

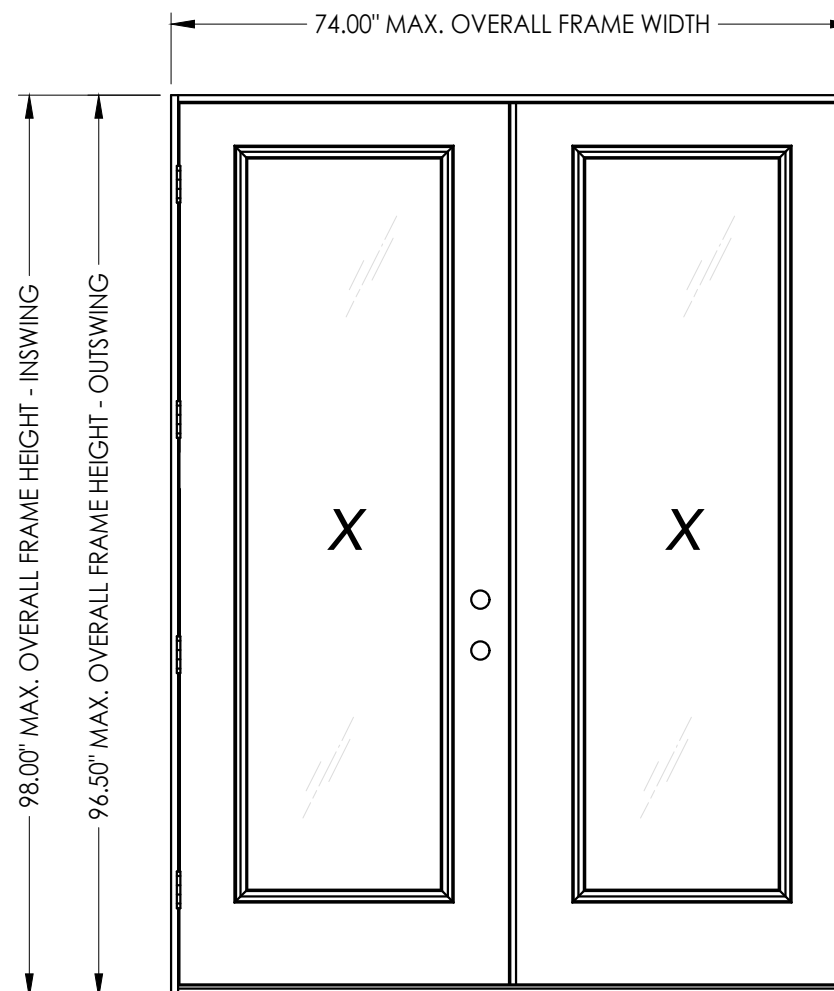


5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

ONELITE SERIES
FLUSH GLAZED FIBERGLASS DOORS
INSWING / OUTSWING
"NON-IMPACT"

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 & R301.2.1.2 of the FBC.
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 elevation, design pressures, & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Endura astragal details
8	Bill of materials, glazing detail & components



SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
INSWING	74.00" x 98.00"	21.00" x 79.00"	G1	+45.0	-45.0
OUTSWING	74.00" x 96.50"	21.00" x 79.00"		+45.0	-45.0

L7Schmidt



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

Digitally signed by
Lyndon F Schmidt
Date: 2023.08.16
09:07:42 -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

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

[illegible]

DATE: 02/15/12

SCALE: *N.T.S.*

DWG. BY: JK

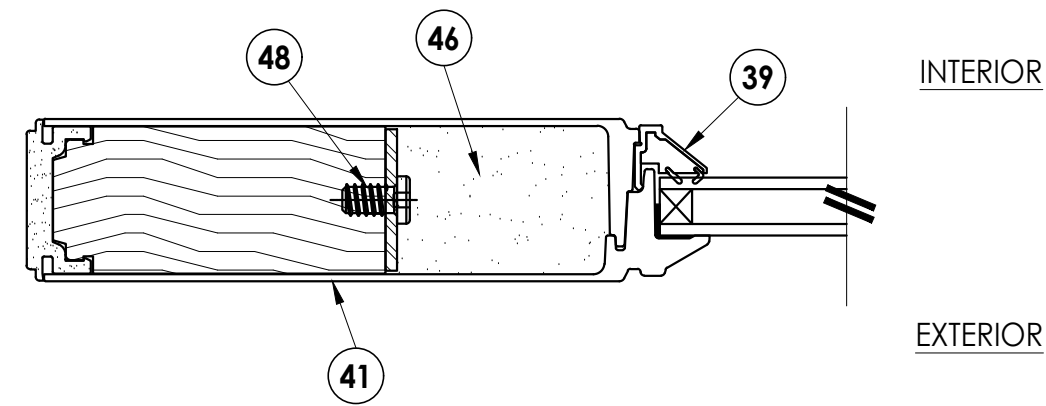
CHK. BY: *LFS*

DRAWING NO.:
FL-15215.9

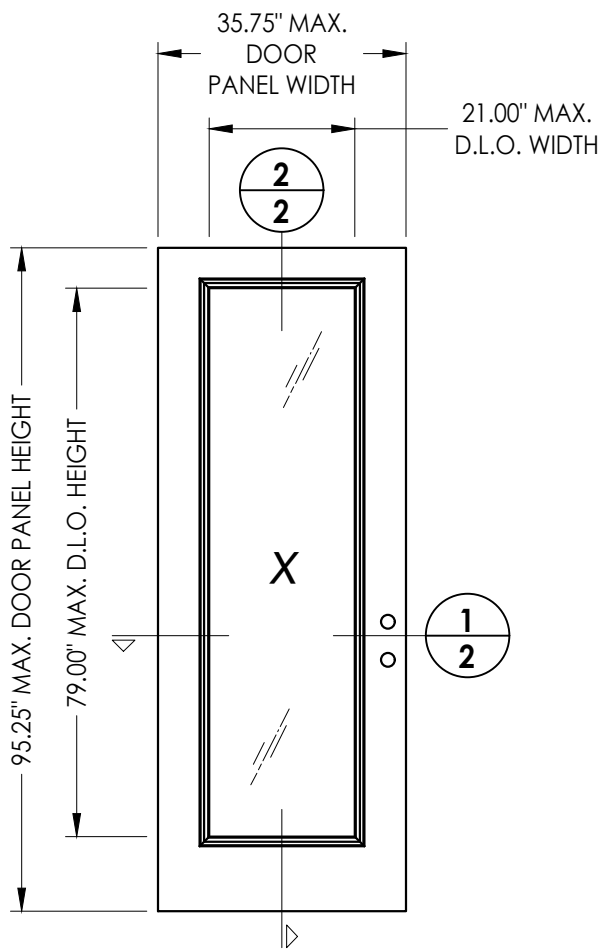
SHEET 1 OF 8

© 2012 B.W. BILLING CONSULTANTS INC.

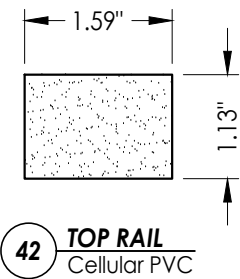
G:\2023 FBC DRAWINGS\Plastpro\FL-15215 R7\FL-15215.1-10.dwg



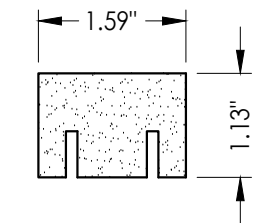
1
2 HORIZONTAL CROSS SECTION



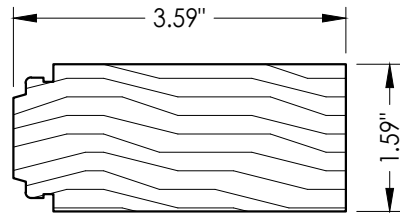
40 DOOR PANEL



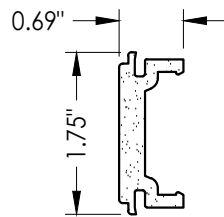
42 TOP RAIL
Cellular PVC



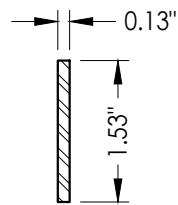
45 BOTTOM RAIL
Cellular PVC



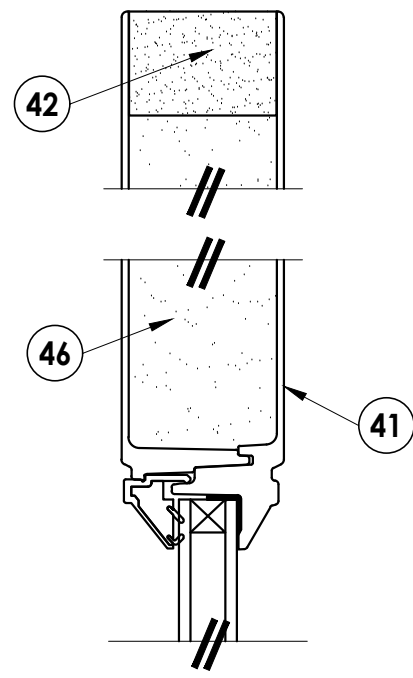
44 LATCH & HINGE
Stile support



43 LATCH & HINGE STILE
Cellular PVC



47 STILE REINFORCEMENT



2
2 VERTICAL CROSS SECTION

REVISIONS	
NO.	DATE
4	8/15/23
3	8/05/20
2	7/25/17
1	04/22/15

DATE: 02/15/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15215.9

SHEET 2 OF 8

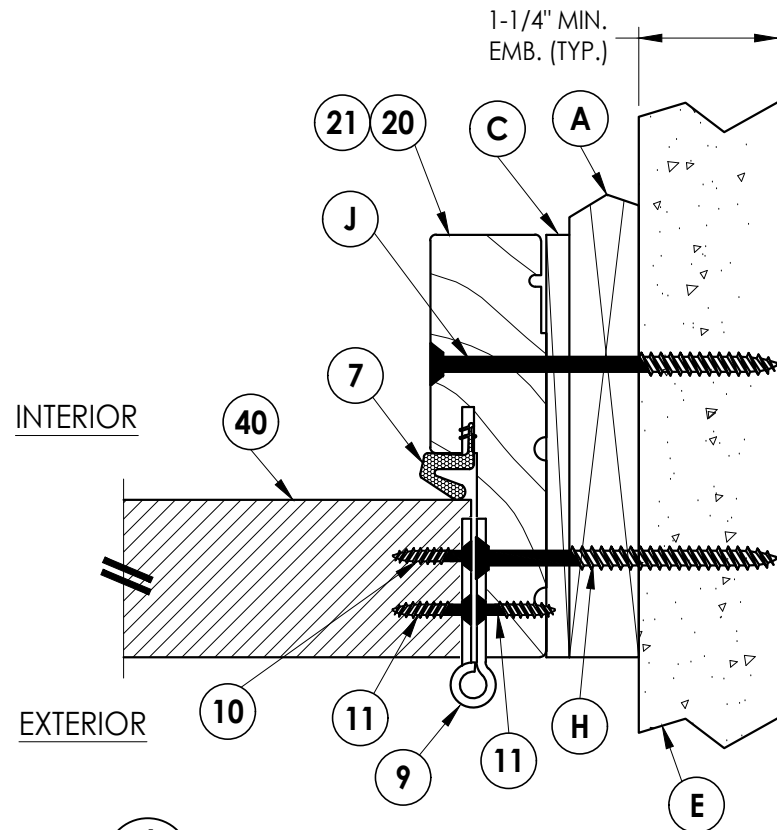
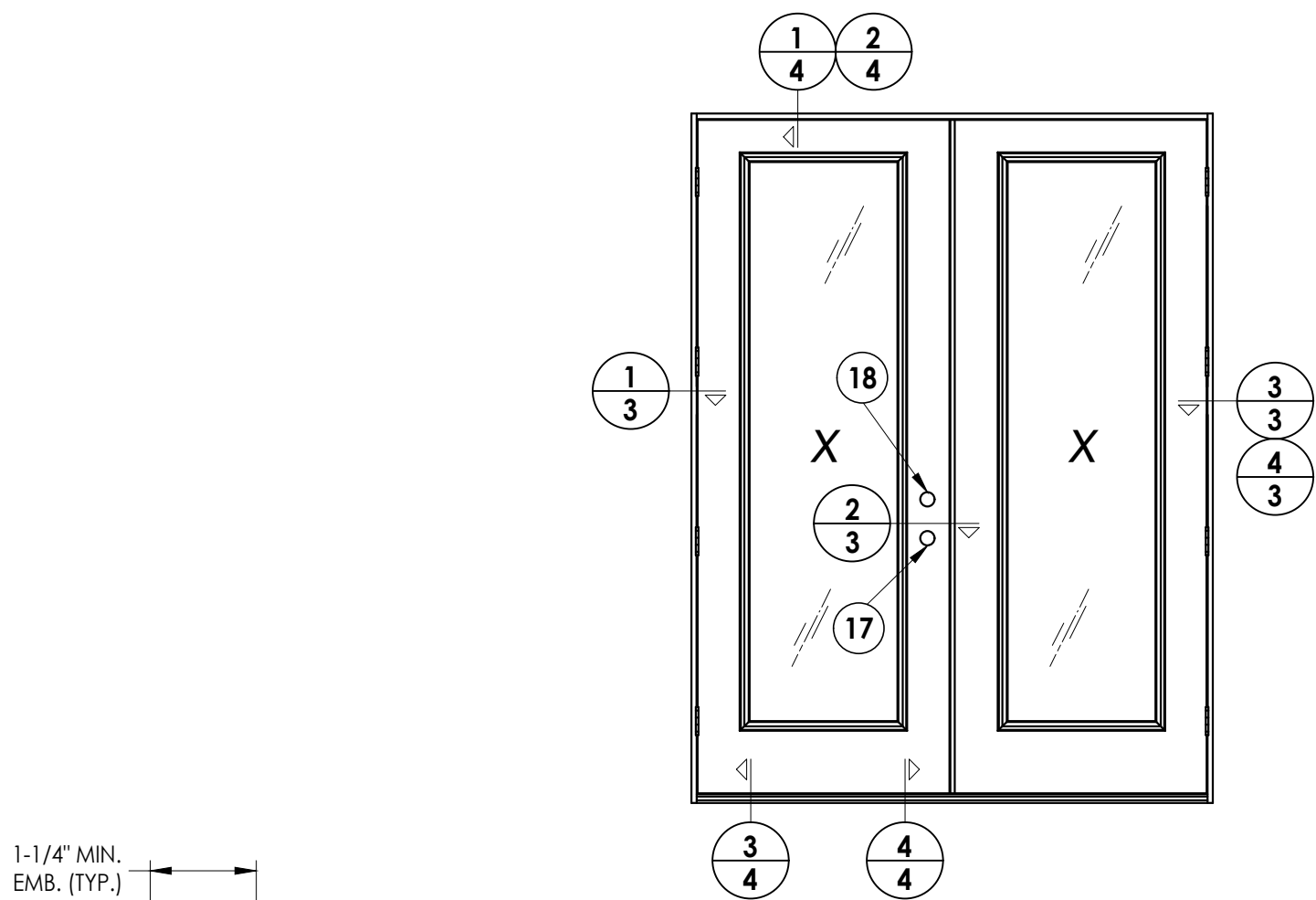
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

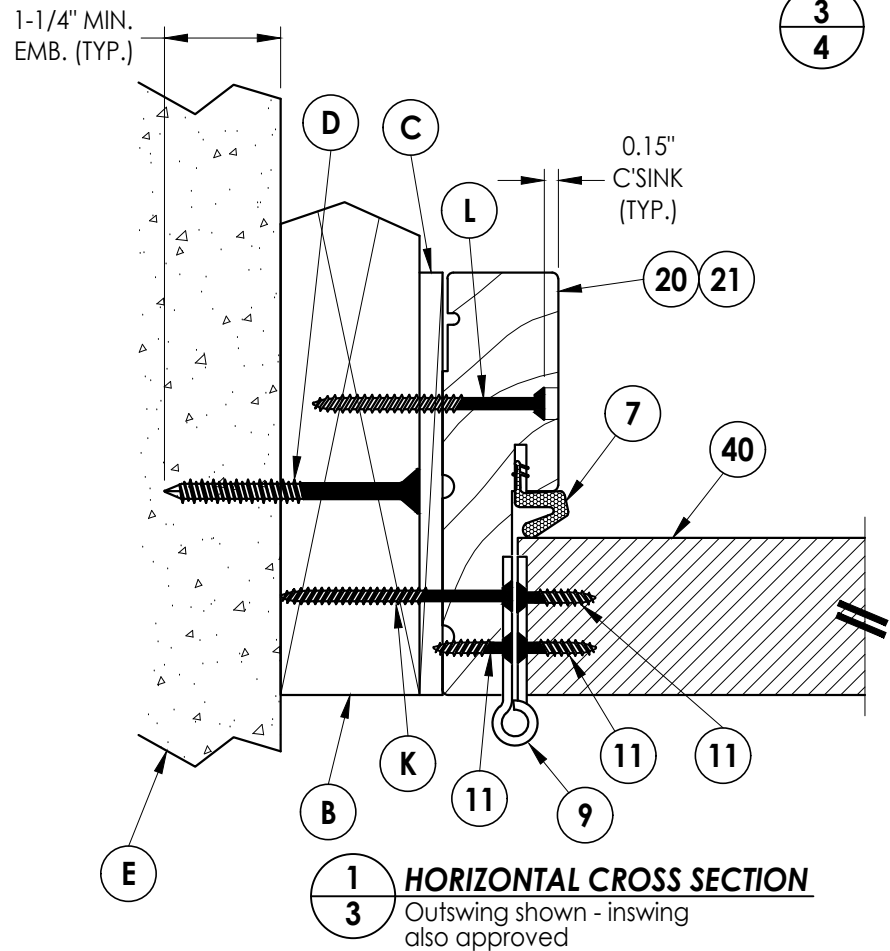
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

G:\2023 FBC DRAWINGS\Plastpro\FL-15215 R7\FL-15215.1-10.dwg

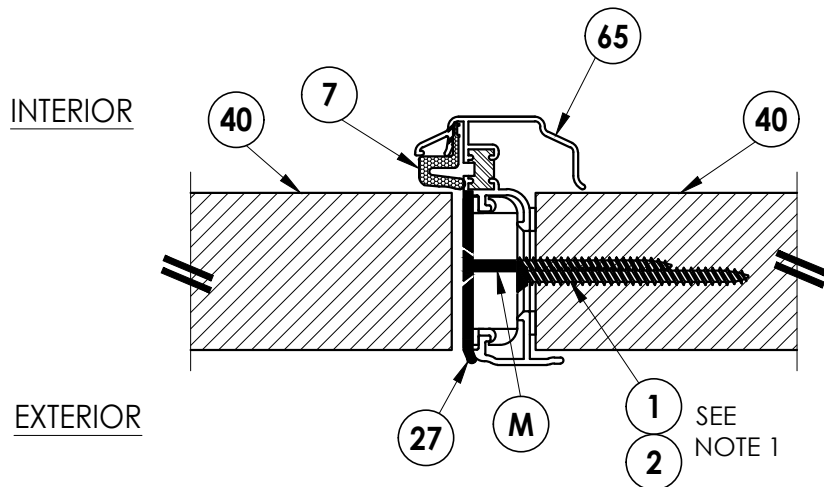


4
3 **HORIZONTAL CROSS SECTION**
Shown w/1X sub-buck

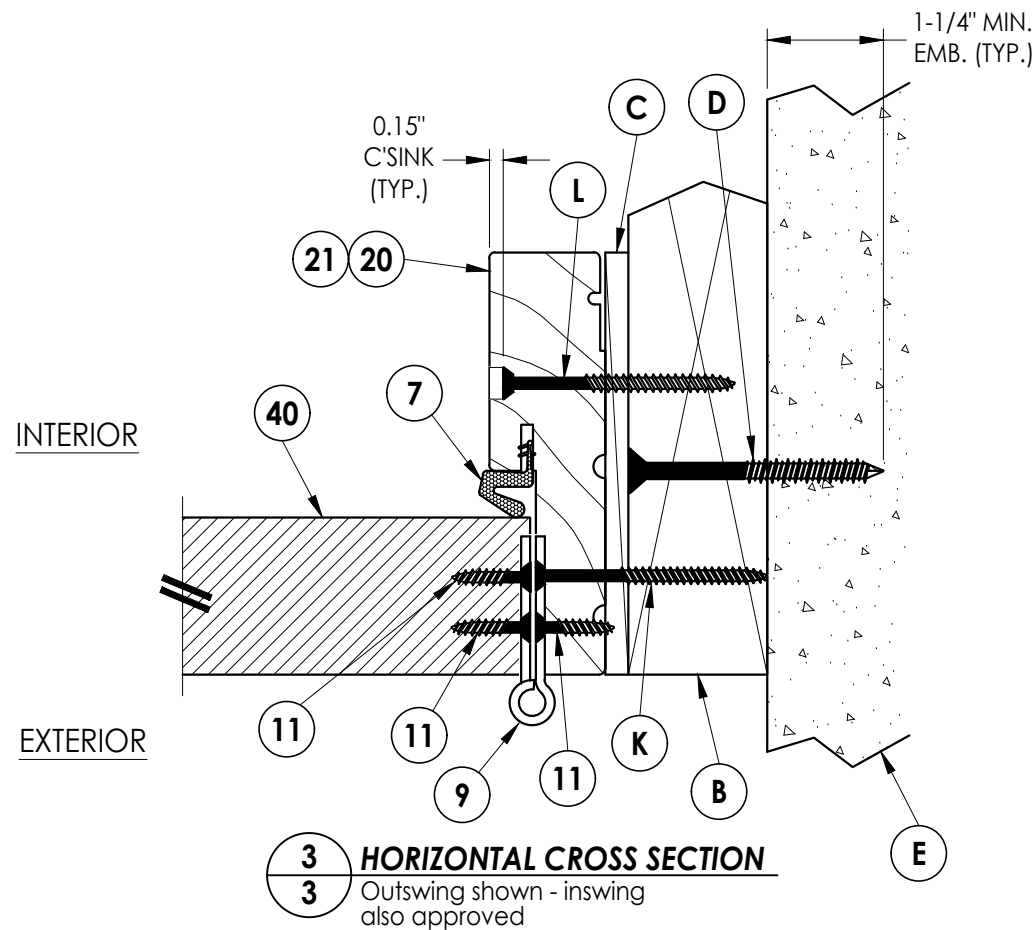


1
3 **HORIZONTAL CROSS SECTION**
Outswing shown - inswing
also approved

NOTE:
1. As noted in the test report astragal was attached to the inactive leaf with (11) #8 x 3" psh sms and (6) #10 x 2-1/2" pfh sms for all 8'-0" (outswing). Astragal was attached to the inactive leaf with (13) #8 x 3" psh sms and (6) #10 x 2-1/2" pfh sms for all 8'-0" (inswing).



2
3 **HORIZONTAL CROSS SECTION**
Outswing shown - inswing
also approved



3
3 **HORIZONTAL CROSS SECTION**
Outswing shown - inswing
also approved

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

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

PRODUCT: **PLASTPRO INC.**
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
4	8/15/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/05/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
2	7/25/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 02/15/12

SCALE: N.T.S.

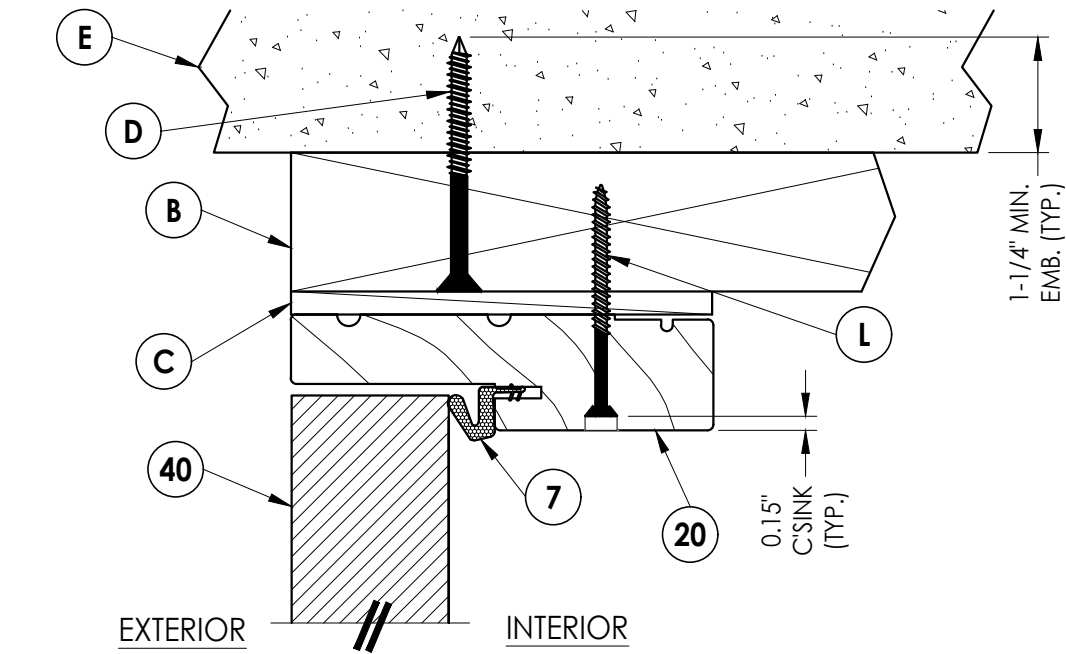
DWG. BY: JK

CHK. BY: LFS

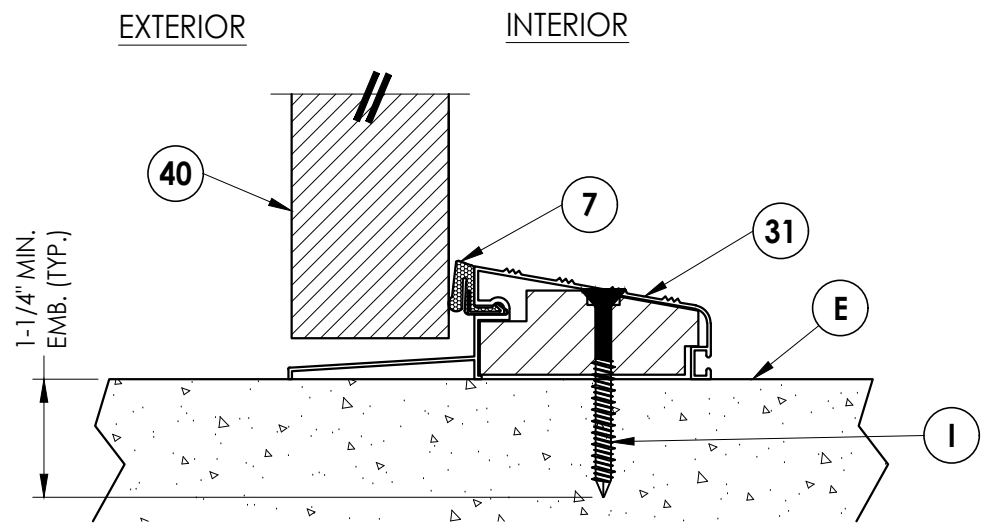
DRAWING NO.: FL-15215.9

SHEET 3 OF 8

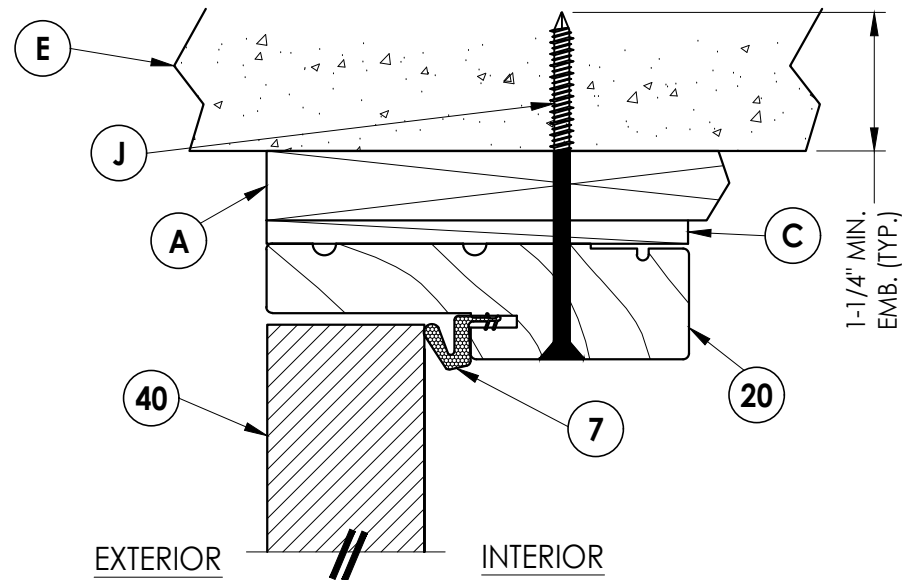
G:\2023 FBC DRAWINGS\Plastpro\FL-15215 R7\FL-15215.1-10.dwg



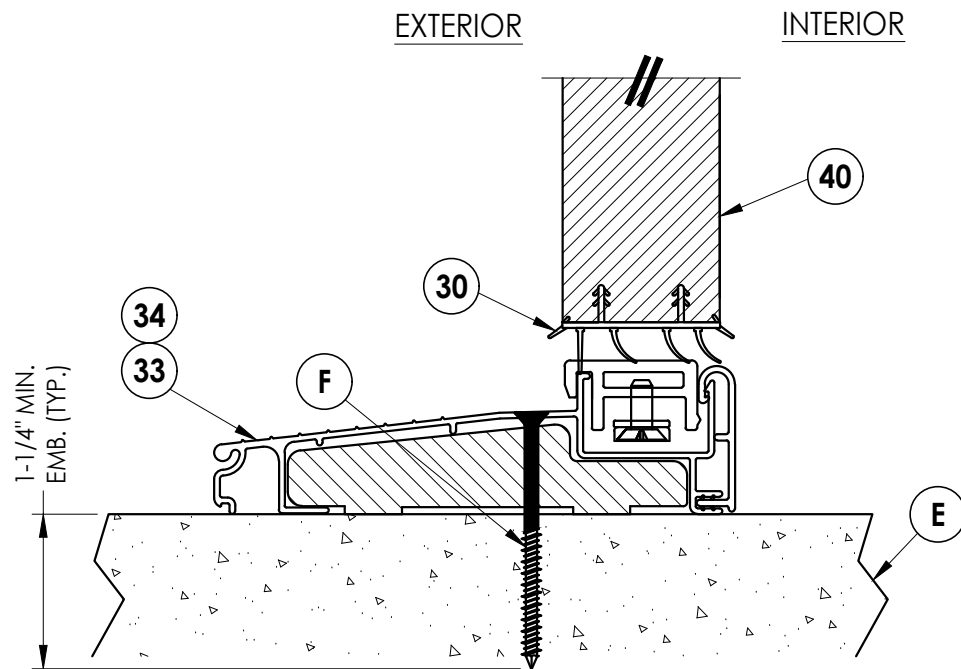
1
4 **VERTICAL CROSS SECTION**
Outswing shown - inswing
also approved



3
4 **VERTICAL CROSS SECTION**
Outswing configuration



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



4
4 **VERTICAL CROSS SECTION**
Inswing configuration

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

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

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
4	8/15/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/05/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	7/25/17	UPDATE TO 6TH ED. (2017) FBC JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 02/15/12

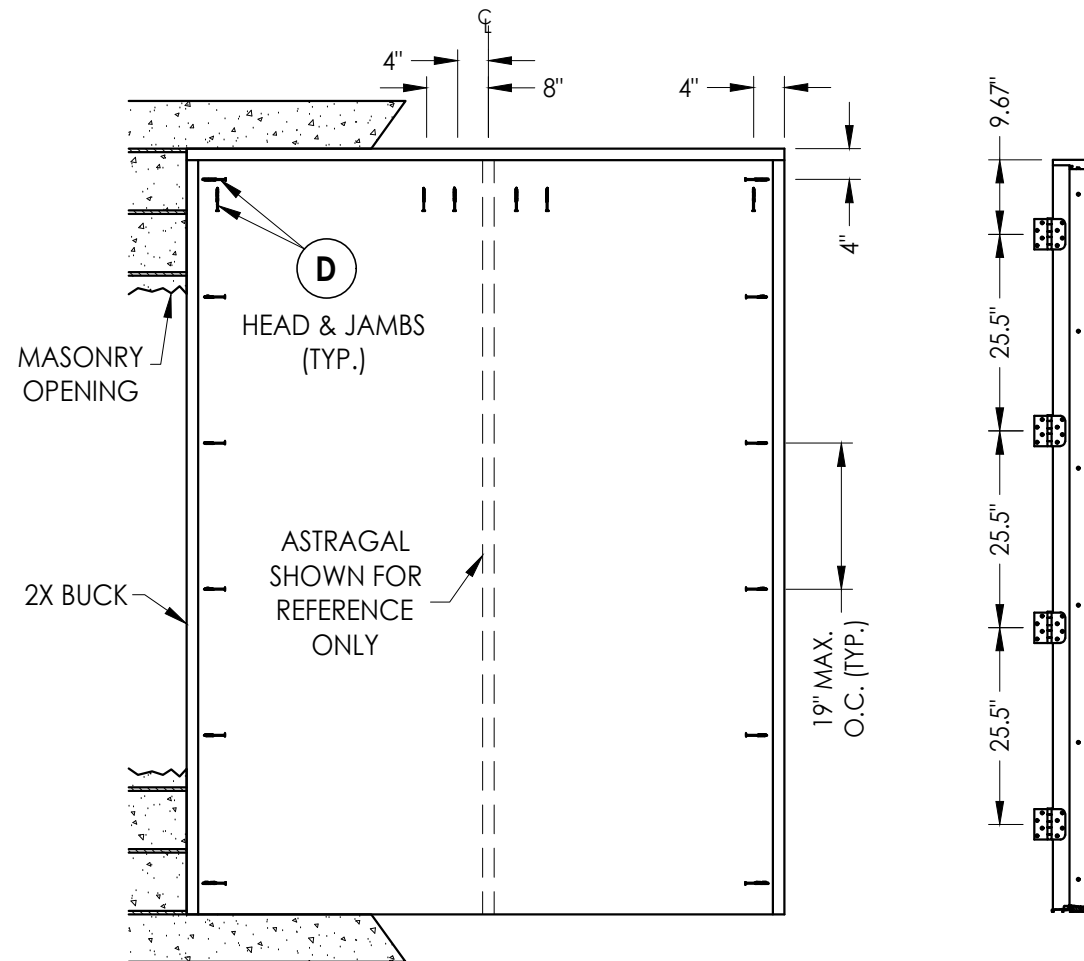
SCALE: N.T.S.

DWG. BY: JK

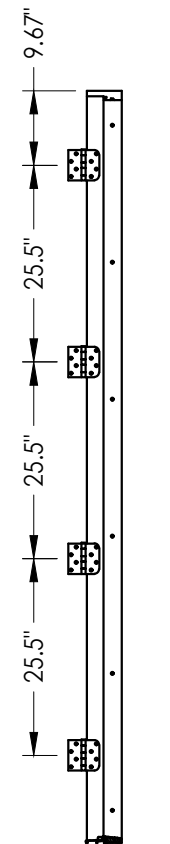
CHK. BY: LFS

DRAWING NO.:
FL-15215.9

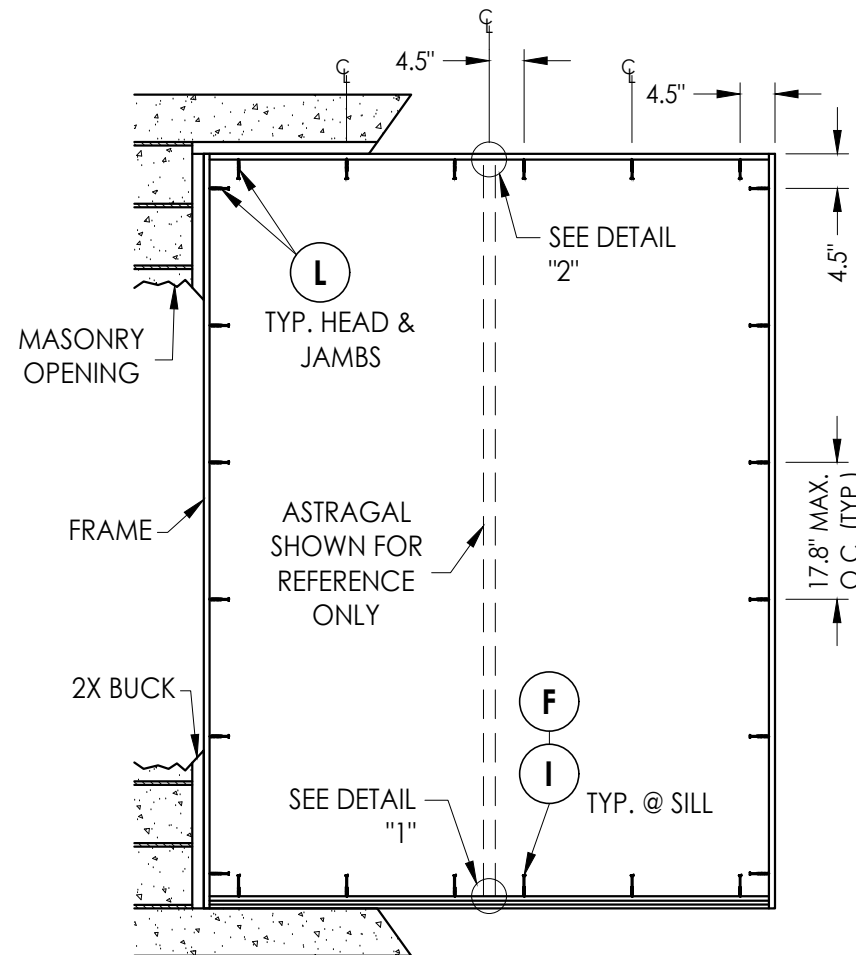
SHEET 4 OF 8



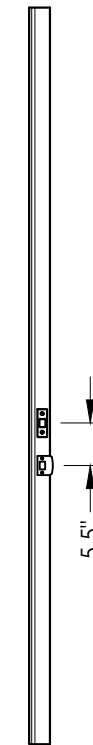
BUCK ANCHORING



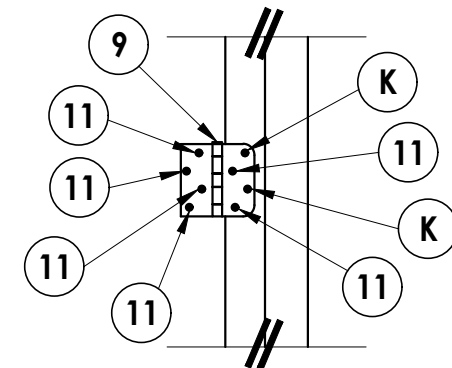
HINGE JAMB



FRAME ANCHORING
Masonry 2X buck construction



ASTRAGAL STRIKE JAMB



HINGE DETAIL

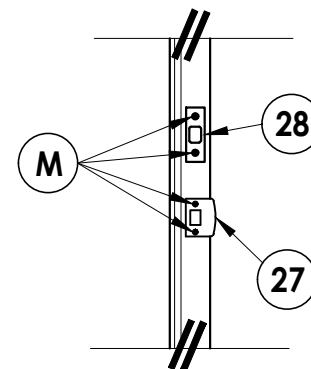
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

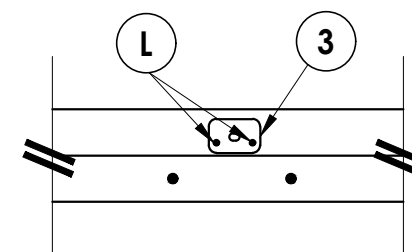
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

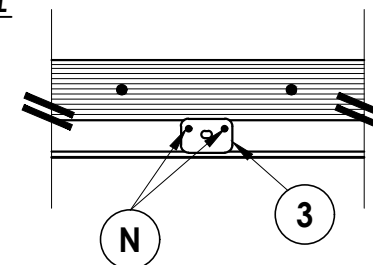
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



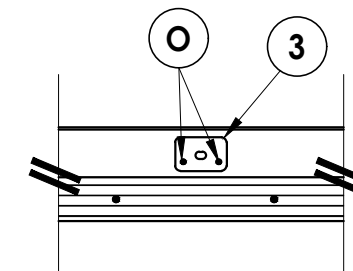
LATCH & DEADBOLT DETAIL



DETAIL 2



DETAIL 1
Inswing configuration

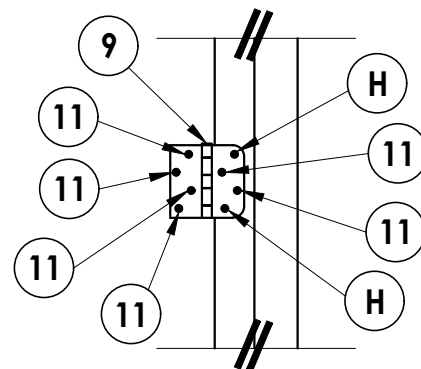
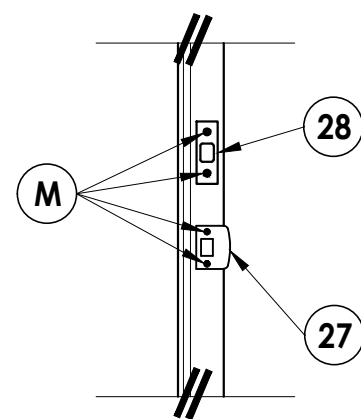


DETAIL 1
Outswing configuration

[illegible]

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



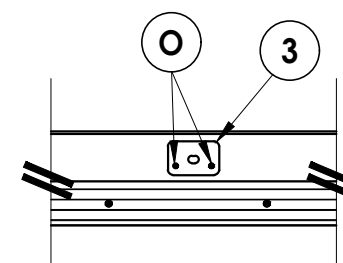
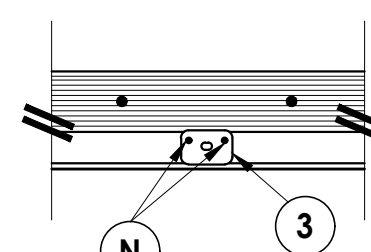
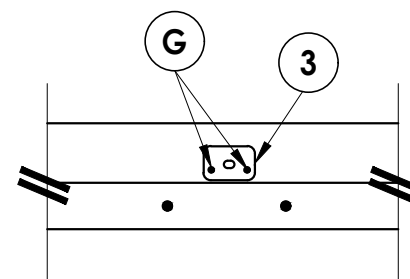
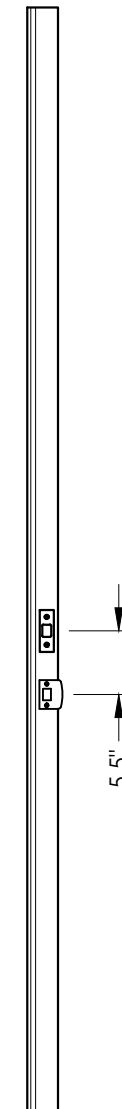
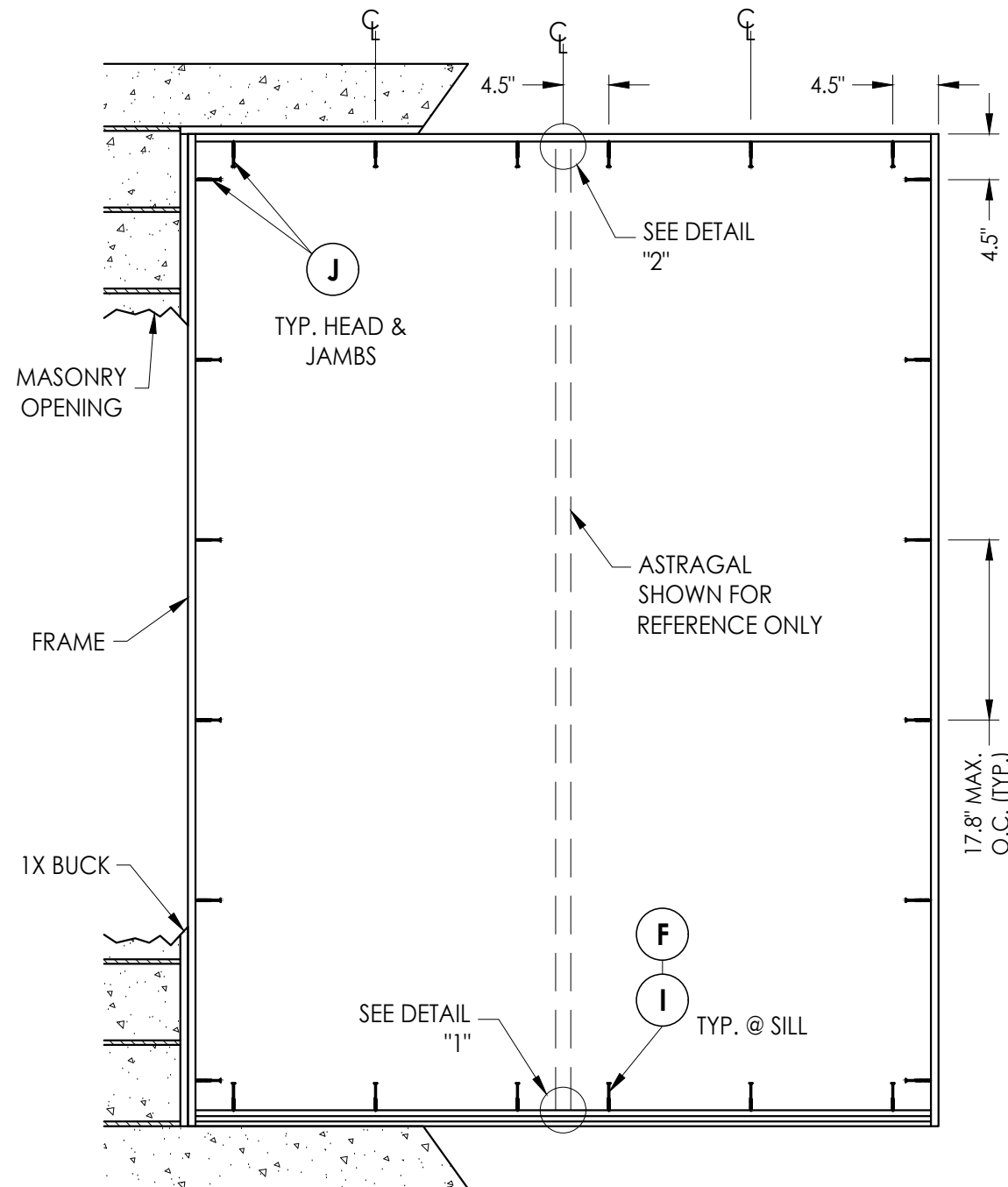
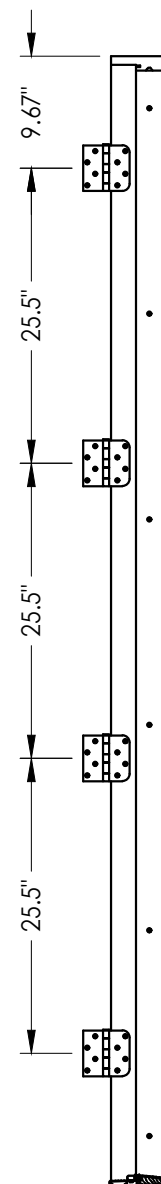
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

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

WOOD SCREW INSTALLATION NOTES:

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



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

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:

FRAME ANCHORING 1X BUCK
MASONRY CONSTRUCTION

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

[illegible]

DATE: 02/15/12

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: *LFS*

DRAWING NO.:

FL-15215.9

© 2012 R.W. BUILDING CONSULTANTS INC.

DATE: 02/15/12		DOCUMENTS PREPARED BY: LYNDON F. SCHMIDT P.E. No. 43409	
SCALE: N.T.S.		PLASTPRO INC. FIBERGLASS DOOR PART OR ASSEMBLY: ENDURA ASTRAGAL DETAILS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15215.9			
SHEET 7 OF 8			

ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL
B	2X BUCK SG >= 0.55	WOOD	20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
C	1/4" MAX. SHIM SPACE	-	21	POLYFIBER JAMB	COMP. / VINYL
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	27	LATCH STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28	DEADBOLT STRIKE PLATE	STEEL
F	1/4" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL	30	WEATHER-STOP 3647 HOLM INDUSTRIES	VINYL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL	31	OUTSWING BUMP THRESHOLD	ALUM. / WOOD
H	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL	33	INSWING ADJUSTABLE THRESHOLD BY ENDURA	ALUM. / WOOD
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL	34	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM. / WOOD
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL	38	GLAZING SPACER	ALUM.
K	#9 X 2-1/2" PFH WOOD SCREW	STEEL	39	GLAZING BEAD	PVC
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
M	#9 X 2-1/4" PFH WOOD SCREW	STEEL	41	DOOR SKIN (MIN. 0.095" THICK)	FIBERGLASS
N	3/16" X 3-1/2" PFH ITW CONCRETE SCREW	STEEL	42	TOP RAIL	CELLULAR PVC
O	3/16" X 1-1/2" PFH ITW CONCRETE SCREW	STEEL	43	LATCH & HINGE STILE	CELLULAR PVC
1	#10 X 2-1/2" PFH SMS	STEEL	44	LATCH & HINGE STILE SUPPORT	WOOD
2	#8 X 3" PSH SMS	STEEL	45	BOTTOM RAIL	CELLULAR PVC
3	FLUSH BOLT STRIKE PLATE	STEEL	46	POLYURETHANE FOAM	POLYURETHANE
7	Q-LON 650 WEATHERSTRIP SCHLEGEL	FOAM	47	STILE REINFORCEMENT	STEEL
9	4" X 4" BUTT HINGE	STEEL	48	REINFORCEMENT RETAINING SCREW	NYLON
10	NOT USED	-	49	GLAZING COMPOUND DOW 995	SILICONE
11	#9 X 3/4" PFH WOOD SCREW	STEEL	65	ASTRAGAL (ENDURA)	ALUM.
17	KWIKSET KEYED ENTRY - SIGNATURE SERIES	STEEL			



	4	8/15/23	UPDATE TO 8TH ED.	(2023)	FBC LFS
	3	8/05/20	UPDATE TO 7TH ED.	(2020)	FBC DAC
	2	7/25/17	UPDATE TO 6TH ED.	(2017)	FBC JK
	1	04/22/15	UPDATE TO 5TH ED.	(2014)	FBC JK
	NO.	DATE			
REVISIONS					
DATE: 02/15/12					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15215.9					
SHEET 8 OF 8					

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

PART OR ASSEMBLY:

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