



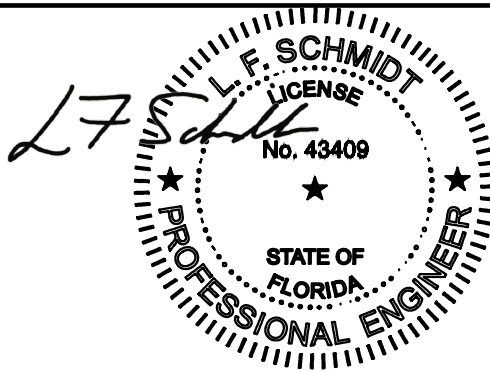
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

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

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 outside of the "HVHZ" 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 E 1996.
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 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.

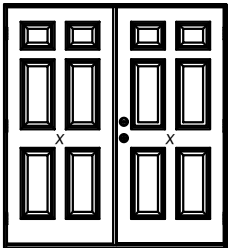
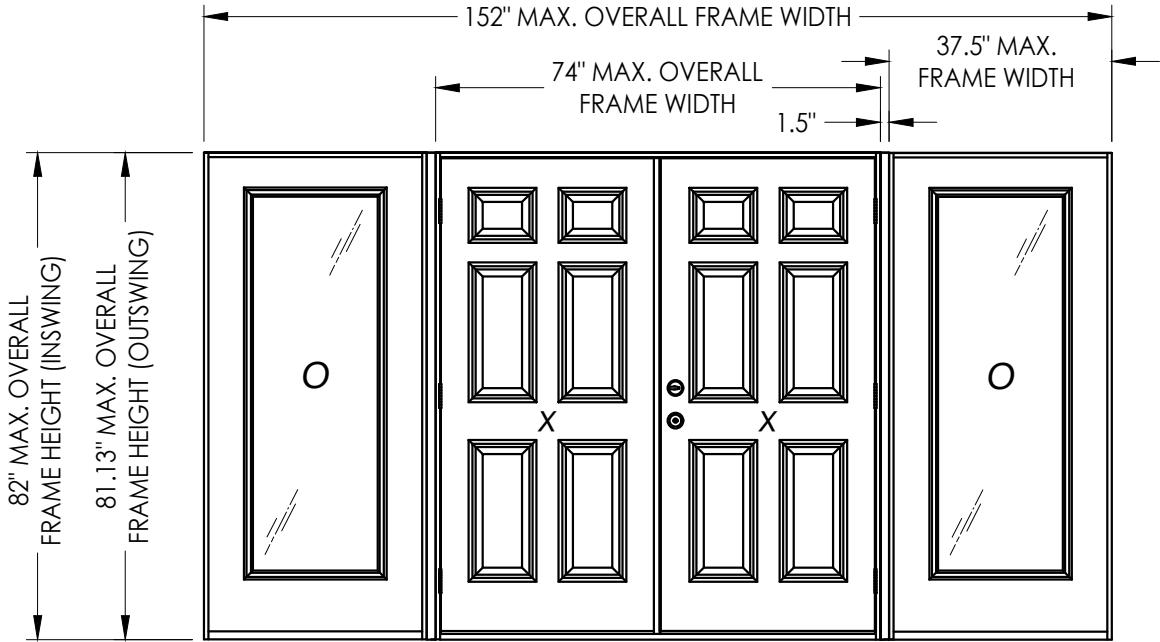
TABLE OF CONTENTS			
SHEET#	DESCRIPTION	SHEET#	
1	Typical elevations, design pressures & general notes	11	3-Point lock details
2	Door panel details	12	3-Point lock details
3	Sidelite panel details	13	Buck and frame anchoring (XX)
4	Lite frame details and glazing details	14	Buck and frame anchoring (OXXO)
5	Elevations	15	Astragal details
6	Horizontal & Vertical Cross Sections (2X Buck)	16	Astragal details
7	Horizontal & Vertical Cross Sections (1X Buck)	17	Astragal details
8	Horizontal & Vertical Cross Sections (Direct to Masonry)	18	Components
9	Horizontal & Vertical Cross Sections (Direct to Masonry)	19	Bill of materials
10	Vertical Cross Sections (Thresholds)		



Digitally signed by Lyndon F Schmidt
Date: 2026.07.28 13:41:38 -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



XX

CONFIGURATION	MAX. FRAME DIMENSION	SWING	DESIGN PRESSURE (PSF)					
			ENDURA ASTRAGAL		DLP ASTRAGAL		COLUMBIA ASTRAGAL	
			POS.	NEG.	POS.	NEG.	POS.	NEG.
XX	74.0" x 82.0"	INSWING	+55.0	-55.0	+50.0	-60.0	+50.0	-60.0
	74.0" x 81.13"	OUTSWING	+55.0	-55.0	+60.0	-60.0	+50.0	-50.0
OXXO	152.0" x 82.0"	INSWING	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0
	152.0" x 81.13"	OUTSWING	+50.0	-50.0	+50.0	-50.0	+50.0	-50.0

See Sheet 2 for hardware design pressure limitations

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

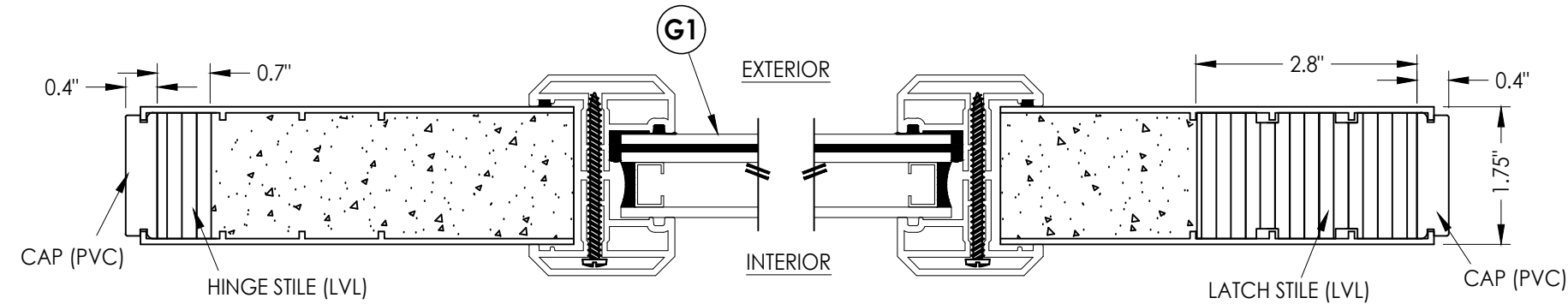
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

5	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	7/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
		& REVISE ENDURA ULT. ASTRAGAL		
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY

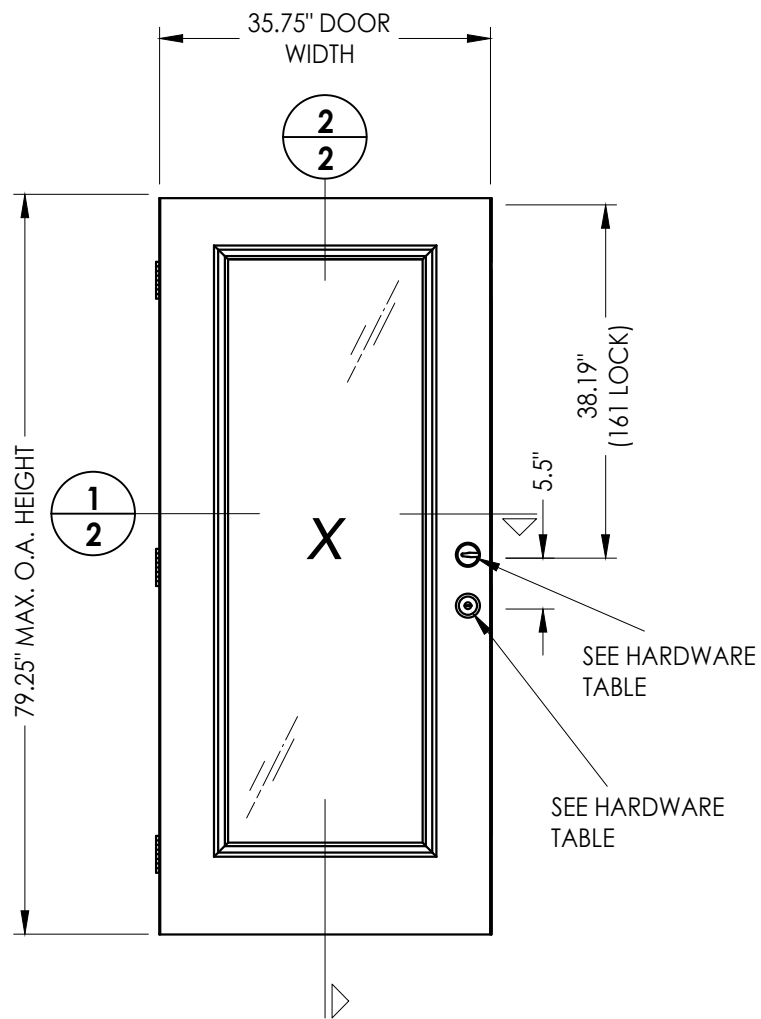
DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15210.3
SHEET 1 OF 19

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

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



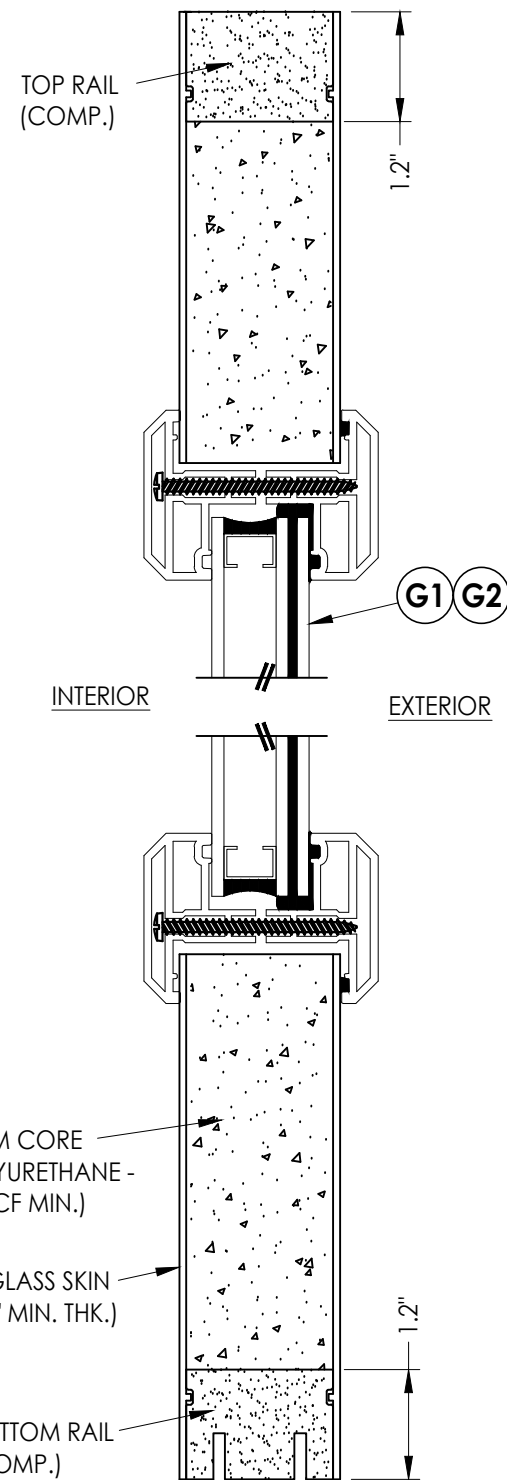
1
2 **HORIZONTAL CROSS SECTION**



40 **DOOR PANEL**

HARDWARE TABLE			
MANUFACTURER	MODEL		MAX. DESIGN PRESSURE (PSF)
KWIKSET	Knob:	SIGNATURE SERIES	± 60
	DEADBOLT:	SIGNATURE SERIES (980)	
SCHLAGE	Knob:	"F" SERIES (F51)	± 60
	DEADBOLT:	"B" SERIES (B60/62)	
PAMEX	Lever:	FL3B SERIES	± 60
	DEADBOLT:	FD7 SERIES	
HOPPE	MULTIPOINT LOCK:	HLS9000 3-POINT TONGUE	± 50
ENDURA	MULTIPOINT LOCK:	TRILENNIUM 3000 (3-PT)	± 60

See Sheets 11 & 12 for multipoint lock details.



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

5	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	7/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY

REVISIONS

DATE: 02/16/12

SCALE: N.T.S.

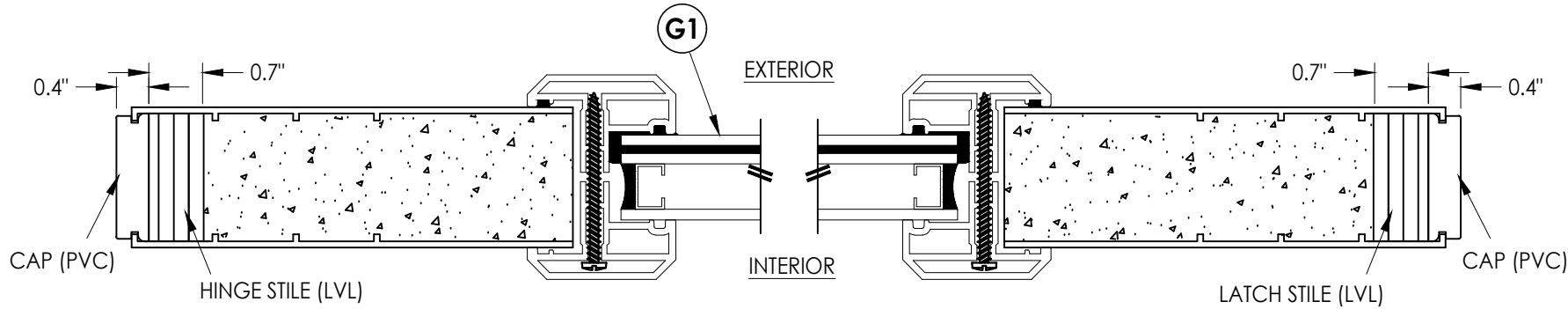
DWG. BY: JK

CHK. BY: LFS

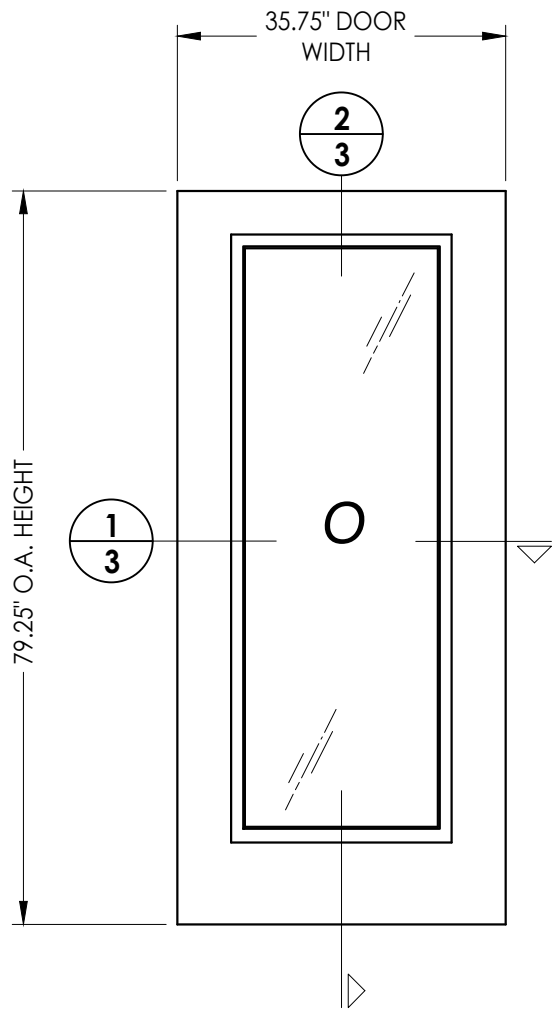
DRAWING NO.: FL-15210.3

SHEET 2 OF 19

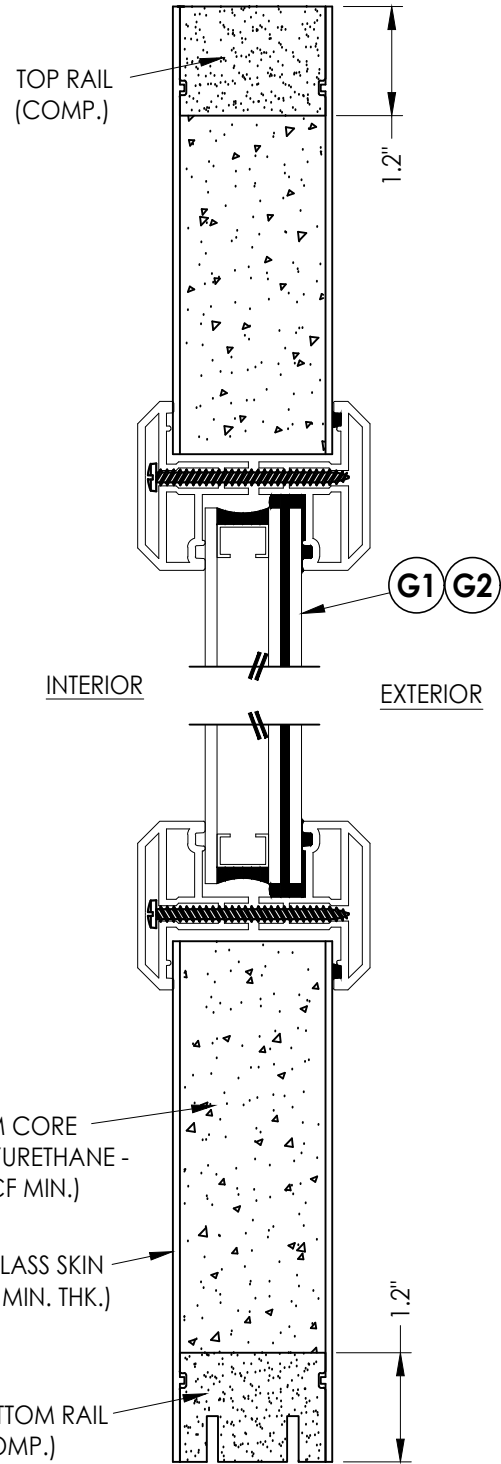
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



1
3 HORIZONTAL CROSS SECTION



50 SIDELITE PANEL



2
3 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:
SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS	LFS
5	7/02/26	UPDATE TO 9TH ED. (2026)	FBC
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
3	7/29/20	UPDATE TO 7TH ED. (2020)	FBC
		& REVISE ENDURA ULT. ASTRAGAL	
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC
		NO. DATE	JK BY

DATE: 02/16/12

SCALE: N.T.S.

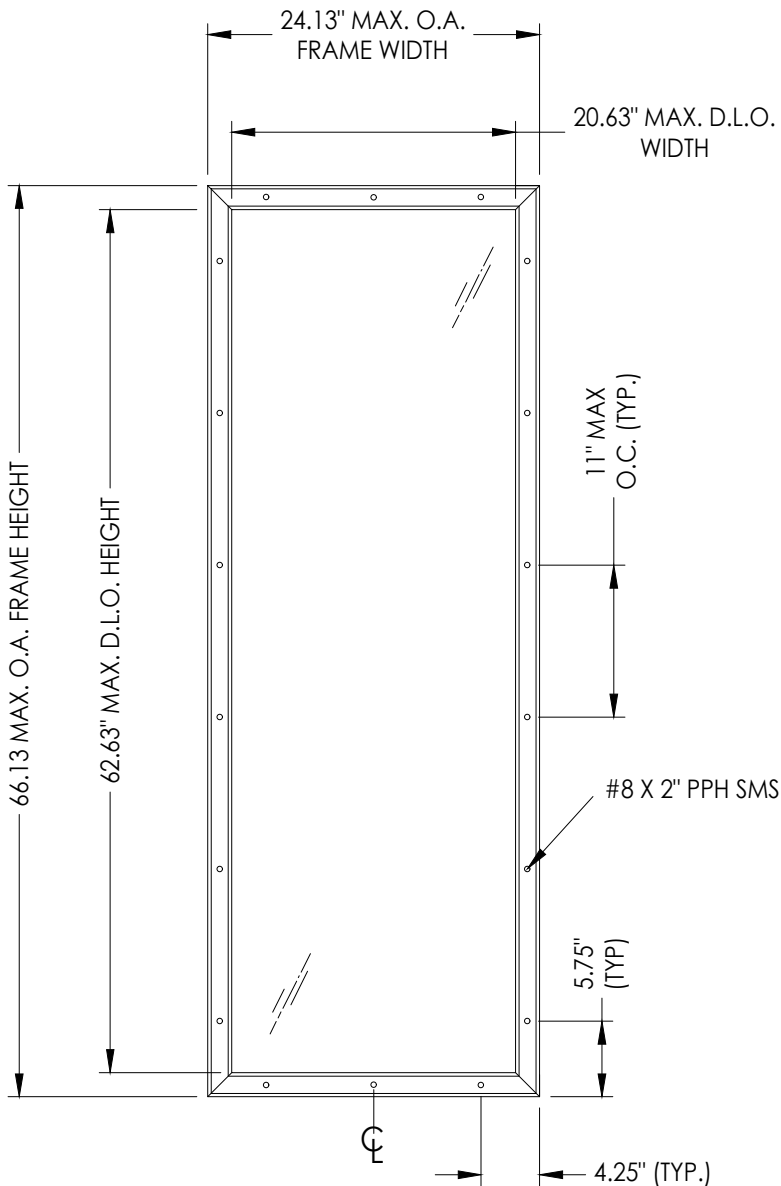
DWG. BY: JK

CHK. BY: LFS

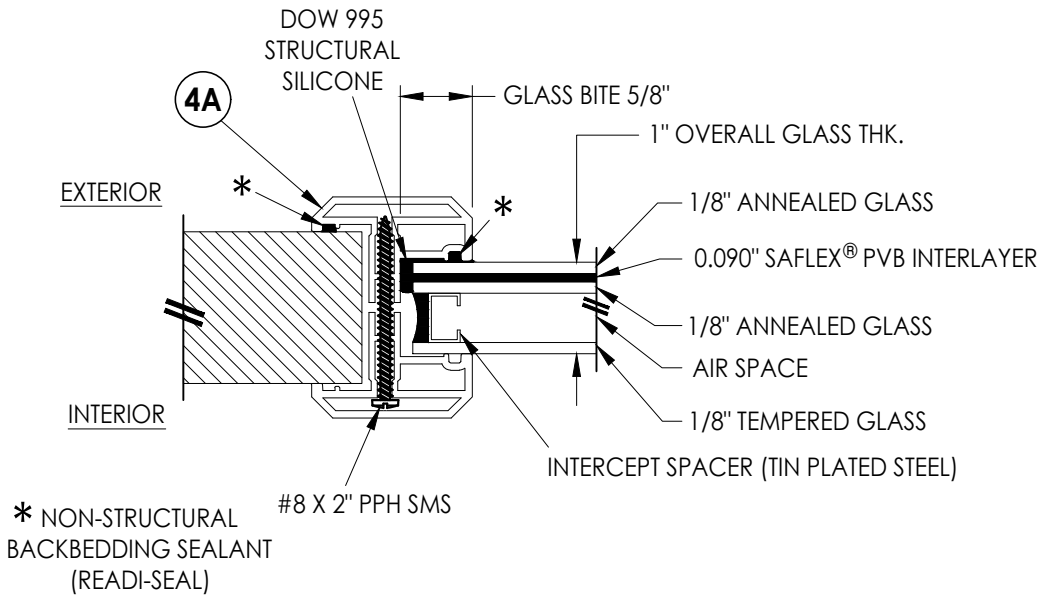
DRAWING NO.:
FL-15210.3

SHEET 3 OF 19

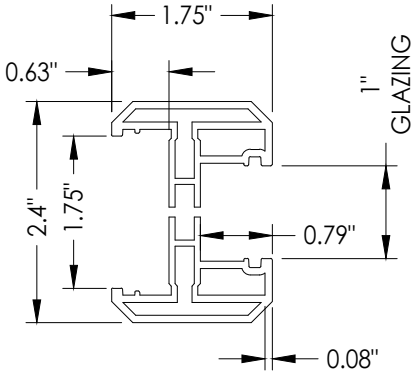
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



ODL LITE FRAME

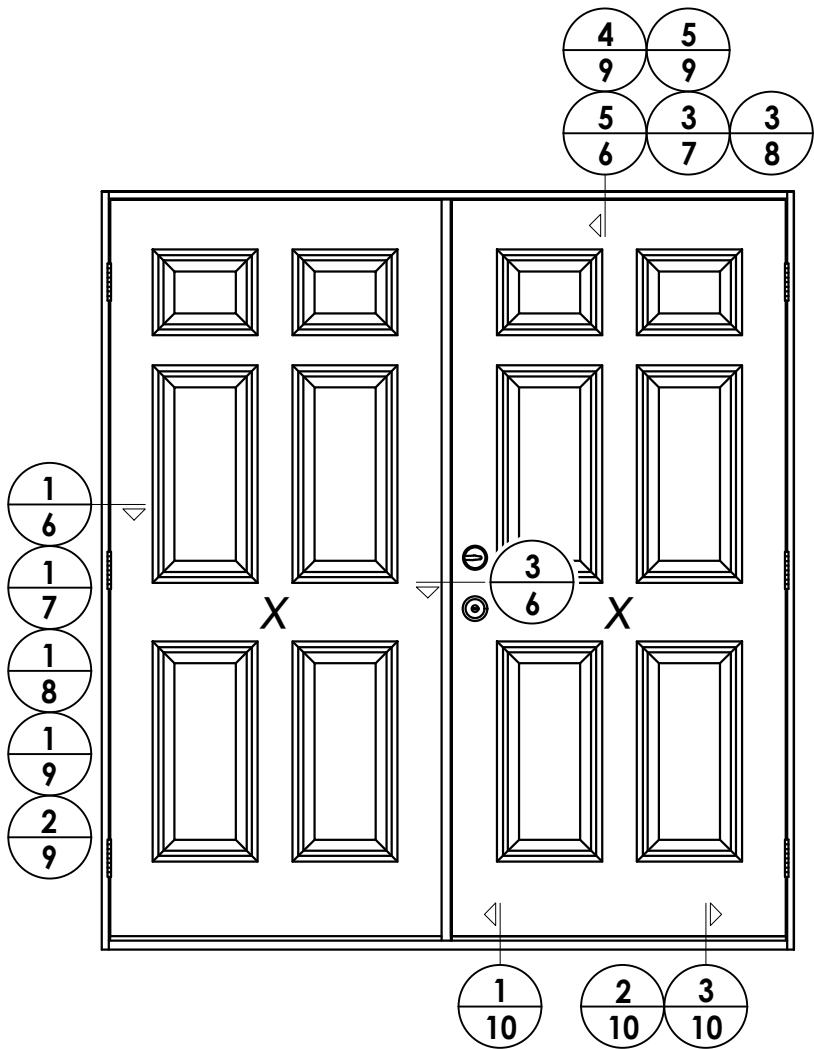


G1 GLAZING DETAIL
ODL "FLAT FRAME"

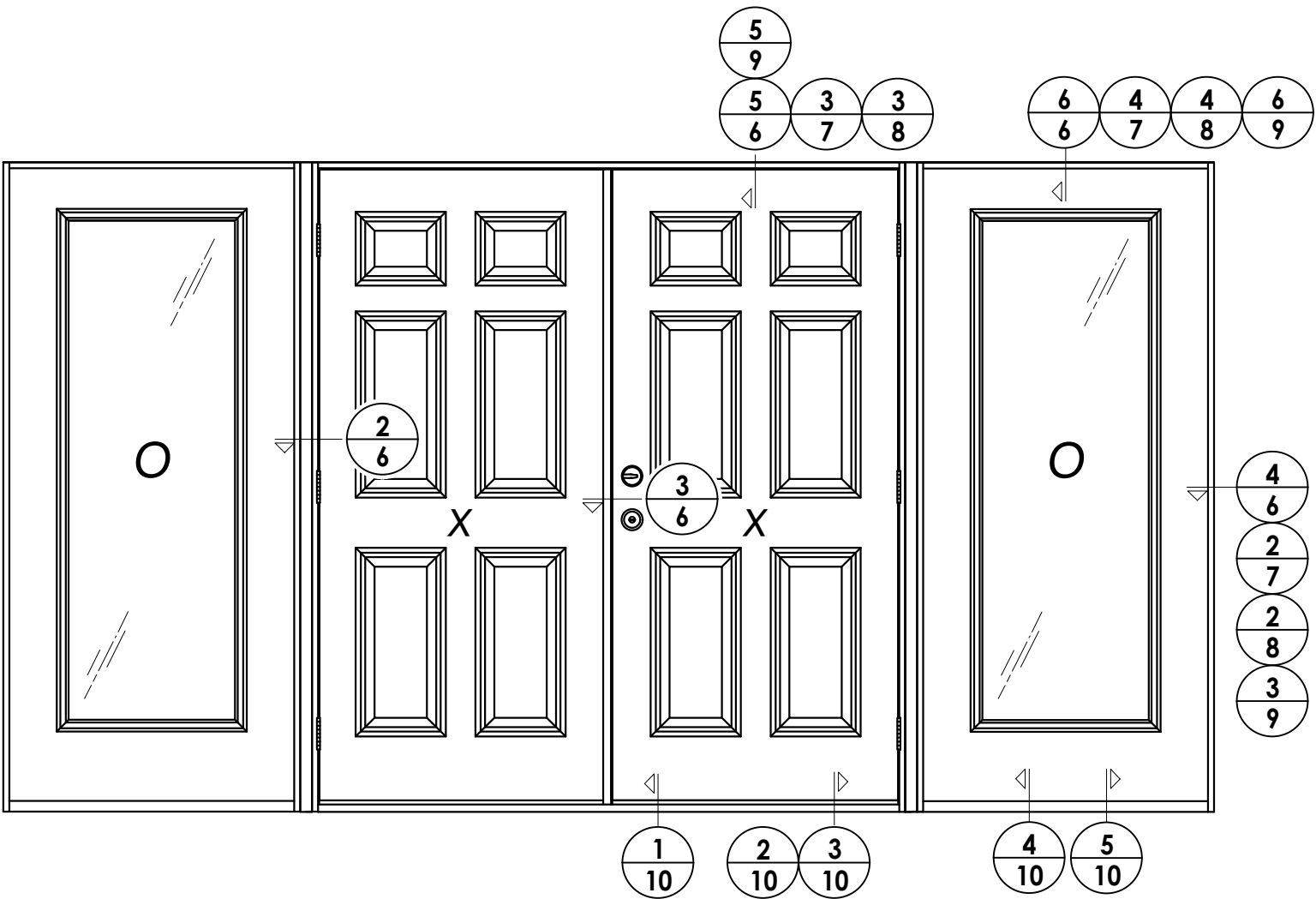


4A ODL LITE FRAME
"FLAT FRAME" PROFILE
(6063-T5 ALUM)

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: LITE FRAME DETAILS AND GLAZING DETAILS			
5	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	REVISIONS		
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
3	7/29/20	UPDATE TO 7TH ED (2020)	FBC	LFS			
		& REVISE ENDURA ULT. ASTRAGAL					
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK			
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK			
NO.	DATE			BY			
DATE: 02/16/12							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15210.3							
SHEET 4 OF 19							



ELEVATION (XX)



ELEVATION (OXXO)

5	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	7/29/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
		& REVISE ENDURA ULT. - ASTRAGAL		
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC	JK
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY
REVISIONS				

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15210.3

SHEET 5 OF 19

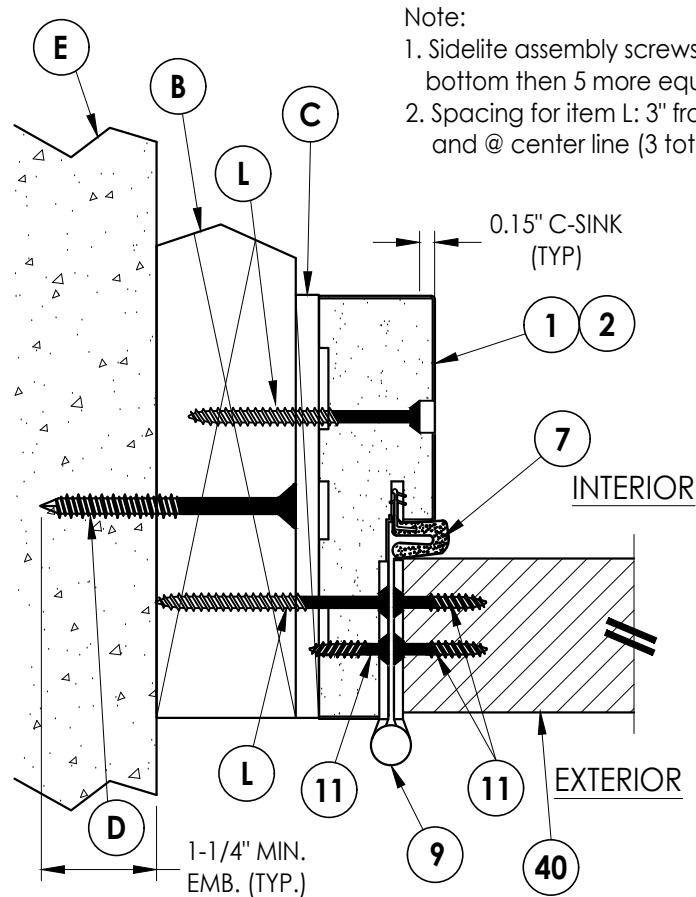
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

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

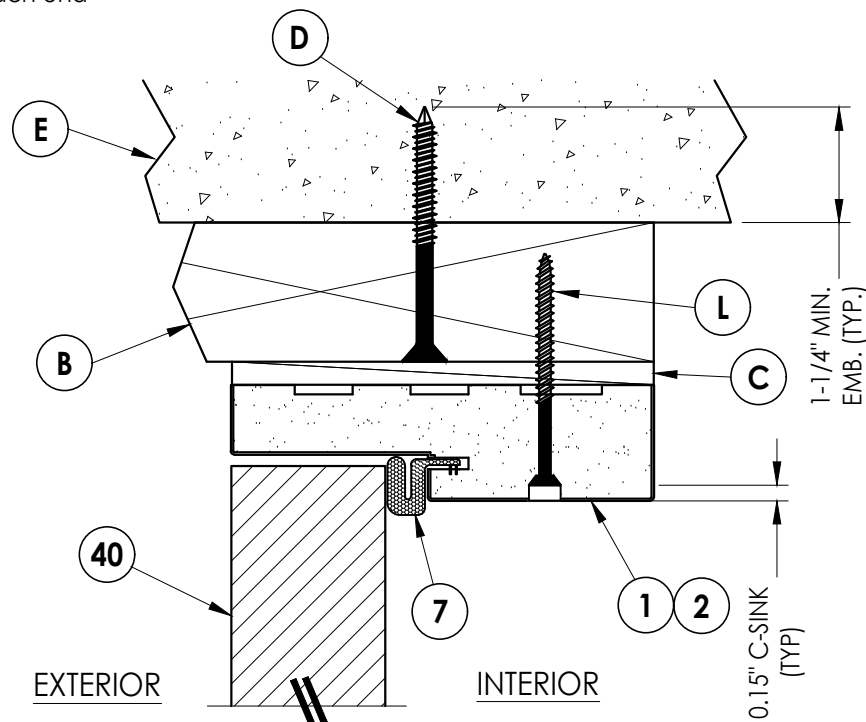
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



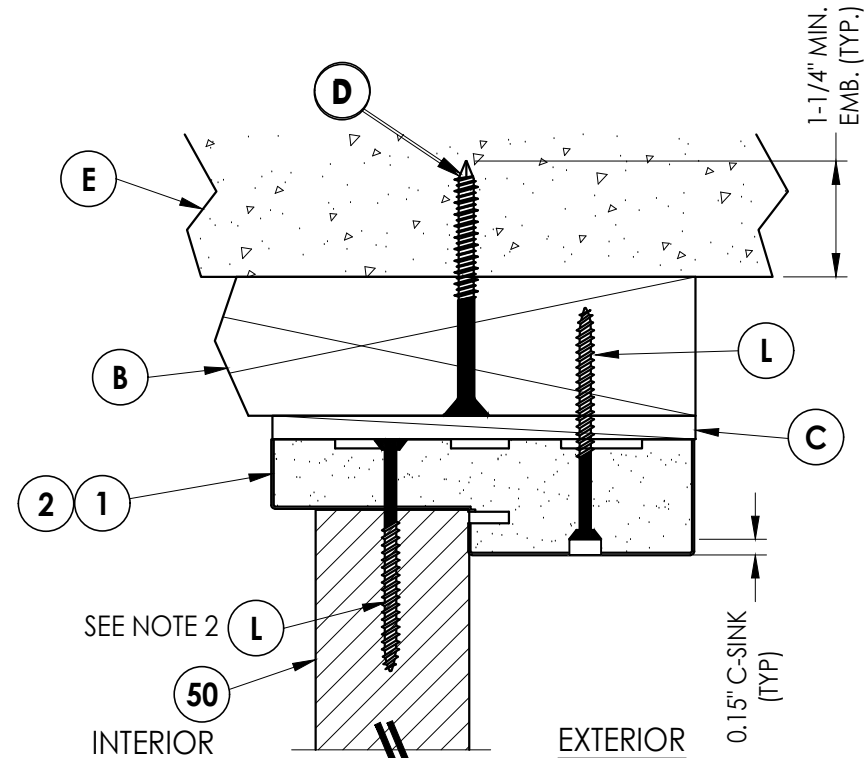
1 HORIZONTAL CROSS SECTION
6 Outswing shown - Inswing also approved

Note:

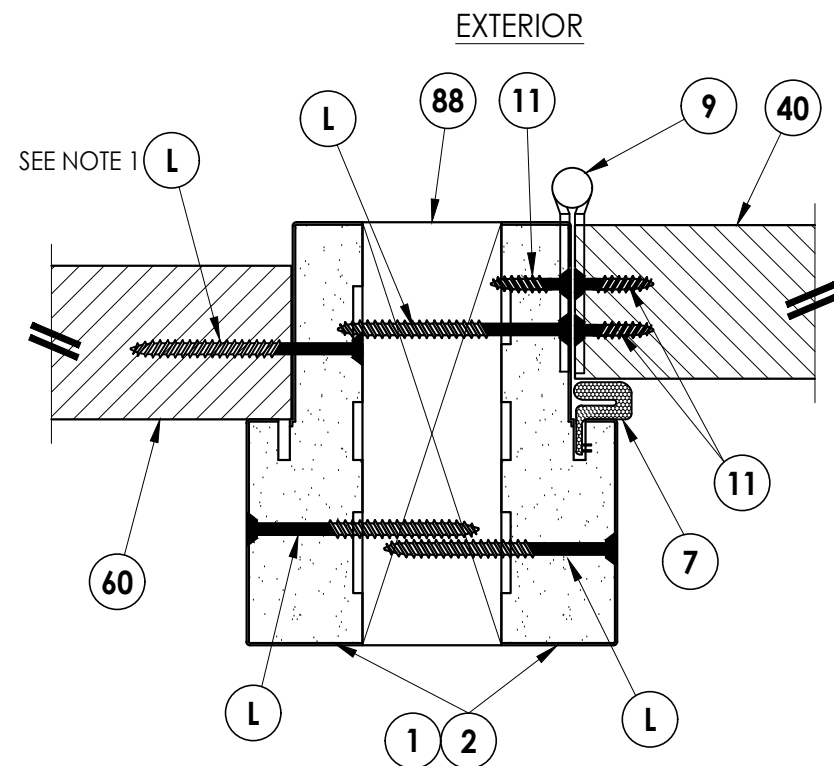
1. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
2. Spacing for item L: 3" from each end and @ center line (3 total).



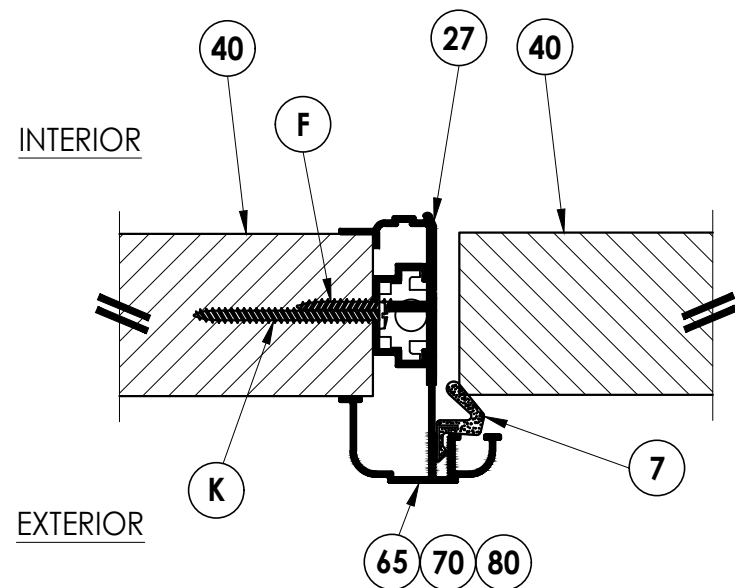
5 VERTICAL CROSS SECTION
6 Outswing shown (Inswing similar)



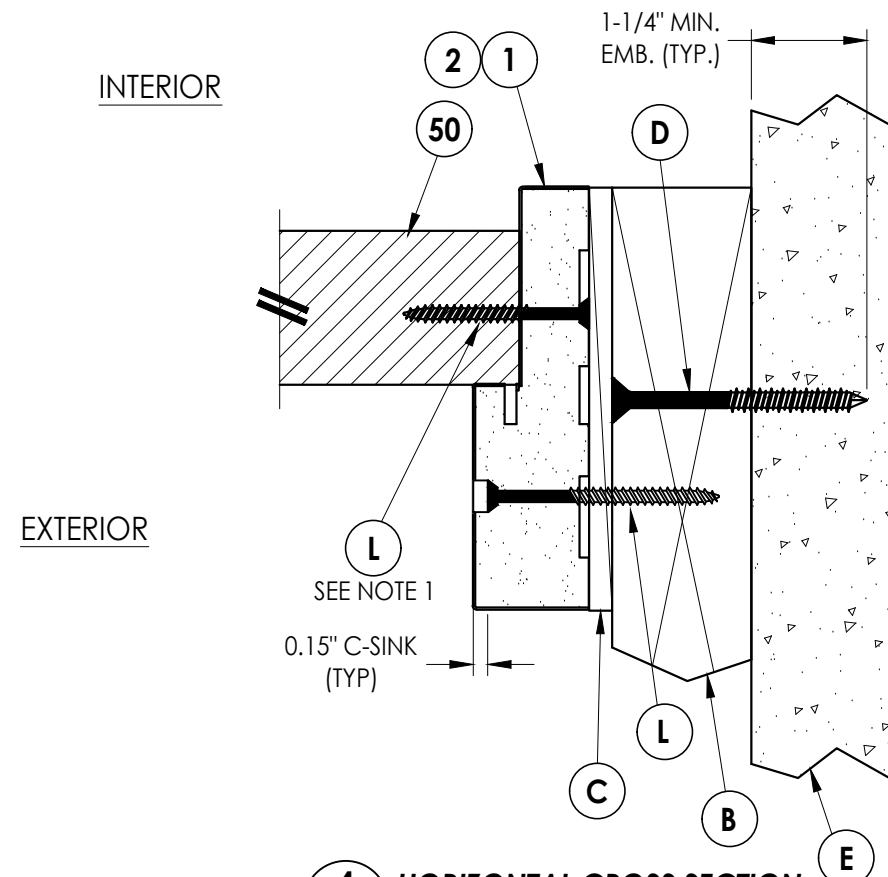
6 VERTICAL CROSS SECTION
6 Outswing shown (Inswing similar)



2 HORIZONTAL CROSS SECTION
6 Outswing shown - Inswing also approved
Shown with 1X reinforcement



3 HORIZONTAL CROSS SECTION
6 Outswing shown - Inswing also approved



4 HORIZONTAL CROSS SECTION
6 Outswing shown (Inswing similar)

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:

HORIZONTAL
CROSS SECTIONS

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

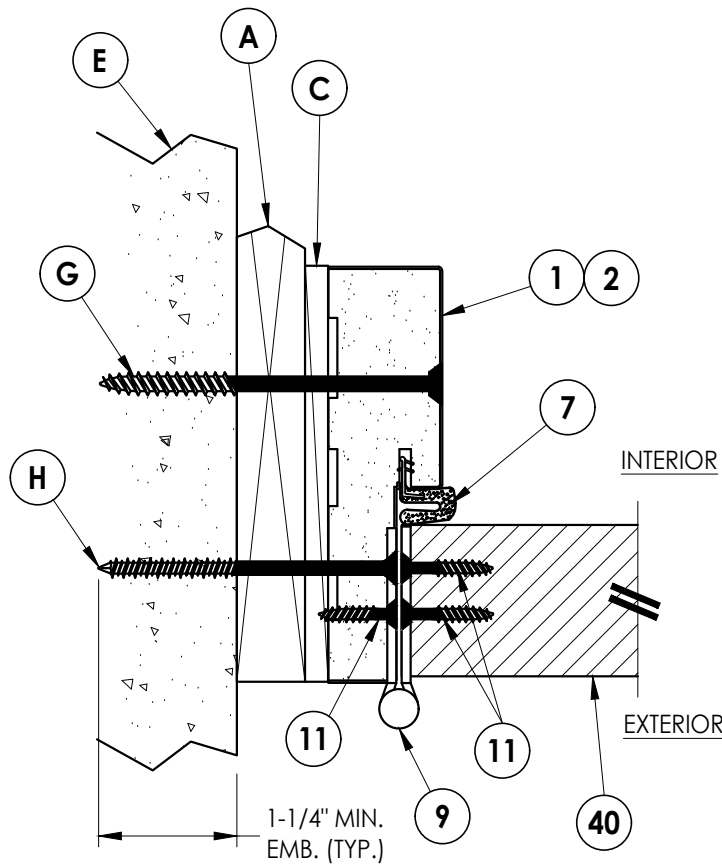
FL-15210.3

SHEET 6 OF 19

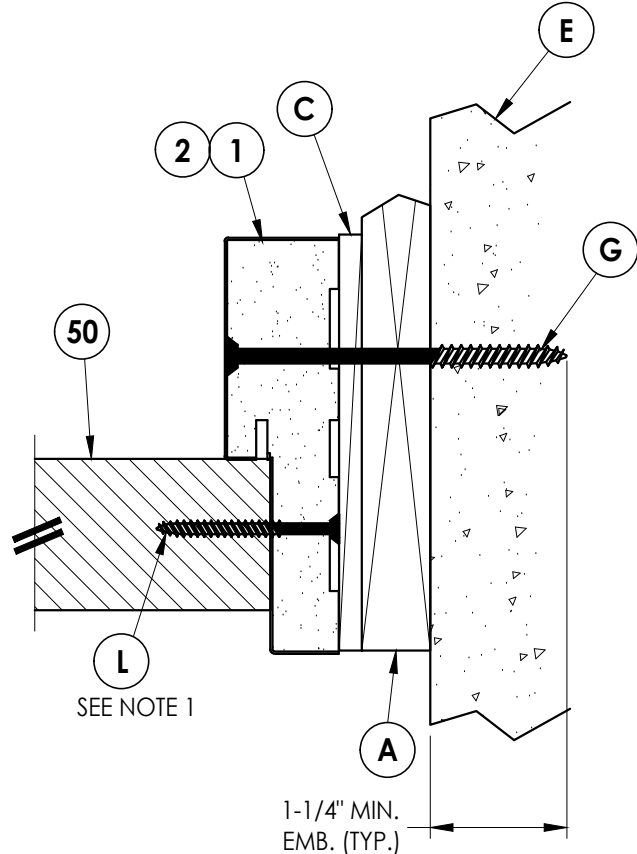
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Note:

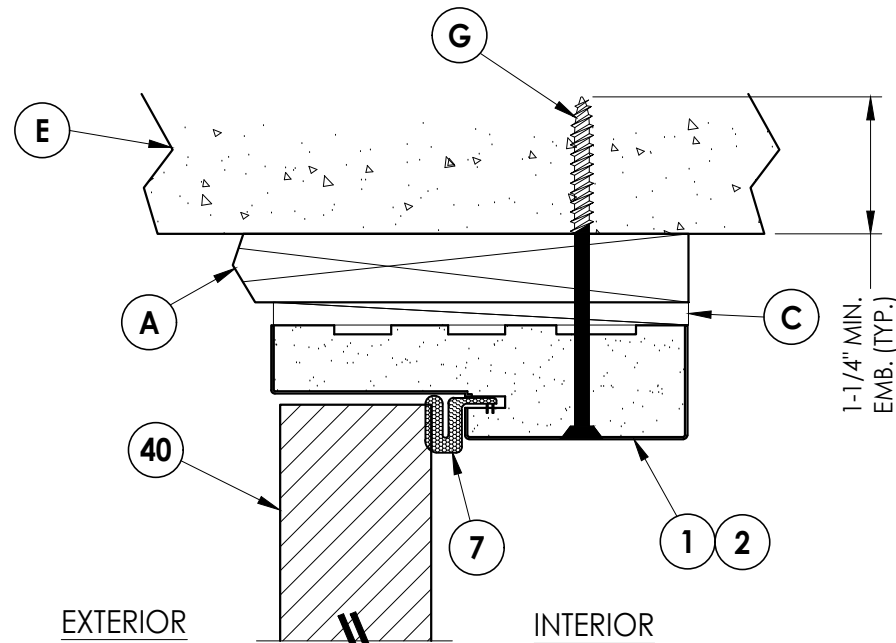
1. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
2. Spacing for item L: 3" from each end and @ center line (3 total).



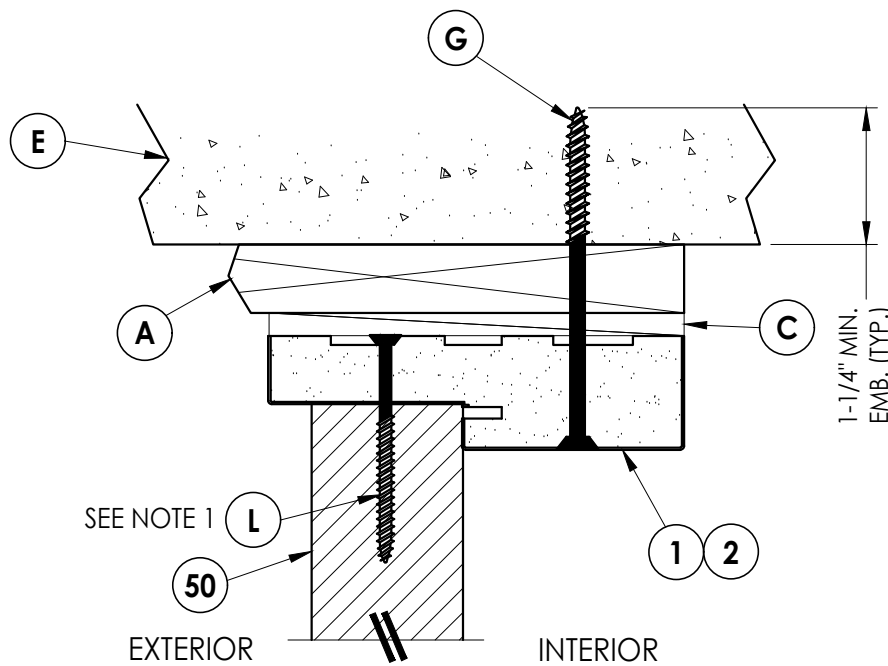
1
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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



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

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
CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS
5	7/02/26	UPDATE TO 9TH ED. (2026) FBC
4	8/17/23	UPDATE TO 8TH ED. (2023) FBC
3	7/29/20	UPDATE TO 7TH ED. (2020) FBC
2	7/24/17	& REVISE ENDURA ULT. ASTRAGAL
1	3/9/15	UPDATE TO 5TH ED. (2014) FBC
1	3/9/15	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	UPDATE TO 5TH ED. (2014) FBC
1	3/9/15	UPDATE TO 6TH ED. (2017) FBC

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

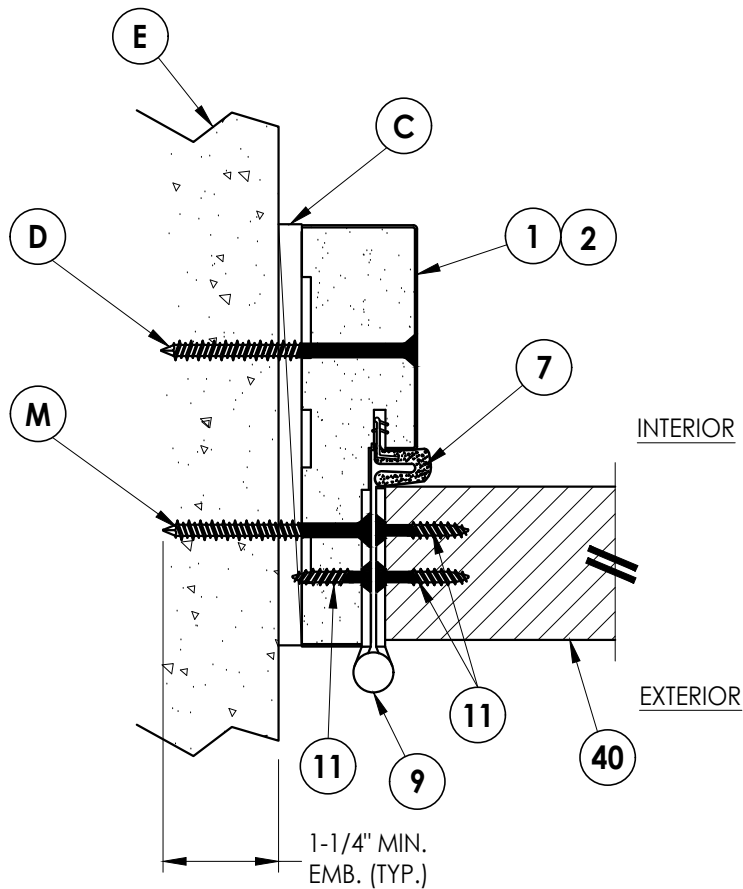
FL-15210.3

SHEET 7 OF 19

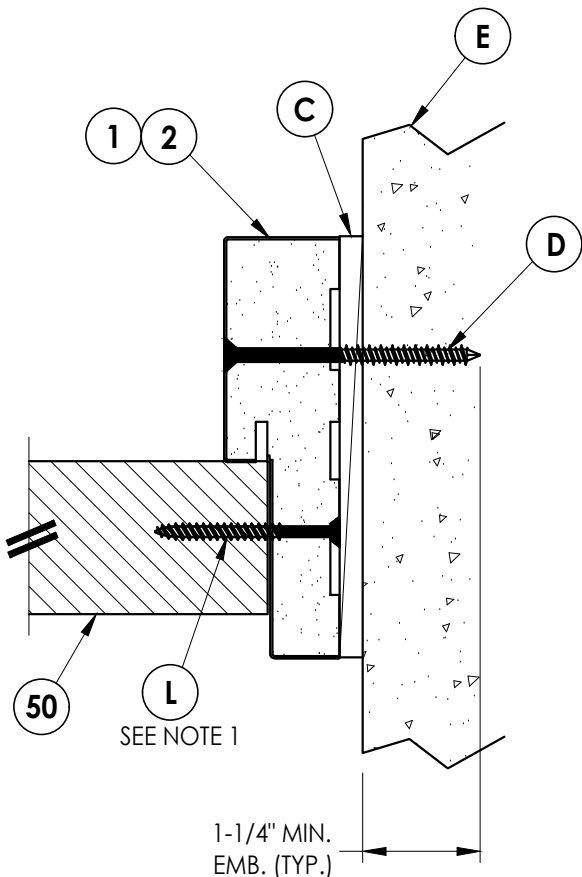
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg

Note:

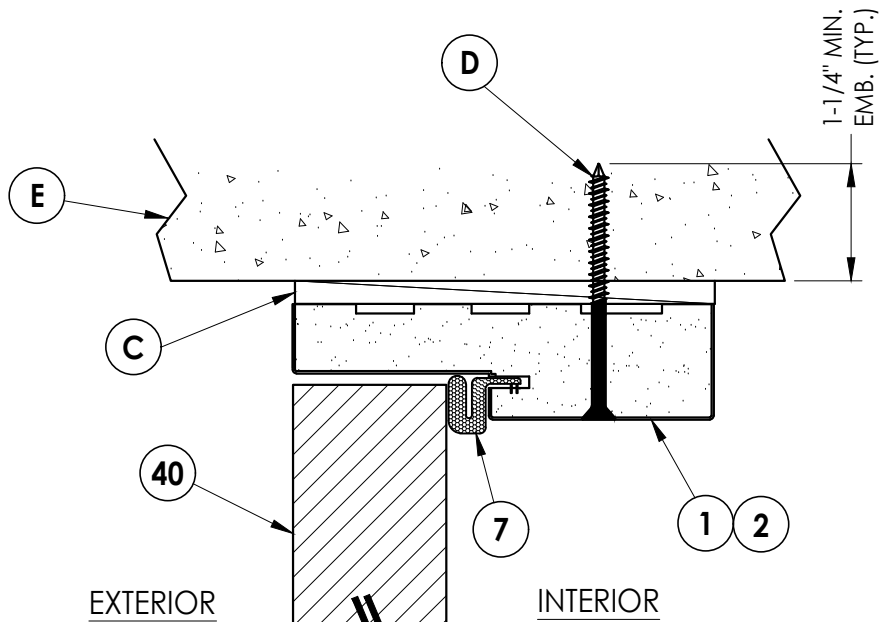
1. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
2. Spacing for item L: 3" from each end and @ center line (3 total).



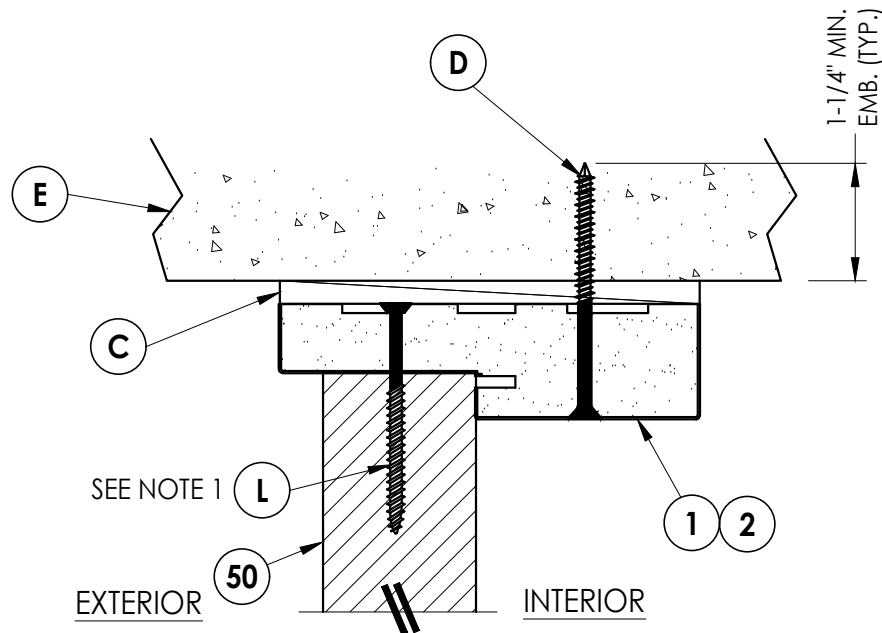
1
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



2
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



3
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



4
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

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

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

DATE: 02/16/12

SCALE: N.T.S.

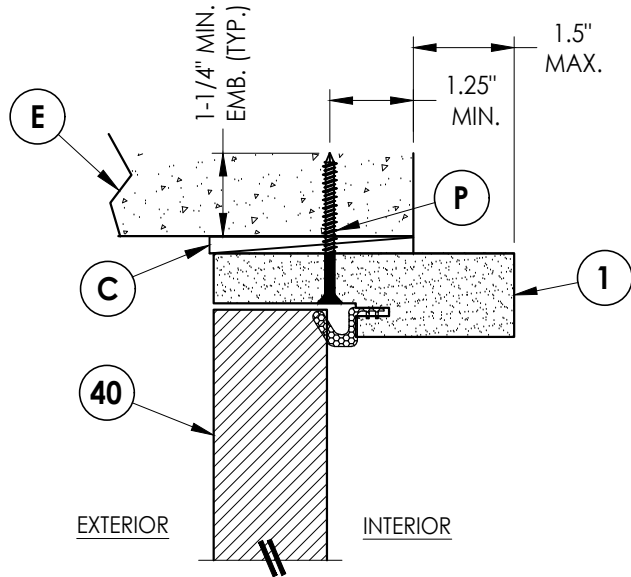
DWG. BY: JK

CHK. BY: LFS

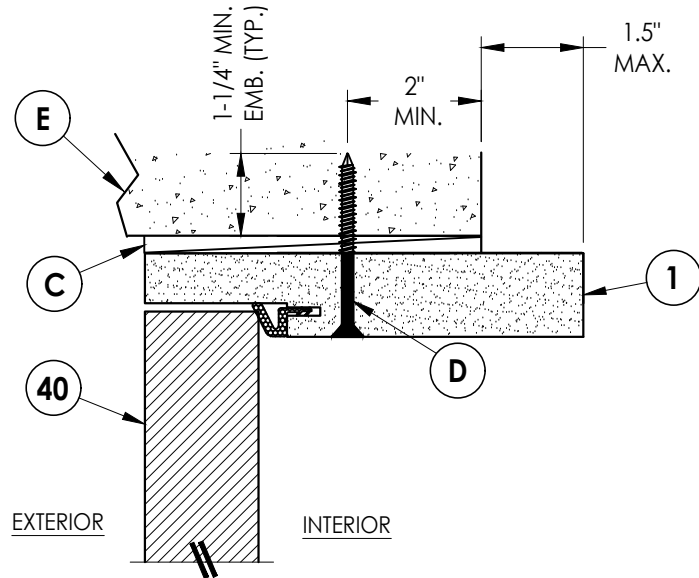
DRAWING NO.:
FL-15210.3

SHEET 8 OF 19

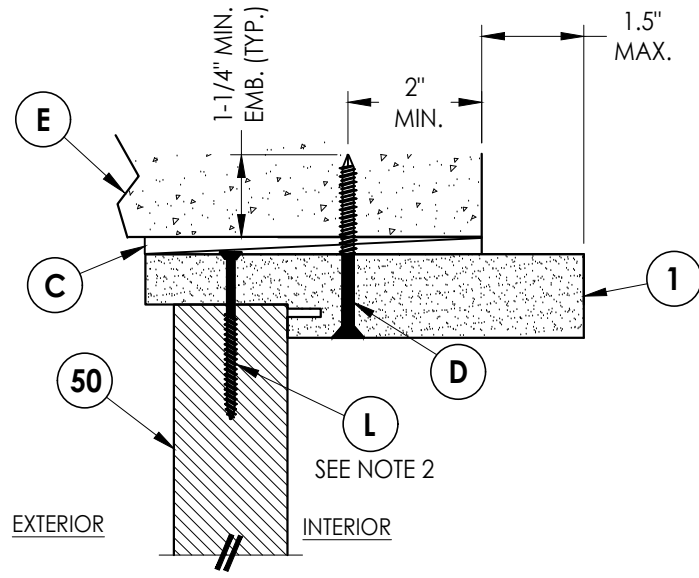
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



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

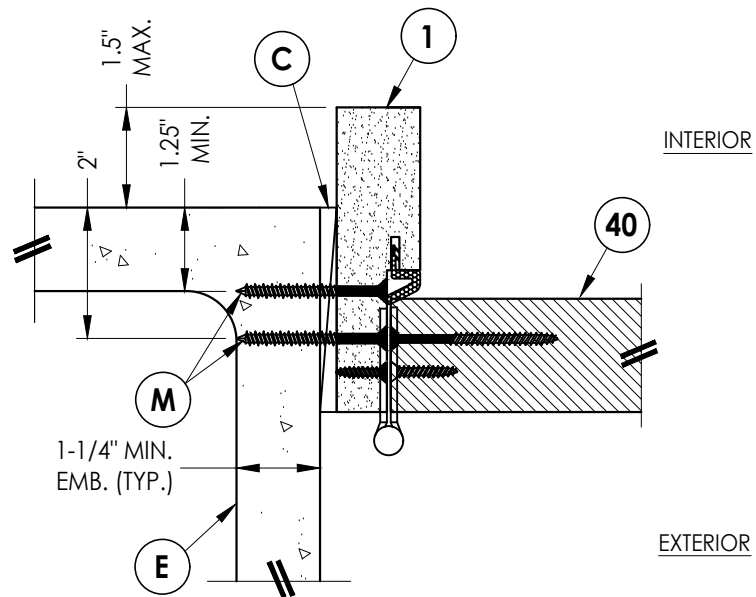


5
9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

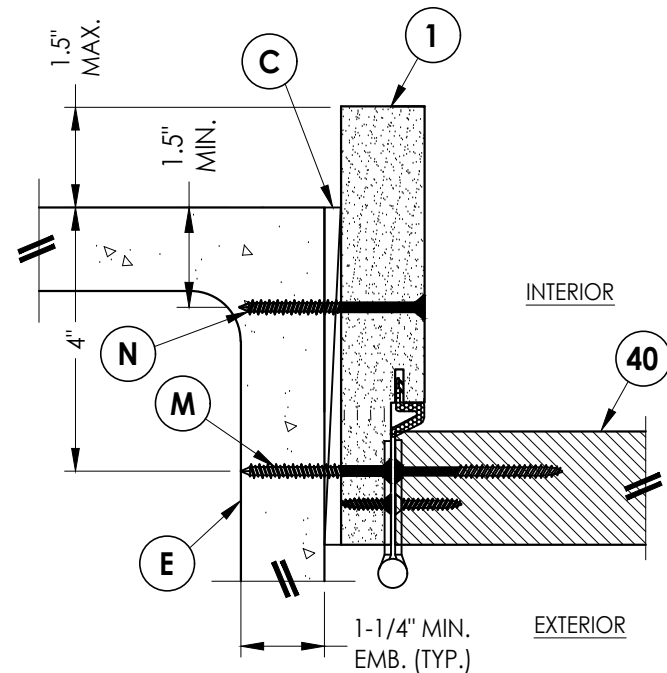


6
9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

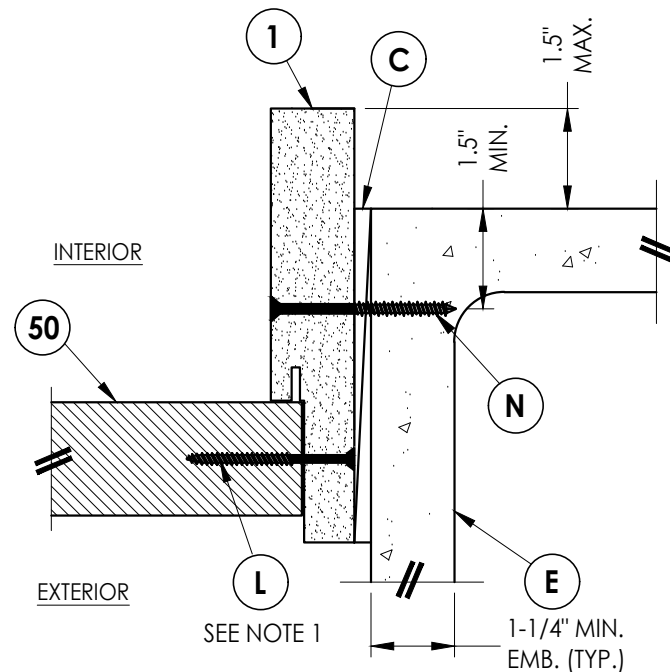
- Note:
- Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
 - Spacing for item L: 3" from each end and @ center line (3 total).



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



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



3
9 **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

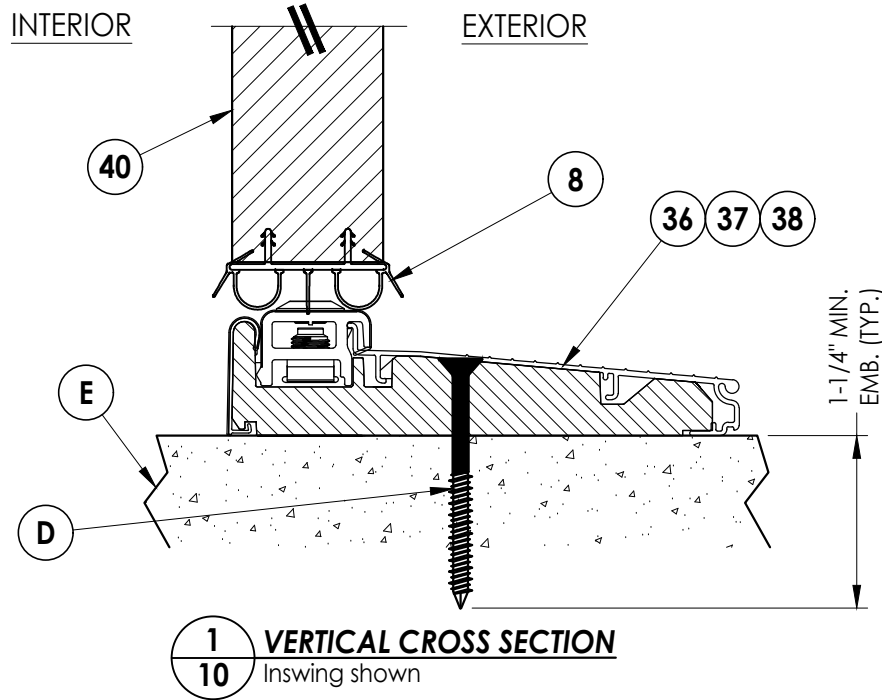
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	BY
5	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
4	8/17/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	7/29/20	UPDATE TO 7TH ED (2020) FBC	LFS
		& REVISE ENDURA ULT. ASTRAGAL	
2	7/24/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	3/9/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 02/16/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15210.3
SHEET 9 OF 19

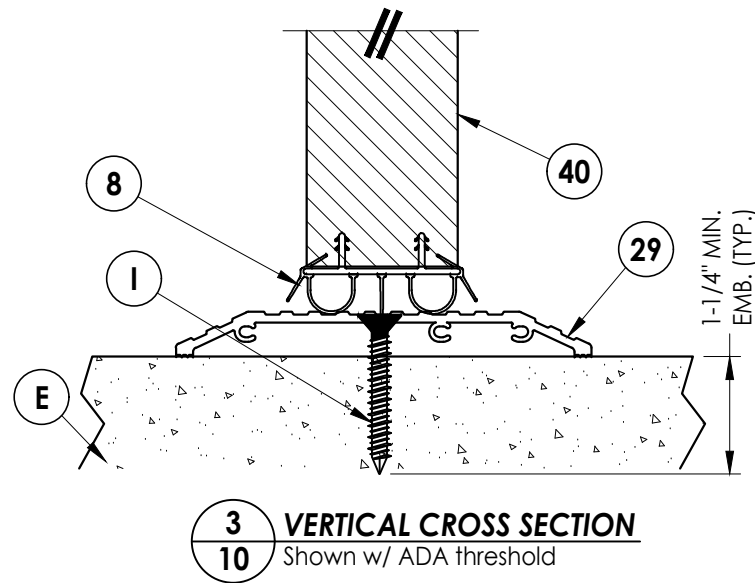
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



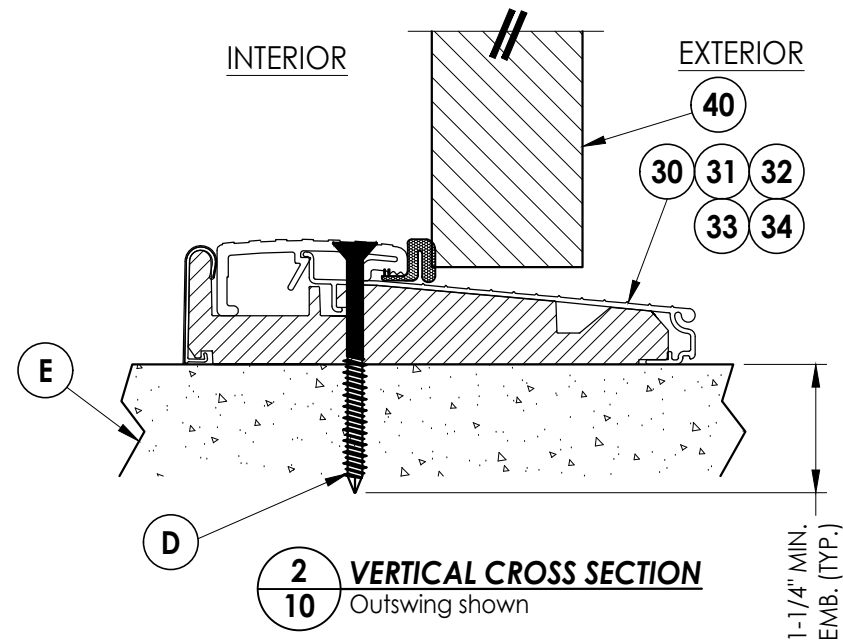
1
10 **VERTICAL CROSS SECTION**
Inswing shown

NOTE

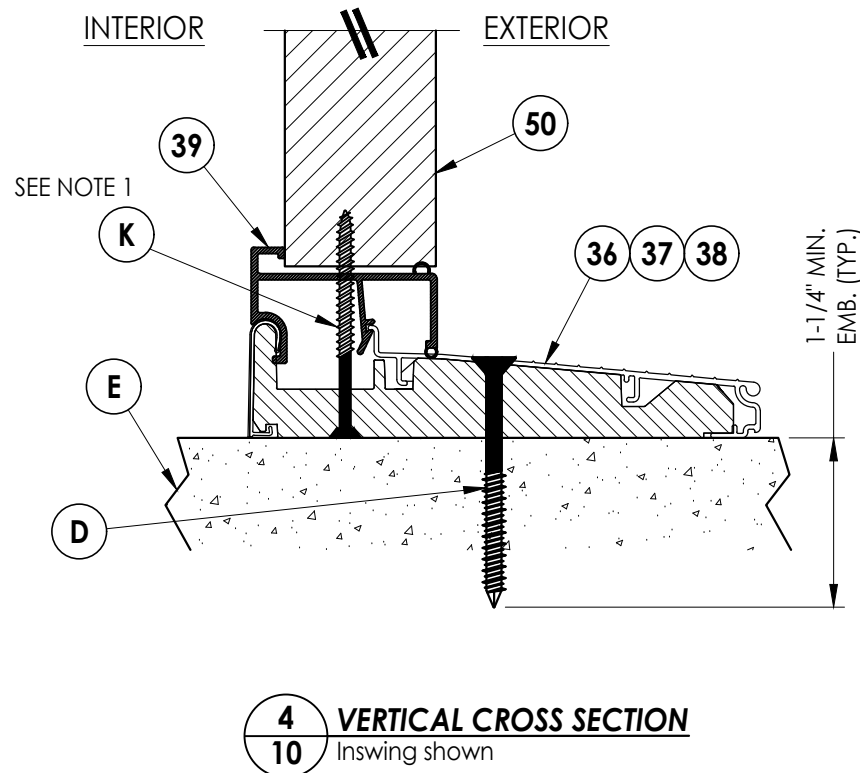
1. Spacing for item K:
6" from each end
and at centerline.



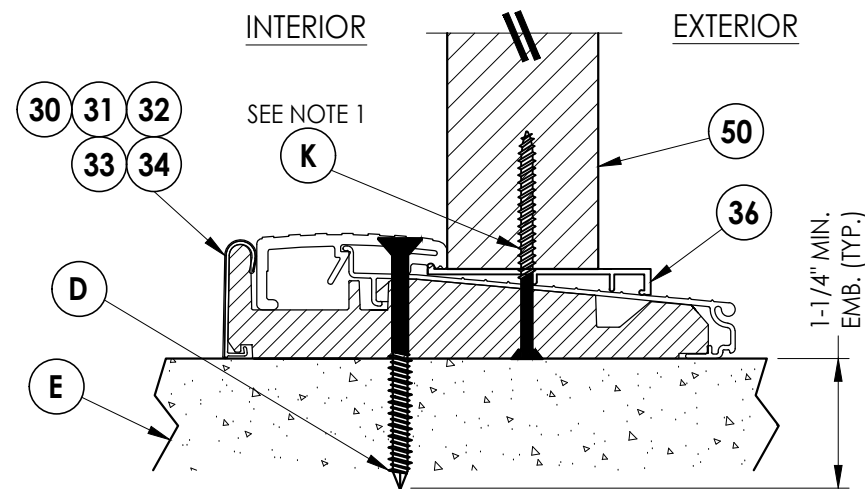
3
10 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold



2
10 **VERTICAL CROSS SECTION**
Outswing shown



4
10 **VERTICAL CROSS SECTION**
Inswing shown



5
10 **VERTICAL CROSS SECTION**
Outswing shown

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
5	7/02/26	UPDATE TO 9TH ED. (2026) FBC
4	8/17/23	UPDATE TO 8TH ED. (2023) FBC
3	7/29/20	UPDATE TO 7TH ED. (2020) FBC
2	7/24/17	REVISE ENDURA ULT. ASTRAGAL
1	3/9/15	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

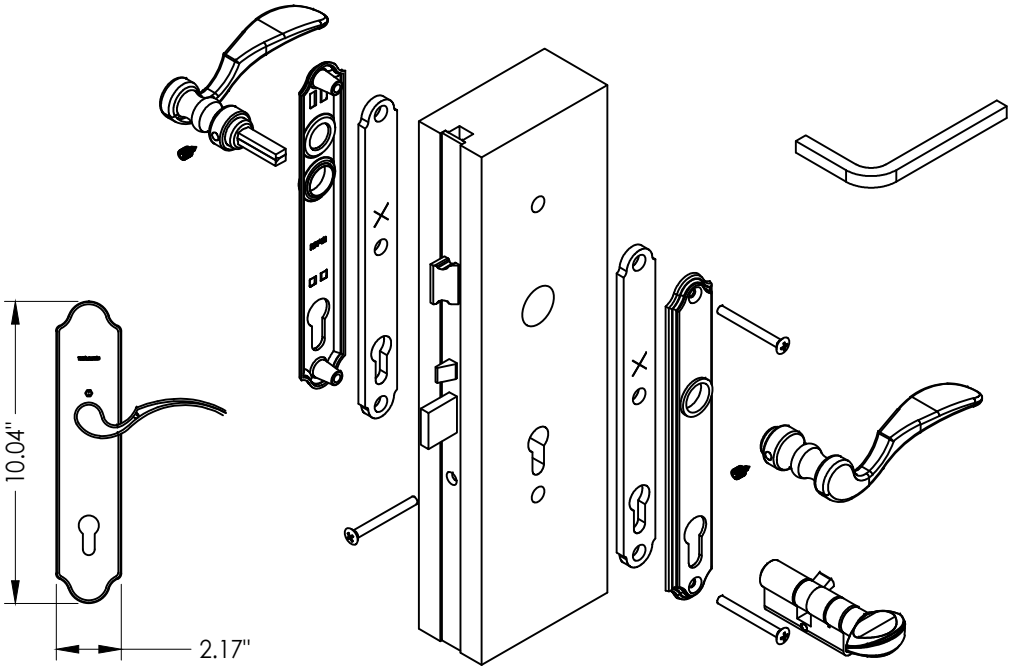
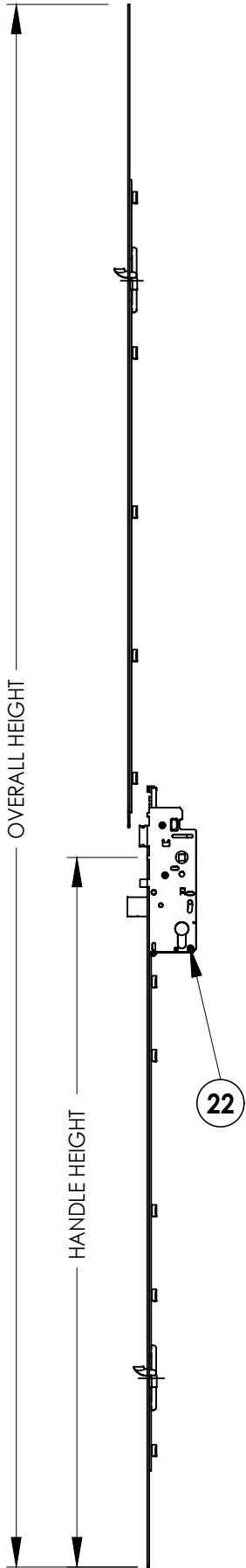
CHK. BY: LFS

DRAWING NO.:
FL-15210.3

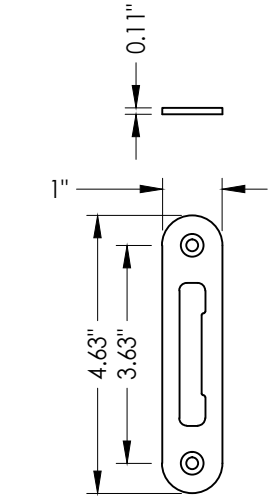
SHEET 10 OF 19

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg

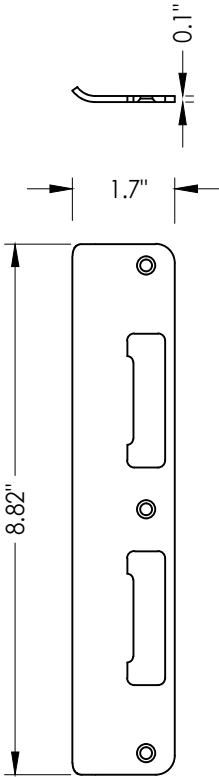
MANUAL RAISED TONGUE GEAR SYSTEM



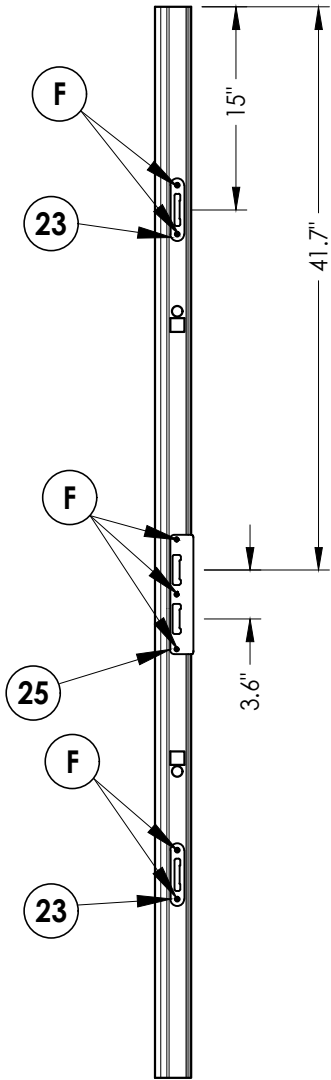
22 HOPPE MULTIPOINT LOCKSET
HLS9000 3-Point "Tongue"



23 MULTIPOINT STRIKE PLATE



25 LATCH AND DEADBOLT STRIKE PLATE
Tongue system



STRIKE JAMB

5	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
4	8/17/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
3	7/29/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
		& REVISE ENDURA ULT. ASTRAGAL			
2	7/24/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
1	3/9/15	UPDATE TO 5TH ED.	(2014)	FBC	JK
NO.	DATE				BY

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15210.3

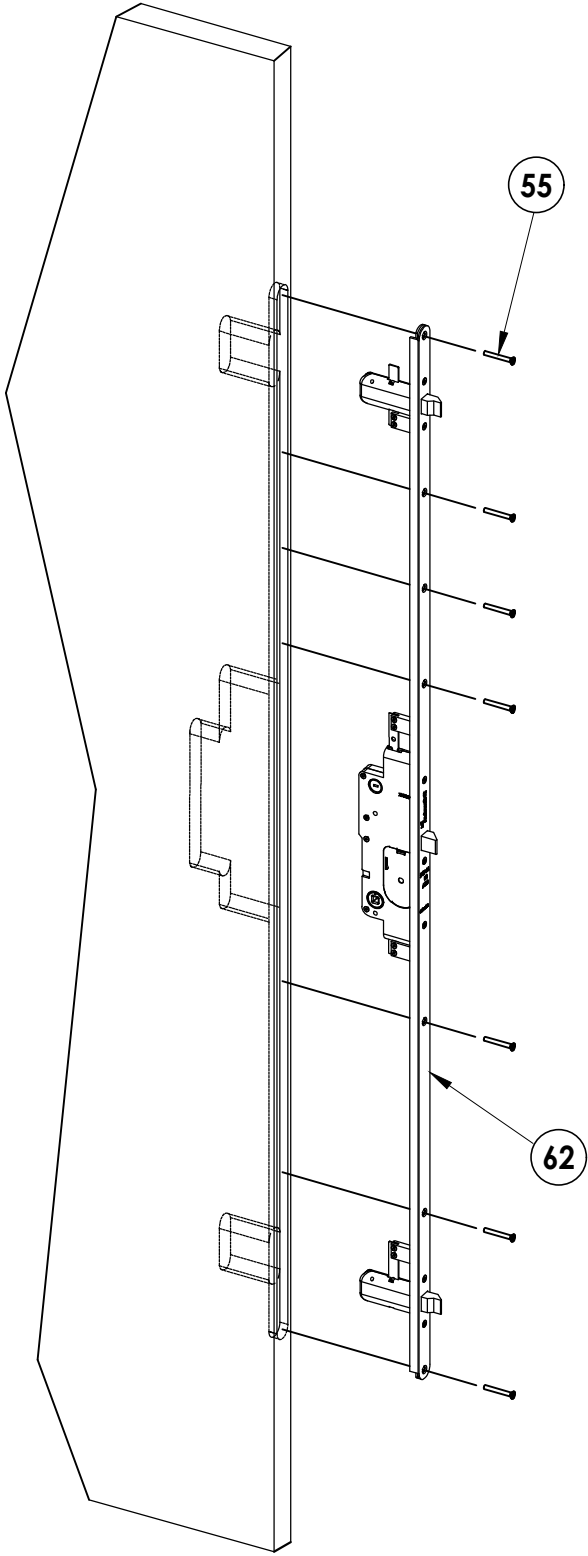
SHEET 11 OF 19

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

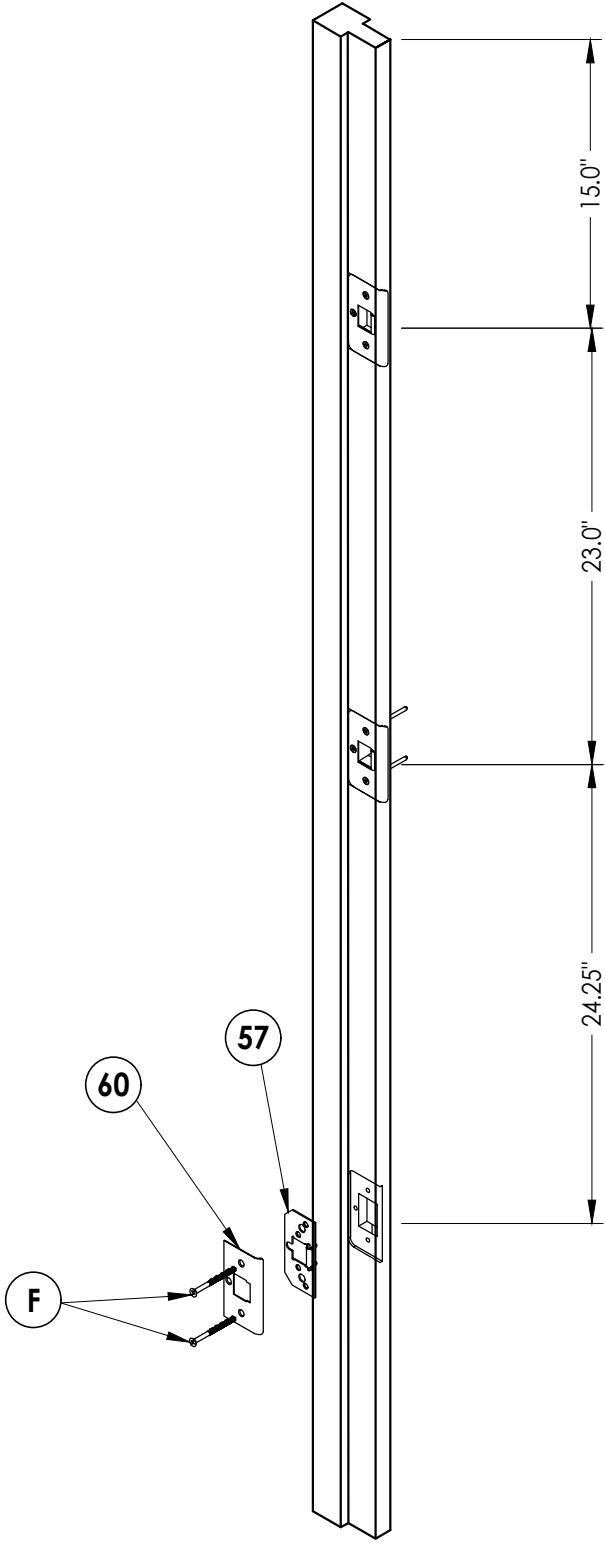
PART OR ASSEMBLY:
3-POINT LOCK DETAILS

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



ENDURA TRILENNIUM 3000
3 pt. Lock



ASTRAGAL STRIKE DETAIL

5	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
	4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
	3	7/29/20	UPDATE TO 7TH ED (2020)	FBC
		& REVISE ENDURA ULT. ASTRAGAL		
	2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
	NO. DATE			BY
REVISIONS				

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15210.3

SHEET 12 OF 19

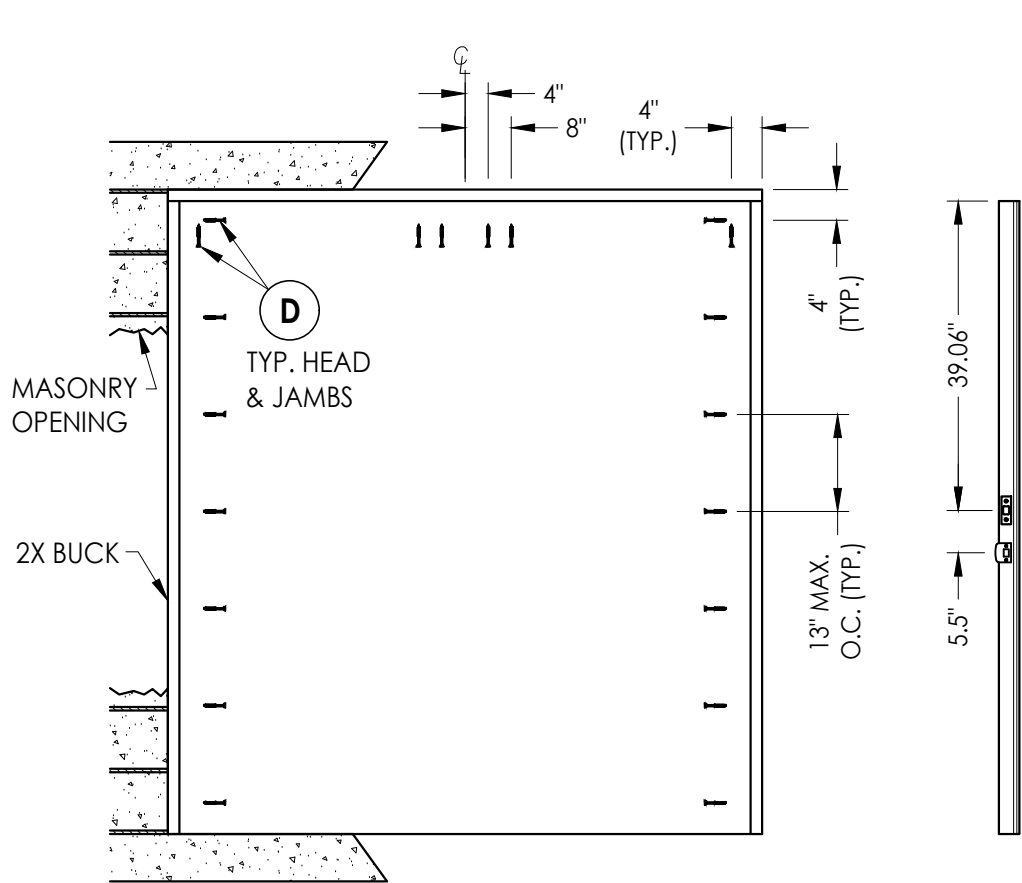
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

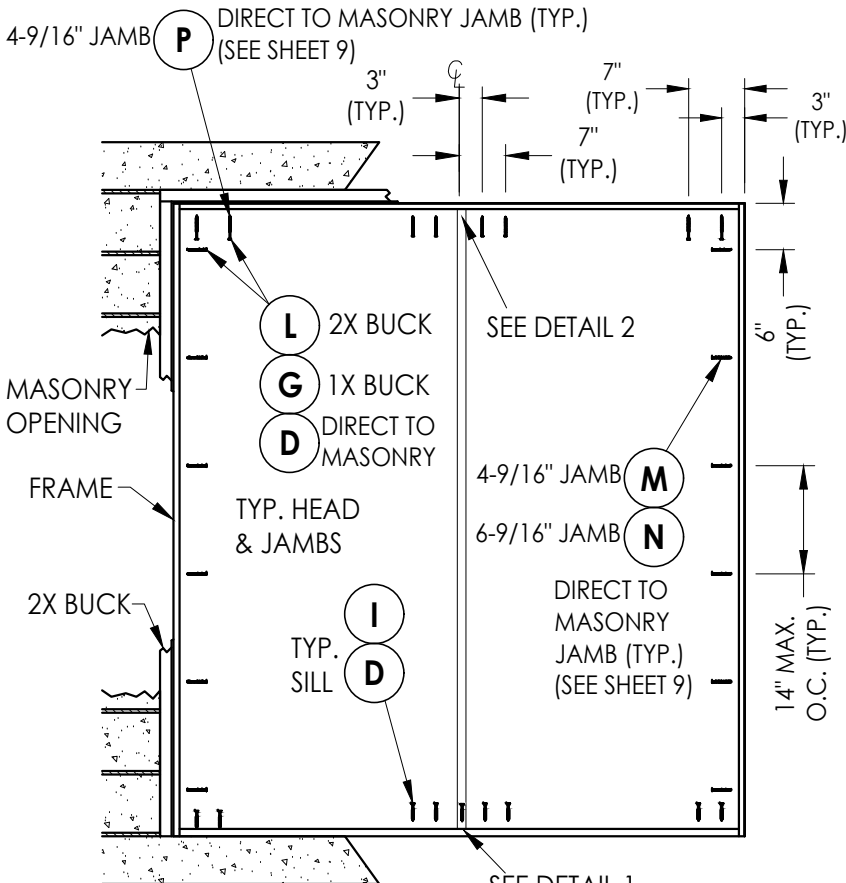
PART OR ASSEMBLY:
3-POINT LOCK DETAILS

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

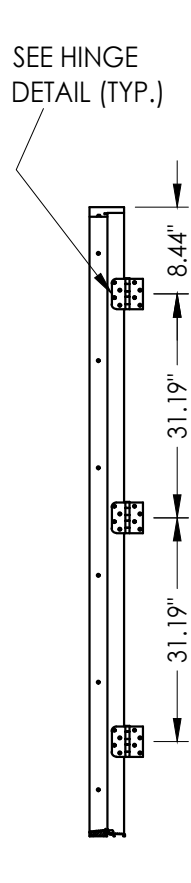
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



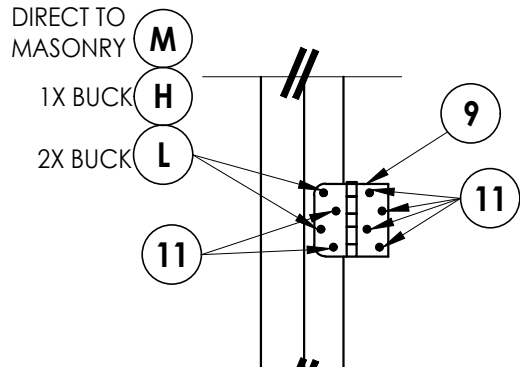
BUCK ANCHORING
XX



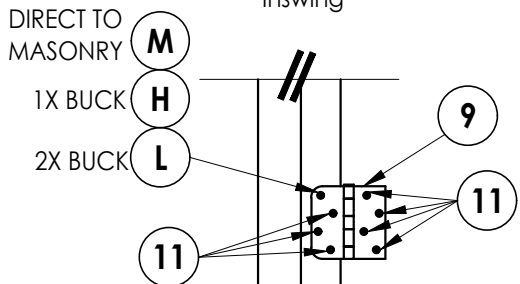
FRAME ANCHORING
XX



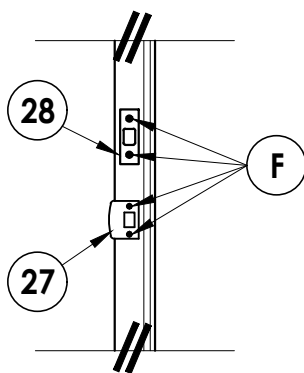
HINGE JAMB



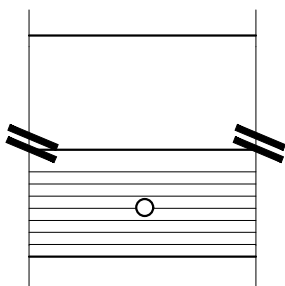
HINGE DETAIL
Inswing



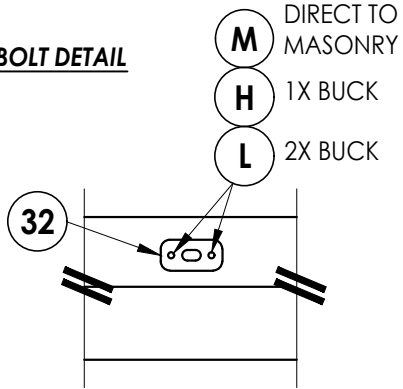
HINGE DETAIL
Outswing



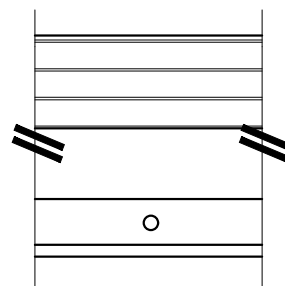
LATCH & DEAD BOLT DETAIL



DETAIL 1
Astragal throw bolts
at the threshold
(Outswing)



DETAIL 2
Attach astragal throw bolt
strike plate to frame
as shown



DETAIL 1
Astragal throw bolts
at the threshold
(Inswing)

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.

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 ULTRAACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	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.

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

RW

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING
(XX)

NO.	DATE	REVISIONS
5	7/02/26	UPDATE TO 9TH ED. (2026) FBC
4	8/17/23	UPDATE TO 8TH ED. (2023) FBC
3	7/29/20	UPDATE TO 7TH ED. (2020) FBC
2	7/24/17	& REVISE ENDURA ULT. ASTRAGAL
1	3/9/15	UPDATE TO 6TH ED. (2017) FBC
1	3/9/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 02/16/12

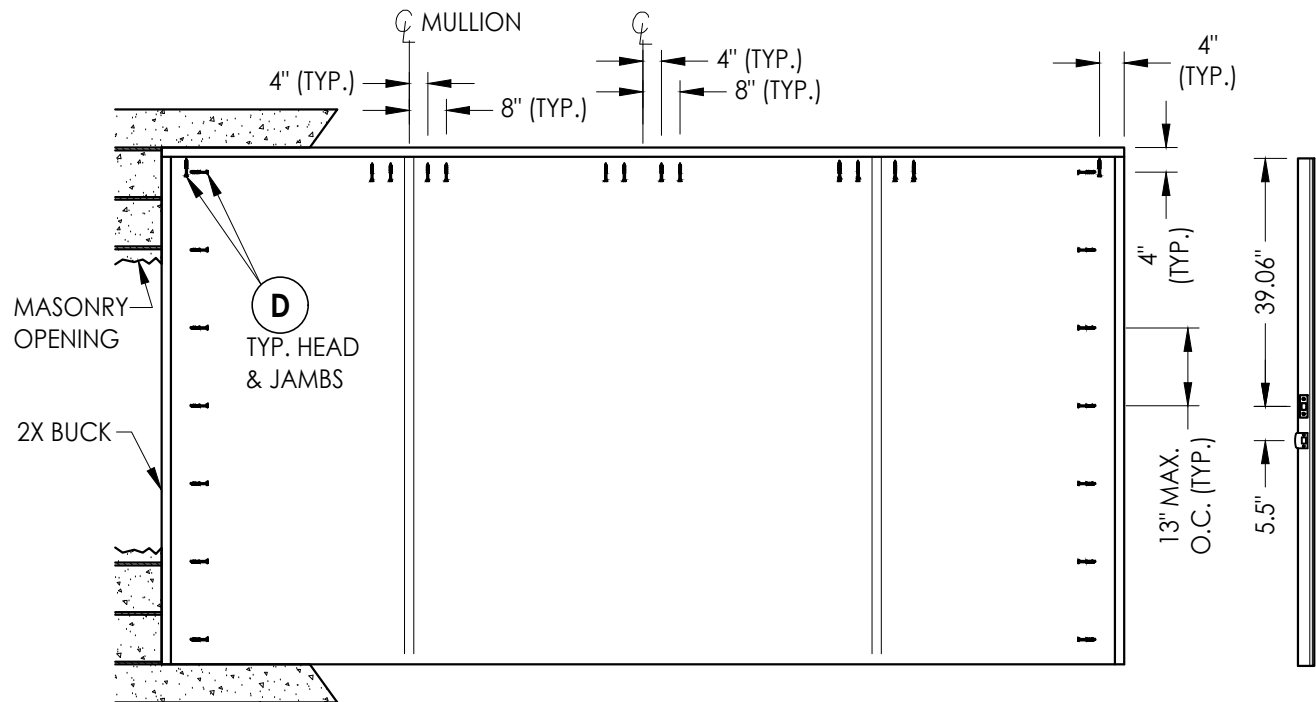
SCALE: N.T.S.

DWG. BY: JK

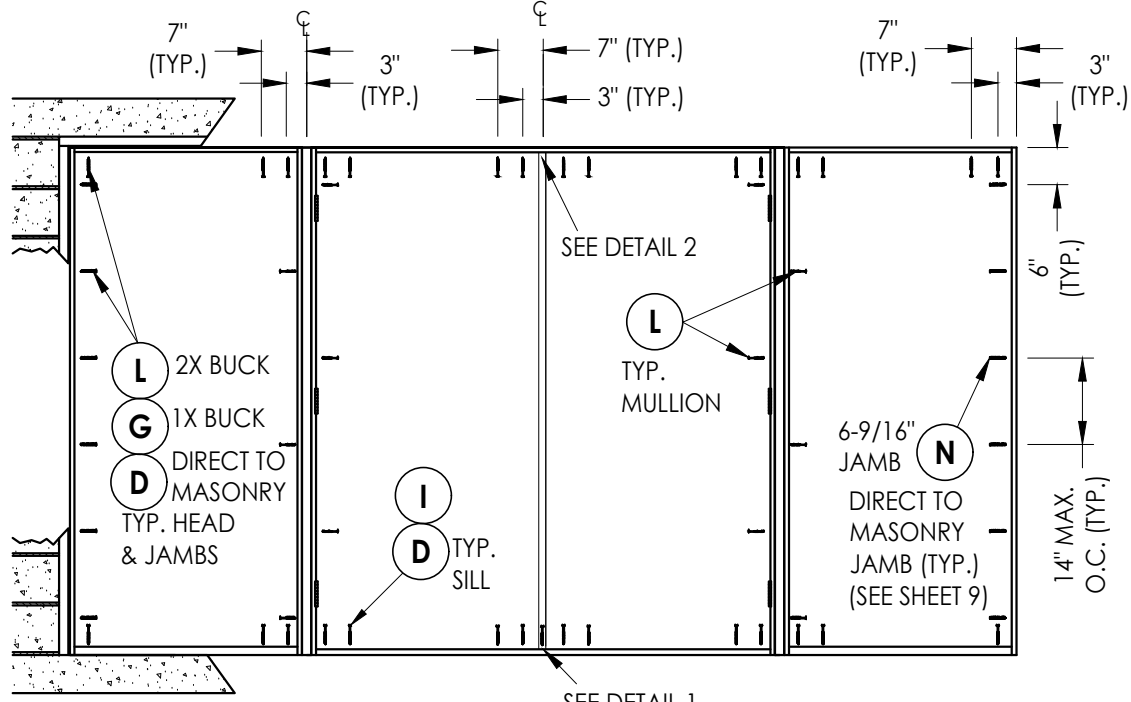
CHK. BY: LFS

DRAWING NO.: FL-15210.3

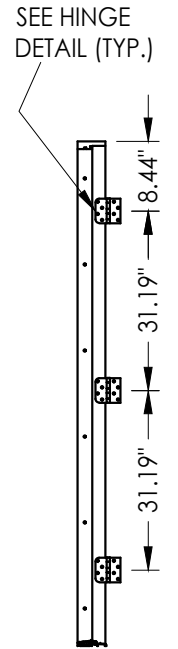
SHEET 13 OF 19



BUCK ANCHORING
OXXO



FRAME ANCHORING
OXXO



HINGE JAMB

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.

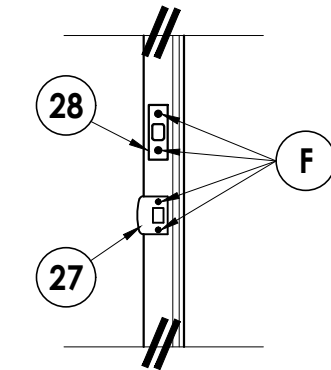
CONCRETE ANCHOR NOTES:

- 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:

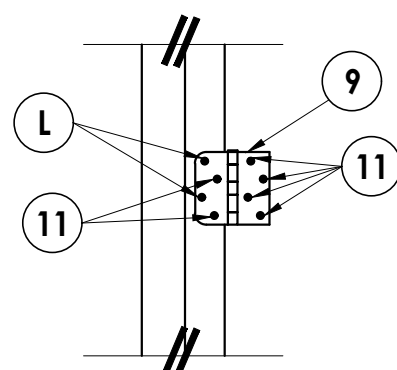
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA CON+®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

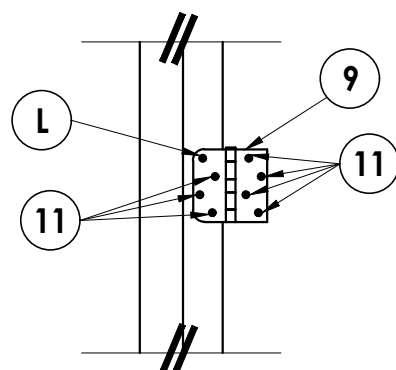
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



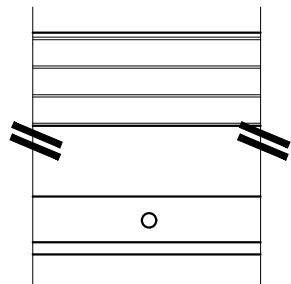
LATCH & DEAD BOLT DETAIL



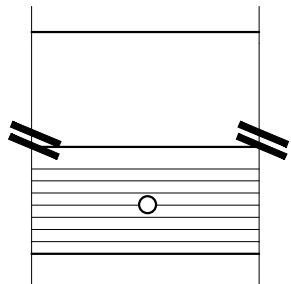
HINGE DETAIL
Inswing



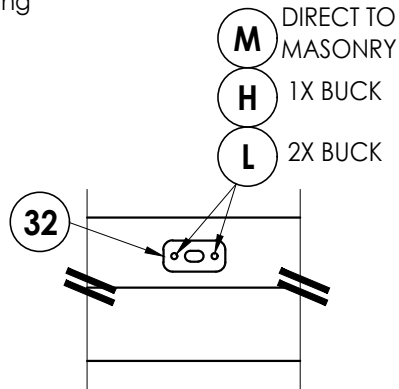
HINGE DETAIL
Outswing



DETAIL 1
Astragal throw bolts
at the threshold
(Inswing)



DETAIL 1
Astragal throw bolts
at the threshold
(Outswing)



DETAIL 2
Attach astragal throw bolt
strike plate to frame
as shown

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING
(OXXO)

	LFS	FBC	(2026)	9TH ED.	LFS	FBC	(2023)	LFS	FBC	(2020)	ASTRAGAL	JK	FBC	(2017)	JK	FBC	(2014)	BY
5	7/02/26	UPDATE TO	7/02/26	UPDATE TO	7/02/26	UPDATE TO	7/02/26	7/02/26	7/02/26	7/02/26	7/02/26	7/02/26	7/02/26	7/02/26	7/02/26	7/02/26	7/02/26	7/02/26
4	8/17/23	UPDATE TO	8/17/23	UPDATE TO	8/17/23	UPDATE TO	8/17/23	8/17/23	8/17/23	8/17/23	8/17/23	8/17/23	8/17/23	8/17/23	8/17/23	8/17/23	8/17/23	8/17/23
3	7/29/20	UPDATE TO	7/29/20	UPDATE TO	7/29/20	UPDATE TO	7/29/20	7/29/20	7/29/20	7/29/20	7/29/20	7/29/20	7/29/20	7/29/20	7/29/20	7/29/20	7/29/20	7/29/20
2	7/24/17	UPDATE TO	7/24/17	UPDATE TO	7/24/17	UPDATE TO	7/24/17	7/24/17	7/24/17	7/24/17	7/24/17	7/24/17	7/24/17	7/24/17	7/24/17	7/24/17	7/24/17	7/24/17
1	3/9/15	UPDATE TO	3/9/15	UPDATE TO	3/9/15	UPDATE TO	3/9/15	3/9/15	3/9/15	3/9/15	3/9/15	3/9/15	3/9/15	3/9/15	3/9/15	3/9/15	3/9/15	3/9/15
NO.	DATE																	

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

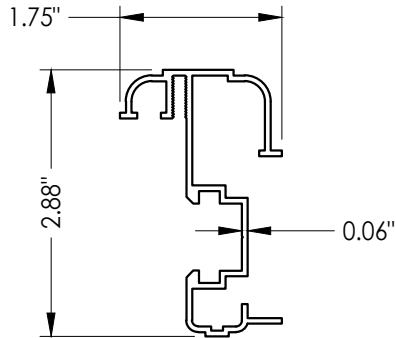
DRAWING NO.:

FL-15210.3

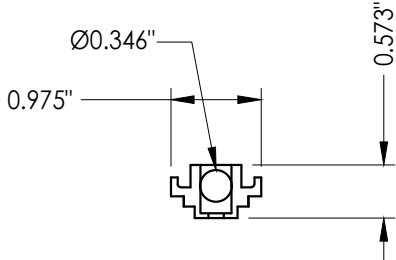
SHEET 14 OF 19

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

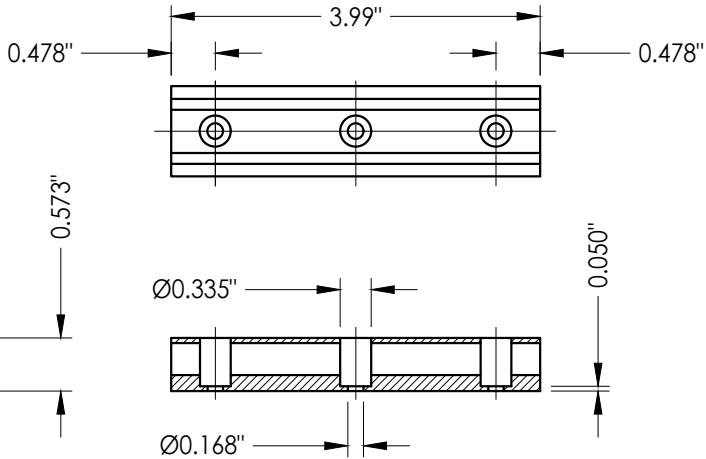
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



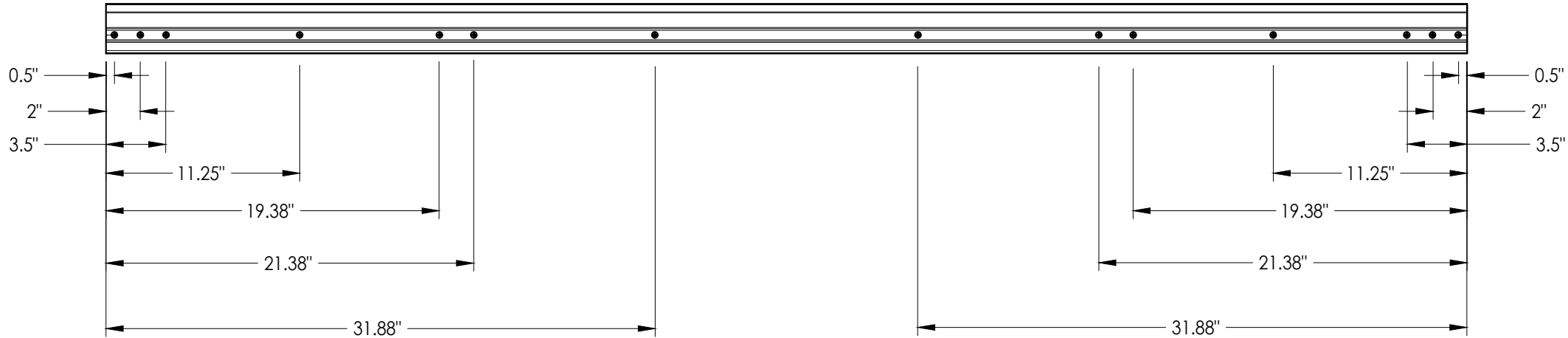
65 ASTRAGAL
DLP



66 CONCEALED STIFFENER



67 SLIDE BOLT ROD
Typ. top & bottom
of astragal
top through 1.98"
bottom through 1.98"



ASTRAGAL SCREW LOCATIONS

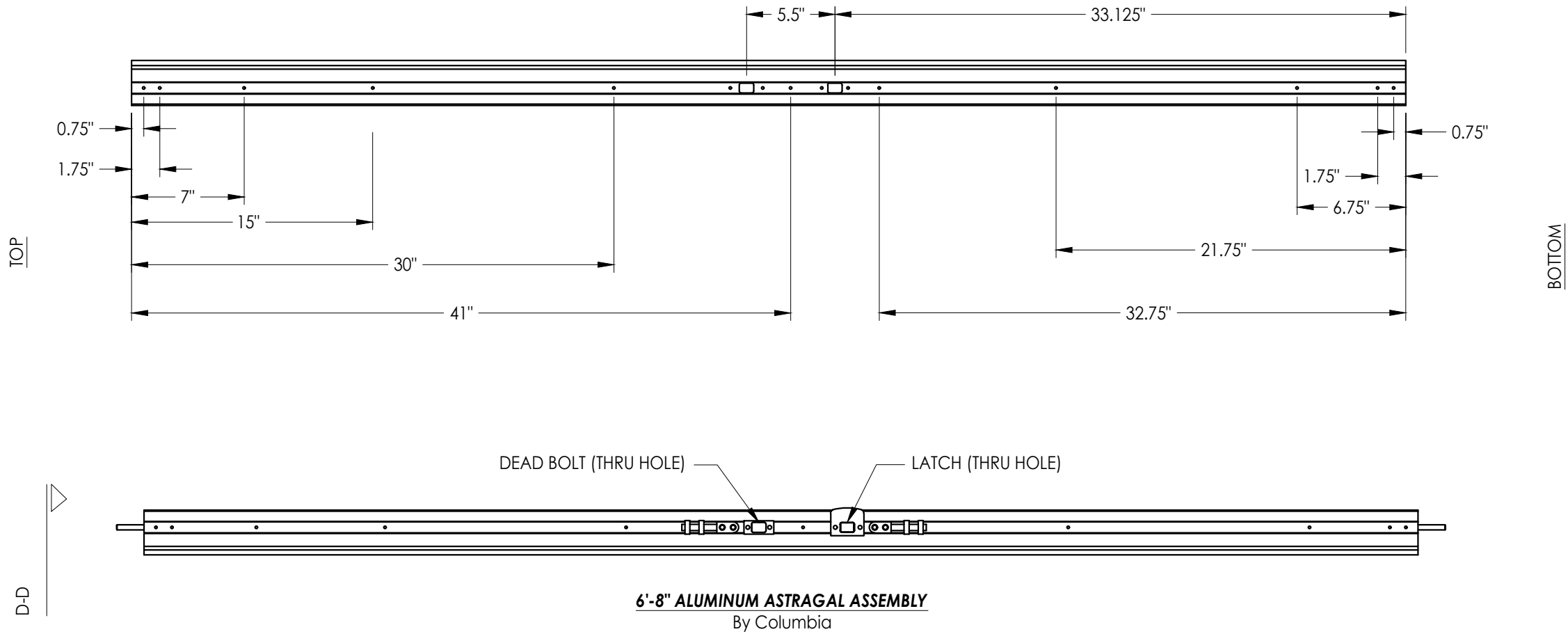
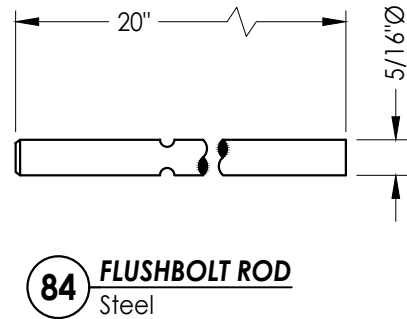
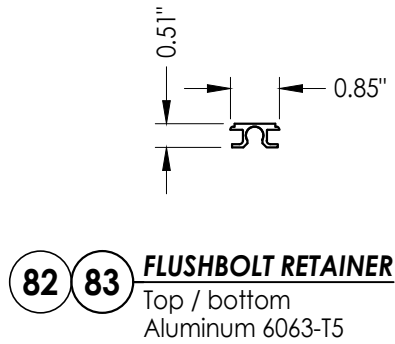
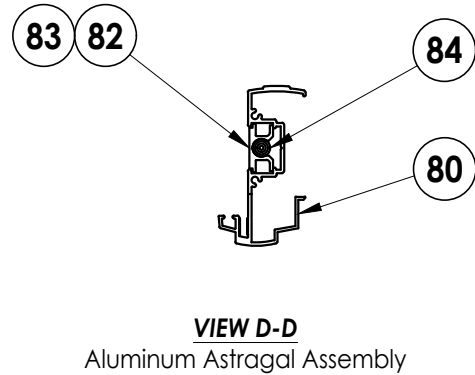
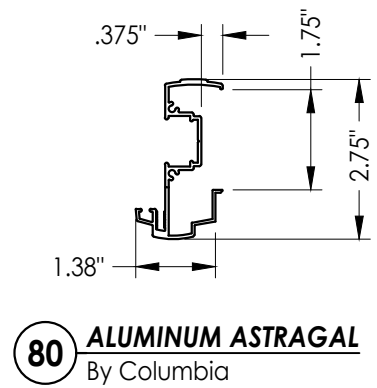
NO.	DATE	REVISIONS
5	7/02/26	UPDATE TO 9TH ED. (2026)
4	8/17/23	UPDATE TO 8TH ED. (2023)
3	7/29/20	UPDATE TO 7TH ED. (2020)
2	7/24/17	& REVISE ENDURA ULT. ASTRAGAL
1	3/9/15	UPDATE TO 6TH ED. (2017)
1	3/9/15	UPDATE TO 5TH ED. (2014)
NO.	DATE	BY

DATE:	02/16/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15210.3
SHEET	15 OF 19

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



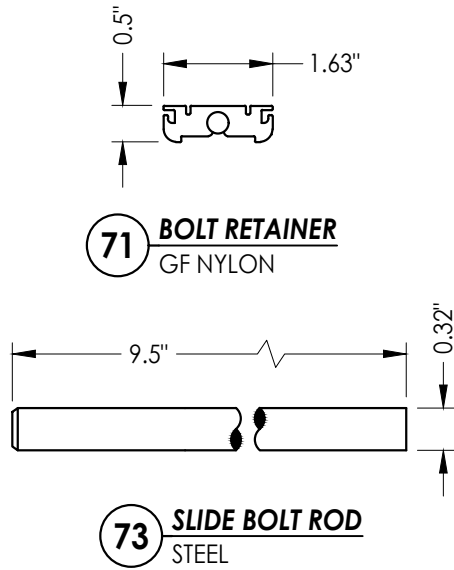
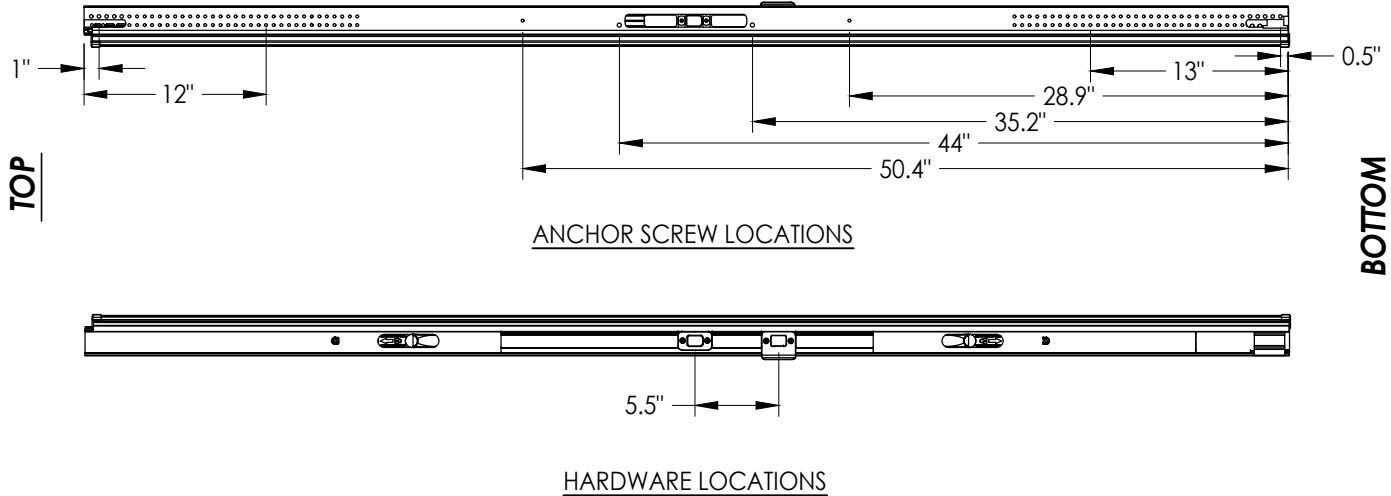
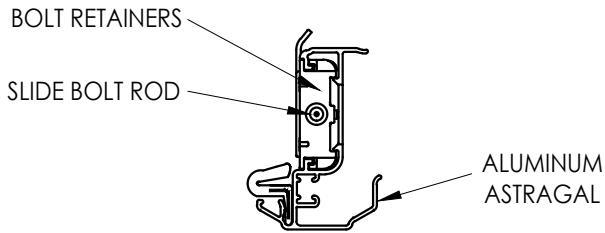
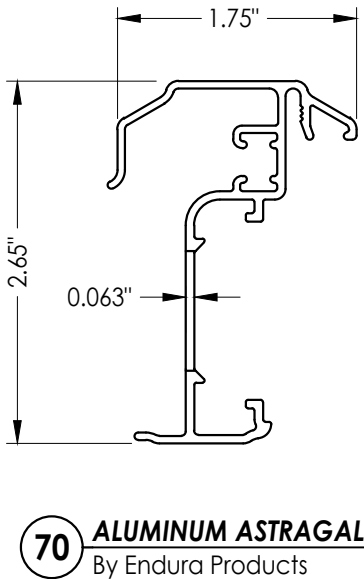
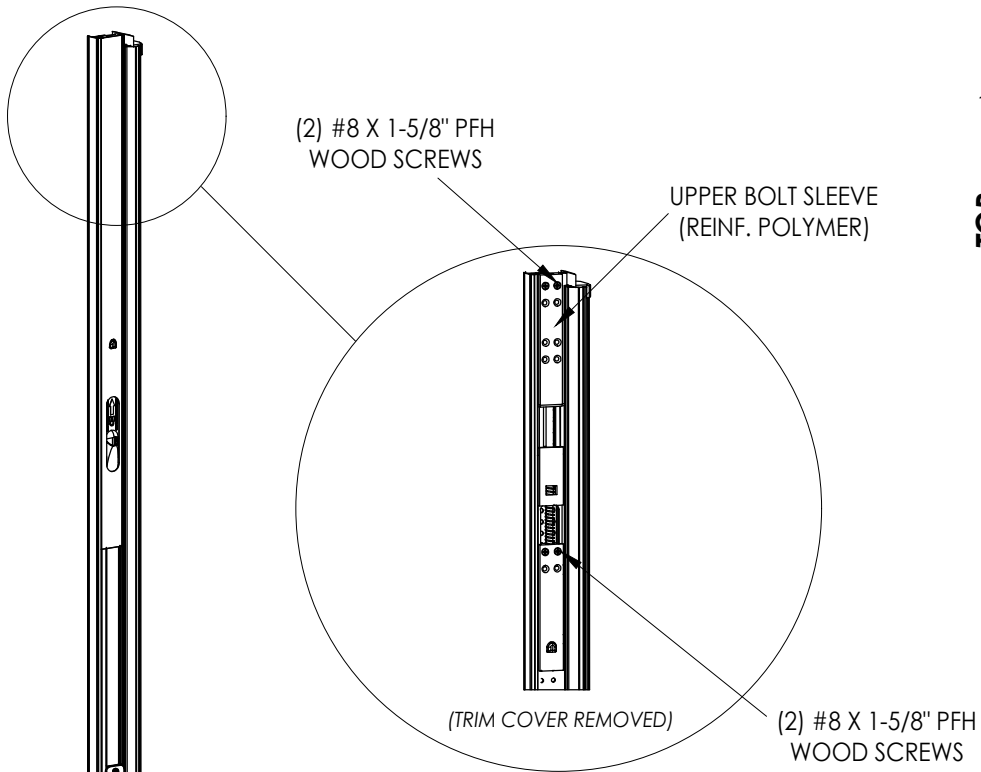
5	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
4	8/17/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
3	7/29/20	UPDATE TO 7TH ED	(2020)	FBC	LFS
		& REVISE ENDURA ULT. ASTRAGAL			
2	7/24/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
1	3/9/15	UPDATE TO 5TH ED.	(2014)	FBC	JK
NO.	DATE				
REVISIONS					

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

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

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

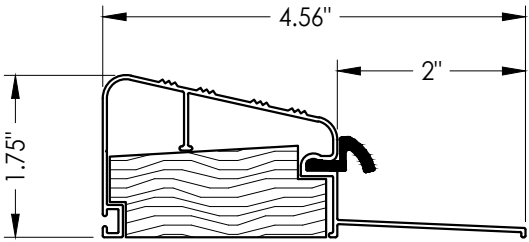
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



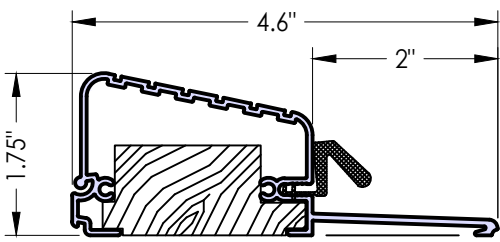
ULTIMATE HURRICANE ASTRAGAL

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: PRASTPRO INC. FIBERGLASS DOOR		PART OR ASSEMBLY: ASTRAGAL DETAILS (ULTIMATE HURRICANE)	
5	7/02/26	UPDATE TO 9TH ED. (2026)	FBC
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
3	7/29/20	UPDATE TO 7TH ED (2020)	FBC
2	7/24/17	& REVISE ENDURA ULT. ASTRAGAL	JK
1	3/9/15	UPDATE TO 6TH ED. (2017)	FBC
	NO. DATE	UPDATE TO 5TH ED. (2014)	FBC
REVISIONS			
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15210.3			
SHEET 17 OF 19			

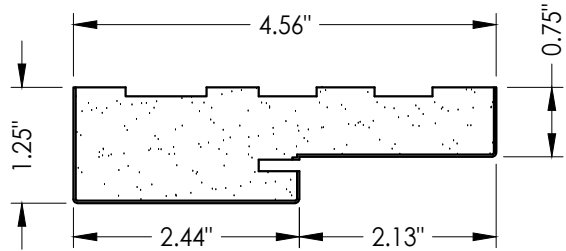
G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.dwg



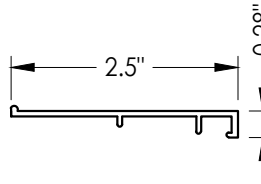
30 **OUTSWING THRESHOLD**
DLP (QOSR)



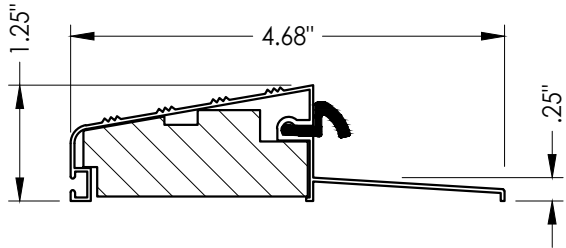
34 **OUTSWING THRESHOLD**
Columbia High Dam (581)



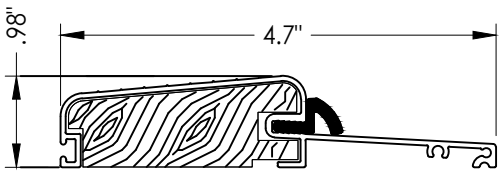
1 **POLY FIBER JAMB**
Plastpro



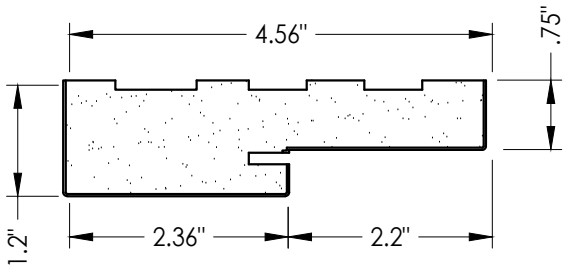
35 **OUTSWING SIDELITE ADAPTER**



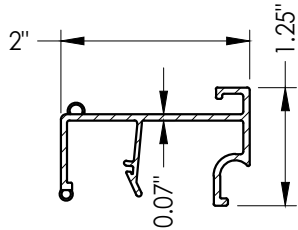
32 **OUTSWING THRESHOLD**
DLP (QOSH)



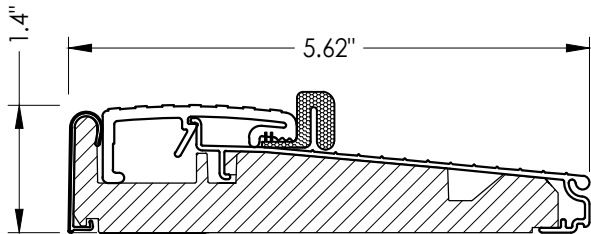
31 **OUTSWING THRESHOLD**
Columbia (575)



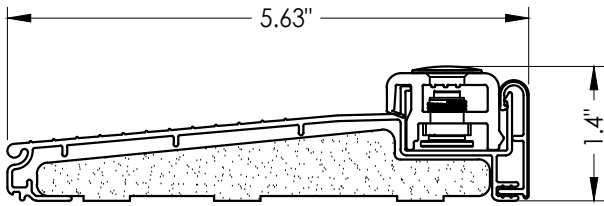
2 **WOOD JAMB**



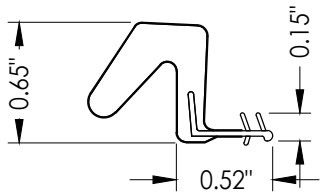
39 **INSWING SIDELITE ADAPTER**



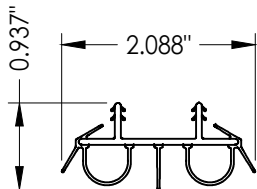
33 **OUTSWING THRESHOLD**
Endura (Z-Series)



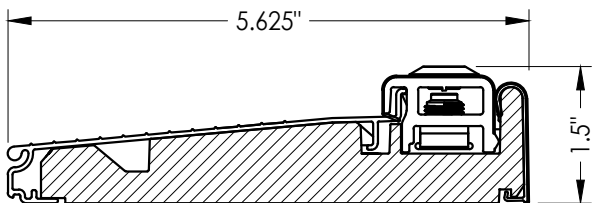
38 **INSWING THRESHOLD**
Columbia



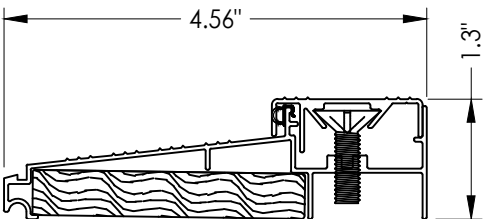
7 **WEATHERSTRIP**
Endura Force 5



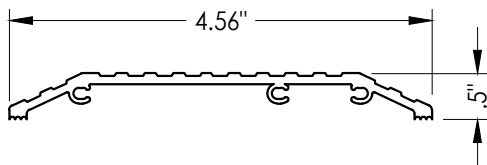
8 **DOOR BOTTOM SWEEP**



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



37 **INSWING THRESHOLD**
DLP (ISCS)



29 **ADA THRESHOLD**
DLP

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:

COMPONENTS

NO.	DATE	REVISIONS	BY	JK	JK	LFS	FBC	FBC	LFS	LFS
5	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS					
4	8/17/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS					
3	7/29/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS					
		& REVISE ENDURA ULT. ASTRAGAL								
2	7/24/17	UPDATE TO 6TH ED.	(2017)	FBC	JK					
1	3/9/15	UPDATE TO 5TH ED.	(2014)	FBC	JK					

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15210.3

SHEET 18 OF 19

G:\2023 FBC DRAWINGS 7-27-26\Plastpro\FL-15210 R11\FL-15210.3.6.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" 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	#8 X 1-1/2" PFH WOOD SCREW	STEEL
G	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	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
K	#9 X 2-1/2" PPH WOOD 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
22	3 POINT "TONGUE" MULTIPOINT LOCKSET (Mfg. BY HOPPE)	STEEL
23	MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)	STEEL
25	LATCH AND DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
29	ADA THRESHOLD	ALUM
30	OUTSWING THRESHOLD	ALUM/WOOD
31	OUTSWING THRESHOLD	ALUM/WOOD
32	OUTSWING THRESHOLD	ALUM/WOOD
33	OUTSWING THRESHOLD	ALUM/COMP
34	OUTSWING THRESHOLD	ALUM/WOOD
35	OUTSWING SIDELITE ADAPTER	VINYL
36	INSWING THRESHOLD	ALUM/COMP
37	INSWING THRESHOLD	ALUM/WOOD
38	INSWING THRESHOLD	ALUM/COMP
39	INSWING SIDELITE ADAPTER	VINYL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
55	#10 X 1-1/2" PFH SCREW	STEEL
57	BACKING PLATE	STEEL
58	#8 X 2" PFH WS	STEEL
60	MULTIPOINT STRIKE PLATE	STEEL
62	ENDURA TRILENNIUM 3000 LOCK ASSEMBLY	STEEL
65	DLP ASTRAGAL	ALUM

66	CONCEALED STIFFENER	ALUM
67	SLIDE BOLT ROD	ALUM
70	ASTRAGAL BY ENDURA	ALUM
71	BOLT RETAINER	NYLON
73	SLIDE BOLT ROD	STEEL
80	ASTRAGAL BY COLUMBIA	ALUM
81	FLUSHBOLT RETAINER	ALUM
82	FLUSHBOLT RETAINER	ALUM
83	FLUSHBOLT ROD	STEEL
88	2X REINFORCEMENT SG >= 0.55	WOOD

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	
5	7/02/26	UPDATE TO 9TH ED. (2026)	FBC
4	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
3	7/29/20	UPDATE TO 7TH ED. (2020)	FBC
		& REVISE ENDURA ULT. ASTRAGAL	
2	7/24/17	UPDATE TO 6TH ED. (2017)	FBC
1	3/9/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE		BY
REVISIONS			
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15210.3			
SHEET 19 OF 19			