plastpro

5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

DIRECT GLAZED FIBERGLASS DOORS
DOUBLES
w/ or w/out SIDELITES
INSWING / OUTSWING
"NON-IMPACT"

L F Schmidt

L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt
Date: 2026.08.04 13:59:36 -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

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).

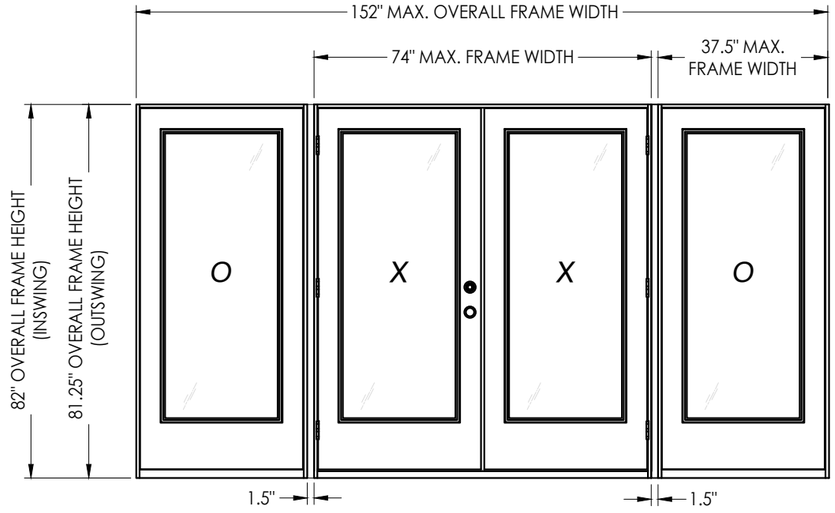
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.

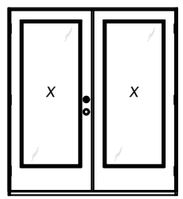
3. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.

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 & Sidelite panel details
3	Elevations
4	Horizontal & Vertical Cross Sections (2X Buck)
5	Horizontal & Vertical Cross Sections (1X Buck)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Horizontal & Vertical Cross Sections (Direct to Masonry)
9	Buck anchoring
10	Frame anchoring & hardware details
11	Bill of materials & components





XX

CONFIGURATION	MAX. FRAME DIMENSION	ASTRAGAL	JAMB MATERIAL	JAMB REINFORCEMENT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
					POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	ENDURA	FJP or PF	N/A	+40.0	-40.0	+40.0	-40.0
OXXO	149.0" x 82.0"	ENDURA	PF	N/A	+30.0	-40.0	+35.0	-35.0
	149.0" x 82.0"	ENDURA	FJP	N/A	+40.0	-40.0	+40.0	-40.0
	152.0" x 82.0"	ENDURA	FJP or PF	2X	+40.0	-40.0	+40.0	-40.0

FJP = FINGER JOINT PINE JAMB
PF = POLY FIBER JAMB

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

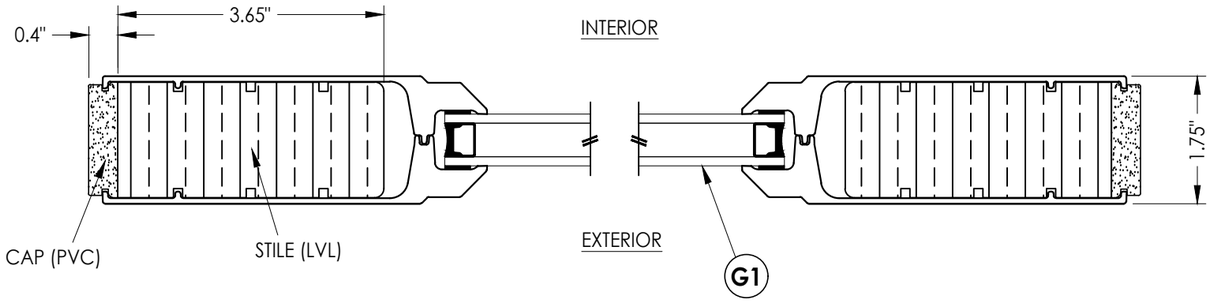
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

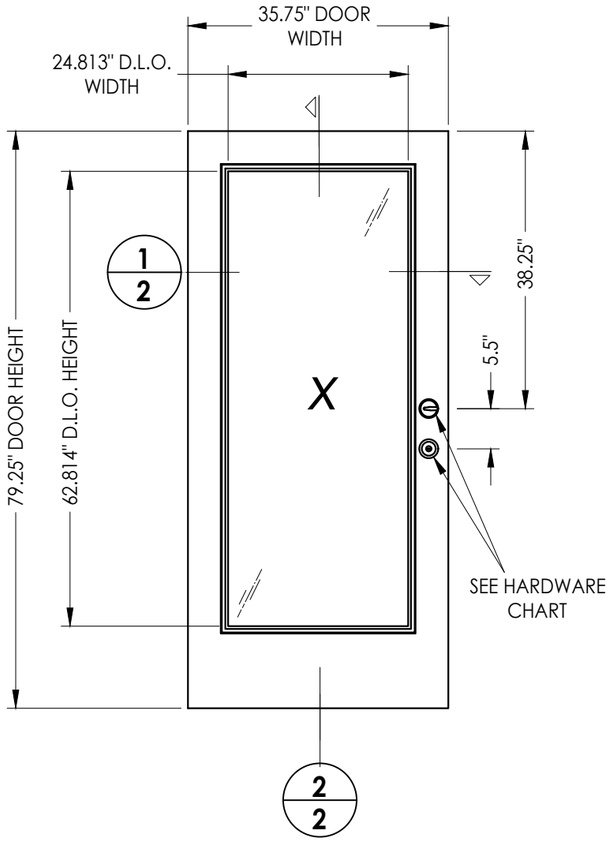
DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 1 OF 11

© 2019 R.W. BUILDING CONSULTANTS INC.

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg

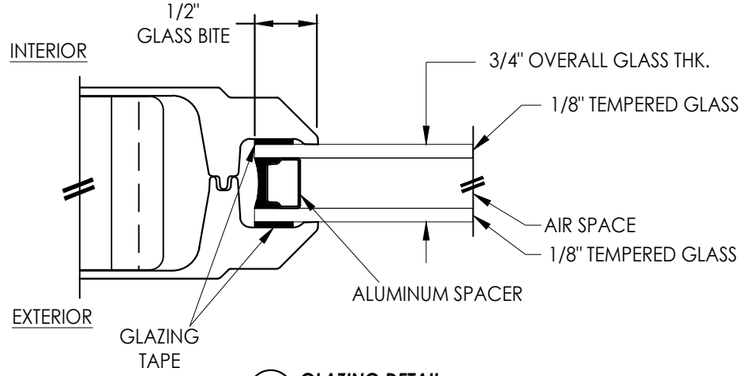


1/2 **HORIZONTAL CROSS SECTION**



40 **PLASTPRO DOOR PANEL**

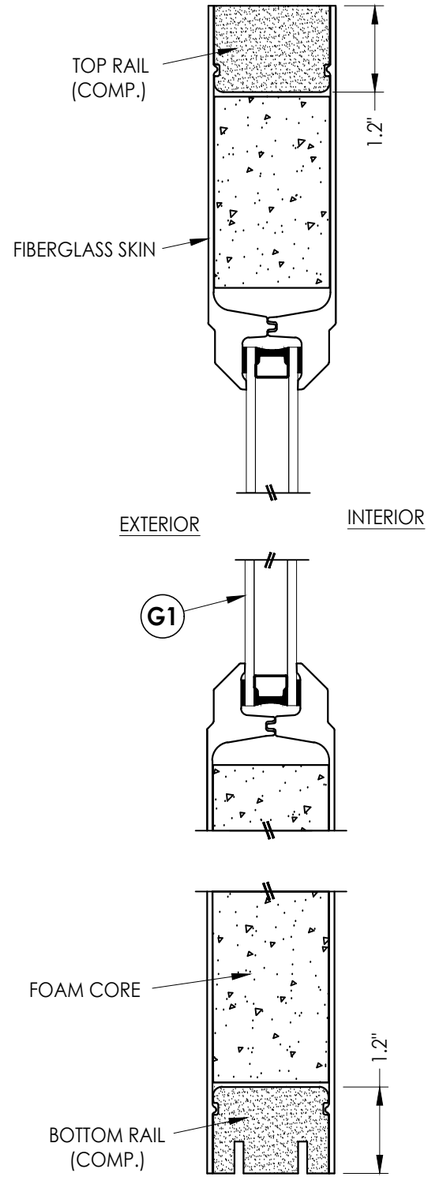
50 **PLASTPRO SIDELITE PANEL**



G1 **GLAZING DETAIL**

HARDWARE TABLE	
MANUFACTURER	**MODEL**
YALE	KNOB: YH COLLECTION DEADBOLT: YH COLLECTION
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
SCHLAGE	KNOB: F-SERIES (F51) DEADBOLT: B-SERIES (B60)

FIBERGLASS SKIN: 0.075" MIN. THK.
FOAM CORE: XPS FOAM (1.3 PCF MIN. DENSITY)



2/2 **VERTICAL CROSS SECTION**

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: *DOOR & SIDELITE PANEL DETAILS*

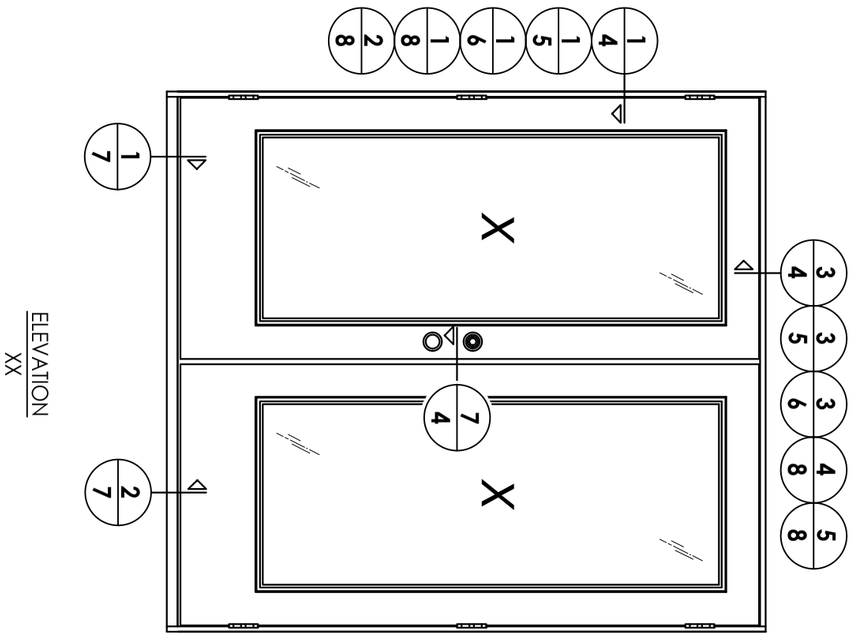
NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 2 OF 11

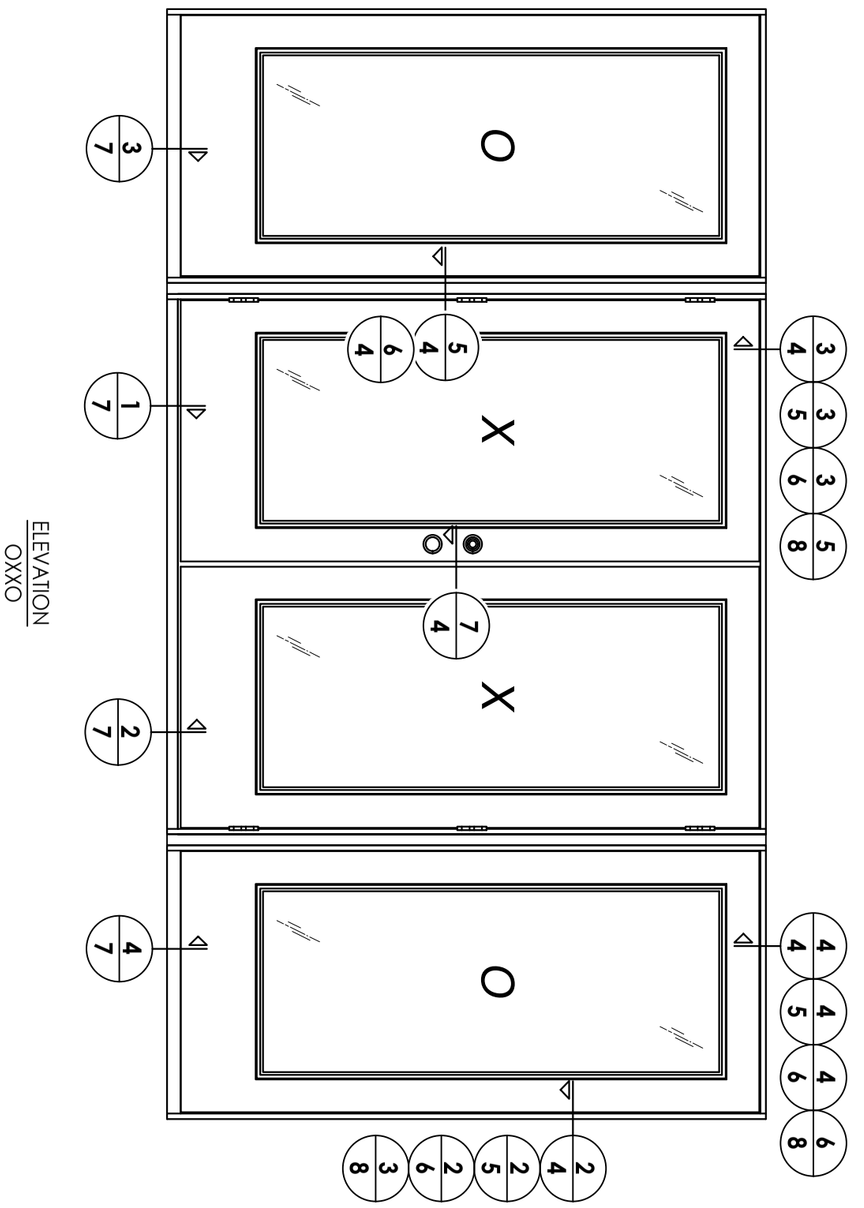
© 2019 R.W. BUILDING CONSULTANTS INC.

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg



ELEVATION
XX



ELEVATION
OXXO

3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS
NO.	DATE	REVISIONS	BY

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

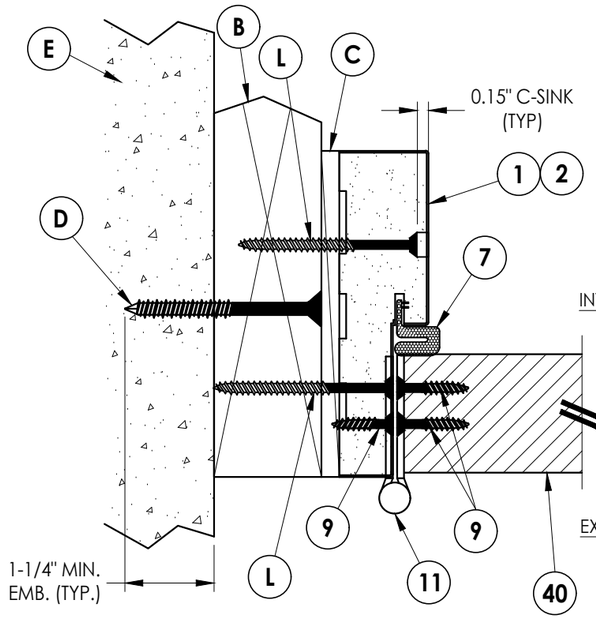
PART OR ASSEMBLY:
ELEVATIONS

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

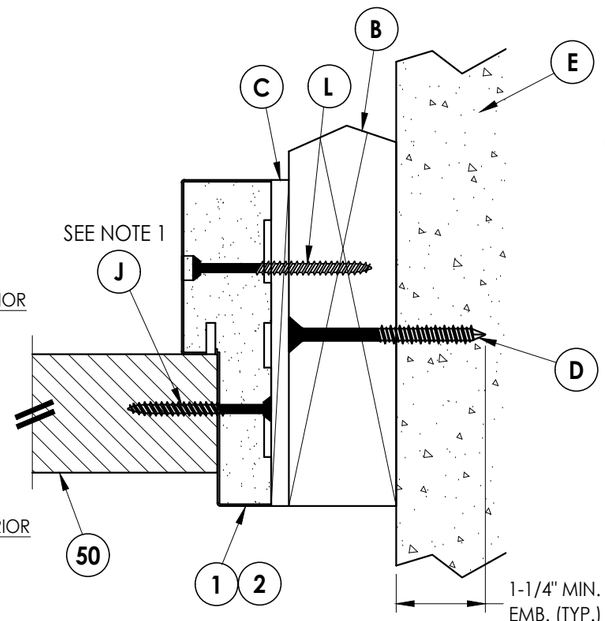
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 3 OF 11

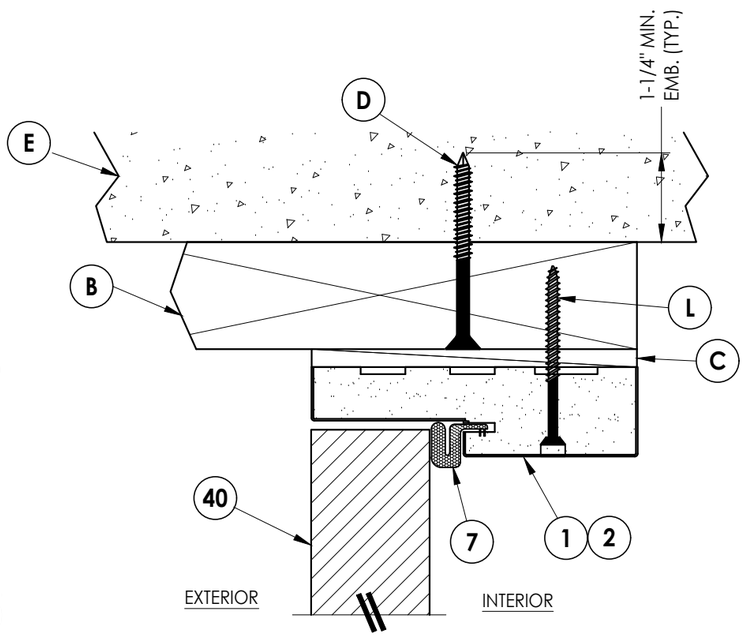
© 2019 R.W. Building Consultants Inc.



1/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

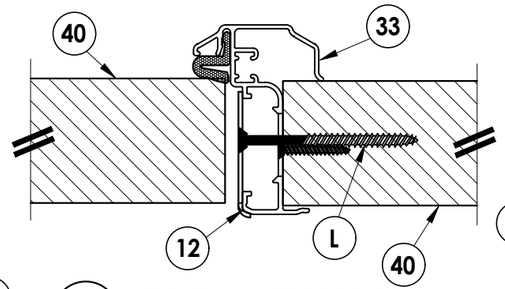


2/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

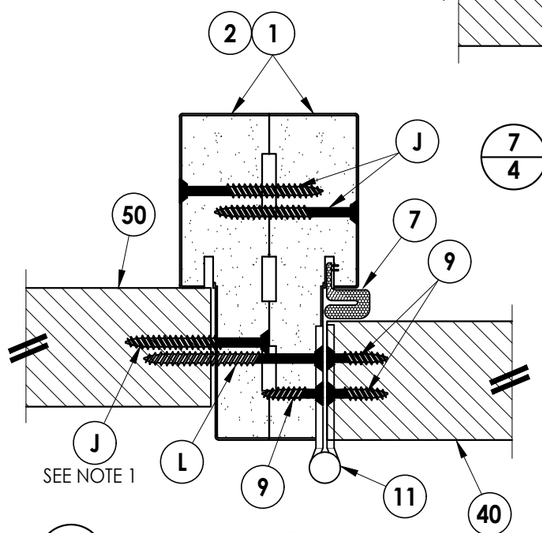


3/4 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)

NOTES:
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



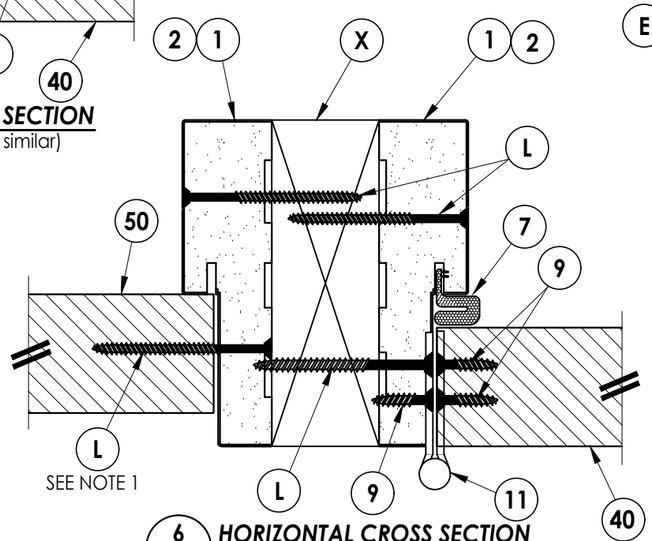
7/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



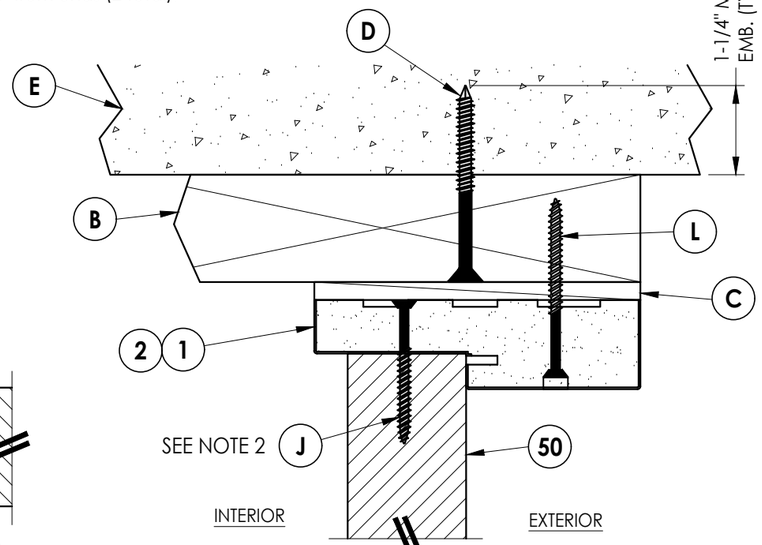
5/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

INTERIOR

EXTERIOR



6/4 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



4/4 **VERTICAL CROSS SECTION**
Outswing shown (Inswing similar)

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*

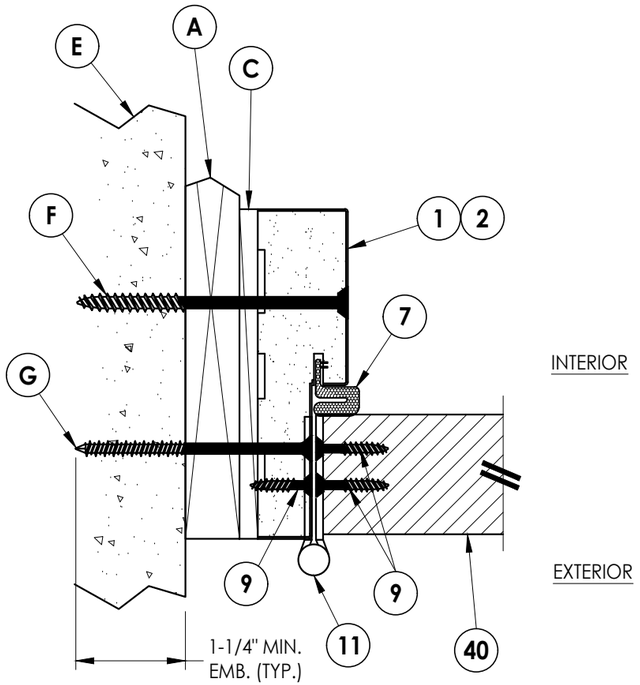
PART OR ASSEMBLY: *HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)*

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS

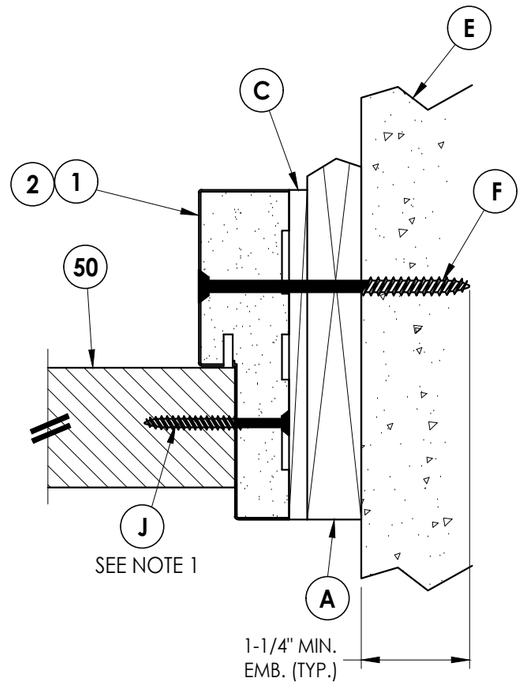
DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 4 OF 11

© 2019 R.W. Building Consultants Inc.

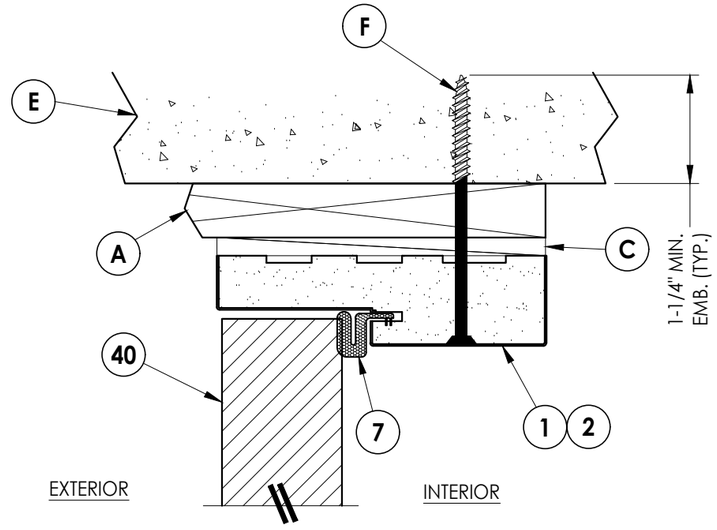
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg



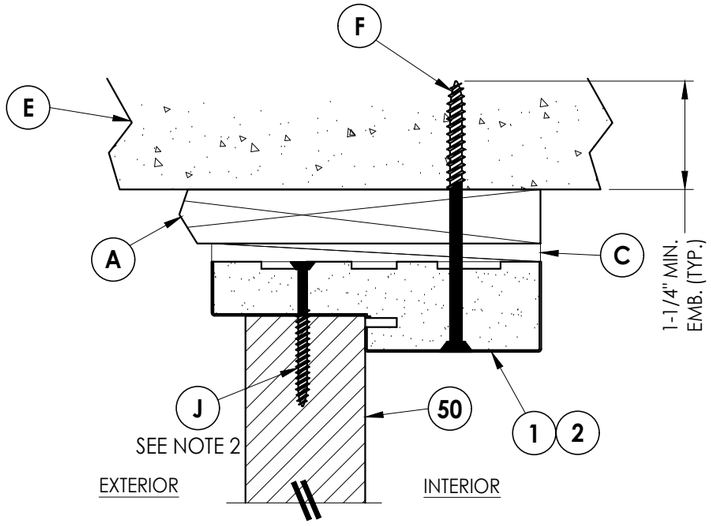
1/5 *HORIZONTAL CROSS SECTION*
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



2/5 *HORIZONTAL CROSS SECTION*
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



3/5 *VERTICAL CROSS SECTION*
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



4/5 *VERTICAL CROSS SECTION*
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

NOTES:
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).

2. Spacing for item J @ head & sill: 6" from ends (2 total).

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*

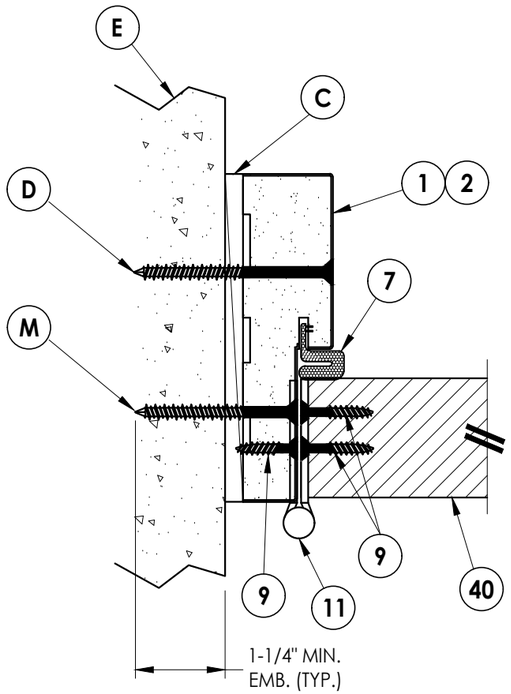
PART OR ASSEMBLY: *HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)*

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

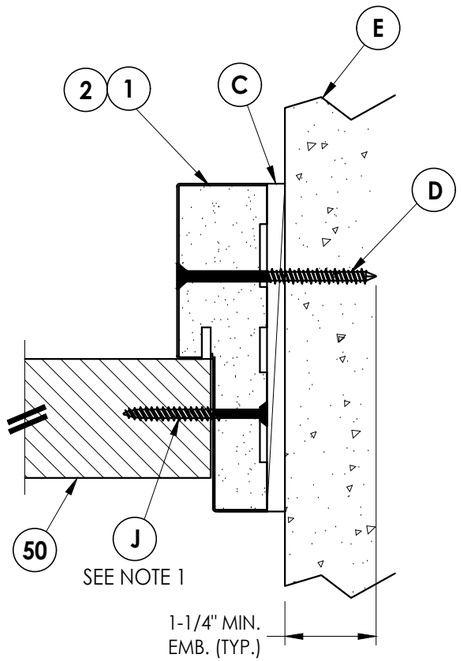
DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 5 OF 11

© 2019 R.W. Building Consultants Inc.

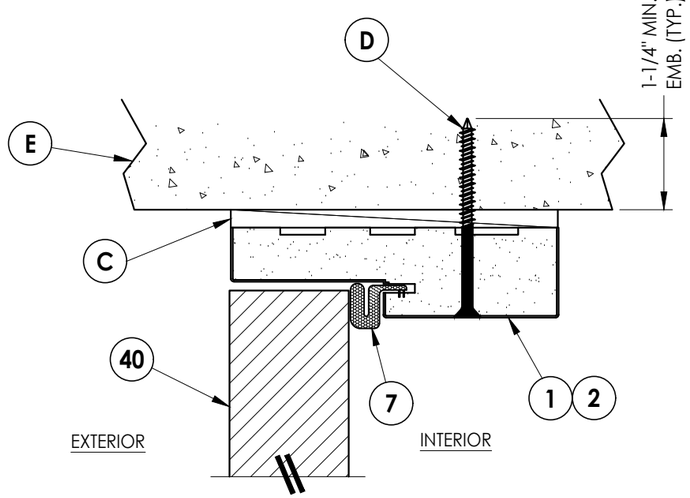
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg



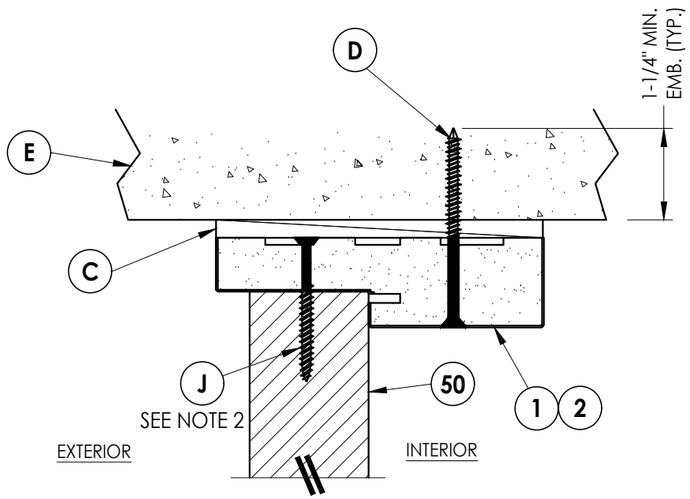
1/6 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing shown (Inswing similar)



2/6 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing shown (Inswing similar)



3/6 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing shown (Inswing similar)



4/6 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing shown (Inswing similar)

NOTES:
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).

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

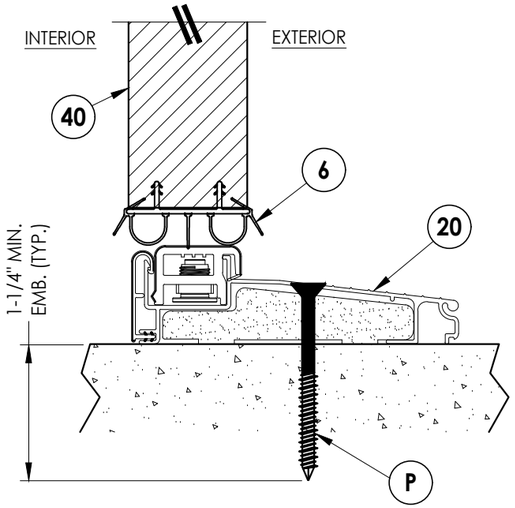
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

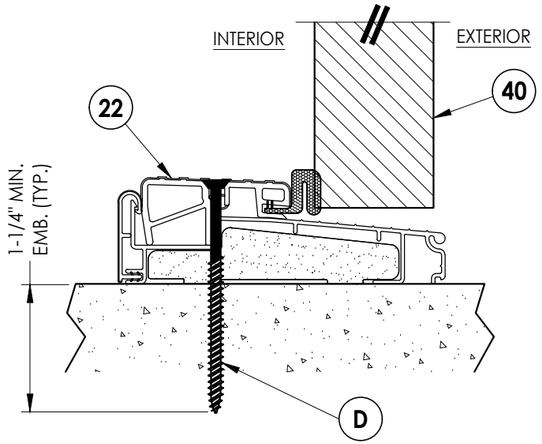
DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 6 OF 11

© 2019 R.W. Building Consultants Inc.

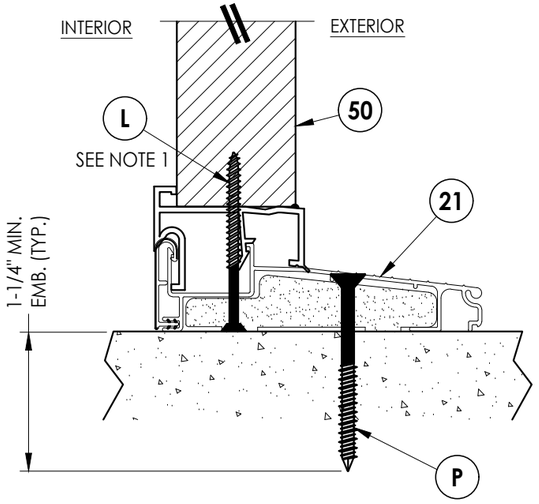
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg



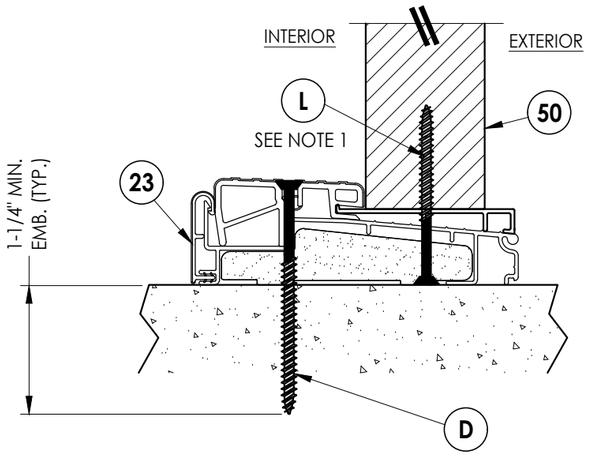
1/7 **VERTICAL CROSS SECTION**
Inswing sill



2/7 **VERTICAL CROSS SECTION**
Outswing sill



3/7 **VERTICAL CROSS SECTION**
Inswing sill



4/7 **VERTICAL CROSS SECTION**
Inswing sill

NOTE:
1. Spacing for item J & L @ head & sill: 6" from each end (2 total).

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

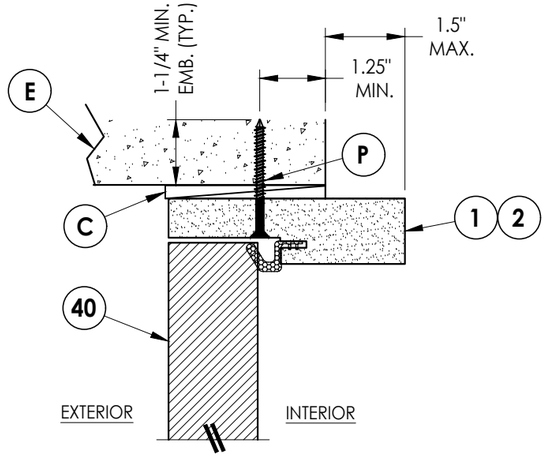
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

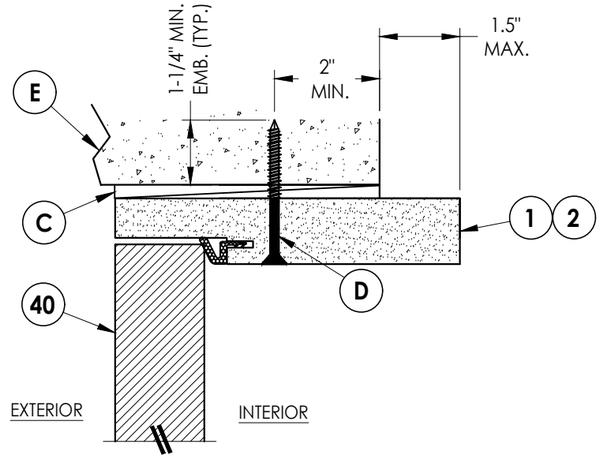
DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 7 OF 11

© 2019 R.W. Building Consultants Inc.

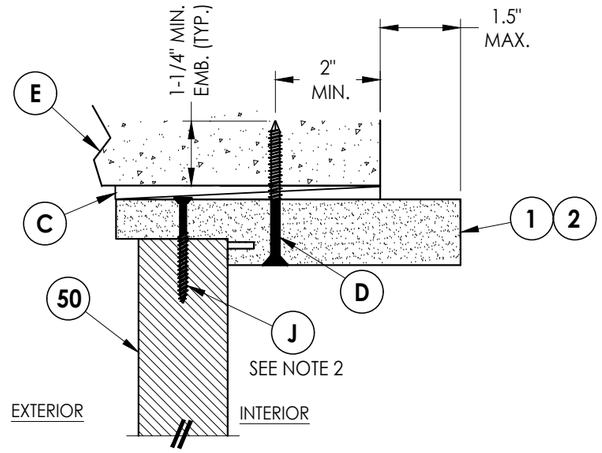
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg



4/8 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)

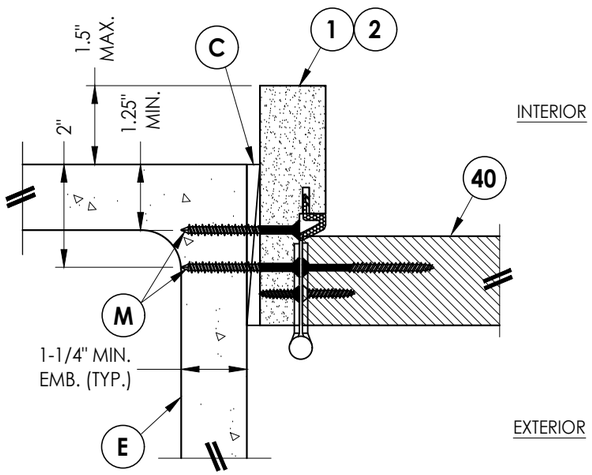


5/8 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

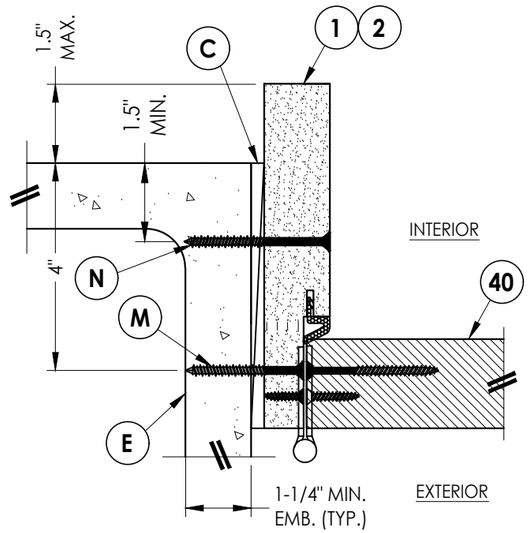


6/8 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

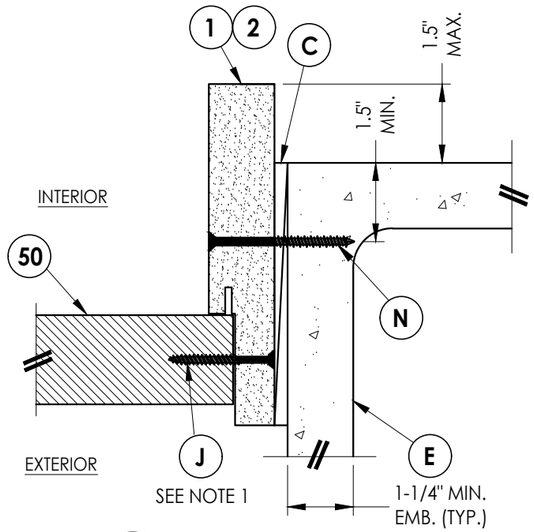
NOTES:
1. Spacing for item J: 6" from each end and 5 more equally spaced along sidelite jamb (7 total).
2. Spacing for item J @ head & sill: 6" from ends (2 total).



1/8 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



2/8 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



3/8 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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*

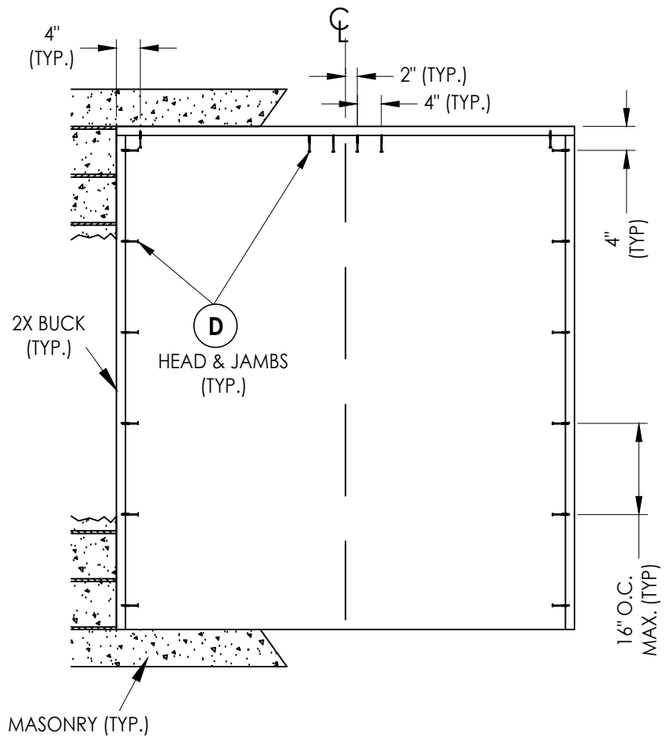
PART OR ASSEMBLY: *HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)*

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

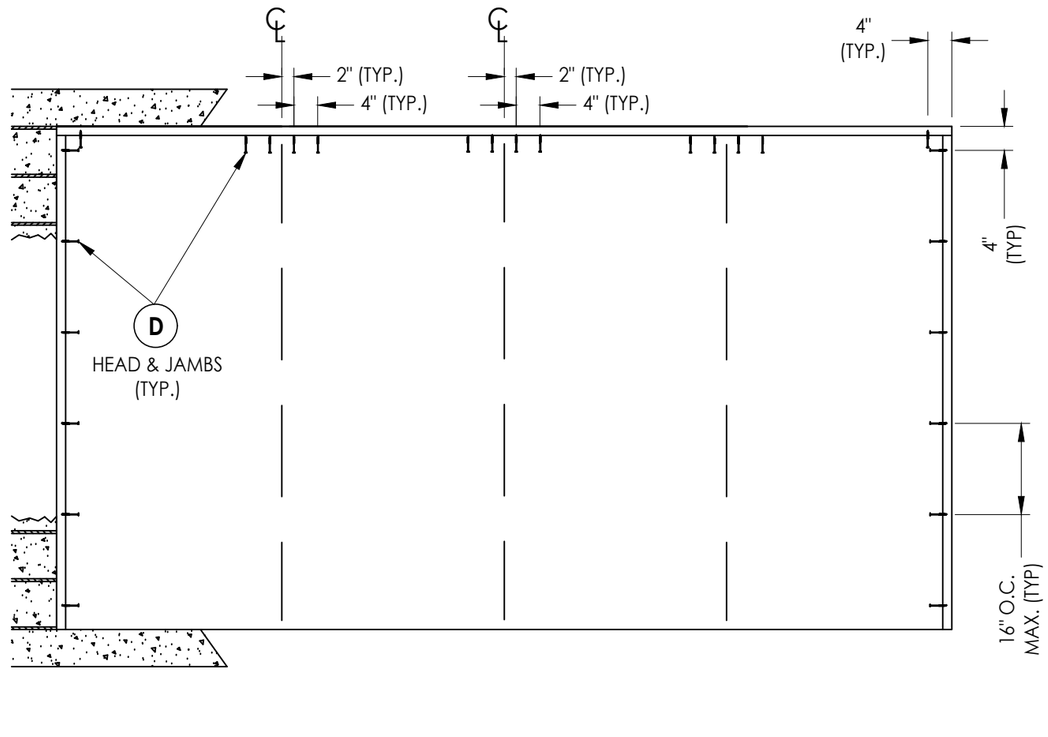
DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 8 OF 11

© 2019 R.W. BUILDING CONSULTANTS INC.

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg



XX



OXXO

2X BUCK ANCHORING

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*

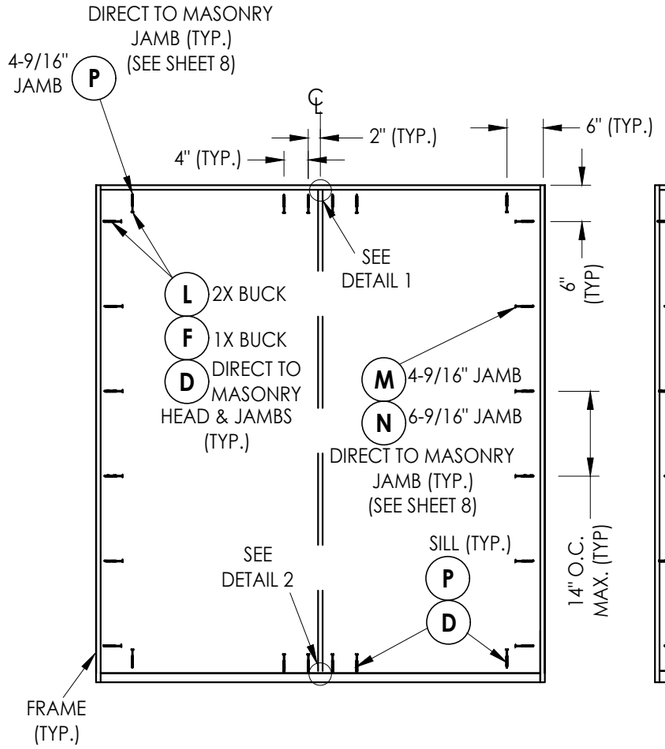
PART OR ASSEMBLY: *BUCK ANCHORING*

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

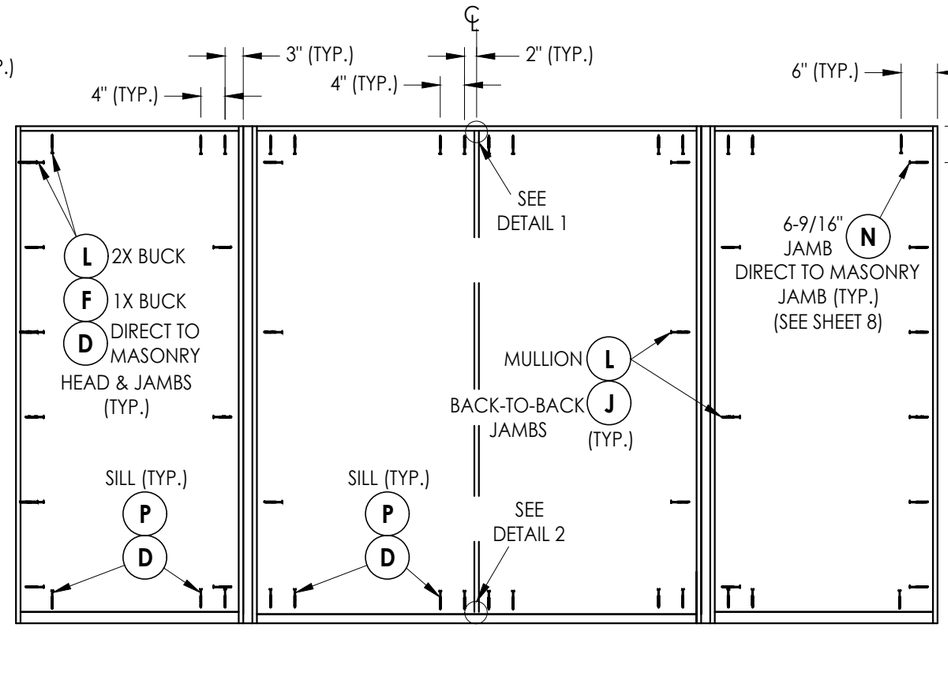
DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 9 OF 11

© 2019 R.W. Building Consultants Inc.

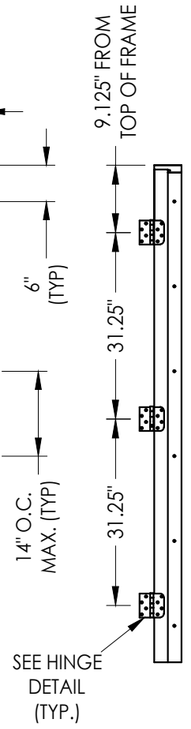
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg



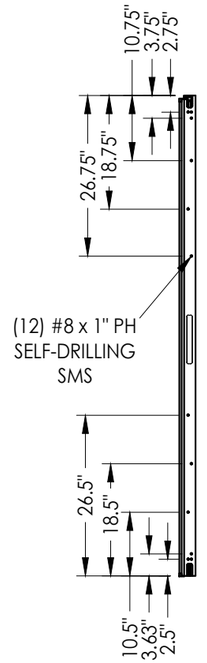
XX



OXXO

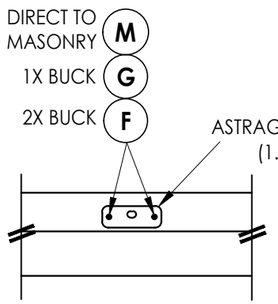


HINGE JAMB

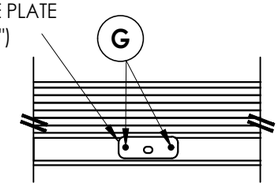


ASTRAGAL
ENDURA ULTIMATE HURRICANE

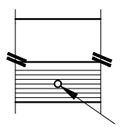
FRAME ANCHORING



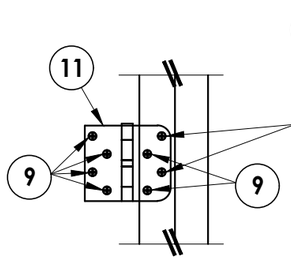
DETAIL 1
Astragal Strike Plate @ Head



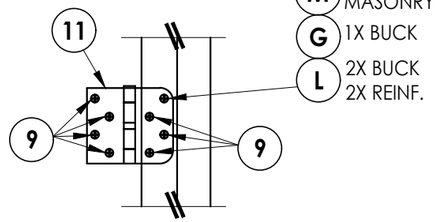
DETAIL 2
Astragal Strike Plate @ Sill
Inswing Threshold



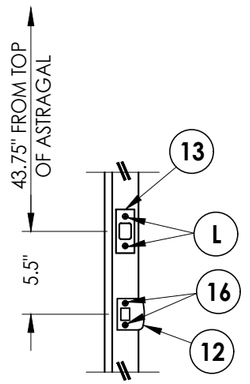
DETAIL 2
Astragal Bolt Hole @ Sill
Outswing Threshold



HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



LATCH & DEADBOLT DETAILS
Astragal

HARDWARE DETAILS

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: *FRAME ANCHORING & HARDWARE DETAILS*

NO.	DATE	BY
REVISIONS		
3	7/01/26 UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/10/23 UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20 UPDATE TO 7TH ED (2020) FBC	LFS

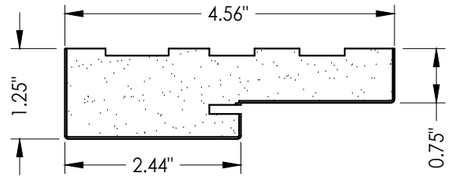
DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 10 OF 11

© 2019 R.W. BUILDING CONSULTANTS INC.

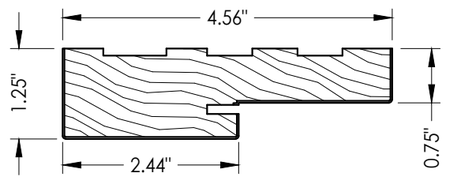
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg

BILL OF MATERIALS

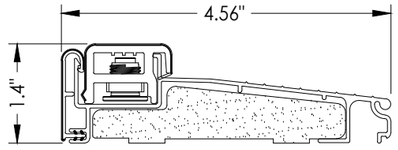
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	#10 X 2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	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
2	FINGER JOINT PINE JAMB	WOOD
6	DOOR SWEEP	PVC
7	WEATHERSTRIP	FOAM
9	#9 X 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
16	#8 X 2-1/2" PFH WOOD SCREW	STEEL
20	INSWING THRESHOLD	ALUM/COMP
21	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
22	OUTSWING THRESHOLD	ALUM/COMP
23	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
33	ASTRAGAL (ENDURA)	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-



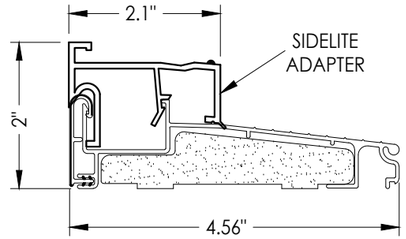
1 ***POLY FIBER JAMB***
Plastpro PF Jamb



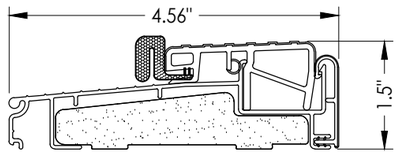
2 ***FINGER JOINT PINE JAMB***



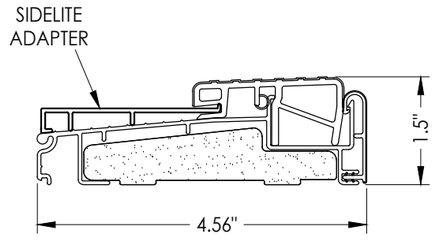
20 ***INSWING THRESHOLD***
Endura (Z-Series)



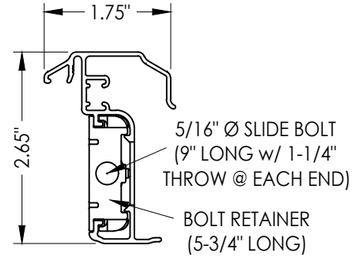
21 ***INSWING THRESHOLD w/ SIDELITE ADAPTER***
Endura (Z-Series)



22 ***OUTSWING THRESHOLD***
Endura (Z-Series)



23 ***OUTSWING THRESHOLD w/ SIDELITE ADAPTER***
Endura (Z-Series)



33 ***ENDURA ASTRAGAL***
ULTIMATE HURRICANE

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 BUILDEX TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"

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.*

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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*

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	8/10/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS

DATE: 2/11/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28685.4
SHEET 11 OF 11

© 2019 R.W. Building Consultants Inc.

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-28685 R4\FL-28685.4.dwg