

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

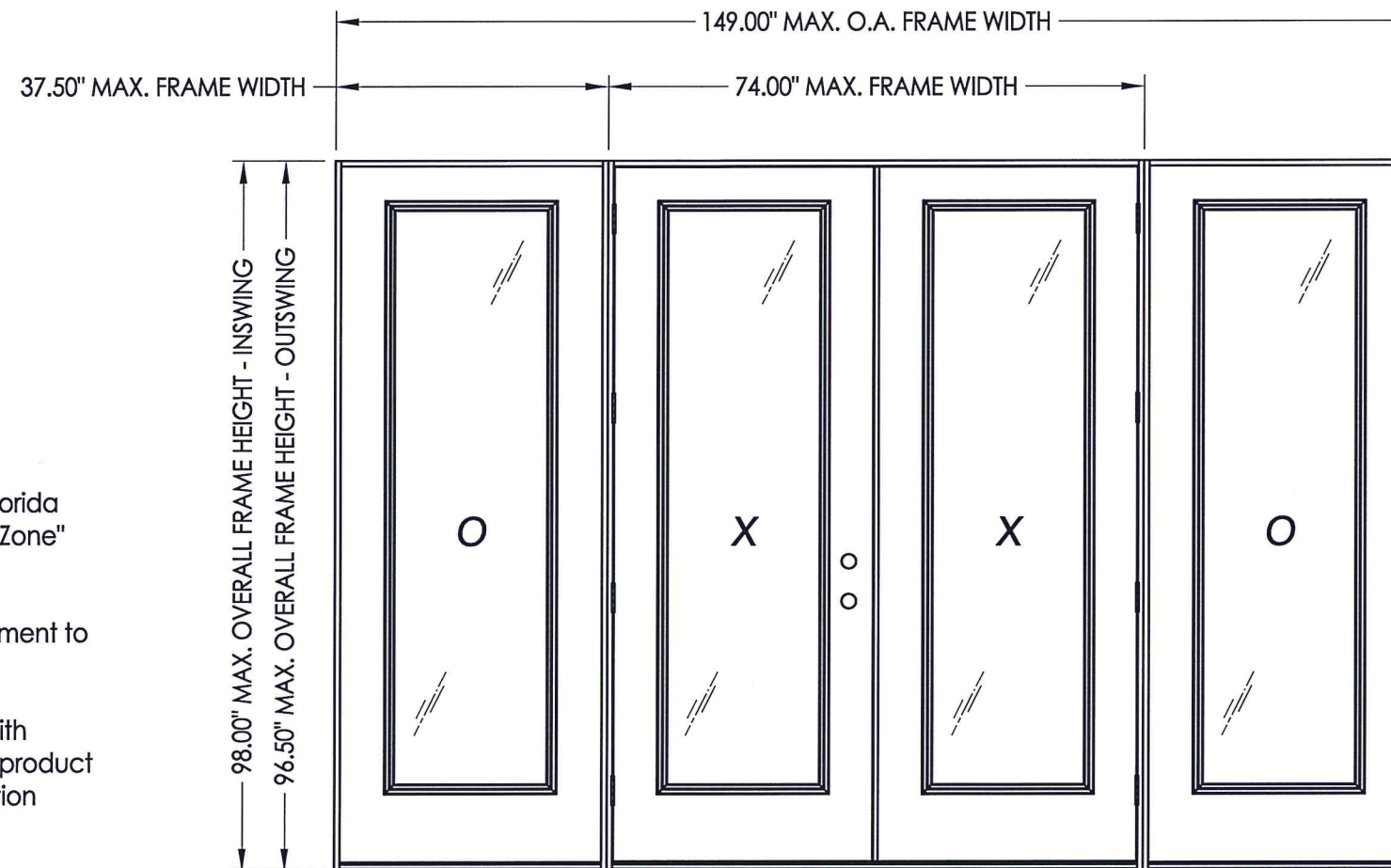
ONELITE SERIES
FLUSH GLAZED FIBERGLASS DOORS
w/ SIDELITES
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

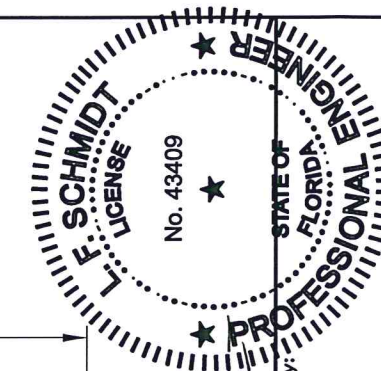
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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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SHEET #	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Sidelite panel details
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5	Vertical cross sections
6	Vertical cross sections
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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



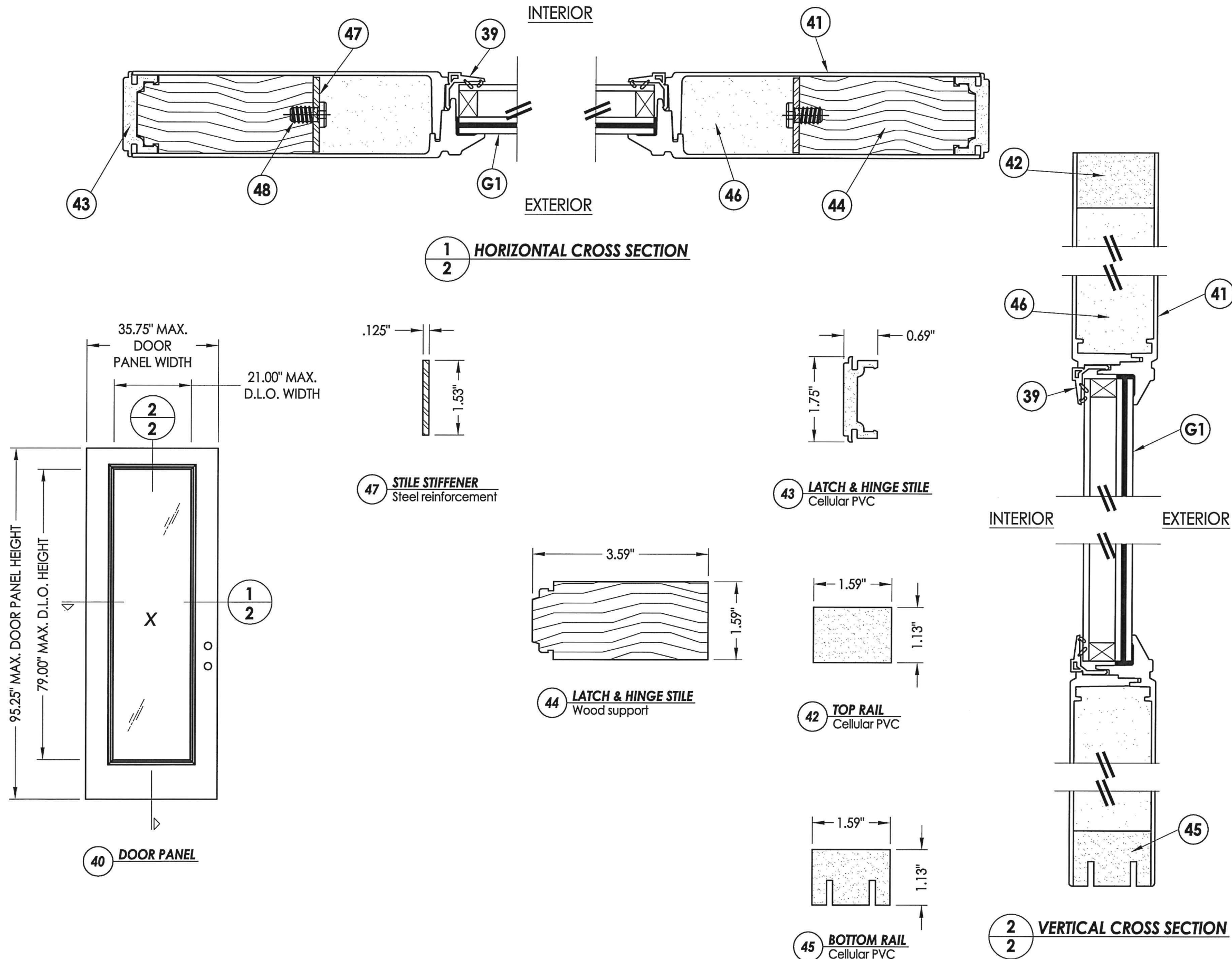
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

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

DATE: 02/15/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-15215.20
SHEET 1 OF 11

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FLORIDA
ENGINEER
L. F. SCHMIDT
LICENSE
No. 43409

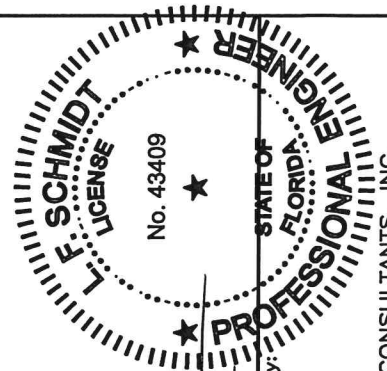
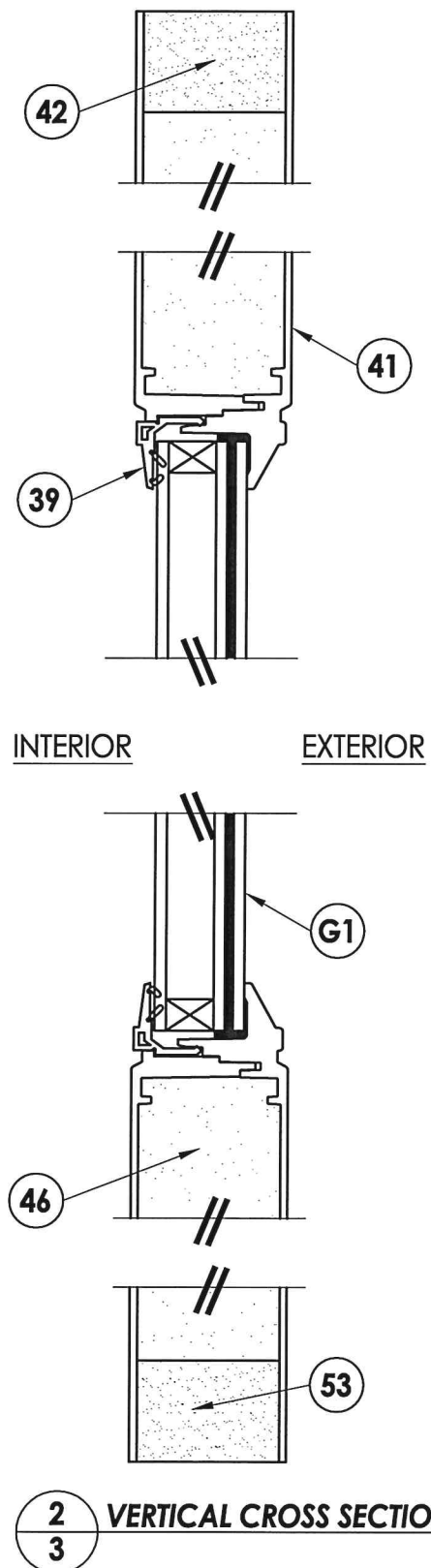
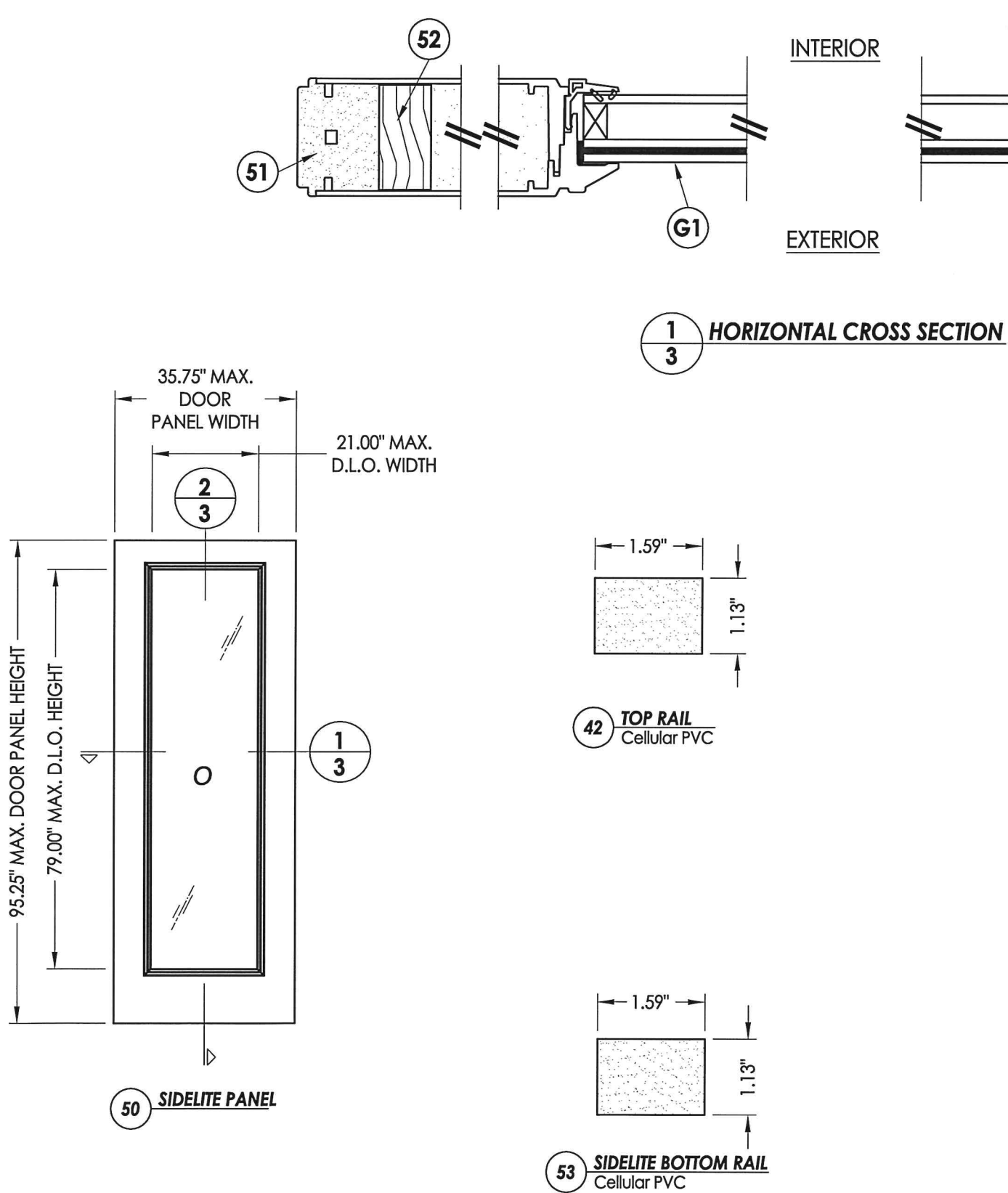
4/22/15

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

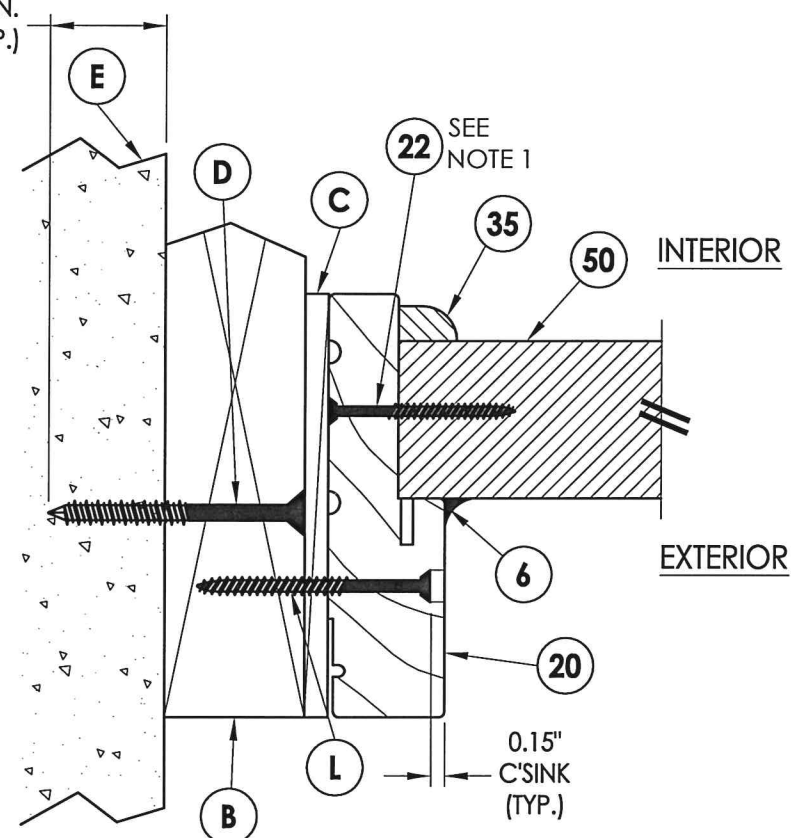
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		JK	RW
2	04/22/15	UPDATE TO 5TH ED. (2014) FBC	BY
1	2/27/13	REVISED GLAZING DETAIL	
NO.	DATE		
REVISIONS			
DATE: 02/15/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15215.20			
SHEET 2 OF 11			



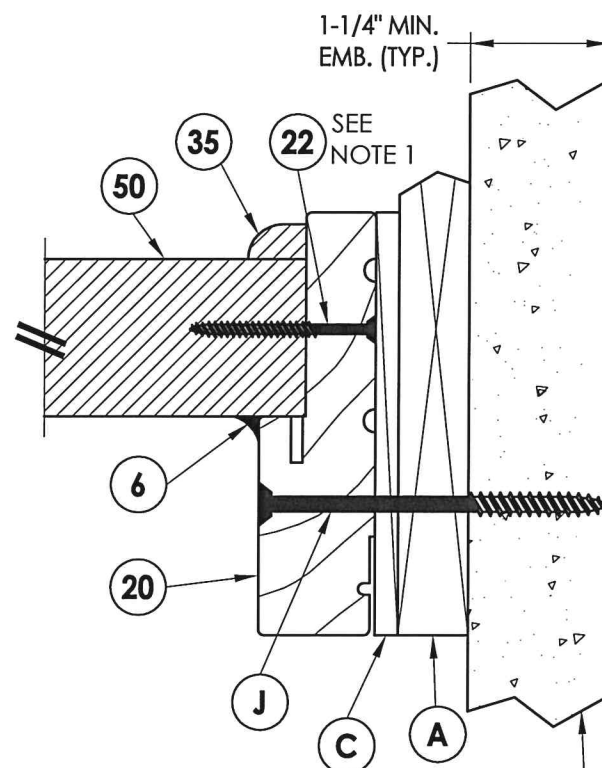
Documents Prepared By:
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P.E. No. 43409

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:		SIDELITE PANEL DETAILS	
DATE:		02/15/12	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-15215.20	
SHEET		3 OF 11	
REVISIONS			
NO.	DATE	REVISED GLAZING DETAIL	BY
2	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK
1	2/27/13	REVISED GLAZING DETAIL	RW



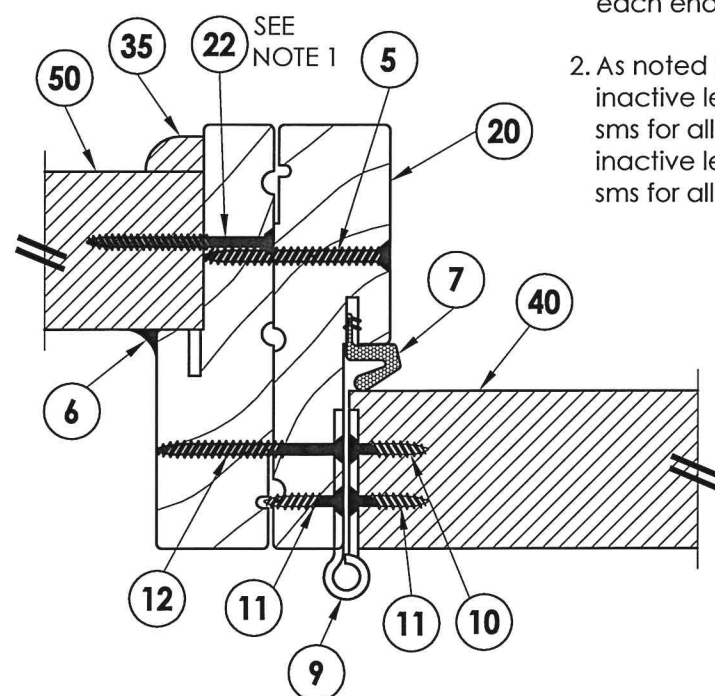
1 **HORIZONTAL CROSS SECTION**
4 Outswing shown - inswing
also approved



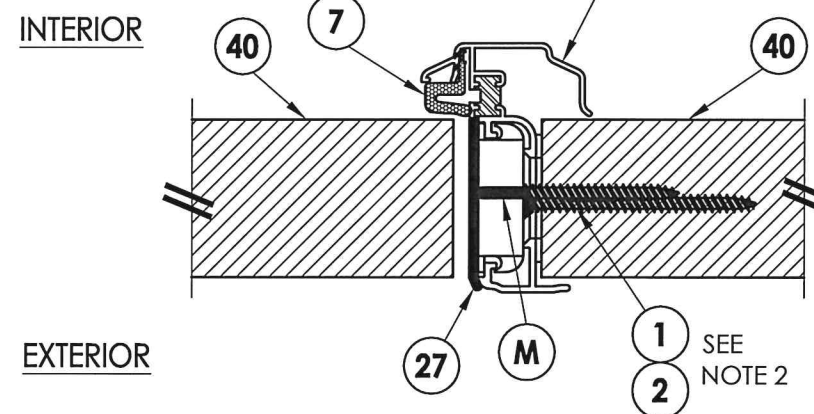
4 HORIZONTAL CROSS SECTION
4 Shown w/1X sub-buck

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.

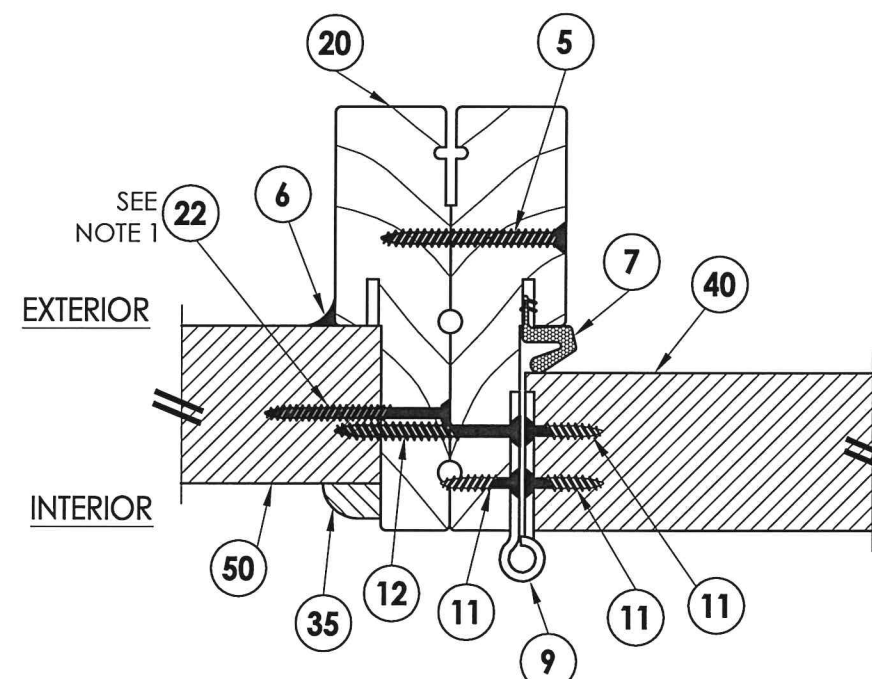
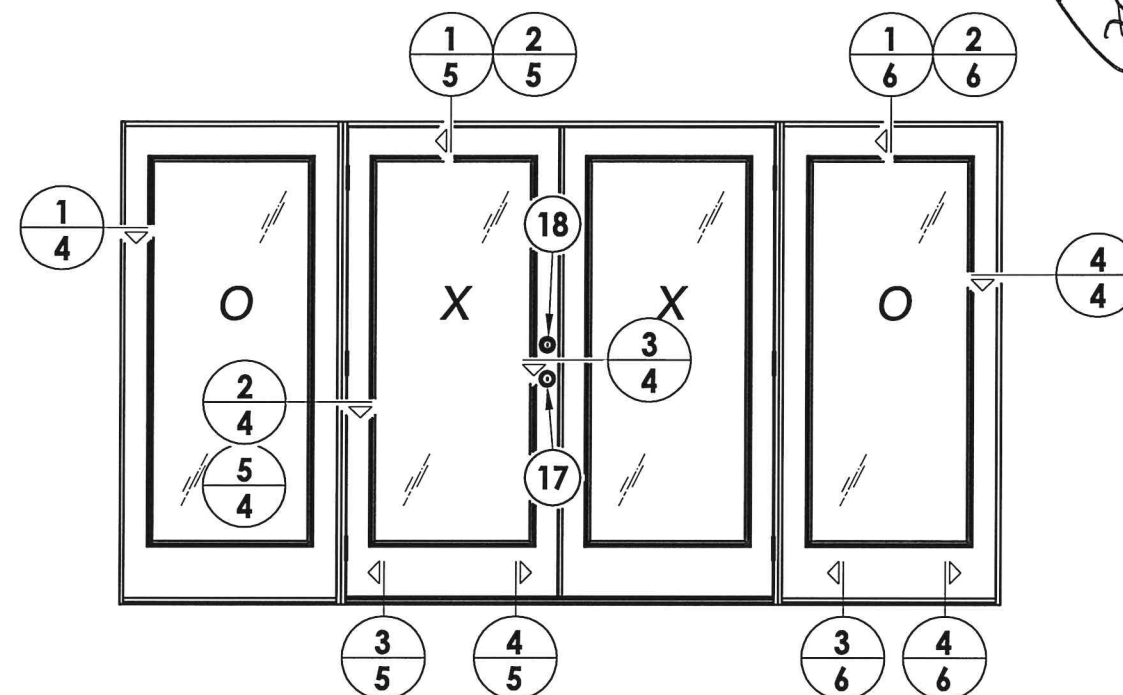
2. As noted in the test report astragal was attached to the inactive leaf with (11) #8 x 3" psh sms and (6) #10 x 2-1/2" pfh sms for all 8'-0" (outswing). Astragal was attached to the inactive leaf with (13) #8 x 3" psh sms and (6) #10 x 2-1/2" pfh sms for all 8'-0" (inswing).



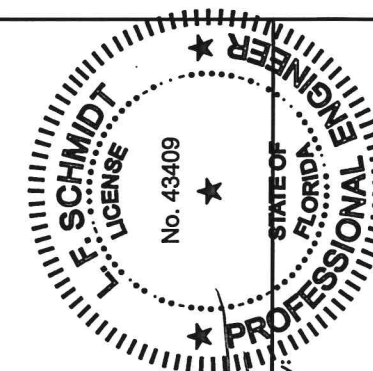
2 HORIZONTAL CROSS SECTION
4 Outswing configuration



3 HORIZONTAL CROSS SECTION
4 Outswing shown - inswing
 also approved



5 HORIZONTAL CROSS SECTION
4 Inswing configuration



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

PRODUCT: PLASTPRO INC.
FIRERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

[illegible]

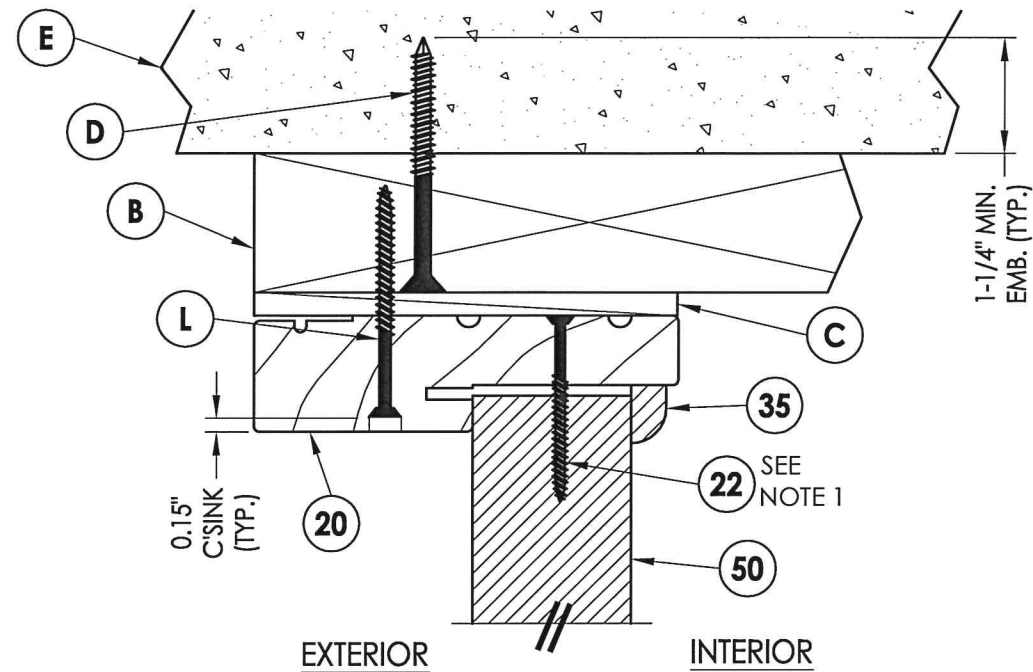
DATE:	02/15/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15215.20

SHEET 4 OF 11

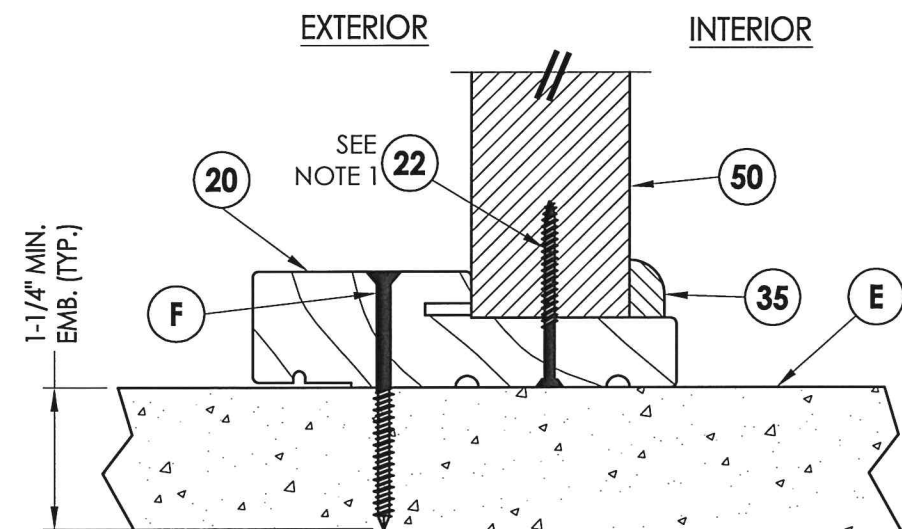
BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
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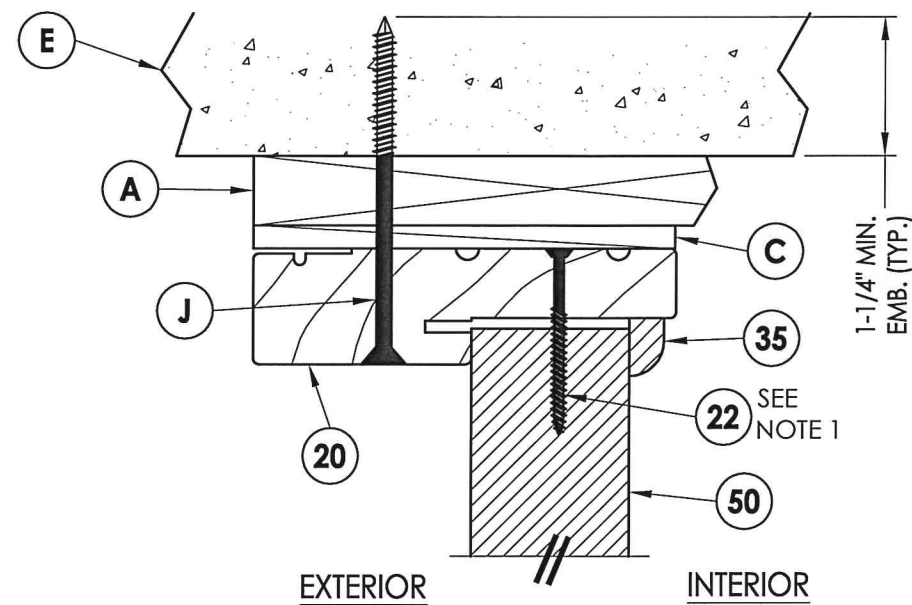
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1 **VERTICAL CROSS SECTION**
6 Outswing shown - inswing
also approved



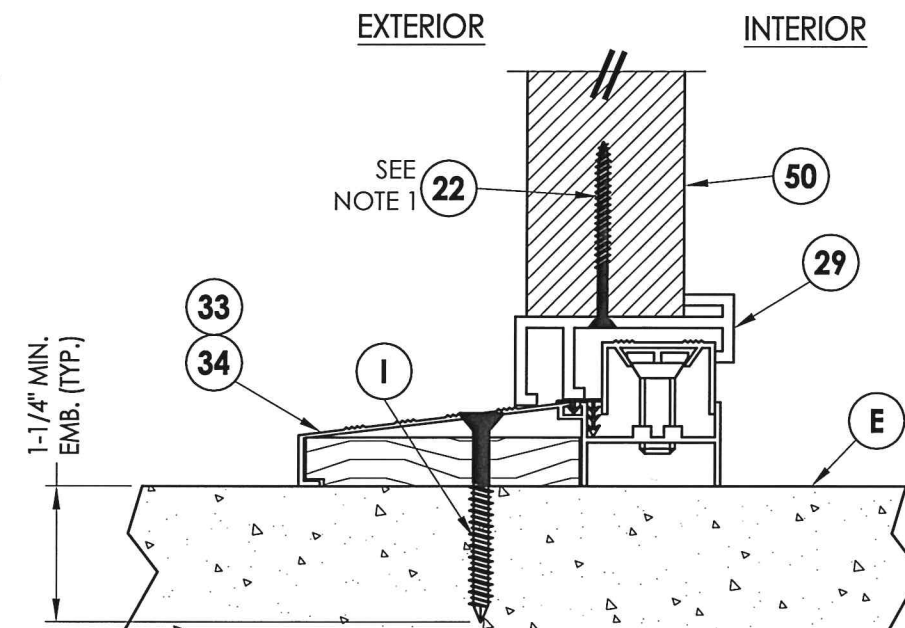
3 **VERTICAL CROSS SECTION**
6 Outswing configuration



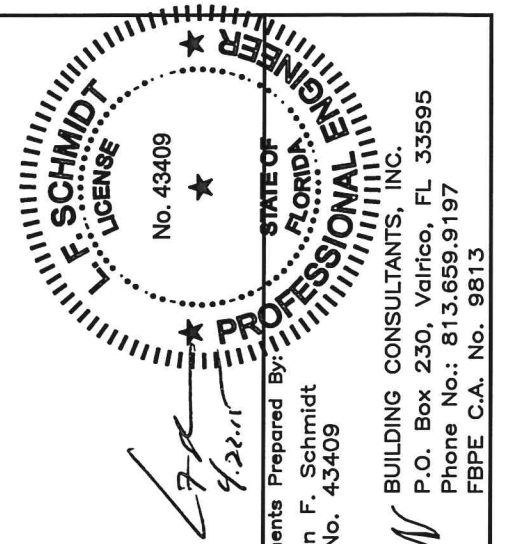
2 VERTICAL CROSS SECTION
6 Shown w/1X sub-buck

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.



4 VERTICAL CROSS SECTION

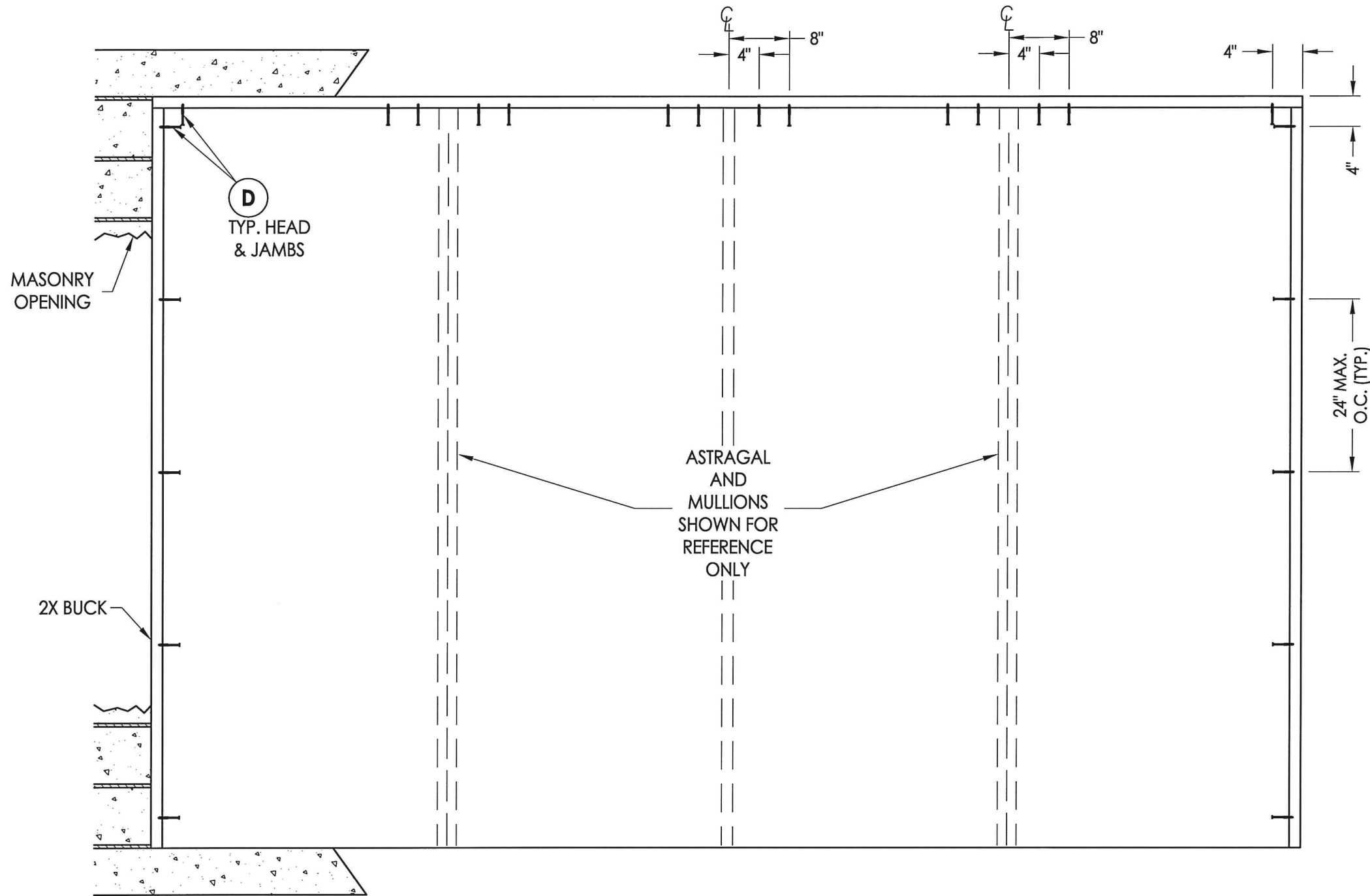


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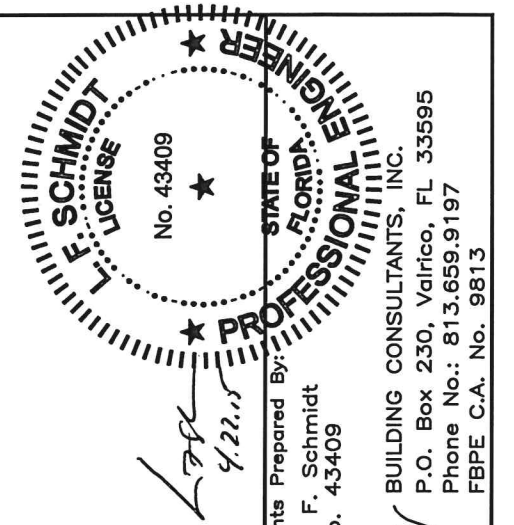
CONCRETE ANCHOR NOTES:

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"

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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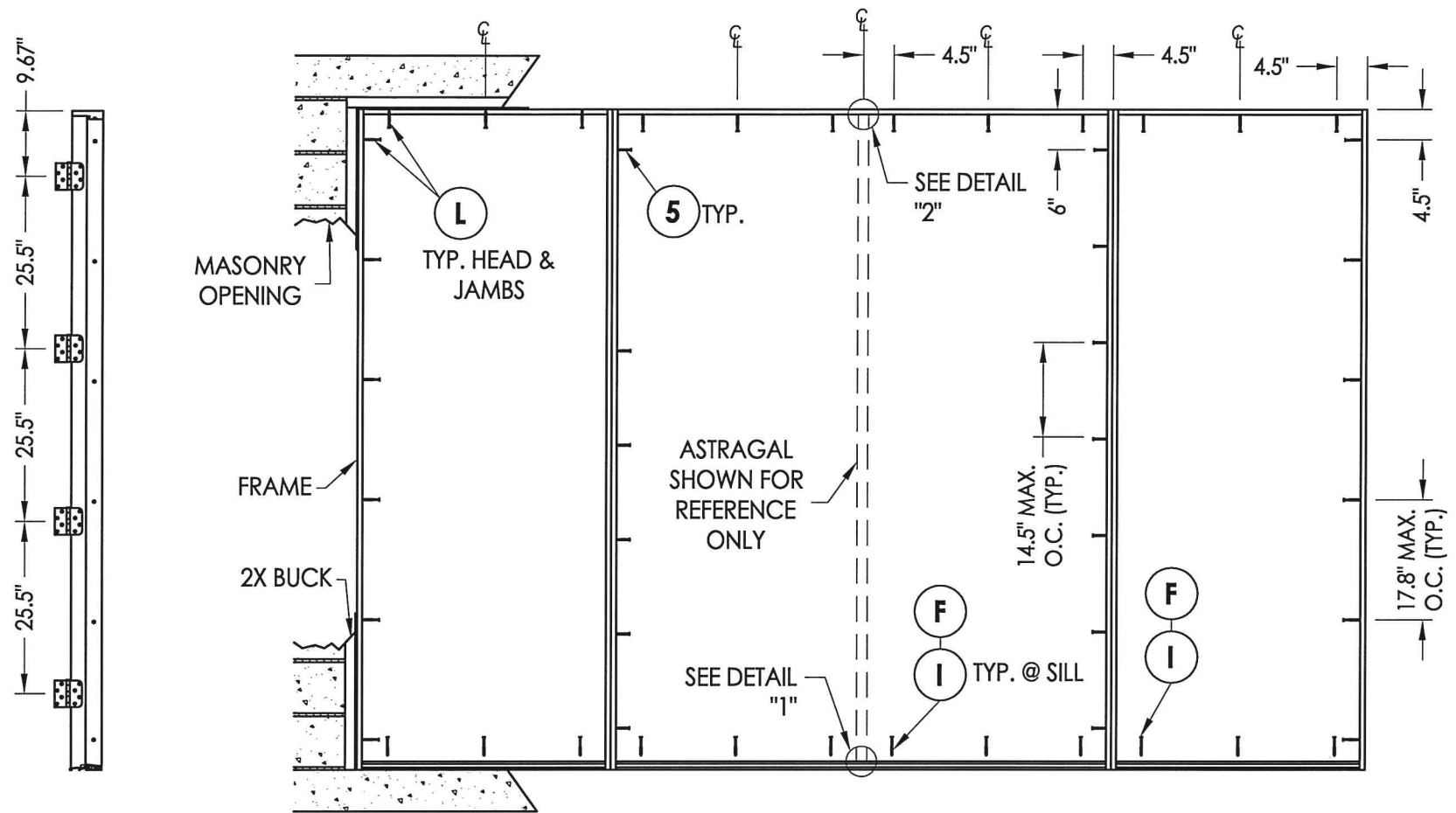
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: BUCK ANCHORING

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-15215.20
SHEET 7 OF 11

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HINGE JAMB

FRAME ANCHORING
Masonry 2X buck construction

CONCRETE ANCHOR NOTES:

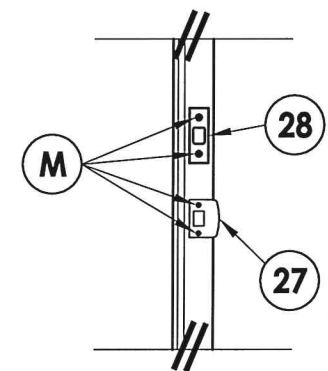
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
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ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

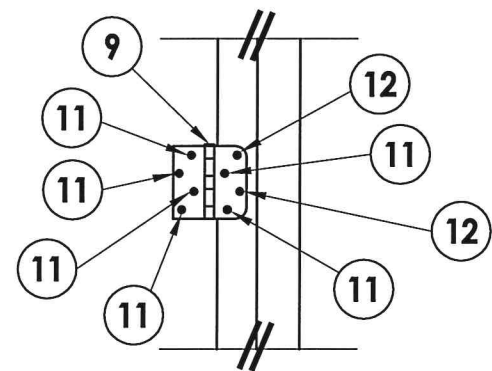
WOOD SCREW INSTALLATION NOTES:

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

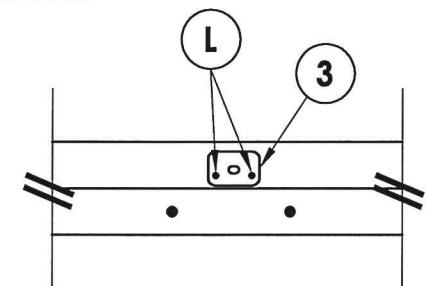
ASTRAGAL STRIKE JAMB



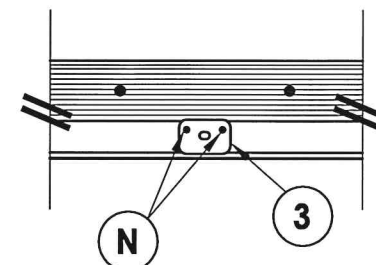
LATCH & DEADBOLT DETAIL



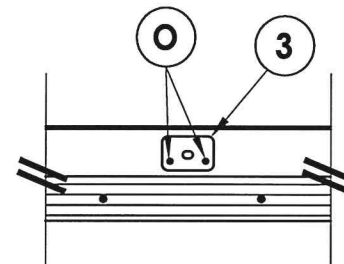
HINGE DETAIL



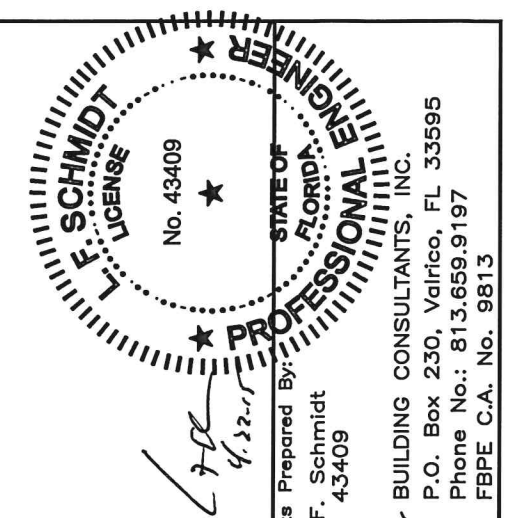
DETAIL 2



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration

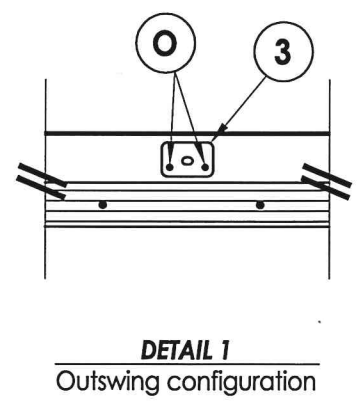
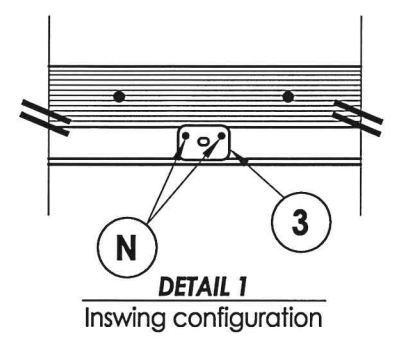
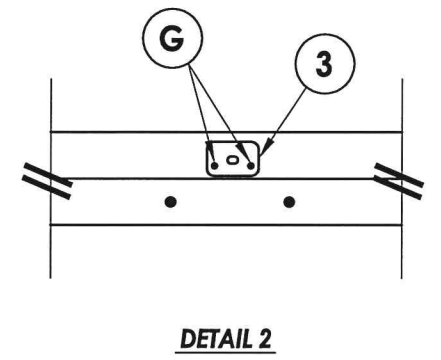
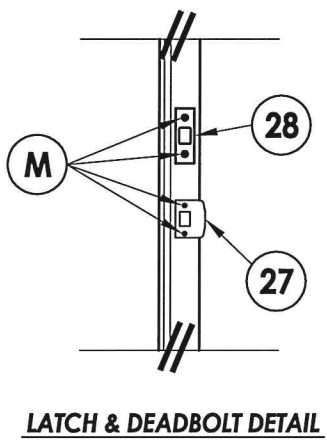
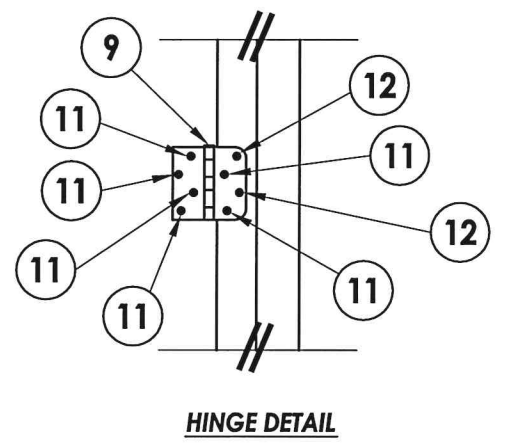
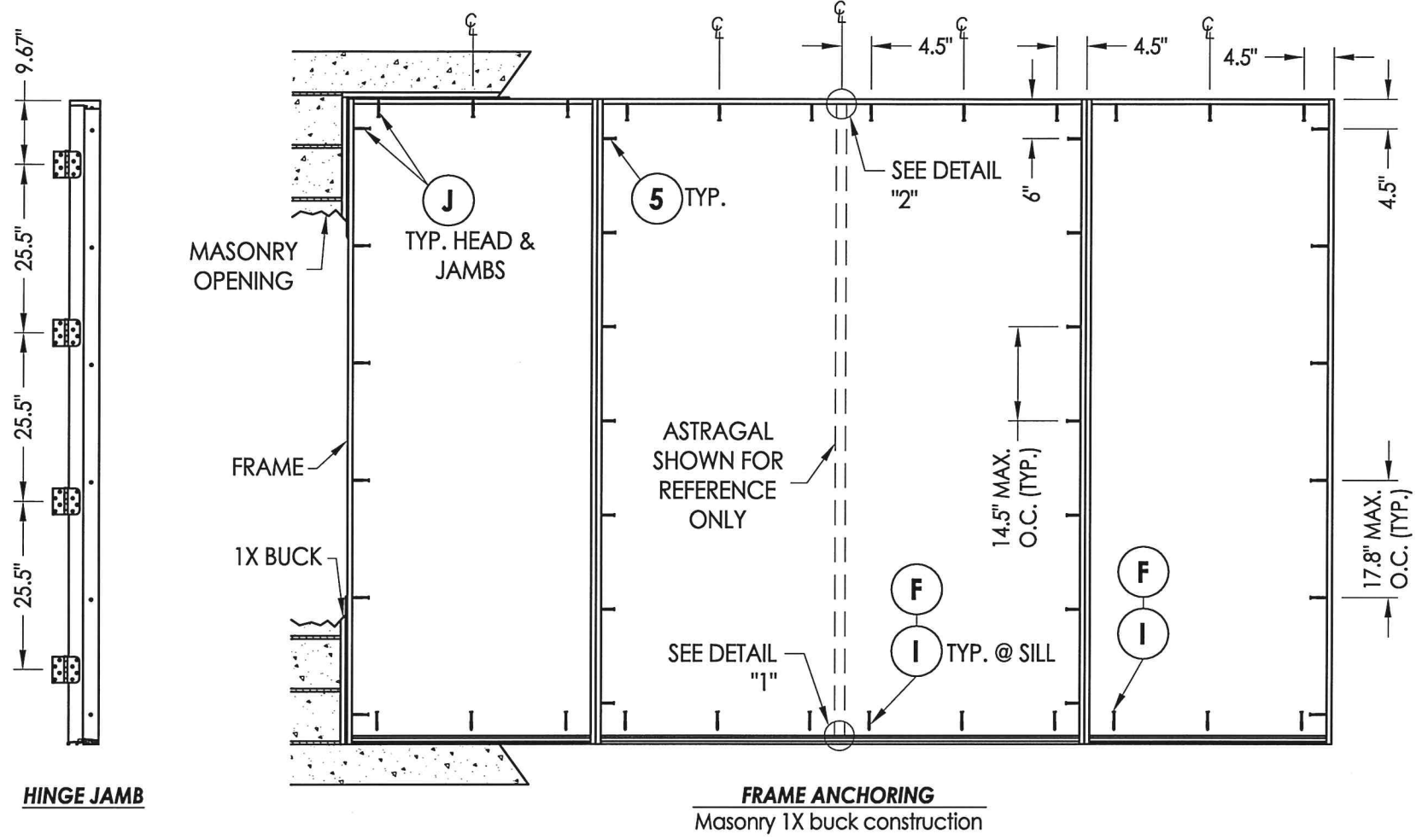


Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION
DATE:	02/15/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15215.20
SHEET	8 OF 11

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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"
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.

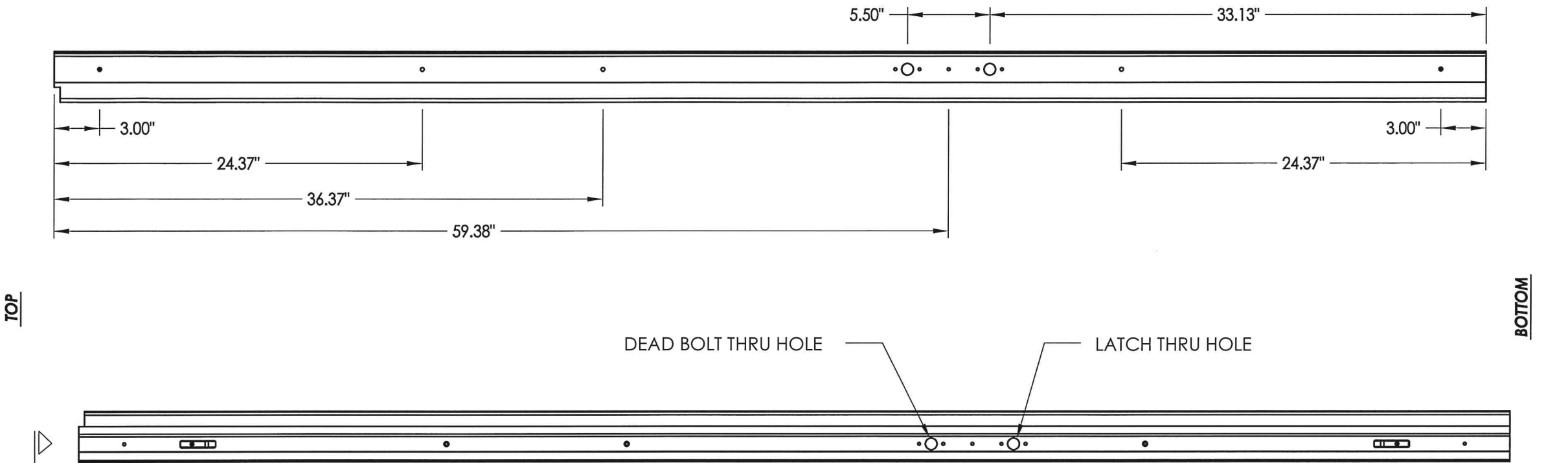
FLORIDA
ENGINEER
L. F. SCHMIDT
LICENSE
No. 43409

STATE OF
FLORIDA
PROFESSIONAL
ENGINEER

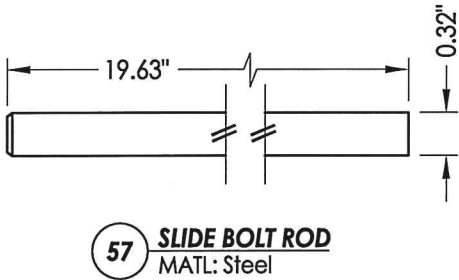
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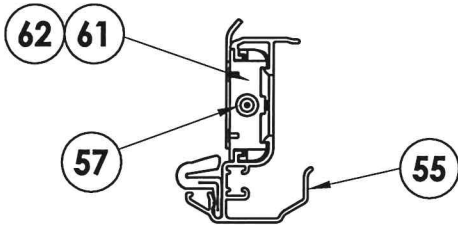
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION	
		JK	RW
		BY	
		REVISIONS	
		NO.	DATE
2	04/22/15	UPDATE TO 5TH ED. (2014) FBC	
1	2/27/13	REVISED GLAZING DETAIL	
DATE: 02/15/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15215.20			
SHEET 9 OF 11			



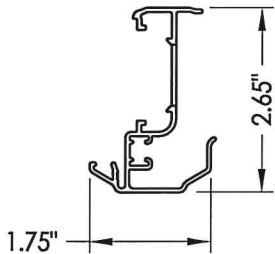
8'0" ALUMINUM ASTRAGAL ASSEMBLY
By Endura Product



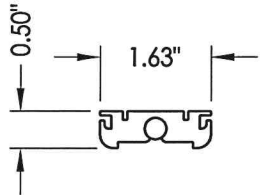
57 SLIDE BOLT ROD
MATL: Steel



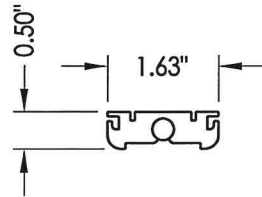
VIEW A-A
Aluminum Astragal Assembly



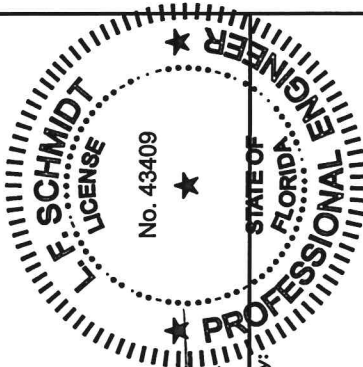
55 ALUMINUM ASTRAGAL
By Endura Product



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



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



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PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

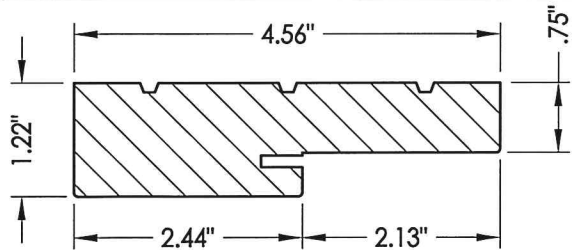
PART OR ASSEMBLY:
ENDURA ASTRAGAL DETAILS

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

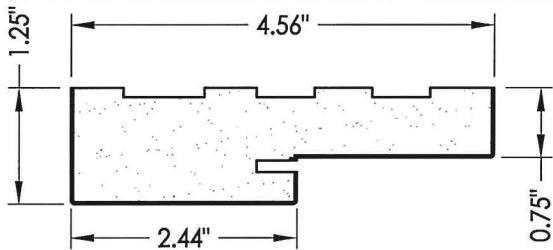
DATE: 02/15/12
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15215.20
SHEET 10 OF 11

R:\Clients\Plastpro, Inc PERMANENT\Florida Product Approvals\FL - 15215C - Drawings\Current\FL-15215.11-20.dwg, 11.10

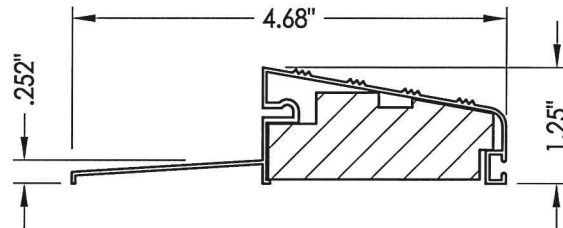
BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	27	LATCH STRIKE PLATE	STEEL
B	2X BUCK SG >= 0.55	WOOD	28	DEADBOLT STRIKE PLATE	STEEL
C	1/4" MAX. SHIM SPACE	-	29	SIDELITE SPACER	PVC
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL	30	WEATHER-STOP 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	LATCH & HINGE STILE SUPPORT	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	STILE STIFFENER REINFORCEMENT	WOOD
6	SEALANT	SILICONE	48	REINFORCEMENT RETAINING SCREW	NYLON
7	Q-LON 650 WEATHER STRIP 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	55	ASTRAGAL BY ENDURA PRODUCTS	ALUMINUM
18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL	57	SLIDE BOLT ROD	STEEL
20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD	61	9-3/4" LENGTH TOP BOLT RETAINER	ALUMINUM
22	#8 X 2" PFH WOOD SCREW	STEEL	62	9-3/4" LENGTH BOTTOM BOLT RETAINER	ALUMINUM



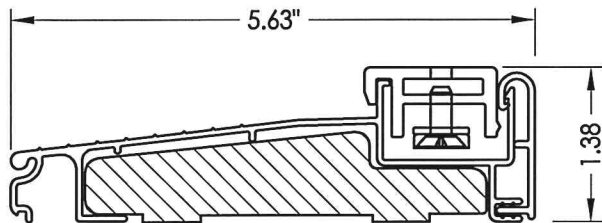
20 HEAD & SIDE Jamb



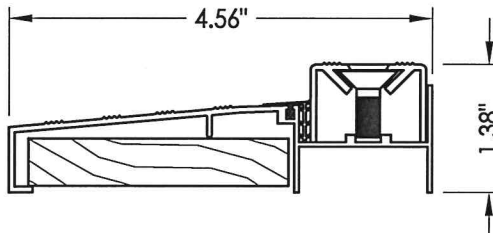
21 HEAD & SIDE Poly fiber jamb



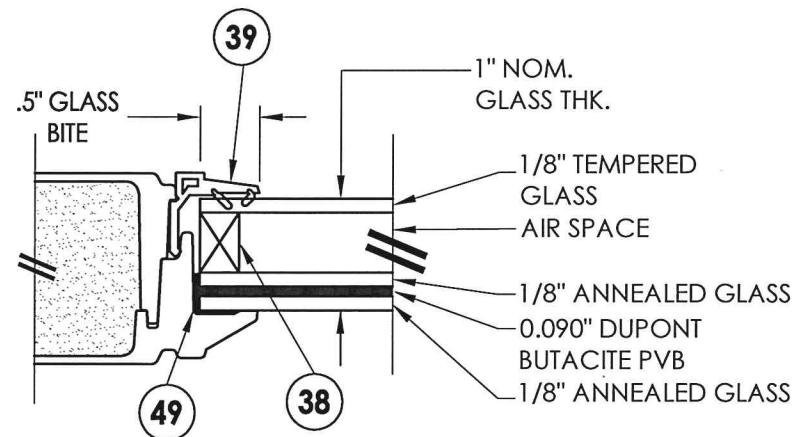
31 OUTSWING BUMP THRESHOLD



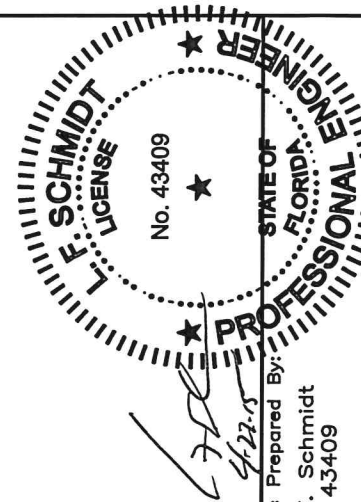
33 ADJUSTABLE INSWING THRESHOLD



34 ADJUSTABLE INSWING THRESHOLD



G1 GLAZING DETAIL



Documents Prepared By:
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FBPE C.A. No. 9813

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS

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-15215.20
SHEET 11 OF 11