

GLAZED FIBERGLASS SINGLE DOOR
w/ or w/out SIDELITES
INSWING/ OUTSWING
"IMPACT"

GENERAL NOTES

1.

This product has been evaluated and is in compliance with the 8th Edition (2023) 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.

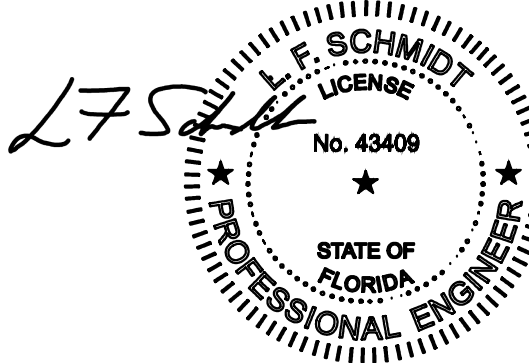
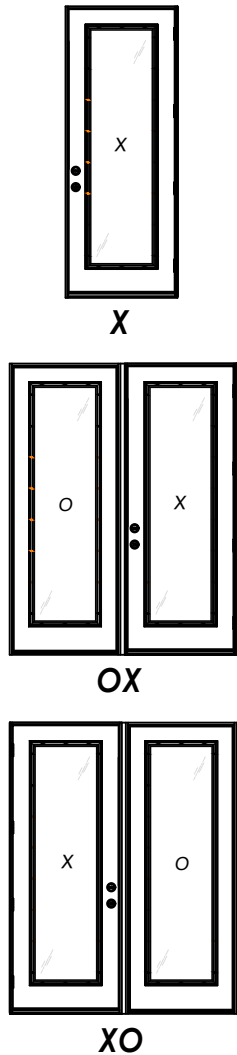
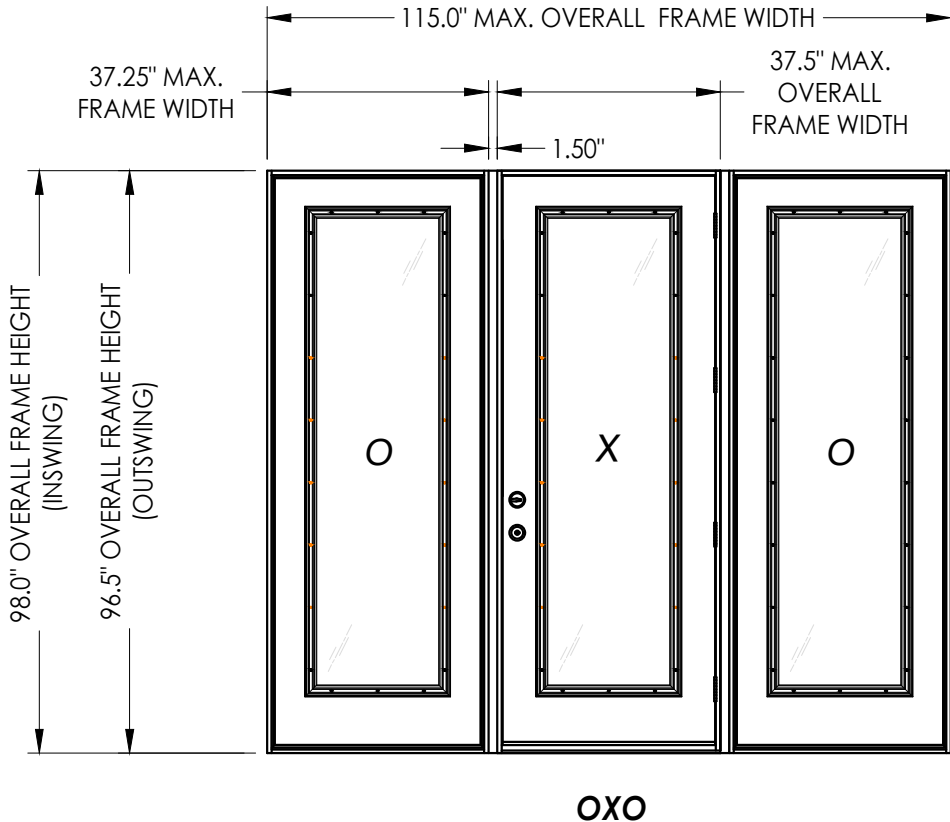
When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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 elevations, design pressures & general notes
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3	Sidelite panel details and glazing detail
4	Elevations
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6	Vertical cross sections
7	Vertical cross sections
8	Buck anchoring
9	Frame anchoring
10	Hardware details
11	Bill of materials and components

CONFIGURATION	MAX. FRAME DIMENSION	MAX. SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" X 98.0"	20.63" X 78.75"	+50.0	-50.0	+50.0	-50.0
OX/XO	76.25" X 98.0"	20.63" X 78.75"	+50.0	-50.0	+50.0	-50.0
OXO	115.0" X 98.0"	20.63" X 78.75"	+50.0	-50.0	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.23 11:12:43 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

PLASTPRO INC.
FIBERGLASS DOOR

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

LFS
DAC
LFS
JK
JK
BY

UPDATE TO 8TH ED. (2023) FBC
UPDATE TO 7th ED. (2020) FBC
CORRECT WORDING IN D.P. TABLE
UPDATE TO 6TH ED. (2017) FBC
UPDATE TO 5TH ED. (2014) FBC

NO. DATE

REVISIONS

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

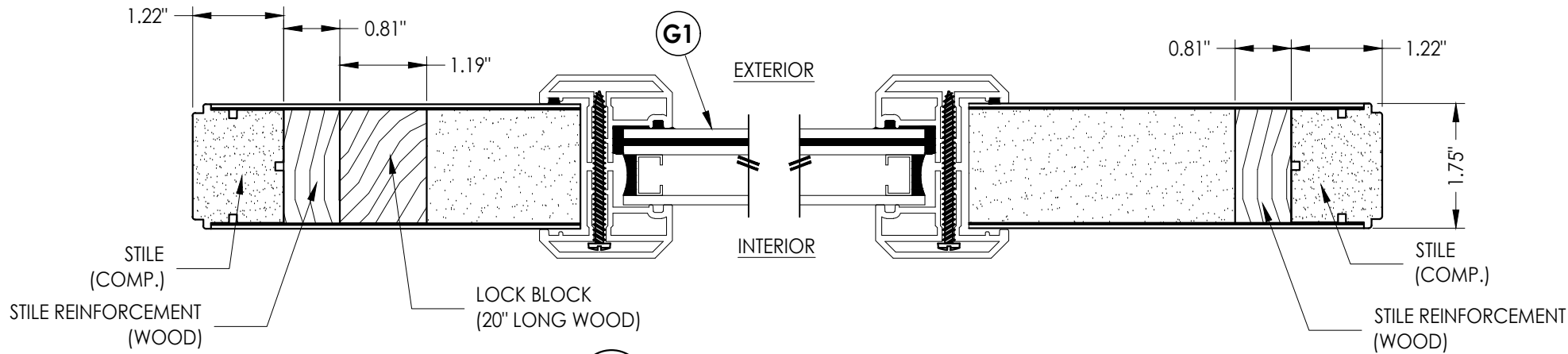
DRAWING NO.:
FL-17184.1

SHEET 1 OF 11

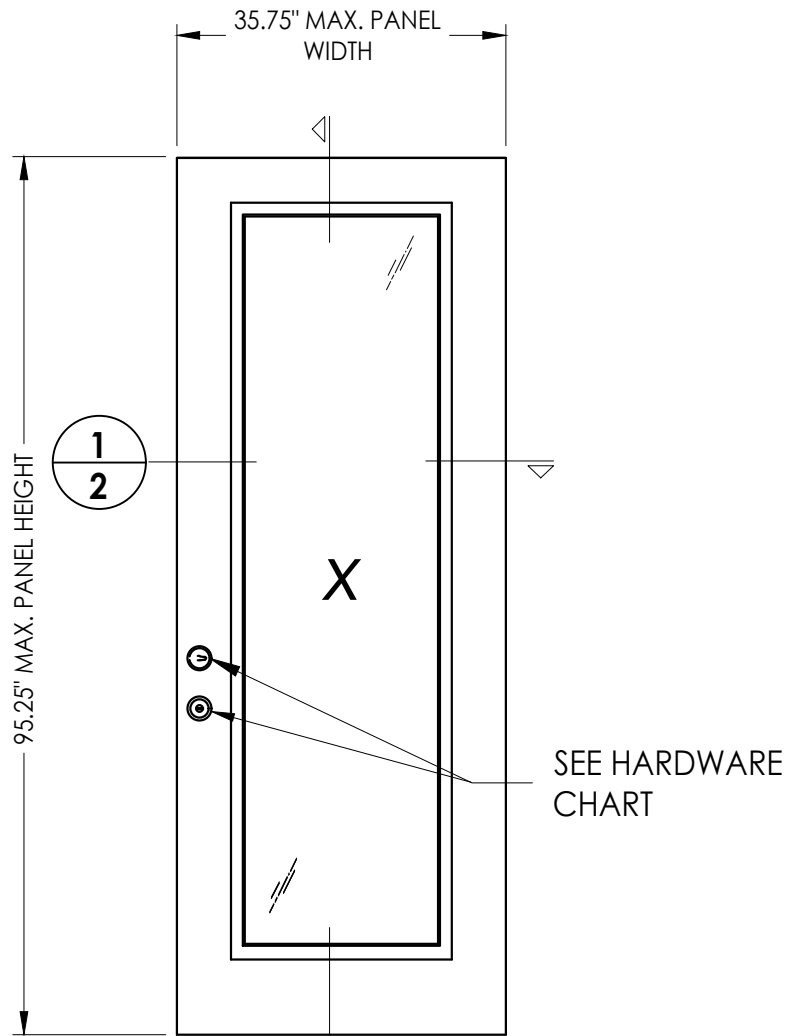
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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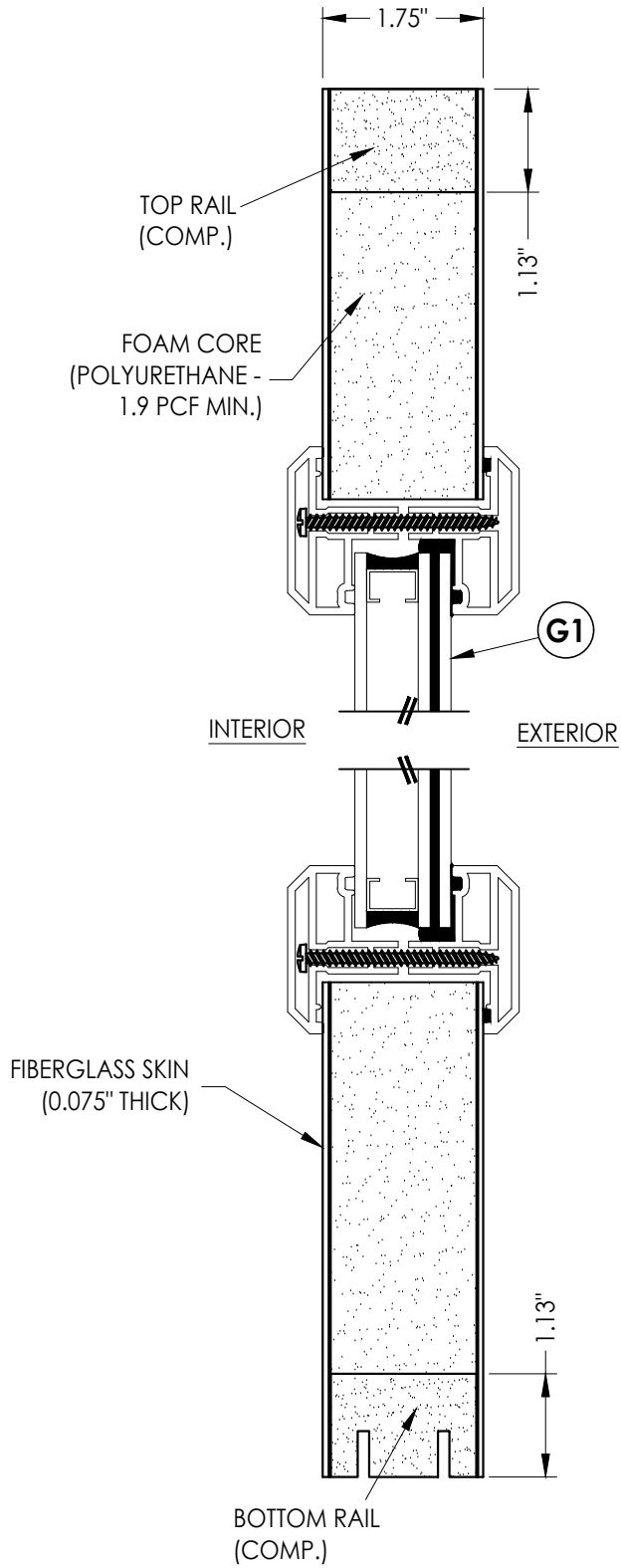


1
2 HORIZONTAL CROSS SECTION



2
2 40 DOOR PANEL

HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	LOCK:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)
YALE	LOCK:	YH COLLECTION
	DEADBOLT:	YH COLLECTION (80 SERIES)
SCHLAGE	KNOB:	"F" SERIES (F10)
	DEADBOLT:	"B" SERIES (B60/62)



2
2 VERTICAL CROSS SECTION

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS
AND GLAZING DETAIL

5	8/22/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/04/20	UPDATE TO 7th ED. (2020)	FBC	DAC
3	8/15/18	CORRECT WORDING IN D.P. TABLE	FBC	LFS
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.		DATE	REVISIONS	

DATE: 02/21/12

SCALE: N.T.S.

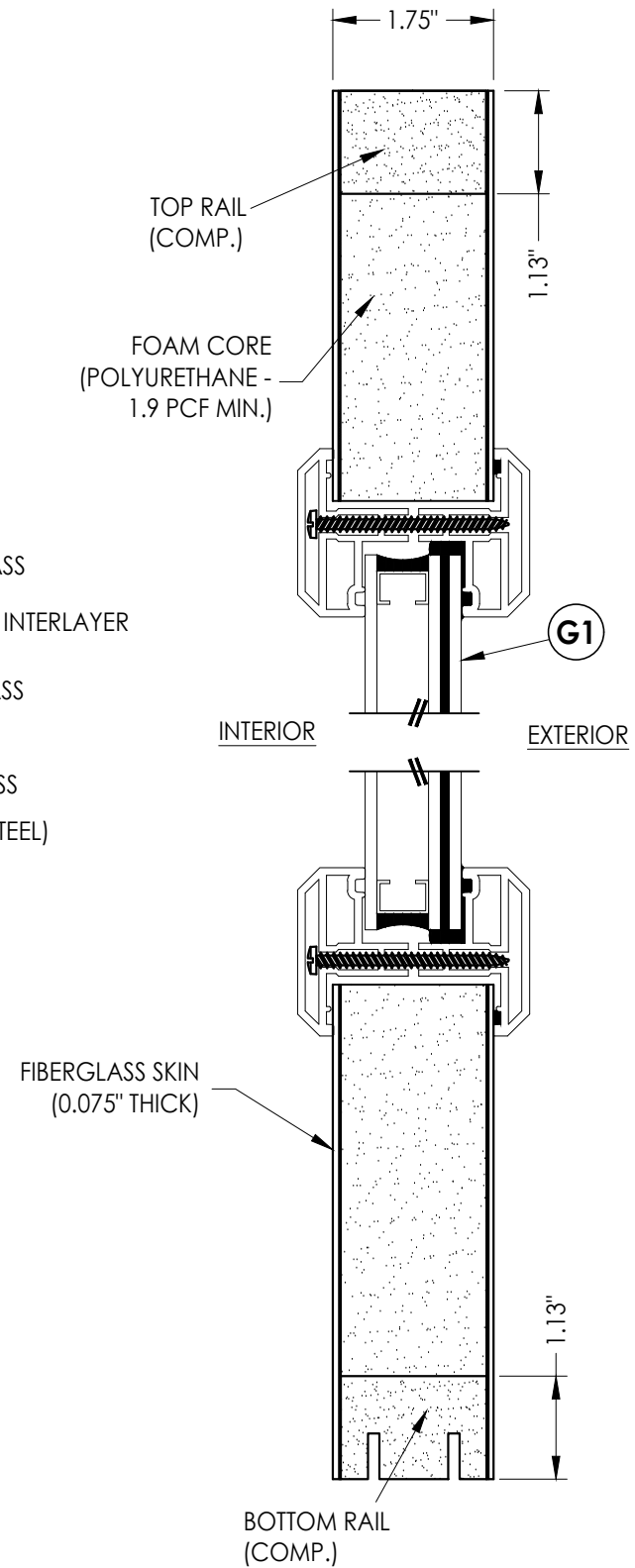
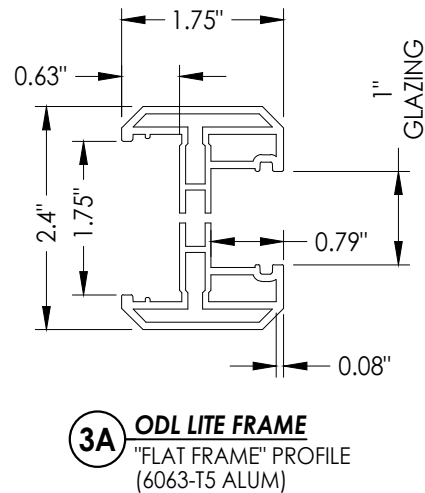
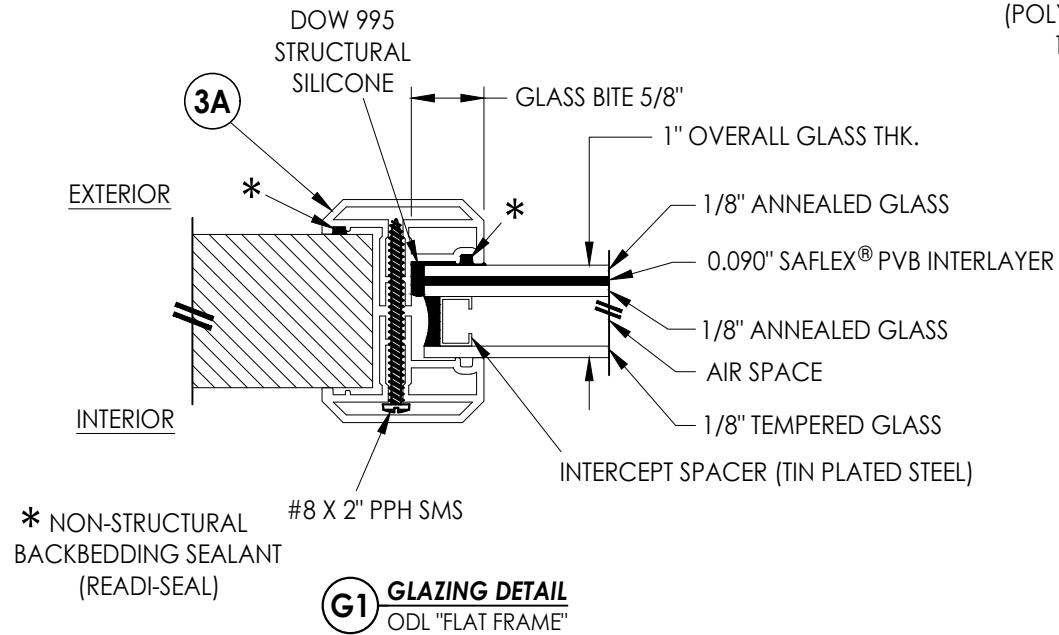
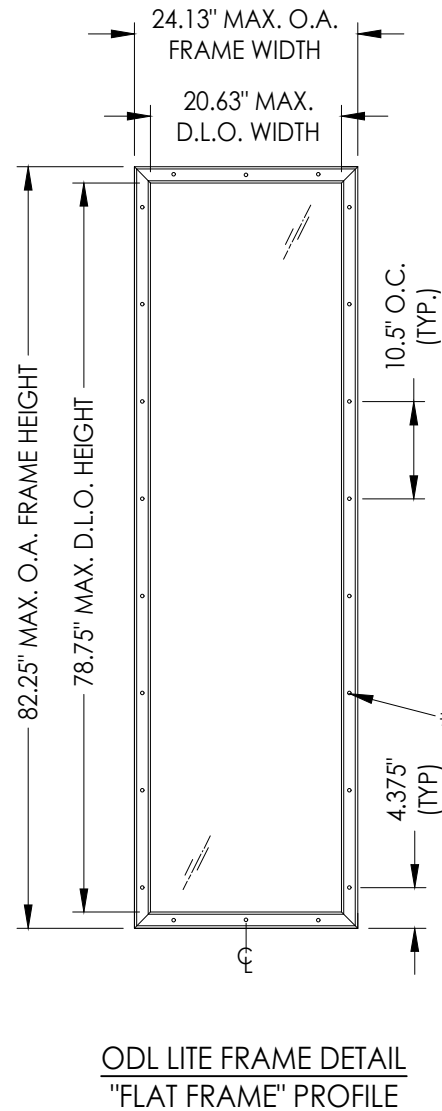
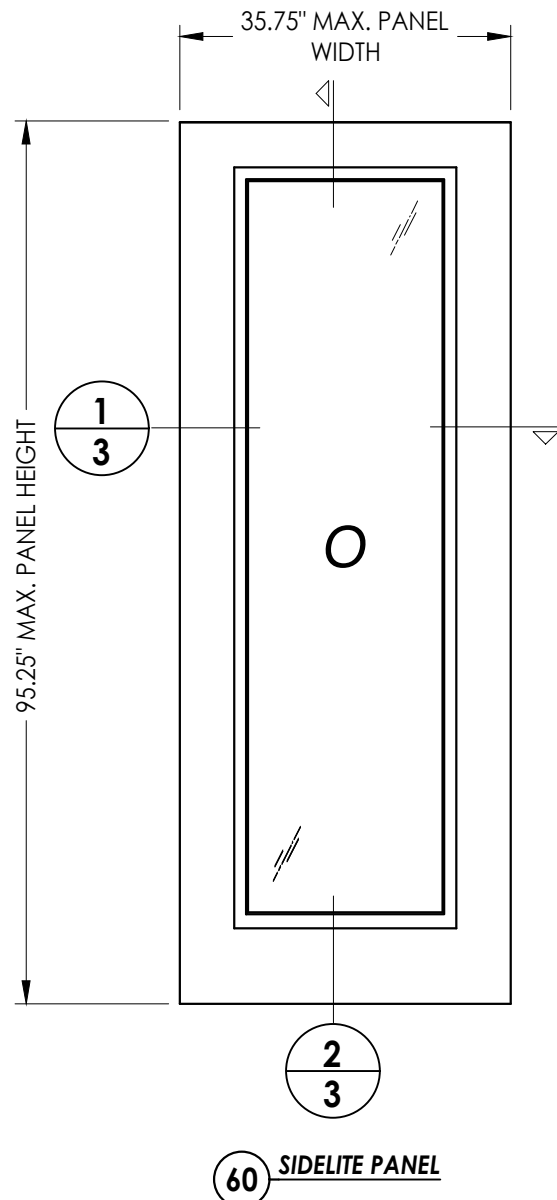
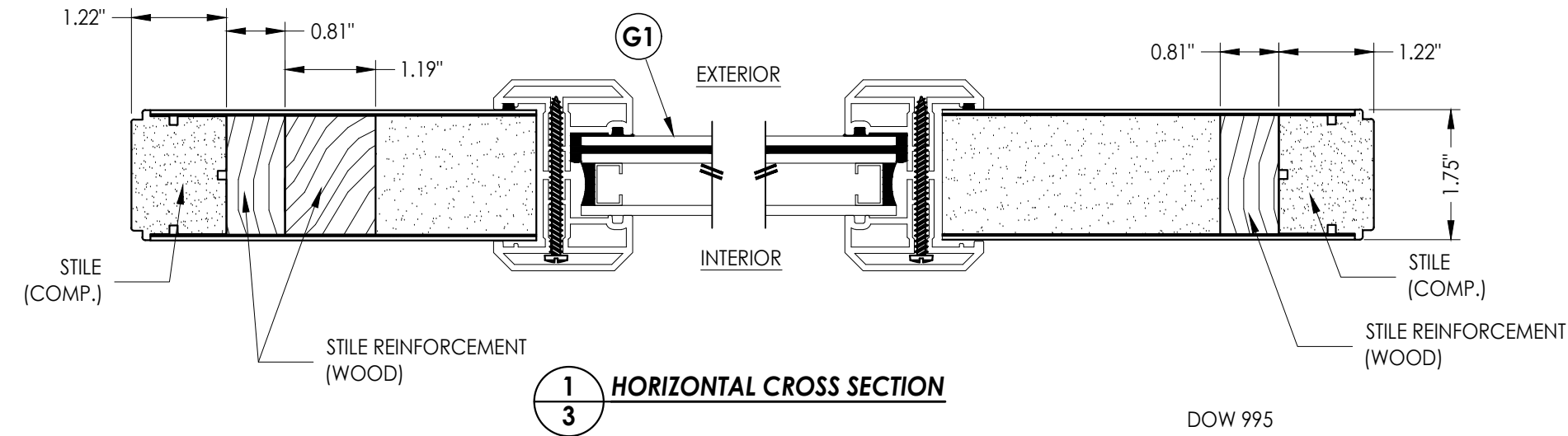
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CHK. BY: LFS

DRAWING NO.:
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SHEET 2 OF 11

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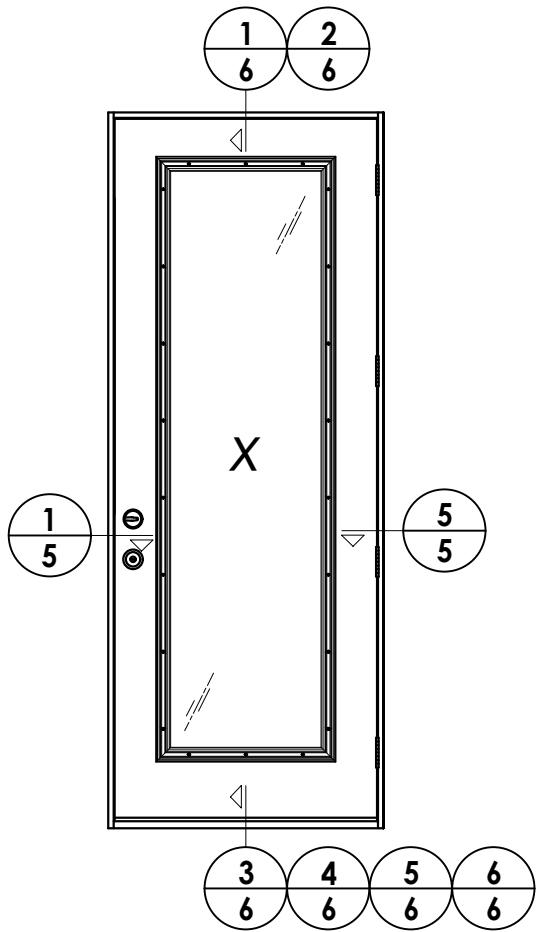
PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
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4	8/04/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
3	8/15/18	CORRECT WORDING IN D.P. TABLE	LFS		
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

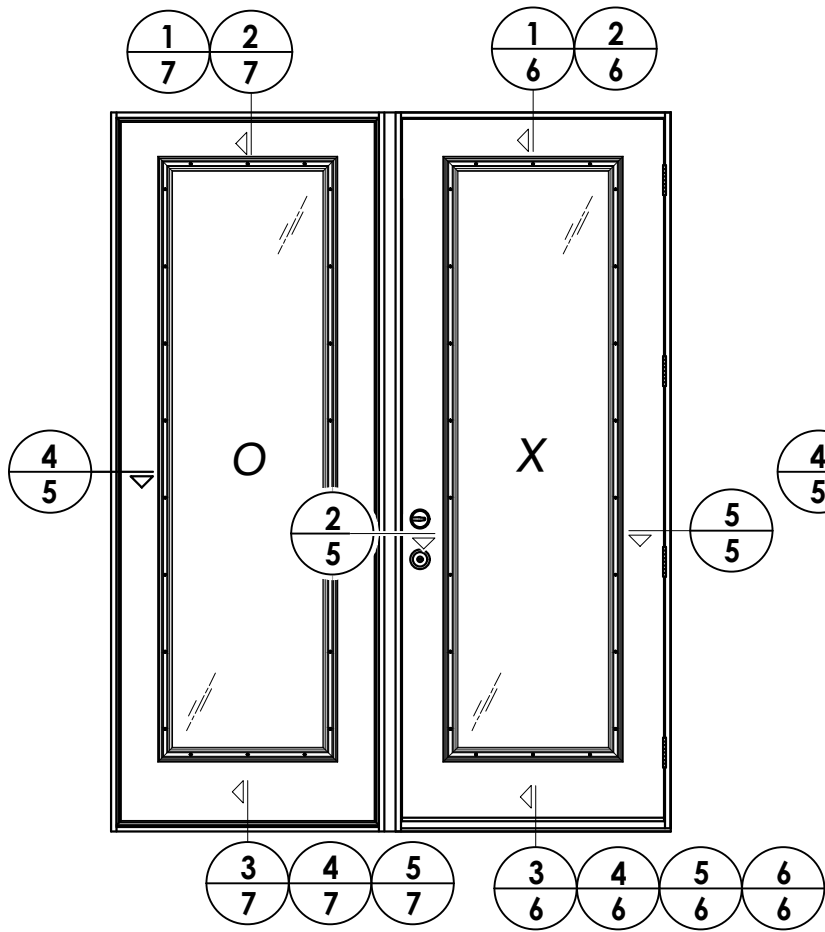
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17184.1
SHEET 3 OF 11

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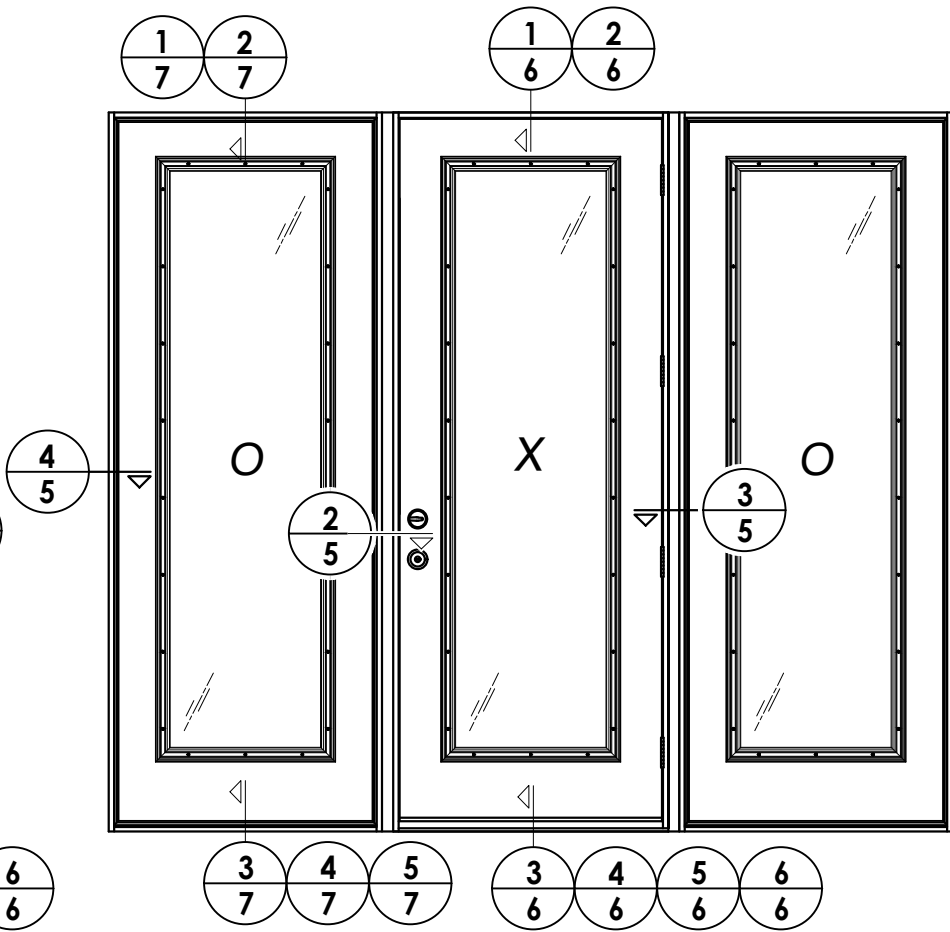
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ELEVATION (X)



ELEVATION (XO - OX)



ELEVATION (OXO)

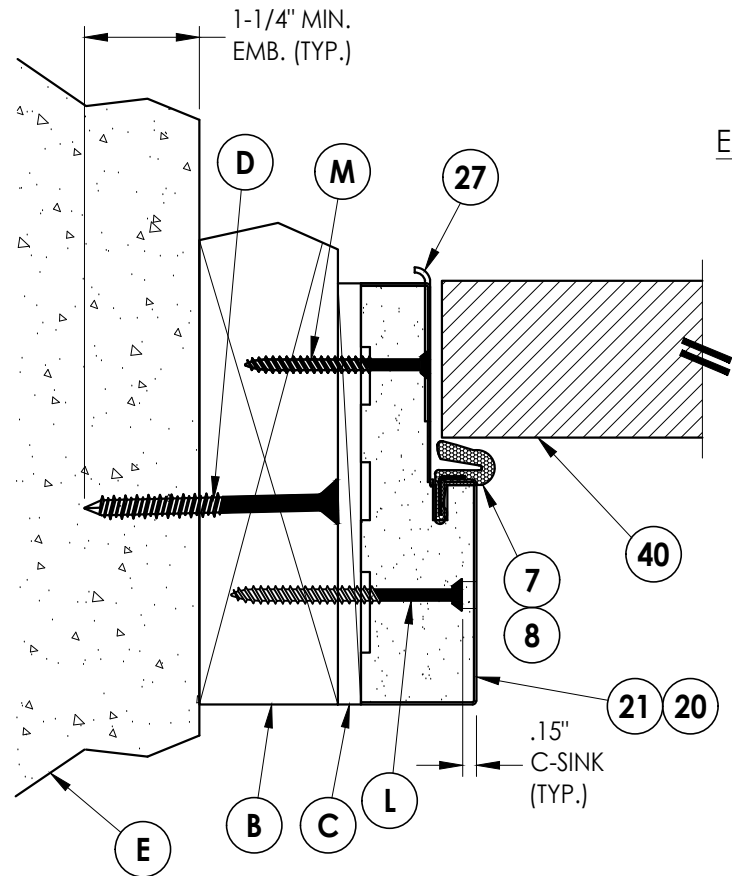
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		DATE	BY	JK	LFS
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4	8/04/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
3	8/15/18	CORRECT WORDING IN D.P. TABLE		LFS	
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
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DATE: 02/21/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17184.1
SHEET 4 OF 11

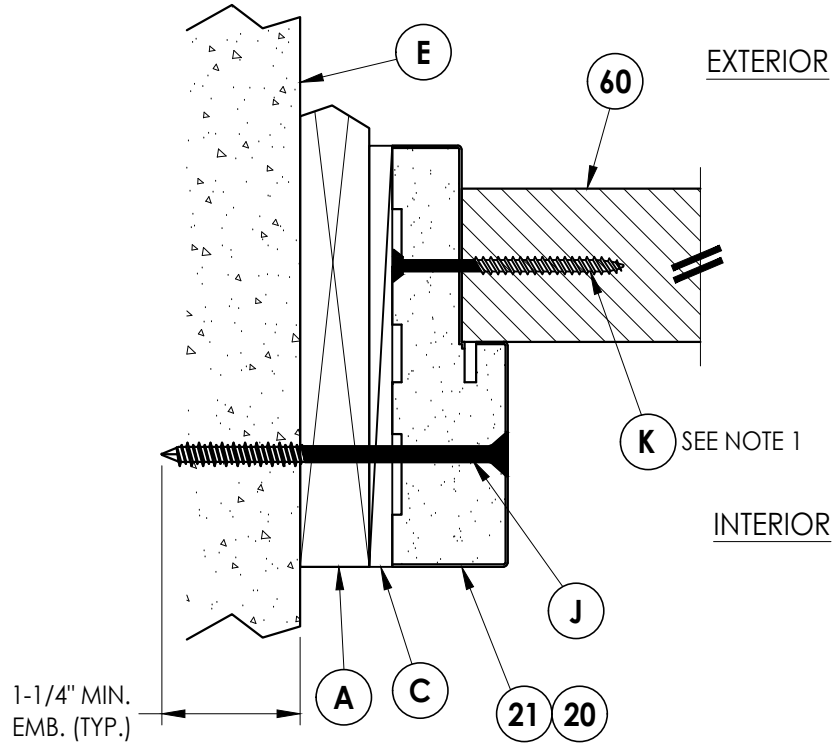
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY: ELEVATIONS

Documents Prepared By:
Lyndon F. Schmidt
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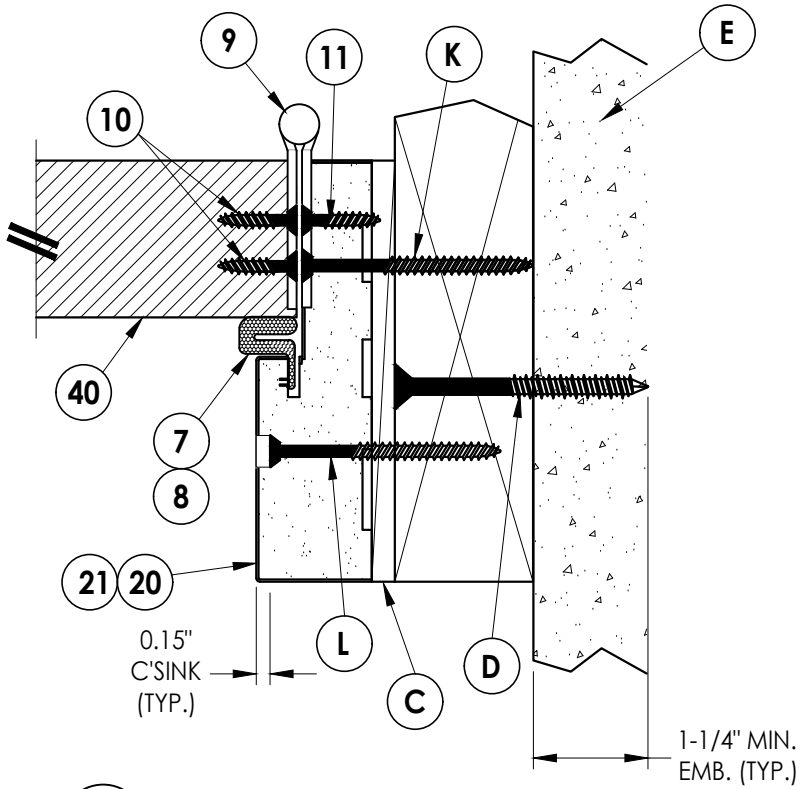
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1 HORIZONTAL CROSS SECTION
5 Outswing shown - inswing also approved



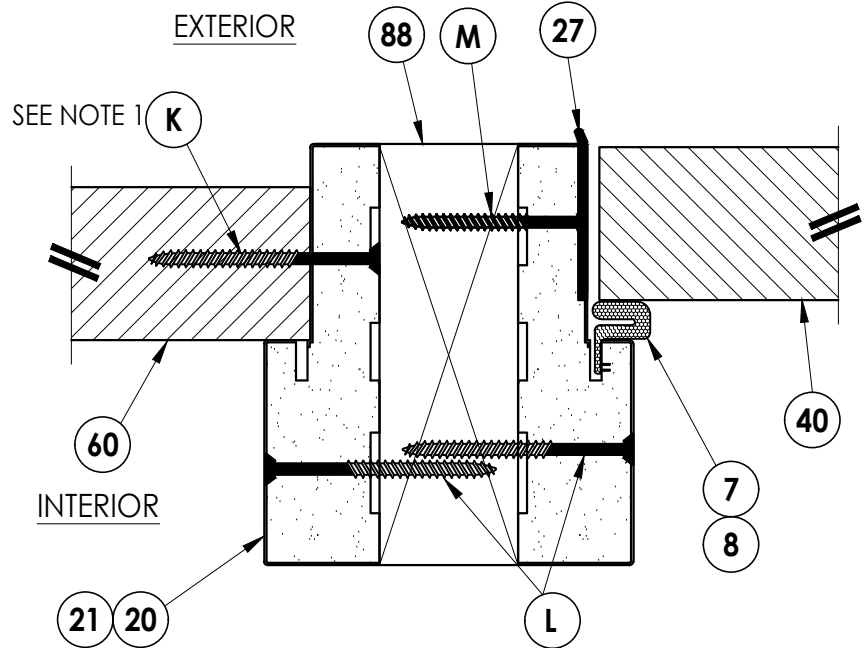
4 HORIZONTAL CROSS SECTION
5 Outswing shown - inswing also approved
Shown w/1X sub-buck



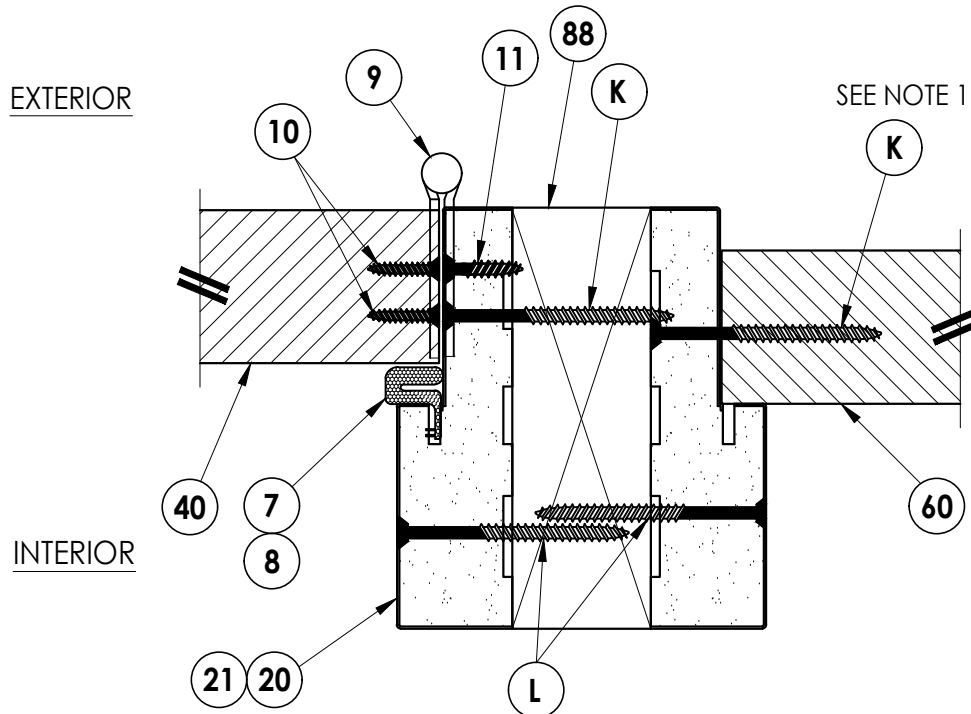
5 HORIZONTAL CROSS SECTION
5 Outswing shown - inswing also approved

NOTE:

1. Spacing for item K: 6" from ends and 8 more equally spaced along sidelite (10 total).



2 HORIZONTAL CROSS SECTION
5 Outswing shown - inswing also approved
Shown with 2X reinforcement



3 HORIZONTAL CROSS SECTION
5 Outswing shown - inswing also approved
Shown with 2X reinforcement

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Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

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

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		BY	JK	JK	LFS
5	8/22/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/04/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
3	8/15/18	CORRECT WORDING IN D.P. TABLE	LFS		
2	8/02/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

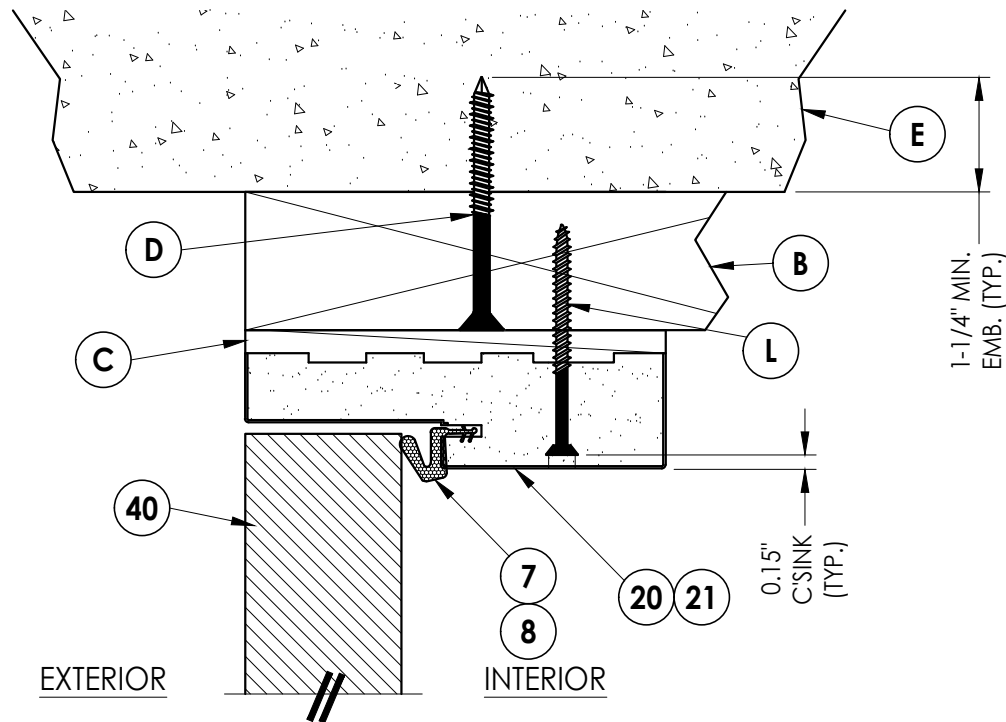
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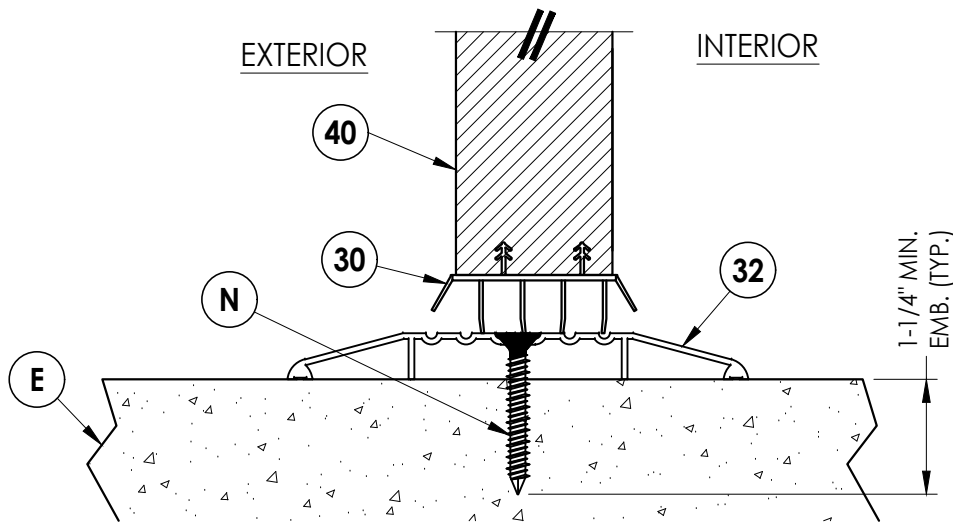
FL-17184.1

SHEET 5 OF 11

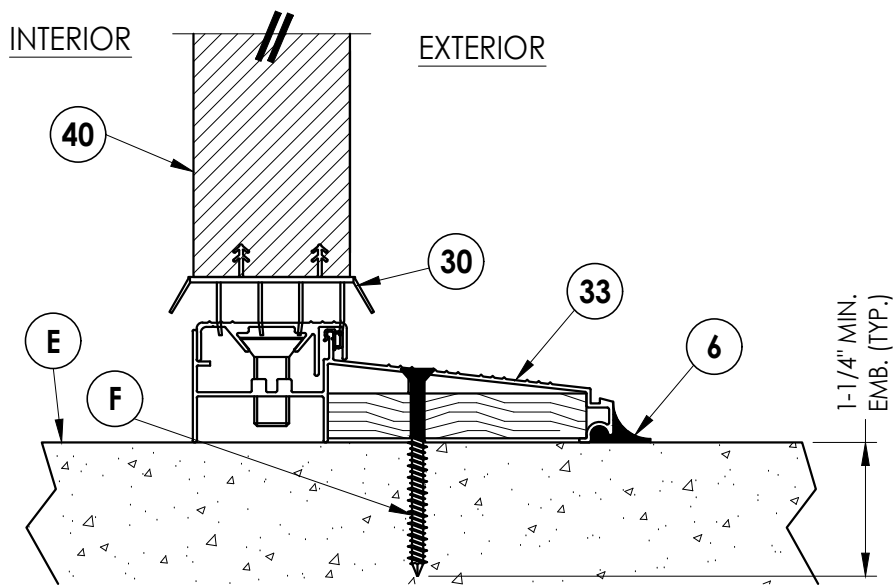
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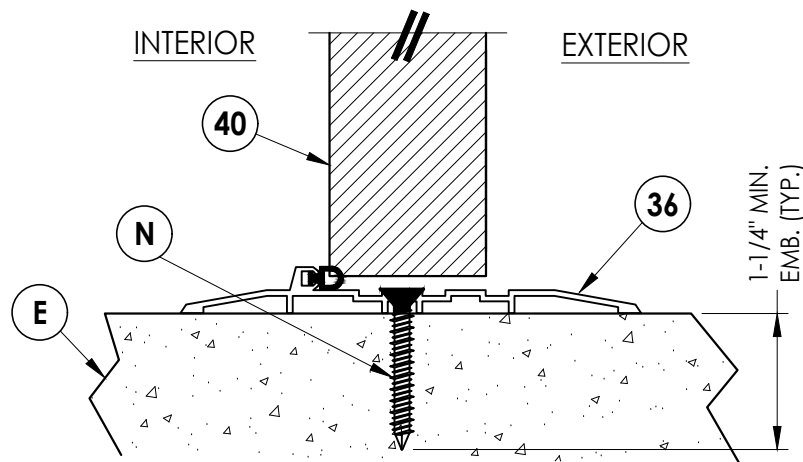
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6 **VERTICAL CROSS SECTION**
Outswing shown - inswing also approved



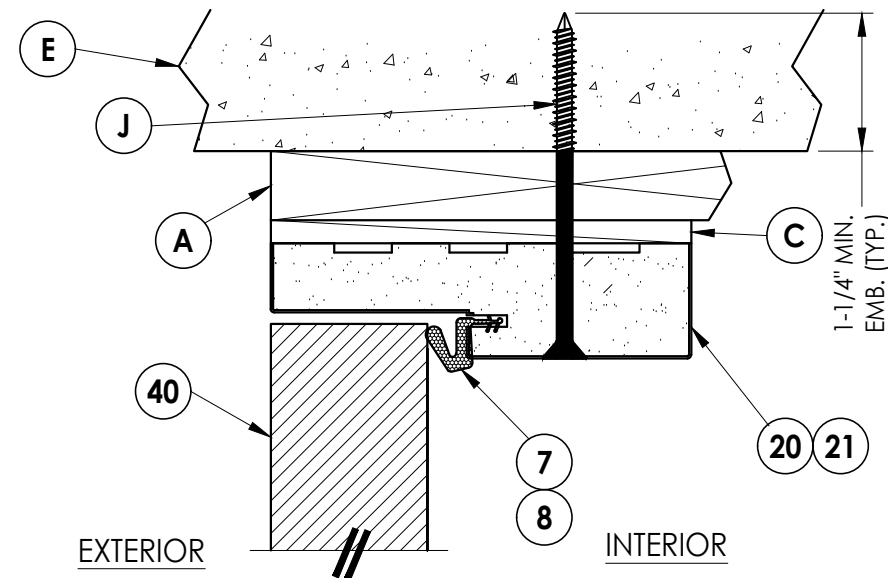
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6 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



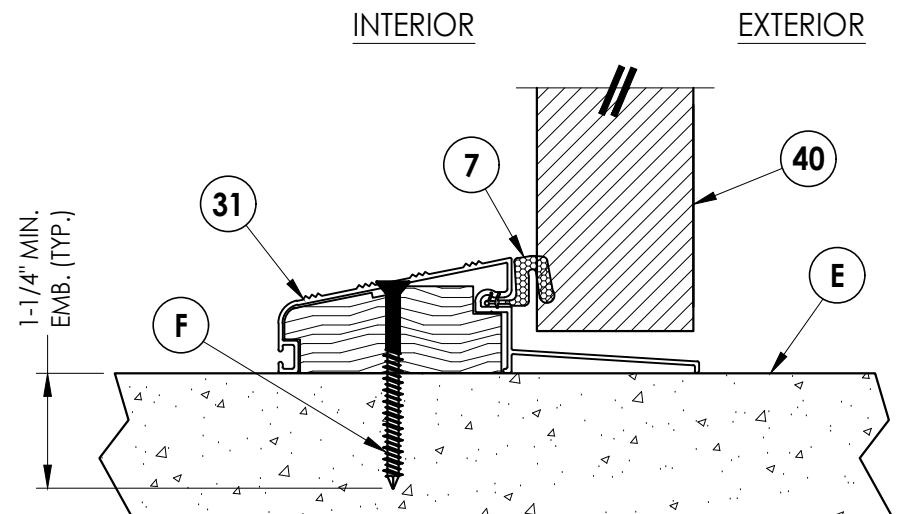
3
6 **VERTICAL CROSS SECTION**
Inswing configuration



6
6 **VERTICAL CROSS SECTION**
Shown w/ O.S. ADA bump threshold



2
6 **VERTICAL CROSS SECTION**
Outswing shown - inswing also approved
Shown w/ 1X sub-buck



4
6 **VERTICAL CROSS SECTION**
Outswing configuration

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

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

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
5	8/22/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/04/20	UPDATE TO 7th ED. (2020) FBC DAC
3	8/15/18	CORRECT WORDING IN D.P. TABLE LFS
2	8/02/17	UPDATE TO 6TH ED. (2017) FBC JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

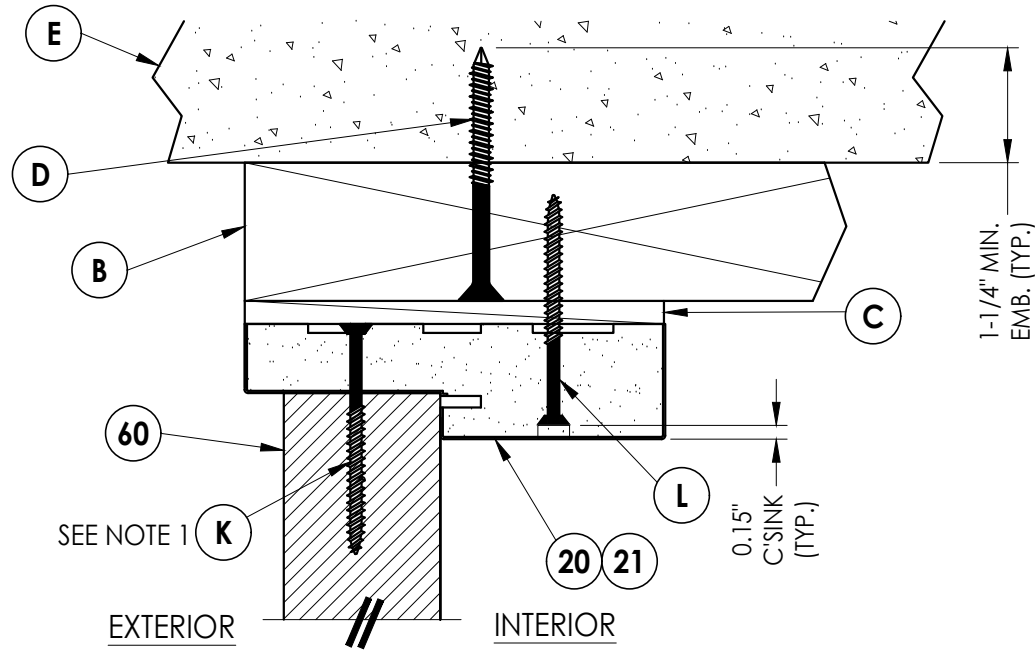
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DRAWING NO.:

FL-17184.1

SHEET 6 OF 11

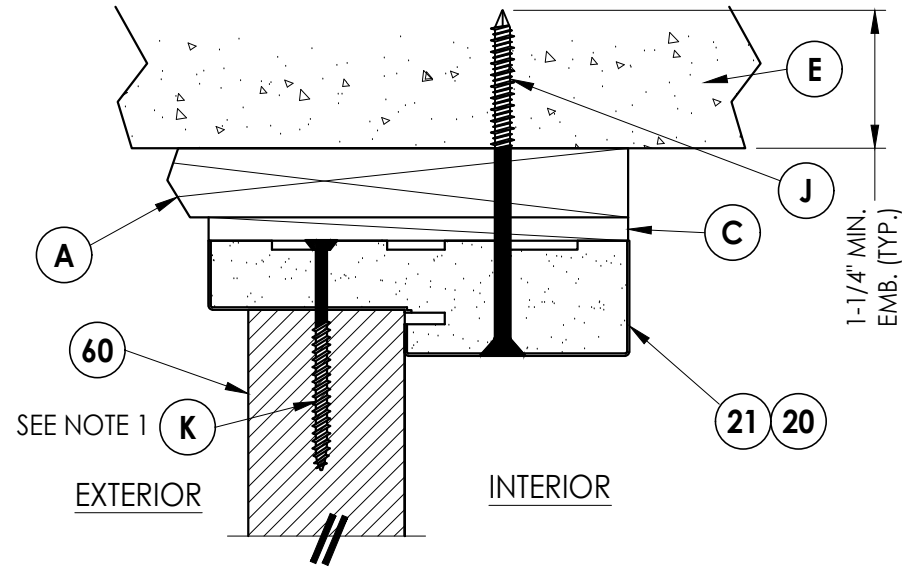
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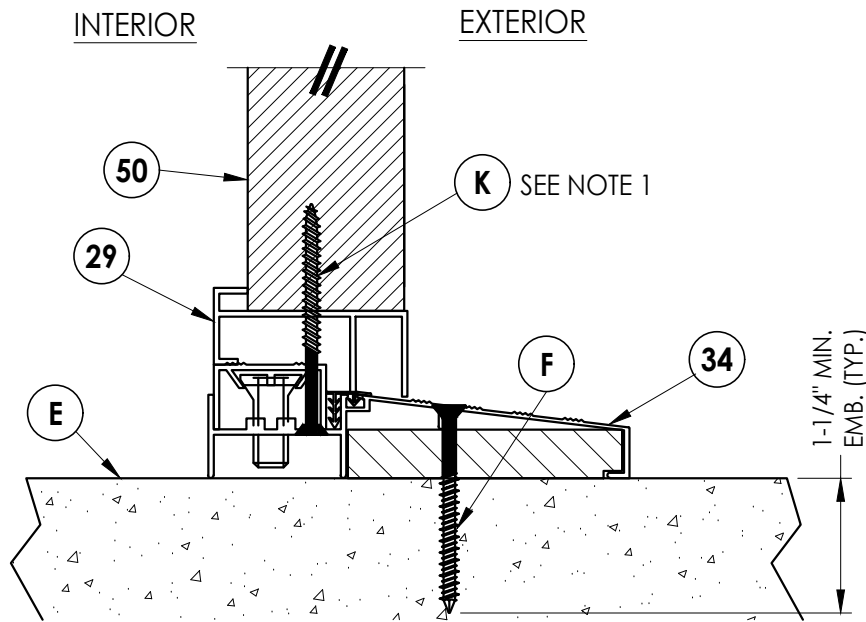
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7 **VERTICAL CROSS SECTION**
Outswing shown - inswing also approved

NOTE

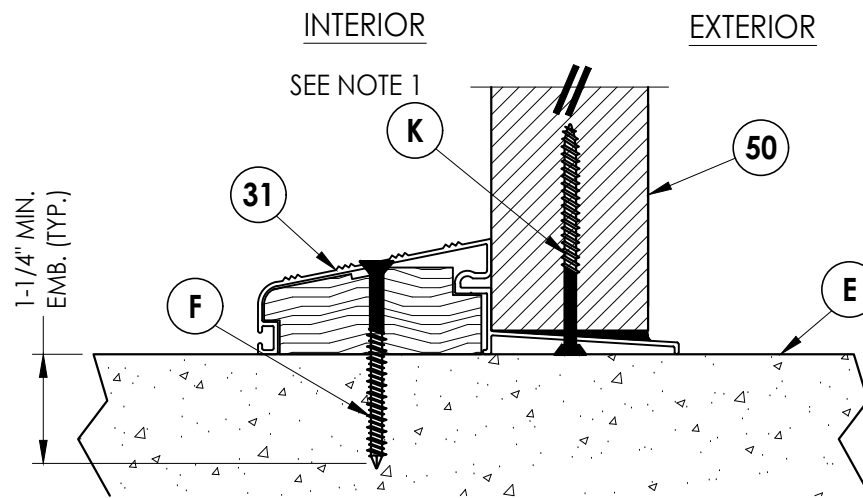
1. Spacing for item K: 6" from each end and at centerline (3 total).



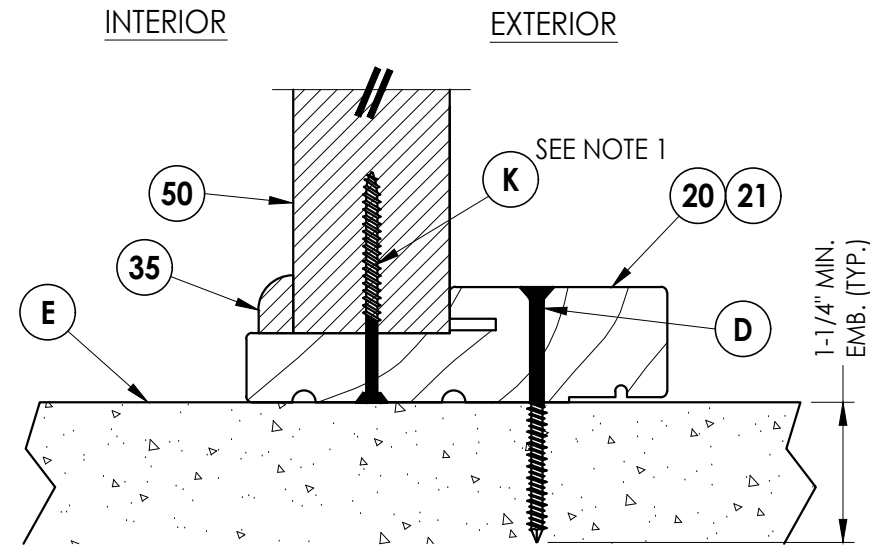
2
7 **VERTICAL CROSS SECTION**
Outswing shown - inswing also approved
Shown w/1X sub-buck



3
7 **VERTICAL CROSS SECTION**
Inswing configuration



4
7 **VERTICAL CROSS SECTION**
Outswing configuration



5
7 **VERTICAL CROSS SECTION**
Outswing configuration

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
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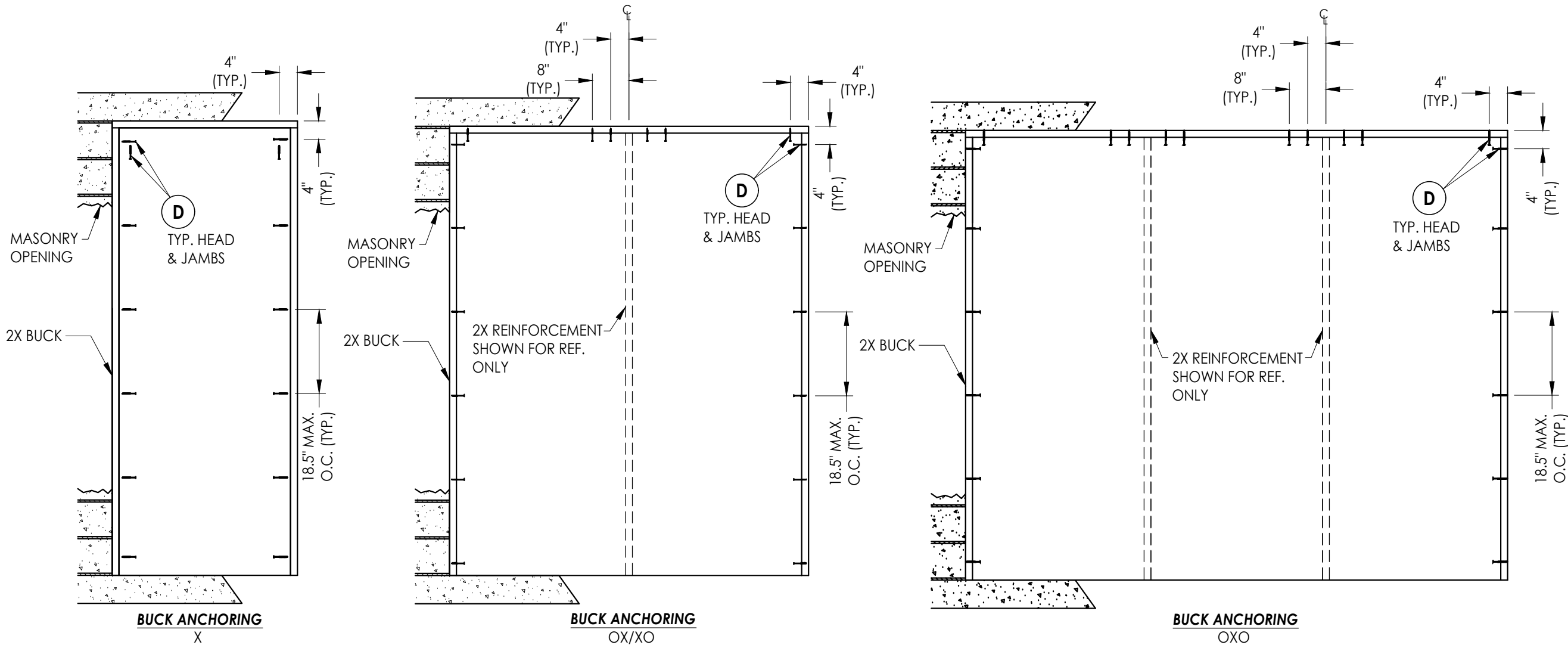
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	8/22/23	UPDATE TO 8TH ED. (2023) FBC
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC
3	8/15/18	CORRECT WORDING IN D.P. TABLE
2	8/02/17	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 02/21/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-17184.1
SHEET 7 OF 11

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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"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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:
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P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

	NO.	DATE	REVISIONS			
			BY	JK	LFS	DAC
5	8/22/23	UPDATE TO 8TH ED. (2023)	FBC			
4	8/04/20	UPDATE TO 7th ED. (2020)	FBC			
3	8/15/18	CORRECT WORDING IN D.P. TABLE				
2	8/02/17	UPDATE TO 6TH ED. (2017)	FBC			
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC			

DATE: 02/21/12

SCALE: N.T.S.

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CHK. BY: LFS

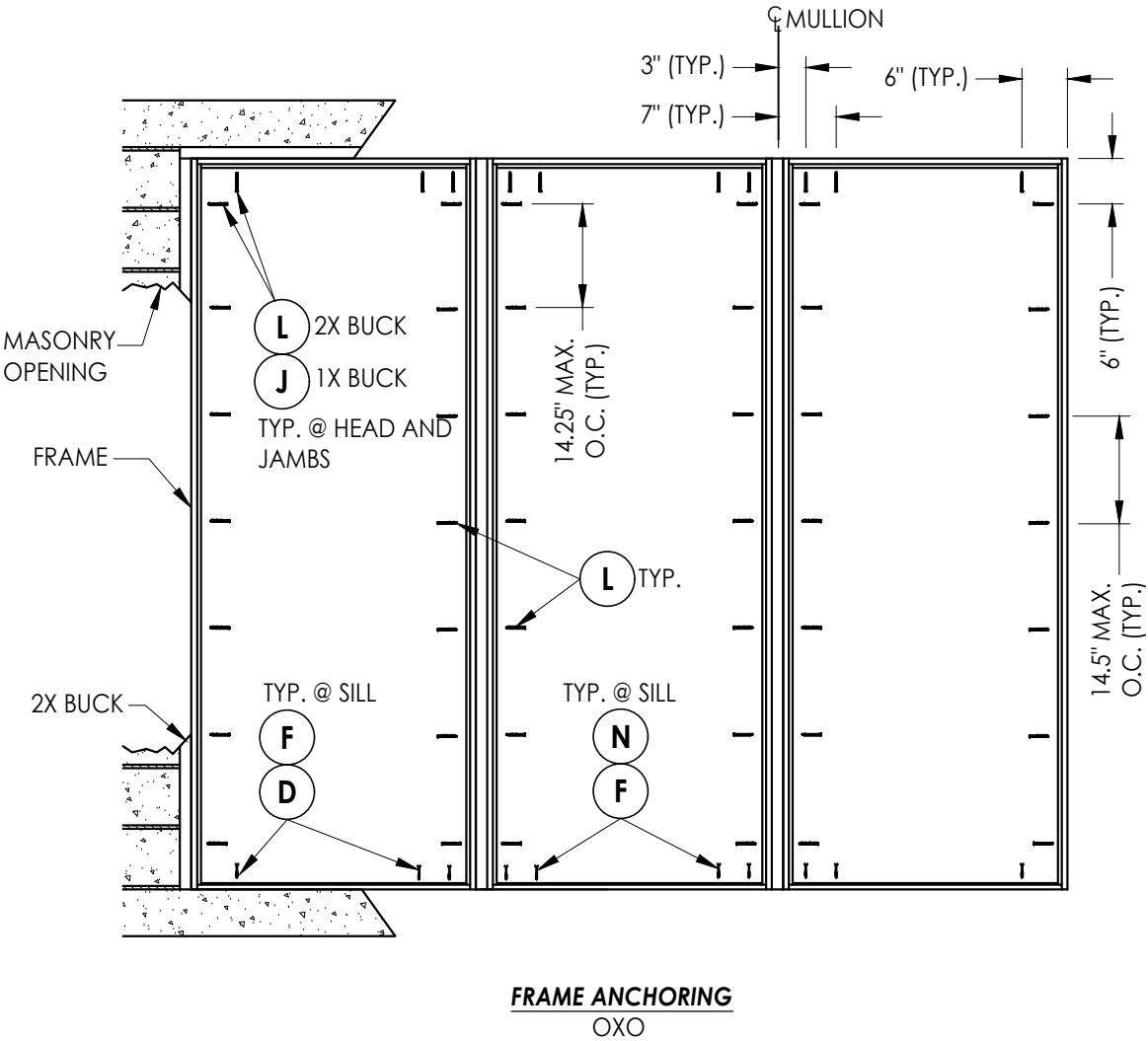
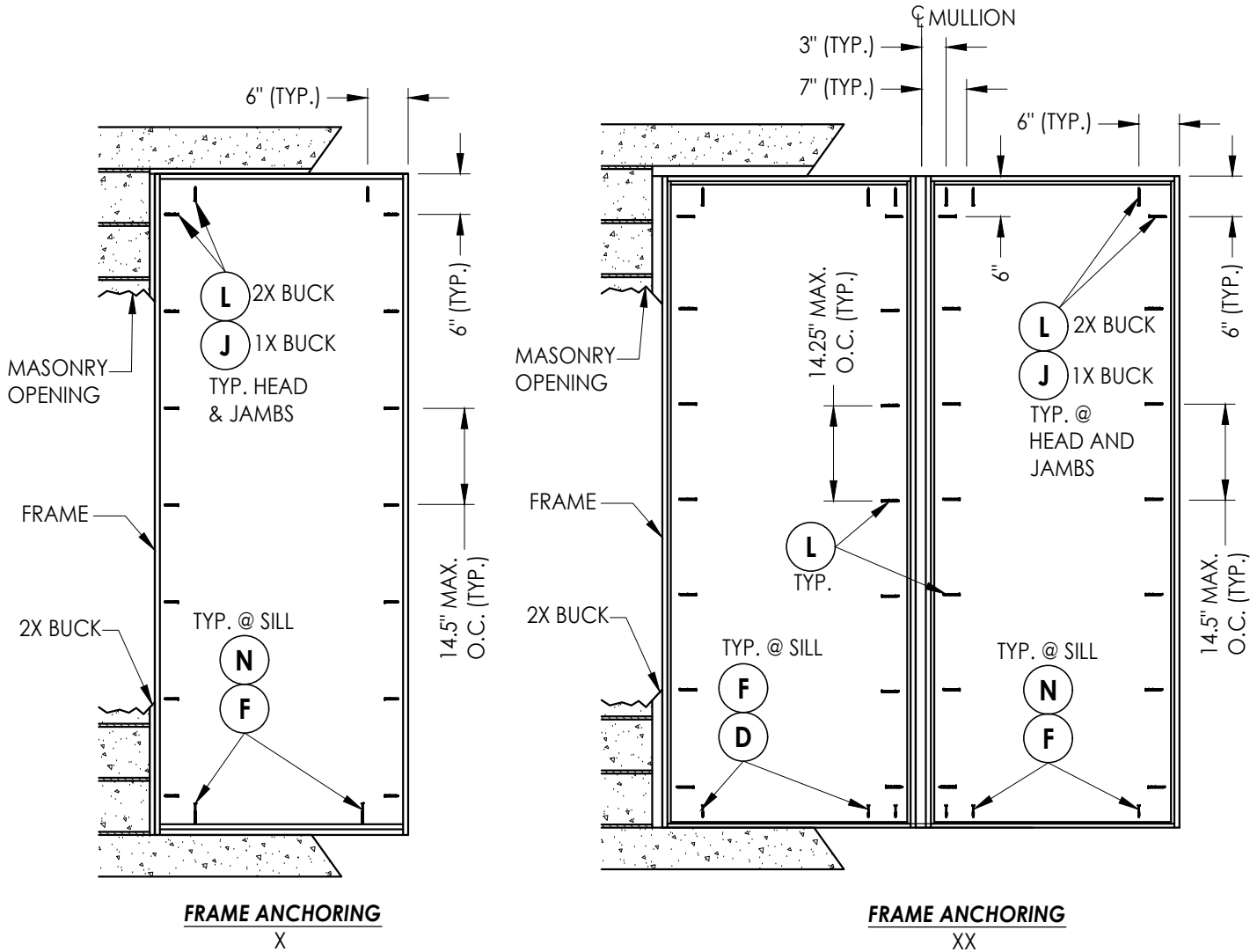
DRAWING NO.:

FL-17184.1

SHEET 8 OF 11

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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CONCRETE ANCHOR NOTES:

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DeWALT 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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PLASTPRO INC.
FIBERGLASS DOOR

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

PART OR ASSEMBLY:
FRAME ANCHORING

		8/22/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
5		8/04/20	UPDATE TO 7th ED. (2020)	FBC	DAC
4		8/15/18	CORRECT WORDING IN D.P. TABLE	LFS	
3		8/02/17	UPDATE TO 6TH ED. (2017)	FBC	JK
2		04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1		DATE			BY
REVISIONS					

DATE: 02/21/12

SCALE: N.T.S.

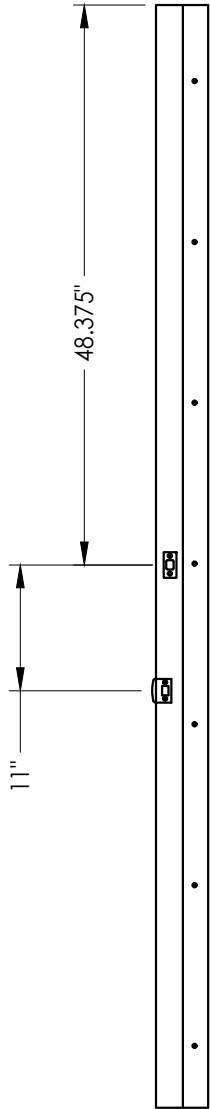
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CHK. BY: LFS

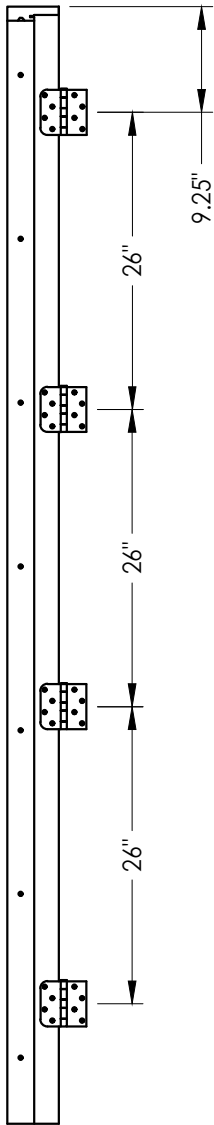
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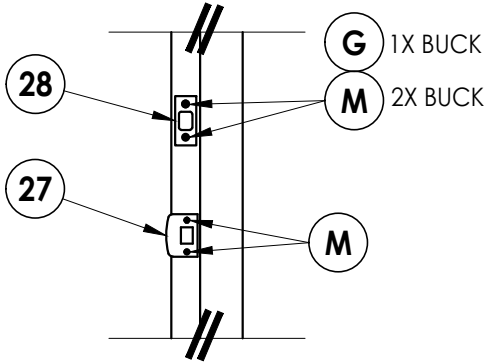
SHEET 9 OF 11



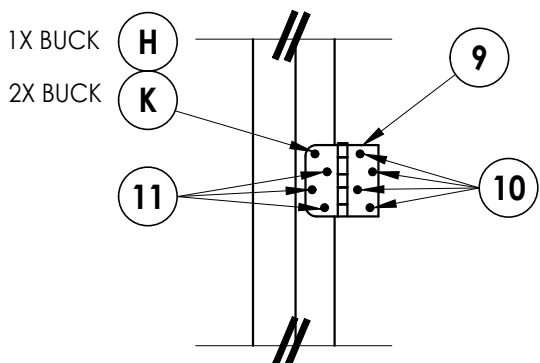
STRIKE JAMB



HINGE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL

[illegible]

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FIBERGLASS DOOR

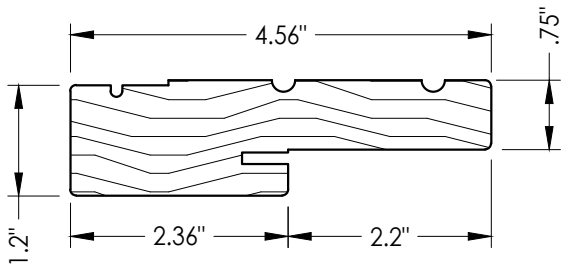
PART OR ASSEMBLY: HARDWARE DETAILS

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

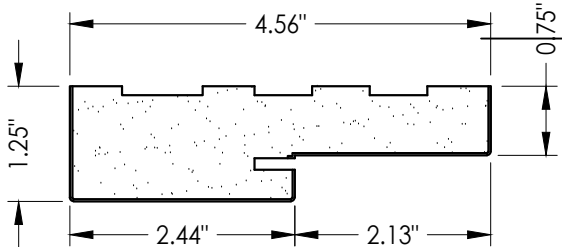
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.1.dwg

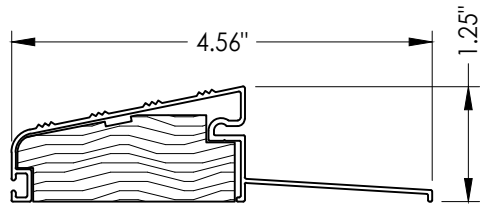
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" x 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#9 X 2-1/2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#8 X 2" PFH WOOD SCREW	STEEL
N	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
7	FORCE 5 WEATHERSTRIP (ENDURA)	FOAM
8	COMPRESSION WEATHERSTRIP QLON 650 (SCHLEGEL)	FOAM
9	4" X 4" BUTT HINGE	STEEL
10	#9 X 1" PFH WOOD SCREW	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
21	POLY FIBER JAMB	COMP. / VINYL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	SIDELITE SPACER (ISSLB)	PVC
30	DOOR SWEEP	PVC
31	OUTSWING THRESHOLD BY DLP (QOSH)	ALUM. / WOOD
32	ADA THRESHOLD BY DLP (ISHC)	ALUM.
33	INSWING THRESHOLD BY DLP (ISCS)	ALUM. / WOOD
34	SIDELITE THRESHOLD BY DLP (ISH/ EIS)	ALUM. / WOOD
35	TRIM	WOOD
36	OUTSWING ADA BUMP THRESHOLD	ALUM.
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
60	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
88	2X REINFORCEMENT (CLEAR PINE: SG >= 0.49)	WOOD



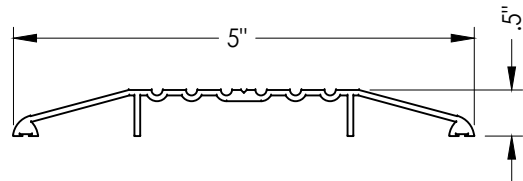
20 HEAD & SIDE
Jamb



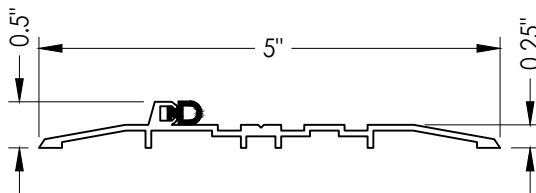
21 HEAD & SIDE
Poly fiber jamb



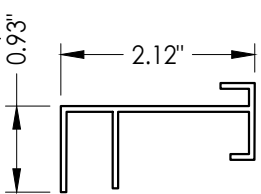
31 OUTSWING THRESHOLD
QOSH



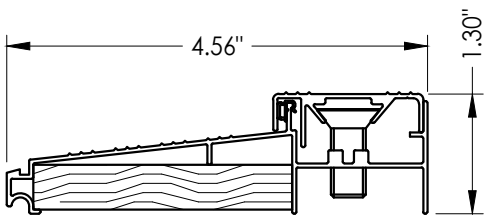
32 ADA SILL
ISHC



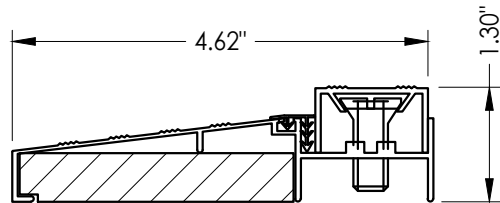
36 OUTSWING ADA BUMP THRESHOLD
OSHC



29 SIDELITE SPACER
ISSLB



33 INSWING THRESHOLD
ISCS



34 SIDELITE THRESHOLD
ISH/ EIS

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RW BUILDING CONSULTANTS, INC.
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PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS			
		LFS	FBC	JK	BY
5	8/22/23	UPDATE TO 8TH ED. (2023)	FBC		
4	8/04/20	UPDATE TO 7th ED. (2020)	FBC		
3	8/15/18	CORRECT WORDING IN D.P. TABLE	LFS		
2	8/02/17	UPDATE TO 6TH ED. (2017)	FBC		
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC		

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-17184.1

SHEET 11 OF 11