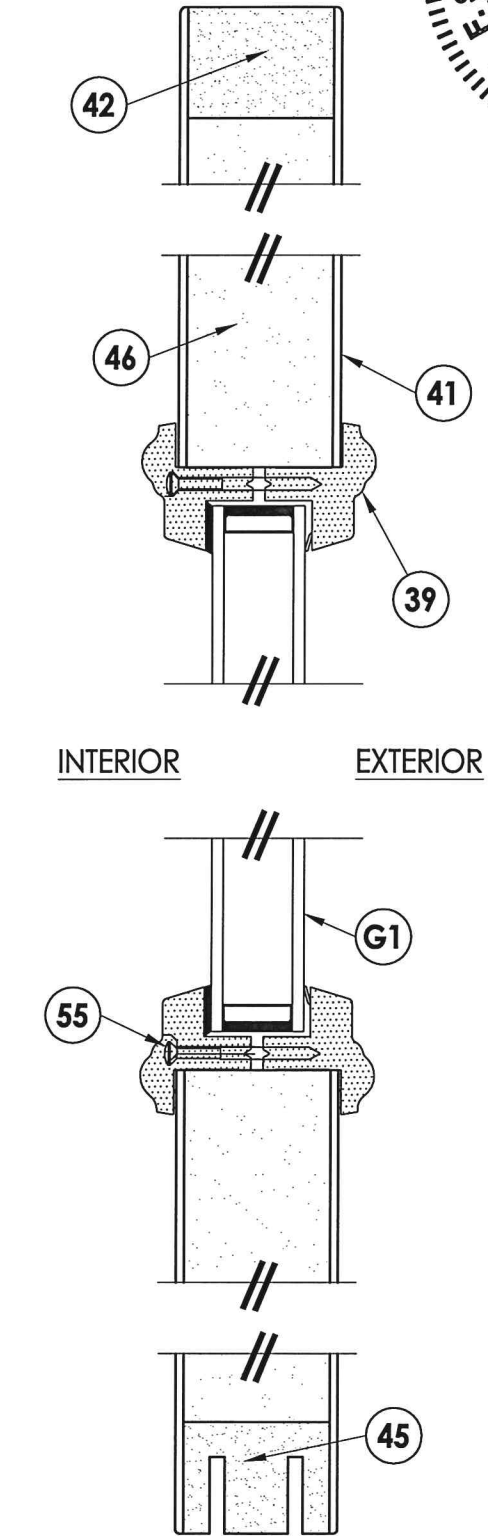
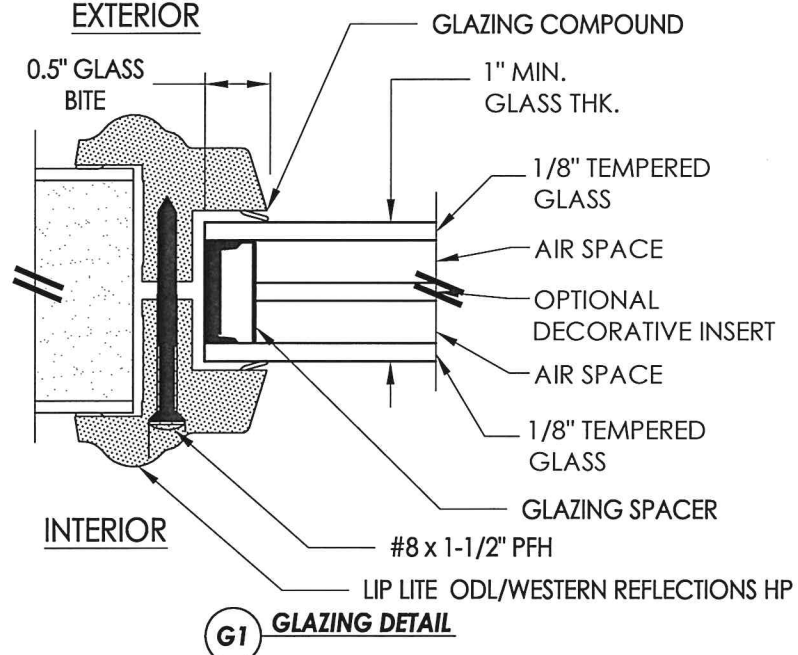
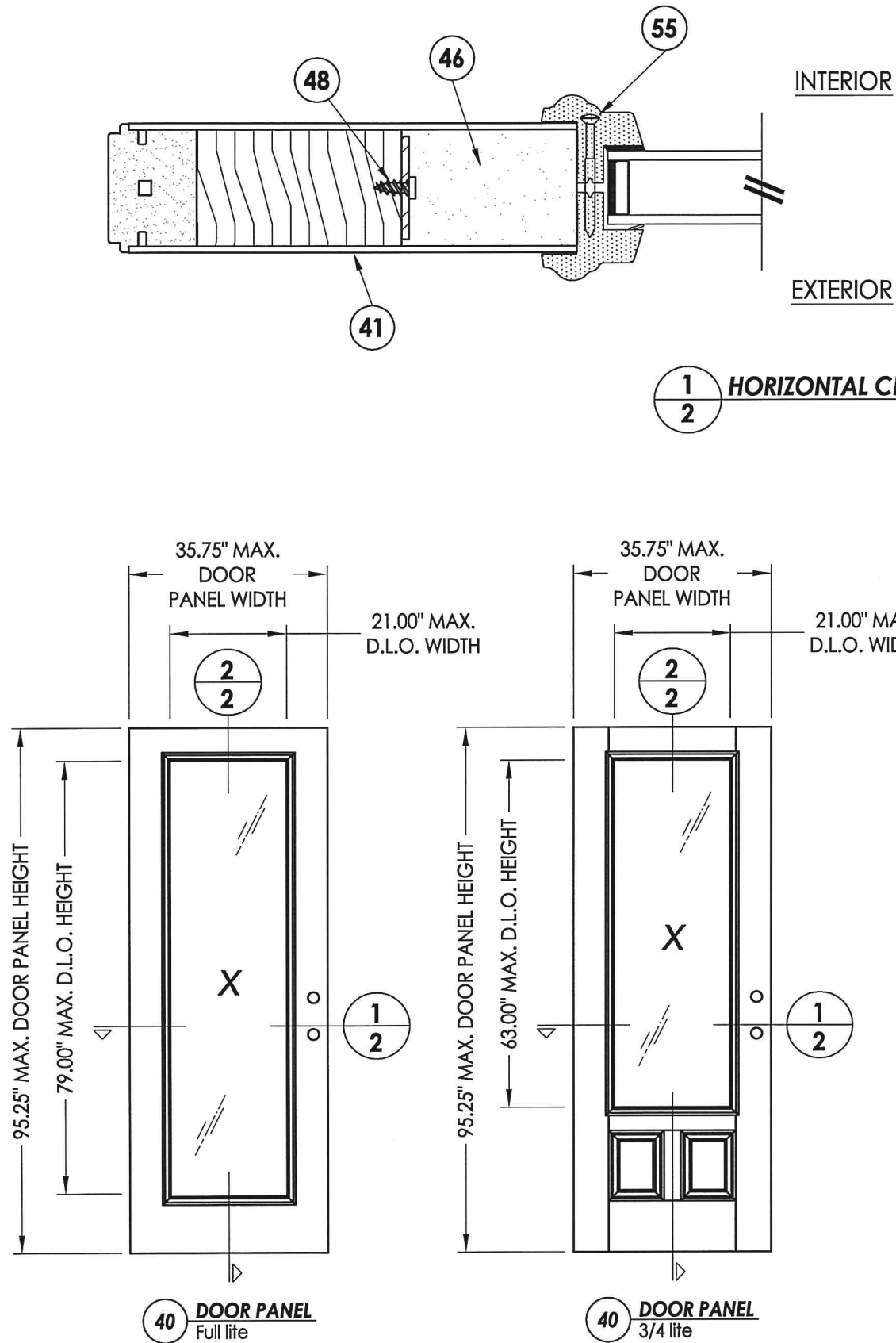
1 04/22/15 UPDATE TO 5TH ED. (2014) FBC

NO. DATE

JK BY

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FBPE C.A. No. 9813

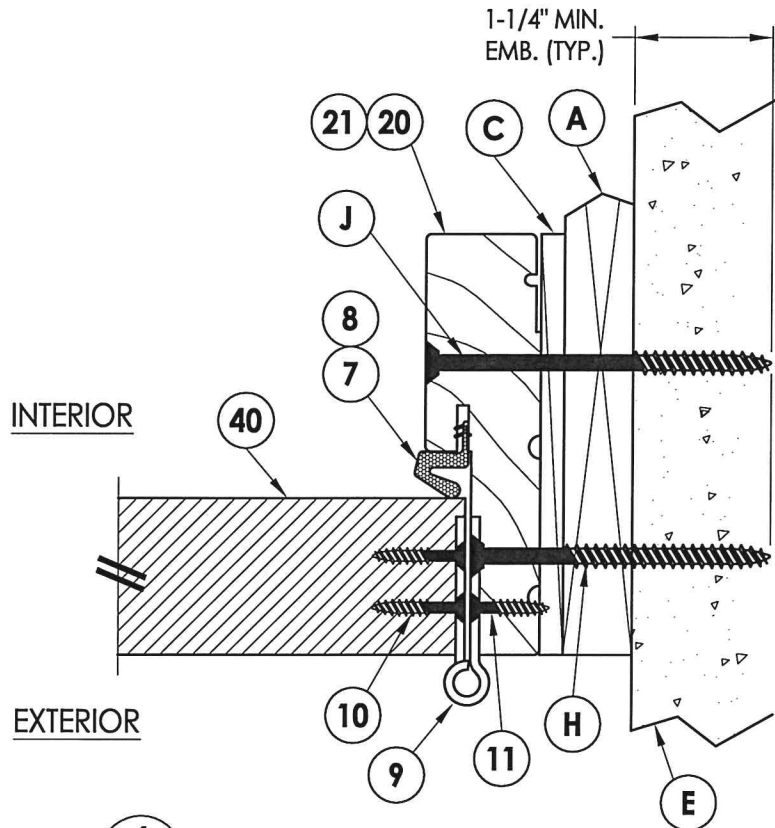
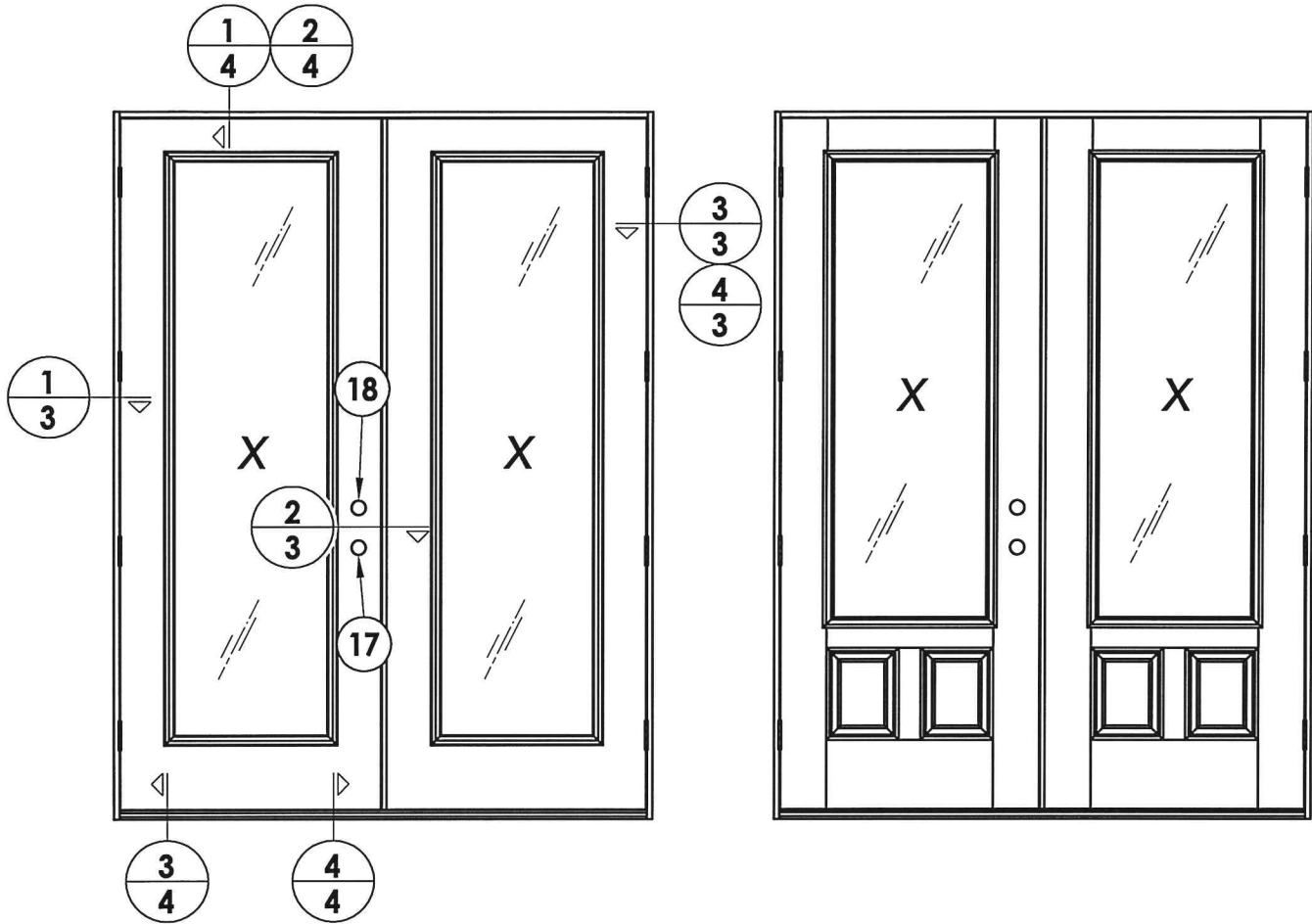
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

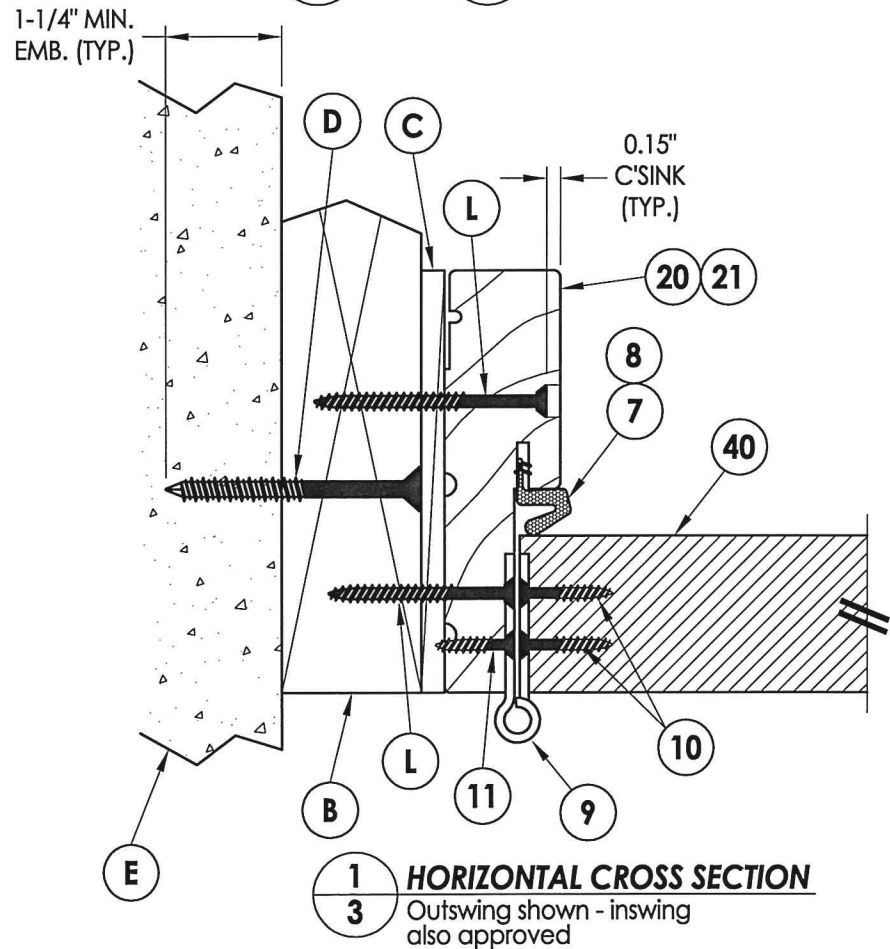
NO.	DATE	REVISIONS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
JK		BY

DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15213.35
SHEET 2 OF 8

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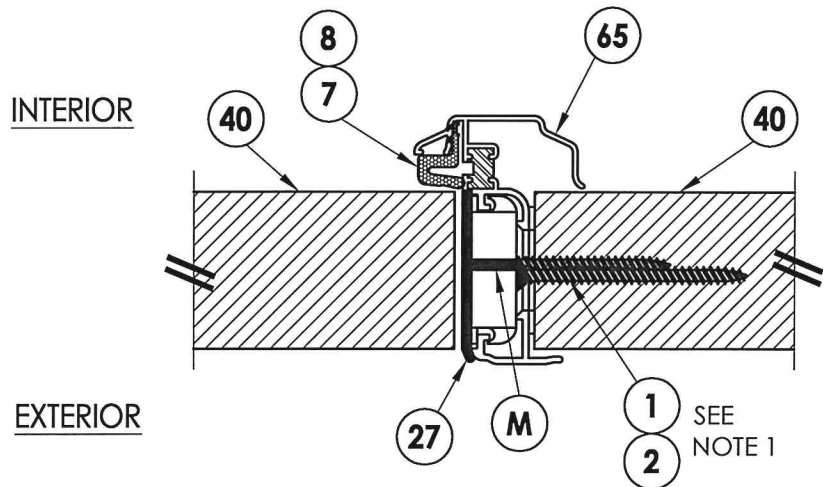


4 **HORIZONTAL CROSS SECTION**
3 Shown w/1X sub-buck

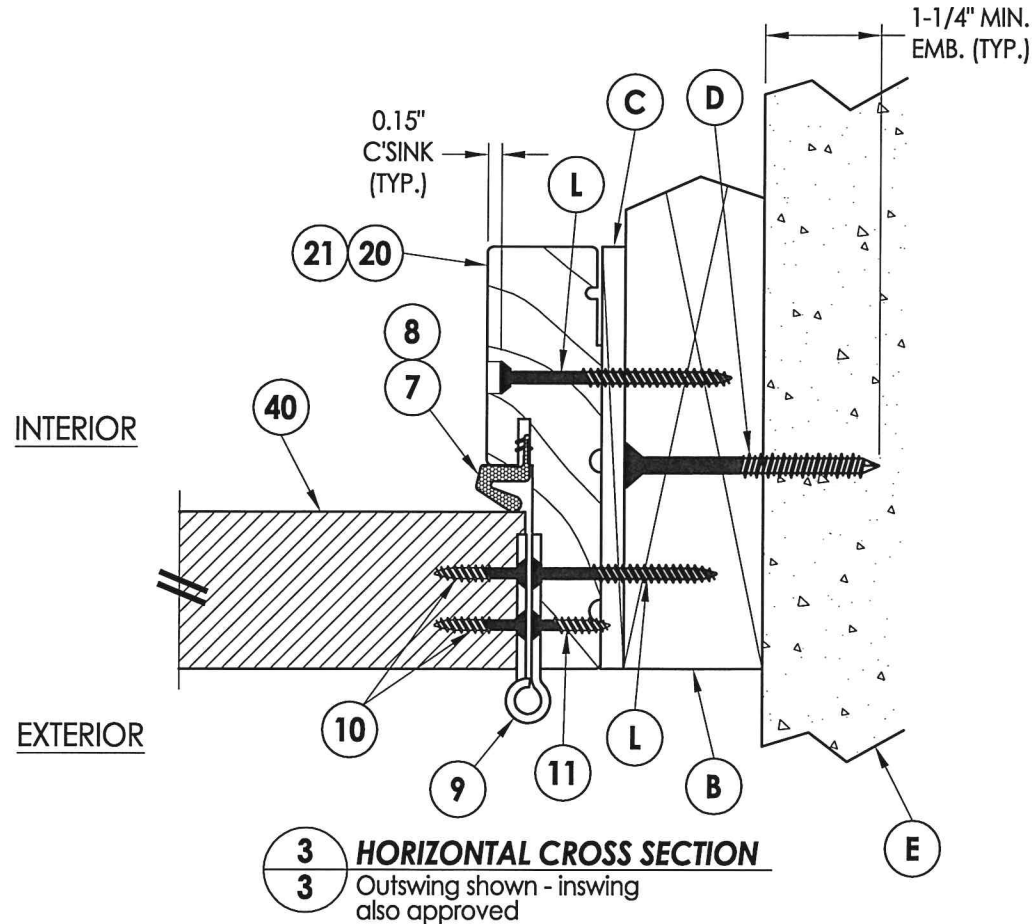


1 **HORIZONTAL CROSS SECTION**
3 Outswing shown - inswing also approved

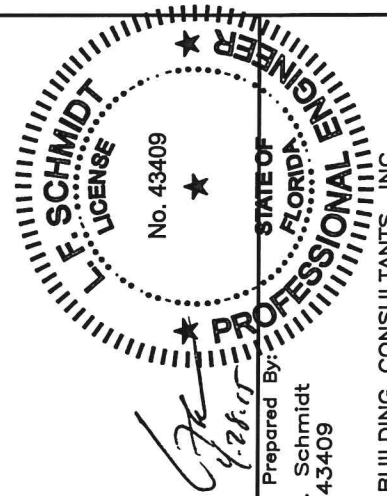
NOTE:
1. As noted in the test report astragal was attached to the inactive leaf with (11) #8 x 3" psh sms and (6) #10 x 2-1/2" pfh sms for all 8'-0" (outswing). Astragal was attached to the inactive leaf with (13) #8 x 3" psh sms and (6) #10 x 2-1/2" pfh sms for all 8'-0" (inswing).



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



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



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

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

DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15213.35
SHEET 3 OF 8

Diagram illustrating the cross-section of a window assembly, showing the exterior and interior views.

EXTERIOR

INTERIOR

Labels and components:

- 40**: Window frame or sash.
- 7**: Window frame or sash (interior view).
- 31**: Seal or gasket.
- E**: Drainage channel or weep hole.
- I**: Drainage hole or outlet.
- 1-1/4" MIN. EMB. (TYP.)**: Minimum embedment depth of the window frame into the concrete slab.

Technical cross-section diagram of a window assembly. The diagram shows the exterior (left) and interior (right) components. Key features include:

- Labels:** A, B, C, D, E, F, G, H, I, J, 20, 21, 40, 7.
- Dimensions:** A vertical dimension line on the right indicates a minimum embedding depth of 1-1/4" MIN. EMB. (TYP.).
- Materials:** The exterior wall is shown with a hatched pattern. The interior wall is shown with a solid pattern.
- Components:** The diagram shows a window frame (A) with a sash (B) and a sill (C). The sill is embedded into the exterior wall (D). The interior wall (E) is shown with a hatched pattern. The interior wall (F) is shown with a solid pattern. The interior wall (G) is shown with a hatched pattern. The interior wall (H) is shown with a solid pattern. The interior wall (I) is shown with a hatched pattern. The interior wall (J) is shown with a solid pattern.

1-1/4" MIN.
EMB. (TYP.)

EXTERIOR

INTERIOR

34

33

F

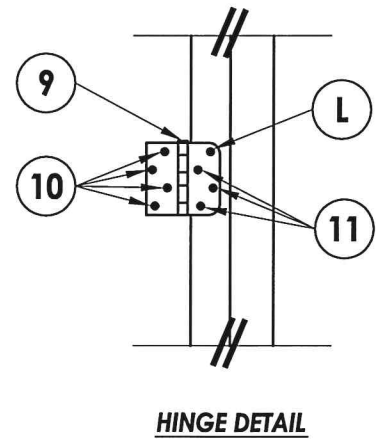
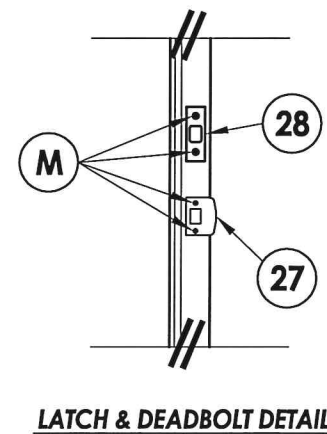
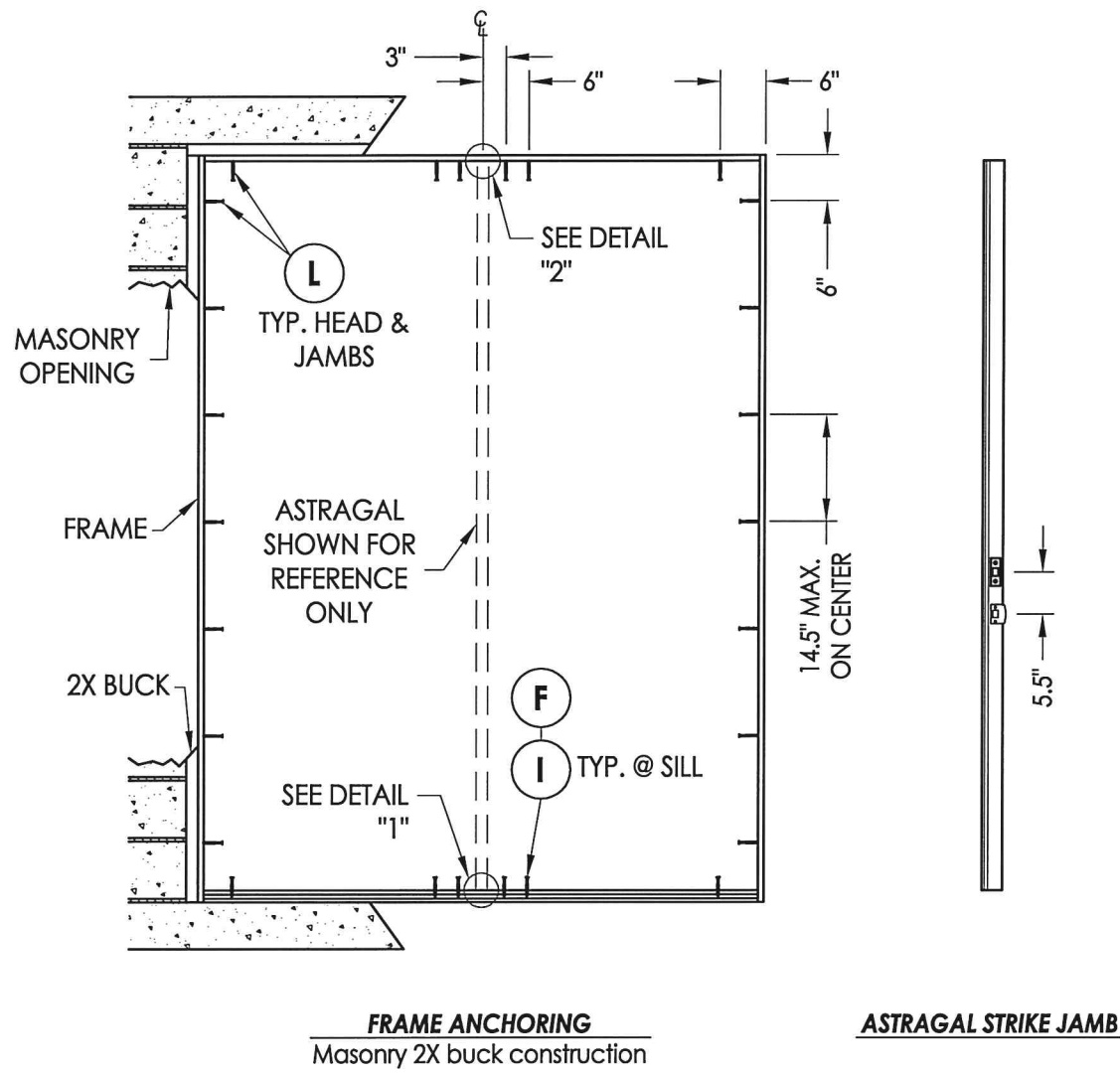
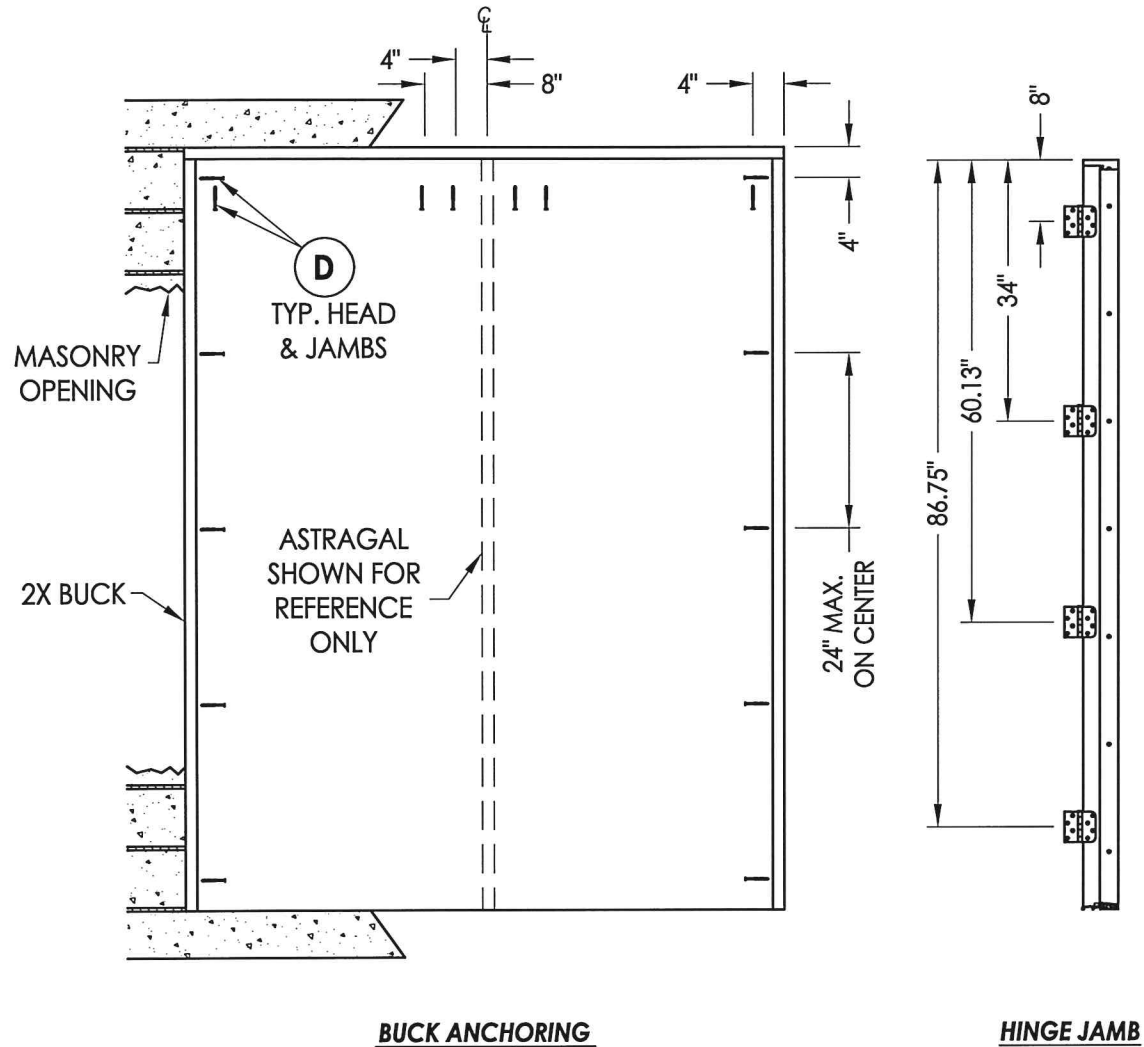
30

40

E

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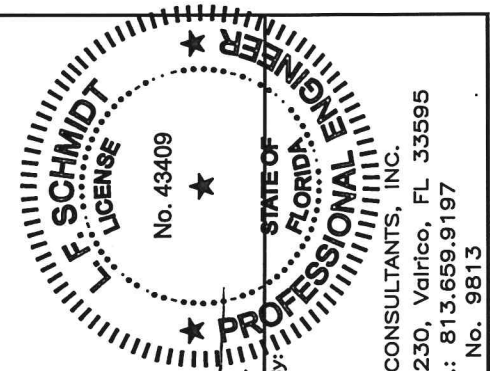
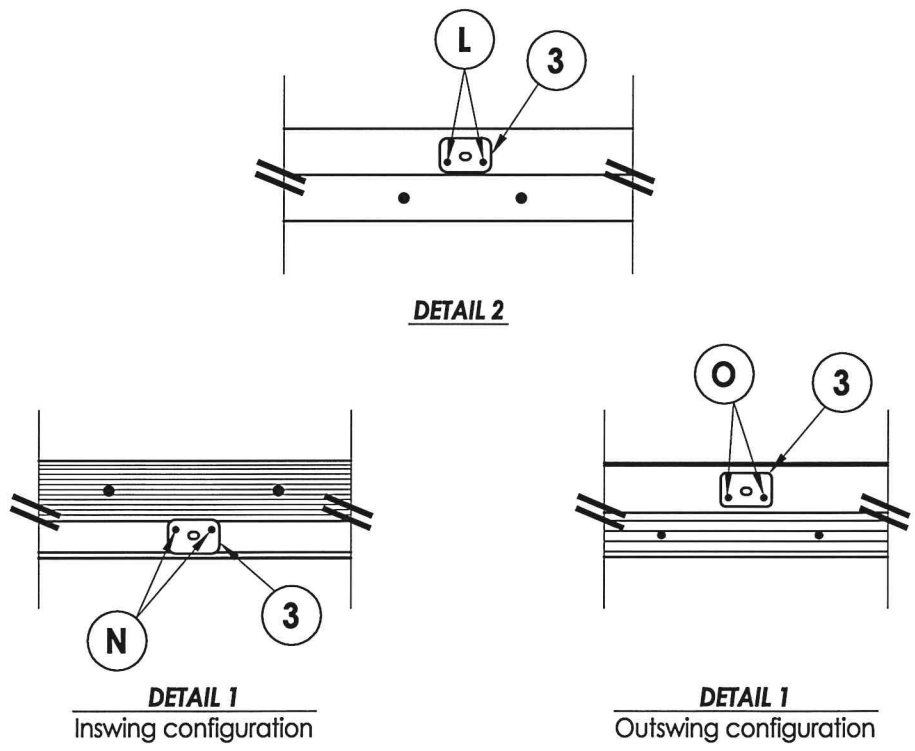
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- CONCRETE ANCHOR NOTES:**
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
 2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance 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"

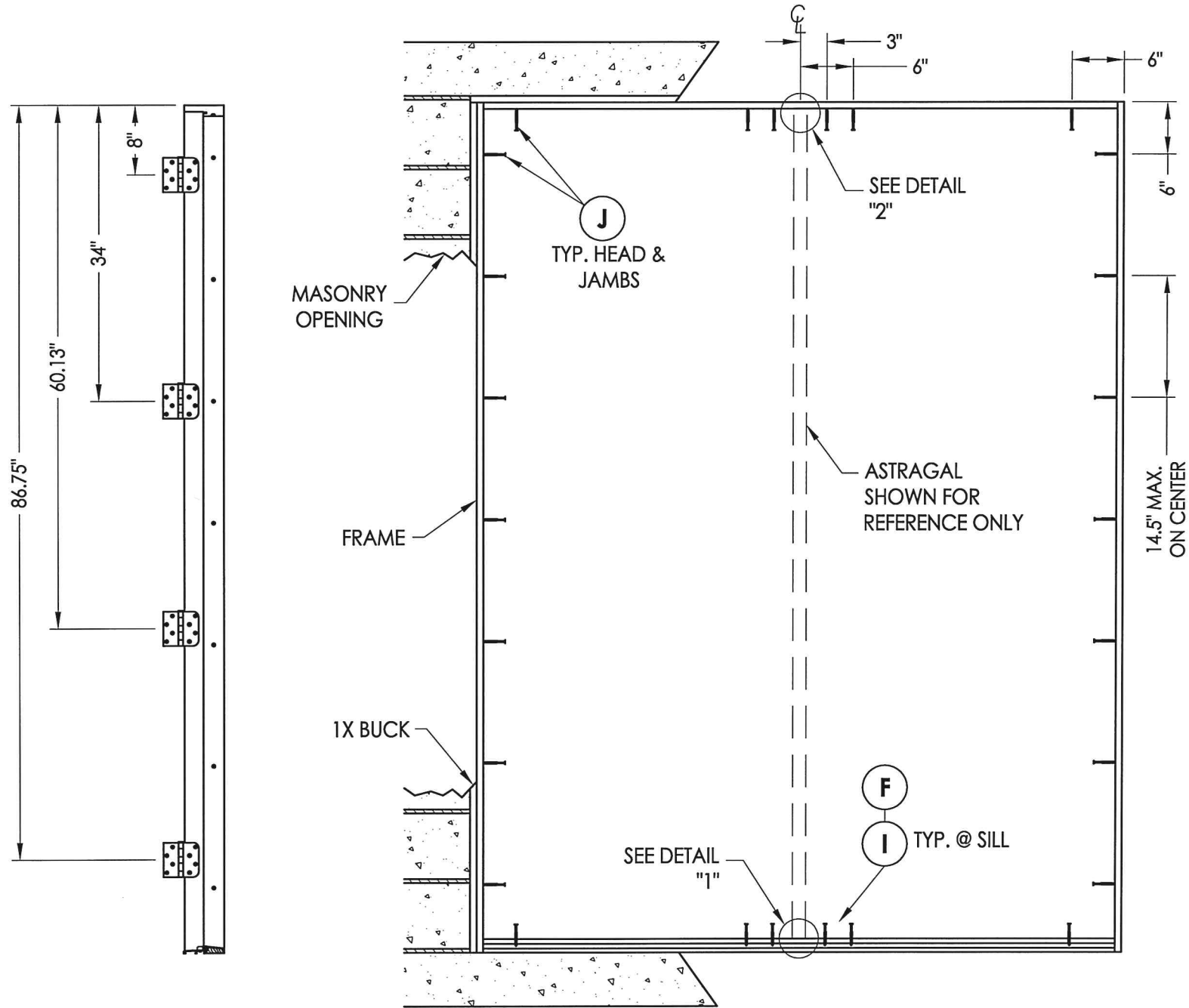
- WOOD SCREW INSTALLATION NOTES:**
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



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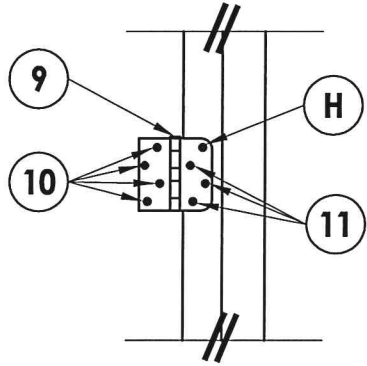
PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION
DATE:	02/16/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15213.35
SHEET	5 OF 8



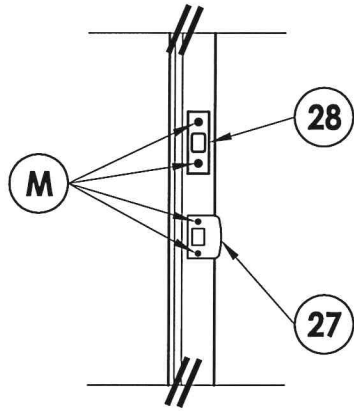
HINGE JAMB

FRAME ANCHORING
Masonry 1X buck construction

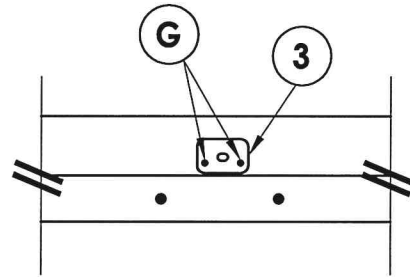
ASTRAGAL STRIKE JAMB



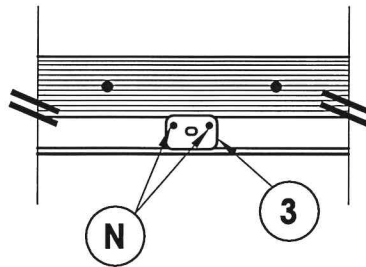
HINGE DETAIL



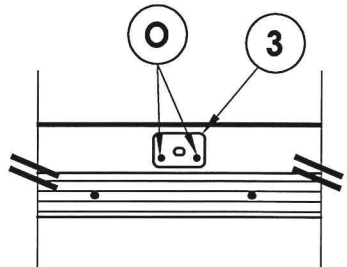
LATCH & DEADBOLT DETAIL



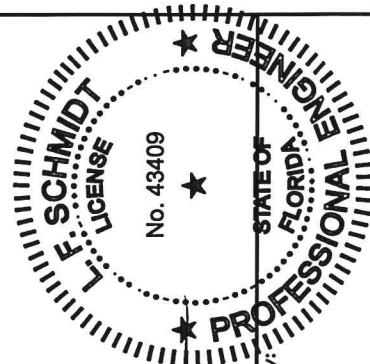
DETAIL 2



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration



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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
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
JK	BY	

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15213.35

SHEET 6 OF 8

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:

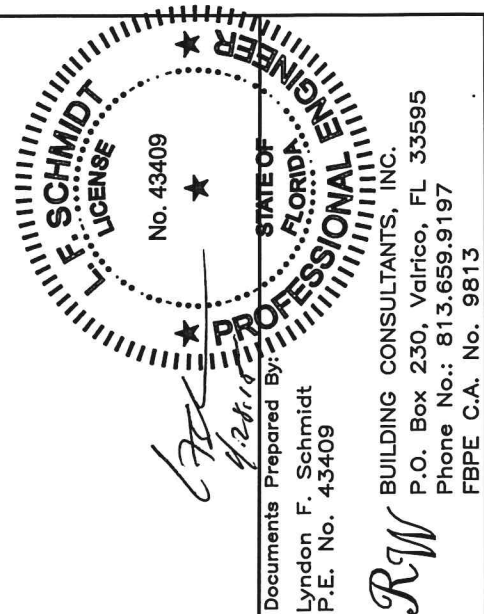
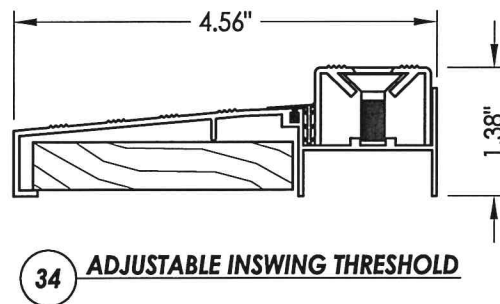
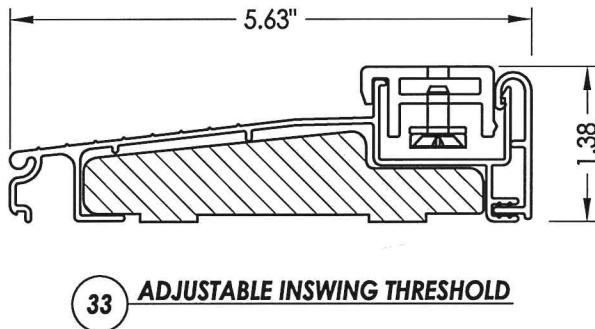
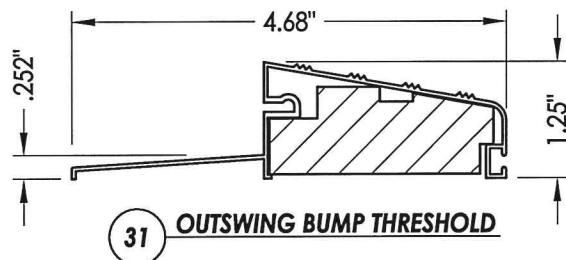
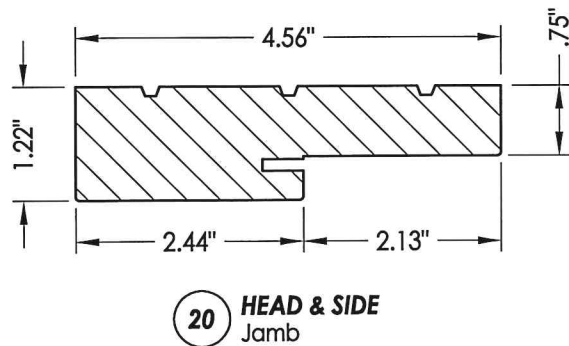
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ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.

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BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	21	POLY FIBER JAMB	COMP./ VINYL
B	2X BUCK SG >= 0.55	WOOD	22	#8 X 2" PFH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	29	SIDELITE SPACER	PVC
			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	33	INSWING ADJUSTABLE THRESHOLD BY ENDURA	ALUM. / WOOD
H	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL	34	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM. / WOOD
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL	35	SHOE MOULD 5/8" X 3/8"	WOOD
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL	38	GLAZING SPACER	ALUM.
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL	39	LIP LITE ODL/WESTERN REFLECTIONS HP	POLYPROPYLENE
M	#9 X 2-1/4" PFH WOOD SCREW	STEEL	40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
N	3/16" X 3-1/2" PFH ITW CONCRETE SCREW	STEEL	41	DOOR SKIN (MIN. 0.086" THICK)	FIBERGLASS
O	3/16" X 1-1/2" PFH ITW CONCRETE SCREW	STEEL	42	TOP RAIL	CELLULAR PVC
1	#10 X 2-1/2" PFH SMS	STEEL	43	LATCH & HINGE STILE	CELLULAR PVC
2	#8 X 3" PSH SMS	STEEL	44	LATCH AND HINGE STILE SUPPORT	WOOD
3	FLUSH BOLT STRIKE PLATE	STEEL	45	BOTTOM RAIL	CELLULAR PVC
5	#10 X 2" PFH SCREW	STEEL	46	POLYURETHANE FOAM BY NAN YA	POLYURETHANE
6	SEALANT	SILICONE	47	STILE REINFORCEMENT	STEEL
7	Q-LON 650 WEATHER STRIP SCHLEGEL	FOAM	48	REINFORCEMENT RETAINING SCREW	NYLON
9	4" X 4" BUTT HINGE	STEEL	49	GLAZING COMPOUND DOW 995	SILICONE
10	#9 X 3-1/2" PFH WOOD SCREW	STEEL	55	#8 x 1-1/2" PFH LITE FRAME SCREW	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL	61	9-3/4" LENGTH TOP BOLT RETAINER	ALUMINUM
17	KWIKSET KEYED ENTRY - SIGNATURE SERIES	STEEL	62	9-3/4" LENGTH BOTTOM BOLT RETAINER	ALUMINUM
18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL	65	ASTRAGAL BY ENDURA PRODUCTS	ALUMINUM
20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD	67	SLIDE BOLT ROD	STEEL



PRODUCT:		PLASTPRO INC.	
		FIBERGLASS DOOR	
PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
DATE:	02/16/12	NO.	1
SCALE:	N.T.S.	DATE	04/22/15
DWG. BY:	JK	UPDATE TO	5TH ED. (2014)
CHK. BY:	LFS	FBC	
DRAWING NO.:	FL-15213.35	BY	JK
SHEET	8	REVISIONS	
OF	8		