

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

GENERAL NOTES

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 is required to be protected with an impact resistant covering that complies with Section 1626 of the FBC.
4.

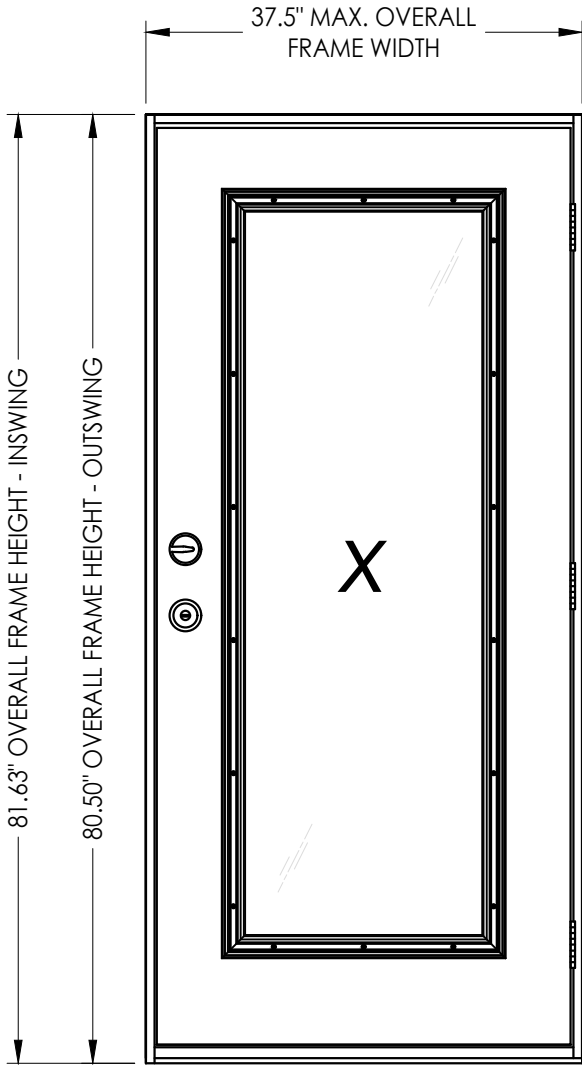
When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
5.

For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6.

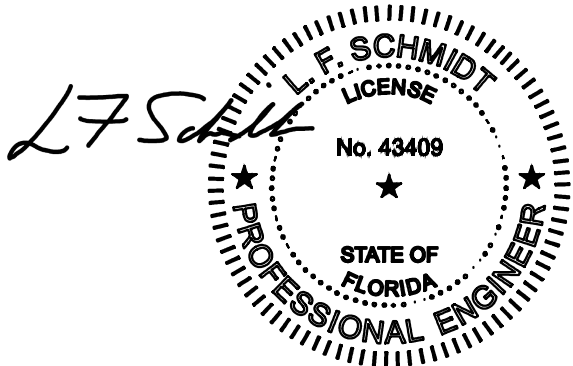
Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7.

Outswing configurations (using sill Items #30 & 34) 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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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
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6	Vertical Cross Sections (Thresholds)
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8	Buck and Frame Anchoring
9	Bill of Materials & Components



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
37.5" X 81.63"	20.5" X 62.75"	G1	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.14 13:46:25 -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

PRODUCT:

PLASTPRO INC.
FIBERGLASS DOOR

Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15220.1

SHEET 1 OF 9

5

8/14/23

UPDATE TO 8TH ED. (2023)

FBC

LFS

4

6/28/22

ADD ADA THRESHOLDS

LFS

3

7/27/20

UPDATE TO 7TH ED (2020)

FBC

LFS

2

08/02/17

UPDATE TO 6TH ED. (2017)

FBC

JK

1

04/22/15

UPDATE TO 5TH ED. (2014)

FBC

JK

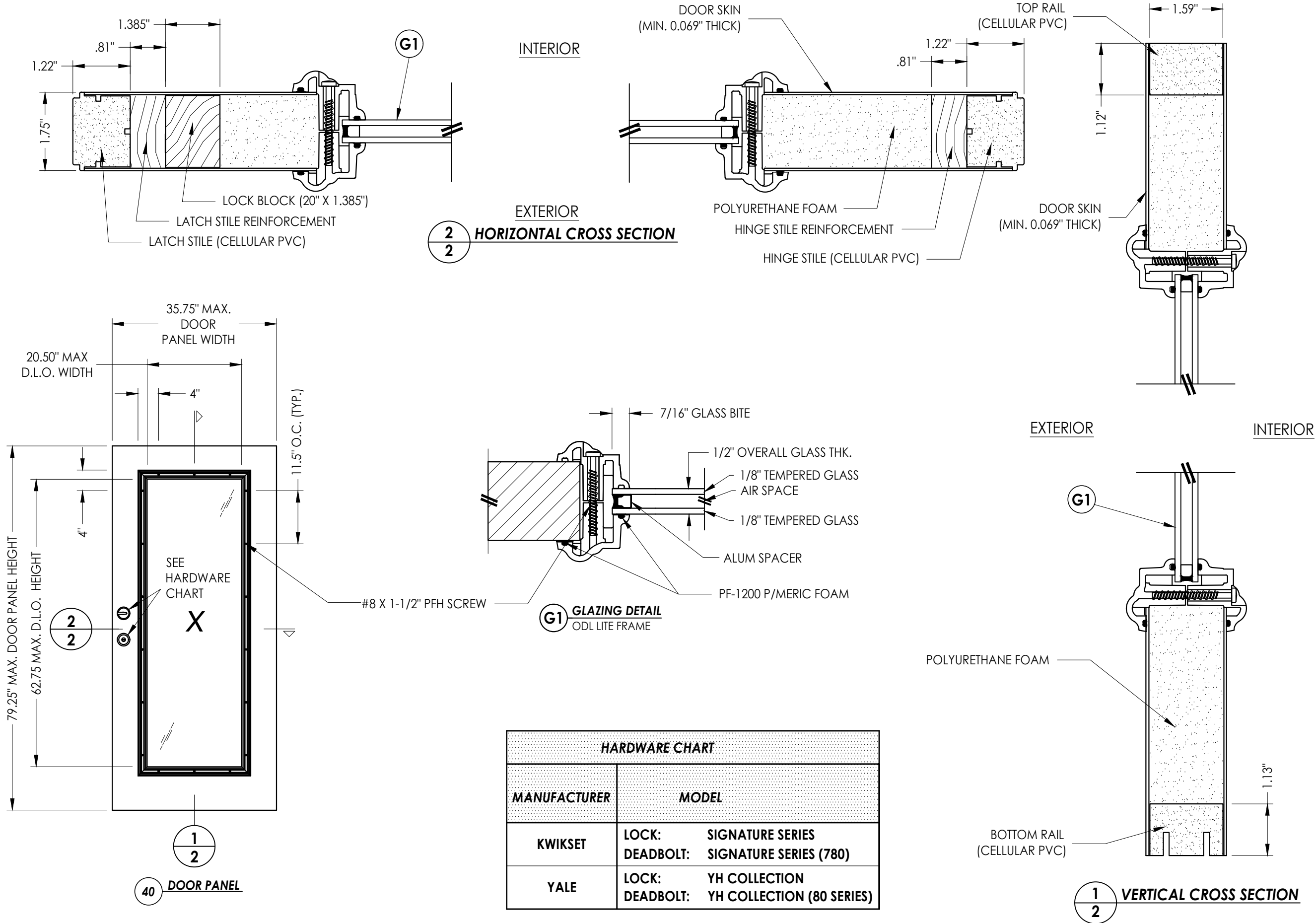
NO.

DATE

BY

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

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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 Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS
AND GLAZING DETAIL

5	8/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	6/28/22	ADD ADA THRESHOLDS		LFS
3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	08/02/17	UPDATE TO 6TH ED. (2017)	FBC	JK
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY
REVISIONS				

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

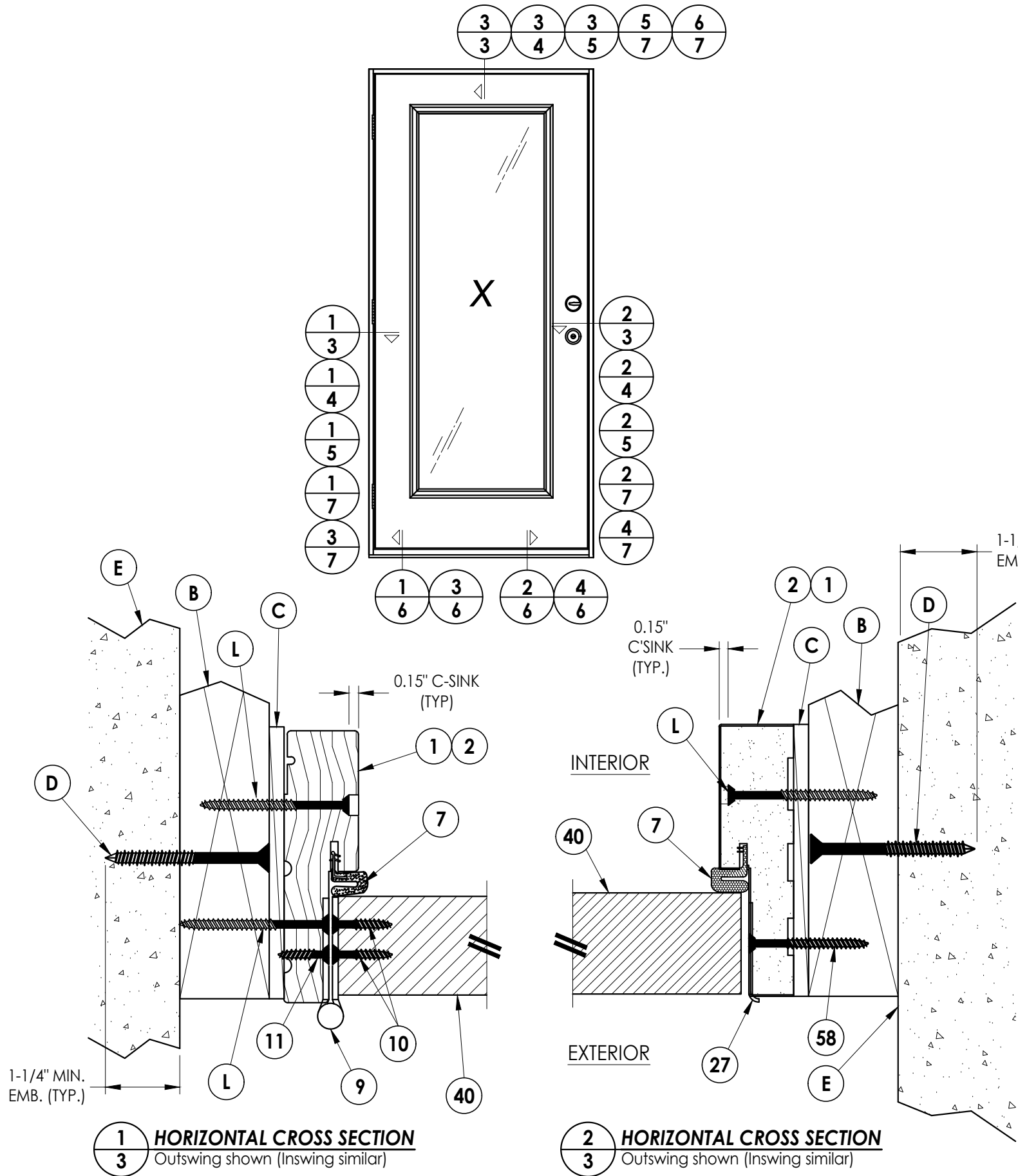
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DRAWING NO.:

FL-15220.1

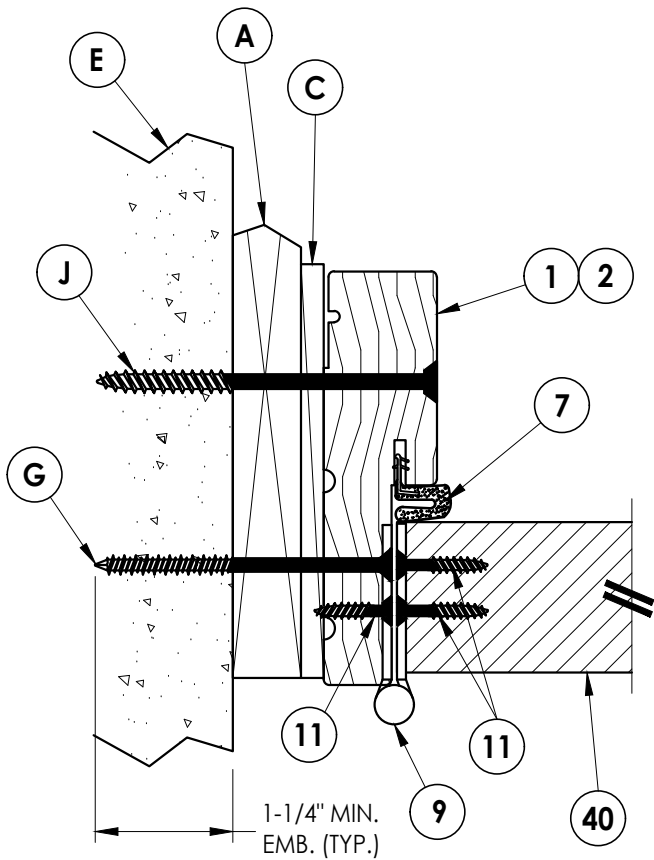
SHEET 2 OF 9

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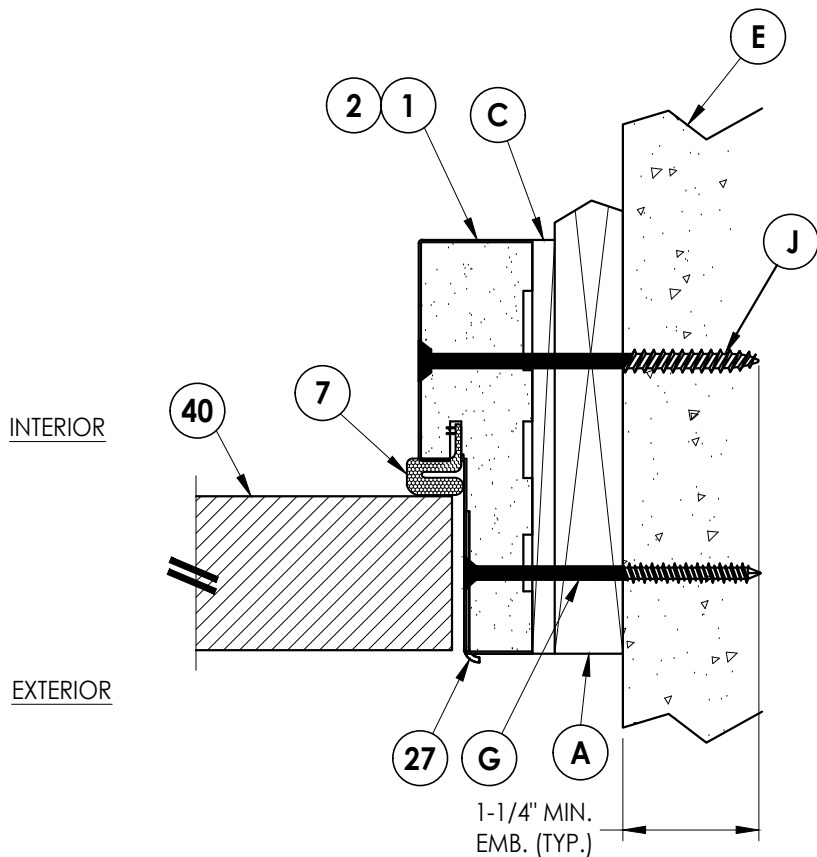


PRODUCT: PLASTPRO INC. FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)		BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
NO.	DATE	REVISIONS	
5	8/14/23	UPDATE TO 8TH ED. (2023)	FBC
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DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15220.1			
SHEET 3 OF 9			

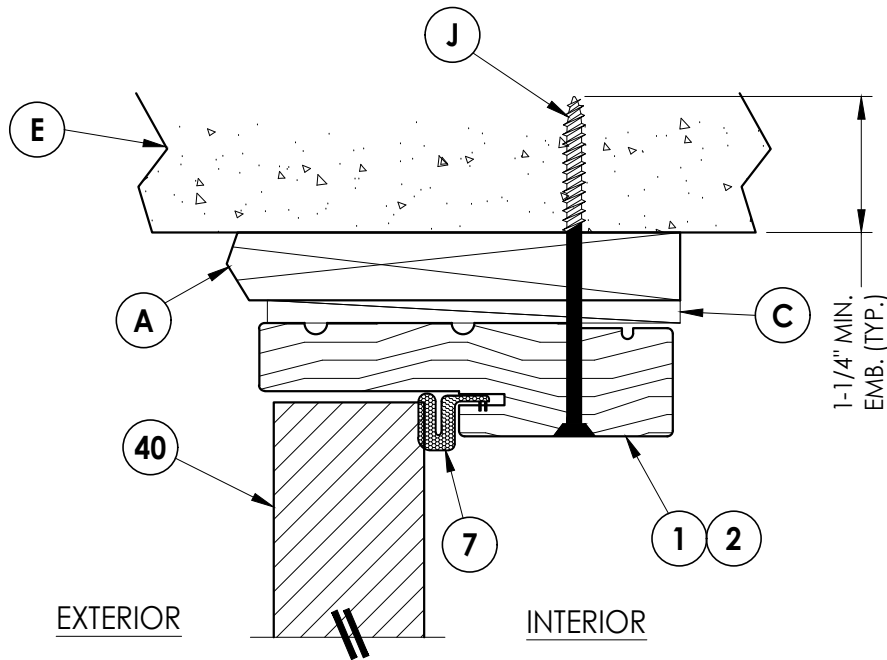
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1
4 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

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FIBERGLASS DOOR

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CHK. BY: LFS

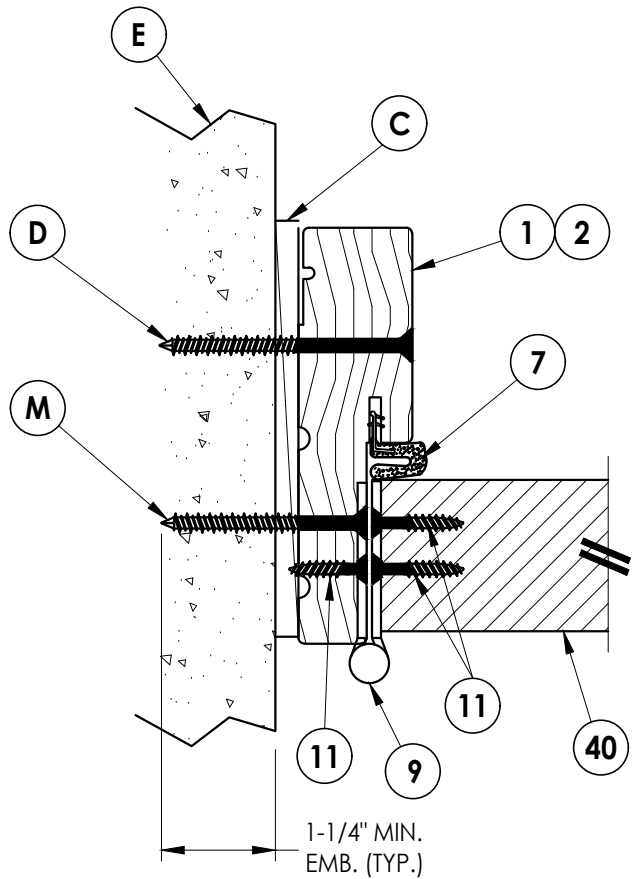
DRAWING NO.:
FL-15220.1

SHEET 4 OF 9

RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

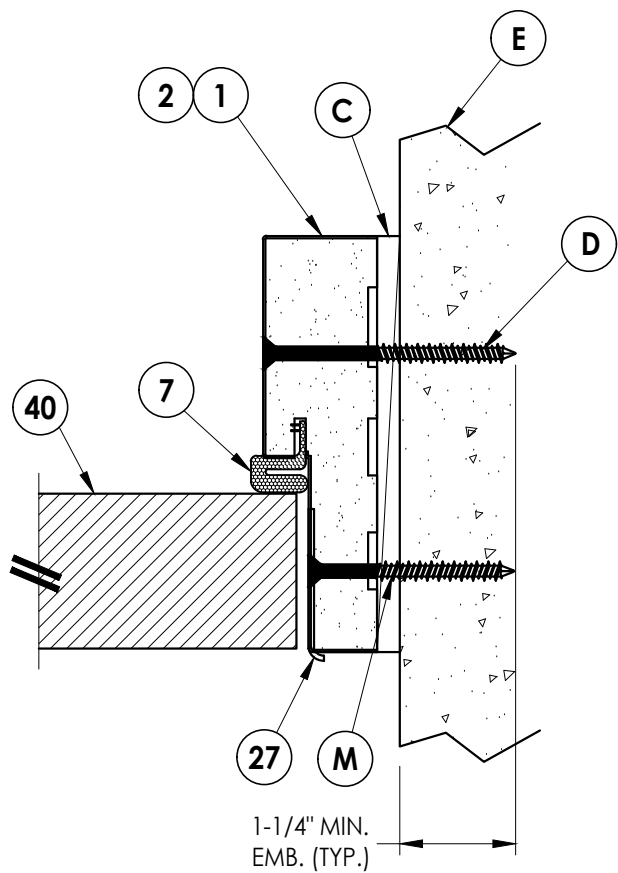
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

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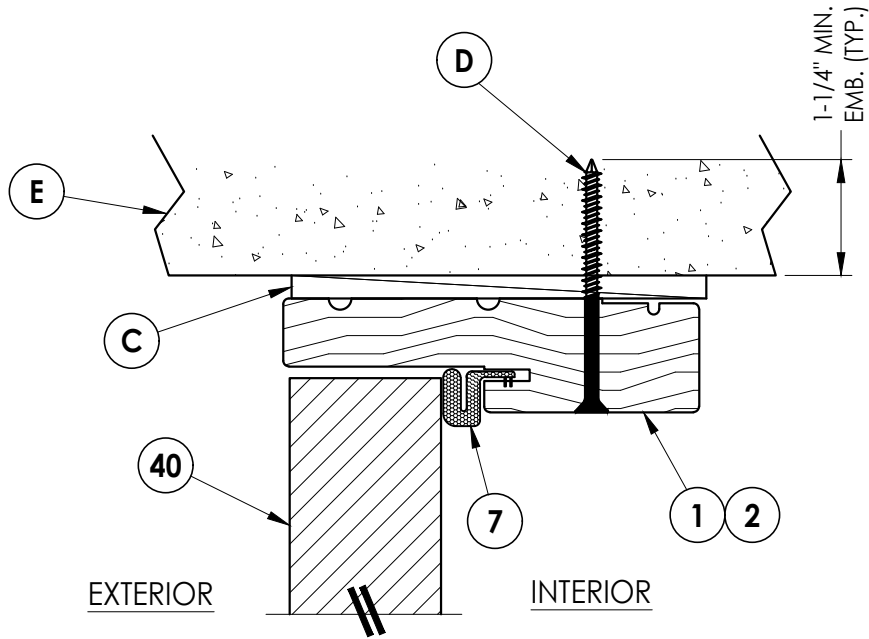


1 **HORIZONTAL CROSS SECTION**
5 Shown Direct to Masonry
Outswing shown (Inswing similar)

INTERIOR
EXTERIOR



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)

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15220.1

SHEET 5 OF 9

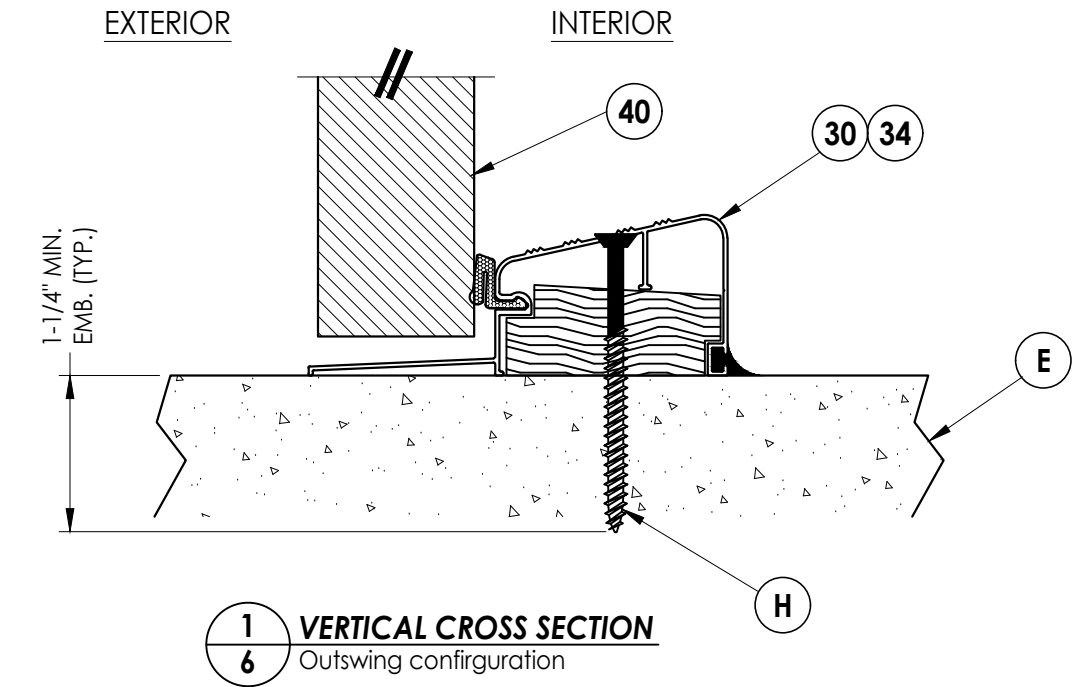
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PLASTPRO INC.
FIBERGLASS DOOR

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

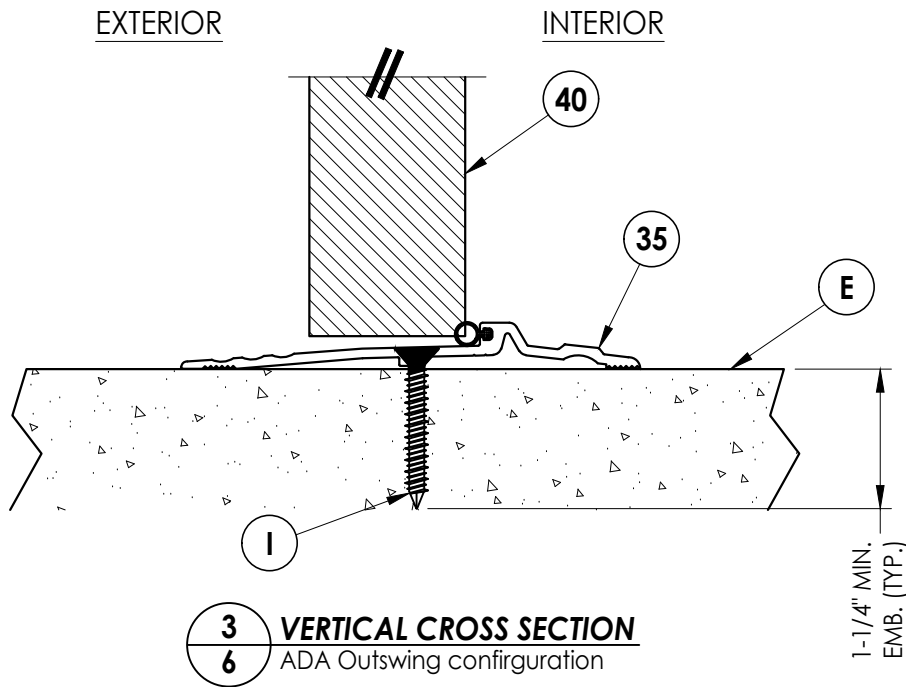
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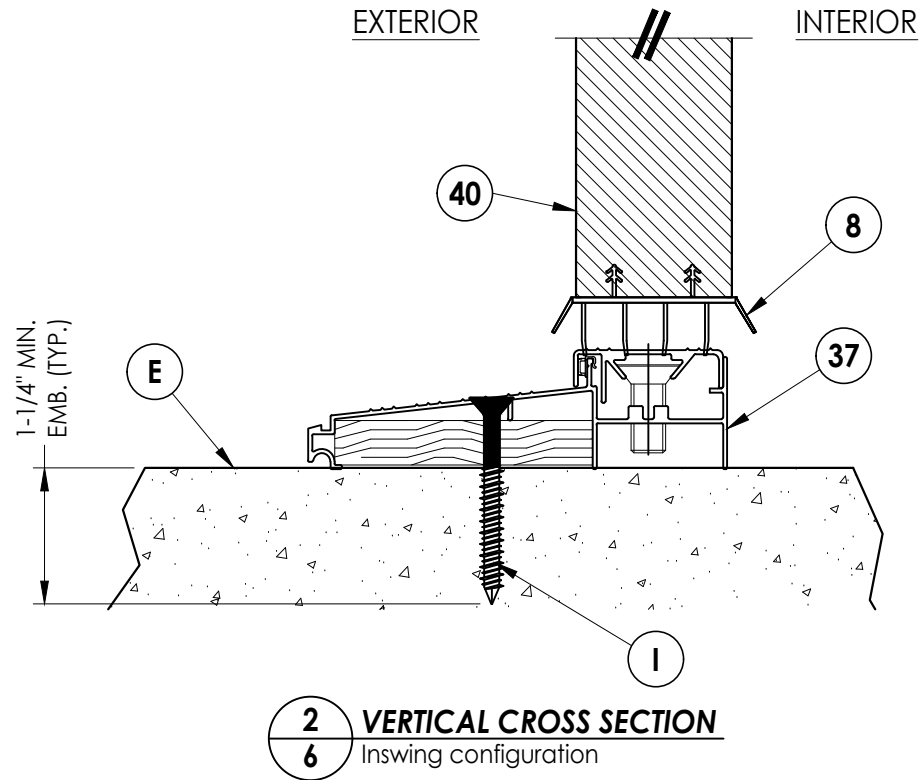
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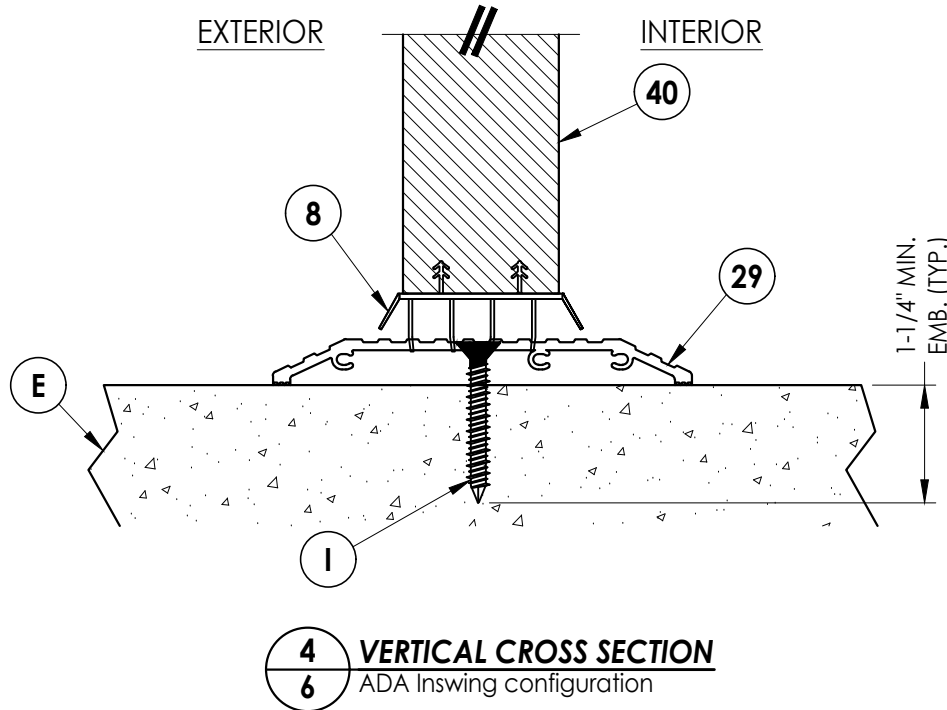
1
6 VERTICAL CROSS SECTION
Outswing configuration



3
6 VERTICAL CROSS SECTION
ADA Outswing configuration



2
6 VERTICAL CROSS SECTION
Inswing configuration



4
6 VERTICAL CROSS SECTION
ADA Inswing configuration

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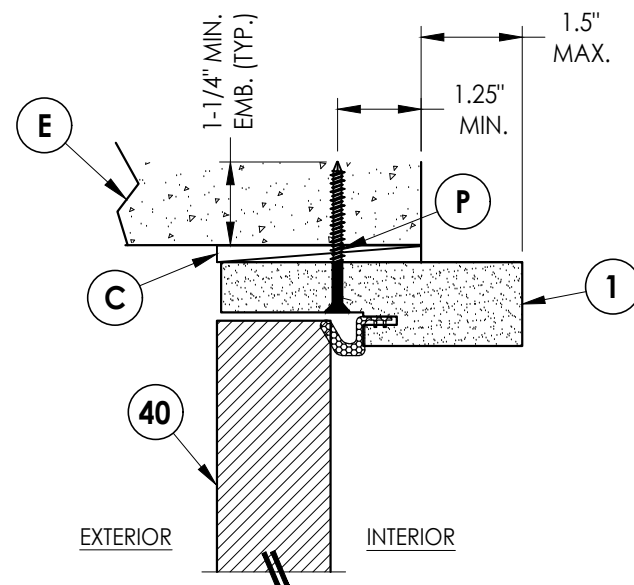
R^W BUILDING CONSULTANTS, INC.
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PLASTPRO INC.
FIBERGLASS DOOR

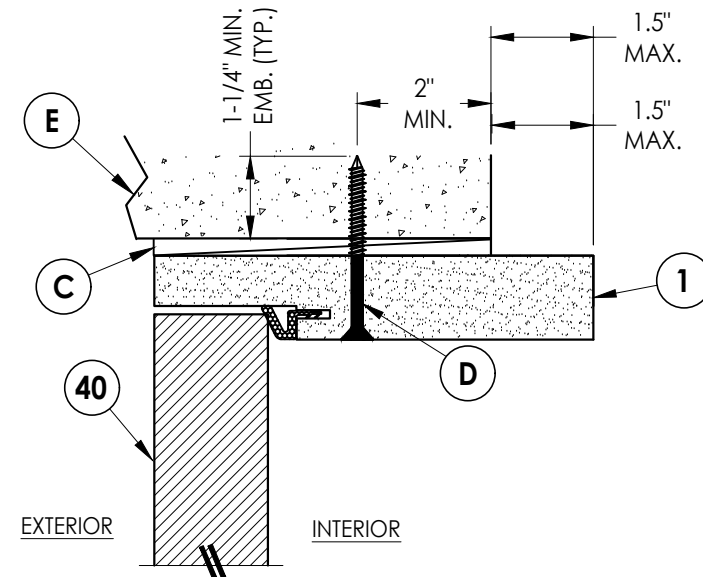
PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
5	8/14/23	UPDATE TO 8TH ED. (2023) FBC
4	6/28/22	ADD ADA THRESHOLDS
3	7/27/20	UPDATE TO 7TH ED (2020) FBC
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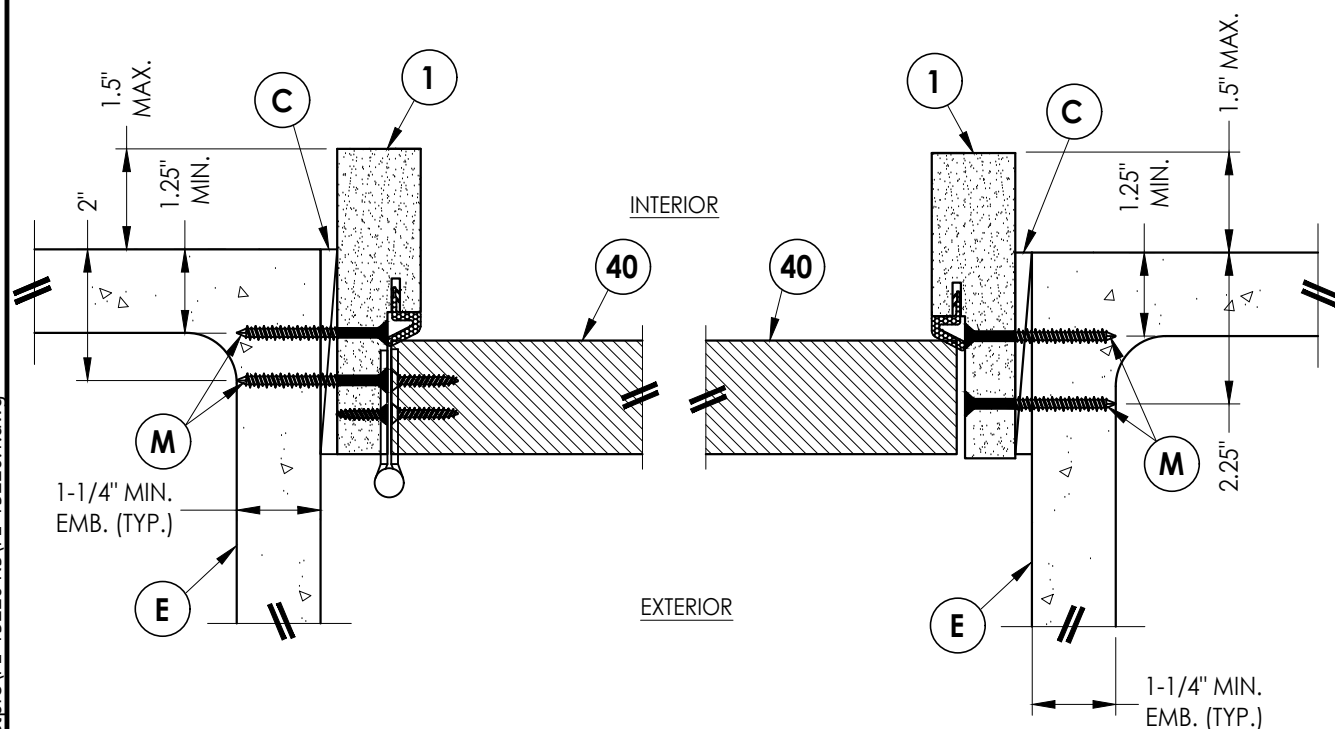
DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-15220.1
SHEET 6 OF 9



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



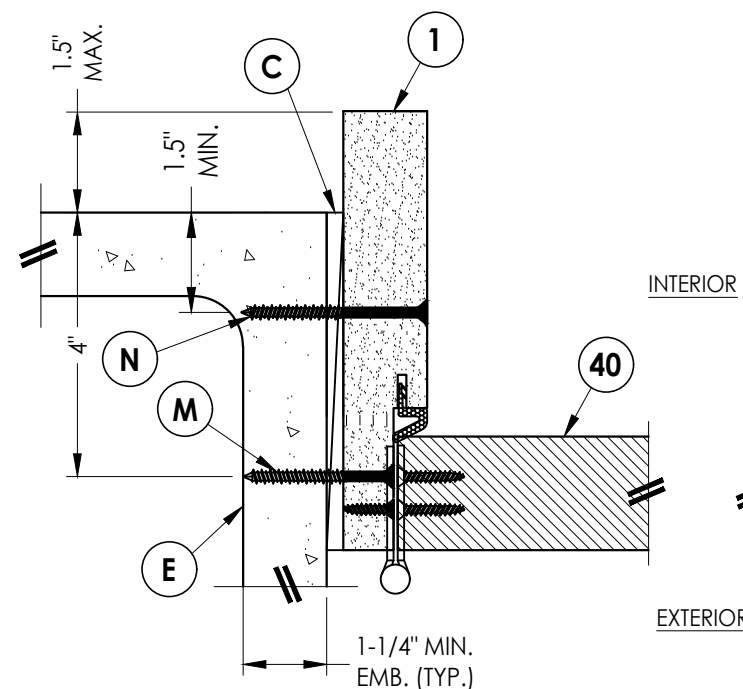
6 VERTICAL CROSS SECTION
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



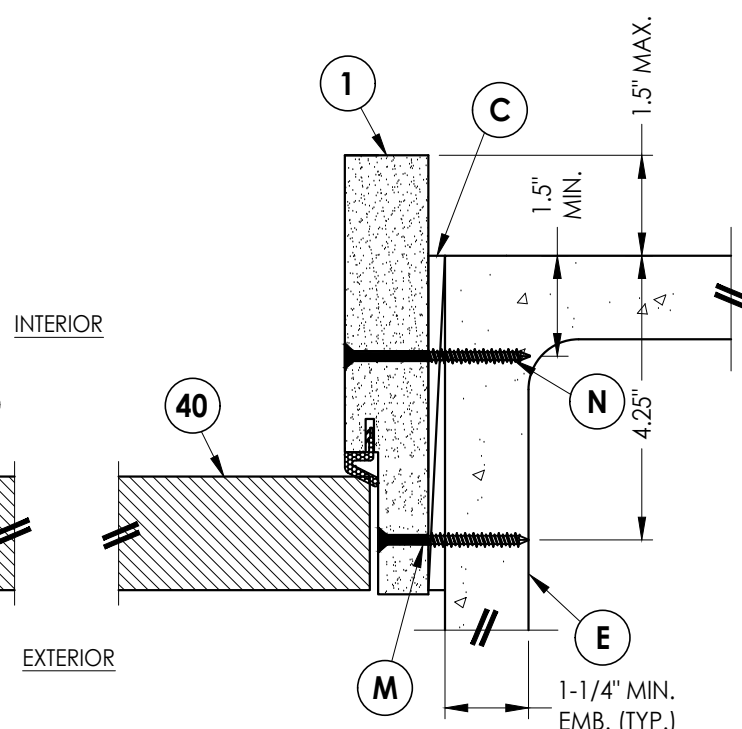
1 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

2 7 **HORIZONTAL CROSS SECTION**

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

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLADD DOOR

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

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SCALE: *N.T.S.*

DWG. BY: JK

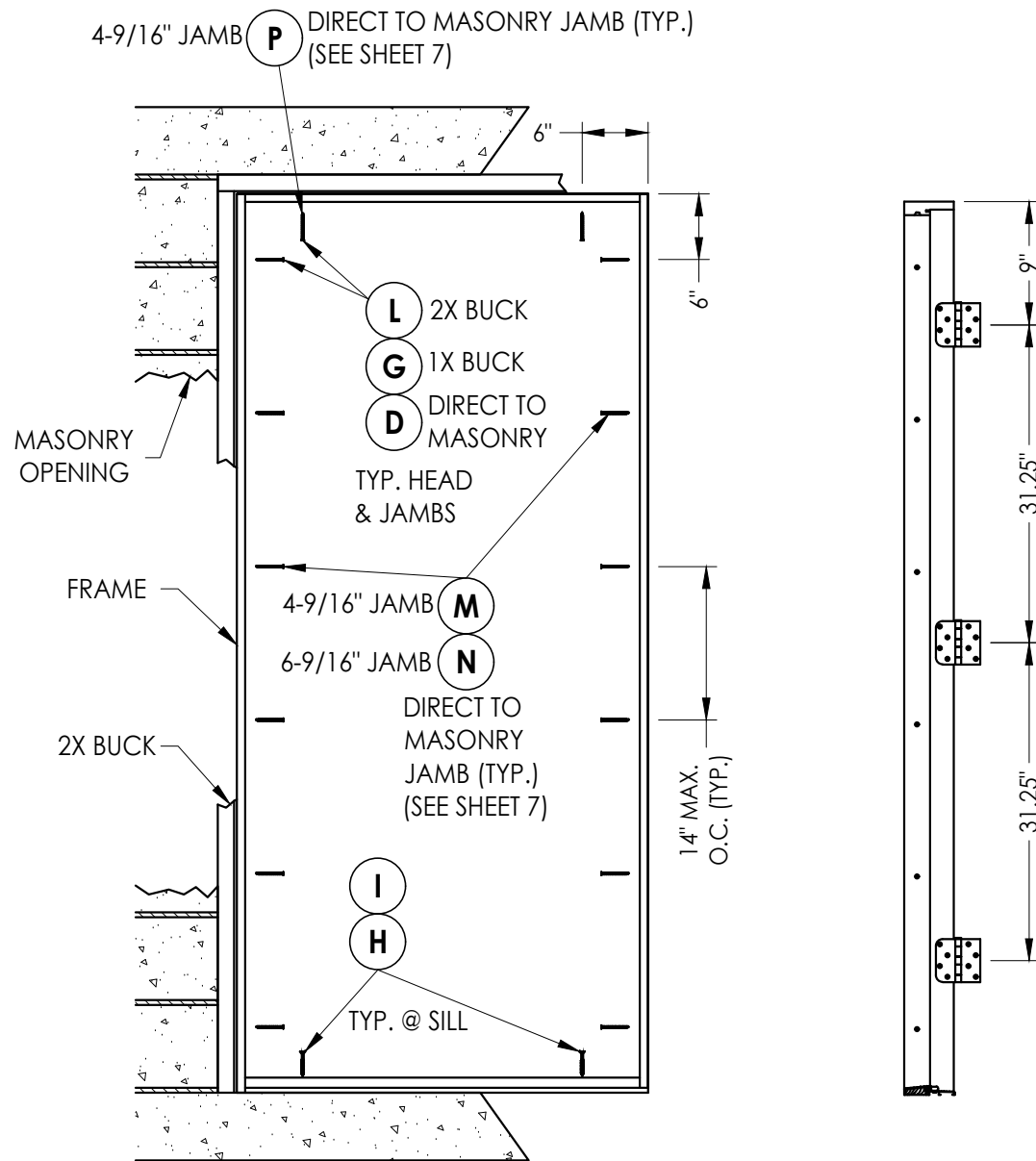
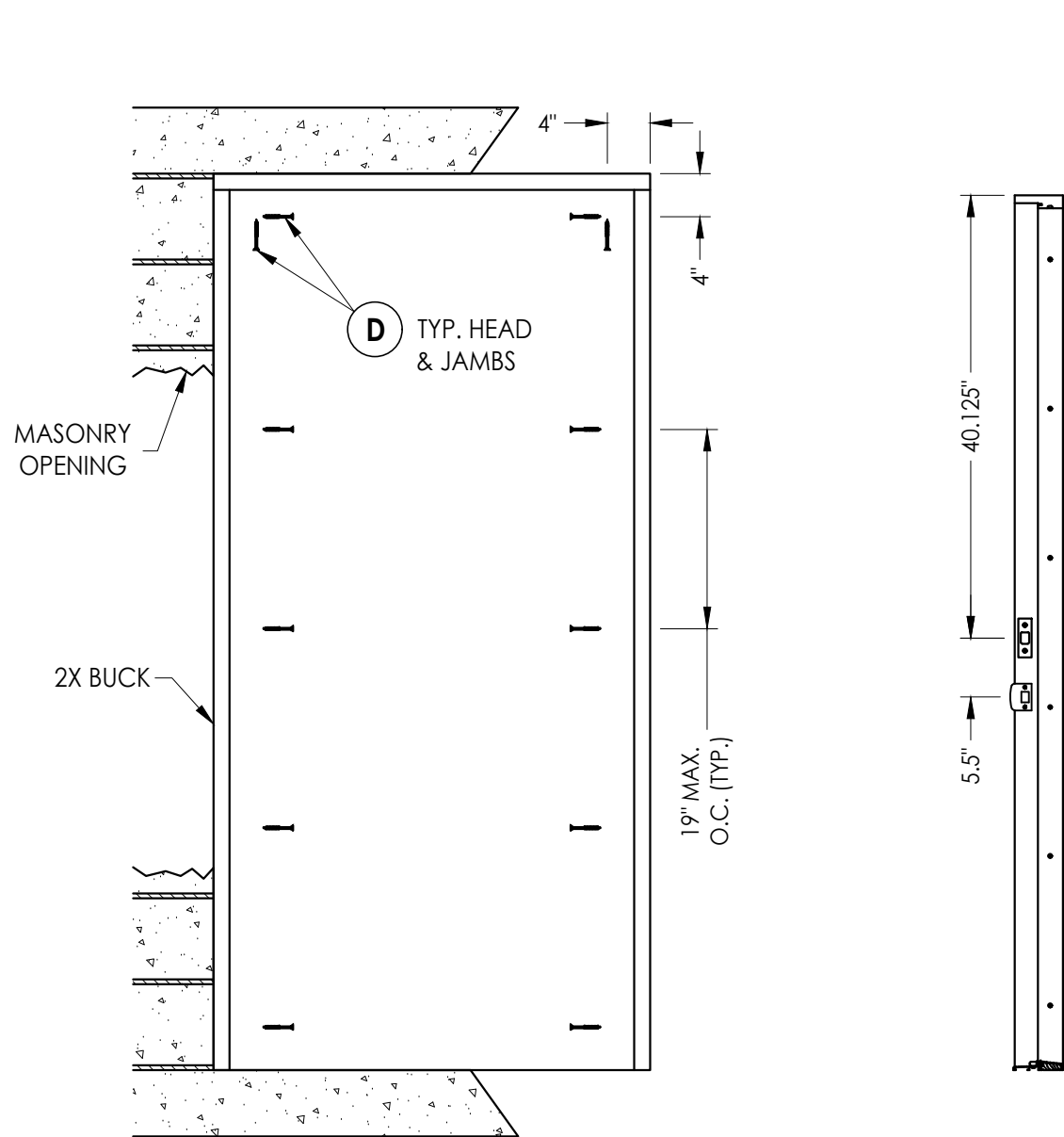
CHK. BY: LFS

DRAWING NO.:

FL-15220.1

SHEET 7 OF 9

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CONCRETE ANCHOR NOTES: BUCK ANCHORING

- 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"

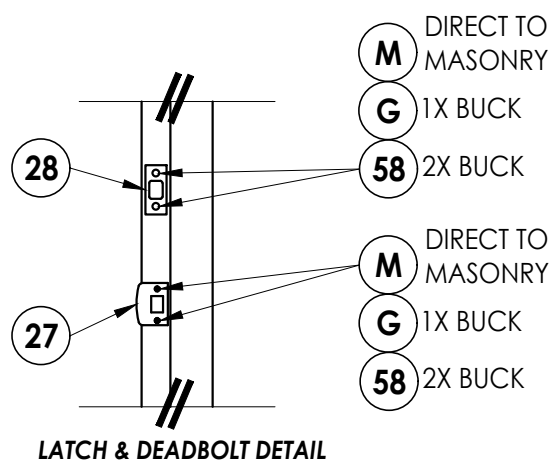
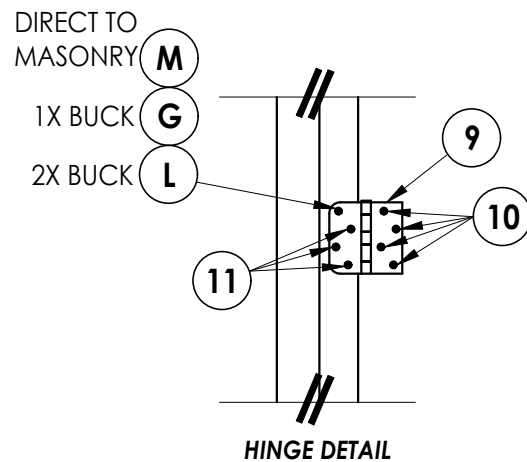
WOOD SCREW INSTALLATION NOTES:

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

STRIKE JAMB

FRAME ANCHORING
Masonry 2X buck construction

HINGE JAMB



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FIBERGLASS DOOR

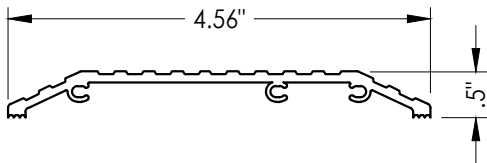
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4	6/28/22	ADD ADA THRESHOLDS
3	7/27/20	UPDATE TO 7TH ED (2020) FBC
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DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
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DRAWING NO.: FL-15220.1
SHEET 8 OF 9

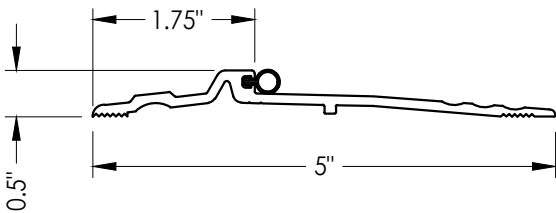
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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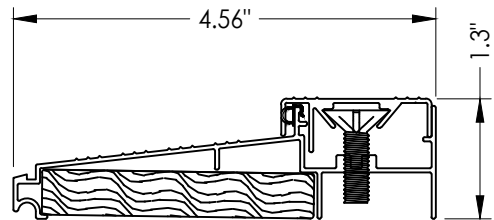
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT 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 DeWALT 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
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	ADA THRESHOLD	ALUM
30	OUTSWING THRESHOLD	ALUM/WOOD
34	OUTSWING THRESHOLD	ALUM/WOOD
35	ADA THRESHOLD	ALUM
37	INSWING THRESHOLD	ALUM/WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
58	#8 X 2" PFH WOOD SCREW	STEEL



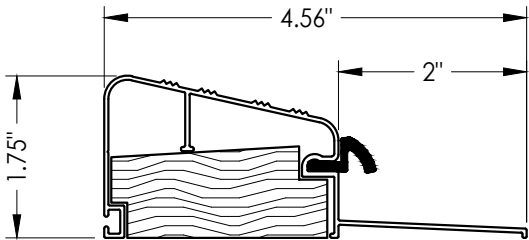
29 ADA THRESHOLD
DLP



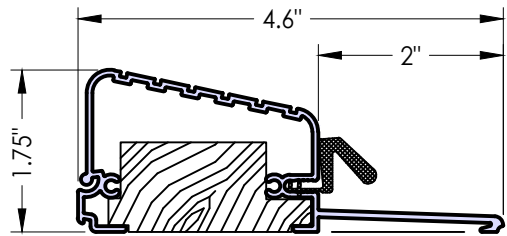
35 ADA THRESHOLD
NGP 896V



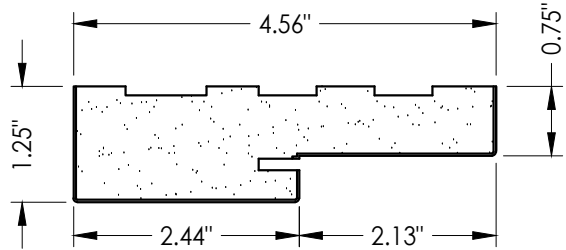
37 INSWING THRESHOLD
DLP (ISC)



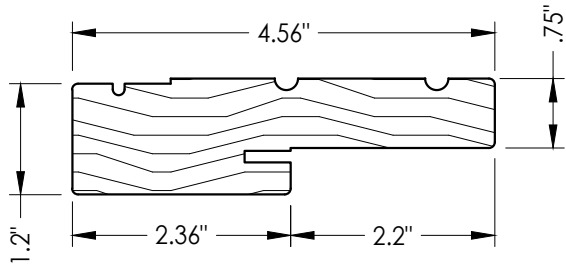
30 OUTSWING THRESHOLD
DLP (QOSR)



34 OUTSWING THRESHOLD
Columbia High Dam (581)



1 POLY FIBER JAMB
Plastpro



2 WOOD JAMB

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	8/14/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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SHEET 9 OF 9				