



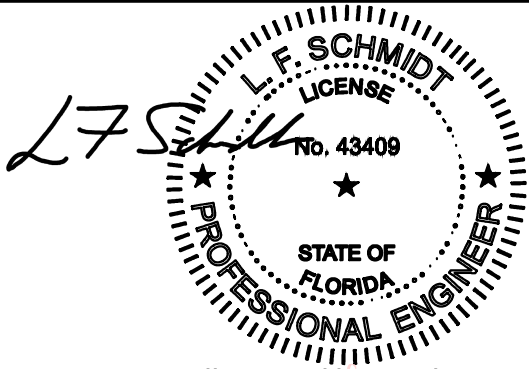
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

GLAZED FIBERGLASS DOUBLE 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.

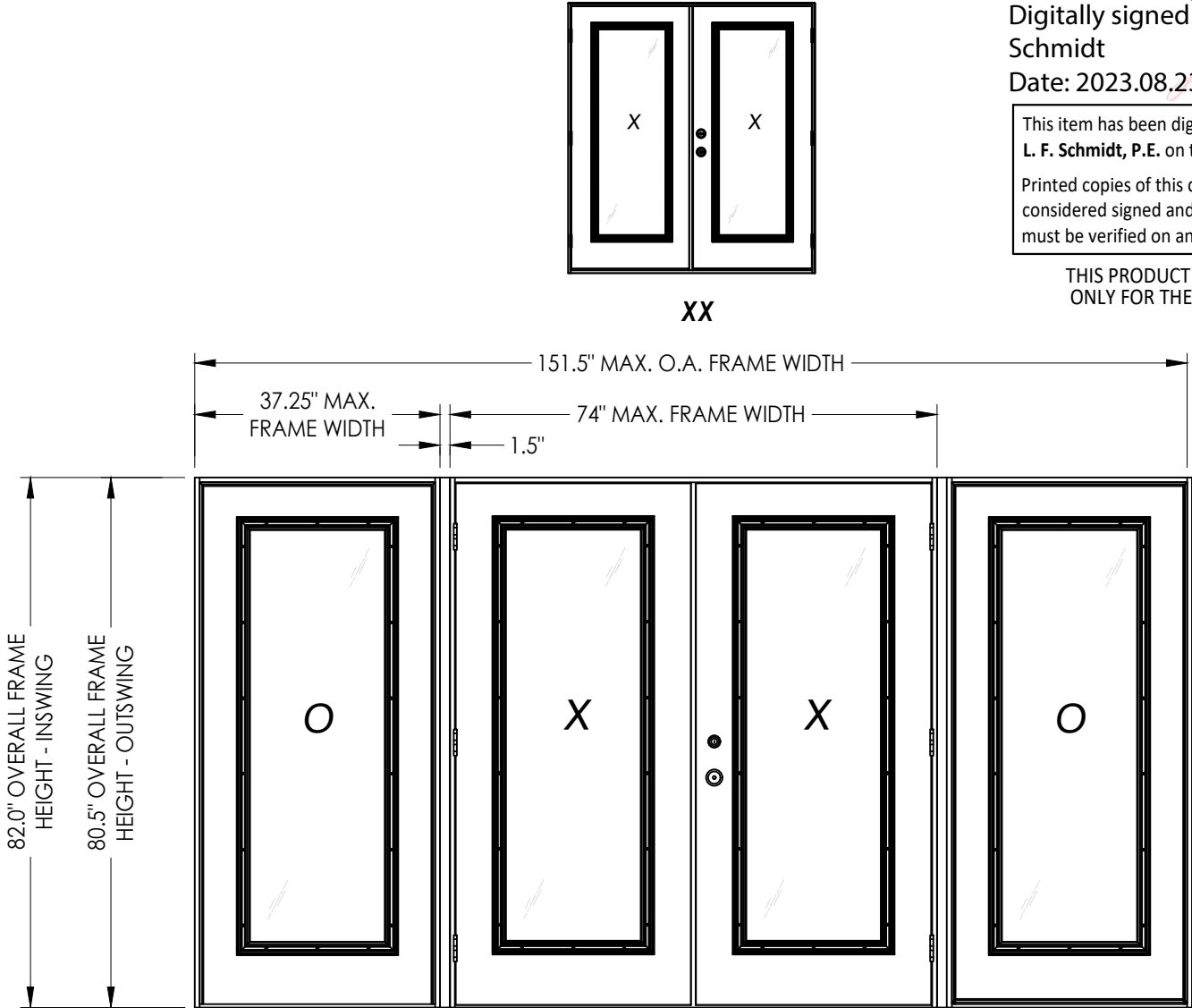
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details and glazing detail
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Vertical cross sections
8	Buck anchoring
9	Frame anchoring
10	Astragal details
11	Astragal details
12	Bill of materials and components



Digitally signed by Lyndon F Schmidt
Date: 2023.08.23 11:11:09 -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



CONFIGURATION	MAX. FRAME DIMENSION	MAX. SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74" X 82.0"	N/A	+50.0	-50.0	+50.0	-50.0
OXXO	151.5" X 82.0"	20.63" X 62.63"	+50.0	-50.0	+50.0	-50.0

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

PLASTPRO INC.
FIBERGLASS DOOR

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

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17184.10

SHEET 1 OF 12

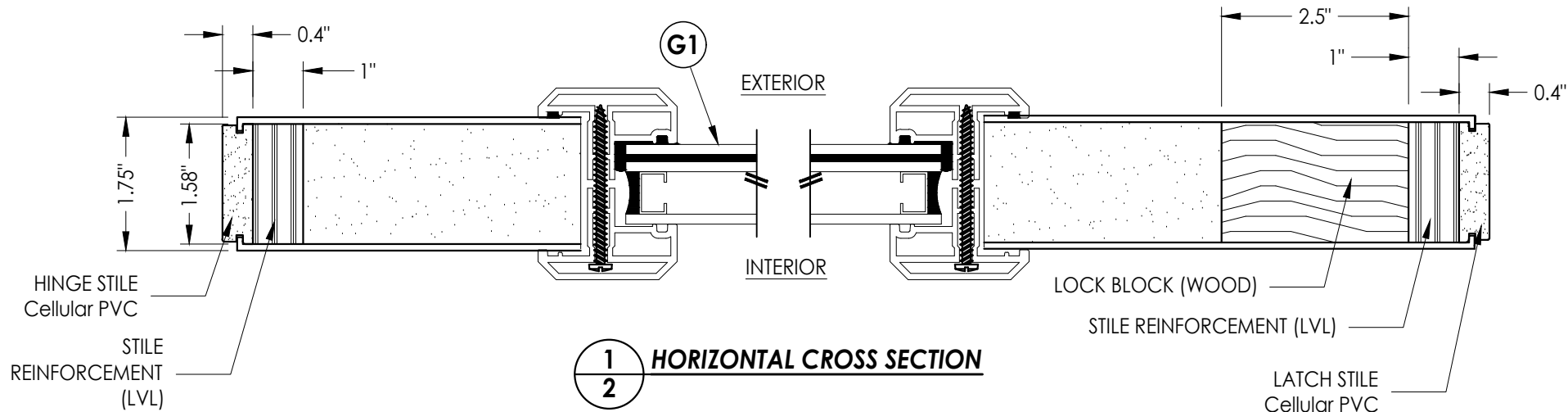
REVISIONS

NO.	DATE	BY
6	8/23/23	LFS
5	10/17/22	DAC
4	8/04/20	DAC

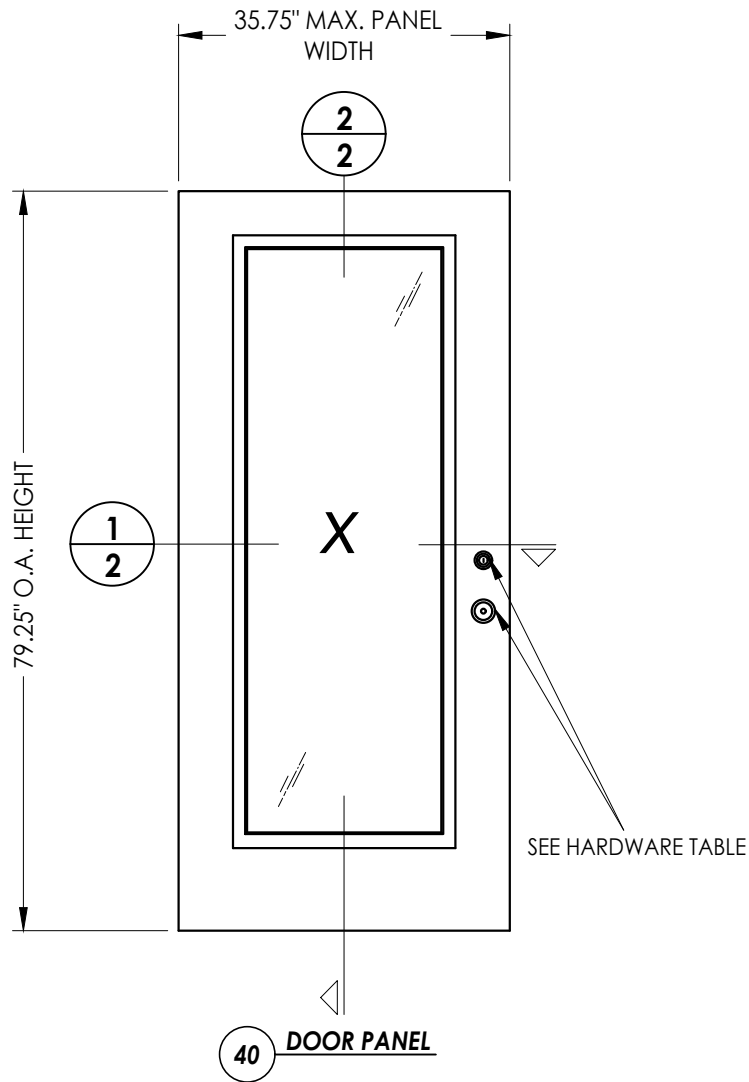
© 2012 R.W. BUILDING CONSULTANTS INC.

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

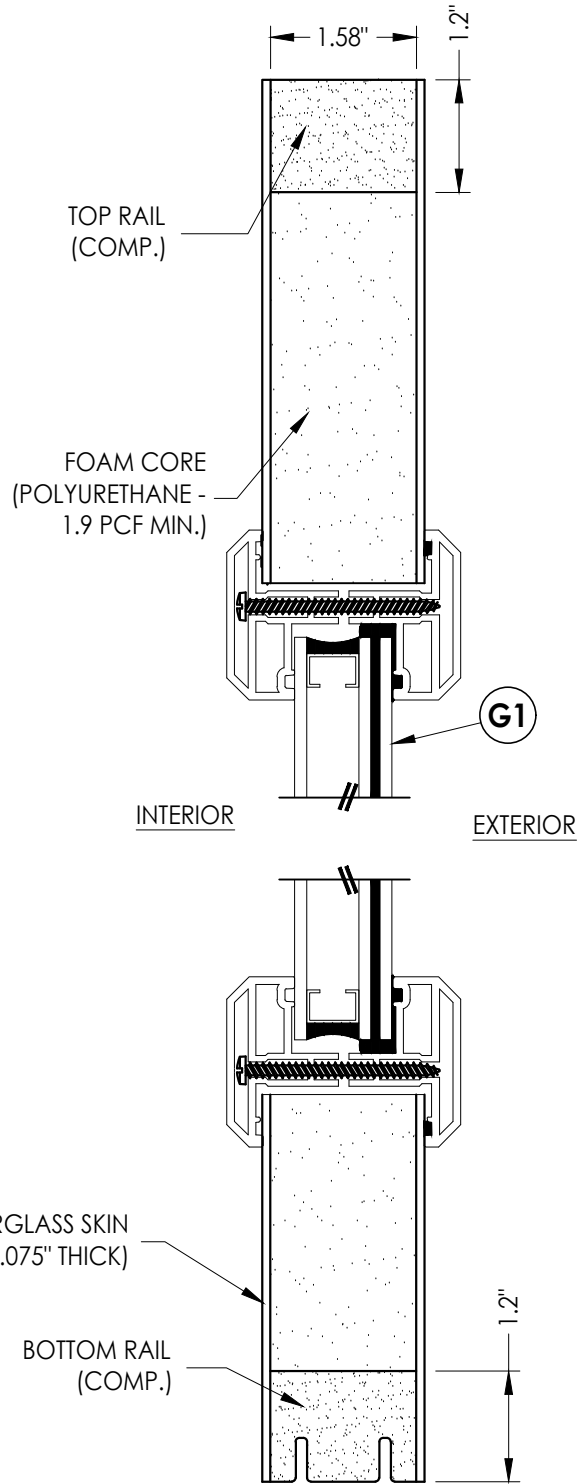
Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg



1
2 **HORIZONTAL CROSS SECTION**



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:
Lyndon F. Schmidt
P.E. No. 43409

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

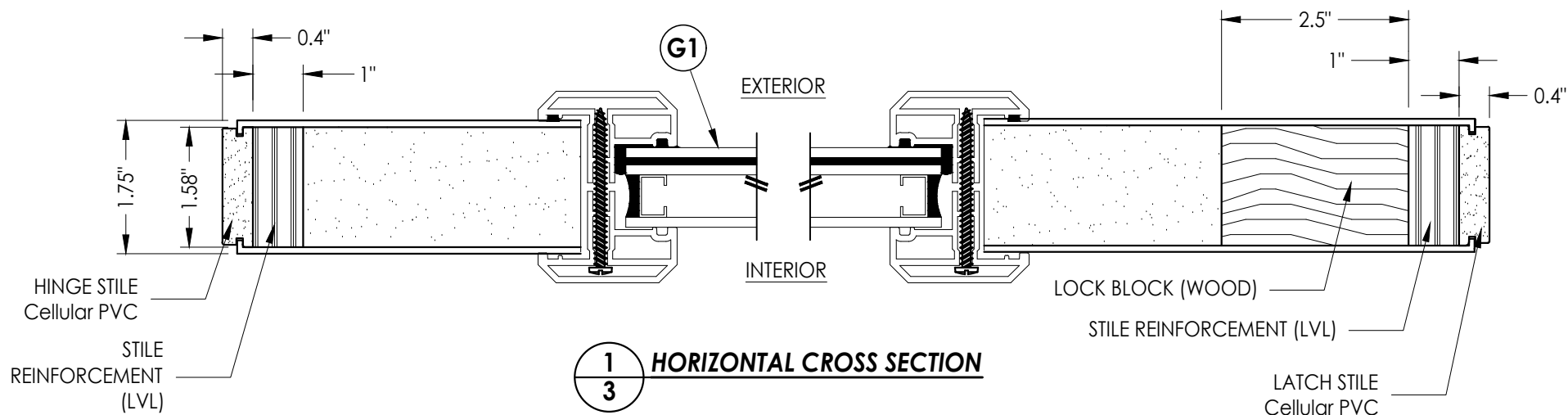
PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

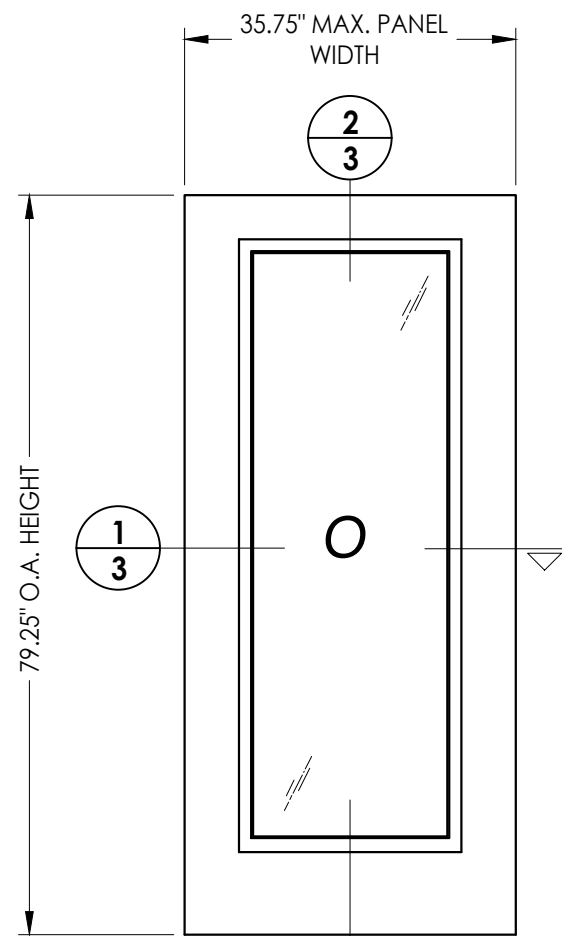
NO.	DATE	REVISIONS
6	8/23/23	UPDATE TO 8TH ED. (2023) FBC LFS
5	10/17/22	ADD DLP ASTRAGAL DAC
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC DAC

DATE: 02/21/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17184.10
SHEET 2 OF 12

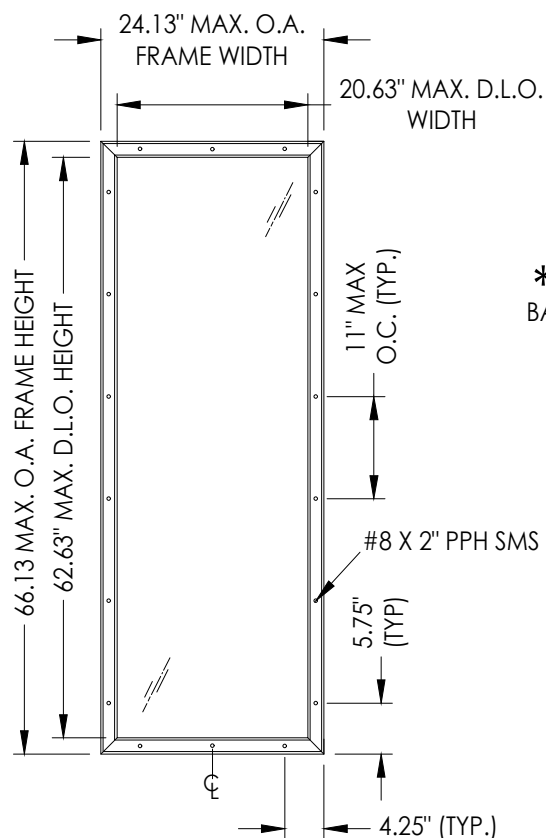
Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg



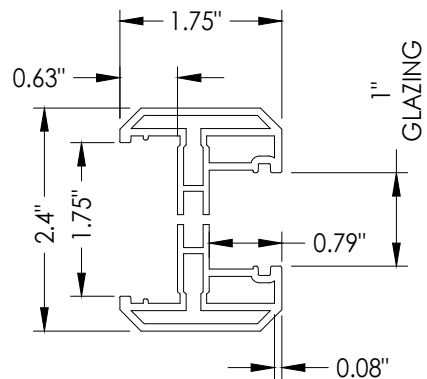
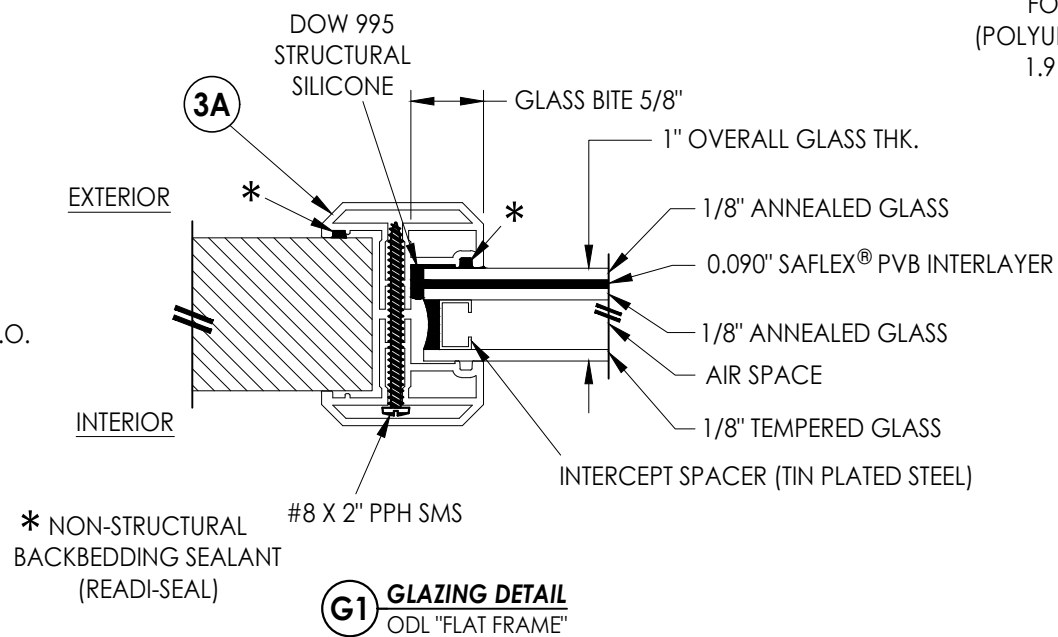
1/3 HORIZONTAL CROSS SECTION



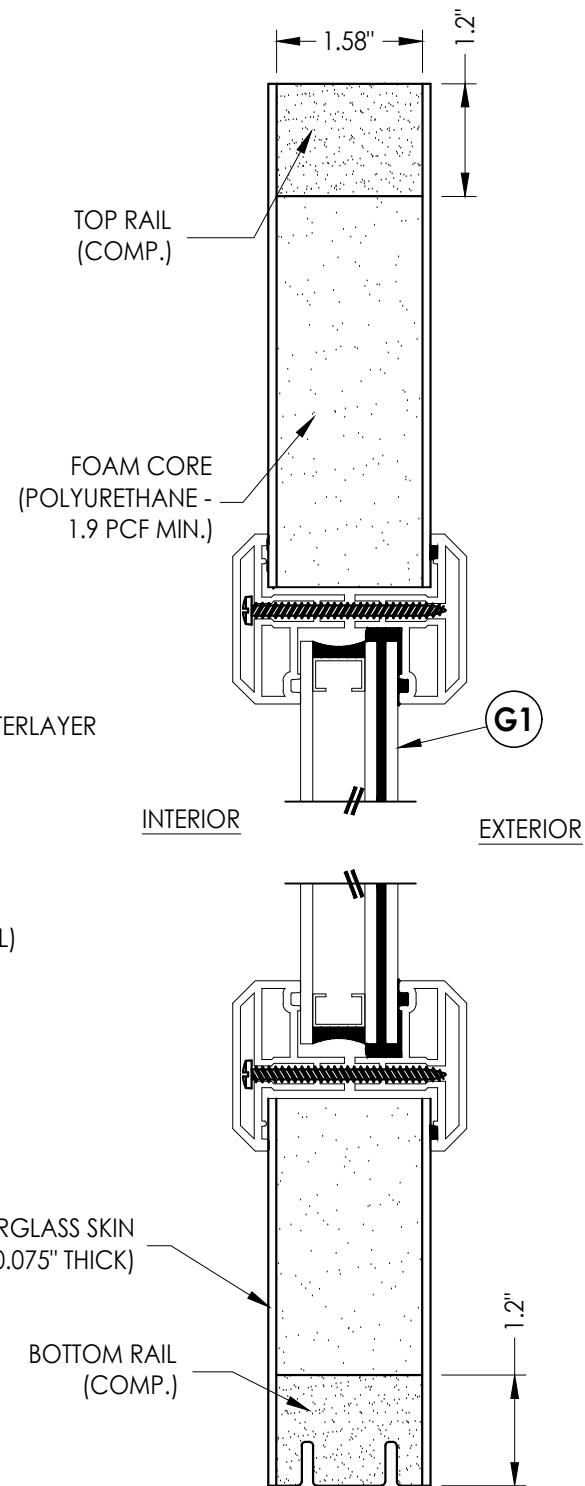
60 SIDELITE PANEL



ODL LITE FRAME DETAIL
"FLAT FRAME" PROFILE



3A ODL LITE FRAME
"FLAT FRAME" PROFILE
(6063-T5 ALUM)



2/3 VERTICAL CROSS SECTION

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

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

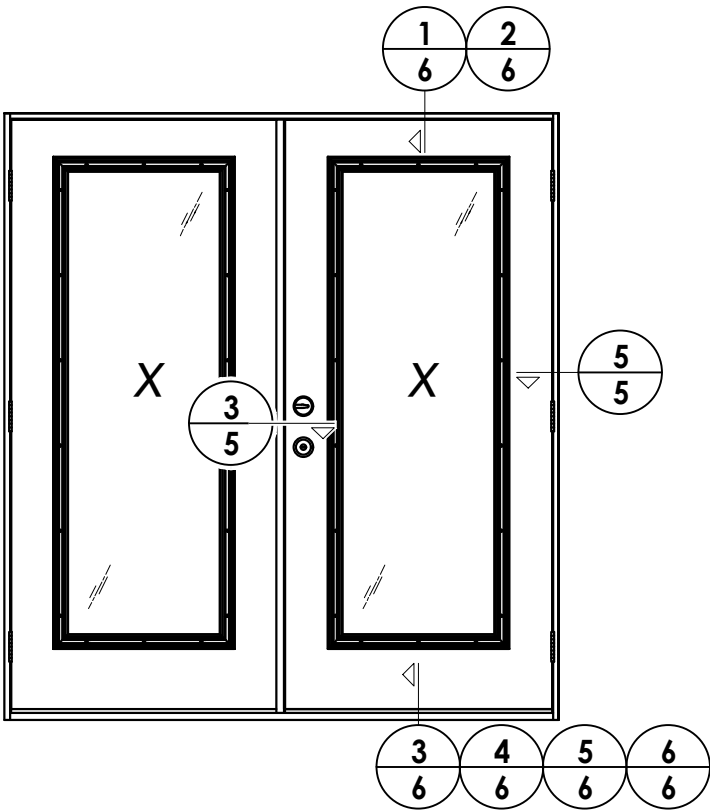
PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS
AND GLAZING DETAIL

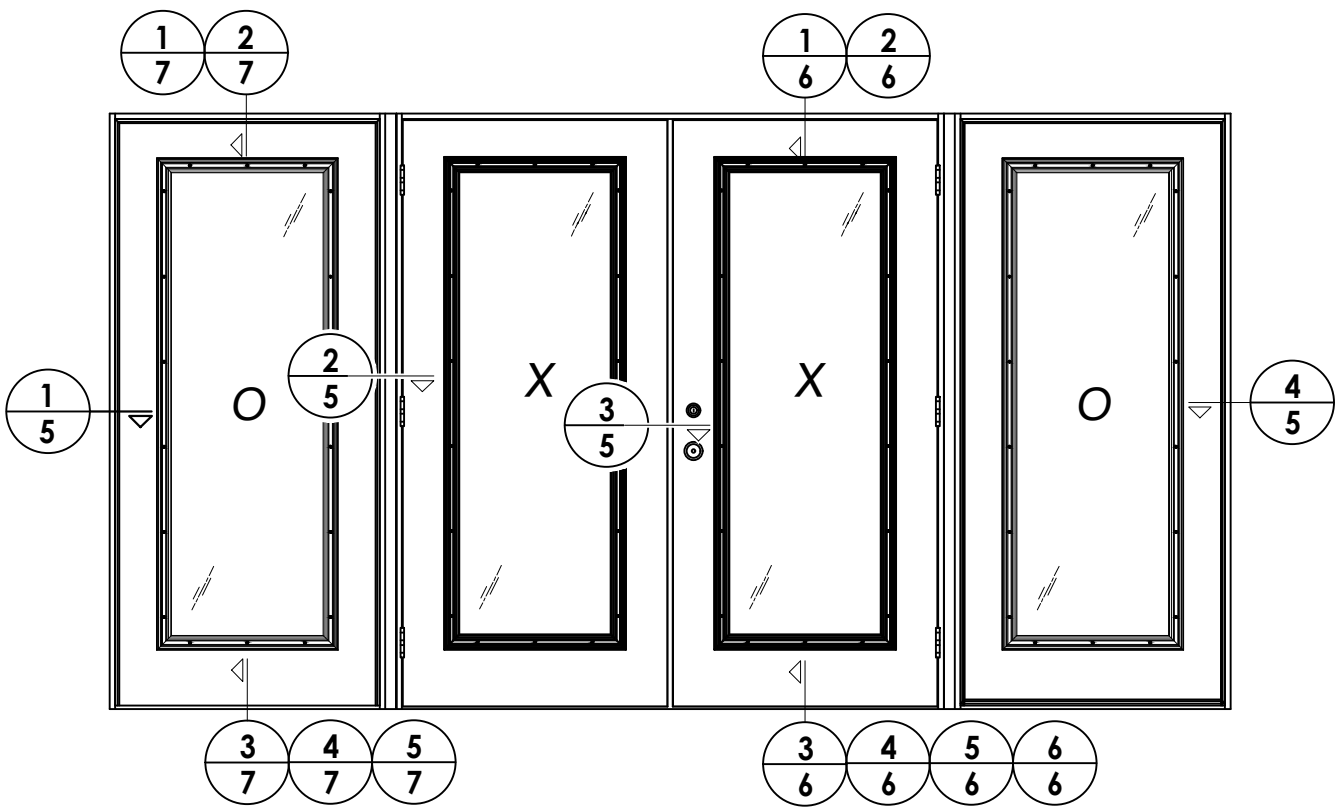
NO.	DATE	REVISIONS
6	8/23/23	UPDATE TO 8TH ED. (2023) FBC LFS
5	10/17/22	ADD DLP ASTRAGAL DAC
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC DAC

DATE: 02/21/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17184.10
SHEET 3 OF 12

Z:\2023 FBC Drawings\Plastro\FL-17184 R11\FL-17184.10.dwg



ELEVATION (XX)



ELEVATION (OXXO)

DATE: 02/21/12	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-17184.10	
SHEET 4 OF 12	
6	8/23/23
5	10/17/22
4	8/04/20
NO.	DATE
REVISIONS	
6	8/23/23
5	10/17/22
4	8/04/20
NO.	DATE

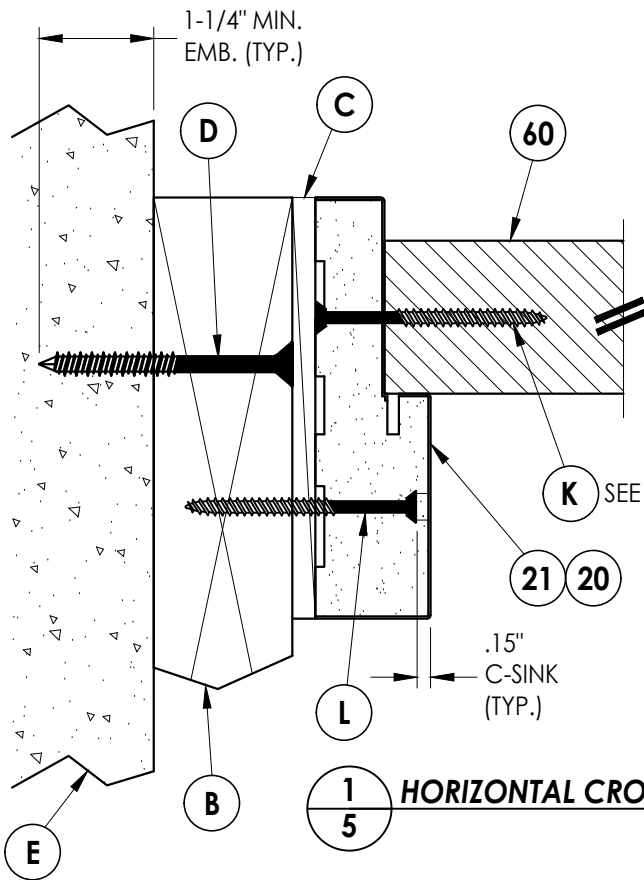
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY: ELEVATIONS	

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

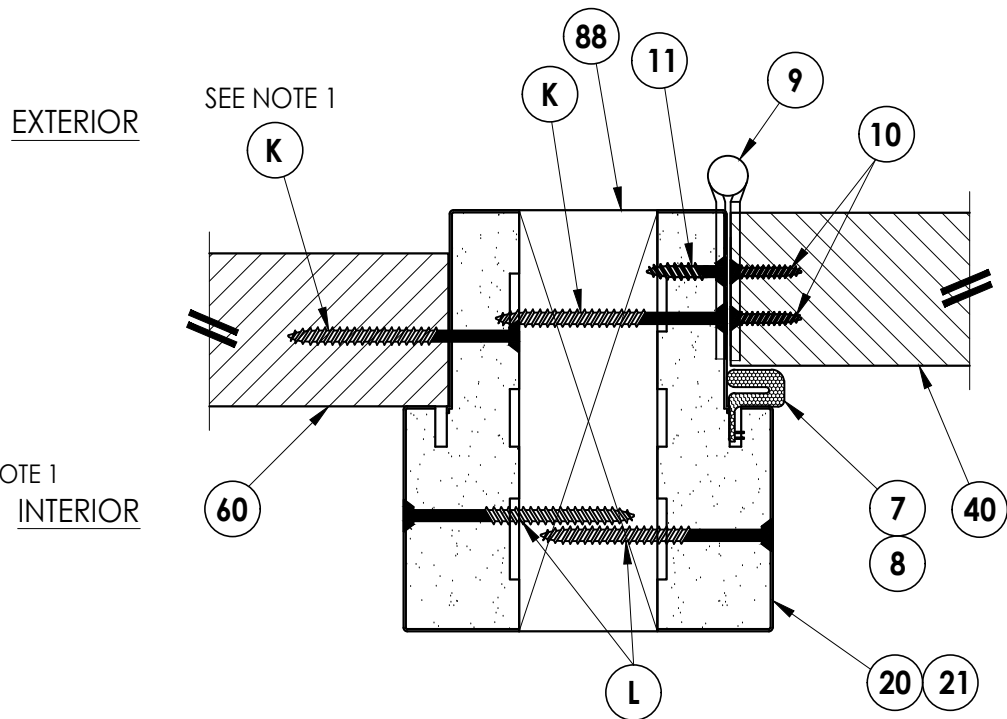
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg

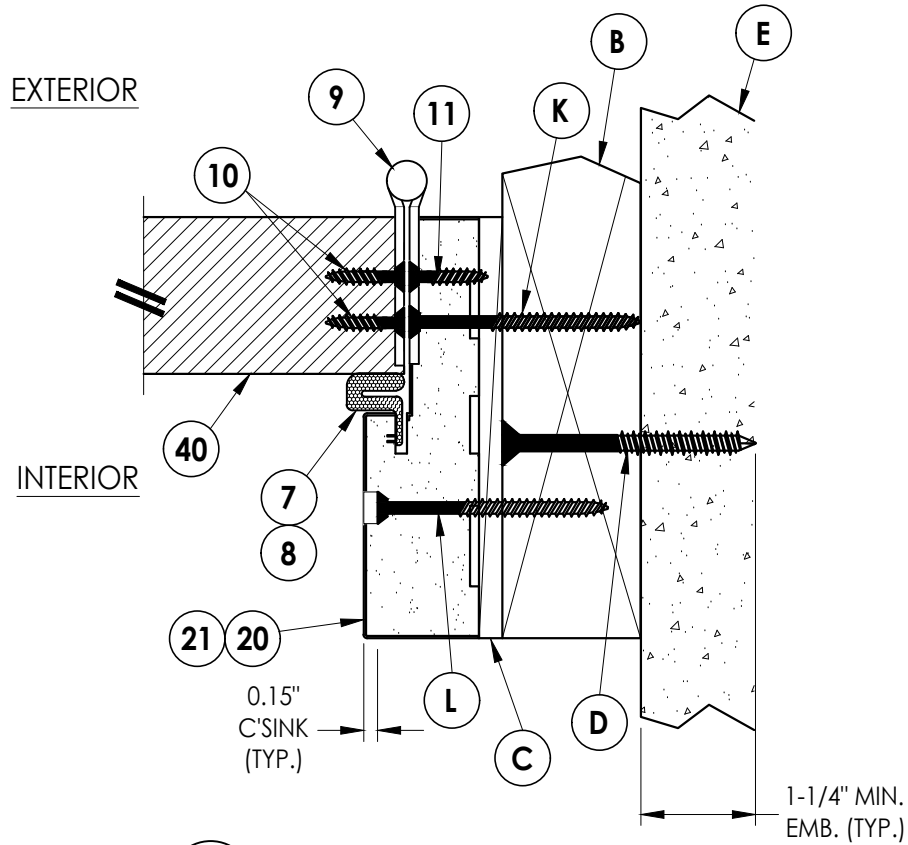
NOTE:
1. Spacing for item K: 6" from ends
and 6 more equally spaced along
sidelite (8 total).



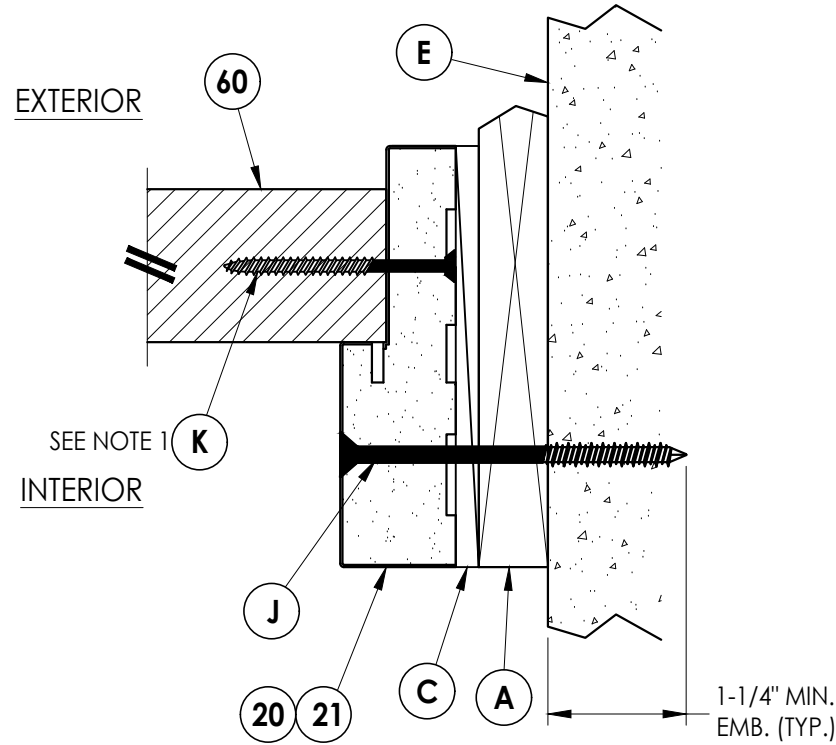
1
5 HORIZONTAL CROSS SECTION



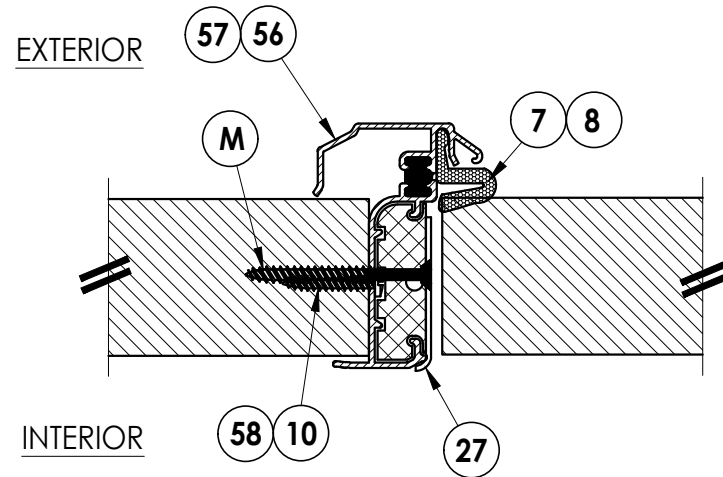
2
5 HORIZONTAL CROSS SECTION



5
5 HORIZONTAL CROSS SECTION



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



3
5 HORIZONTAL CROSS SECTION

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

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
6	8/23/23	UPDATE TO 8TH ED. (2023) FBC
5	10/17/22	ADD DLP ASTRAGAL
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC
3	8/04/20	UPDATE TO 7TH ED. (2020) FBC
2	8/04/20	UPDATE TO 7TH ED. (2020) FBC
1	8/04/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 02/21/12

SCALE: N.T.S.

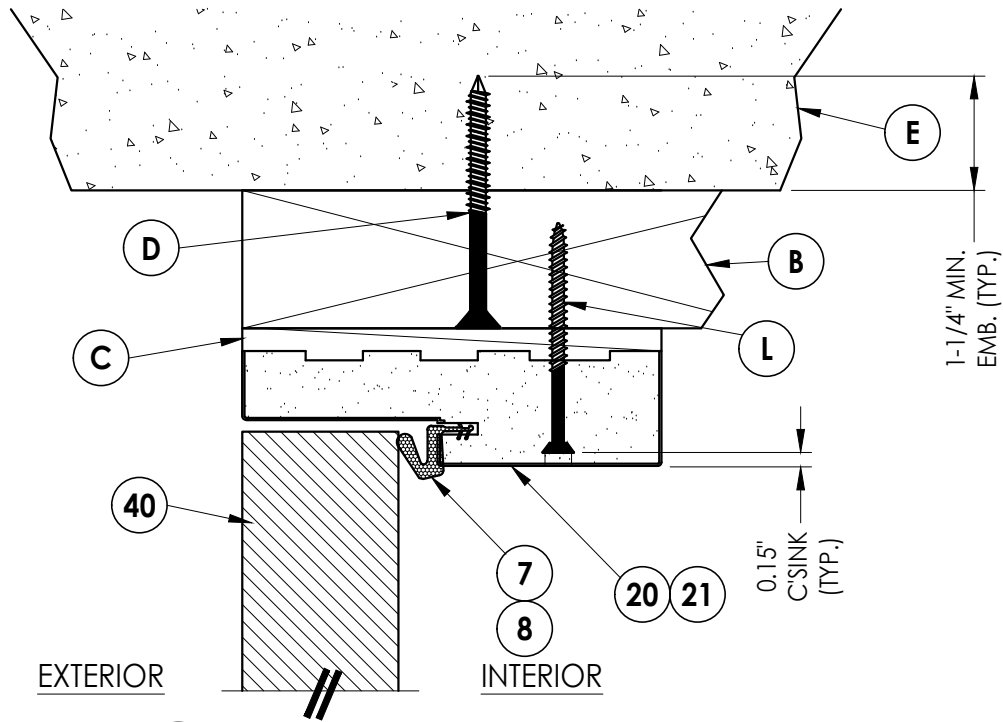
DWG. BY: JK

CHK. BY: LFS

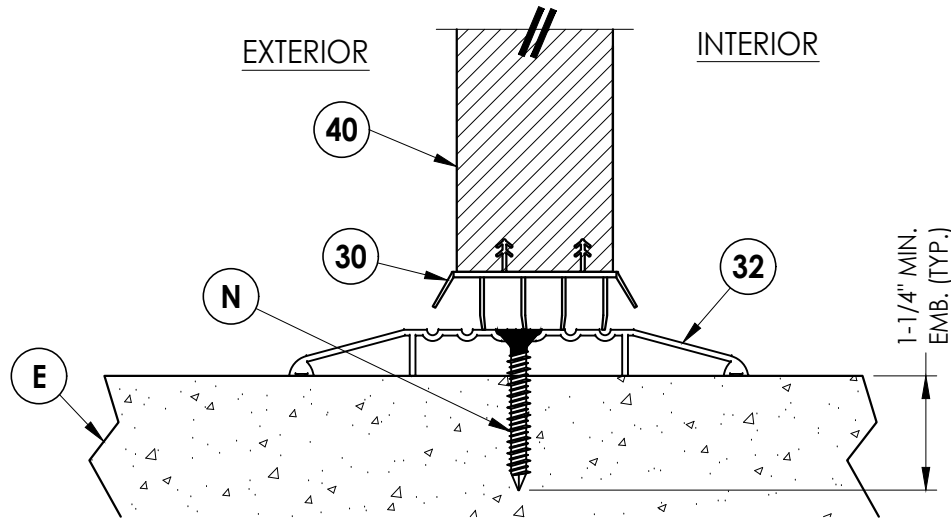
DRAWING NO.: FL-17184.10

SHEET 5 OF 12

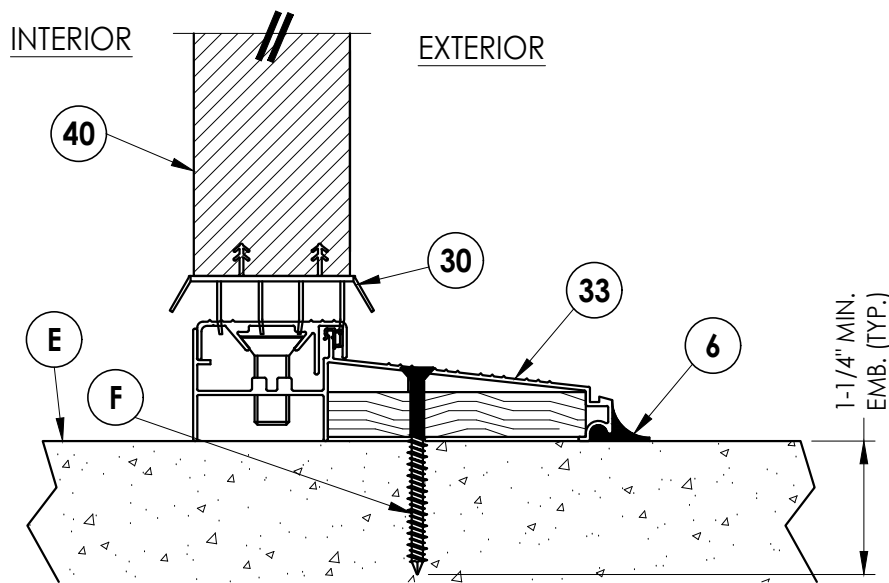
Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg



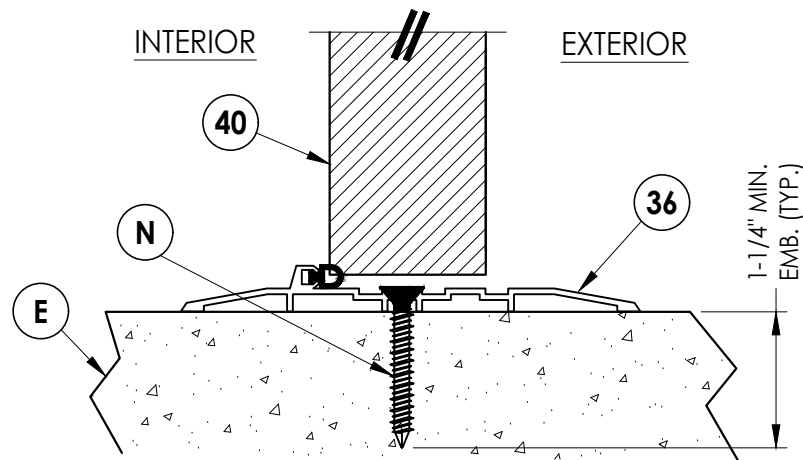
1 VERTICAL CROSS SECTION
6 Outswing shown - inswing also approved



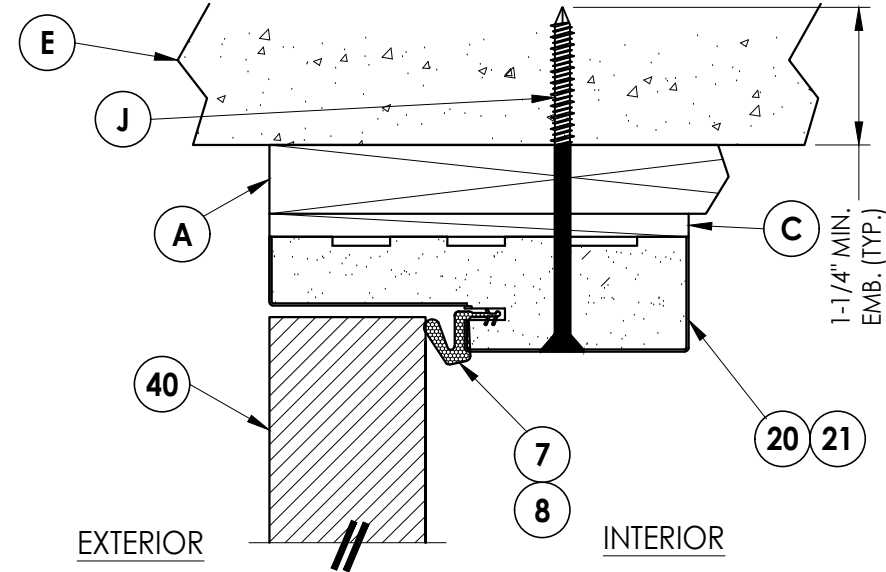
5 VERTICAL CROSS SECTION
6 Shown w/ ADA threshold



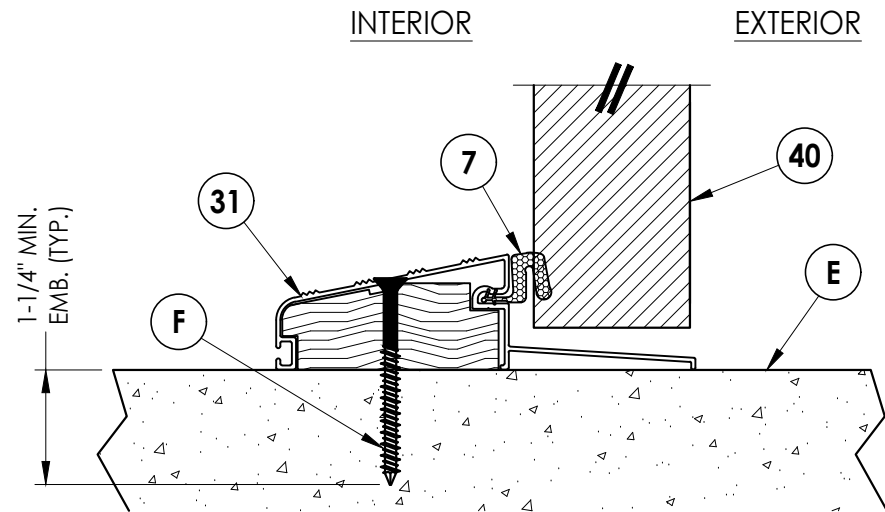
3 VERTICAL CROSS SECTION
6 Inswing configuration



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



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



4 VERTICAL CROSS SECTION
6 Outswing configuration

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

DATE	BY	CHK	APP	REV	DESCRIPTION
8/23/23	LFS			1	UPDATE TO 8TH ED. (2023) FBC
10/17/22	DAC			2	ADD DLP ASTRAGAL
8/04/20	DAC			3	UPDATE TO 7TH ED. (2020) FBC
	NO			DATE	

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

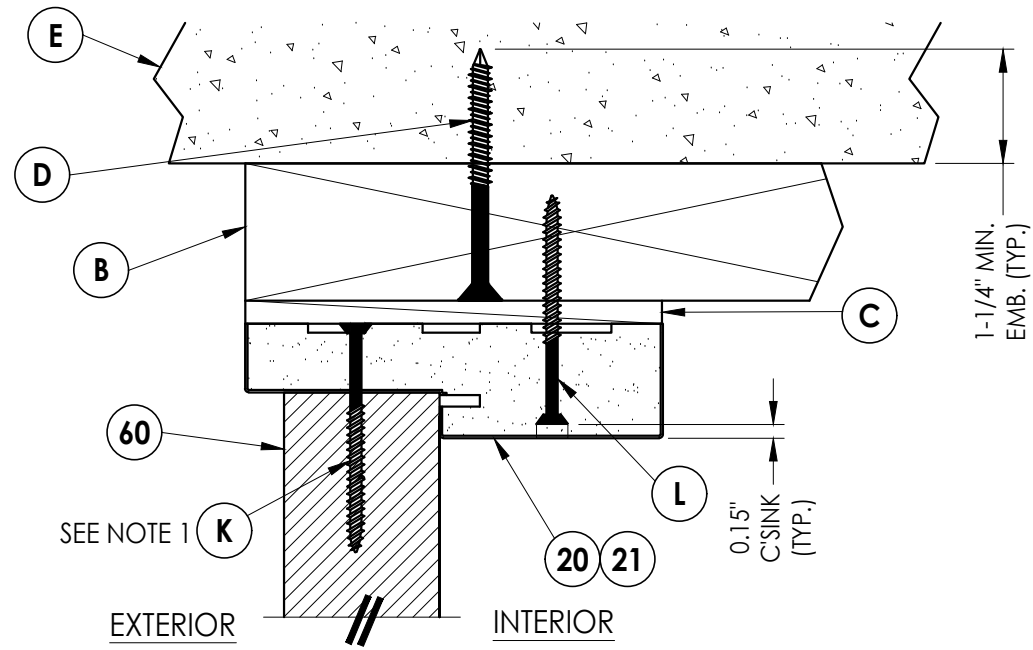
DRAWING NO.:

FL-17184.10

SHEET 6 of 12

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

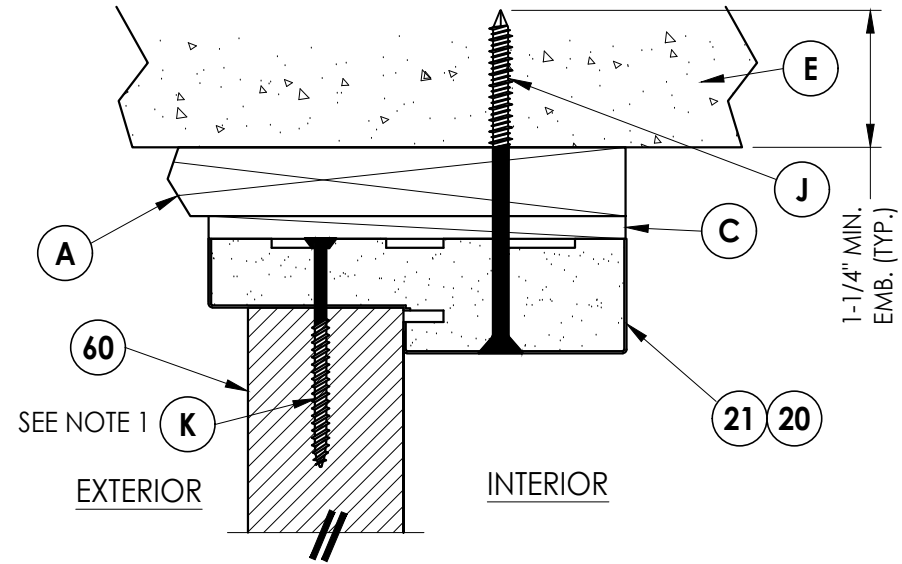
Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg



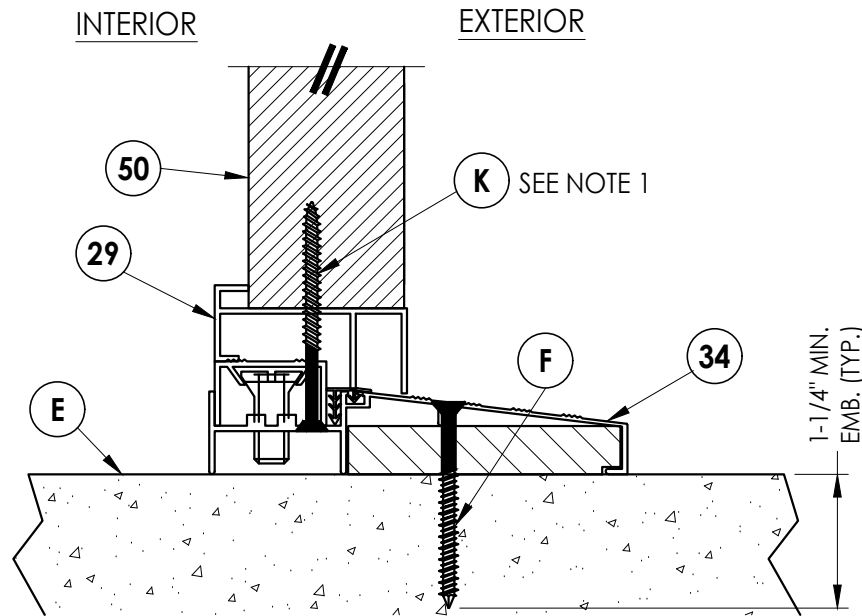
1
7 **VERTICAL CROSS SECTION**
Outswing shown - inswing also approved

NOTE

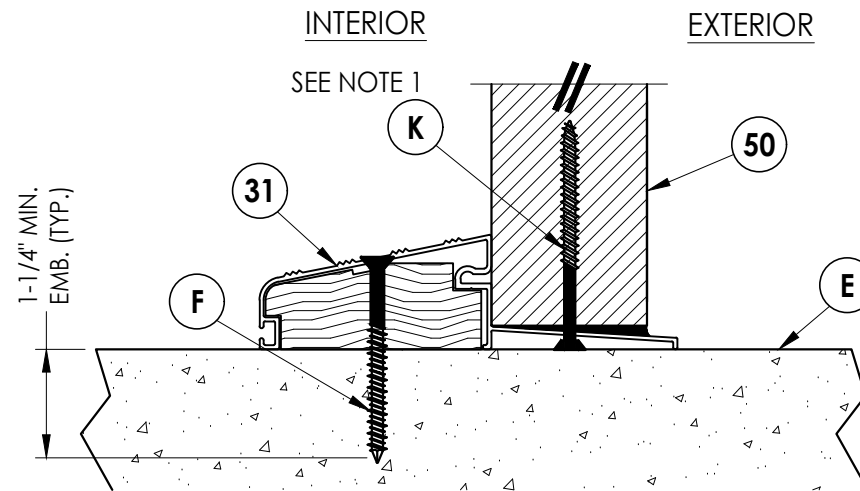
1. Spacing for item K: 6" from each end and at centerline (3 total).



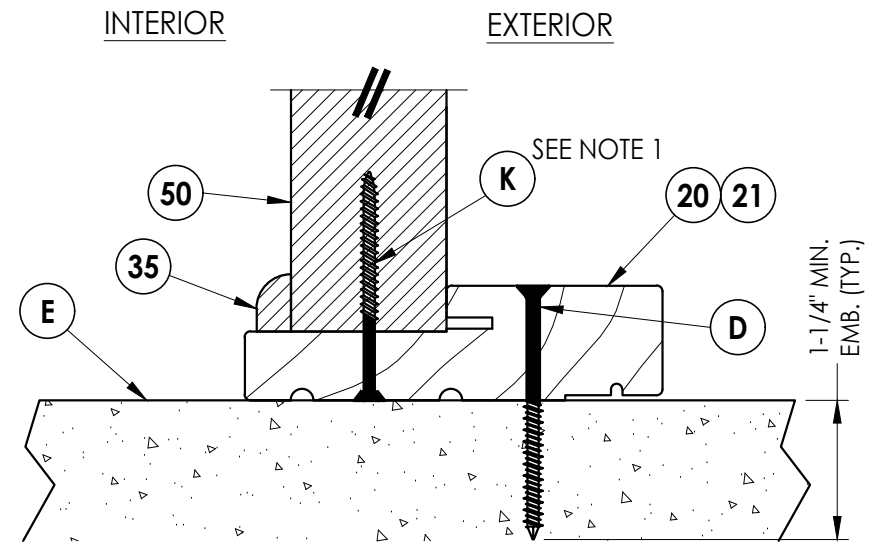
2
7 **VERTICAL CROSS SECTION**
Outswing shown - inswing also approved
Shown w/1X sub-buck



3
7 **VERTICAL CROSS SECTION**
Inswing configuration



4
7 **VERTICAL CROSS SECTION**
Outswing configuration



5
7 **VERTICAL CROSS SECTION**
Outswing configuration

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

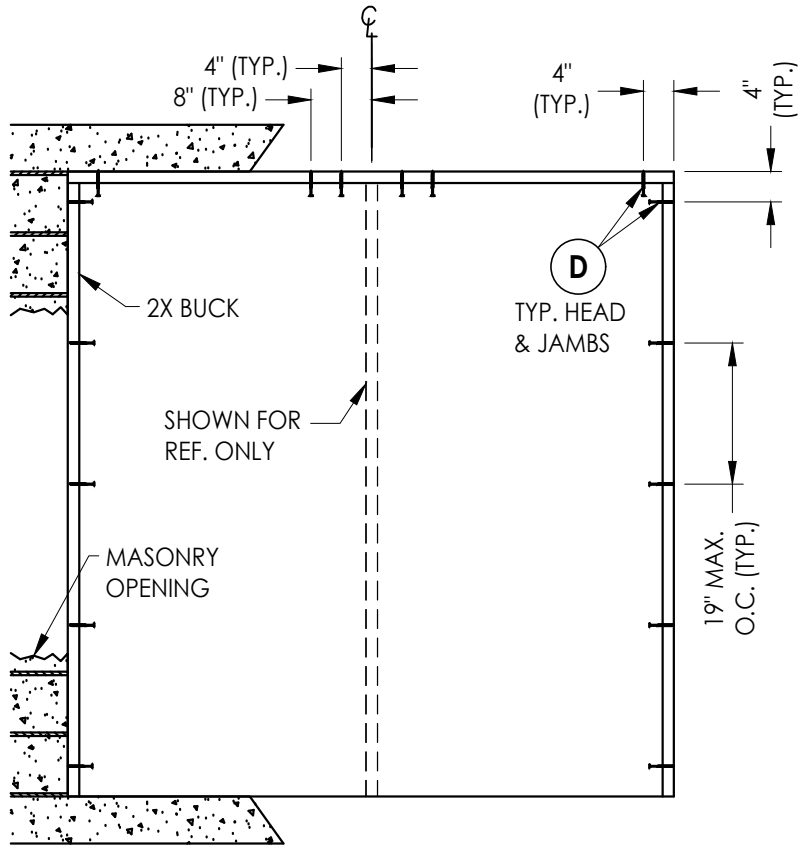
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

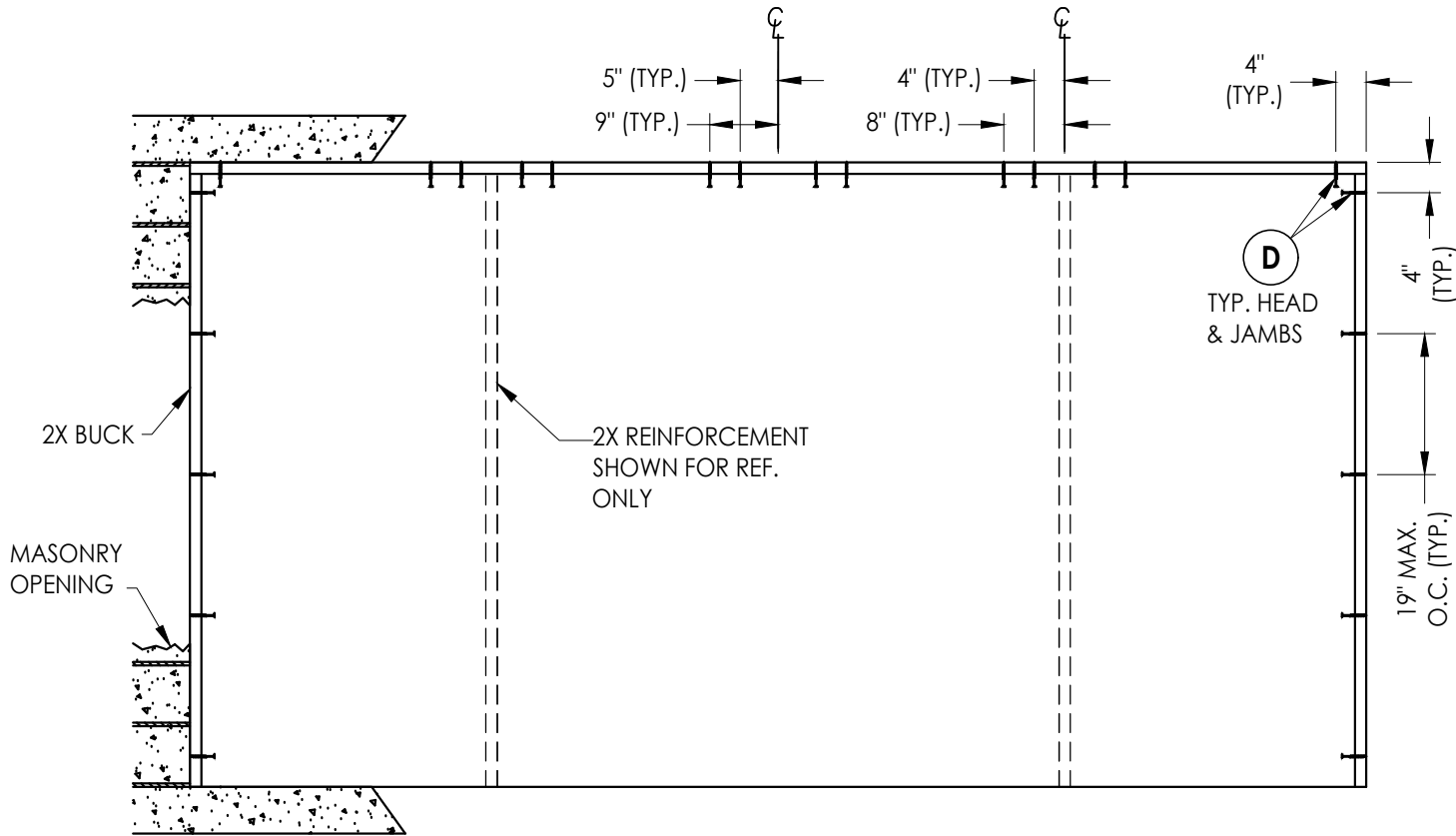
PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
6	8/23/23	UPDATE TO 8TH ED. (2023) FBC
5	10/17/22	ADD DLP ASTRAGAL
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 02/21/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-17184.10
SHEET 7 OF 12



BUCK ANCHORING
XX



BUCK ANCHORING
OXXO

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:
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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:

BUCK ANCHORING

NO.	DATE	REVISIONS
6	8/23/23	UPDATE TO 8TH ED. (2023) FBC LFS
5	10/17/22	ADD DLP ASTRAGAL DAC
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC DAC

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

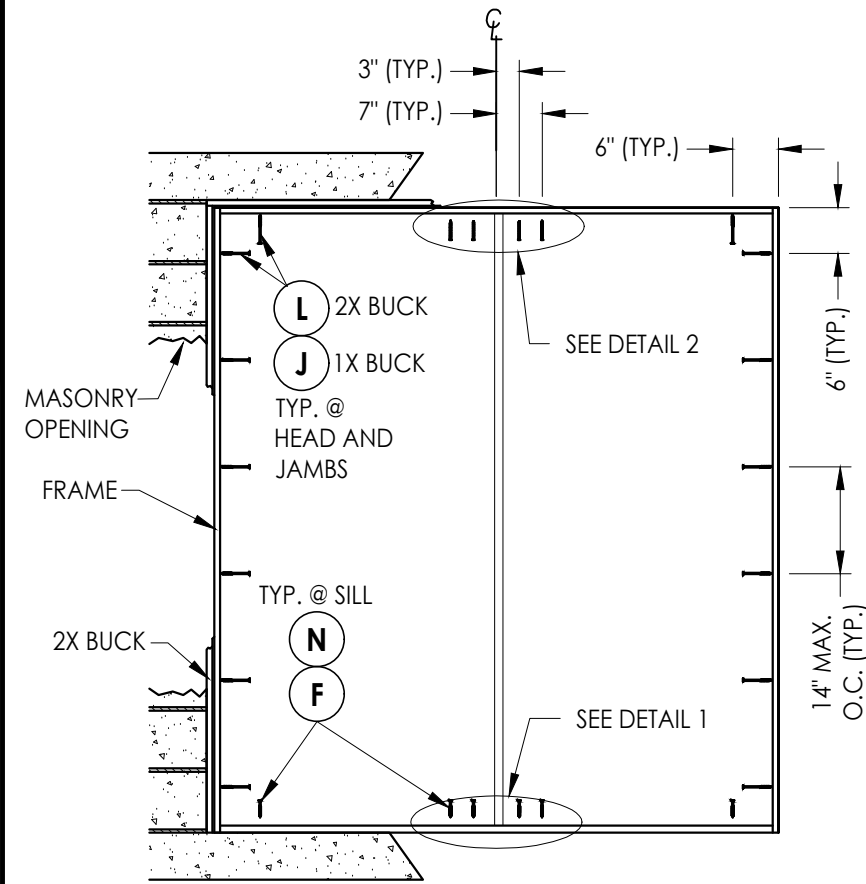
CHK. BY: LFS

DRAWING NO.:

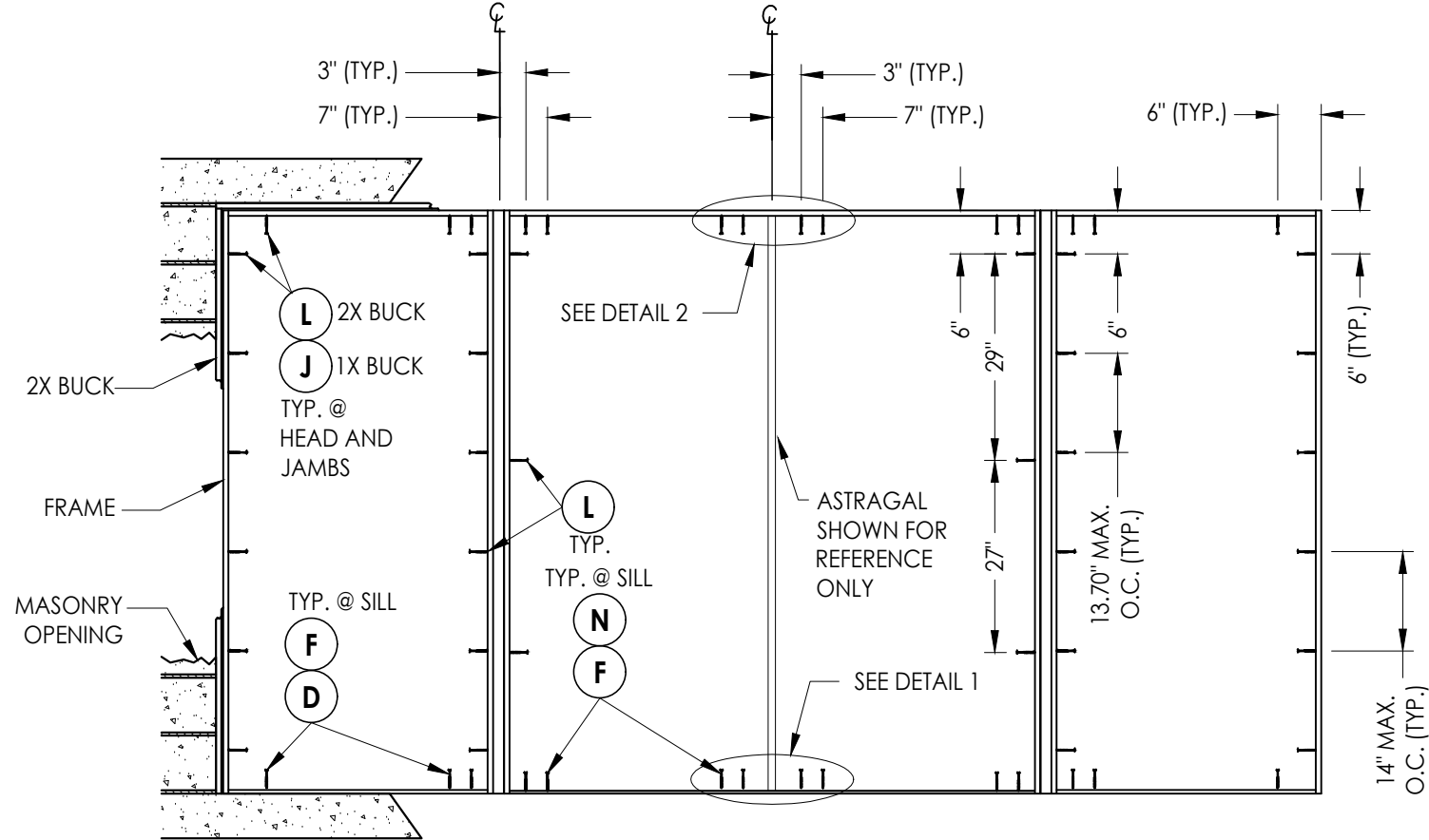
FL-17184.10

SHEET 8 OF 12

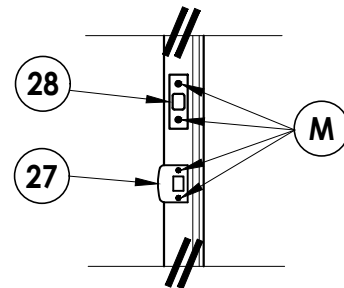
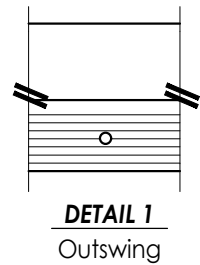
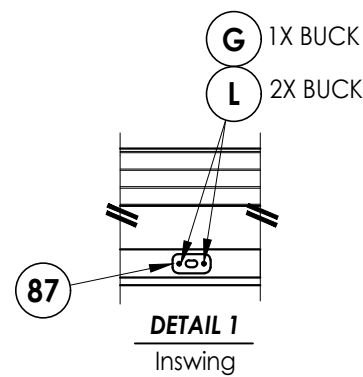
Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg



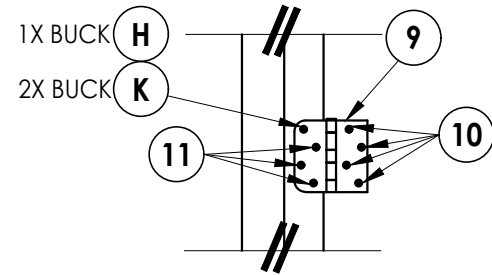
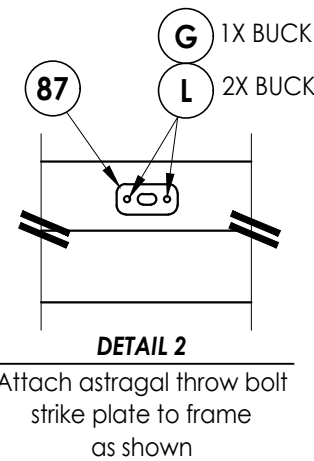
FRAME ANCHORING
XX



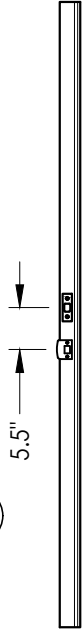
FRAME ANCHORING
OXXO



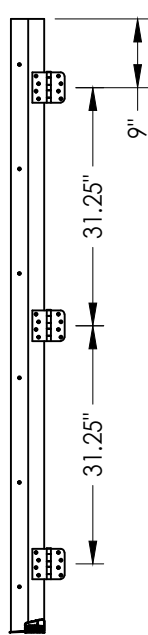
LATCH & DEAD BOLT DETAIL



HINGE DETAIL



ASTRAGAL STRIKE JAMB



HINGE JAMB

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"
DeWALT 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

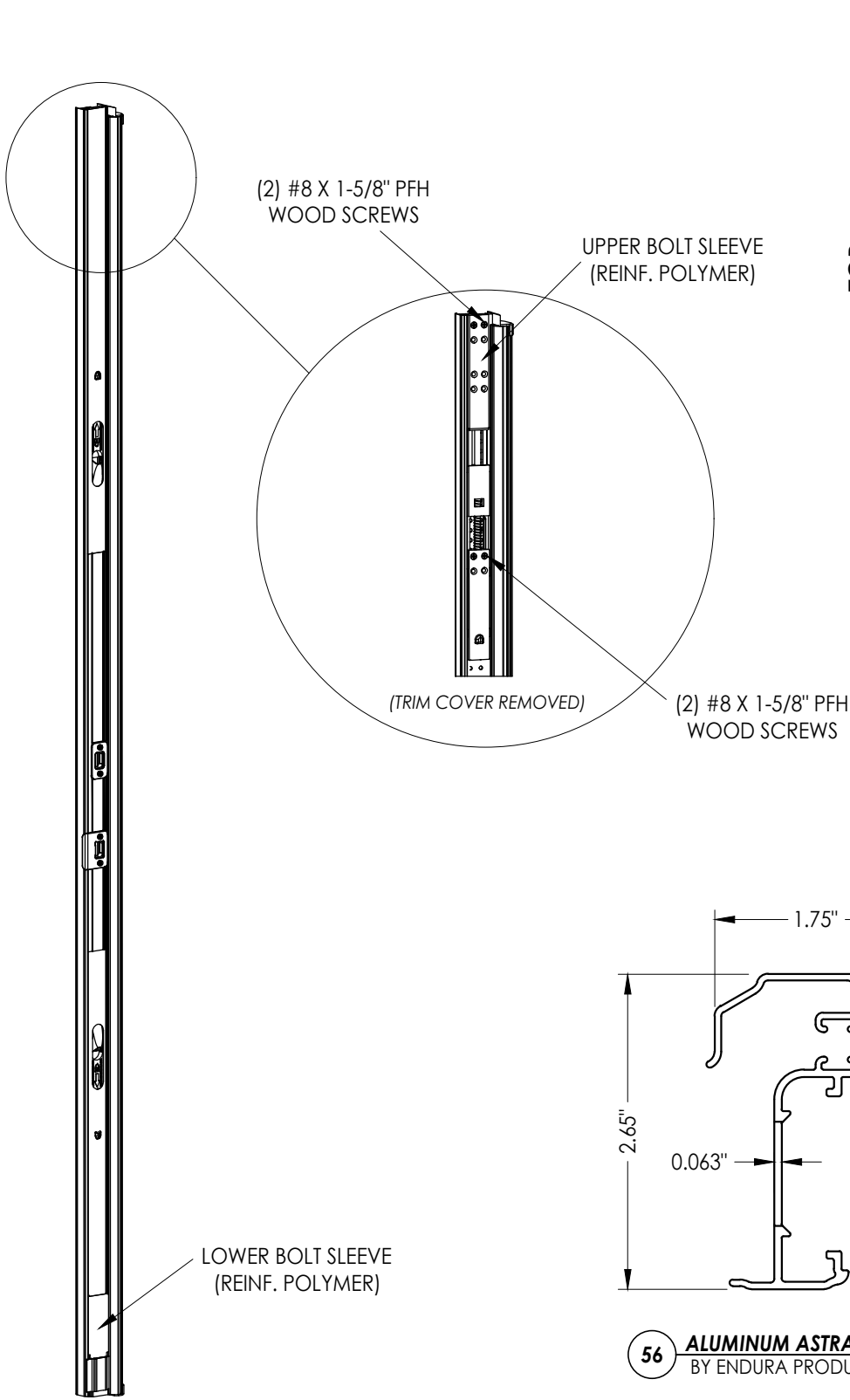
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

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

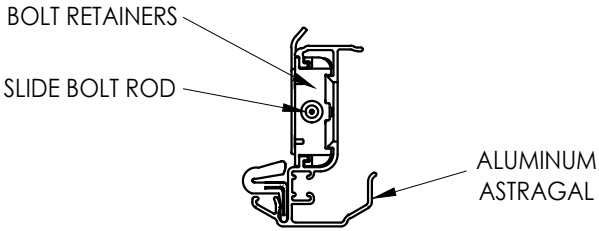
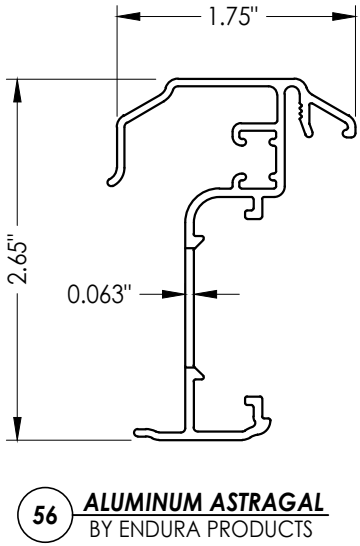
PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
6	8/23/23	UPDATE TO 8TH ED. (2023) FBC
5	10/17/22	ADD DLP ASTRAGAL
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC
NO.	DATE	BY
DATE: 02/21/12		
SCALE: N.T.S.		
DWG. BY: JK		
CHK. BY: LFS		
DRAWING NO.: FL-17184.10		
SHEET 9 OF 12		

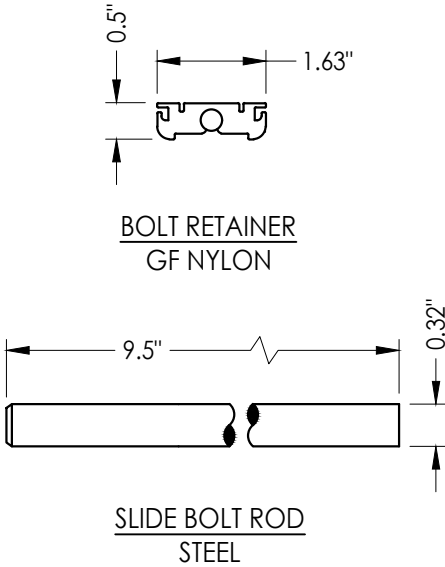
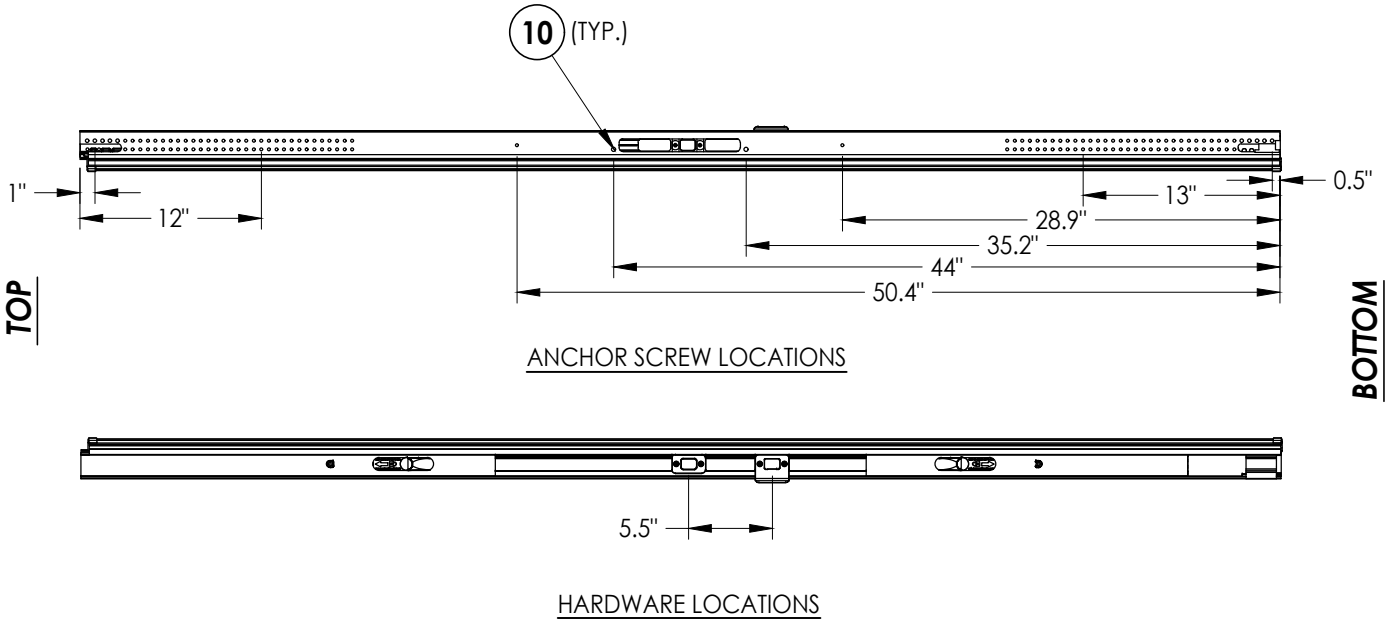
Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg



ULTIMATE HURRICANE ASTRAGAL



ALUMINUM ASTRAGAL ASSEMBLY



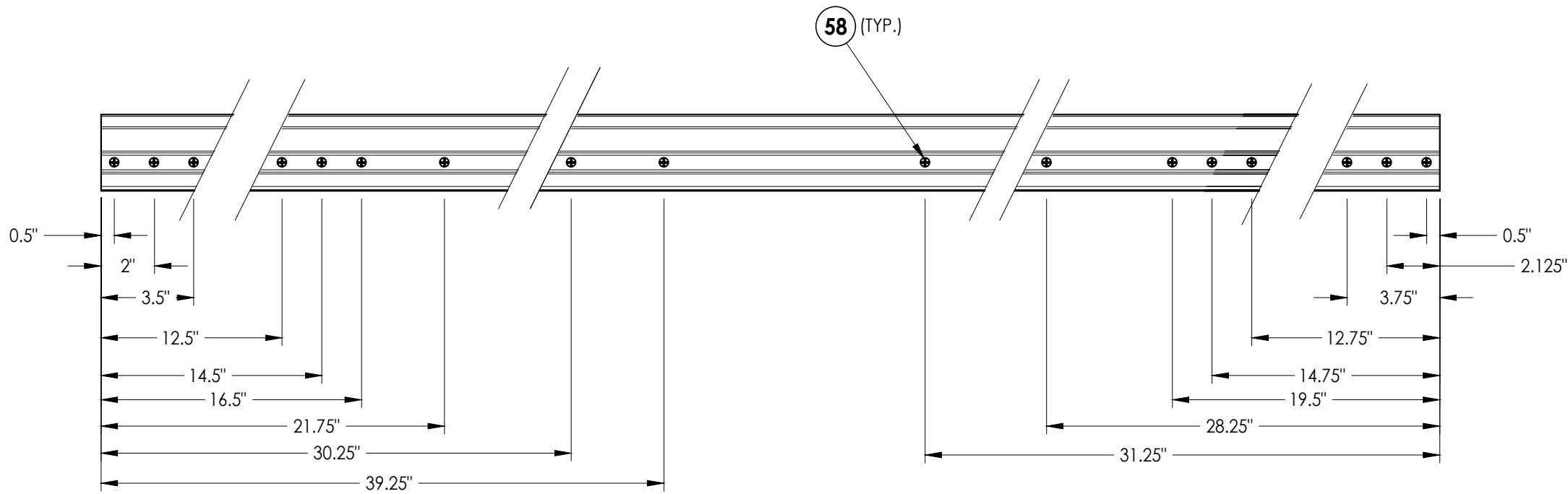
NO.	DATE	REVISIONS
6	8/23/23	UPDATE TO 8TH ED. (2023) FBC
5	10/17/22	ADD DLP ASTRAGAL
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC
3		
2		
1		

DATE:	02/21/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17184.10
SHEET	10 OF 12

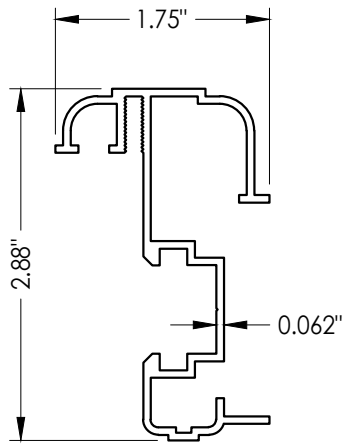
PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	ASTRAGAL DETAILS

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

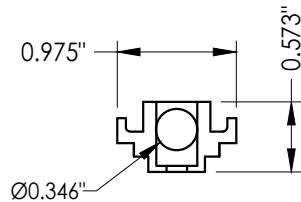
Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg



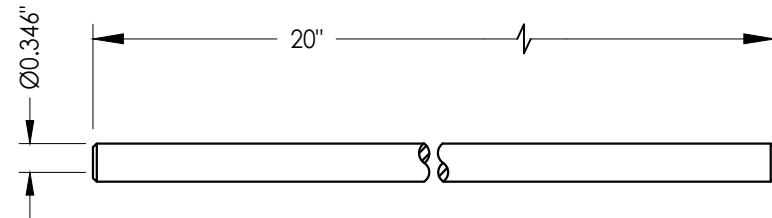
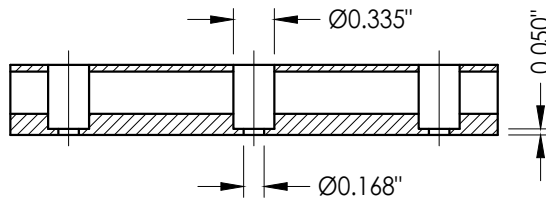
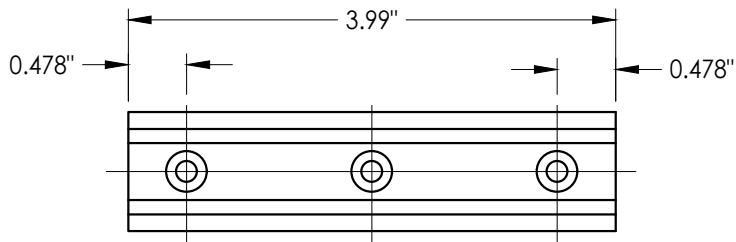
ASTRAGAL SCREW LOCATIONS



57 **ASTRAGAL**
By DLP



CONCEALED STIFFENER
ALUMINUM



SLIDE BOLT ROD
STEEL

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
ASTRAGAL DETAILS

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

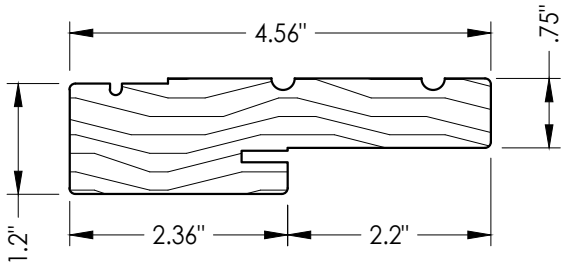
DRAWING NO.:
FL-17184.10

SHEET 11 OF 12

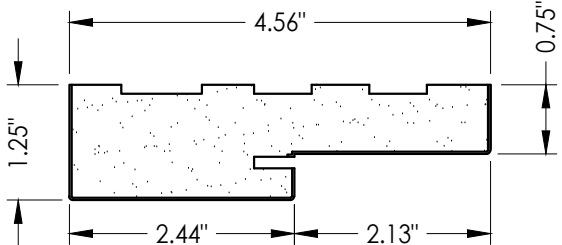
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Plastpro\FL-17184 R11\FL-17184.10.dwg

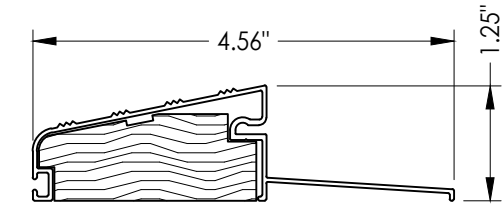
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 2-1/4" 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	-
56	EXTRUDED ALUMINUM "ULTIMATE HURRICANE ASTRAGAL" (ENDURA)	ALUM.
57	EXTRUDED ALUMINUM ASTRAGAL (DLP)	ALUM.
58	#8 X 2" PPH SMS	STEEL
60	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
87	ASTRAGAL STRIKE PLATE	STEEL
88	2X REINFORCEMENT (CLEAR PINE: SG >= 0.49)	WOOD



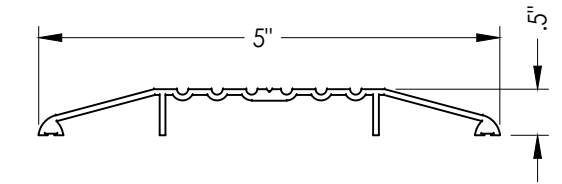
20 HEAD & SIDE JAMB
Wood



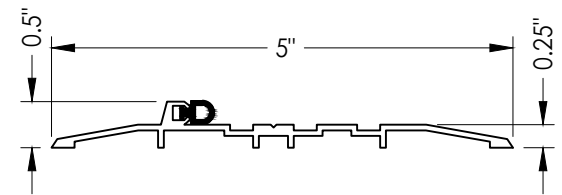
21 HEAD & SIDE JAMB
Poly fiber



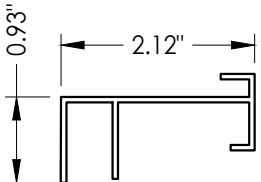
31 OUTSWING THRESHOLD
QOSH



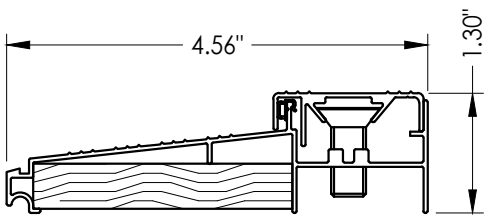
32 ADA SILL
ISHC



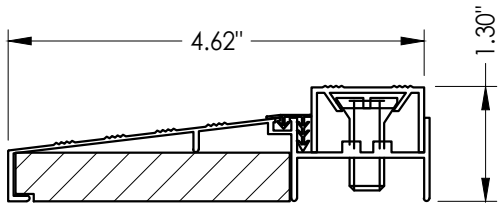
36 OUTSWING ADA BUMP THRESHOLD
OSHC



29 SIDELITE SPACER



33 INSWING THRESHOLD
ISCS



34 SIDELITE THRESHOLD
ISH/ EIS

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 Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
6	8/23/23	UPDATE TO 8TH ED. (2023) FBC
5	10/17/22	ADD DLP ASTRAGAL
4	8/04/20	UPDATE TO 7TH ED. (2020) FBC
3		
2		
1		

DATE:	02/21/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-17184.10
SHEET	12 OF 12