

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

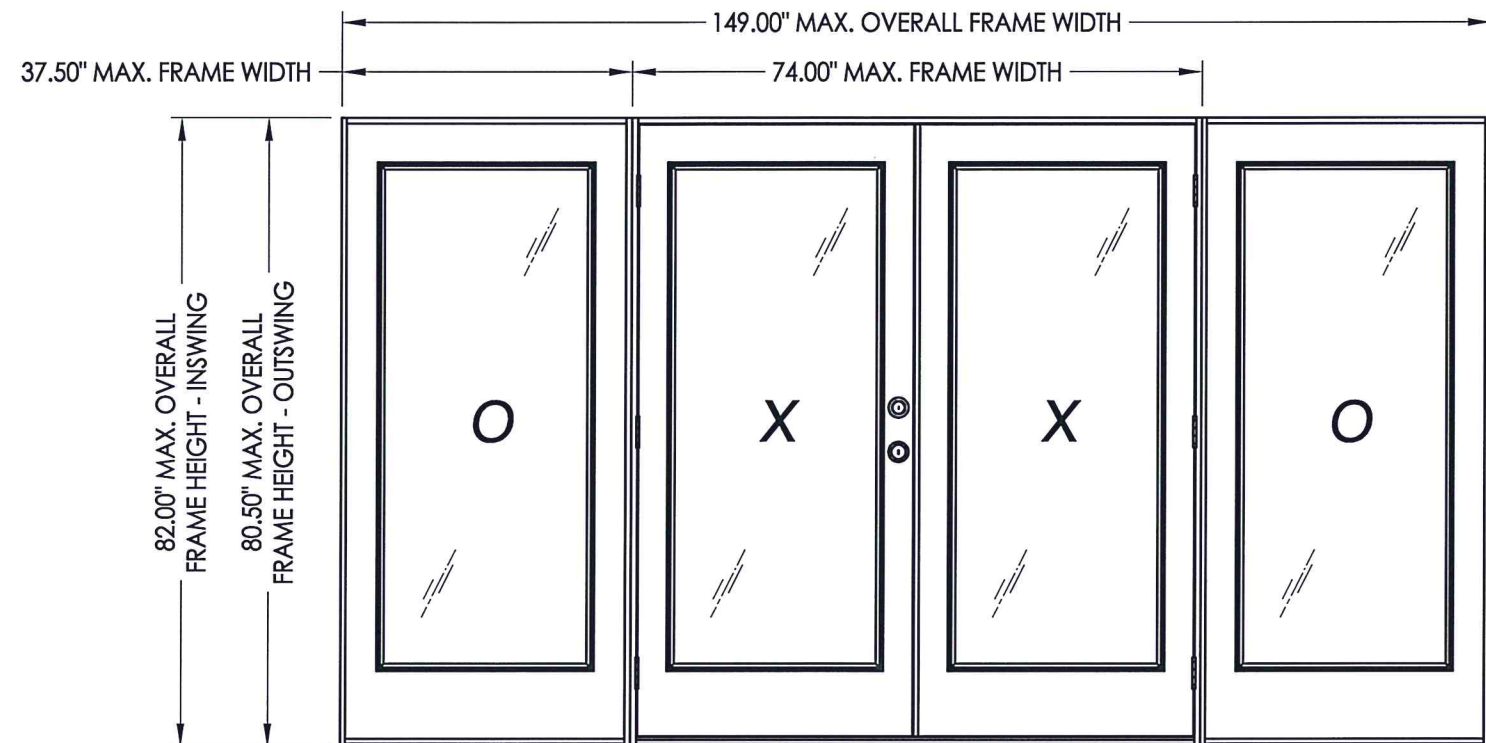
ONELITE SERIES
FLUSH GLAZED FIBERGLASS DOORS
w/ SIDELITES
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

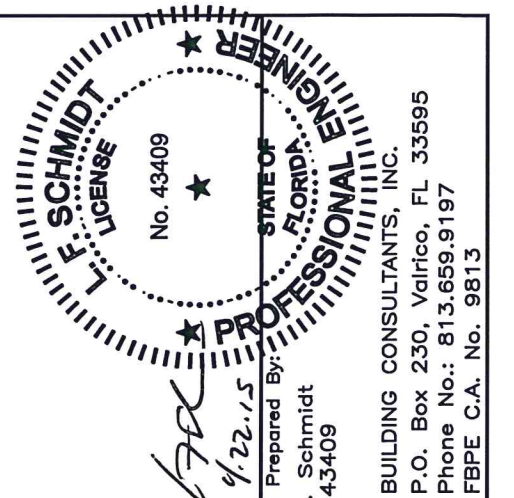
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.

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9	Frame anchoring 1X buck masonry construction
10	Endura astragal details
11	Bill of materials, glazing detail & components



SWING	OVERALL FRAME DIMENSION	DOOR D.L.O. DIMENSION	SIDELITE D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
INSWING	149.00" x 82.00"	26.25" x 65.93"	7.00" x 65.93"	G1	+50.0	-50.0
OUTSWING	149.00" x 80.50"	26.25" x 65.93"	7.00" x 65.93"		+50.0	-50.0

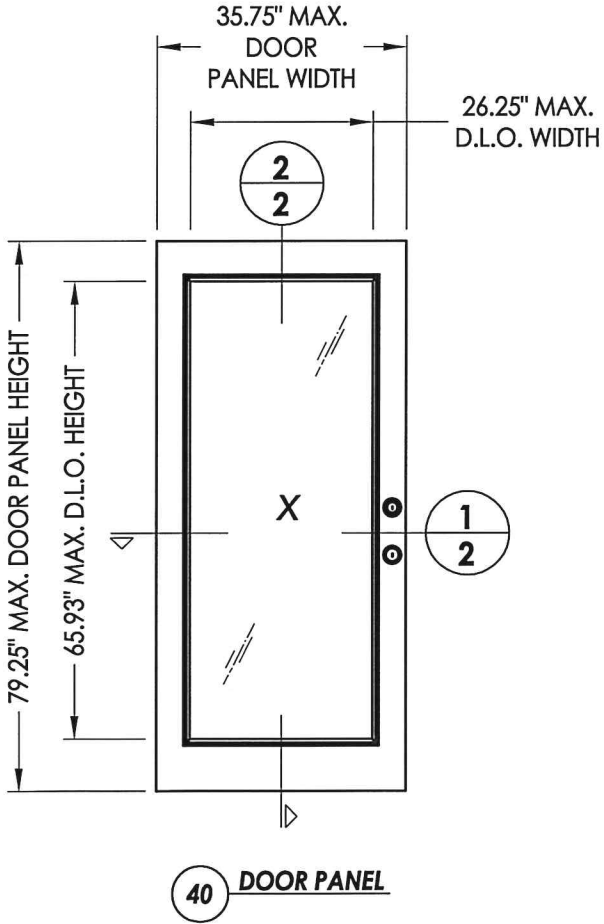


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

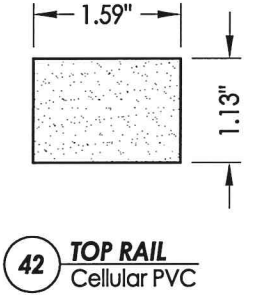
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: JK RW BY	
REVISIONS		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
2	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK
1	2/27/13	REVISED GLAZING DETAIL	RW
NO.	DATE		
DATE: 02/15/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15215.15			
SHEET 1 OF 11			

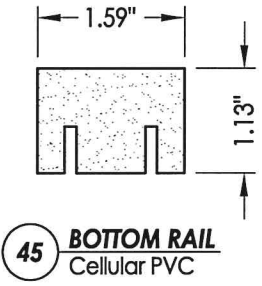
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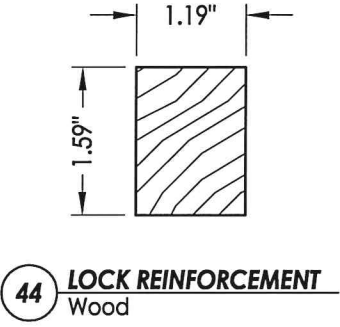
40 DOOR PANEL



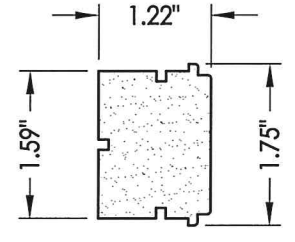
42 TOP RAIL
Cellular PVC



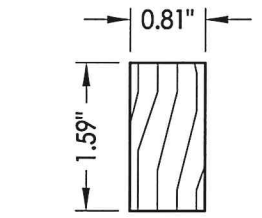
45 BOTTOM RAIL
Cellular PVC



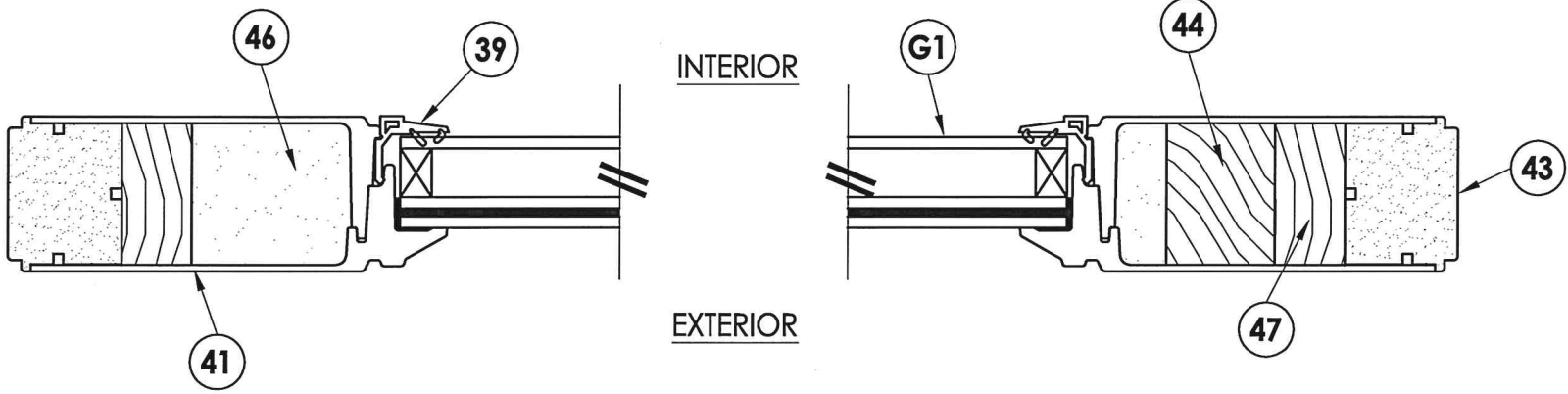
44 LOCK REINFORCEMENT
Wood



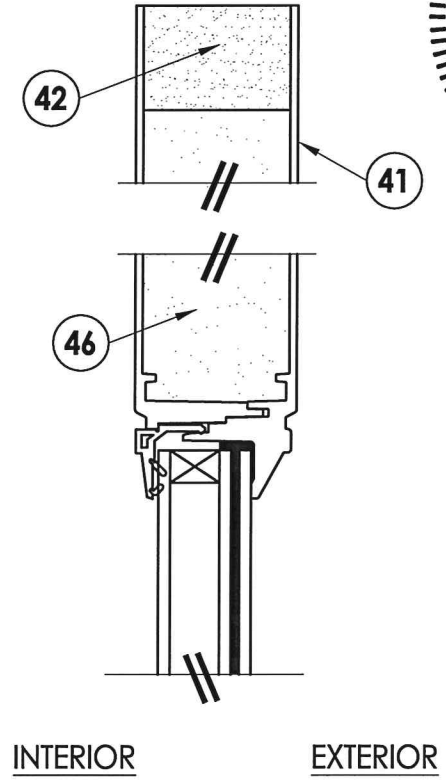
43 LATCH & HINGE STILE
Cellular PVC



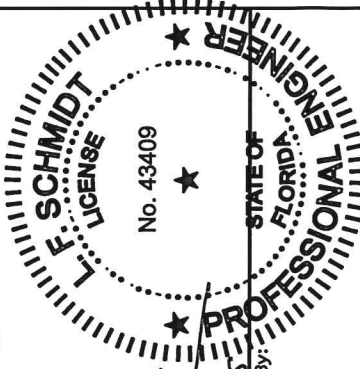
47 LATCH & HINGE STILE
Wood reinforcement



1/2 HORIZONTAL CROSS SECTION



2/2 VERTICAL CROSS SECTION

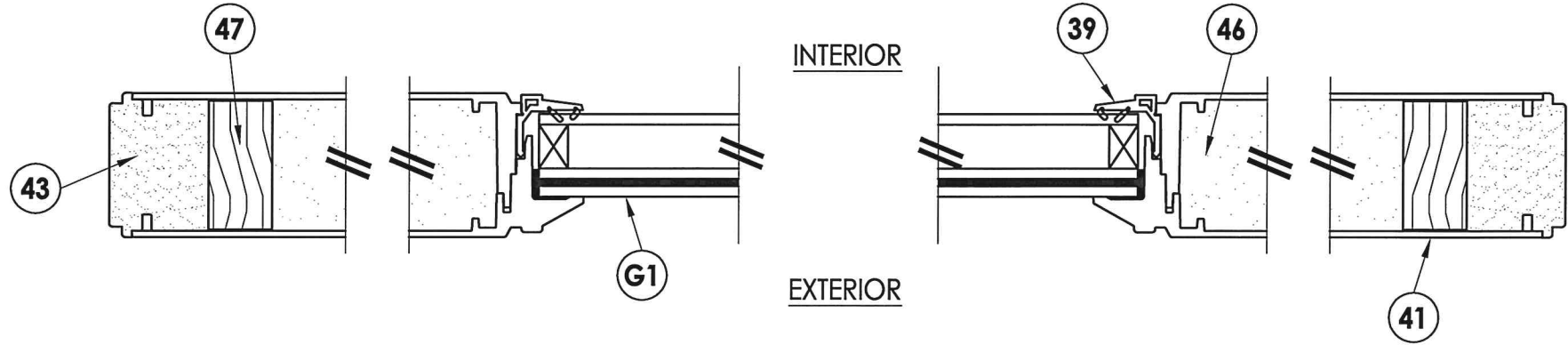
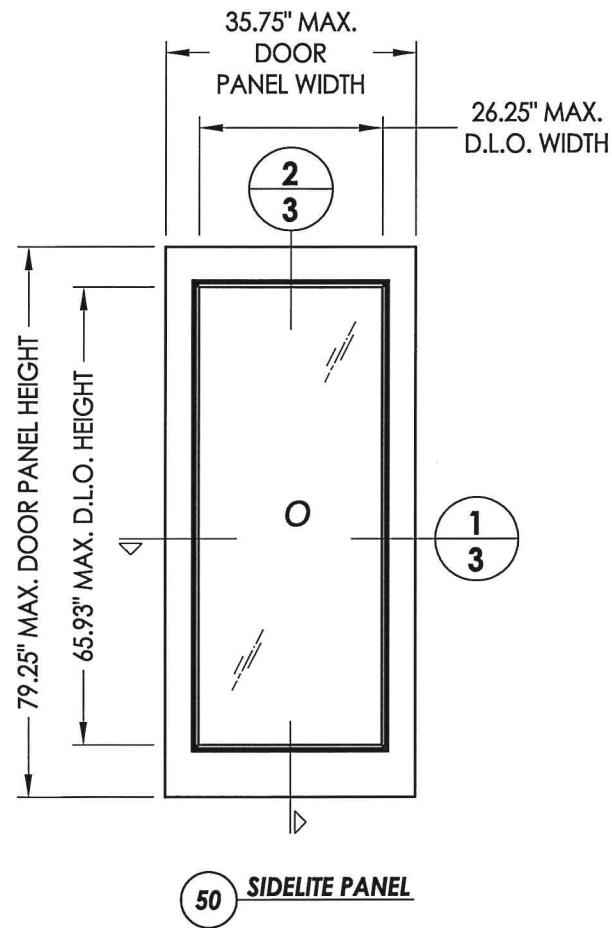


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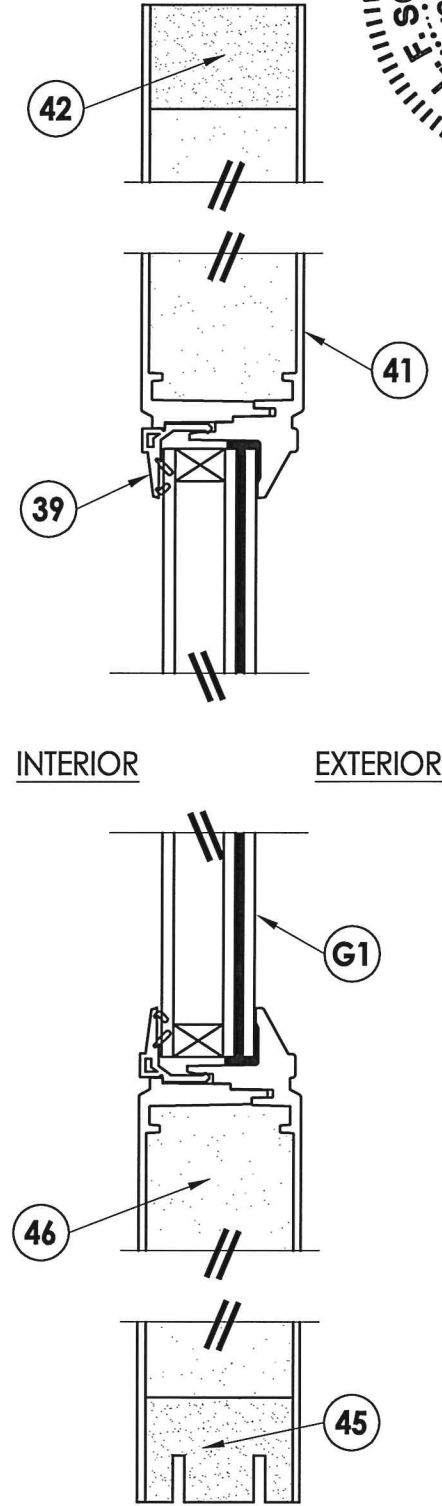
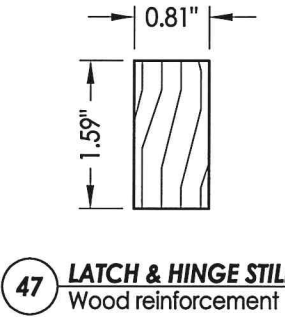
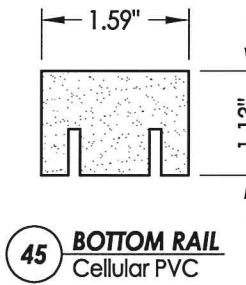
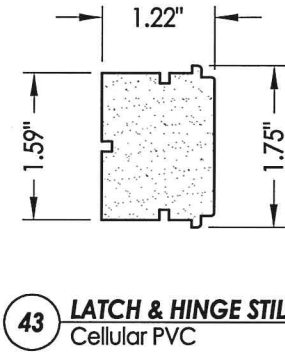
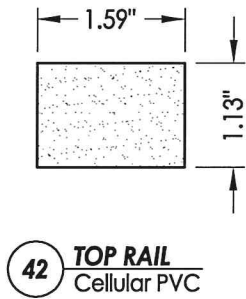
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		JK	RW
2	04/22/15	UPDATE TO 5TH ED. (2014) FBC	BY
1	2/27/13	REVISED GLAZING DETAIL	NO. DATE
REVISIONS			
DATE: 02/15/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15215.15			
SHEET 2 OF 11			

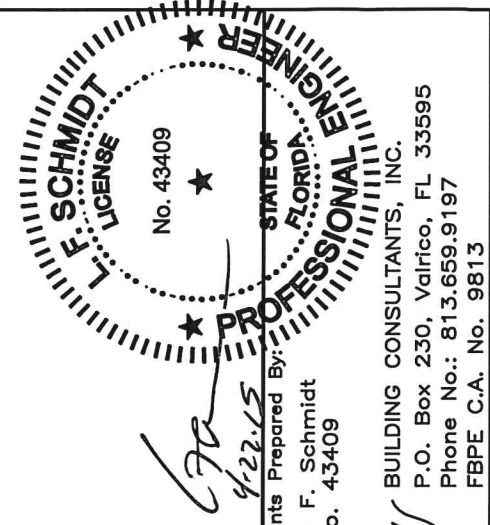
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1/3 HORIZONTAL CROSS SECTION



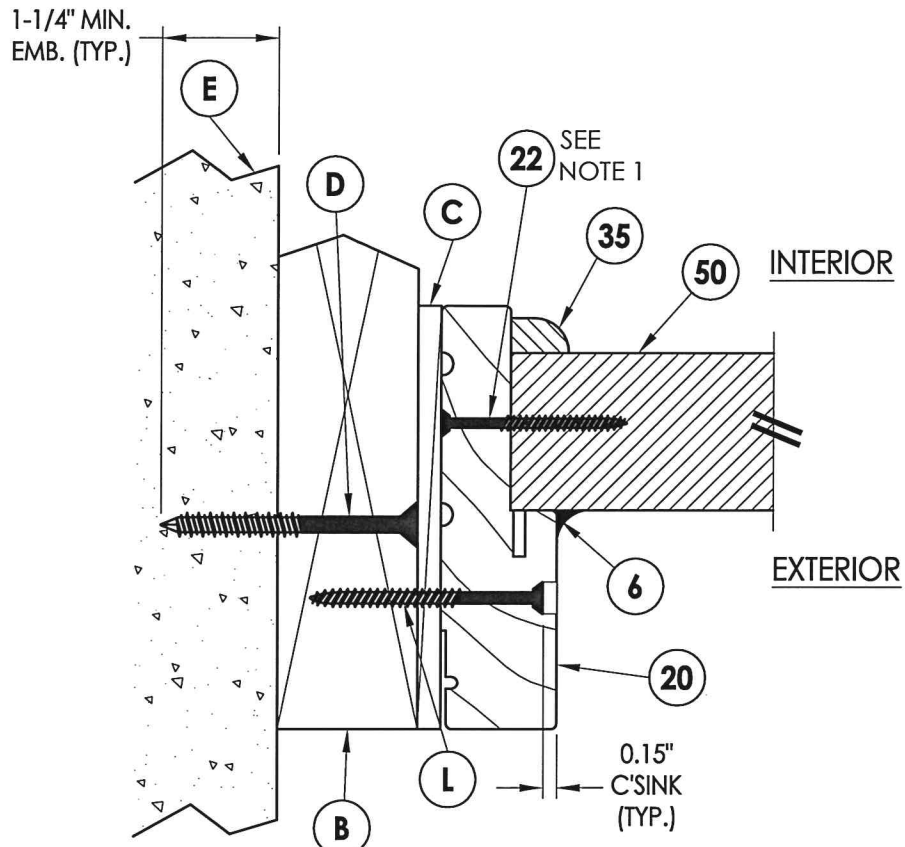
2/3 VERTICAL CROSS SECTION



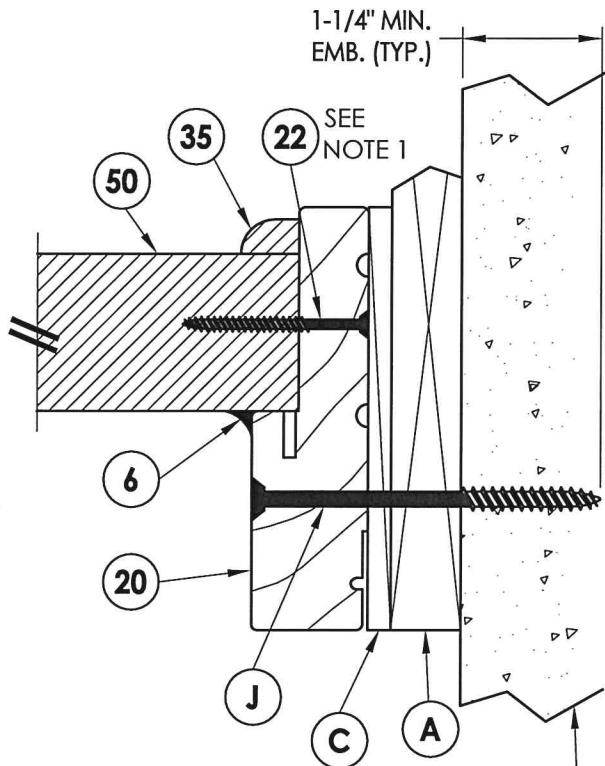
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PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
NO.	DATE	REVISIONS	
		JK	BY
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1	2/27/13	REVISED GLAZING DETAIL	RW

DATE: 02/15/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15215.15
SHEET 3 OF 11

R:\Clients\Plastpro, Inc PERMANENT\Florida Product Approvals\FL-15215\C - Drawings\Current\FL-15215.11-20.dwg, 4.5



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

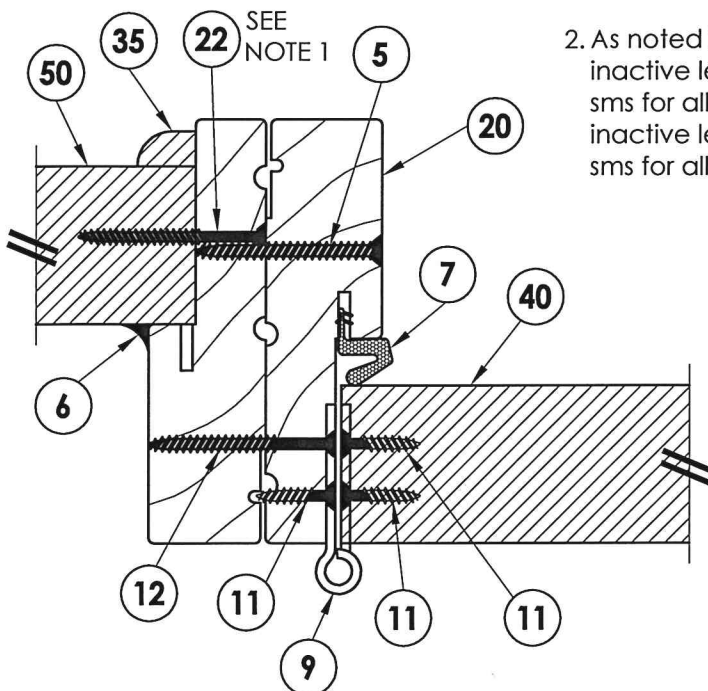


4
4 **HORIZONTAL CROSS SECTION**
Shown w/1X sub-buck

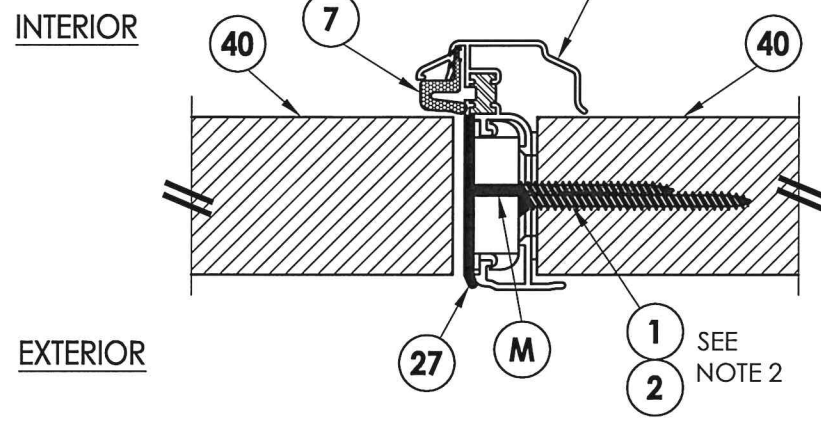
NOTE:

1. Sidelite panel secured to the sidelite frame with (4) of item #22 located 10", 30.5", 51" and 71.5" from top of each jamb and (2) of item #22 in the head and sill 3" from each end.

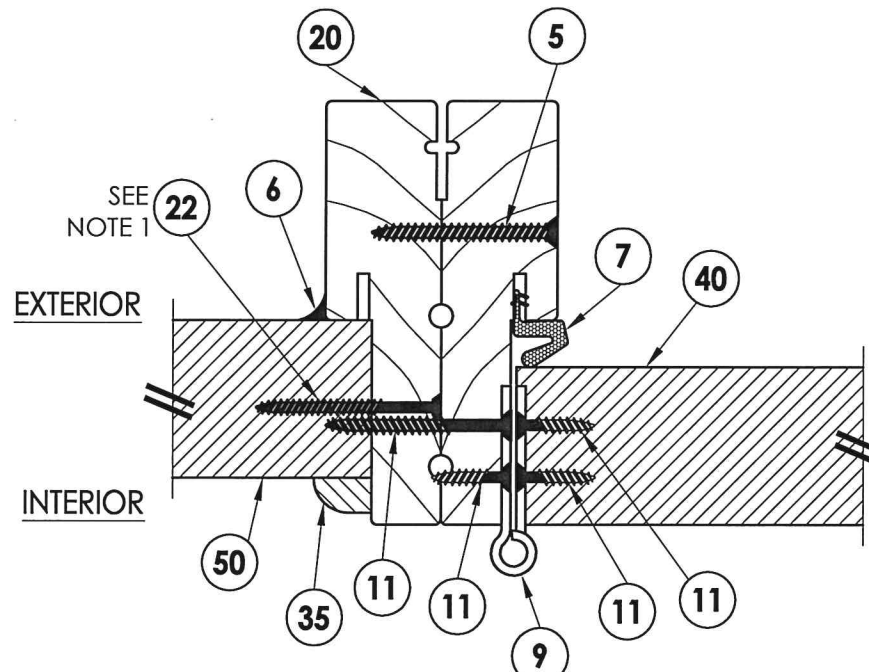
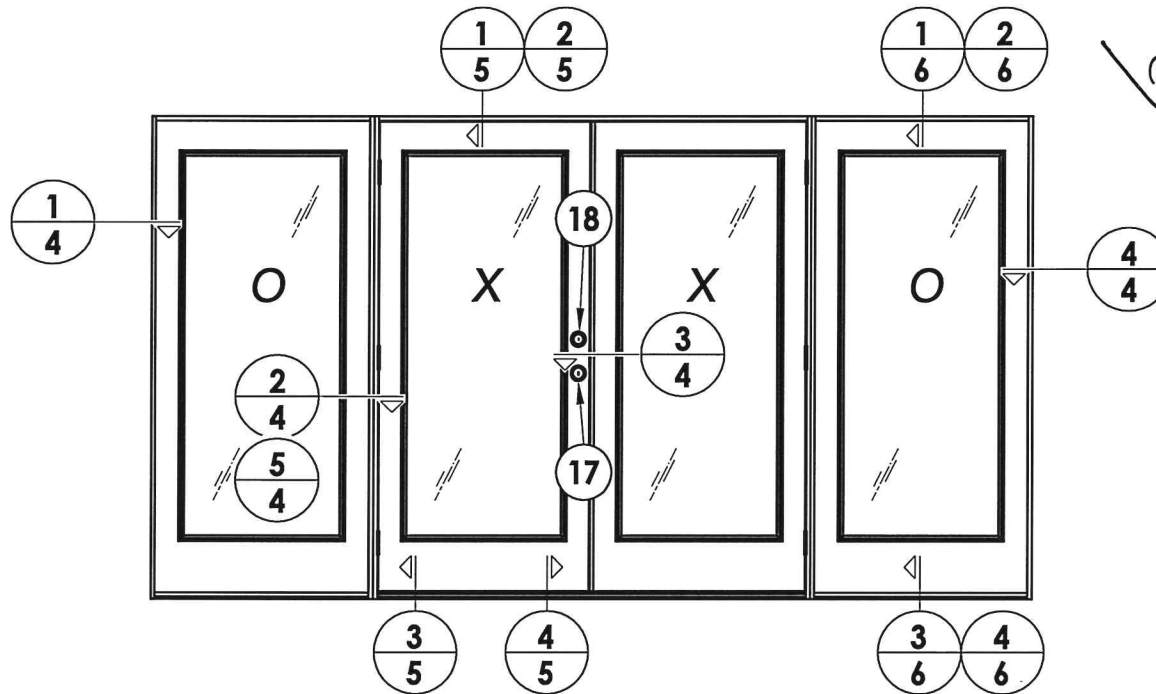
2. As noted in the test report astragal was attached to the inactive leaf with (10) #8 x 3" psh sms and (4) #10 x 2-1/2 pfh sms for all 6'-8" (outswing). Astragal was attached to the inactive leaf with (9) #8 x 3" psh sms and (4) #10 x 2-1/2" pfh sms for all 6'-8" (inswing).



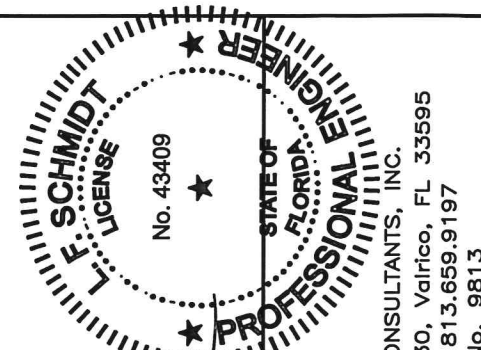
2
4 **HORIZONTAL CROSS SECTION**
Outswing configuration



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



5
4 **HORIZONTAL CROSS SECTION**
Inswing configuration



Documents Prepared By:
Lyndon F. Schmidt
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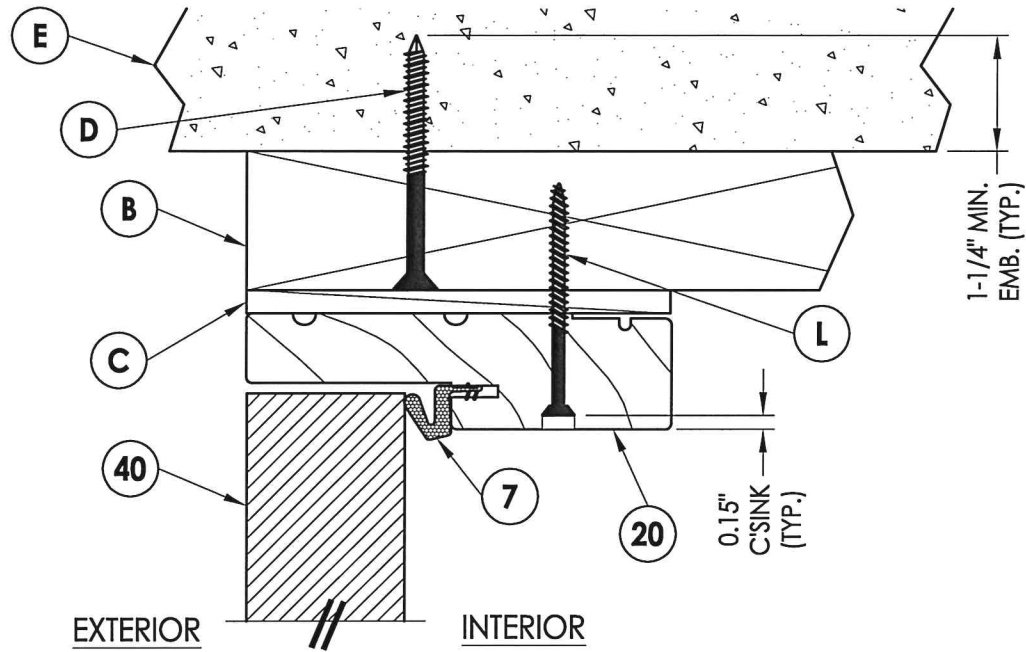
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

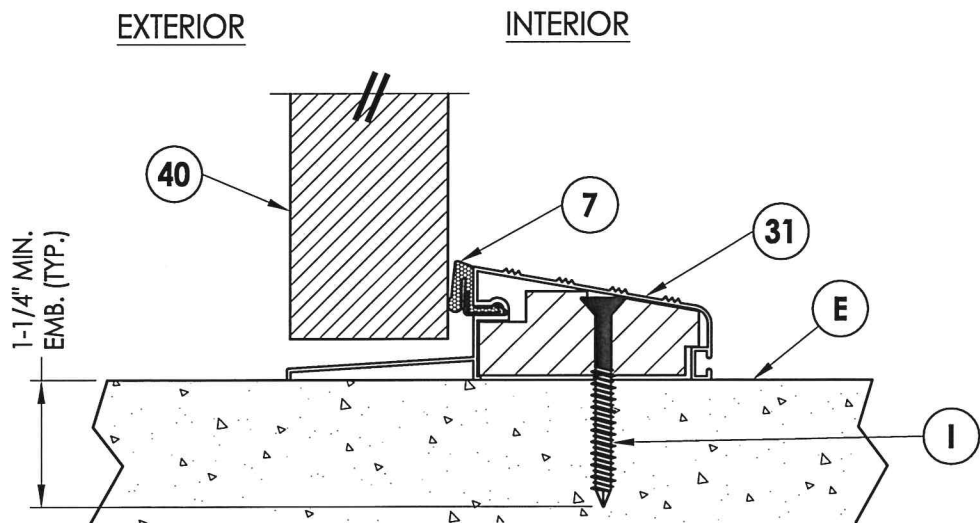
NO.	DATE	REVISIONS
2	04/22/15	UPDATE TO 5TH ED. (2014) FBC
1	2/27/13	REVISED GLAZING DETAIL

DATE: 02/15/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15215.15
SHEET 4 OF 11

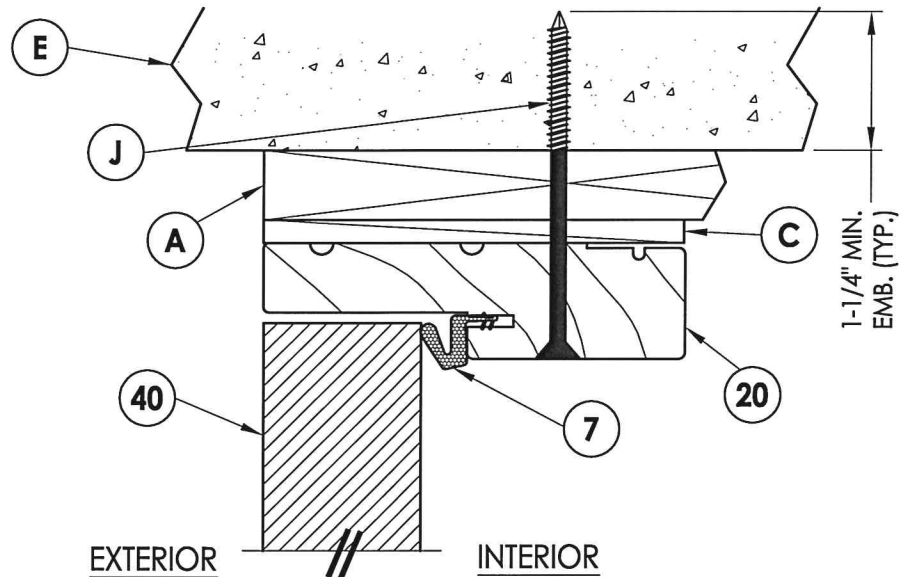
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813



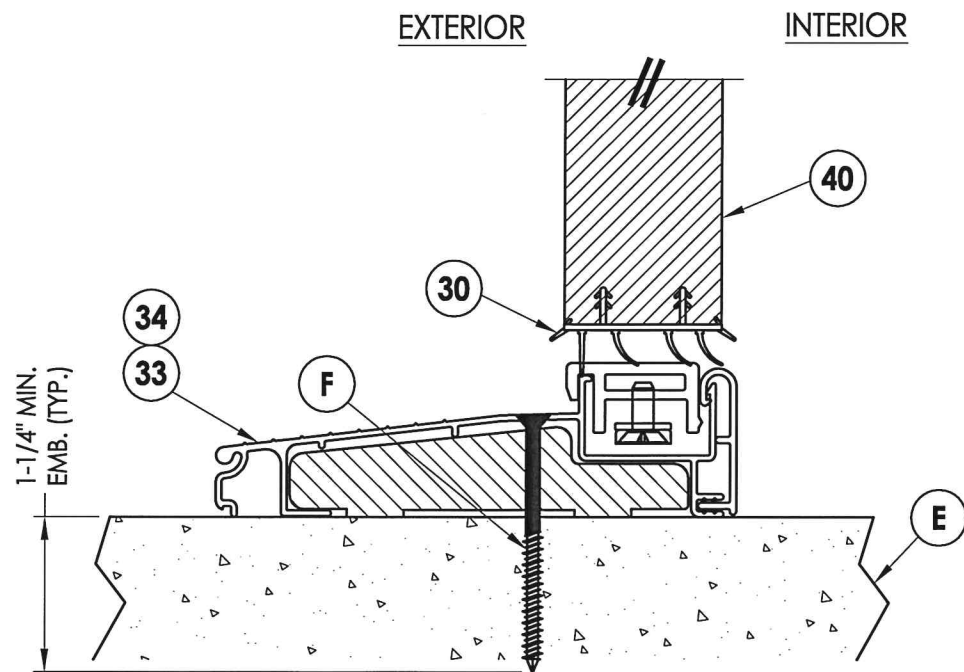
1
5 **VERTICAL CROSS SECTION**
Outswing shown - inswing
also approved



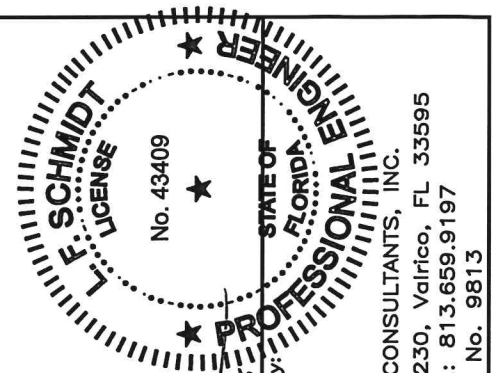
3
5 **VERTICAL CROSS SECTION**
Outswing configuration



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



4
5 **VERTICAL CROSS SECTION**
Inswing configuration



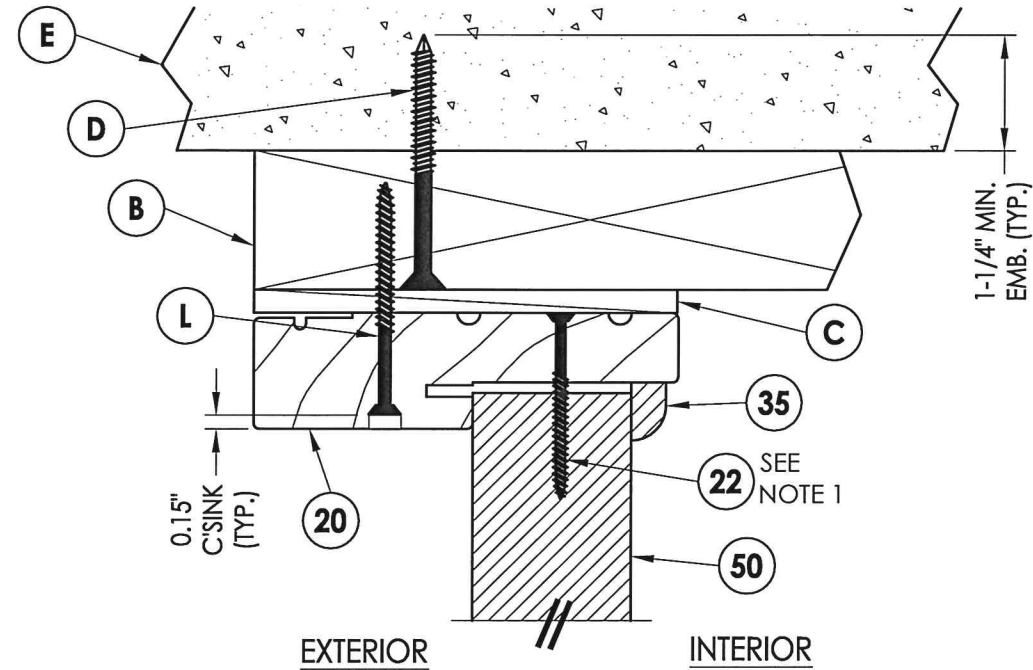
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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	REVISIONS
2	04/22/15	UPDATE TO 5TH ED. (2014) FBC
1	2/27/13	REVISED GLAZING DETAIL
JK		
RW		
BY		

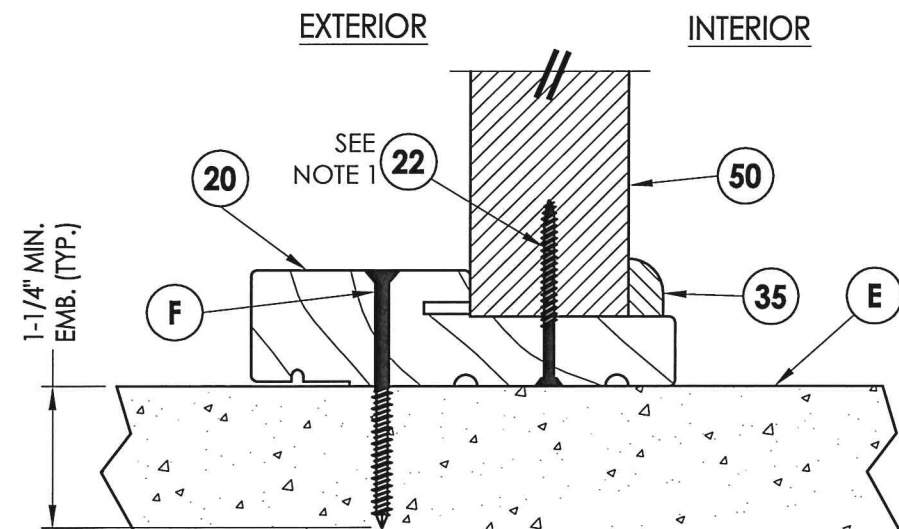
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15215.15
SHEET	5 OF 11



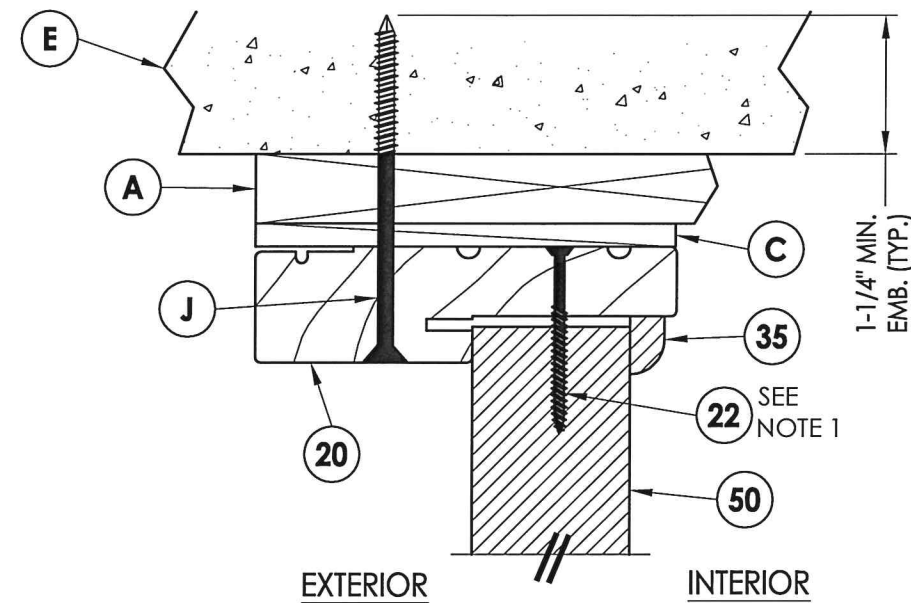
1 **VERTICAL CROSS SECTION**
6 Outswing shown - inswing
also approved

NOTE:

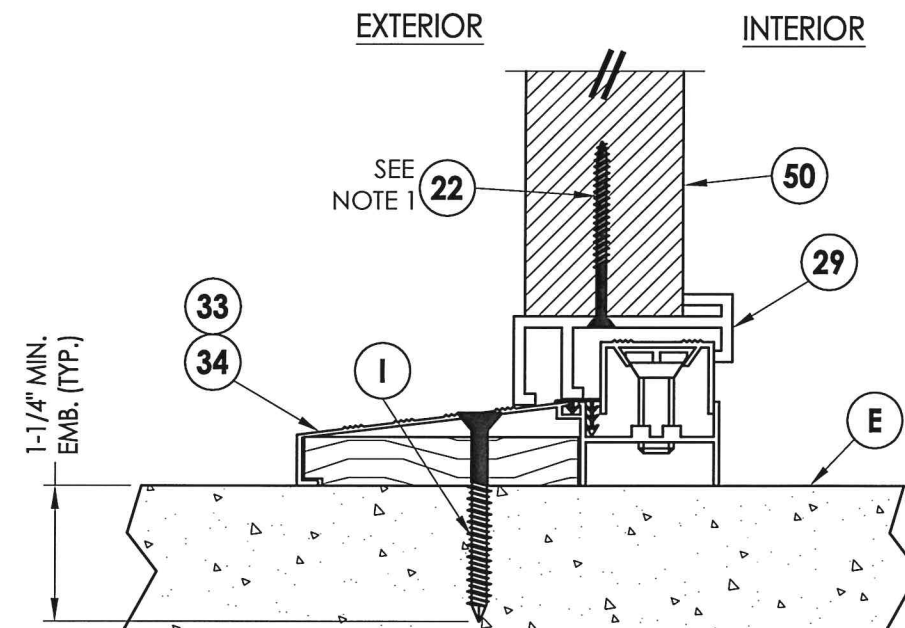
1. Sidelite panel secured to the sidelite frame with (4) of item #22 located 10", 30.5", 51" and 71.5" from top of each jamb and (2) of item #22 in the head and sill 3" from each end



3 **VERTICAL CROSS SECTION**
6 Outswing configuration



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

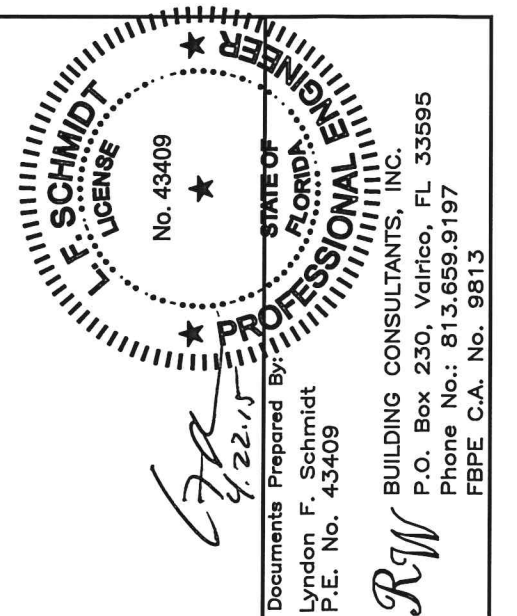


4 VERTICAL CROSS SECTION
6 Inswing configuration

[illegible]

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"

BUCK ANCHORING

[illegible]

Technical drawing of a window assembly showing a cross-section and elevation view.

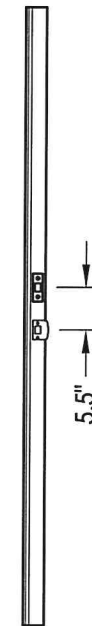
Cross-section (Left):

- MASONRY OPENING
- FRAME
- 2X BUCK

Elevation View (Right):

- L** TYP. HEAD & JAMBS
- 5** TYP. (ASTRAGAL SHOWN FOR REFERENCE ONLY)
- F** **I** TYP. @ SILL
- SEE DETAIL "1"
- SEE DETAIL "2"
- 14" MAX. O.C. (TYP.)
- 18.5" MAX. O.C. (TYP.)
- 4.5" (multiple dimensions)
- 6" (dimension)

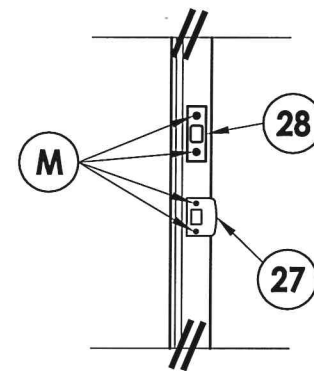
ASTRAGAL STRIKE JAMB



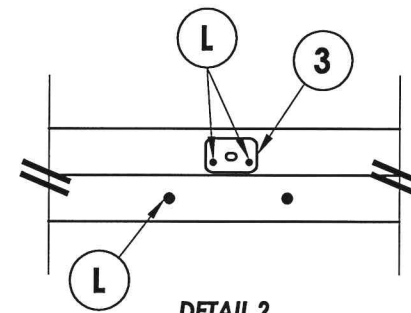
HINGE DETAIL

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"

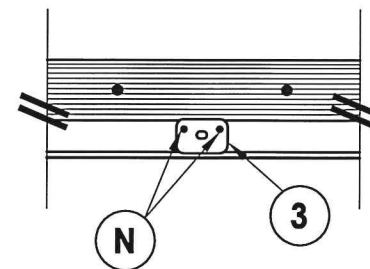
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



LATCH & DEADBOLT DETAIL

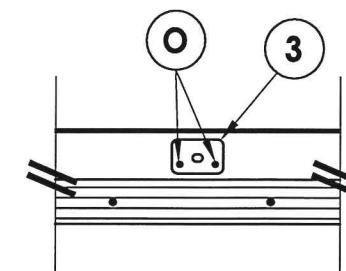


DETAIL 2

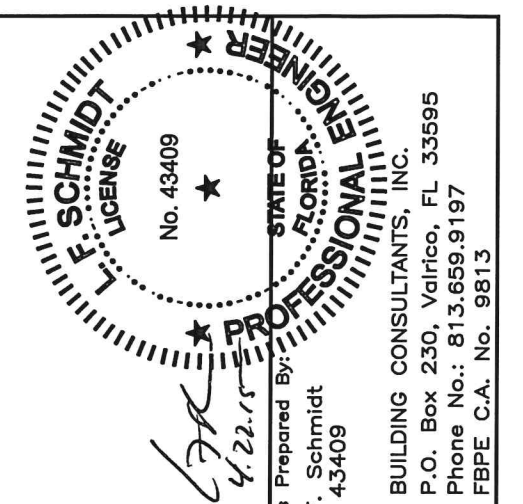


DETAIL 1

Inswing configuration



Outswing configuration



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:
FRAME ANCHORING 2X BUCK
MASONRY CONSTRUCTION

[illegible]

DATE: 02/15/12

SCALE: *N.T.S.*

DWG. BY: JK

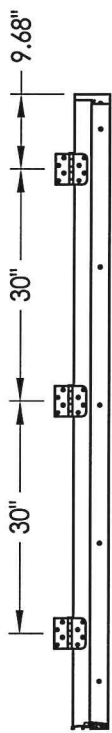
CHK. BY: LFS

DRAWING NO.:

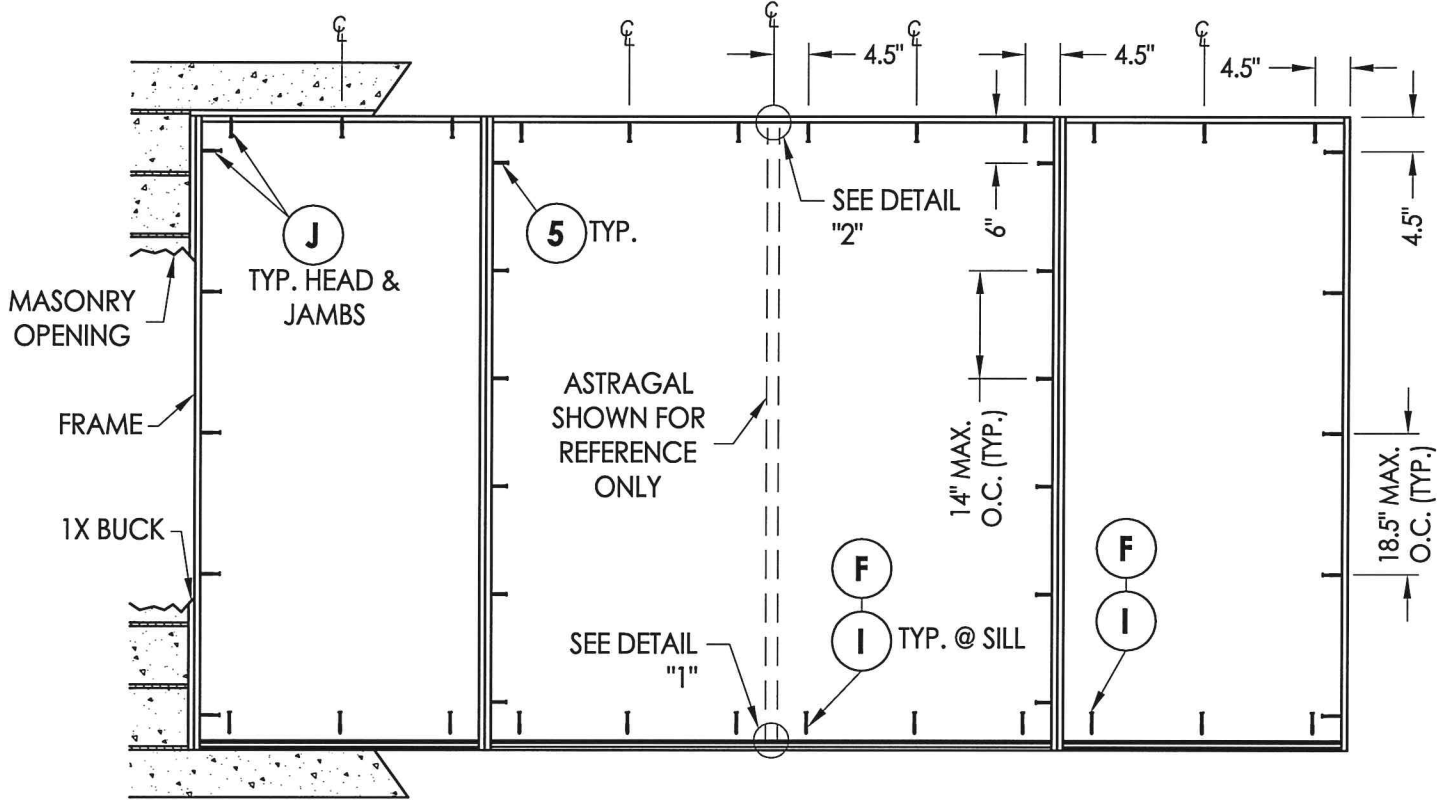
FL-15215.15

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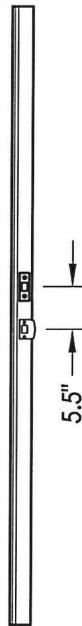
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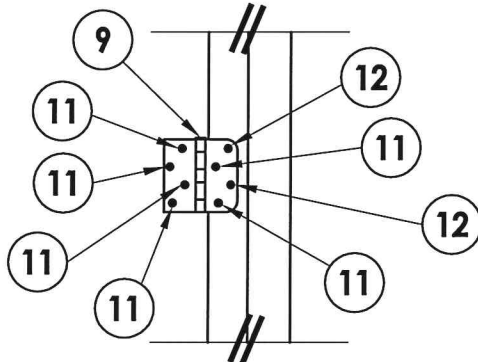
HINGE JAMB



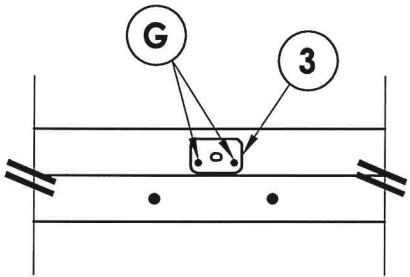
FRAME ANCHORING
Masonry 1X buck construction



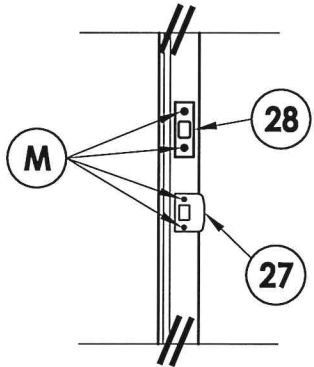
ASTRAGAL STRIKE JAMB



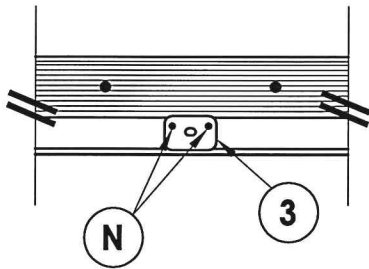
HINGE DETAIL



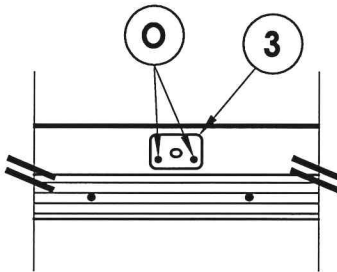
DETAIL 2



LATCH & DEADBOLT DETAIL



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration

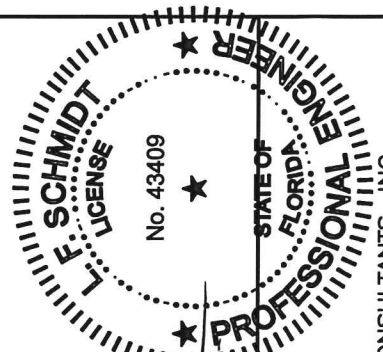
CONCRETE ANCHOR NOTES:

- 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"
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

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: FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION

NO.	DATE	REVISIONS
2	04/22/15	UPDATE TO 5TH ED. (2014) FBC
1	2/27/13	REVISED GLAZING DETAIL

DATE: 02/15/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

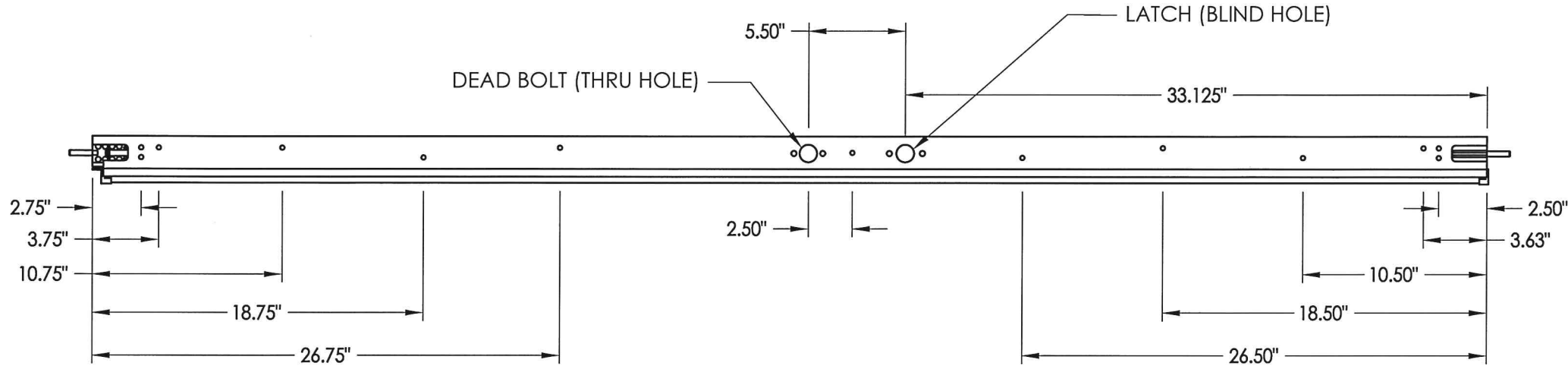
DRAWING NO.: FL-15215.15

SHEET 9 OF 11

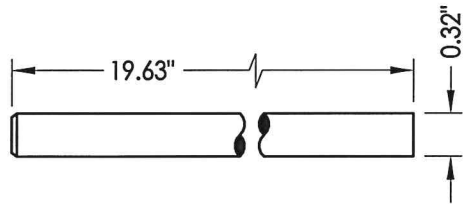
R:\Clients\Plastpro, Inc PERMANENT\Florida Product Approvals\FL - 15215\C - Drawings\Current\FL-15215.11-20.dwg, 10.5

TOP

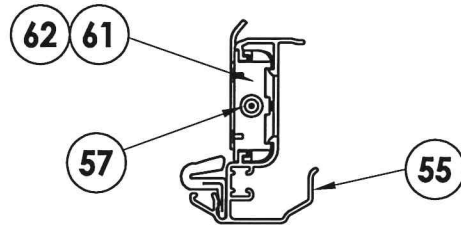
A-A



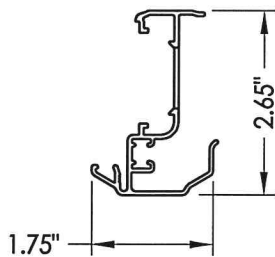
BOTTOM



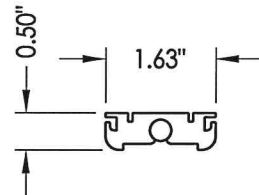
57 SLIDE BOLT ROD
MATL: Steel



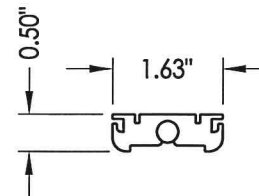
VIEW A-A
Aluminum Astragal Assembly



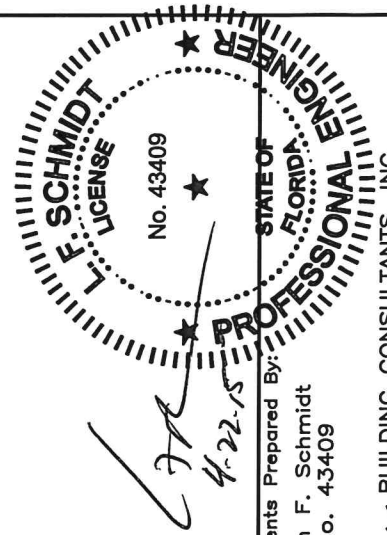
55 ALUMINUM ASTRAGAL
By Endura Product



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



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



Documents Prepared By:
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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:
ENDURA ASTRAGAL DETAILS

REVISIONS		NO.	DATE	BY	CHK.	DATE
2	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK		
1	2/27/13	REVISED GLAZING DETAIL		RW		

DATE: 02/15/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15215.15

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BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
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 STRIKE 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
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	35	SHOE MOULD 5/8" X 3/8"	WOOD
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL	38	GLAZING SPACER	ALUM.
M	#9 X 2-1/4" PFH WOOD SCREW	STEEL	39	GLAZING BEAD	PVC
N	3/16" X 3-1/2" PFH ITW CONCRETE SCREW	STEEL	40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
O	3/16" X 1-1/2" PFH ITW CONCRETE SCREW	STEEL	41	DOOR SKIN (MIN. 0.095" THICK)	FIBERGLASS
1	#10 X 2-1/2" PFH SMS	STEEL	42	TOP RAIL	CELLULAR PVC
2	#8 X 3" PSH SMS	STEEL	43	LATCH & HINGE STILE	CELLULAR PVC
3	FLUSH BOLT STRIKE PLATE	STEEL	44	LATCH & HINGE STILE SUPPORT	WOOD
5	#10 X 2" PFH SCREW	STEEL	45	BOTTOM RAIL	CELLULAR PVC
6	SEALANT	SILICONE	46	POLYURETHANE FOAM	POLYURETHANE
7	Q-LON 650 WEATHER STRIP SCHLEGEL	FOAM	47	LATCH & HINGE STILE	WOOD
9	4" X 4" BUTT HINGE	STEEL	49	GLAZING COMPOUND DOW 995	SILICONE
10	NOT USED	-	50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
11	#9 X 3/4" PFH WOOD SCREW	STEEL	55	ASTRAGAL BY ENDURA PRODUCTS	ALUMINUM
12	#9 X 2" PFH WOOD SCREW	STEEL	57	SLIDE BOLT ROD	STEEL
17	KWIKSET KEYED ENTRY - SIGNATURE SERIES	STEEL	61	9-3/4" LENGTH TOP BOLT RETAINER	ALUMINUM
18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL	62	9-3/4" LENGTH BOTTOM BOLT RETAINER	ALUMINUM

