

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

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

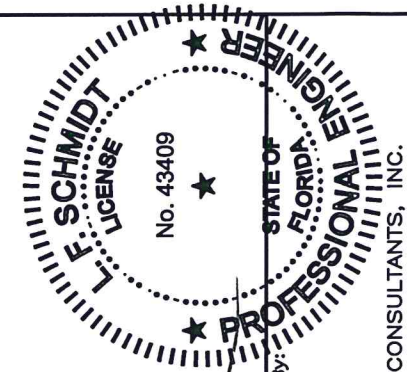
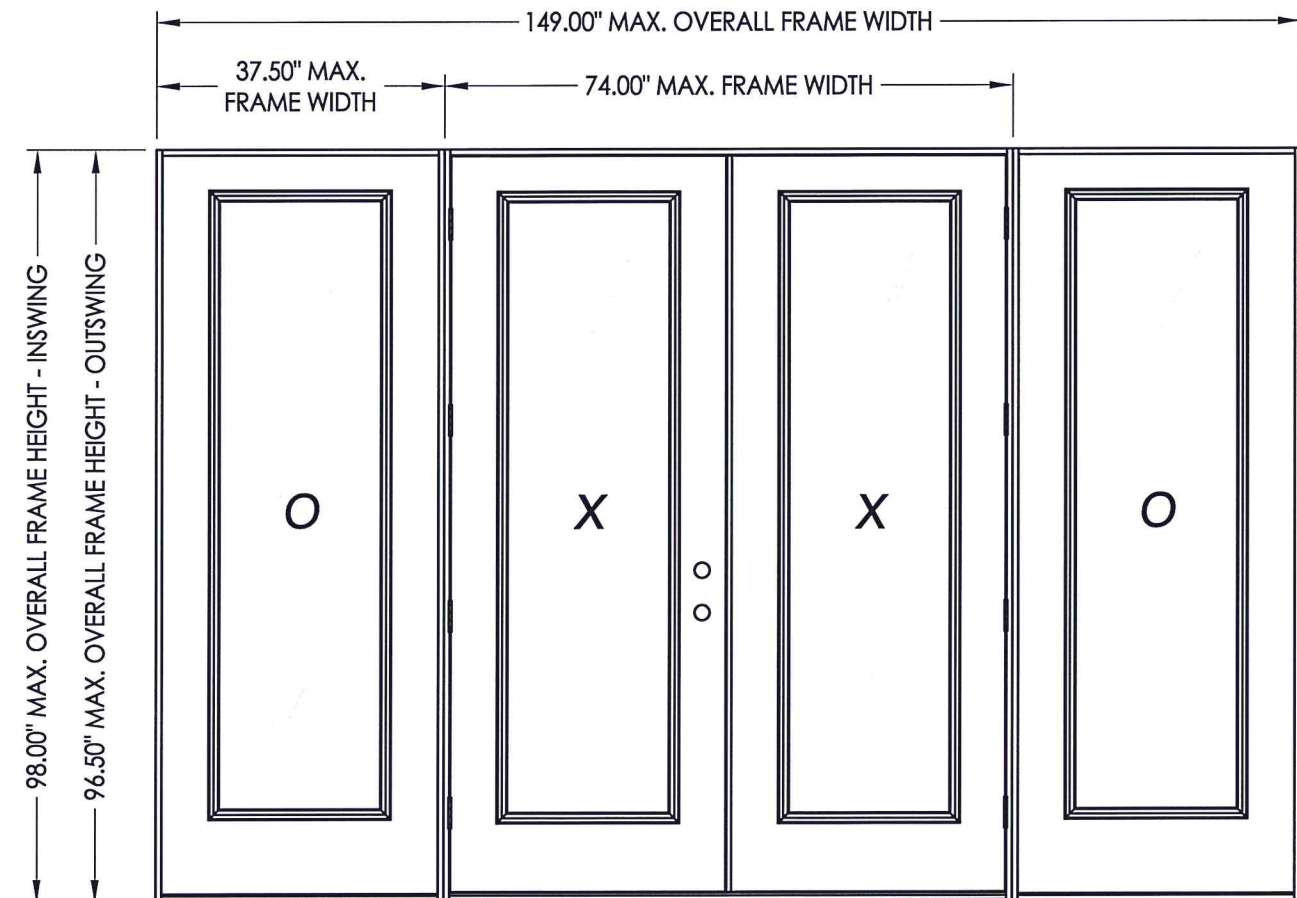
GENERAL NOTES

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 elevation, design pressures, & general notes
2	Door panel details
3	Sidelite panel details
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Buck anchoring
8	Frame anchoring - 2X buck masonry construction
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 98.00"	21.00" x 79.00"	21.00" x 79.00"	G1	+47.5	-47.5
OUTSWING	149.00" x 96.50"	21.00" x 79.00"	21.00" x 79.00"		+50.0	-50.0



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

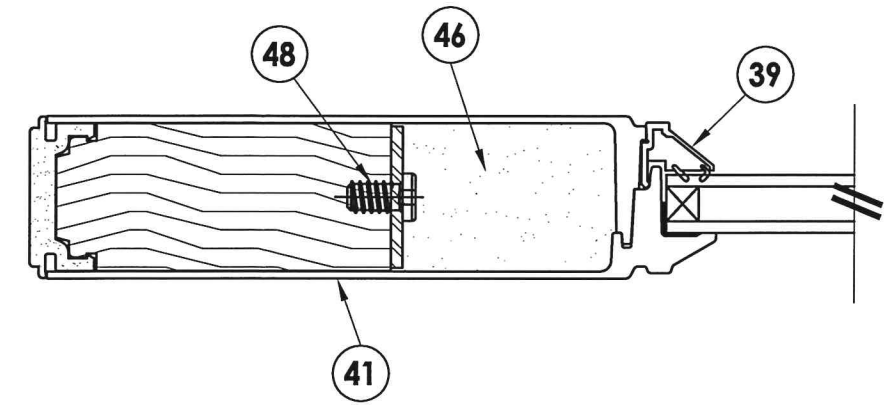
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

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

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

DATE: 02/15/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15215.10
SHEET 1 OF 11

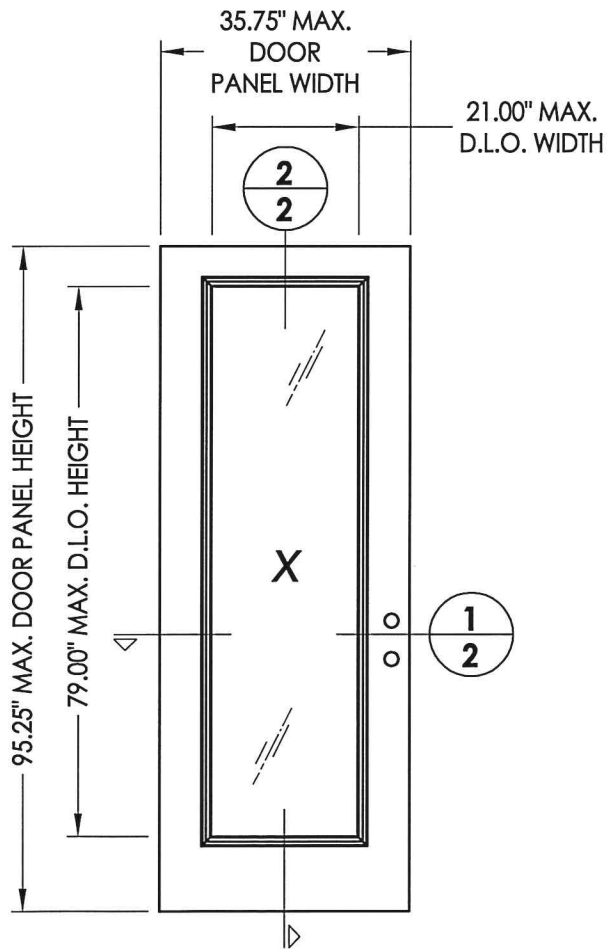
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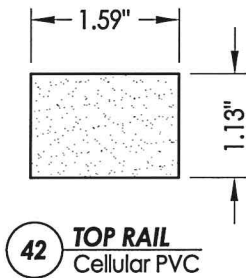
INTERIOR

EXTERIOR

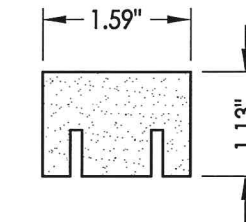
1
2 **HORIZONTAL CROSS SECTION**



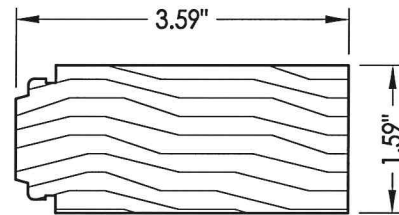
40 **DOOR PANEL**



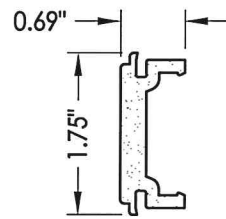
42 **TOP RAIL**
Cellular PVC



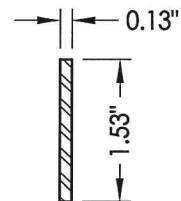
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Cellular PVC



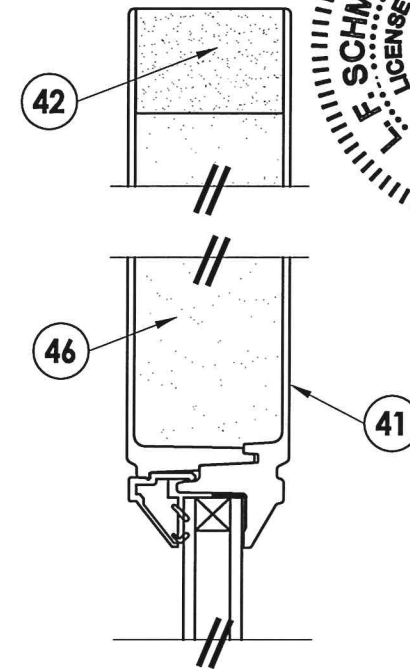
44 **LATCH & HINGE**
Stile support



43 **LATCH & HINGE STILE**
Cellular PVC



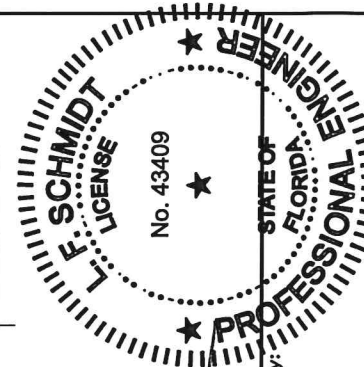
47 **STILE REINFORCEMENT**



INTERIOR

EXTERIOR

2
2 **VERTICAL CROSS SECTION**

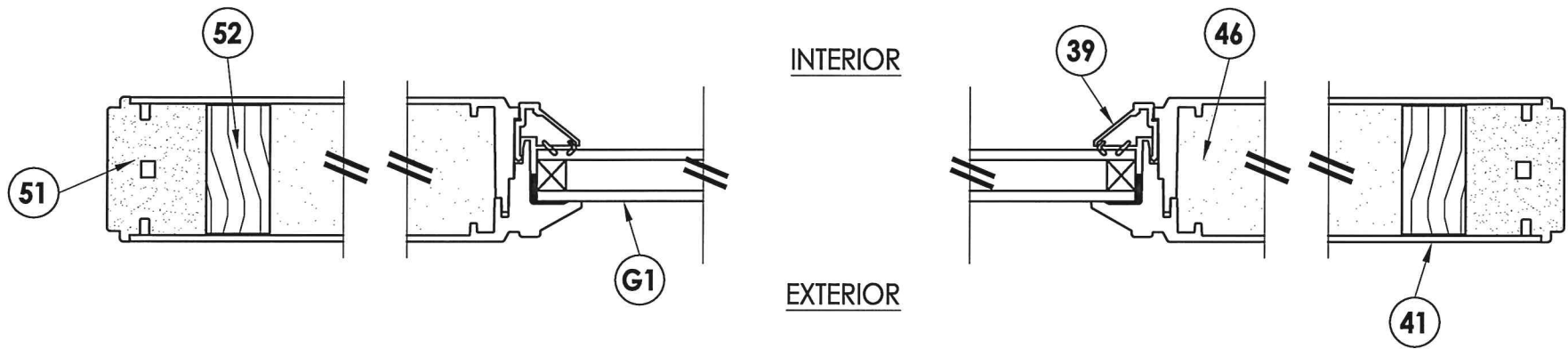
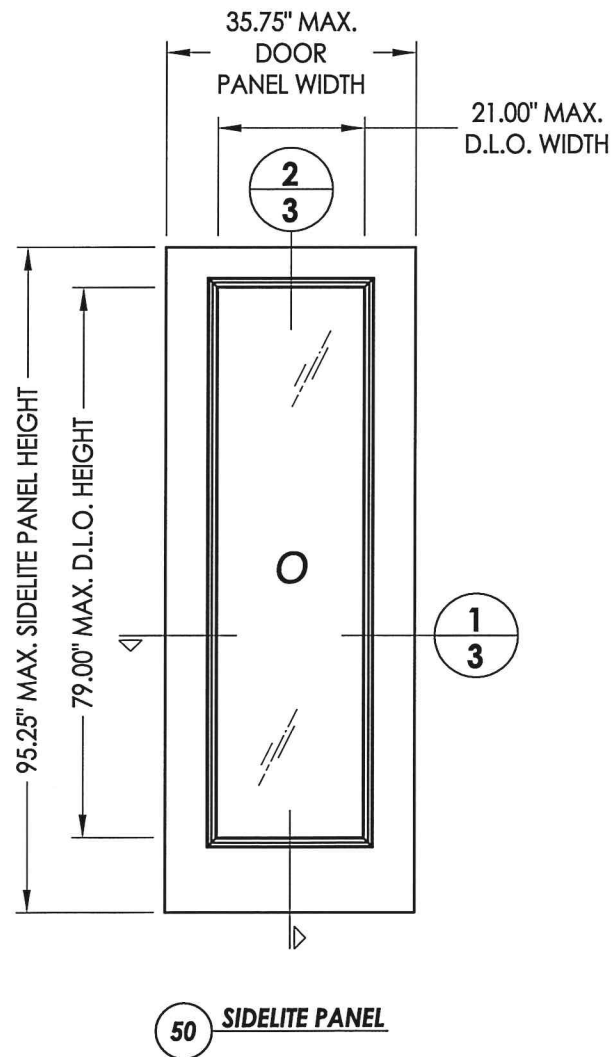


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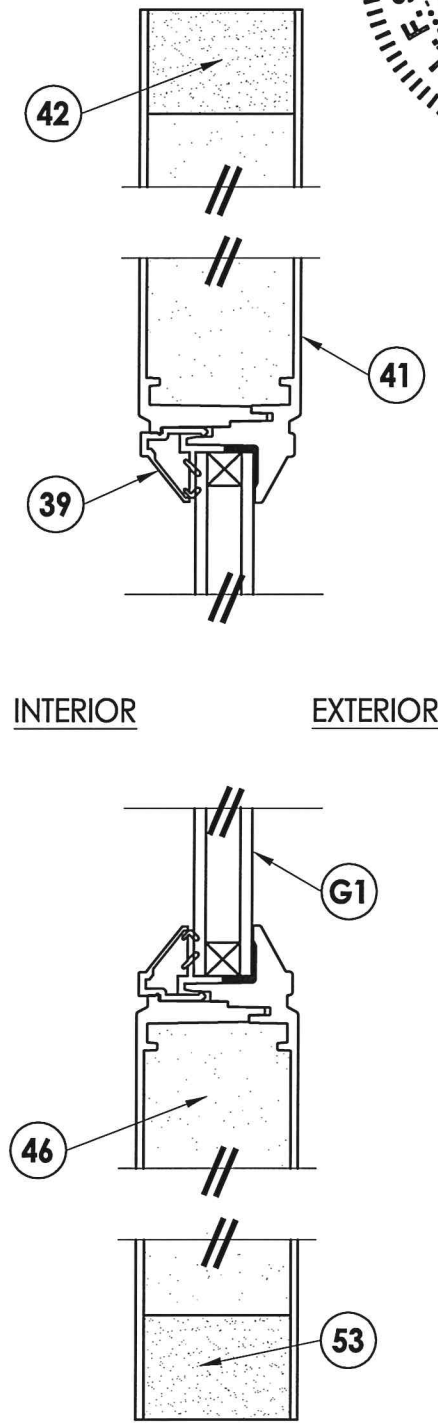
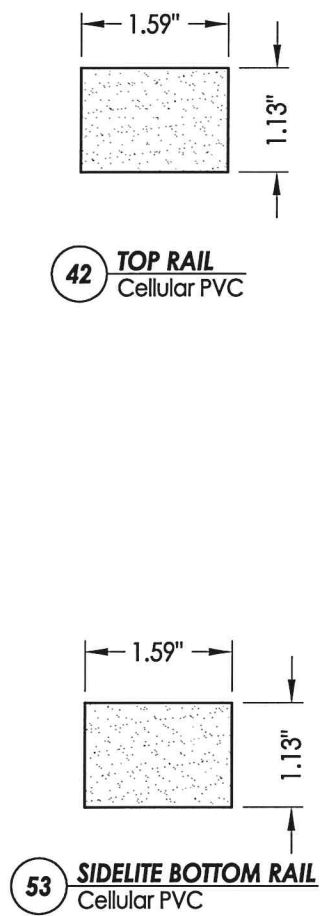
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
DATE:		02/15/12	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-15215.10	
SHEET		2	OF 11

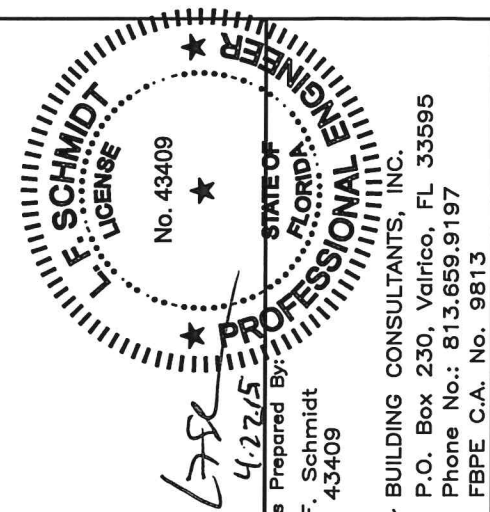
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1/3 HORIZONTAL CROSS SECTION



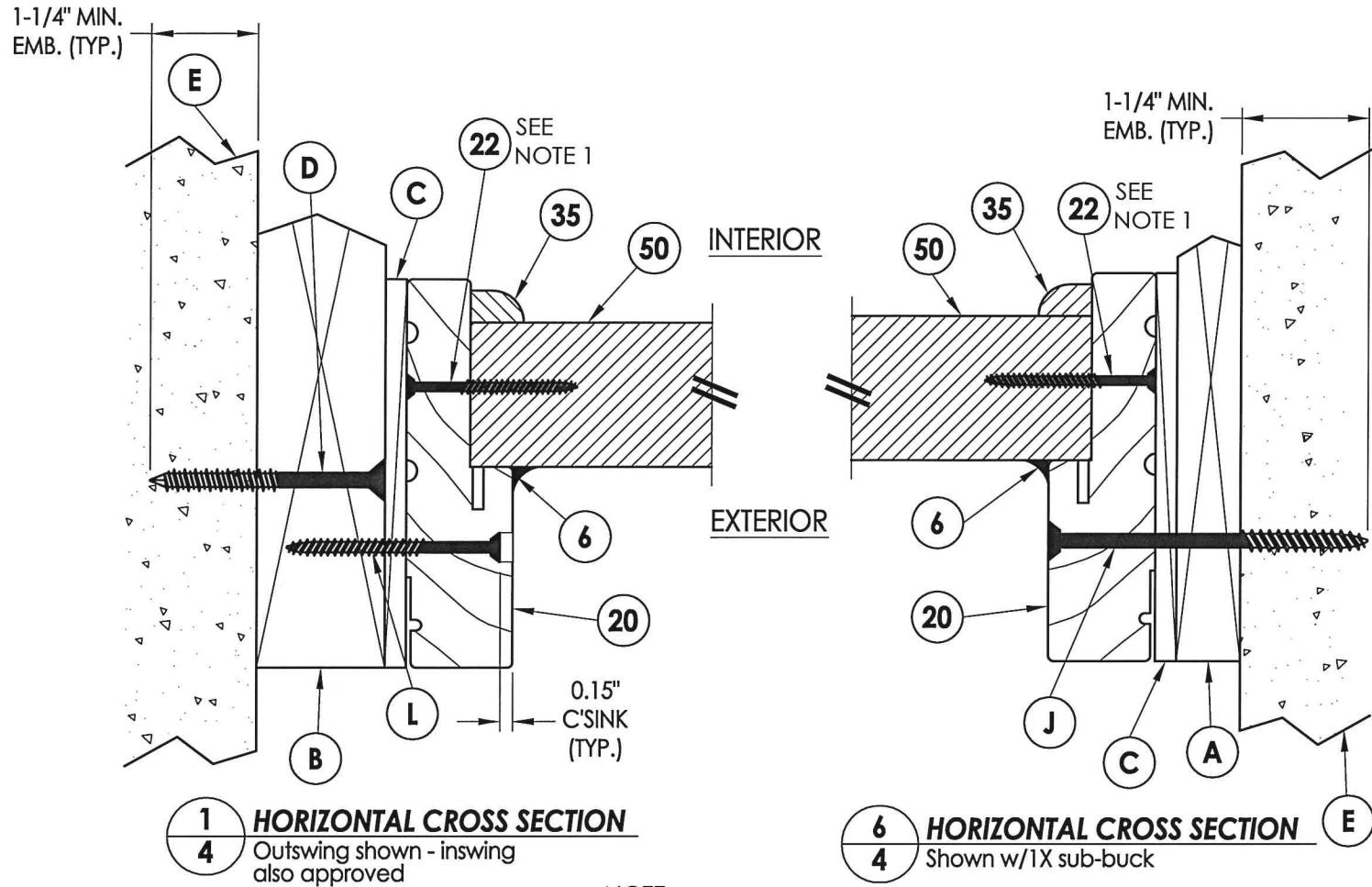
2/3 VERTICAL CROSS SECTION



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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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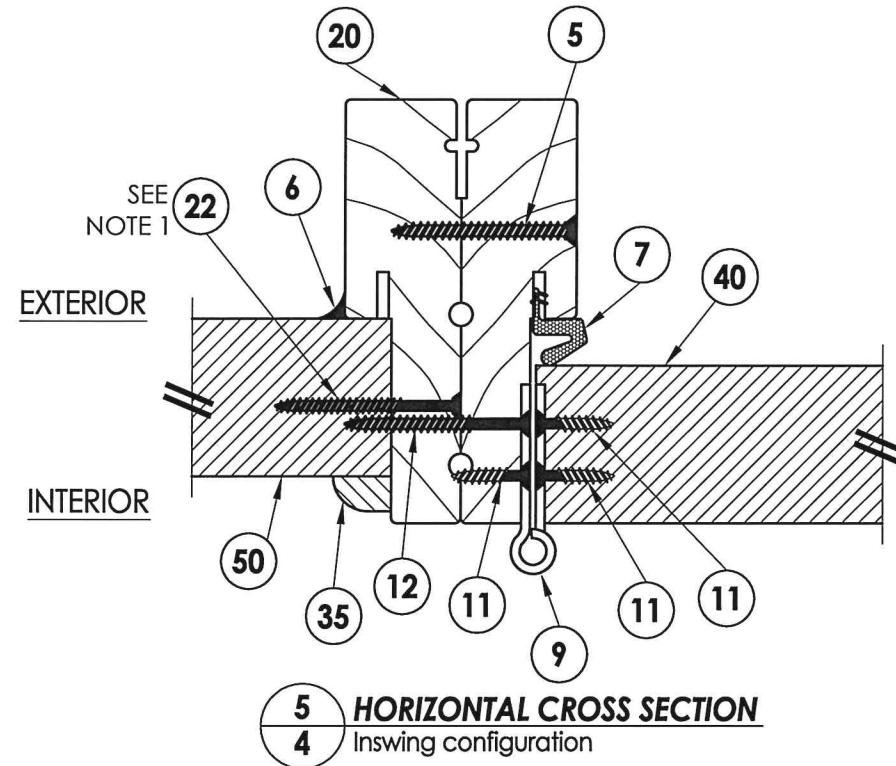
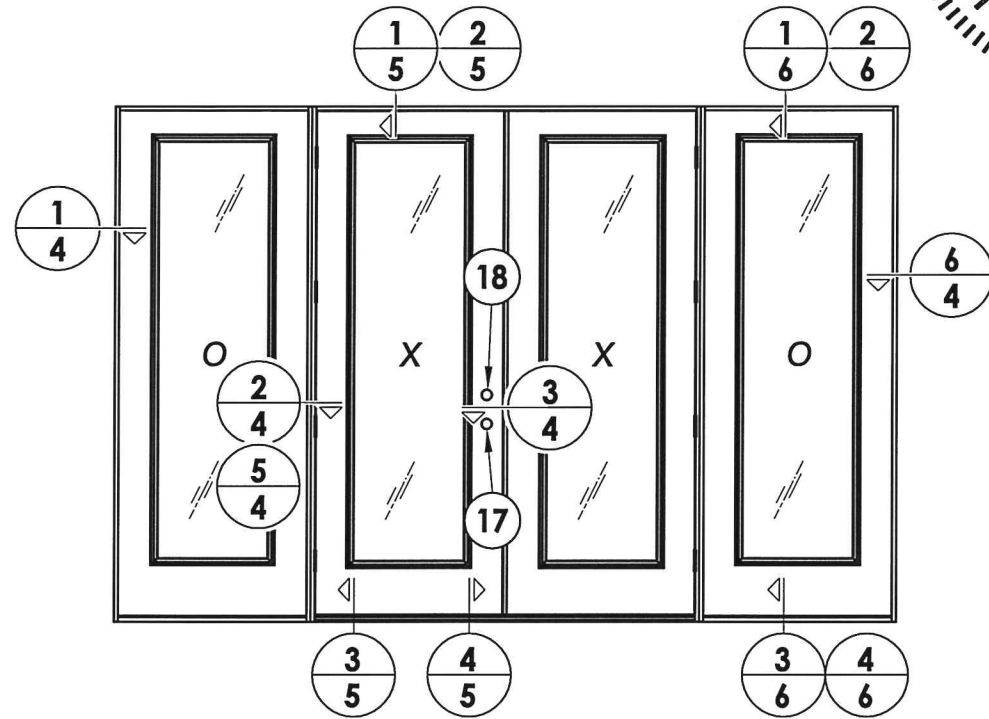
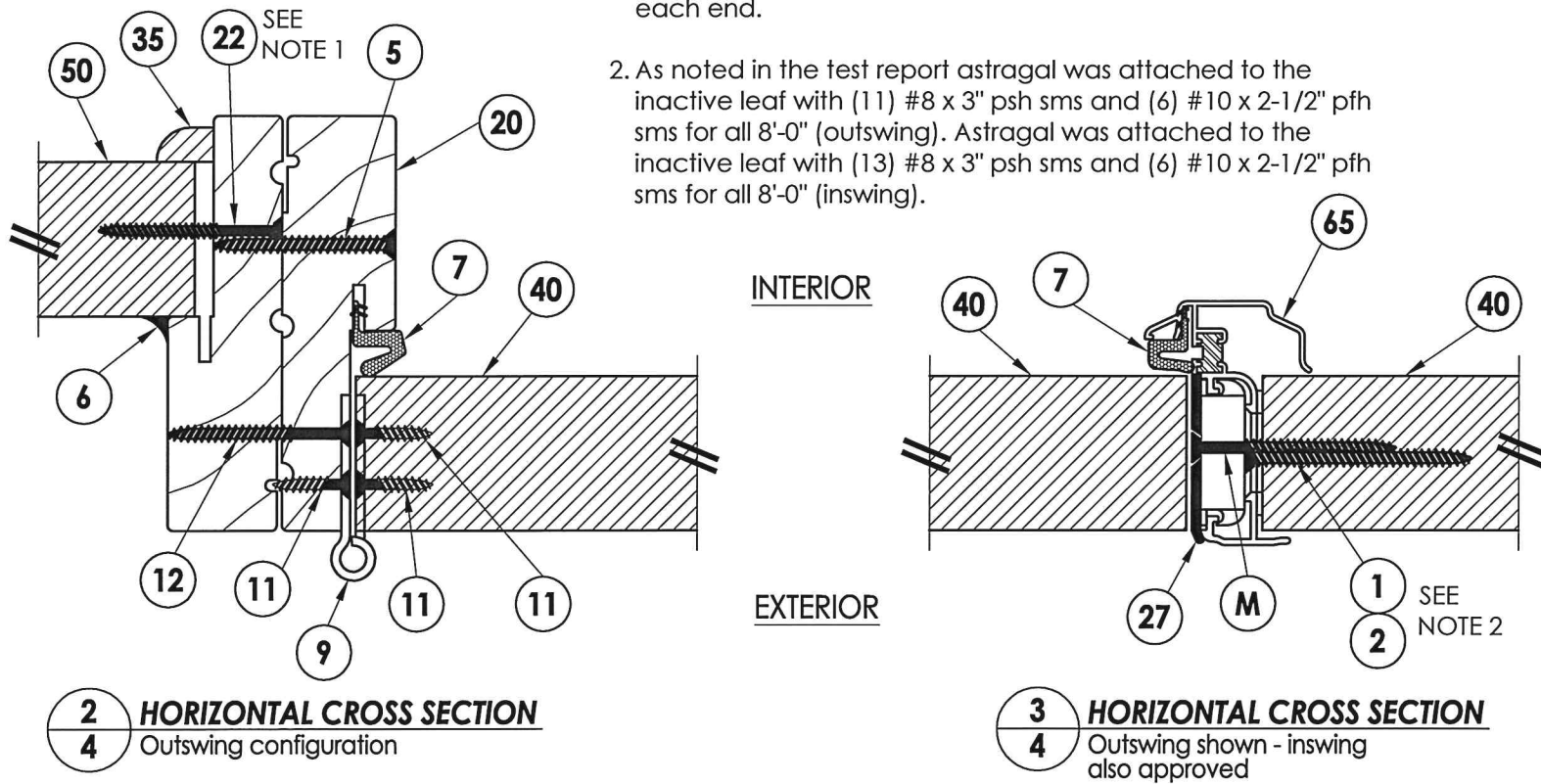
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: SIDELITE PANEL DETAILS	
		JK	BY
		UPDATE TO 5TH ED. (2014) FBC	
1	04/22/15	DATE	
REVISIONS			
DATE: 02/15/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15215.10			
SHEET 3 OF 11			

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NOTE:

1. Sidelite panel secured to the sidelite frame with (6) of item #22 located 5", 22.05", 39.10", 56.15", 73.2" & 90.25" 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 (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).



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

Documents Prepared By:
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P.E. No. 43409

PLASTPRO INC.
FIBERGLASS DOOR

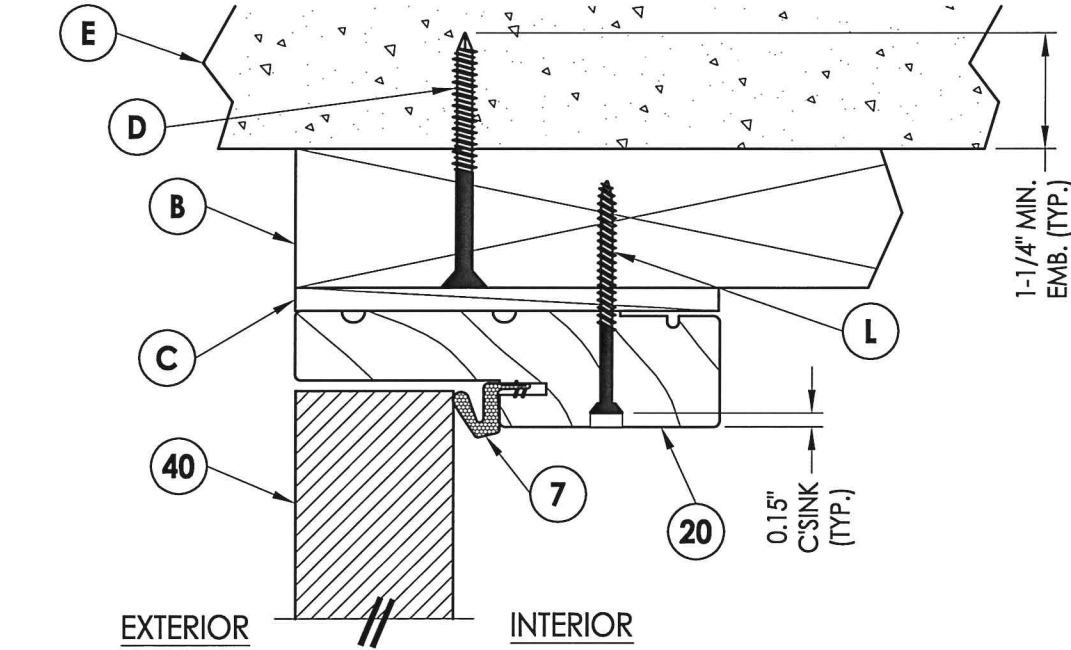
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

DATE: 02/15/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15215.10
SHEET 4 OF 11

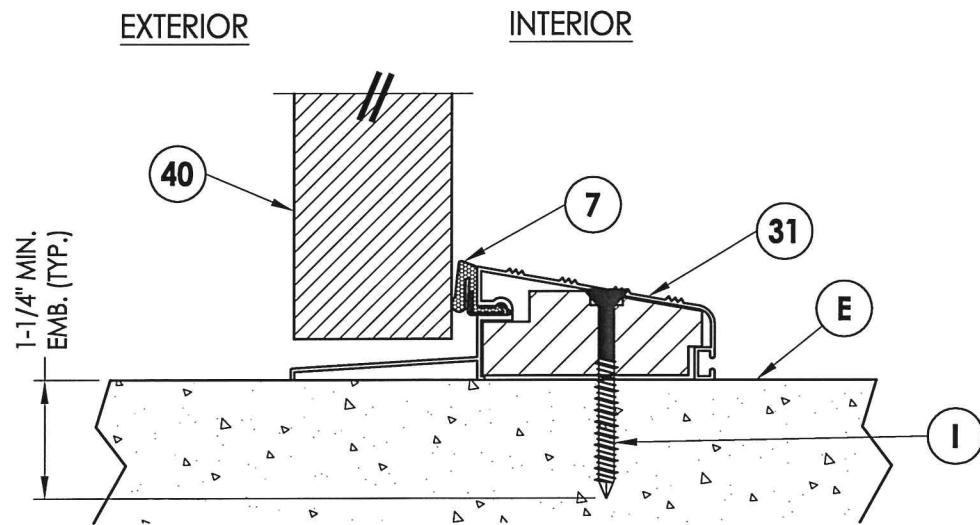
REVISIONS

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

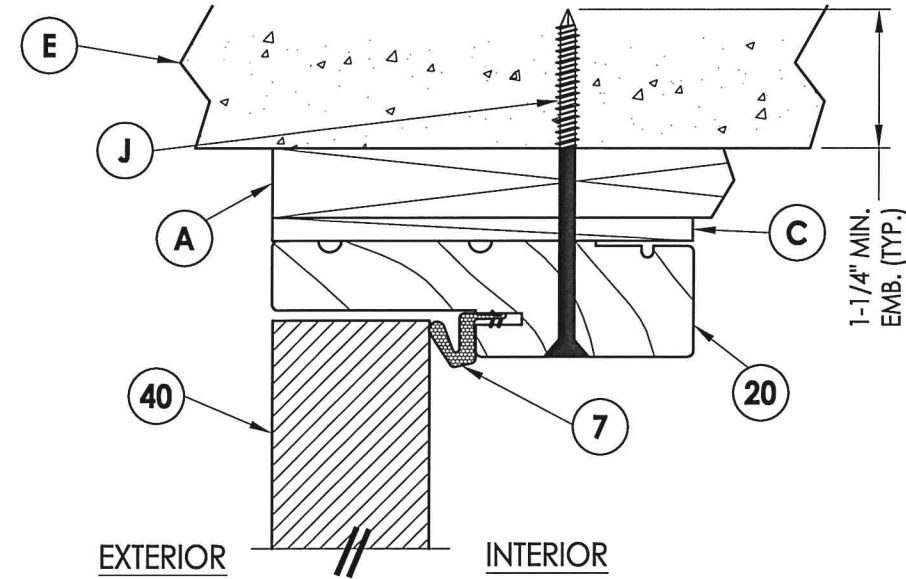
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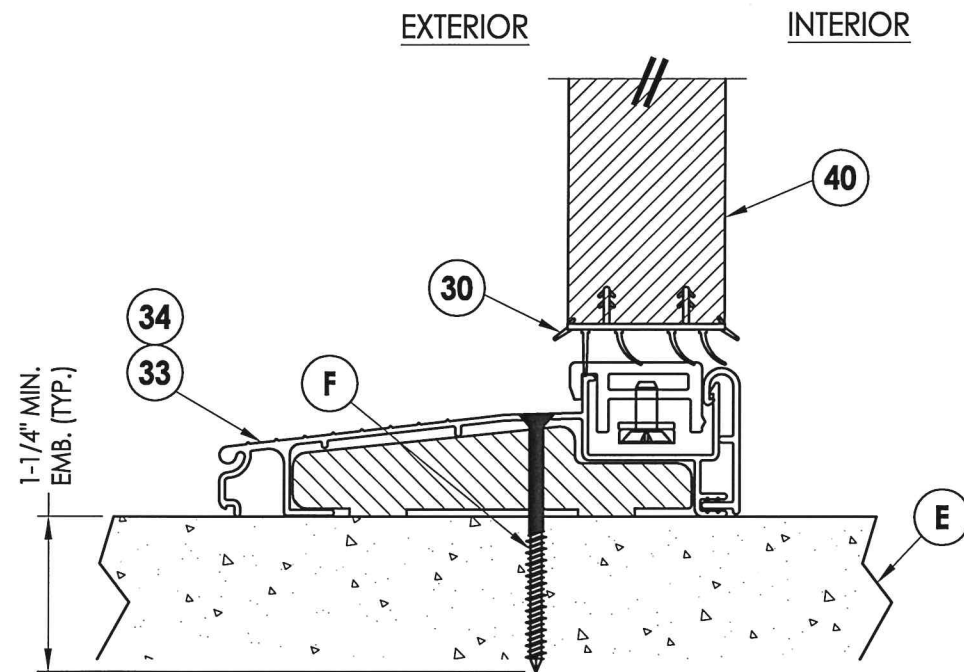
1 VERTICAL CROSS SECTION
5 Outswing shown - inswing
also approved



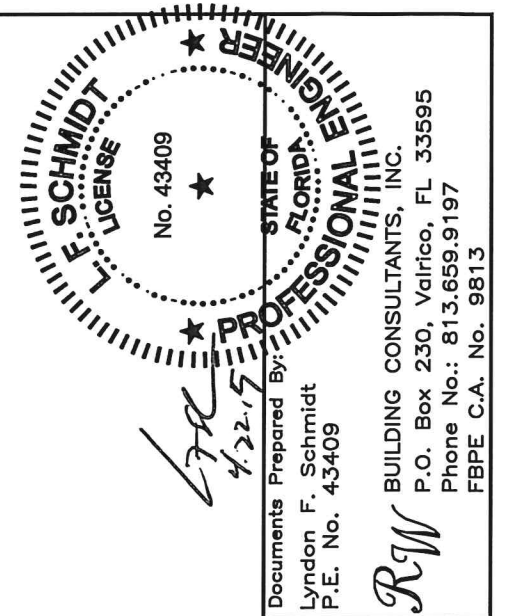
3 VERTICAL CROSS SECTION
5 Outswing configuration



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

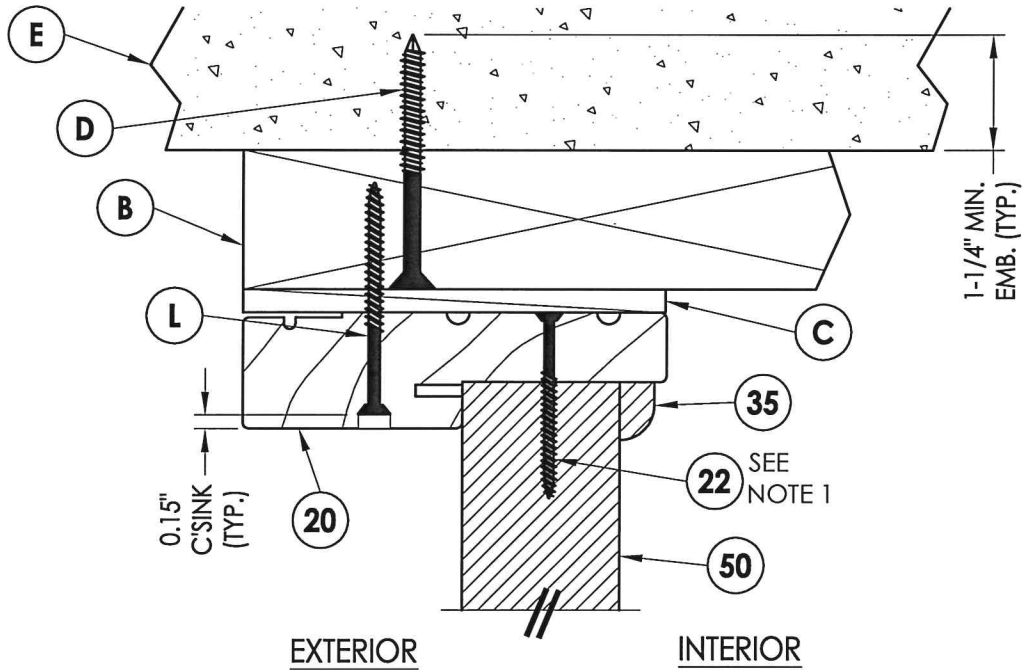


4 VERTICAL CROSS SECTION
5 Inswing configuration

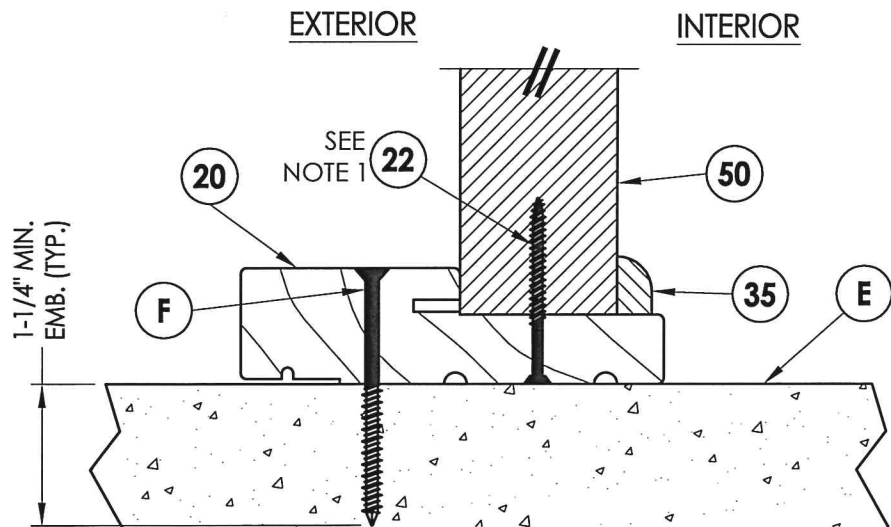


DATE: 02/15/12		PRODUCT: PLASTPRO INC. FIBERGLASS DOOR	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15215.10			
SHEET 5 OF 11	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS		
NO. 1 DATE 04/22/15 UPDATE TO 5TH ED. (2014) FBC		JK BY	
REVISIONS			

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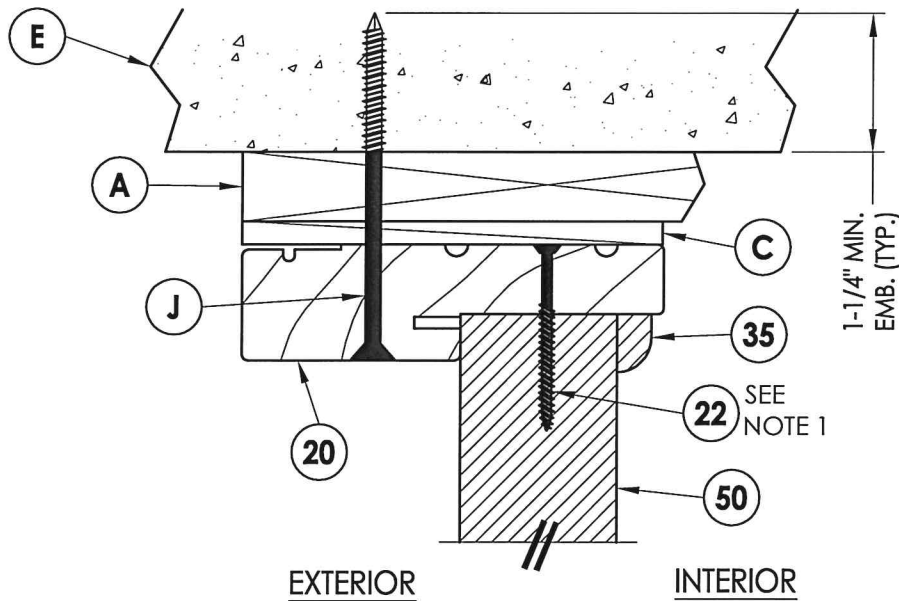


1
6 **VERTICAL CROSS SECTION**
Outswing shown - inswing
also approved

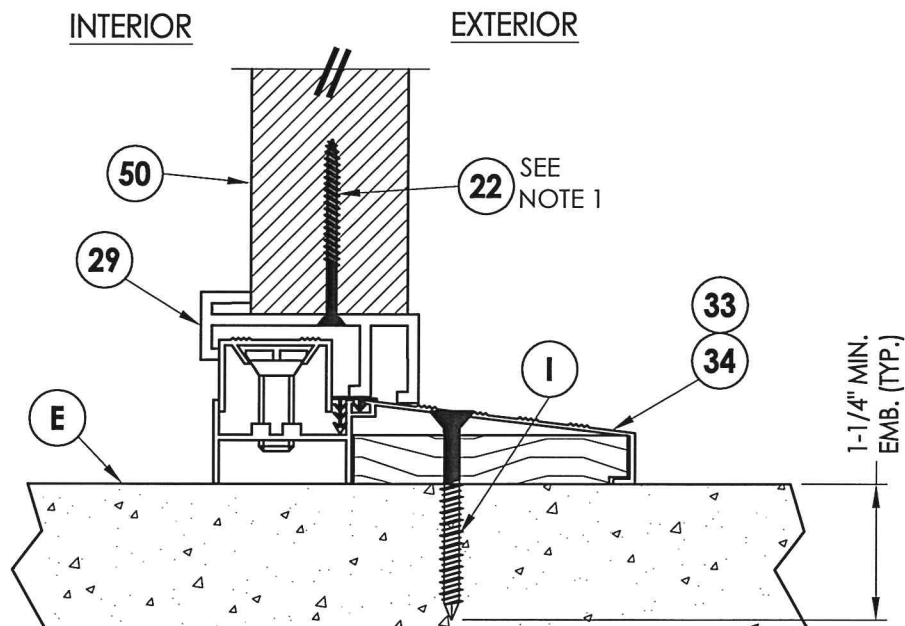


3
6 **VERTICAL CROSS SECTION**
Outswing configuration

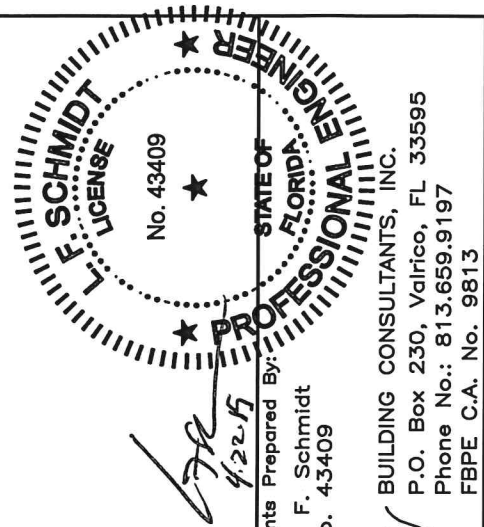
NOTE:
1. Sidelite panel secured to the sidelite
frame with (6) of item #22 located
5", 22.05", 39.10, 56.15", 73.2", & 90.25"
from top of each jamb and (2) of item
#22 in the head and sill 3" from each end



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



4
6 **VERTICAL CROSS SECTION**
Inswing configuration



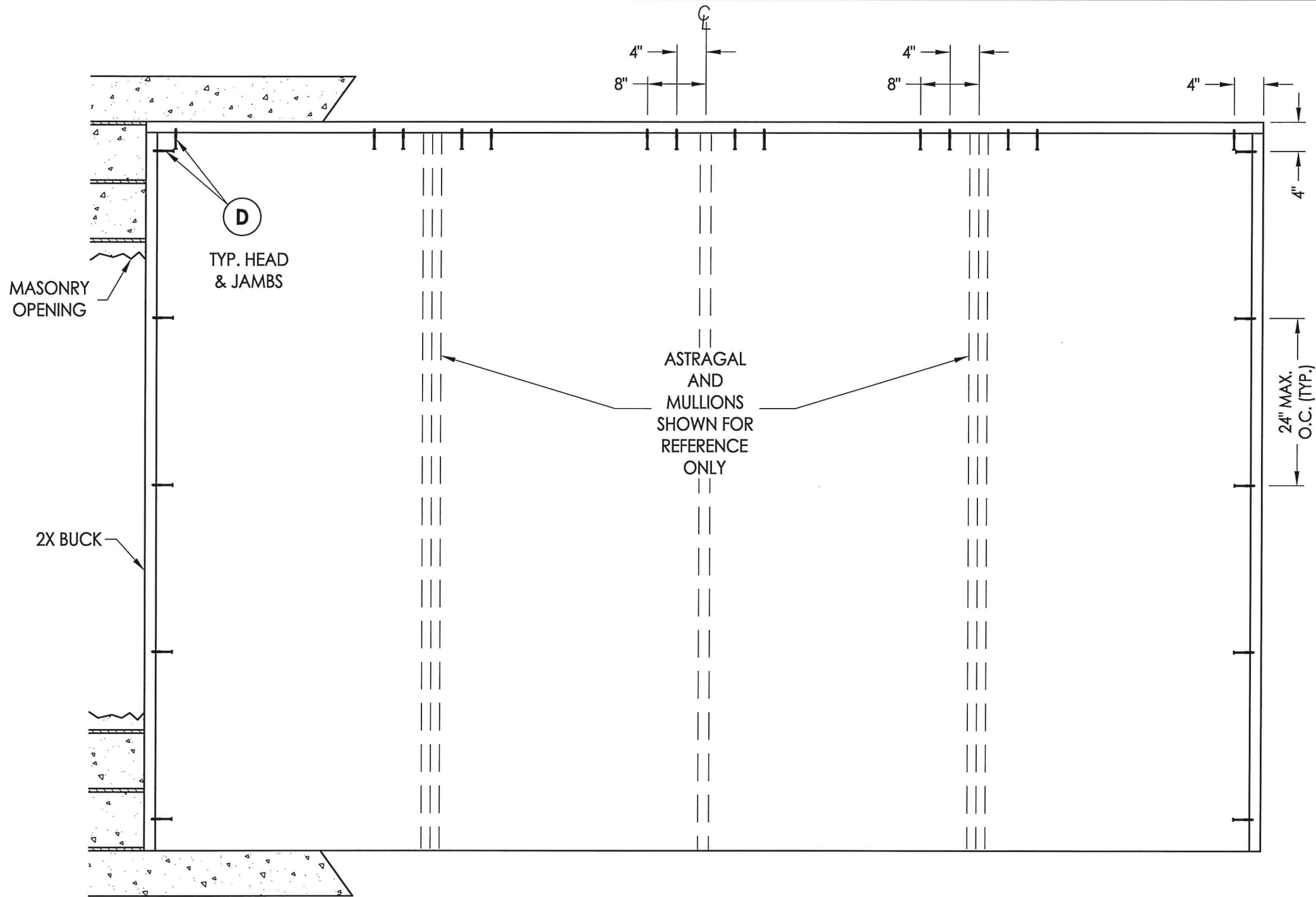
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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

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

DATE:	02/15/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15215.10
SHEET	6 OF 11

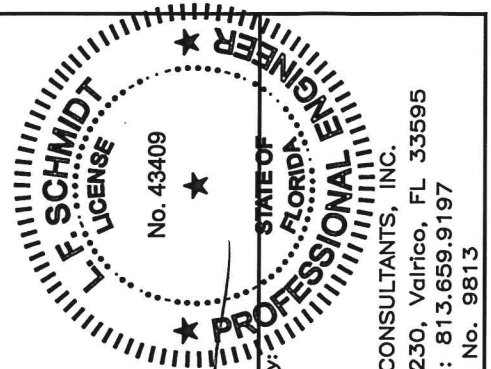


CONCRETE ANCHOR NOTES:

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"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

BUCK ANCHORING



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FBPE C.A. No. 9813

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

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

DATE: 02/15/12

SCALE: N.T.S.

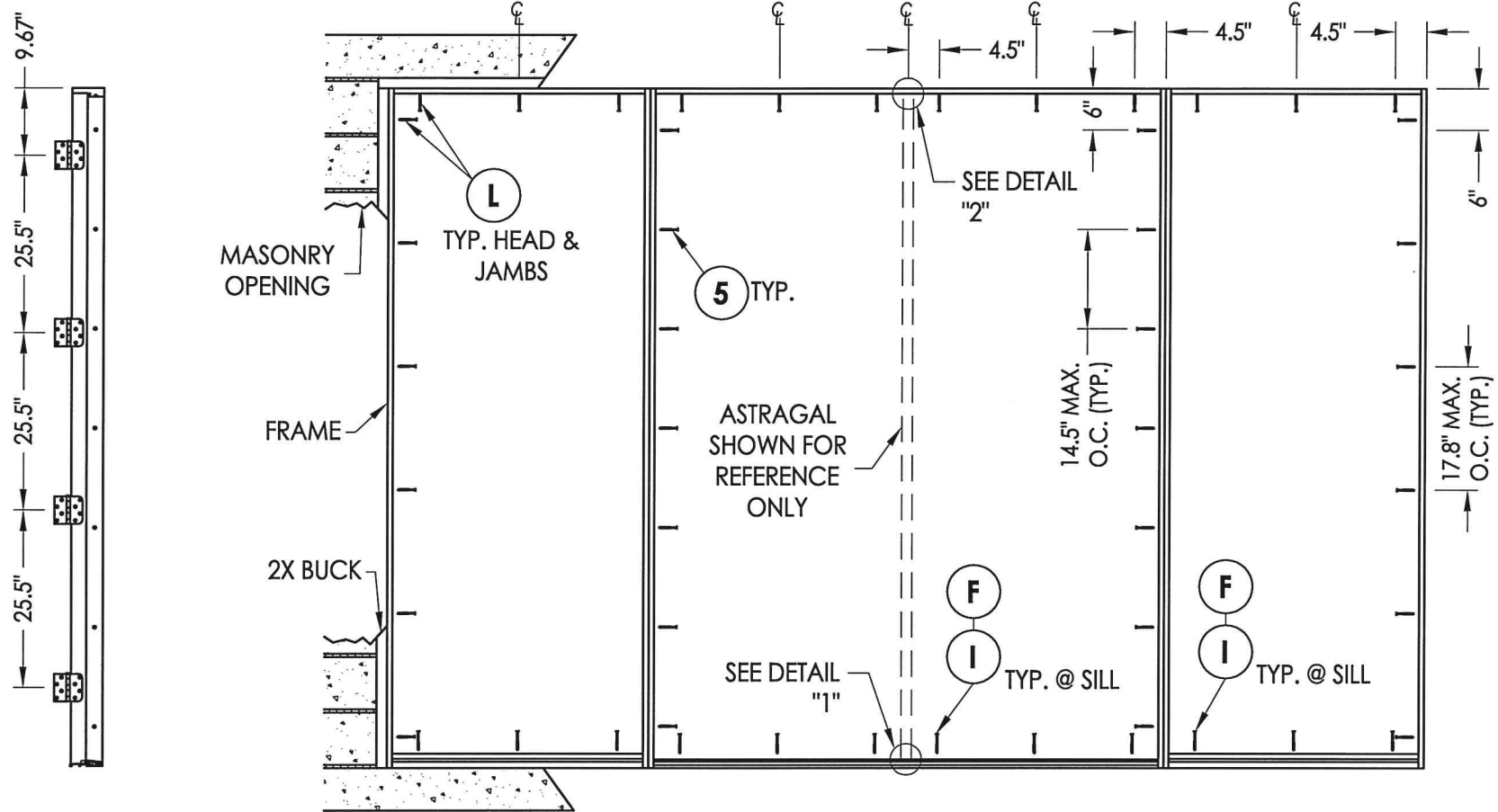
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15215.10

SHEET 7 OF 11

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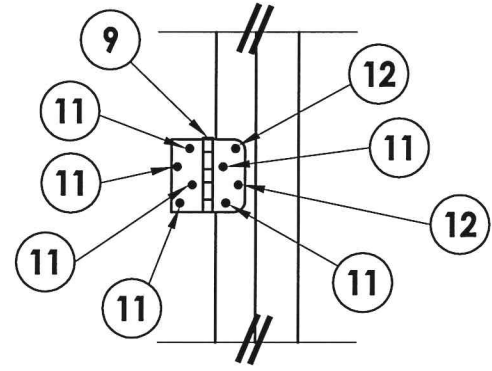


HINGE JAMB

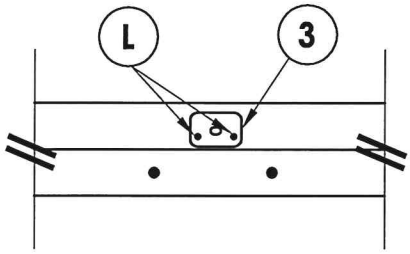
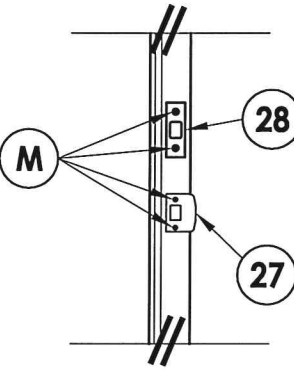
FRAME ANCHORING
Masonry 2X buck construction

ASTRAGAL STRIKE JAMB

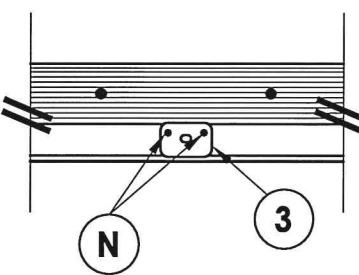
HINGE DETAIL



LATCH & DEADBOLT DETAIL

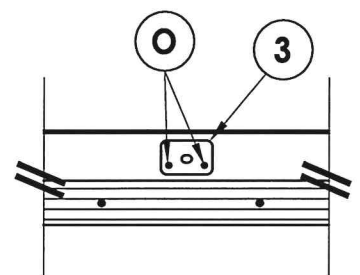


DETAIL 2



DETAIL 1

Inswing configuration



DETAIL 1

Outswing configuration

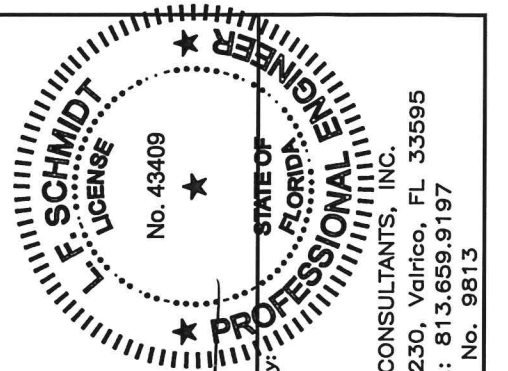
CONCRETE ANCHOR NOTES:

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.



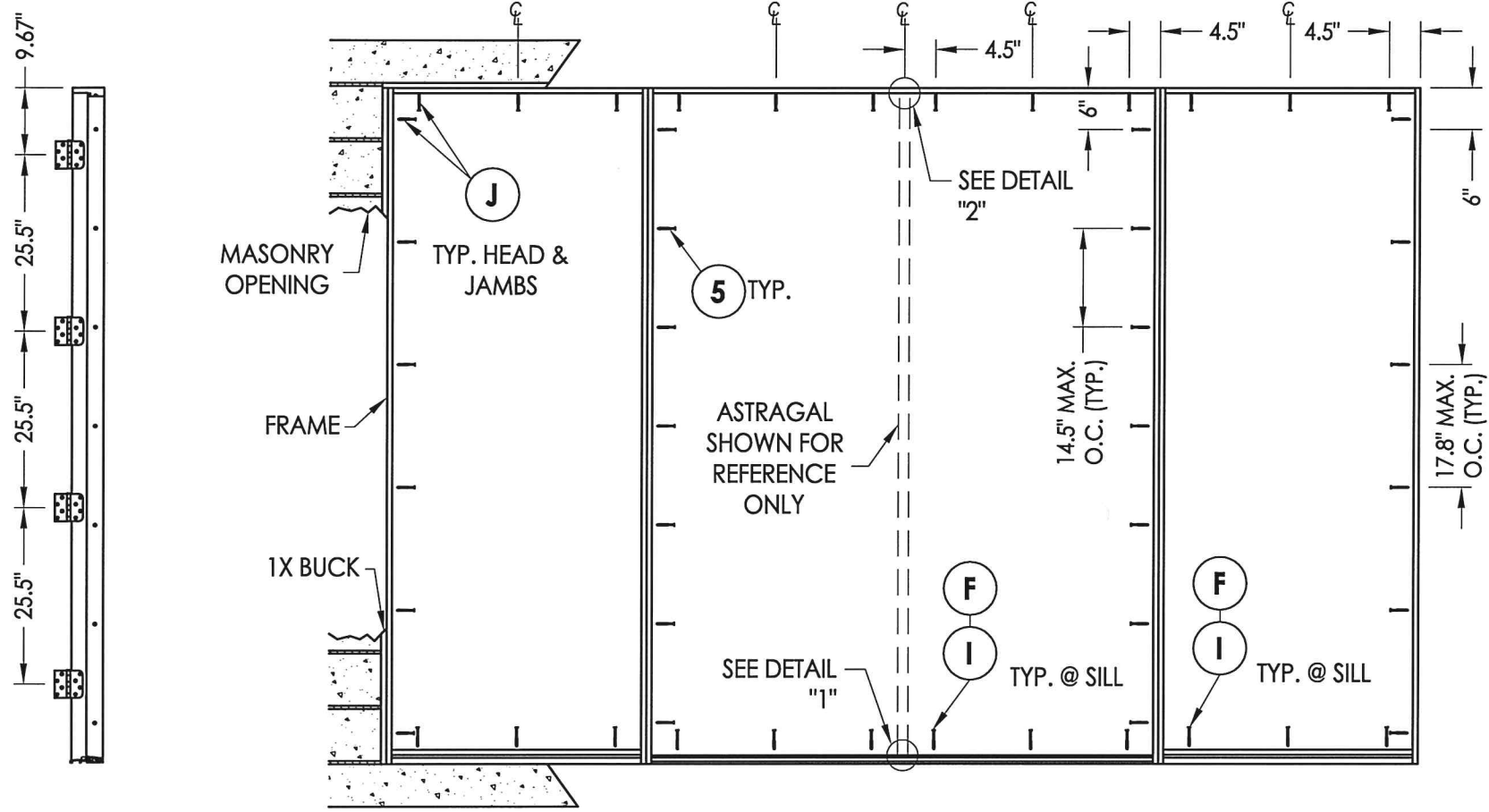
Documents Prepared By: Lyndon F. Schmidt
P.E. No. 43409
4.22.15

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

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

DATE: 02/15/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15215.10
SHEET 8 OF 11

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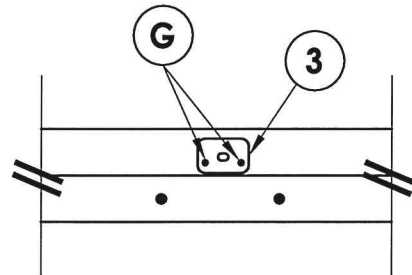
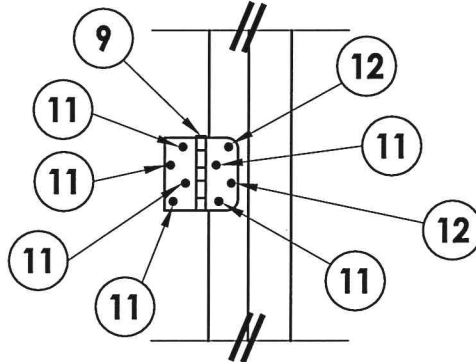
HINGE JAMB

FRAME ANCHORING
Masonry 1X buck construction

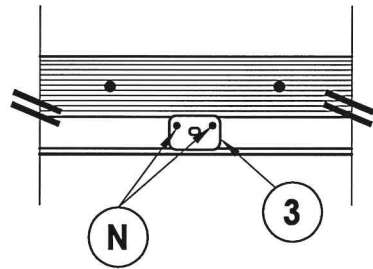
ASTRAGAL STRIKE JAMB

HINGE DETAIL

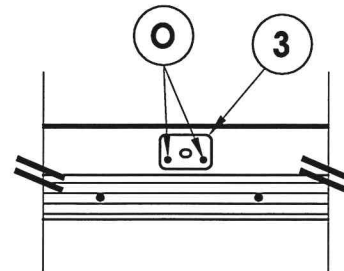
LATCH & DEADBOLT DETAIL



DETAIL 2



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration

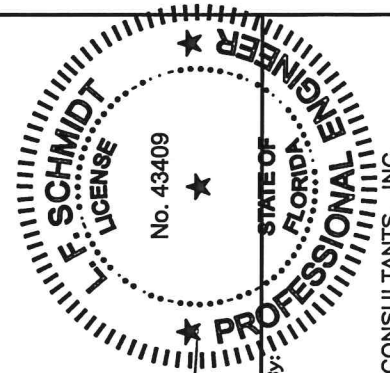
CONCRETE ANCHOR NOTES:

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. O.C. (TYP.)" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. O.C. (TYP.)" 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"
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.



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

DATE: 02/15/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15215.10

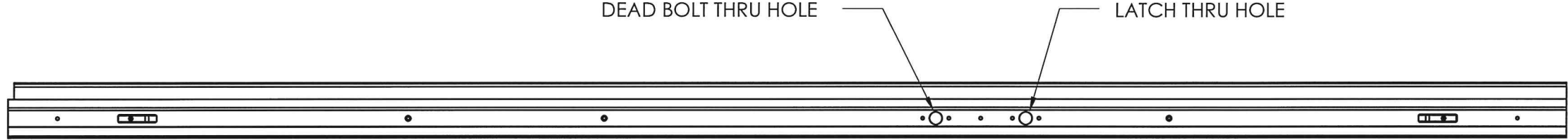
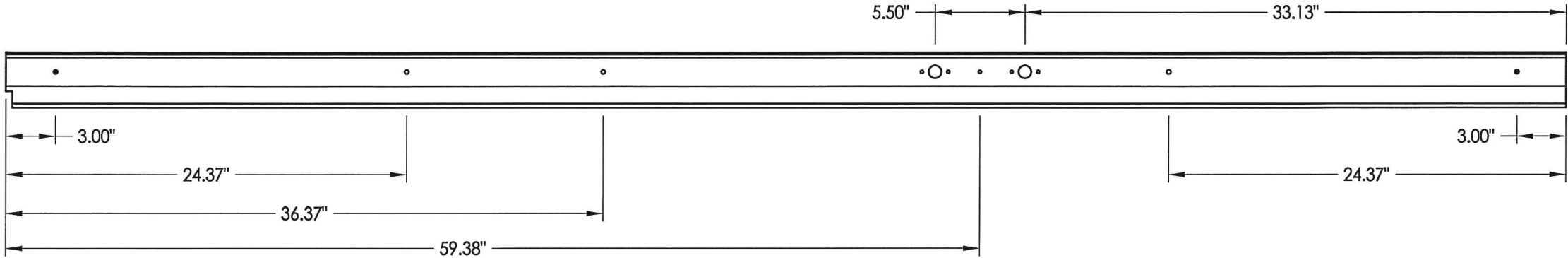
SHEET 9 OF 11

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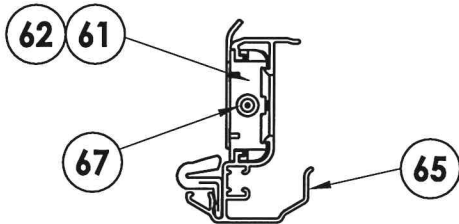
TOP

A-A

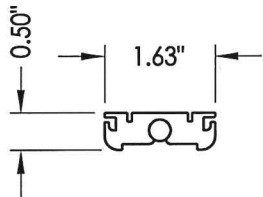
BOTTOM



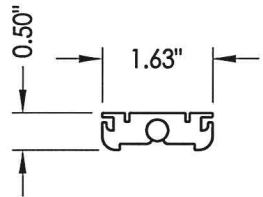
8'0" ALUMINUM ASTRAGAL ASSEMBLY
By Endura Product



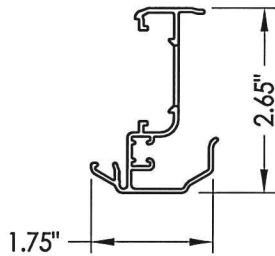
VIEW A-A
Aluminum Astragal Assembly



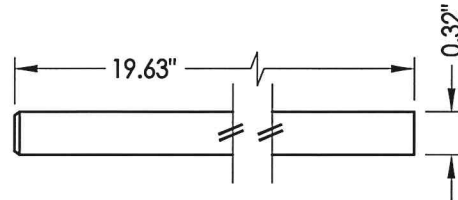
61 TOP BOLT RETAINER
MATL: 9-3/4" Aluminum



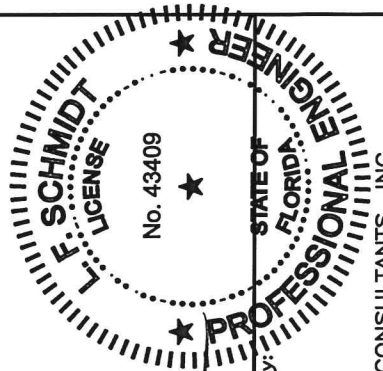
62 BOTTOM BOLT RETAINER
MATL: 9-3/4" Aluminum



65 ALUMINUM ASTRAGAL
By Endura Product



67 SLIDE BOLT ROD
MATL: Steel



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

4-22-15

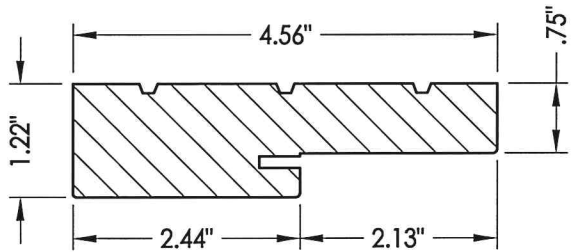
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairco, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

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

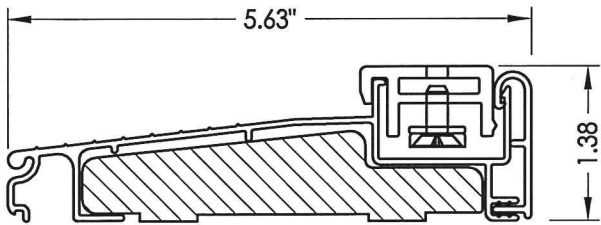
NO.	DATE	REVISIONS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
JK	BY	

DATE: 02/15/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15215.10
SHEET 10 OF 11

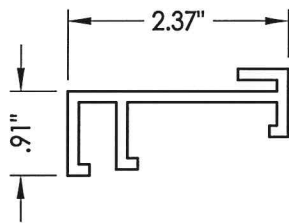
BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	27	LATCH STRIKE PLATE	STEEL
B	2X BUCK SG >= 0.55	WOOD	28	DEADBOLT STRIKE PLATE	STEEL
C	1/4" MAX. SHIM SPACE	-	29	SIDELITE SPACER	PVC
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL	30	WEATHER-STOP 3647 HOLM INDUSTRIES	VINYL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	31	OUTSWING BUMP THRESHOLD	ALUM. / WOOD
			33	INSWING ADJUSTABLE THRESHOLD BY ENDURA	ALUM. / WOOD
F	1/4" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL	34	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM. / WOOD
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL	35	SHOE MOULD 5/8" X 3/8"	WOOD
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL	38	GLAZING SPACER	ALUM.
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL	39	GLAZING BEAD	PVC
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL	40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
M	#9 X 2-1/4" PFH WOOD SCREW	STEEL	41	DOOR SKIN (MIN. 0.095" THICK)	FIBERGLASS
N	3/16" X 3-1/2" PFH ITW CONCRETE SCREW	STEEL	42	TOP RAIL	CELLULAR PVC
O	3/16" X 1-1/2" PFH ITW CONCRETE SCREW	STEEL	43	LATCH & HINGE STILE	CELLULAR PVC
1	#10 X 2-1/2" PFH SMS	STEEL	44	LOCK REINFORCEMENT	WOOD
2	#8 X 3" PSH SMS	STEEL	45	BOTTOM RAIL	CELLULAR PVC
3	FLUSH BOLT STRIKE PLATE	STEEL	46	POLYURETHANE FOAM	POLYURETHANE
5	#10 X 2" PFH SCREW	STEEL	47	CONTINUOUS LATCH & HINGE STILE REINFORCEMENT	WOOD
6	SEALANT	SILICONE	48	REINFORCEMENT RETAINING SCREW	NYLON
7	Q-LON 650 WEATHERSTRIP SCHLEGEL	FOAM	49	GLAZING COMPOUND DOW 995	SILICONE
9	4" X 4" BUTT HINGE	STEEL	50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
10	NOT USED	-	51	SIDELITE STILE	CELLULAR PVC
11	#9 X 3/4" PFH WOOD SCREW	STEEL	52	SIDELITE STILE SUPPORT	WOOD
12	#9 X 2" PFH WOOD SCREW	STEEL	53	SIDELITE BOTTOM RAIL	CELLULAR PVC
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
20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD	65	ASTRAGAL BY ENDURA PRODUCTS	ALUMINUM
22	#8 X 2" PFH WOOD SCREW	STEEL	67	SLIDE BOLT ROD	STEEL



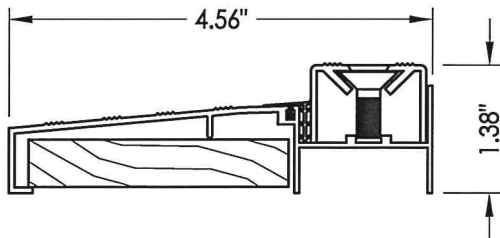
20 HEAD & SIDE Jamb



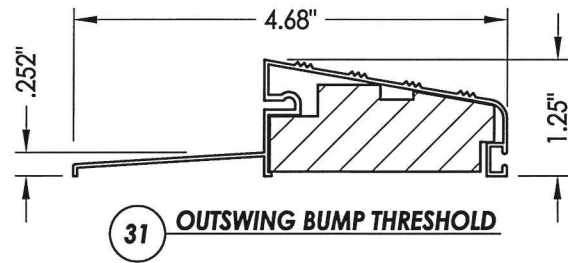
33 ADJUSTABLE INSWING THRESHOLD



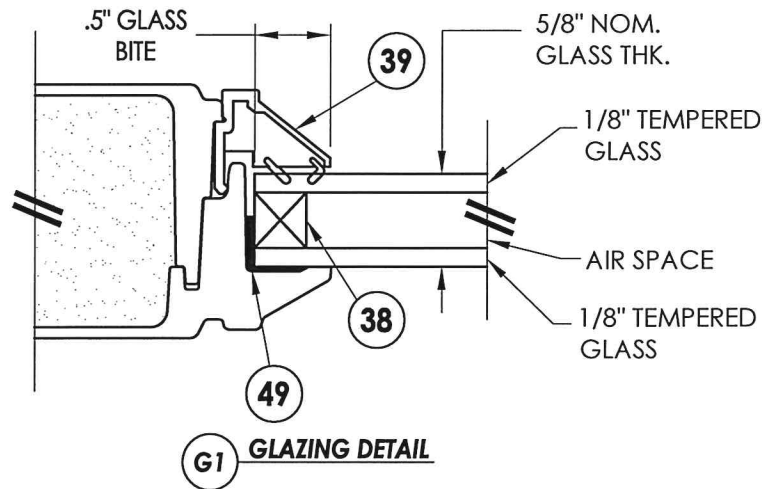
29 SIDELITE SPACER



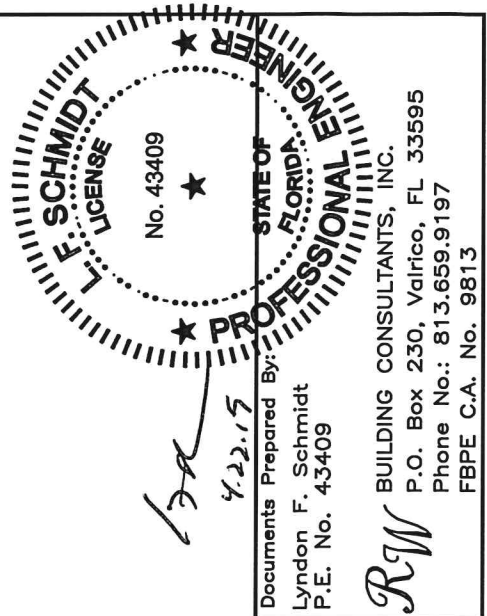
34 ADJUSTABLE INSWING THRESHOLD



31 OUTSWING BUMP THRESHOLD



G1 GLAZING DETAIL



Documents Prepared By:
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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:
BILL OF MATERIALS, GLAZING
DETAIL & COMPONENTS

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

DATE: 02/15/12
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DWG. BY: JK
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SHEET 11 OF 11