

plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

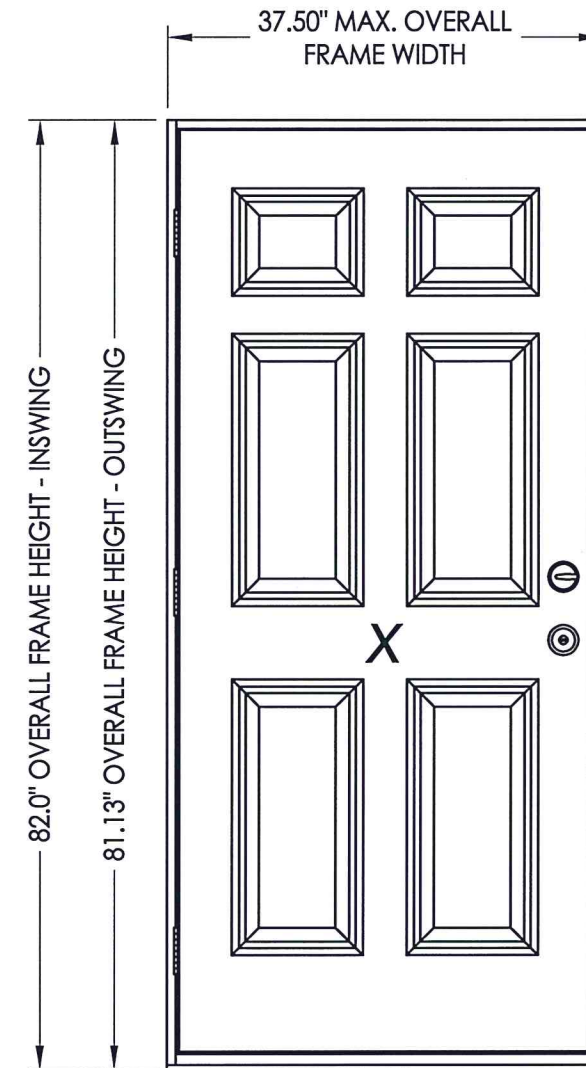
**Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany
Series O Fiberglass Door
INSWING / OUTSWING
"IMPACT"**

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 6th Edition (2017) 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 complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud 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". All other configurations do not meet the water infiltration requirements for the "HVHZ" and must 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.

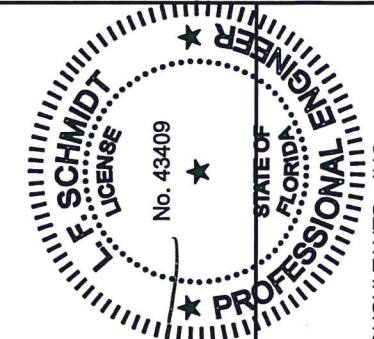
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6	Vertical Cross Sections (Thresholds)	12	Bill of materials



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
X	37.5" x 82.0"	+75.0	-75.0

See sheets 2 for hardware design pressure limitations



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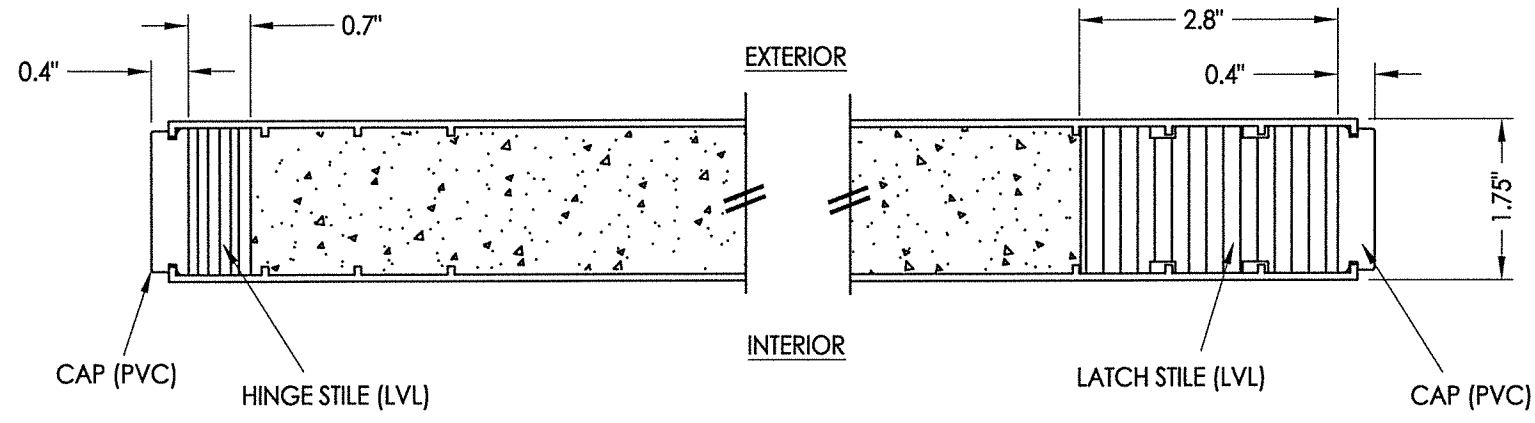
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

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

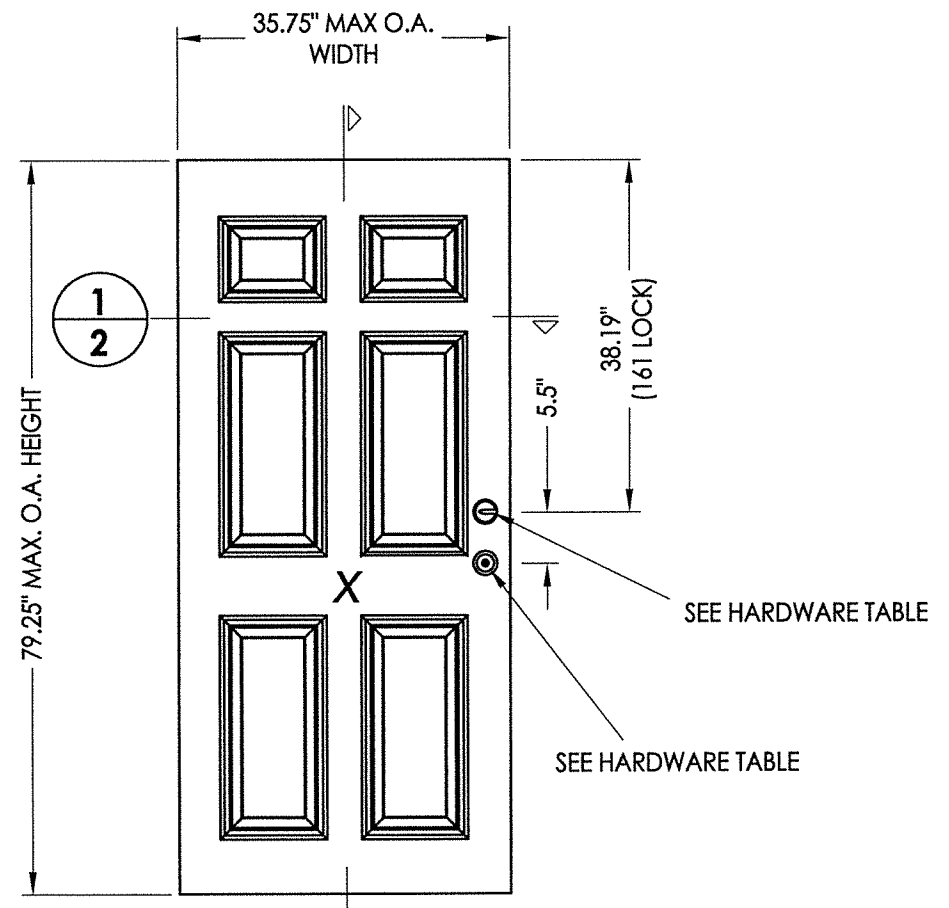
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1	3/9/15	JK	UPDATE TO 5TH ED. (2014) FBC

DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15210.1
SHEET 1 OF 12

R:\Clients\Plastpro, Inc PERMANENT\A - Florida Product Approvals\FL-15210 HVHZ Fiberglass - Impact Opaque and Glazed\C - Drawings\FL-15210 (2017)\FL-15210.1-6.dwg, 2.1



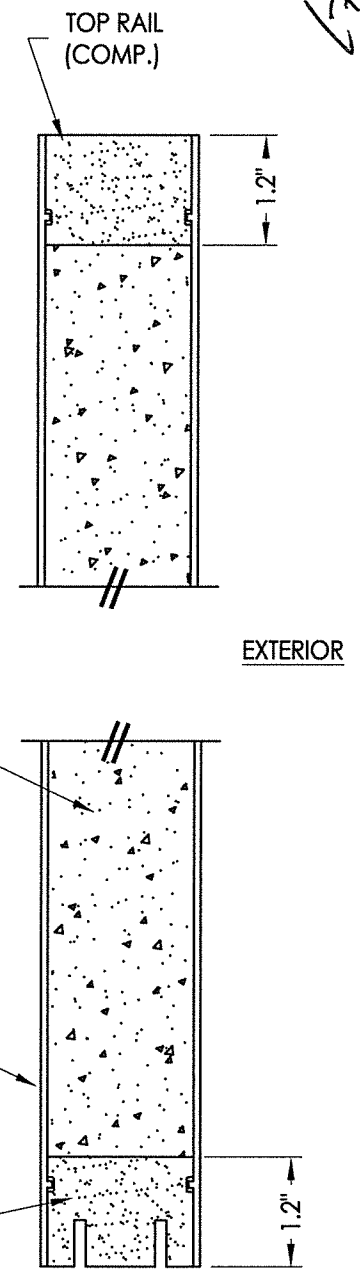
1
2 HORIZONTAL CROSS SECTION



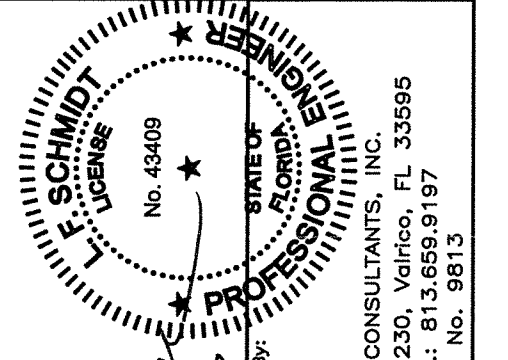
2
2
40 DOOR PANEL
Plastpro
Fiberglass

HARDWARE TABLE			
MANUFACTURER	MODEL		MAX. DESIGN PRESSURE (PSF)
KWIKSET	KNOB:	SIGNATURE SERIES	± 75
	DEADBOLT:	SIGNATURE SERIES (980)	
SCHLAGE	KNOB:	"F" SERIES (F51)	± 75
	DEADBOLT:	"B" SERIES (B60/62)	
PAMEX	LEVER:	FL3B SERIES	± 75
	DEADBOLT:	FD7 SERIES	
HOPPE	MULTIPOINT LOCK:	HLS9000 3-POINT TONGUE	± 50
ENDURA	MULTIPOINT LOCK:	TRILENNIUM 3000 (3-PT)	± 75

See sheets 5 and 6 for multipoint lock details.

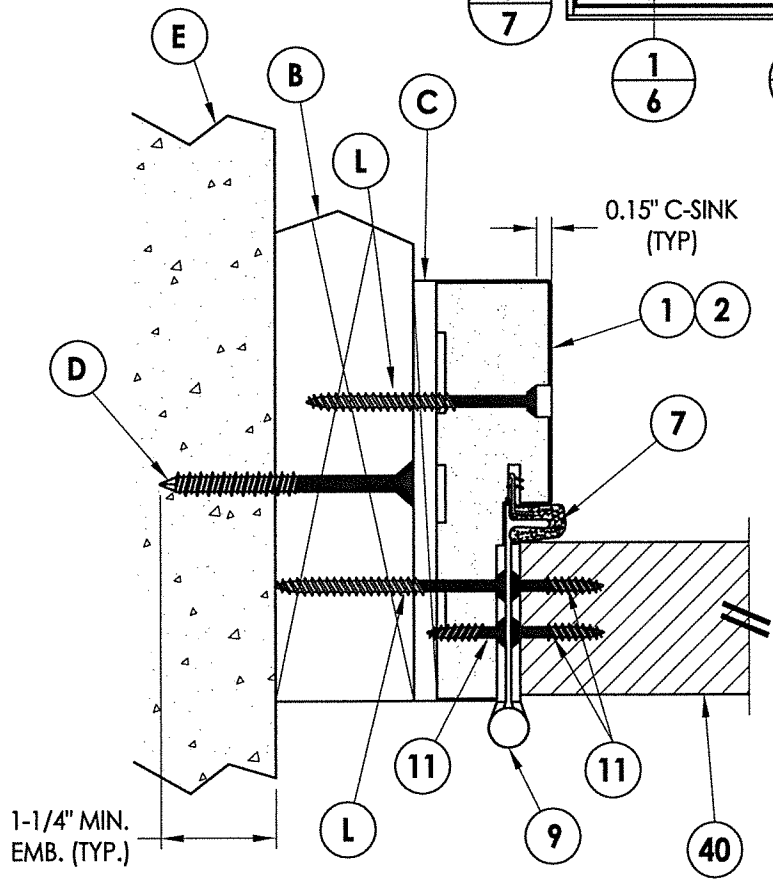
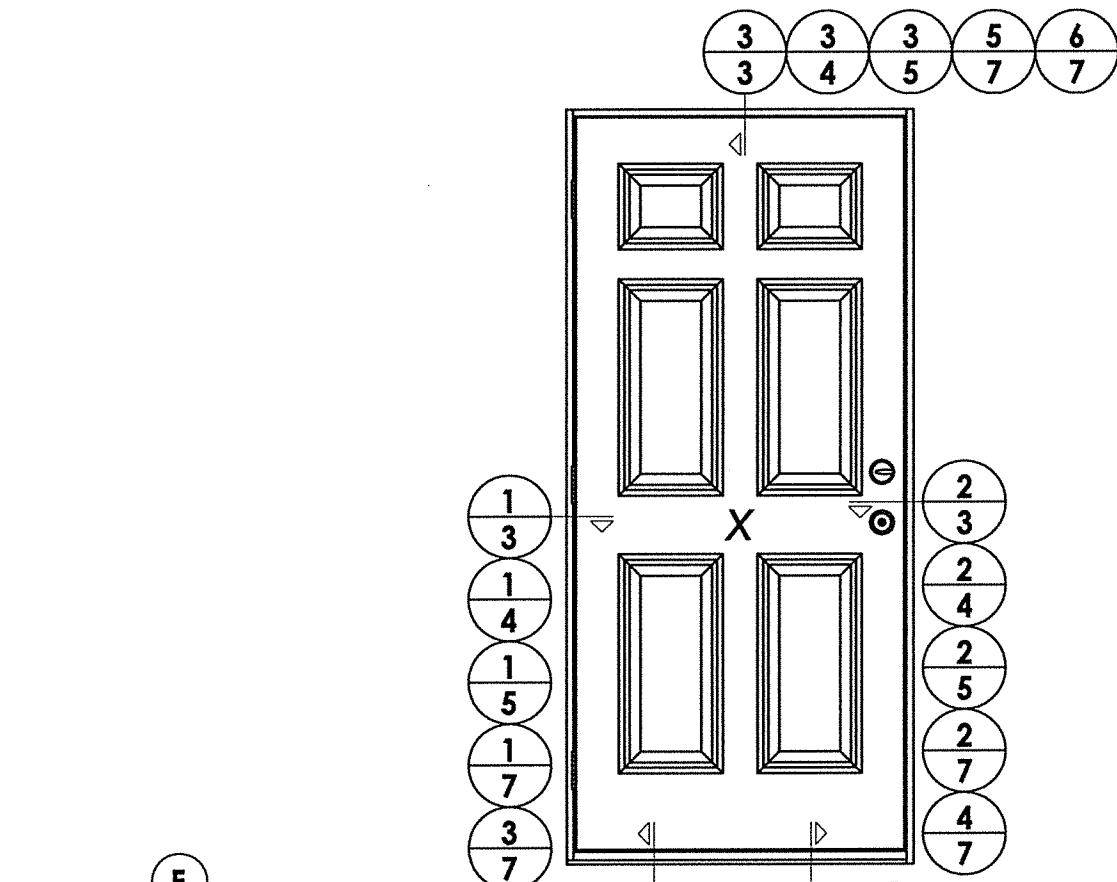


2
2 VERTICAL CROSS SECTION

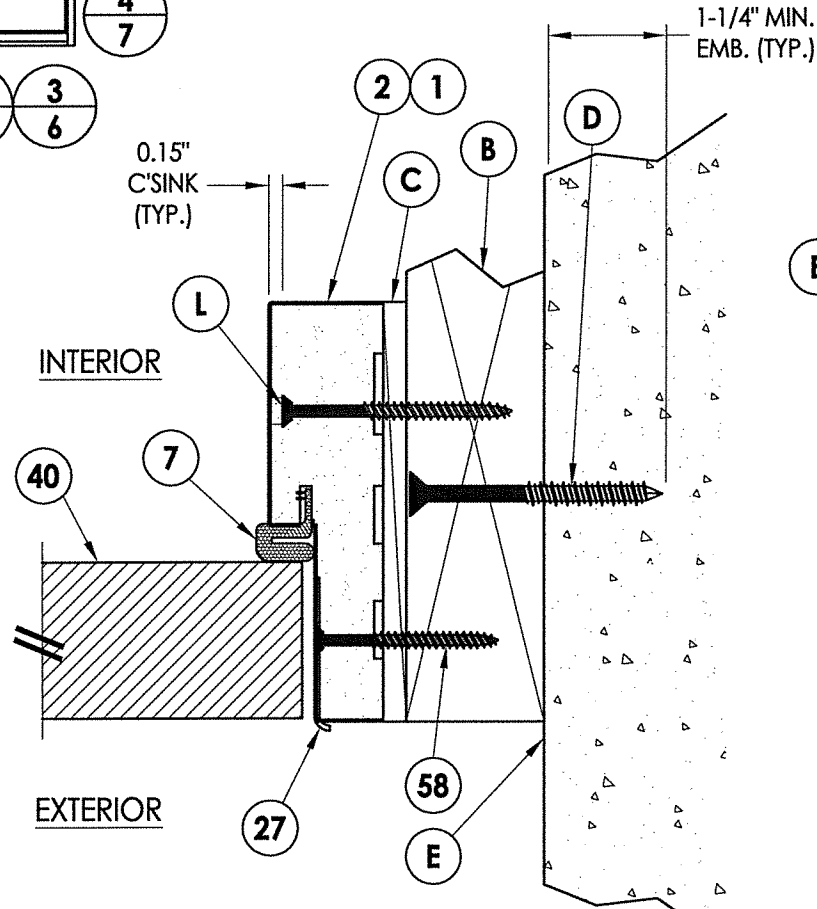


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BUILDING CONSULTANTS, INC.
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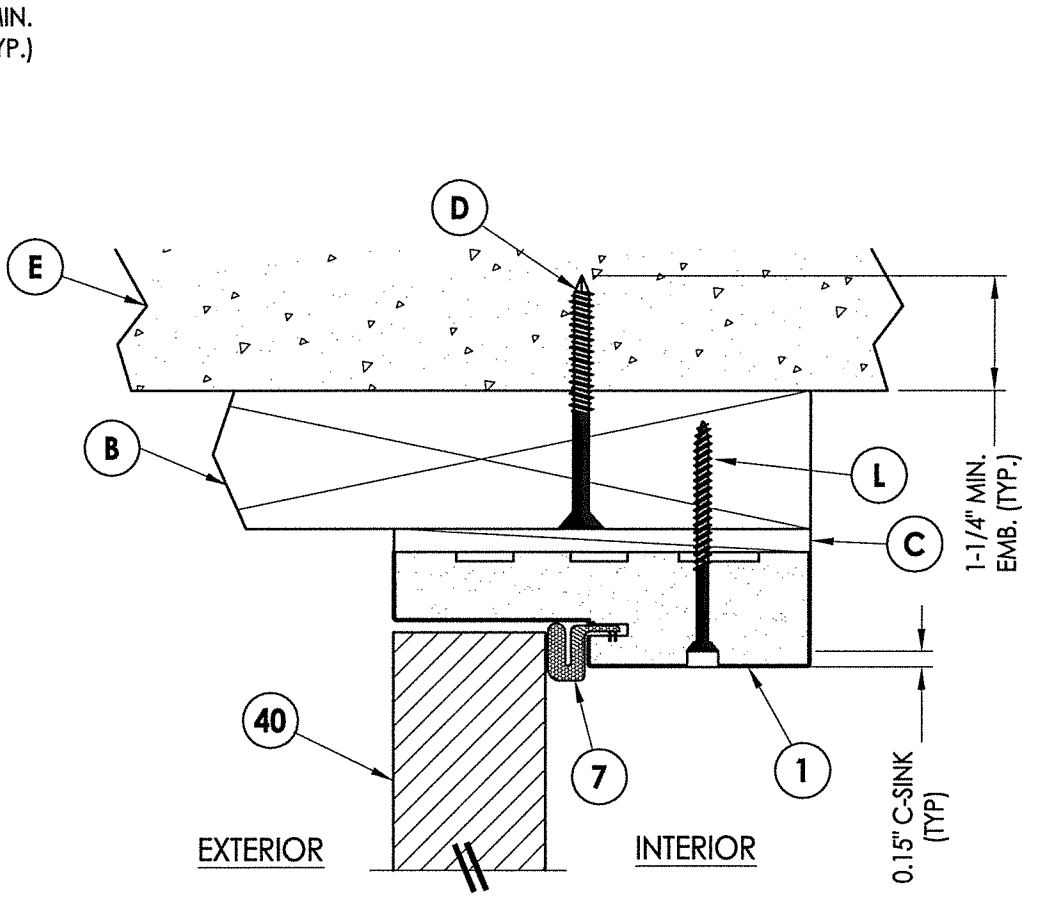
PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
NO.	DATE	BY	REVISIONS
2	7/24/17	JK	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	JK	UPDATE TO 5TH ED. (2014) FBC
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15210.1			
SHEET 2 OF 12			



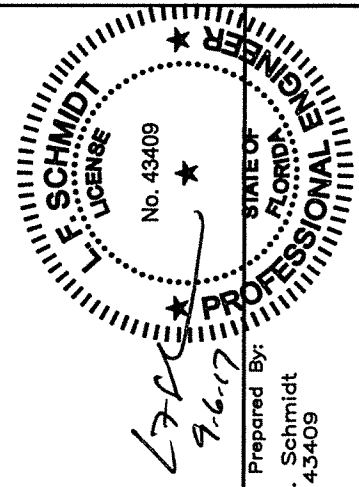
1 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



2 HORIZONTAL CROSS SECTION
3 Outswing shown (Inswing similar)



3 VERTICAL CROSS SECTION
3 Outswing shown (Inswing similar)



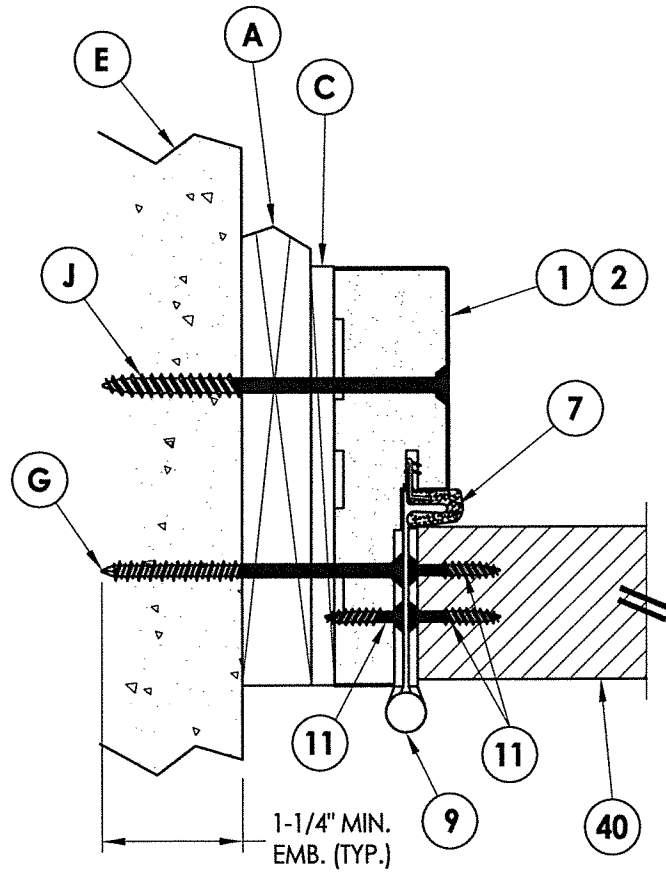
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RW BUILDING CONSULTANTS, INC.
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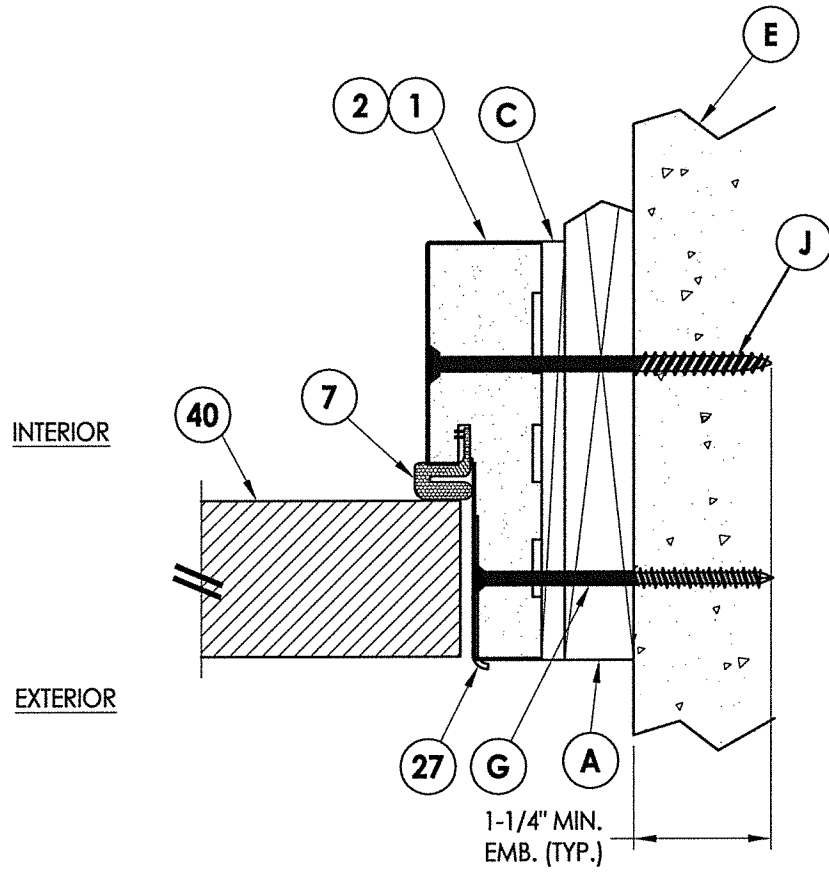
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)

NO.	DATE	BY
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1	3/9/15	JK

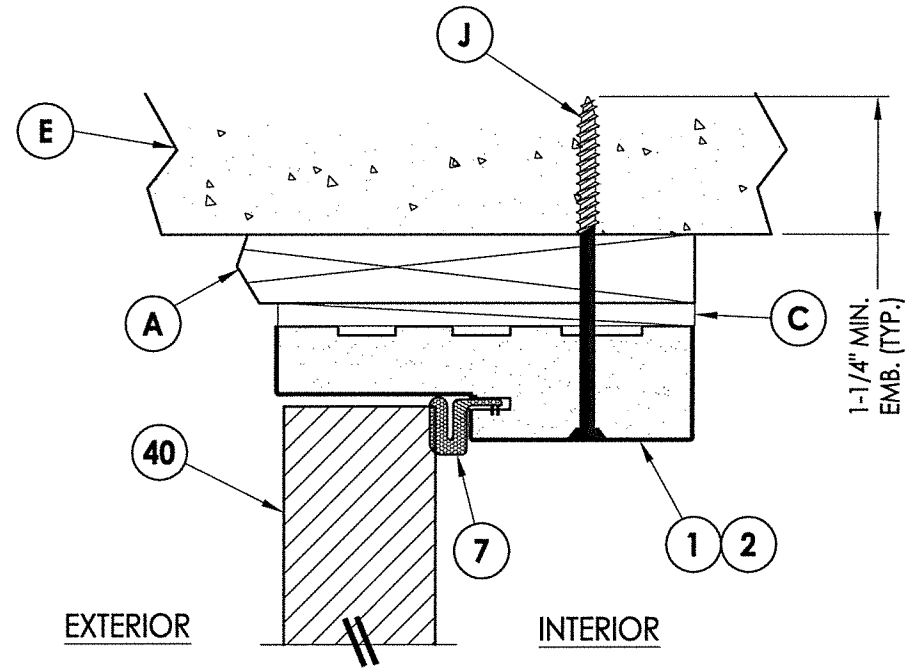
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15210.1
SHEET 3 OF 12



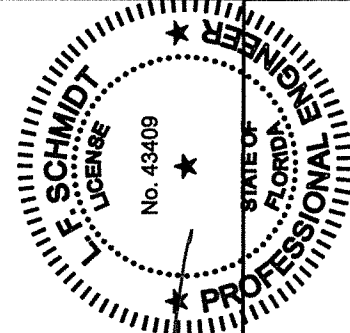
1 **HORIZONTAL CROSS SECTION**
4 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)



2 **HORIZONTAL CROSS SECTION**
4 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)



3 **VERTICAL CROSS SECTION**
4 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)



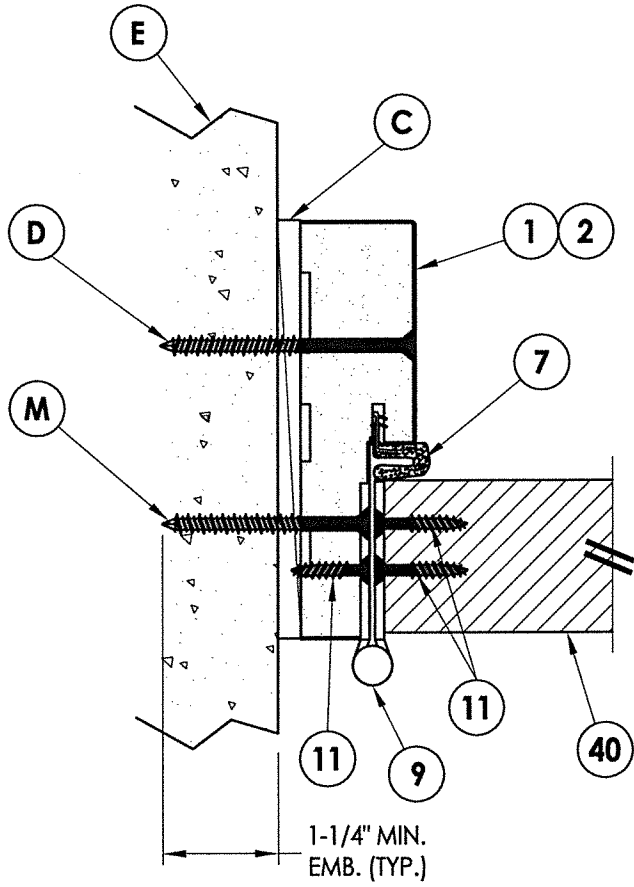
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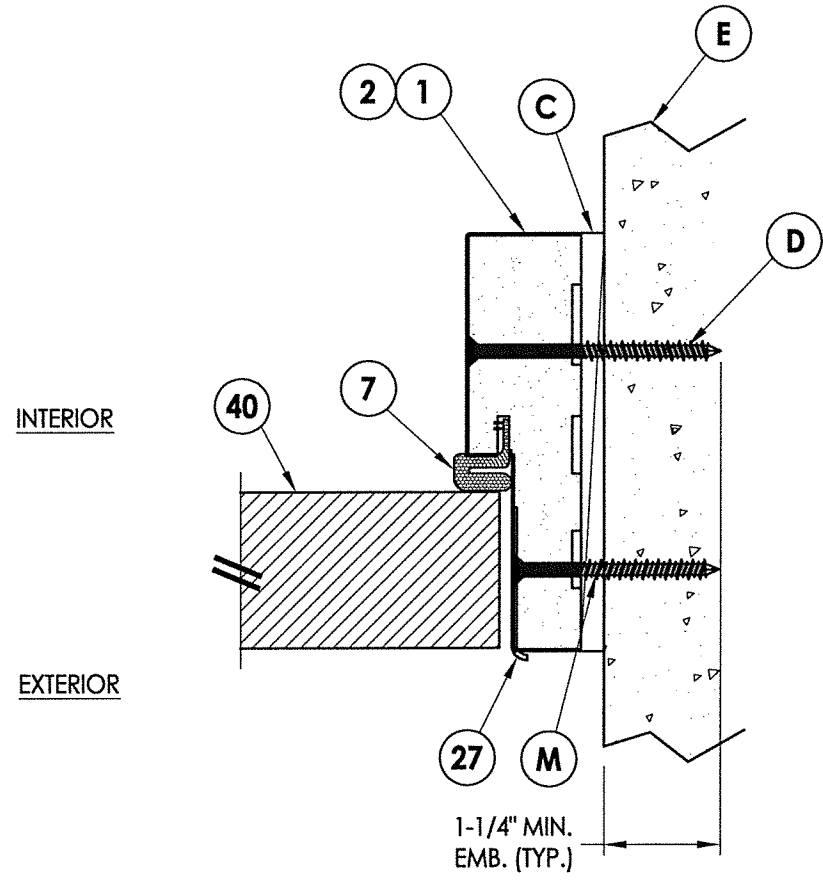
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
 PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

REVISIONS	
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2	7/24/17
1	3/9/15
JK	DATE
JK	DATE
JK	DATE

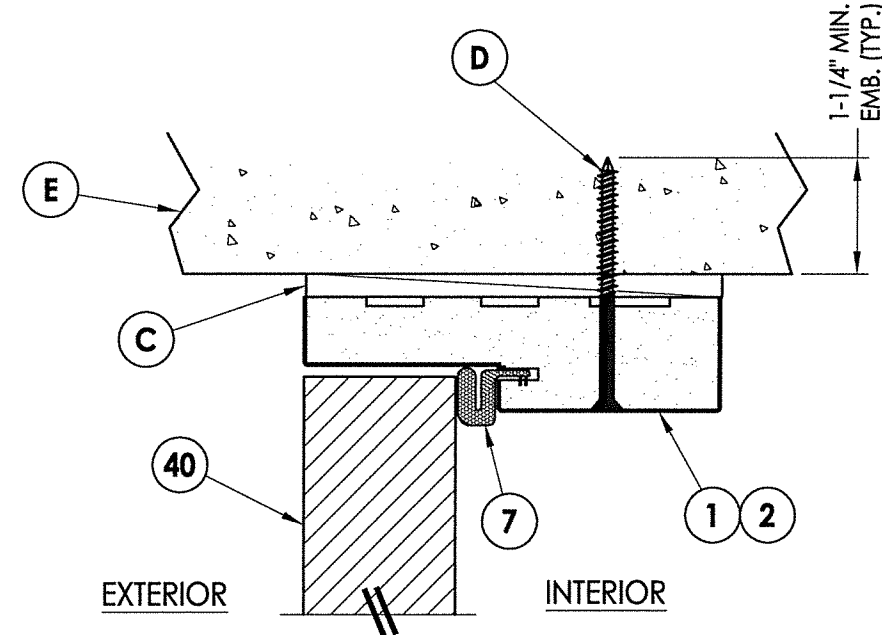
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 CHK. BY: LFS
 DRAWING NO.: FL-15210.1
 SHEET 4 OF 12



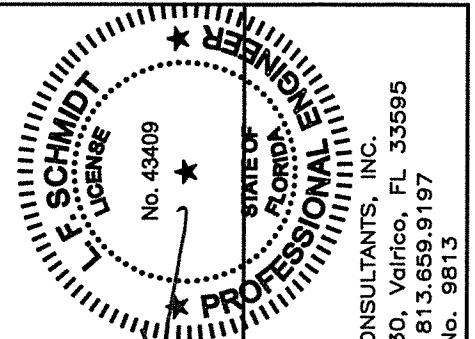
1 **HORIZONTAL CROSS SECTION**
5 Shown Direct to Masonry
 Outswing shown (Inswing similar)



2 **HORIZONTAL CROSS SECTION**
5 Shown Direct to Masonry
 Outswing shown (Inswing similar)



3 **VERTICAL CROSS SECTION**
5 Shown Direct to Masonry
 Outswing shown (Inswing similar)

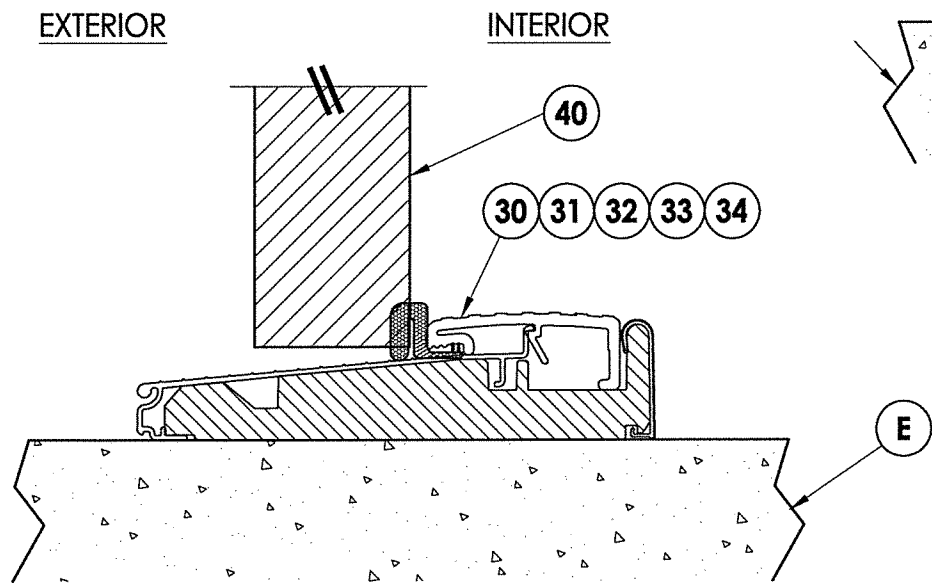


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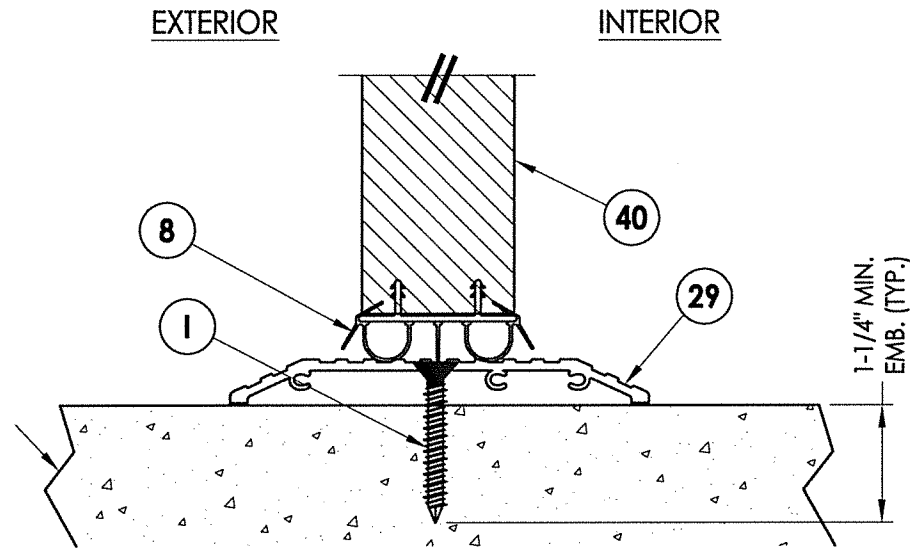
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
 PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

NO.	DATE	BY	REVISIONS
2	7/24/17	JK	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	JK	UPDATE TO 5TH ED. (2014) FBC

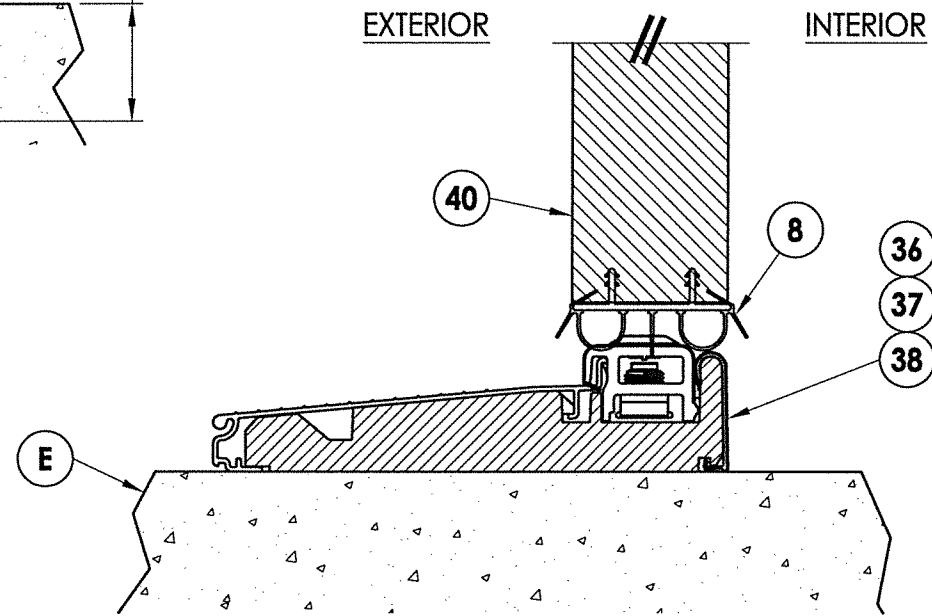
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 CHK. BY: LFS
 DRAWING NO.: FL-15210.1
 SHEET 5 OF 12



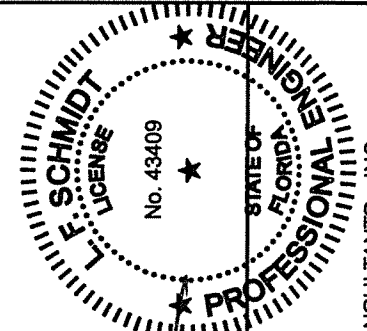
1 VERTICAL CROSS SECTION
6 Outswing configuration



2 VERTICAL CROSS SECTION
6 Shown w/ ADA threshold



3 VERTICAL CROSS SECTION
6 Inswing configuration



LFS
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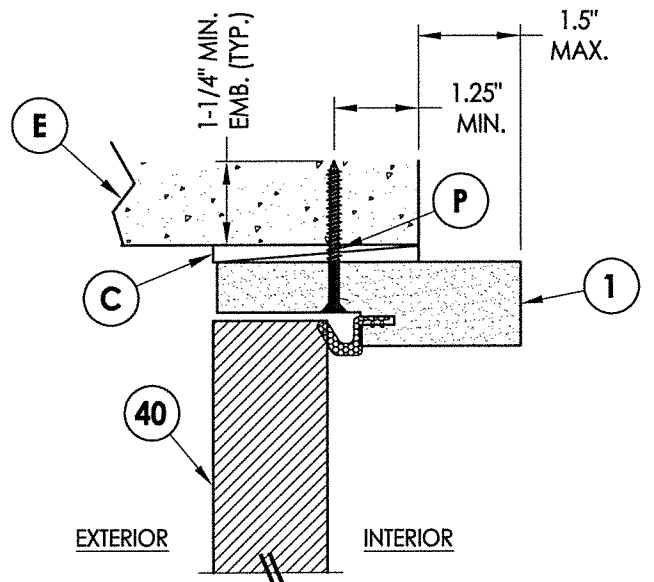
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

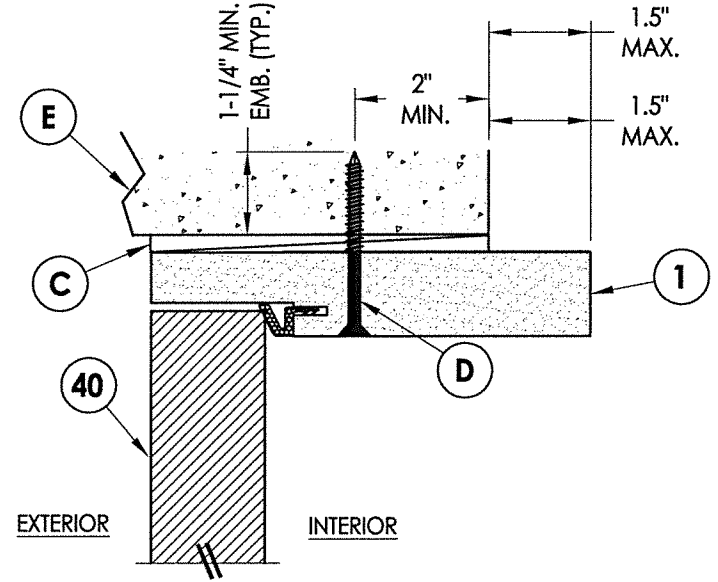
NO.	DATE	BY
2	7/24/17	JK
1	3/9/15	JK

DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15210.1
SHEET 6 of 12

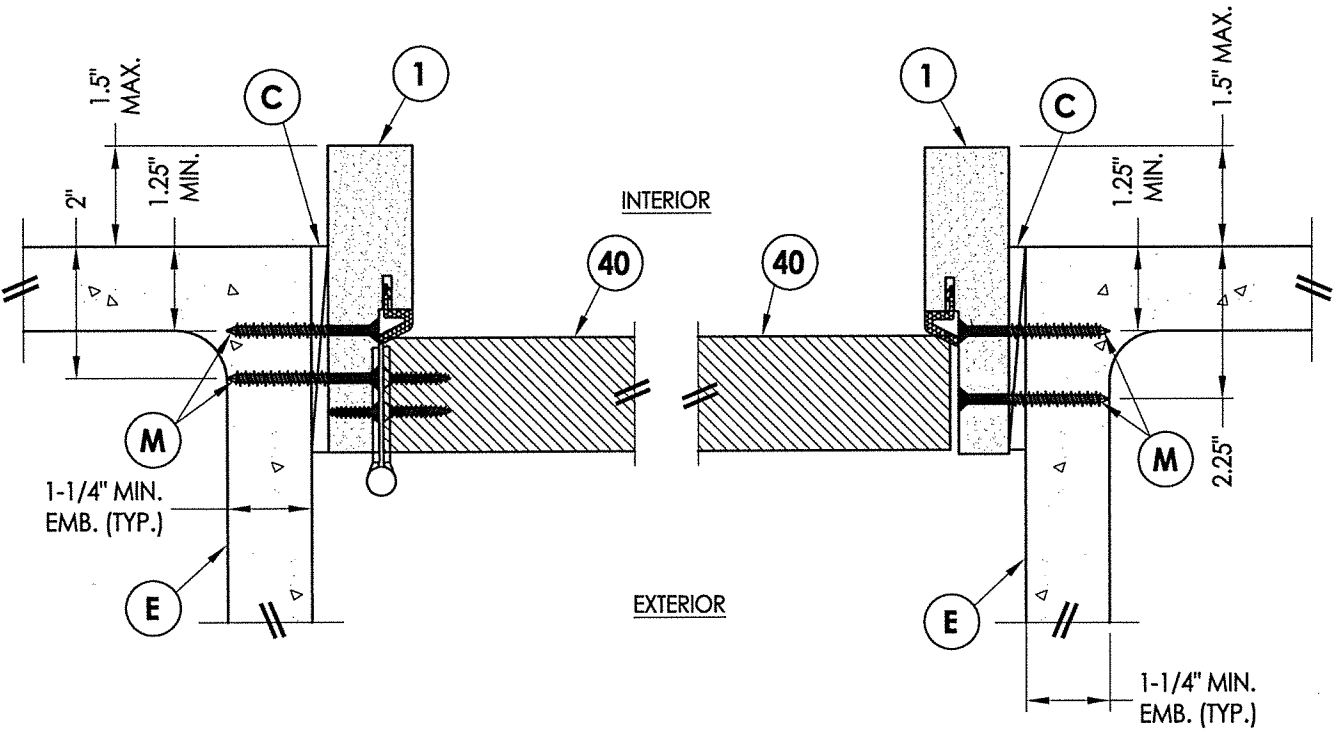
R:\Clients\Plastpro, Inc PERMANENT\A - Florida Product Approvals\FL-15210 HVHZ Fiberglass - Impact Opaque and Glazed\C - Drawings\FL-15210 (2017)\FL-15210.1-6.dwg, 7.1



5 VERTICAL CROSS SECTION
7 Shown Direct to Masonry
 Outswing only w/ 4-9/16" jamb

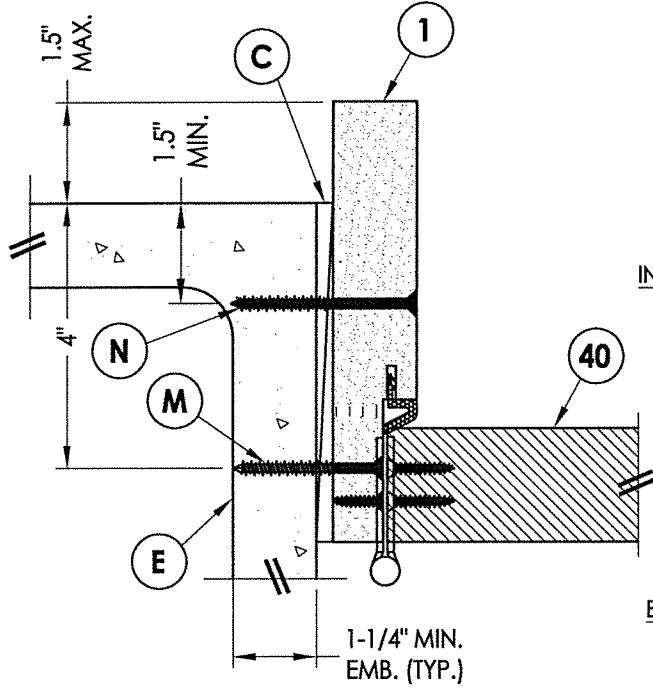


6 VERTICAL CROSS SECTION
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

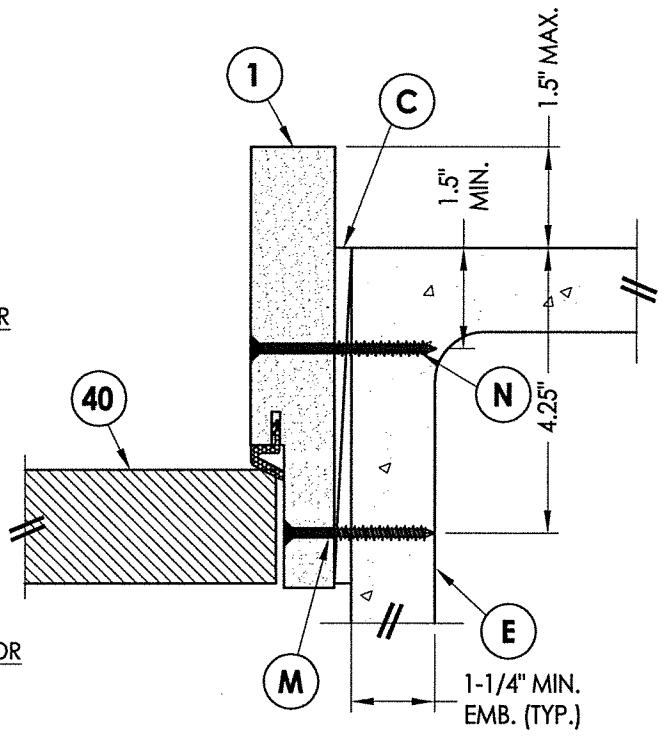


1 HORIZONTAL CROSS SECTION
7 Shown Direct to Masonry
 Outswing only w/ 4-9/16" jamb

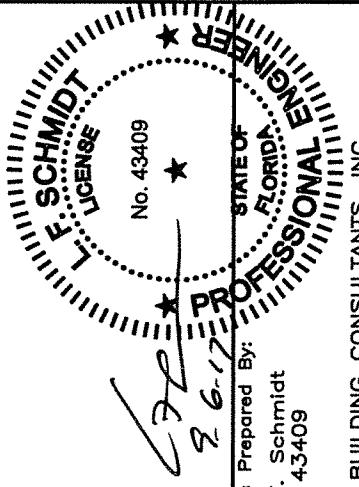
2 HORIZONTAL CROSS SECTION
7 Shown Direct to Masonry
 Outswing only w/ 4-9/16" jamb



3 HORIZONTAL CROSS SECTION
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



4 HORIZONTAL CROSS SECTION
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



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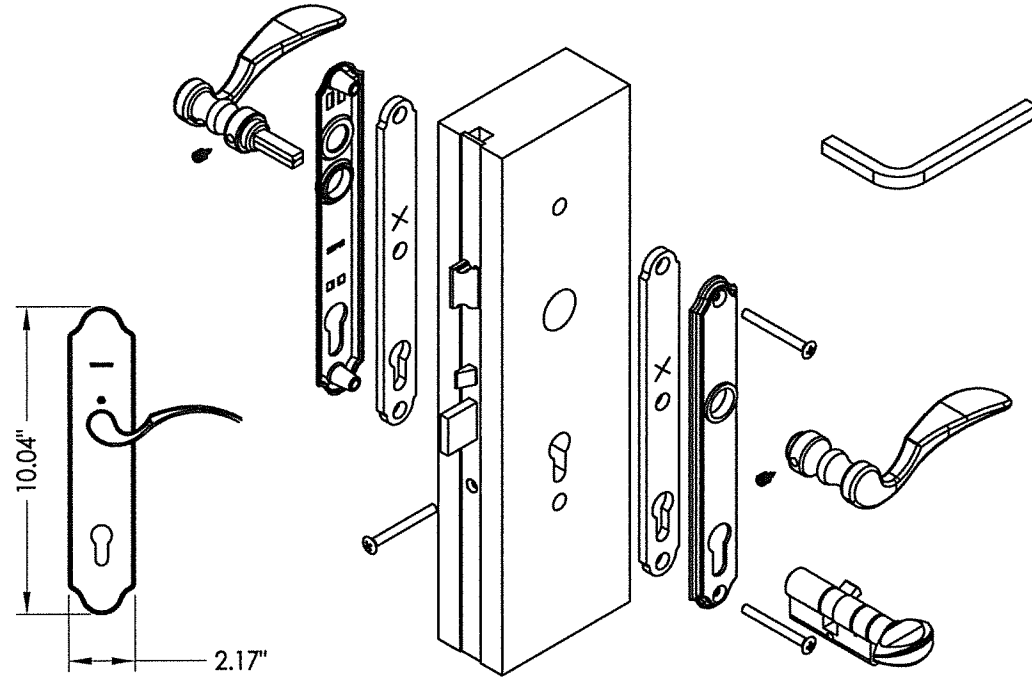
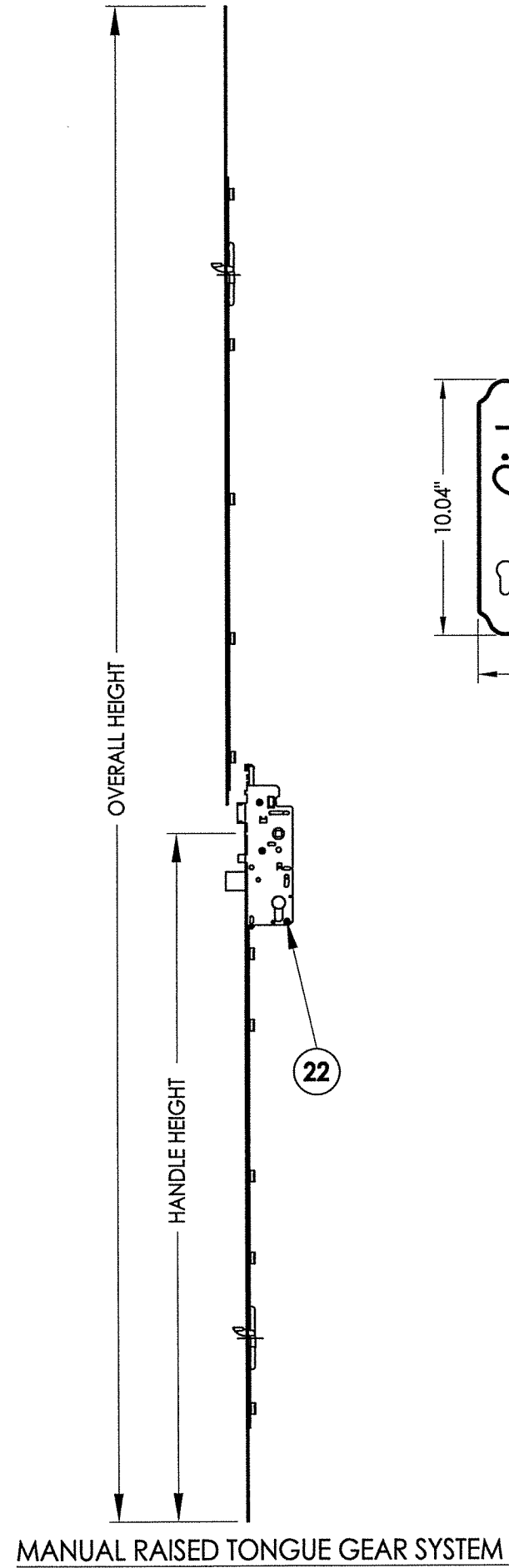
R.W.
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813

PRODUCT:
 PLASTPRO INC.
 FIBERGLASS DOOR

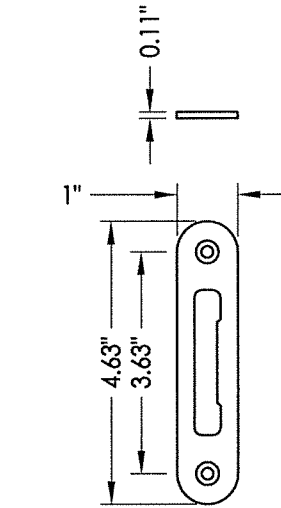
PART OR ASSEMBLY:
 HORIZONTAL & VERTICAL
 SECTIONS (DIRECT TO MASONRY)

NO.	DATE	BY
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1	3/9/15	JK

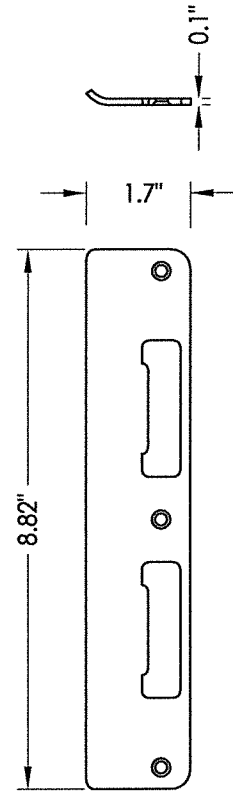
DATE: 02/16/12
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-15210.1
 SHEET 7 OF 12



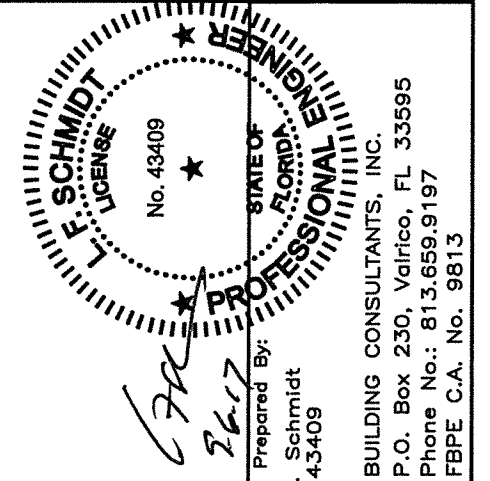
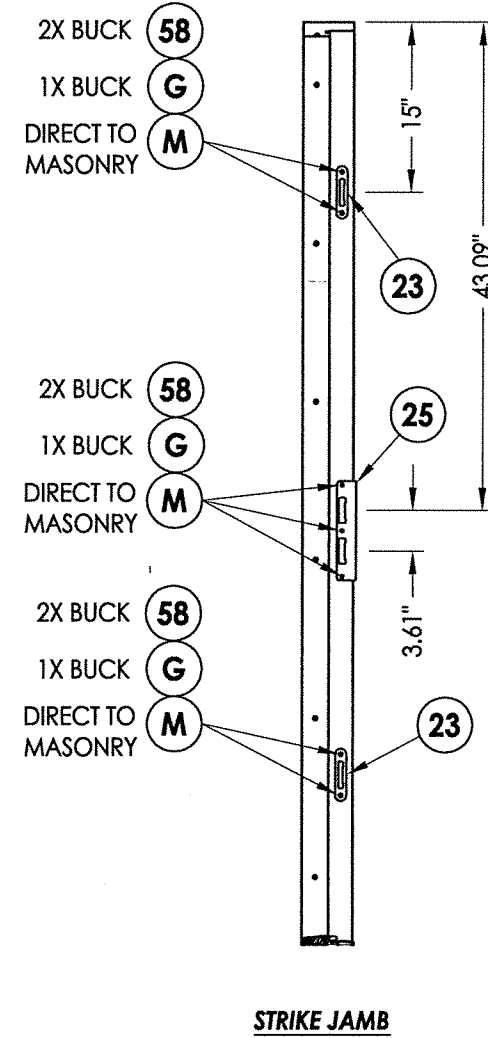
22 HOPPE MULTIPOINT LOCKSET
HLS9000 3-Point "Tongue"



23 MULTIPOINT STRIKE PLATE



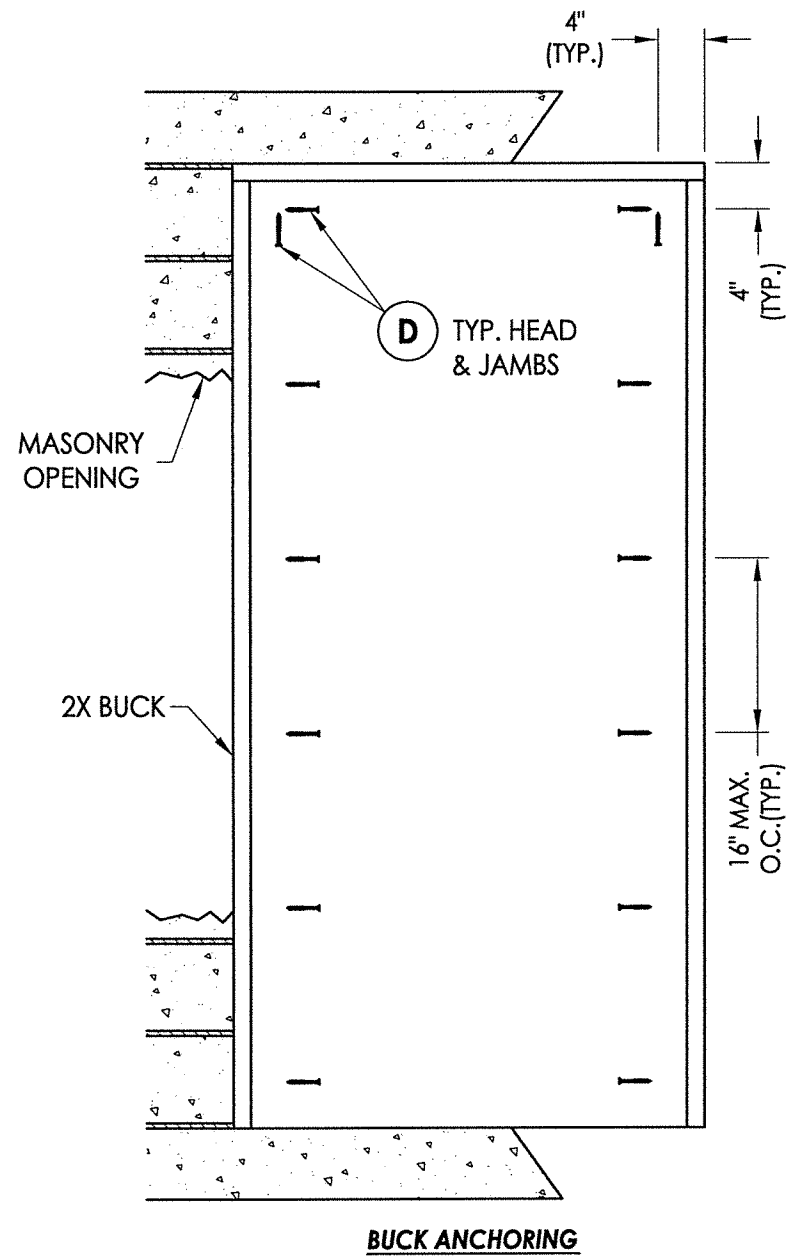
25 LATCH AND DEADBOLT STRIKE PLATE
Tongue system



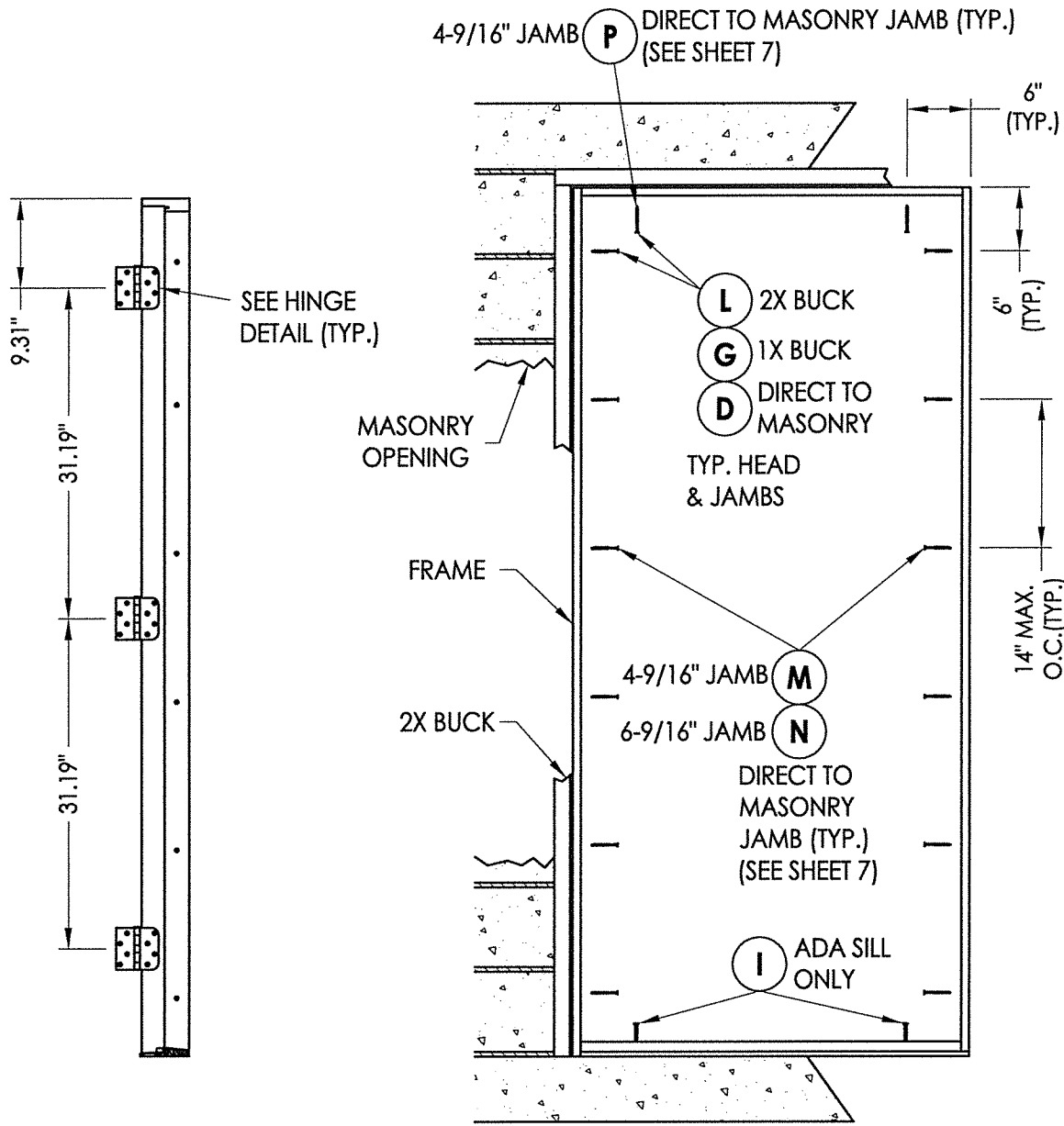
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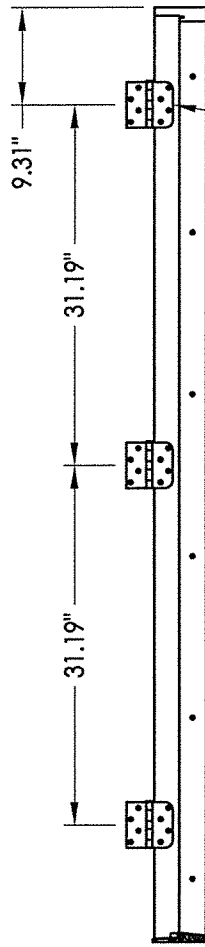
PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		3-POINT LOCK DETAILS	
NO.	DATE	BY	REVISIONS
2	7/24/17	JK	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	JK	UPDATE TO 5TH ED. (2014) FBC
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15210.1			
SHEET 8 OF 12			



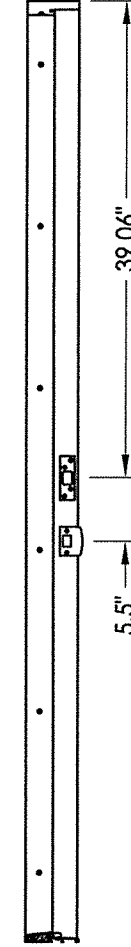
BUCK ANCHORING



FRAME ANCHORING
Masonry construction



STRIKE JAMB



HINGE JAMB

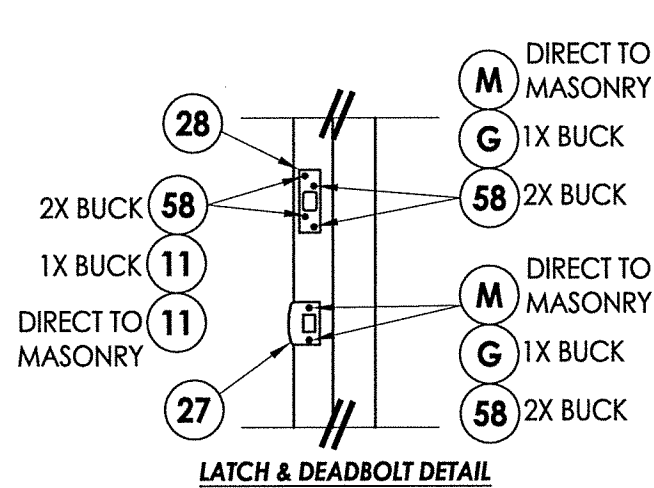
CONCRETE ANCHOR NOTES:

- 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:

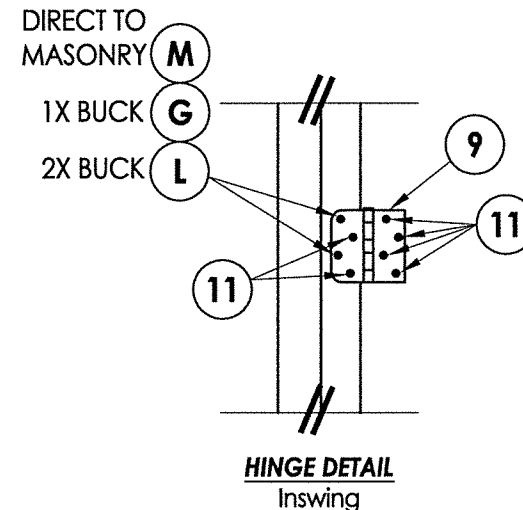
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"

WOOD SCREW INSTALLATION NOTES:

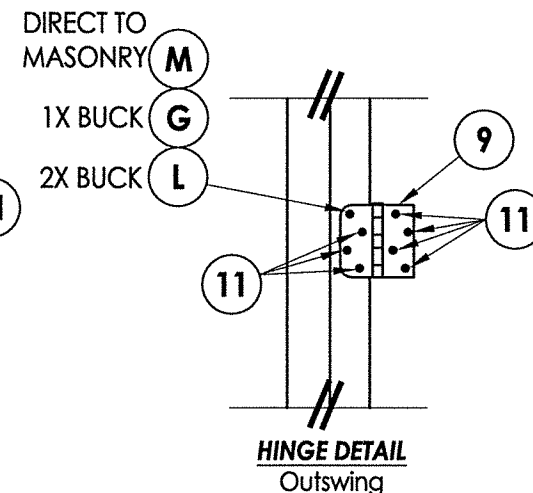
Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



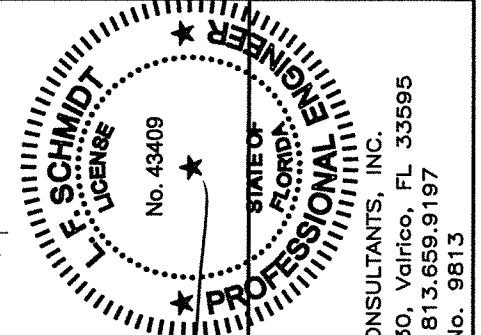
LATCH & DEADBOLT DETAIL



HINGE DETAIL
Inswing



HINGE DETAIL
Outswing

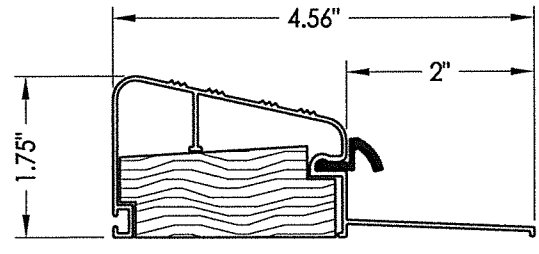


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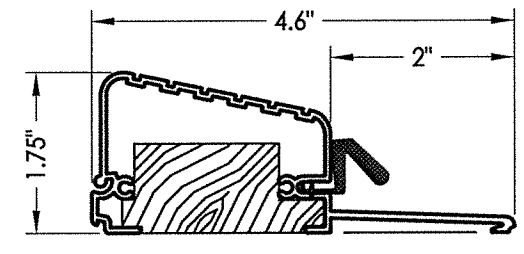
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK AND FRAME ANCHORING
DATE:	02/16/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15210.1
SHEET	10 OF 12

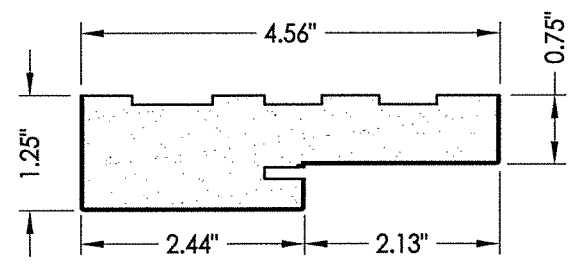
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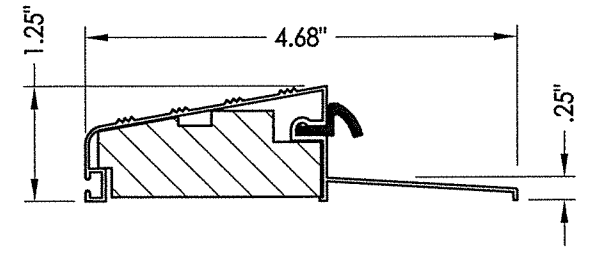
30 OUTSWING THRESHOLD
DLP (QOSR)



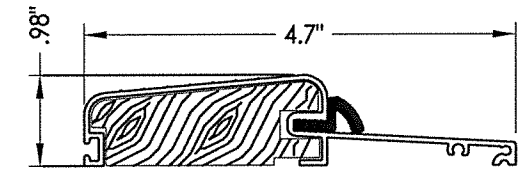
34 OUTSWING THRESHOLD
Columbia High Dam (581)



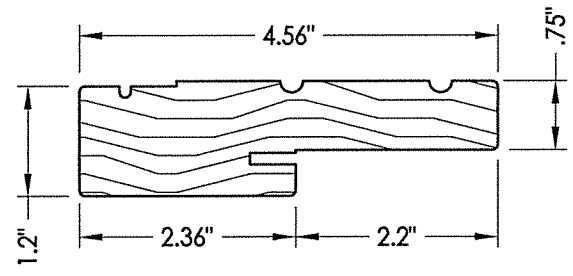
1 POLY FIBER JAMB
Plastpro



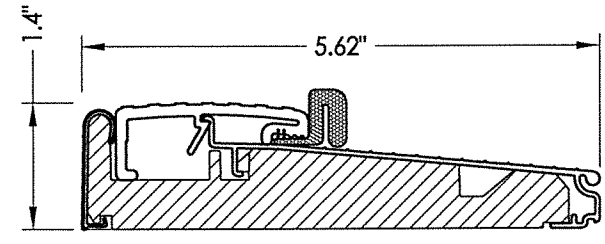
32 OUTSWING THRESHOLD
DLP (QOSH)



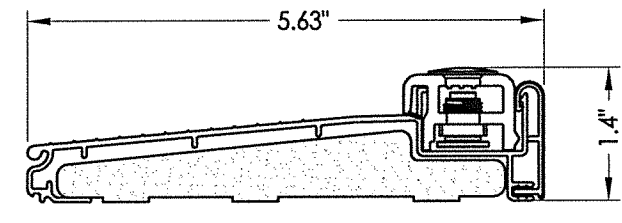
31 OUTSWING THRESHOLD
Columbia (575)



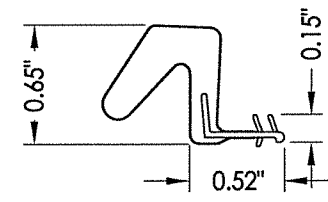
2 WOOD JAMB



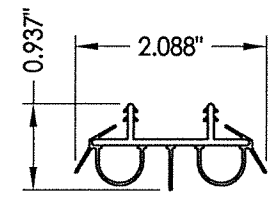
33 OUTSWING THRESHOLD
Endura (Z-Series)



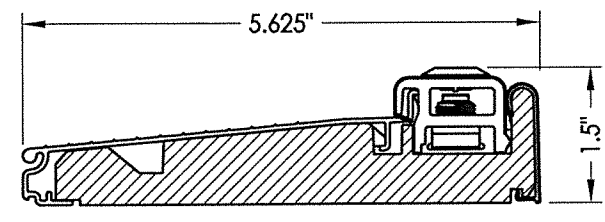
38 INSWING THRESHOLD
Columbia



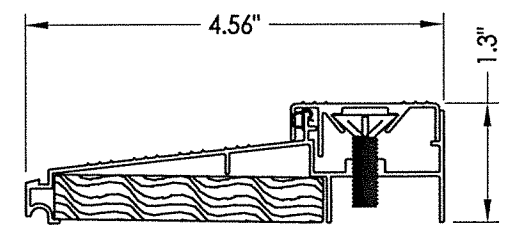
7 WEATHERSTRIP
Endura Force 5



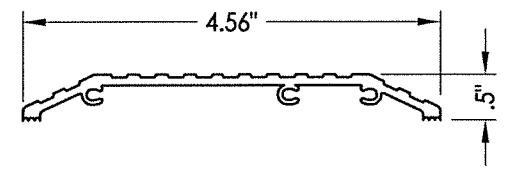
8 DOOR BOTTOM SWEEP



36 INSWING THRESHOLD
Endura (Z-Series)



37 INSWING THRESHOLD
DLP (ISCS)



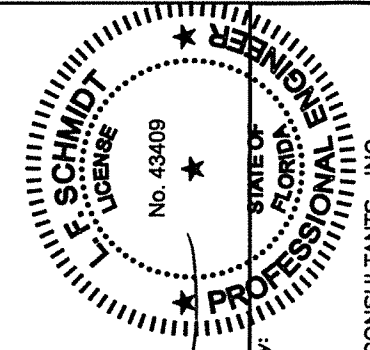
29 ADA THRESHOLD
DLP

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

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:		COMPONENTS	
NO.	DATE	BY	REVISIONS
2	7/24/17	JK	UPDATE TO 6TH ED. (2017)
1	3/9/15	JK	UPDATE TO 5TH ED. (2014)
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15210.1			
SHEET 11 OF 12			

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" PFH 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
I	1/4" X 1-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH ELCO CONCRETE SCREW	STEEL
1	POLY FIBER JAMB	COMP. / VINYL
2	FINGER JOINTED PINE FRAME	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
22	3 POINT "TONGUE" MULTIPOINT LOCKSET (Mfg. BY HOPPE)	STEEL
23	MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)	STEEL
25	LATCH AND DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
29	ADA THRESHOLD	ALUM
30	OUTSWING THRESHOLD	ALUM/WOOD
31	OUTSWING THRESHOLD	ALUM/WOOD
32	OUTSWING THRESHOLD	ALUM/WOOD
33	OUTSWING THRESHOLD	ALUM/COMP
34	OUTSWING THRESHOLD	ALUM/WOOD
36	INSWING THRESHOLD	ALUM/COMP
37	INSWING THRESHOLD	ALUM/WOOD
38	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
55	#10 X 1-1/2" PFH SCREW	STEEL
57	BACKING PLATE	STEEL
58	#8 X 2" PFH WS	STEEL
60	MULTIPOINT STRIKE PLATE	STEEL
62	ENDURA TRILENNIUM 3000 LOCK ASSEMBLY	STEEL



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DRAWING NO.:	FL-15210.1
SHEET	12 of 12