



Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany
Series N Fiberglass Door
OUTSWING
"IMPACT"

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 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.
5. For 2x stud framing 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 configuration (using sill Item #29) meets water infiltration requirements for "HVHZ". The ADA configuration (using sill Item #35) does 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.

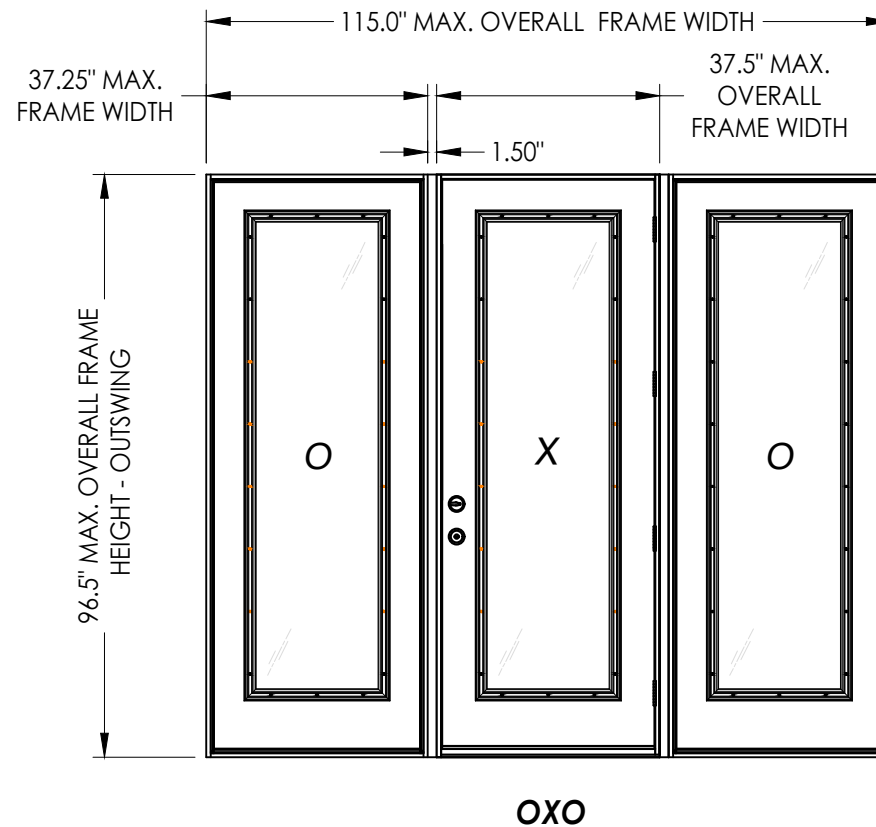
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details and glazing detail
3	Sidelite panel details and glazing detail
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Vertical cross sections
8	Buck anchoring
9	Frame anchoring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

L7Schultz

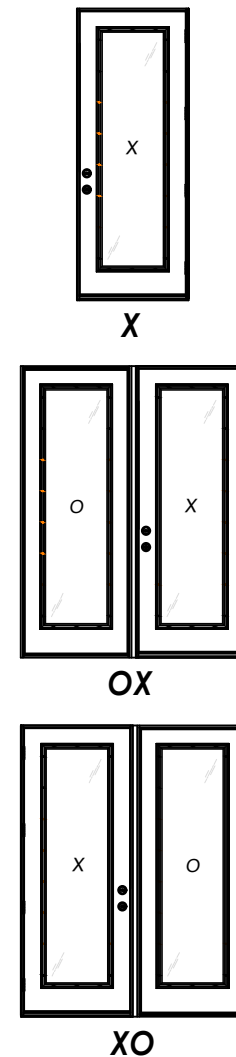


The seal is circular with a double-lined border. The outer ring contains the text "F. SCHMIDT" at the top, "LICENSE" at the bottom, and "STATE OF FLORIDA" on the right side. The inner ring contains the text "PROFESSIONAL ENGINEER" on the left side. The center of the seal features the license number "No. 43409" and two stars.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



CONFIGURATION	MAX. FRAME DIMENSION	MAX. SIDELITE D.L.O. DIMENSION	DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE
X	37.5" X 96.5"	20.63" X 78.75"	+50.0	-50.0
OX/XO	76.25" X 96.5"	20.63" X 78.75"	+50.0	-50.0
OXO	115.0" X 96.5"	20.63" X 78.75"	+50.0	-50.0



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P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

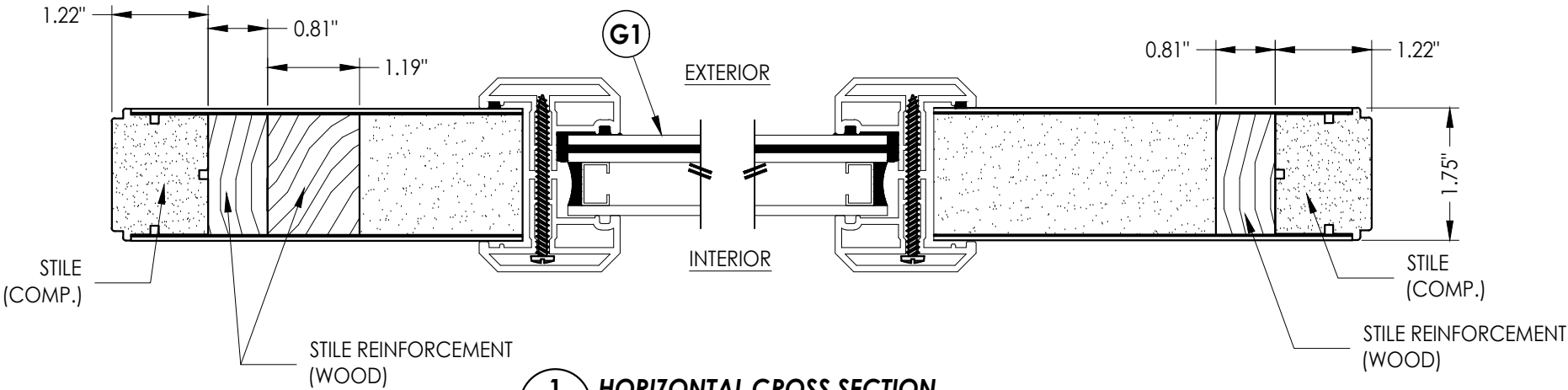
PART OR ASSEMBLY:
 TYPICAL ELEVATION, DESIGN
 PRESSURES & GENERAL NOTES

5	8/15/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	6/28/22	ADD ADA THRESHOLD		LFS
3	7/23/20	UPDATE TO 7TH ED (2020)	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	BY		
REVISIONS				

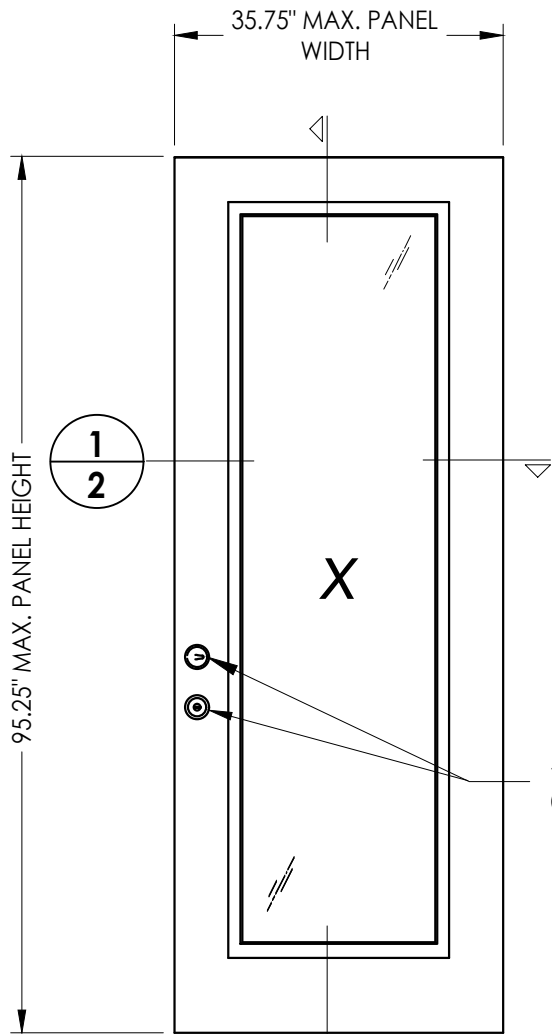
FL-15180.3

SHEET 1 OF 11

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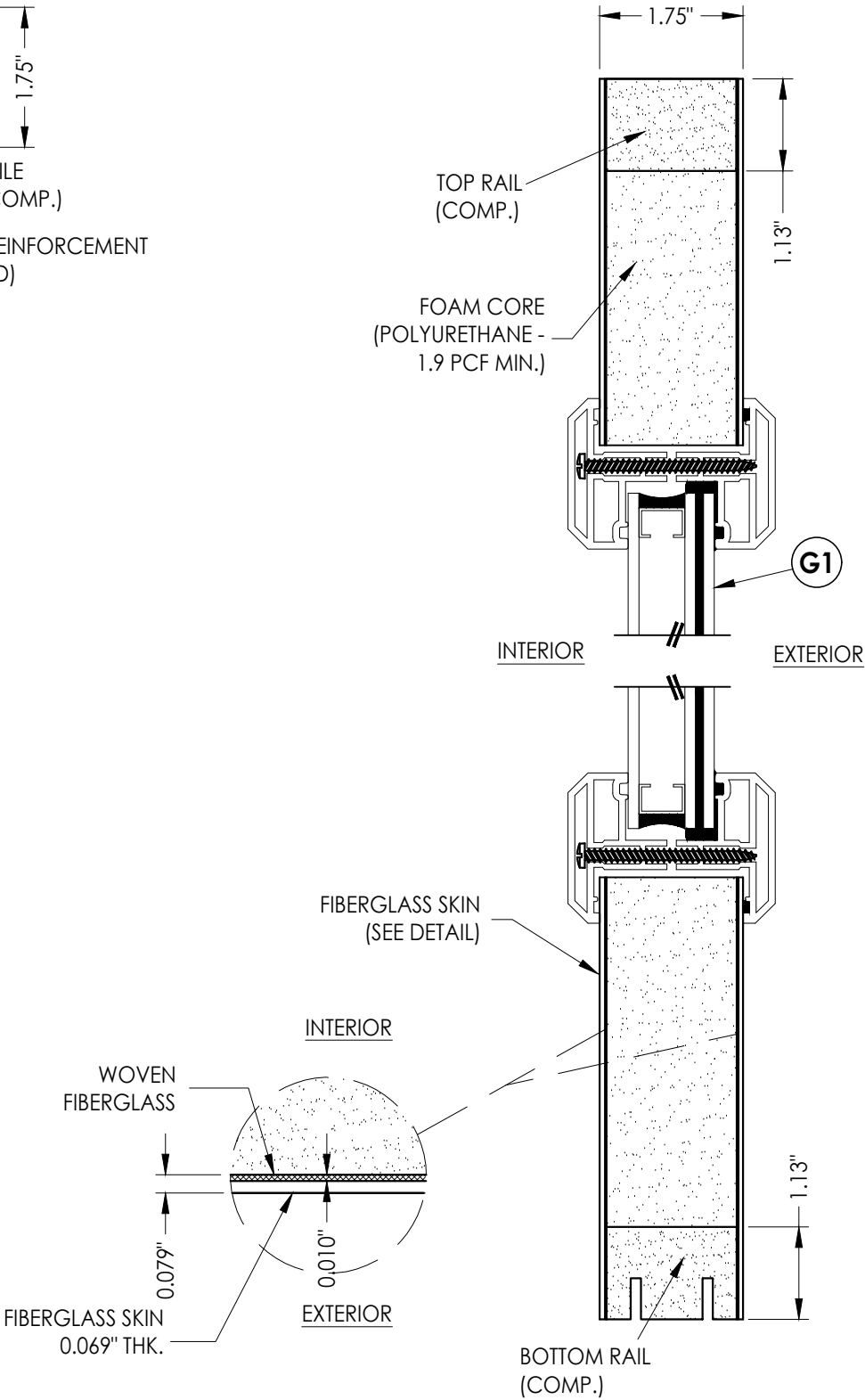


1
2 **HORIZONTAL CROSS SECTION**



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)



DOOR SKIN DETAIL

2
2 **VERTICAL 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:
DOOR PANEL DETAILS
AND GLAZING DETAIL

NO.	DATE	REVISIONS
5	8/15/23	UPDATE TO 8TH ED. (2023) FBC
4	6/28/22	ADD ADA THRESHOLD
3	7/23/20	UPDATE TO 7TH ED (2020) FBC
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 02/21/12

SCALE: N.T.S.

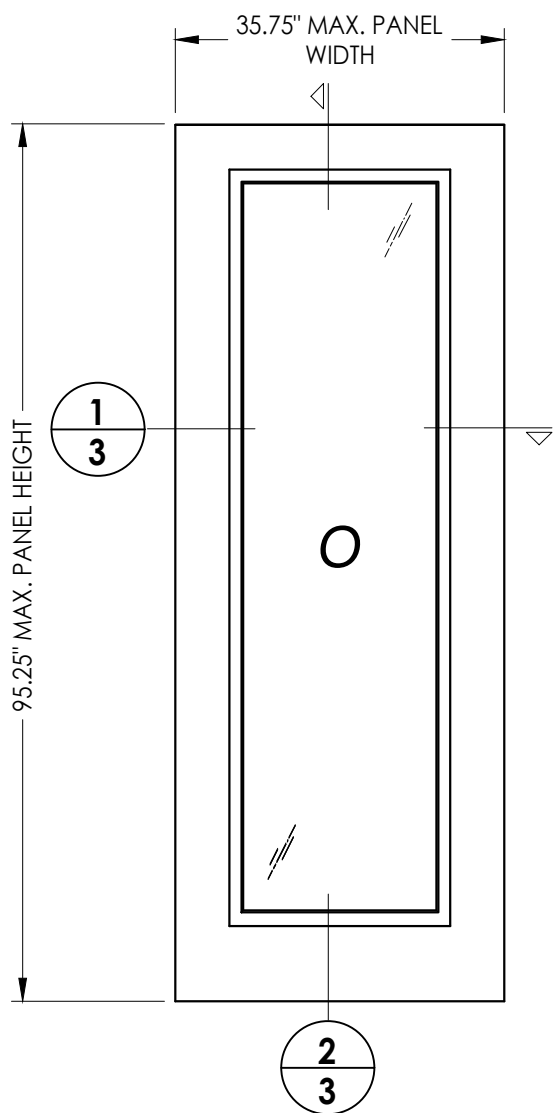
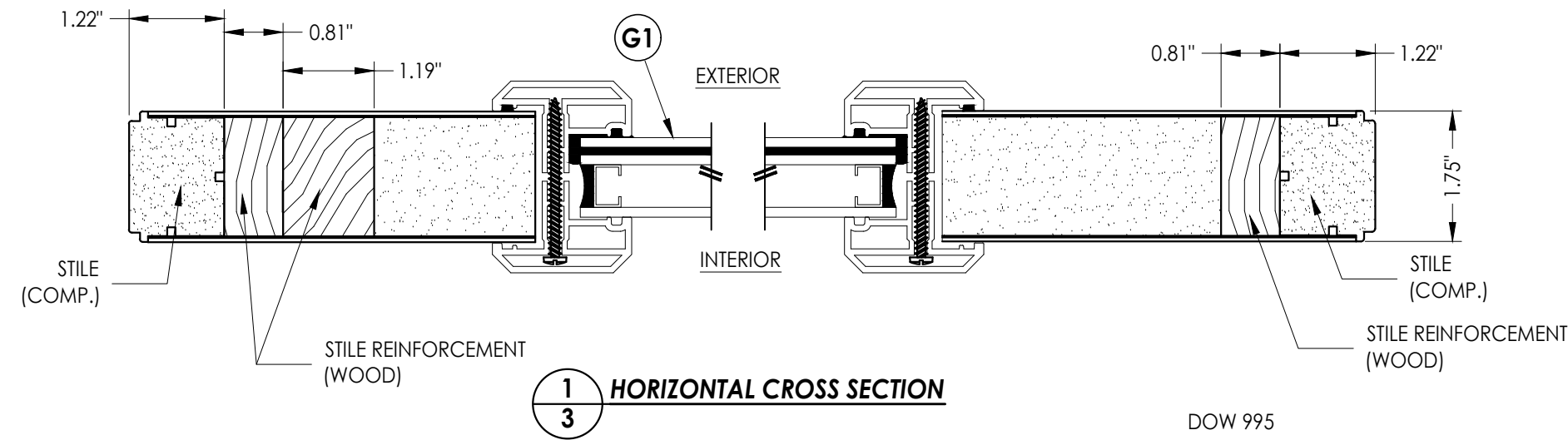
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CHK. BY: LFS

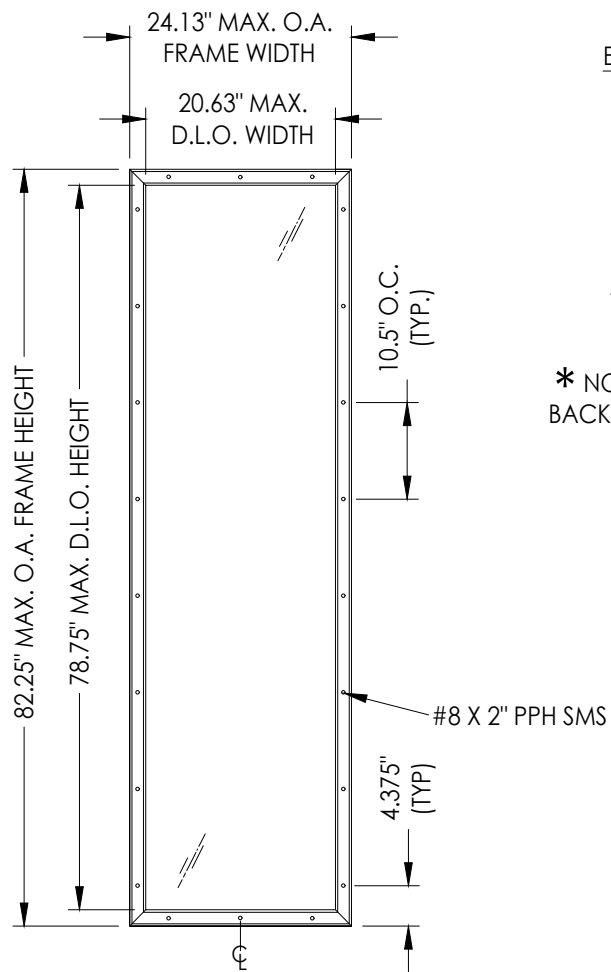
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SHEET 2 OF 11

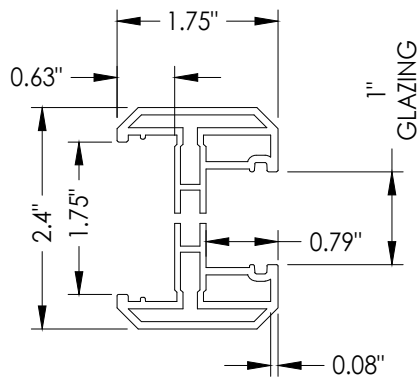
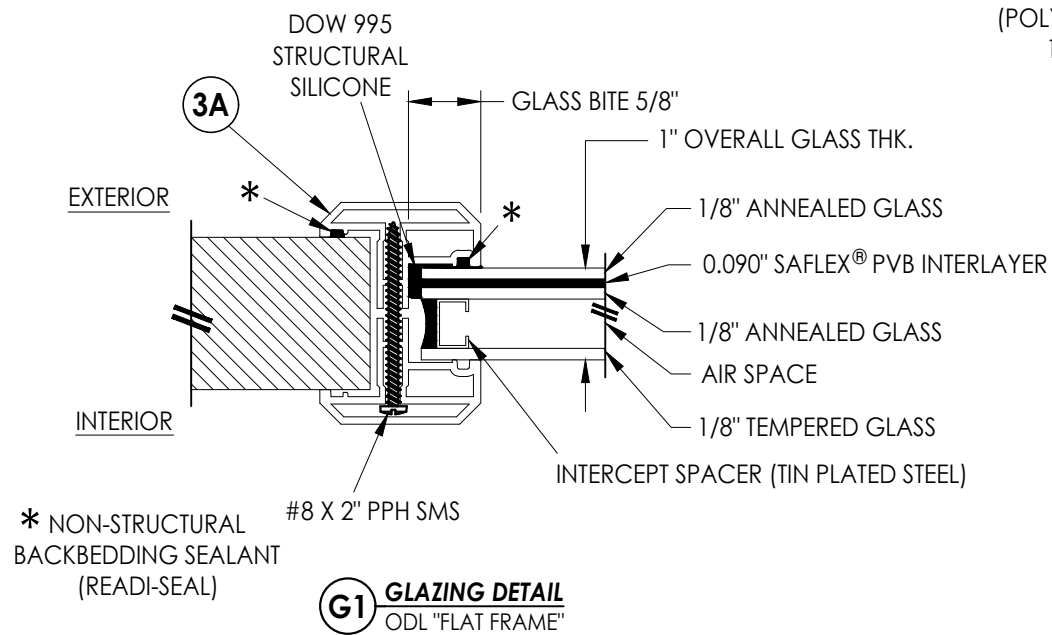
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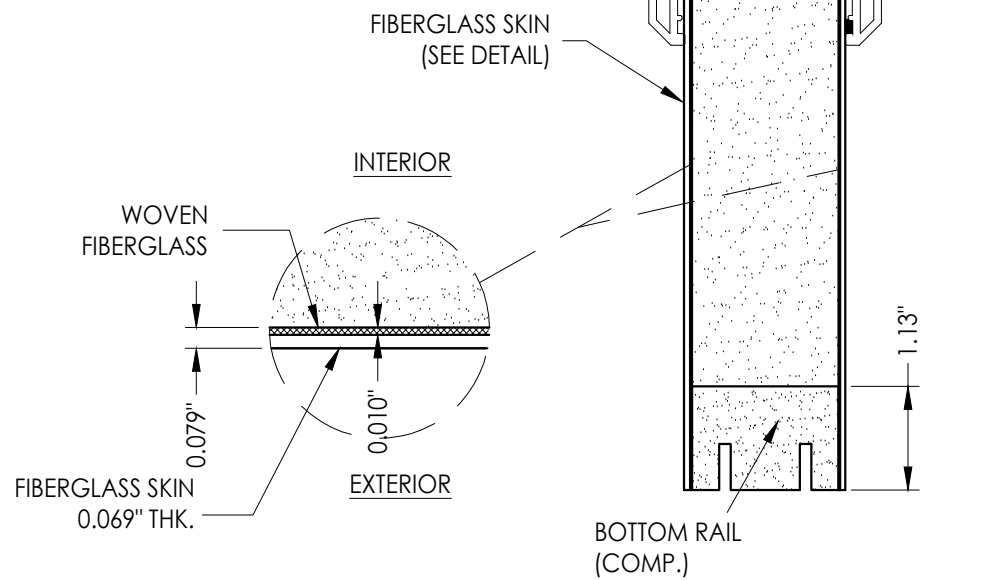
60 **SIDELITE PANEL**



ODL LITE FRAME DETAIL
"FLAT FRAME" PROFILE



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



DOOR SKIN DETAIL

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

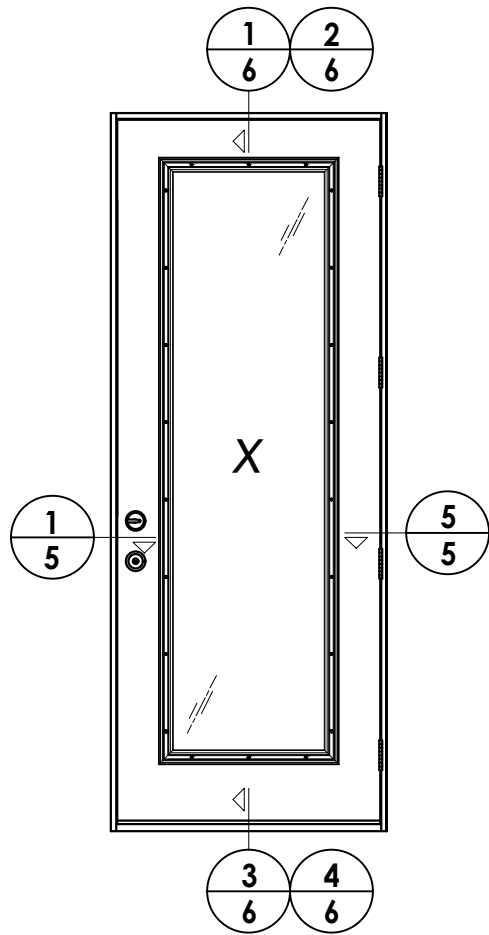
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

NO.	DATE	REVISIONS
5	8/15/23	UPDATE TO 8TH ED. (2023) FBC
4	6/28/22	ADD ADA THRESHOLD
3	7/23/20	UPDATE TO 7TH ED (2020) FBC
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

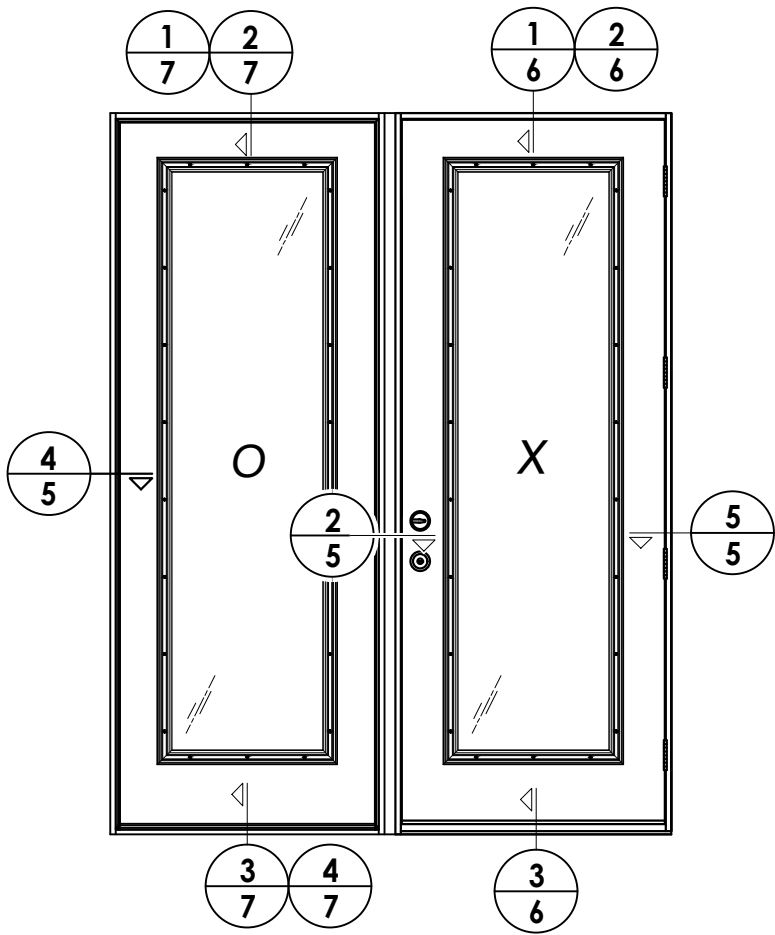
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15180.3
SHEET 3 OF 11

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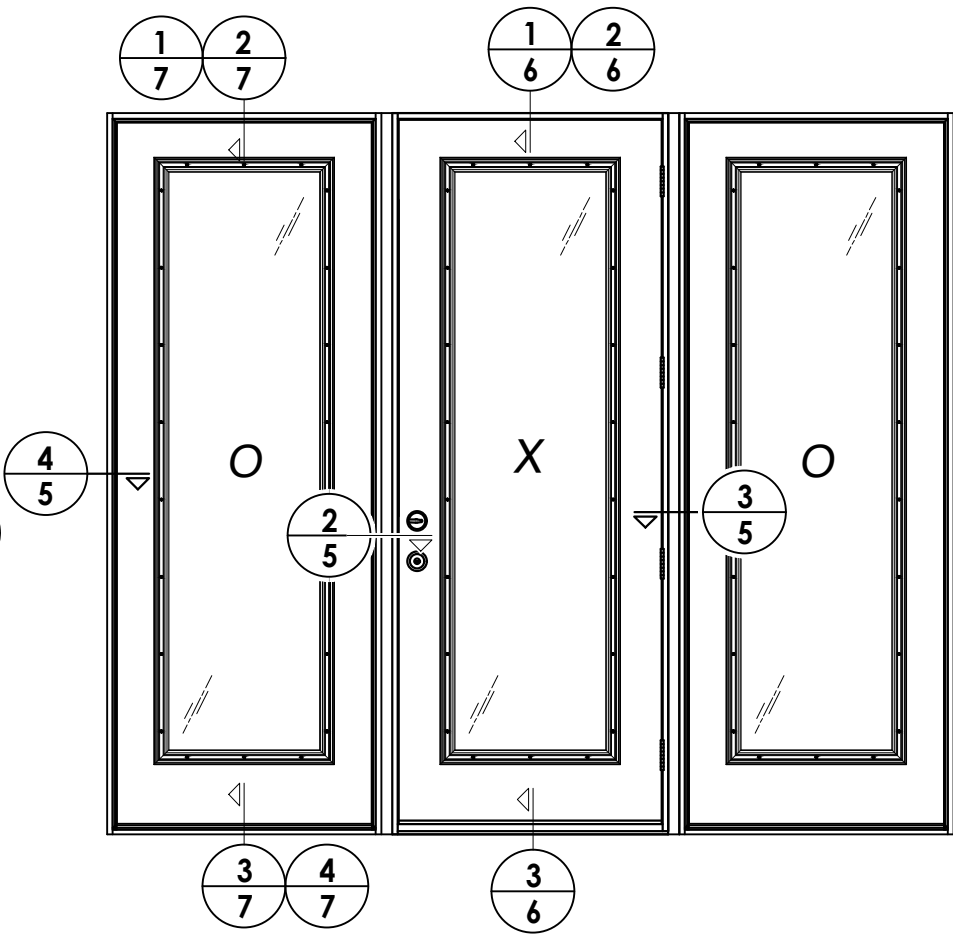
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ELEVATION (X)



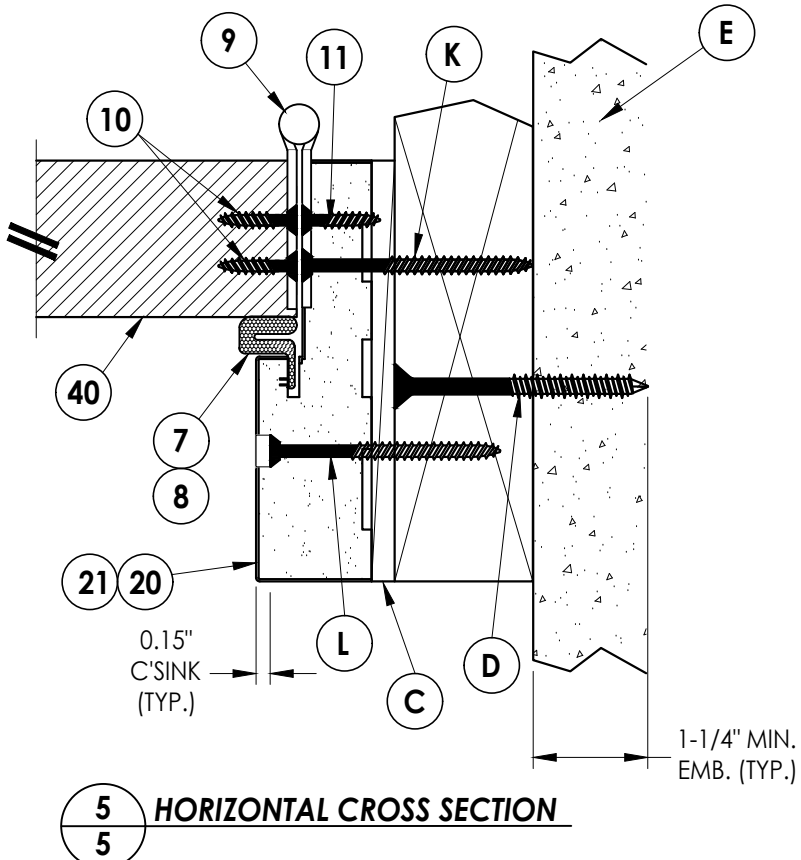
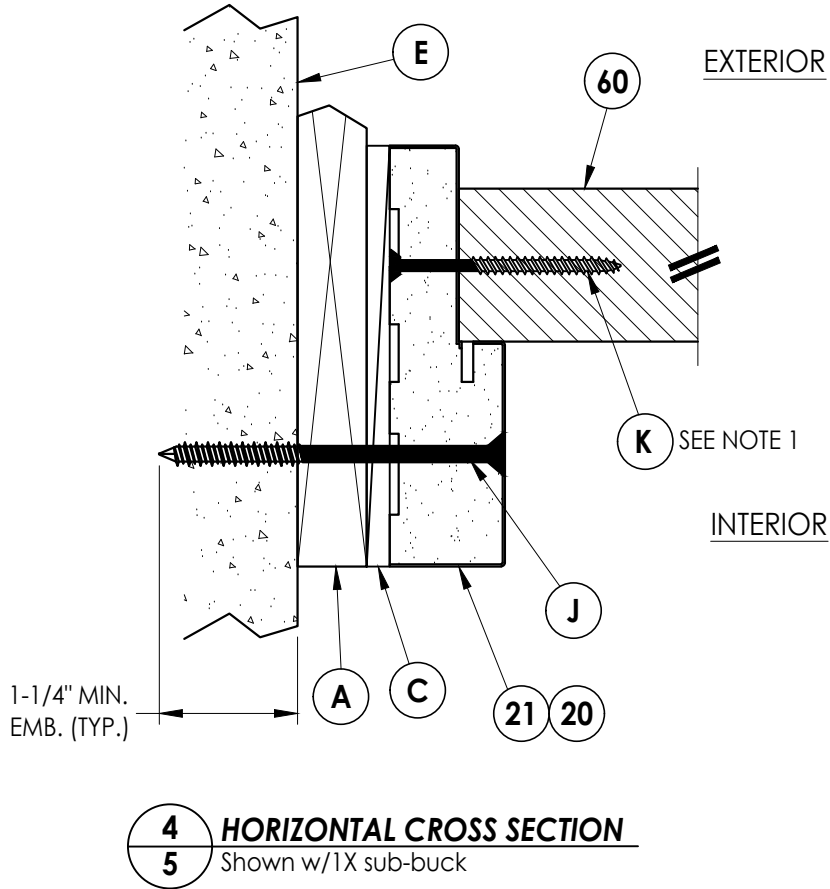
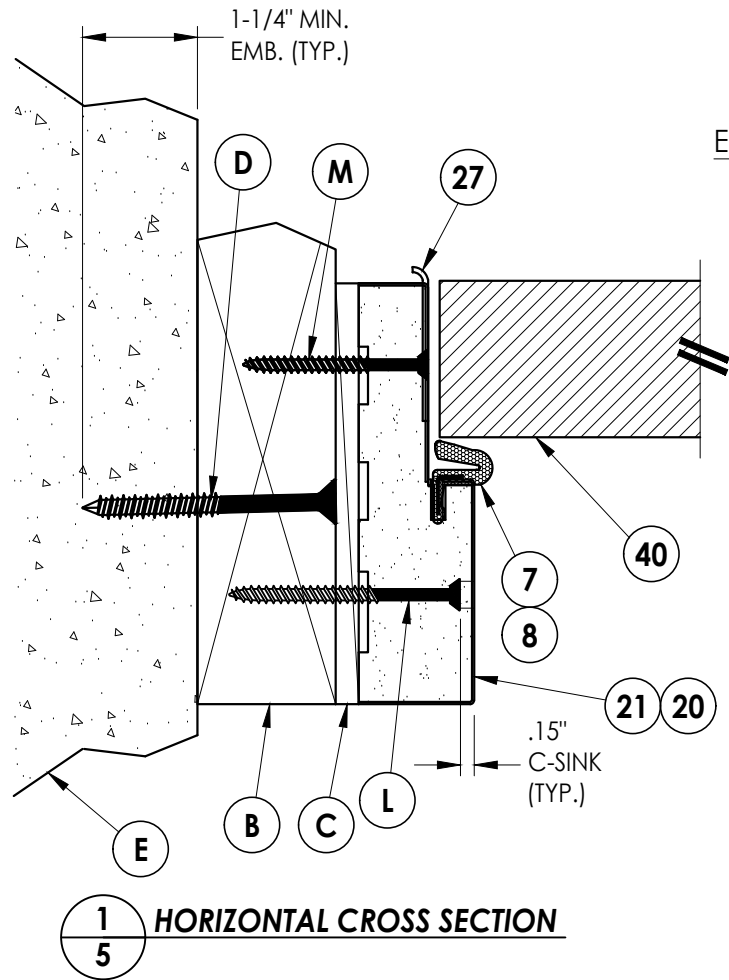
ELEVATION (XO - OX)



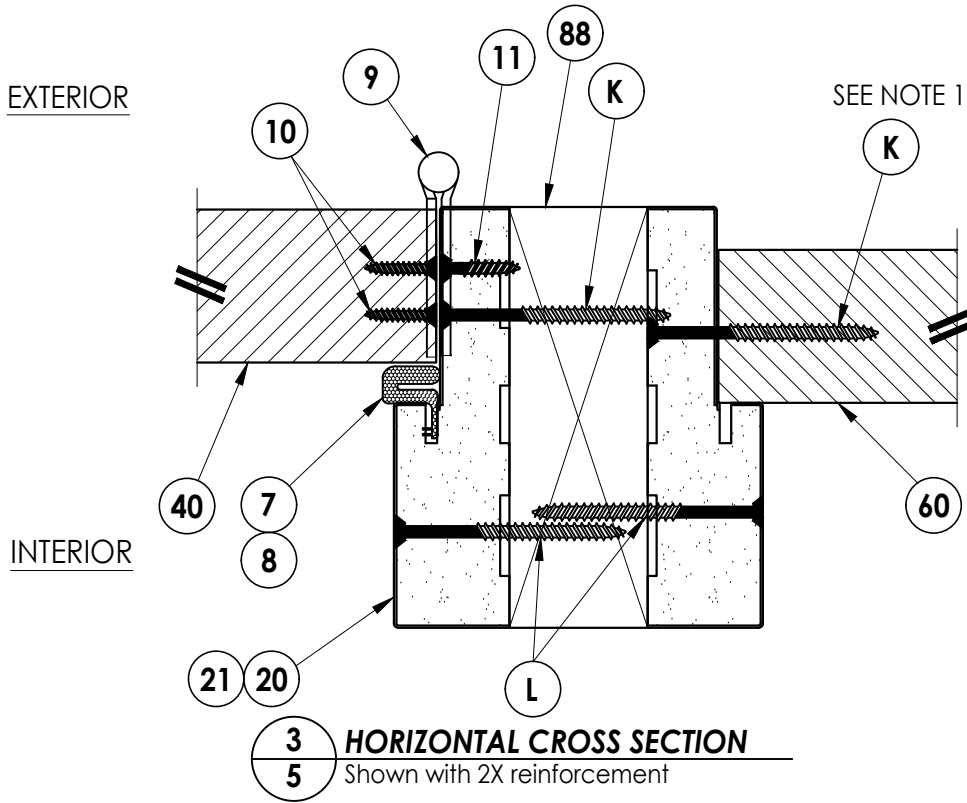
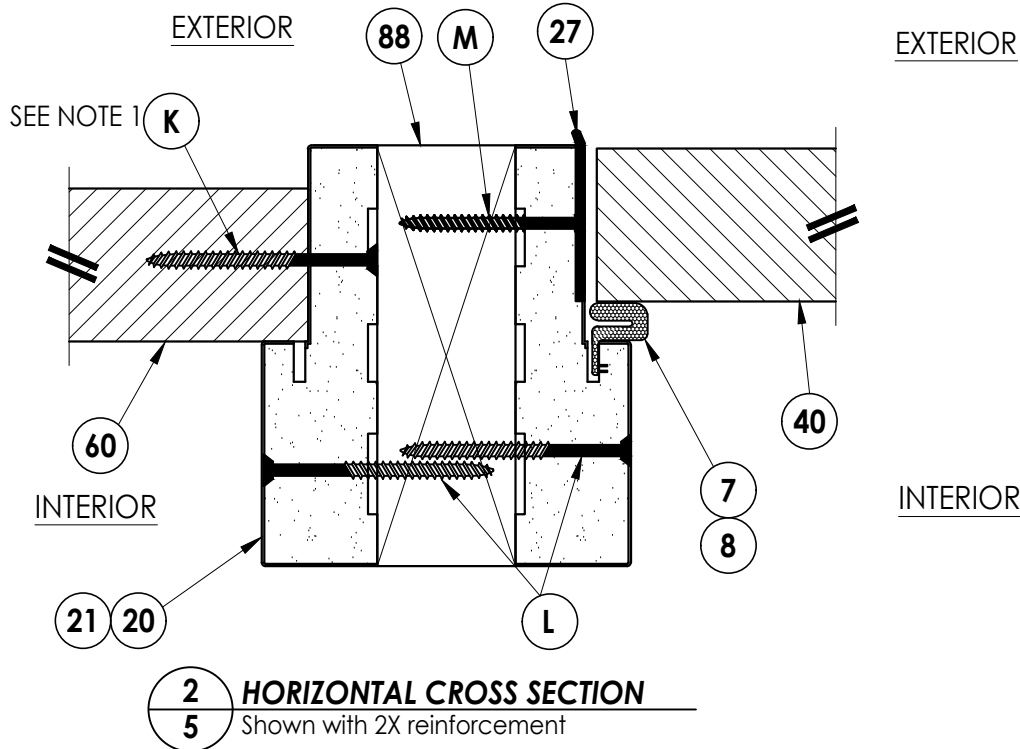
ELEVATION (OXO)

DATE: 02/21/12		DRAWING NO.: FL-15180.3		SHEET 4 OF 11	
SCALE: N.T.S.		CHK. BY: LFS		DWG. BY: JK	
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6/28/22		ADD ADA THRESHOLD		LFS	
7/23/20		UPDATE TO 7TH ED (2020)		FBC	
7/24/17		UPDATE TO 6TH ED. (2017)		FBC	
04/22/15		UPDATE TO 5TH ED. (2014)		FBC	
NO.		DATE		BY	
5		8/15/23		LFS	
4		6/28/22		LFS	
3		7/23/20		LFS	
2		7/24/17		JK	
1		04/22/15		JK	
PRODUCT:		PLASTPRO INC.		PART OR ASSEMBLY:	
		FIBERGLASS DOOR		ELEVATIONS	
Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
© 2010 R.W. BUILDING CONSULTANTS INC.		R.W. BUILDING CONSULTANTS, INC.		P.O. Box 230, Valrico, FL 33595	
				Phone No.: 813.659.9197	
				FBPE Registry No. 9813	

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



Documents Prepared By:
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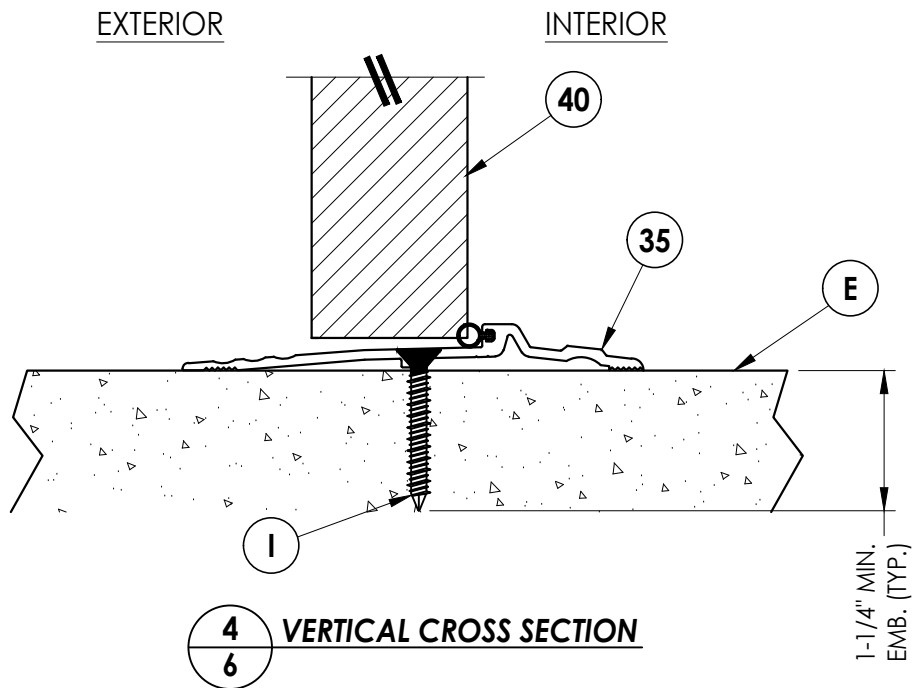
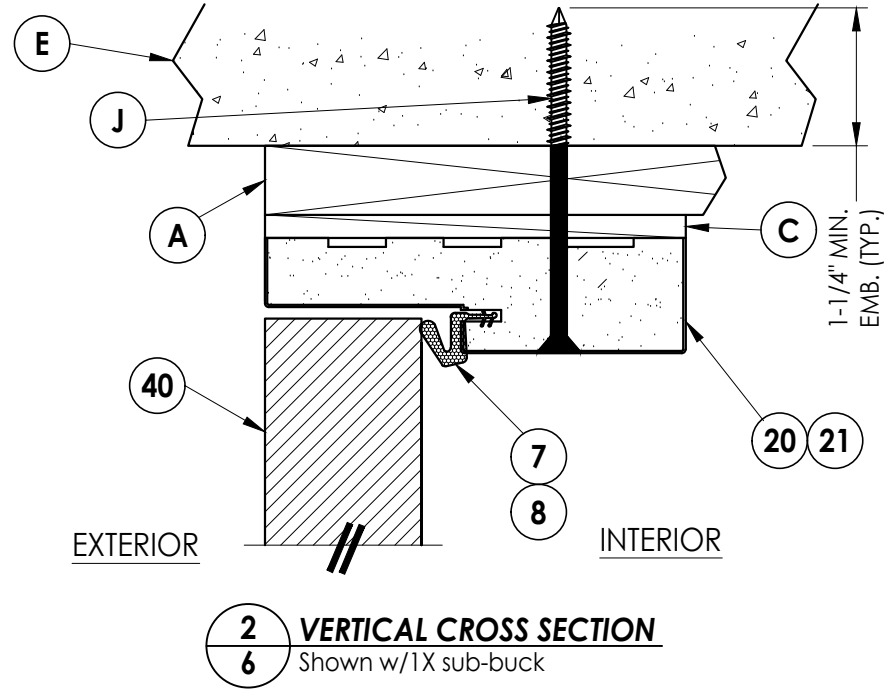
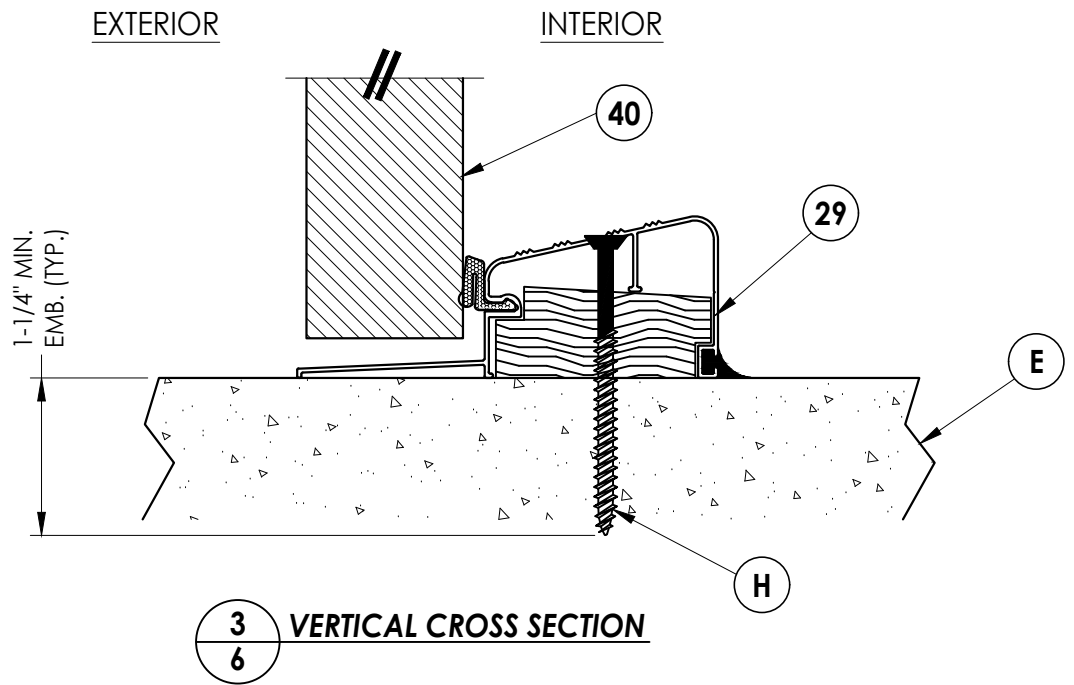
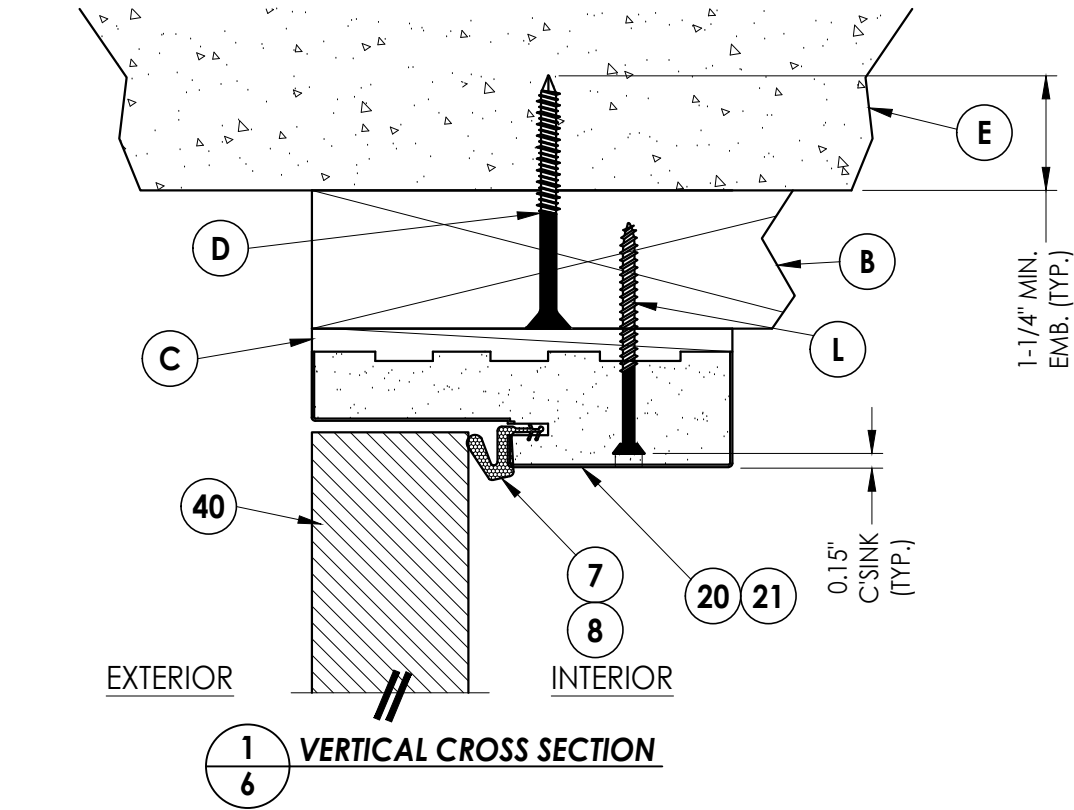
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	8/15/23	UPDATE TO 8TH ED. (2023) FBC
4	6/28/22	ADD ADA THRESHOLD
3	7/23/20	UPDATE TO 7TH ED (2020) FBC
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 02/21/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-15180.3
SHEET 5 OF 11

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FBPE Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
5	8/15/23	UPDATE TO 8TH ED. (2023) FBC
4	6/28/22	ADD ADA THRESHOLD
3	7/23/20	UPDATE TO 7TH ED (2020) FBC
2	7/24/17	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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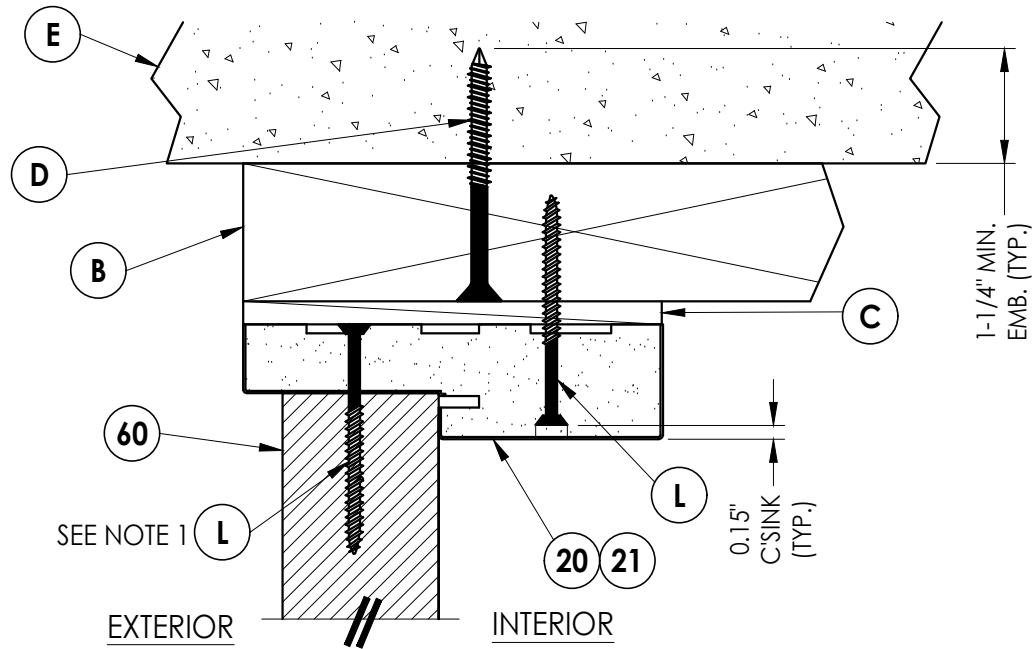
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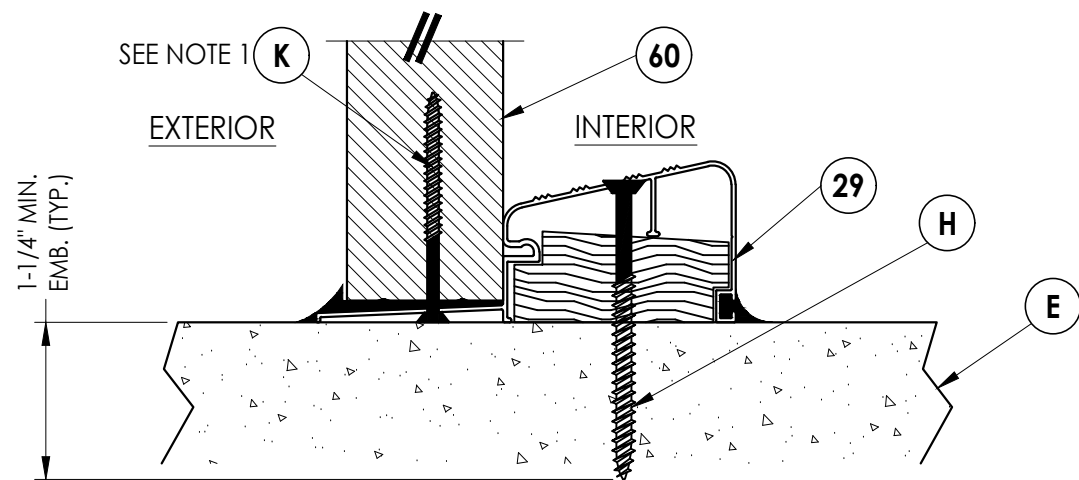
FL-15180.3

SHEET 6 OF 11

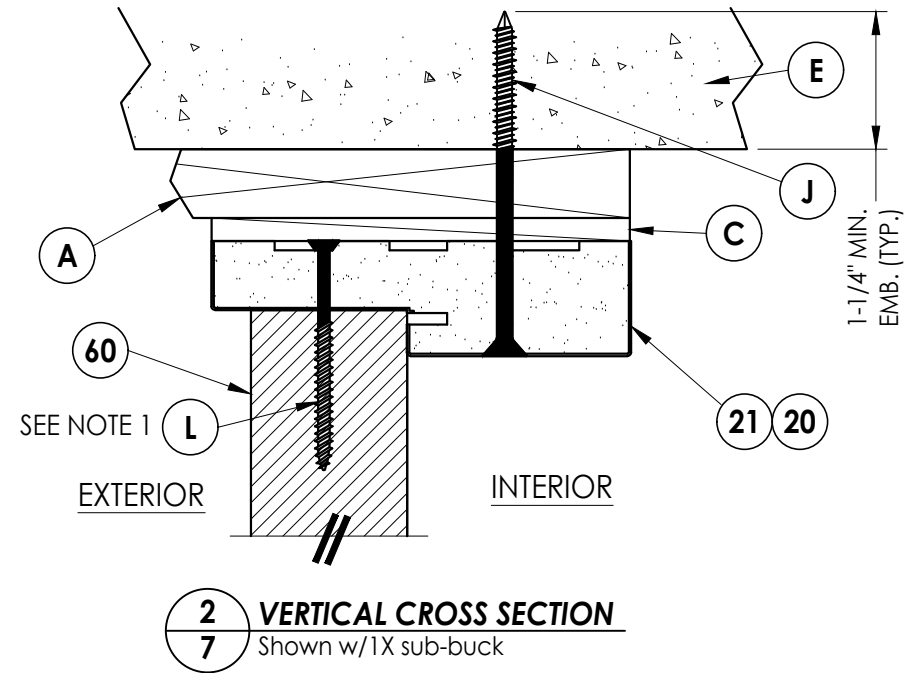
NOTE:
1. Spacing for item K: 6" from each end and at centerline (3 total).



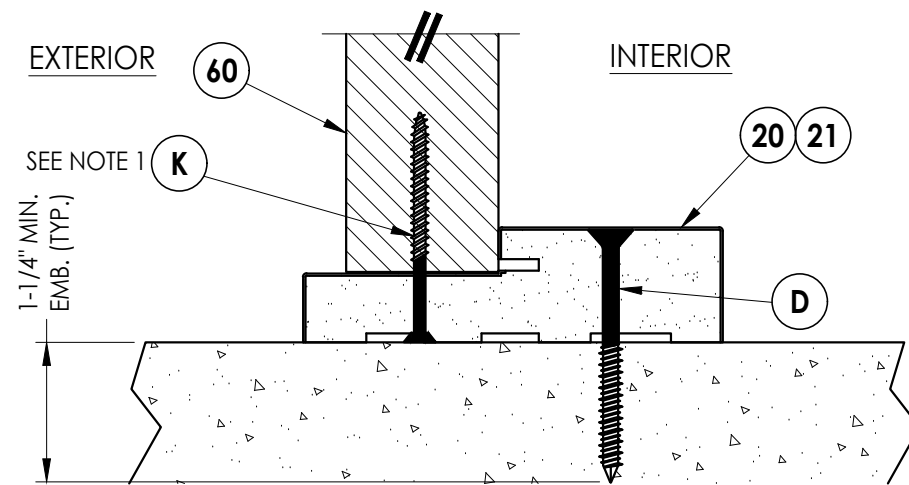
1
7 **VERTICAL CROSS SECTION**



3 VERTICAL CROSS SECTION
7



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



4 **VERTICAL CROSS SECTION**

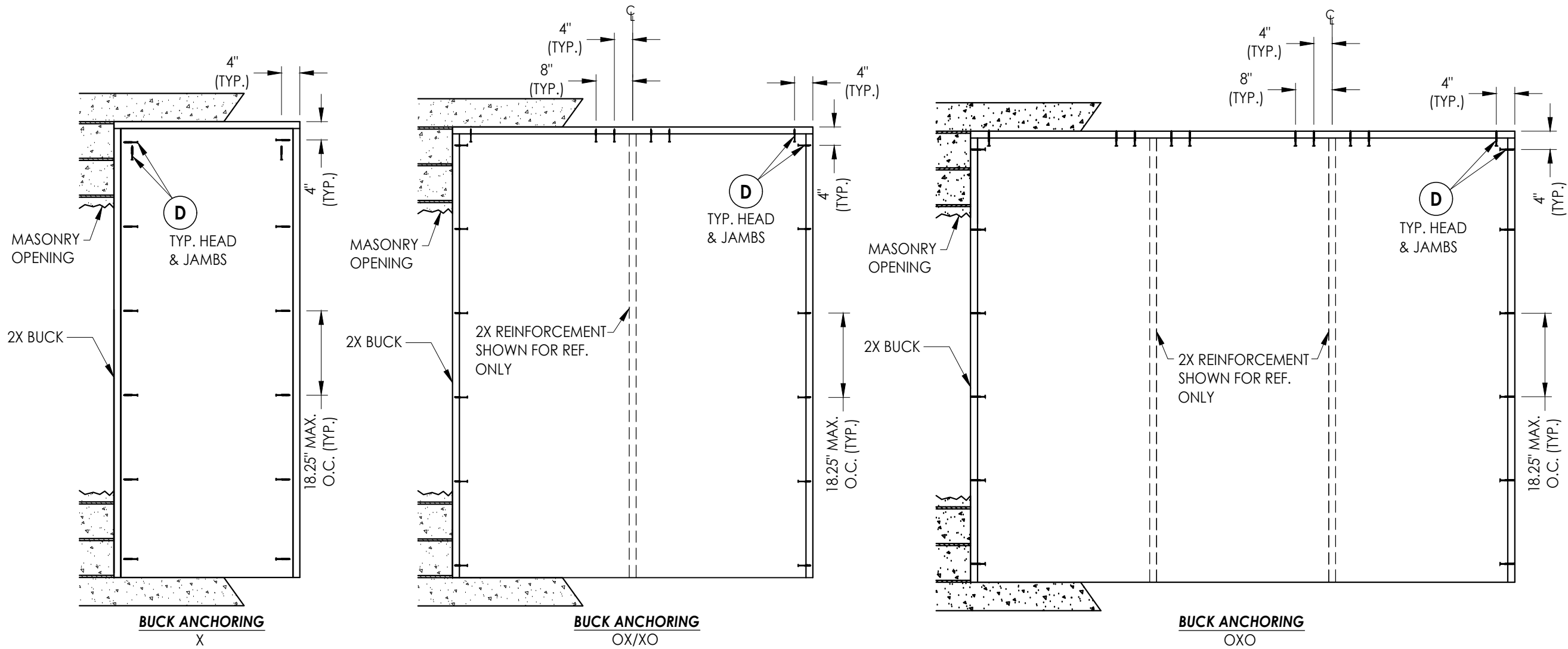
DATE:	02/21/12		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-15180.3		
SHEET	7	OF	11

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

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

NO.	DATE	REVISIONS
5	8/15/23	UPDATE TO 8TH ED. (2023) FBC
4	6/28/22	ADD ADA THRESHOLD
3	7/23/20	UPDATE TO 7TH ED (2020) FBC
2	7/24/17	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

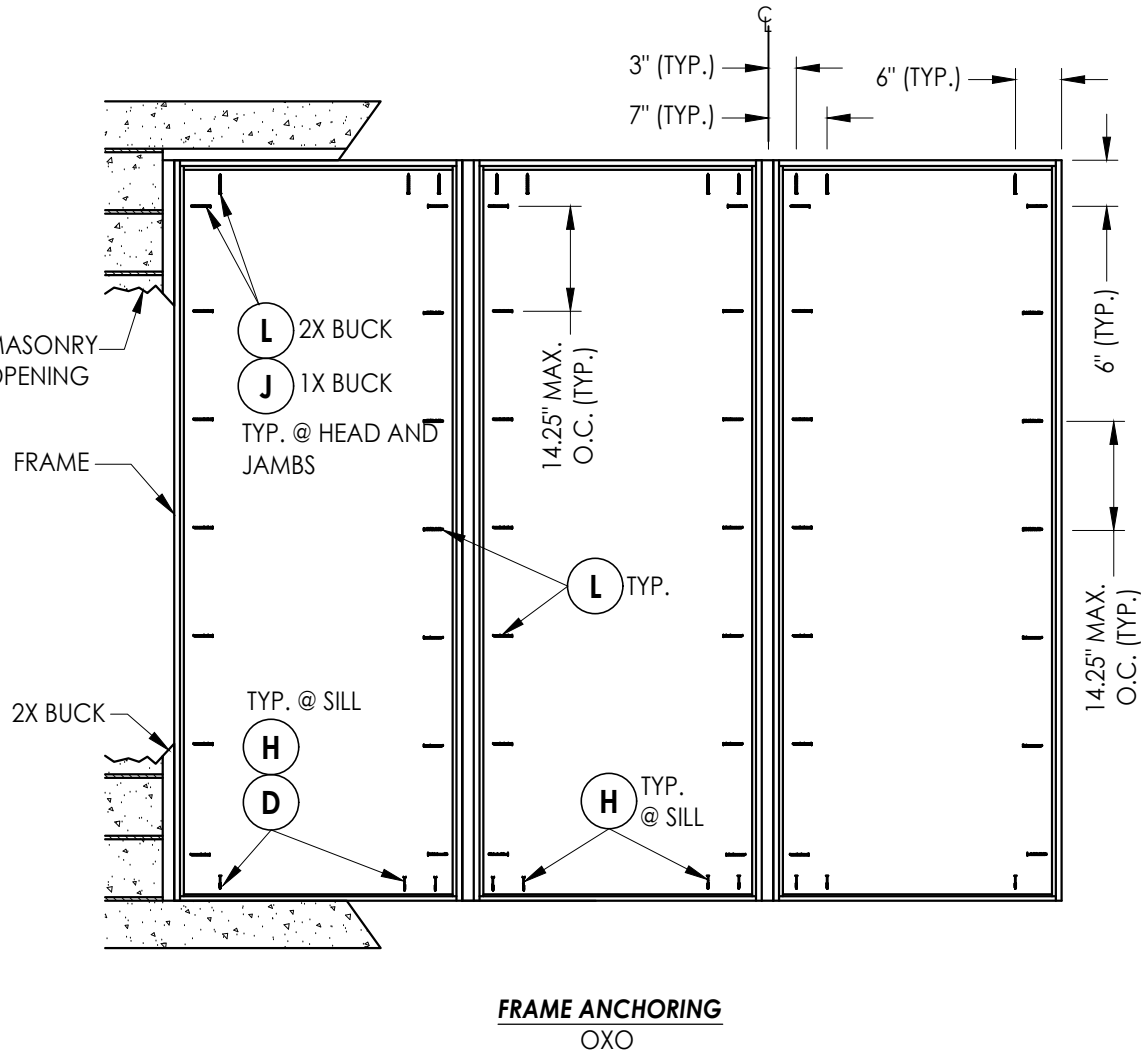
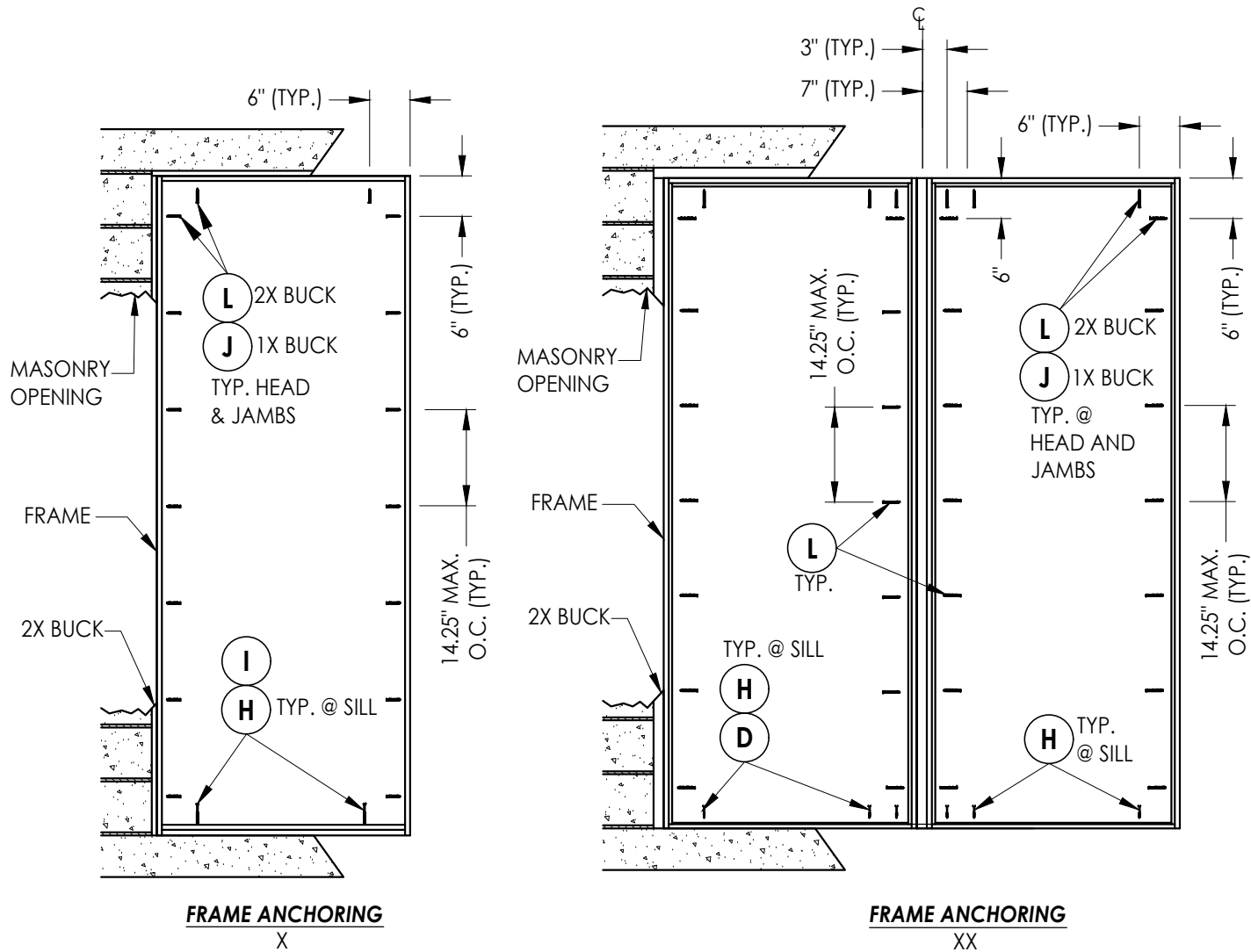
DRAWING NO.:

FL-15180.3

SHEET 8 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 ULTRA-CON®	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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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
5	8/15/23	UPDATE TO 8TH ED. (2023) FBC
4	6/28/22	ADD ADA THRESHOLD
3	7/23/20	UPDATE TO 7TH ED (2020) FBC
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DATE: 02/21/12

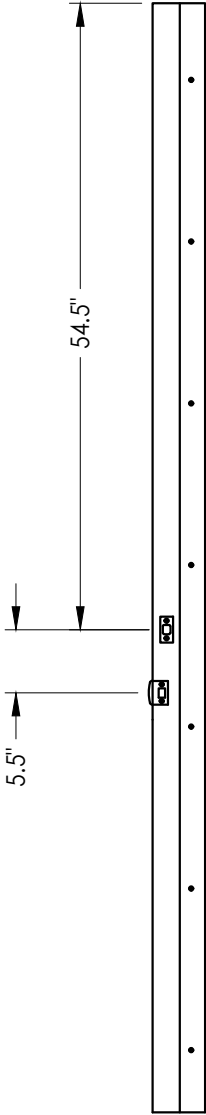
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DWG. BY: JK

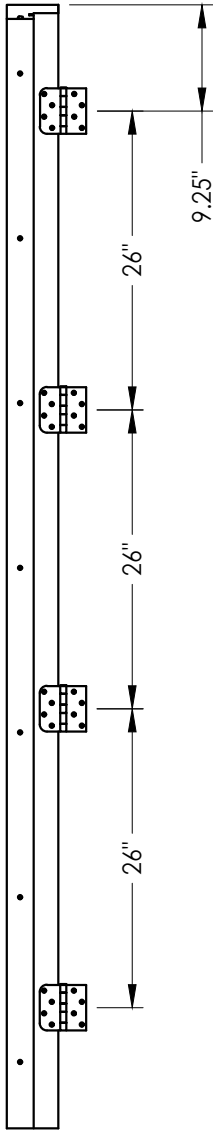
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DRAWING NO.:
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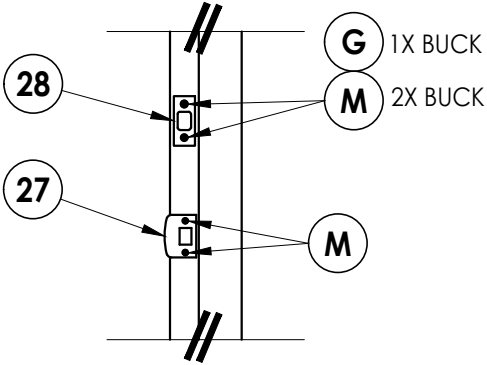
SHEET 9 OF 11



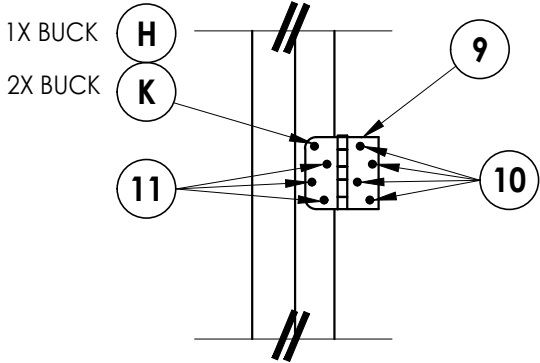
STRIKE JAMB



HINGE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL

DATE:	02/21/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15180.3
SHEET	10 OF 11

NO.	DATE	REVISIONS
5	8/15/23	UPDATE TO 8TH ED. (2023) FBC
4	6/28/22	ADD ADA THRESHOLD
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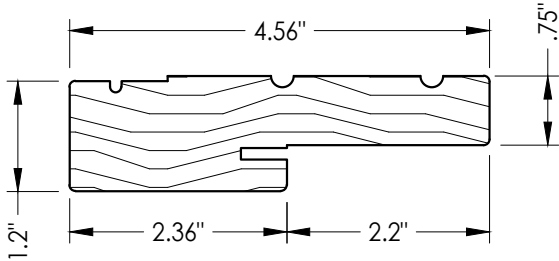
PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	HAREWARE DETAILS

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

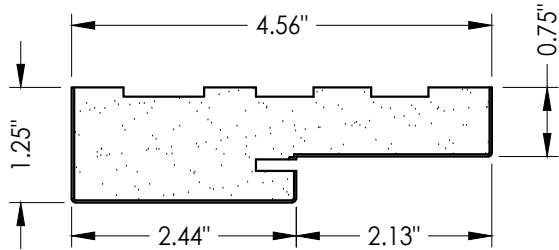
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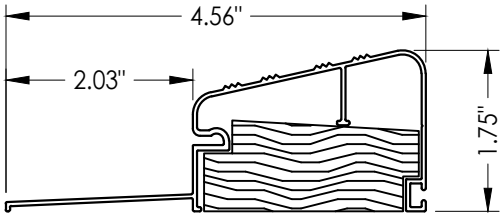
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" 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
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	OUTSWING THRESHOLD	ALUM/WOOD
35	ADA 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



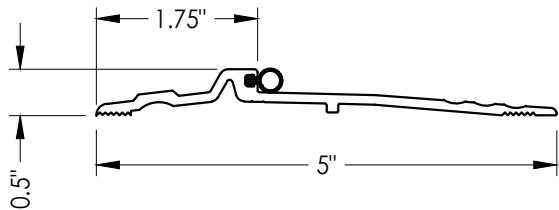
20 HEAD & SIDE
Jamb



21 HEAD & SIDE
Poly fiber jamb



29 OUTSWING THRESHOLD
DLP (QOSR)



35 ADA THRESHOLD
NGP 896V

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 Registry No. 9813	
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
5	8/15/23	UPDATE TO 8TH ED. (2023)	FBC
4	6/28/22	ADD ADA THRESHOLD	LFS
3	7/23/20	UPDATE TO 7TH ED (2020)	FBC
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC
1	04/22/15	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-15180.3			
SHEET 11 OF 11			