



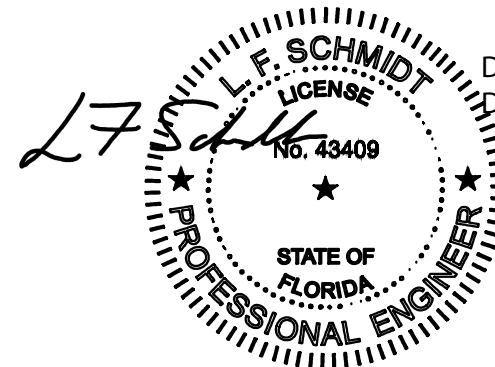
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

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 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 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

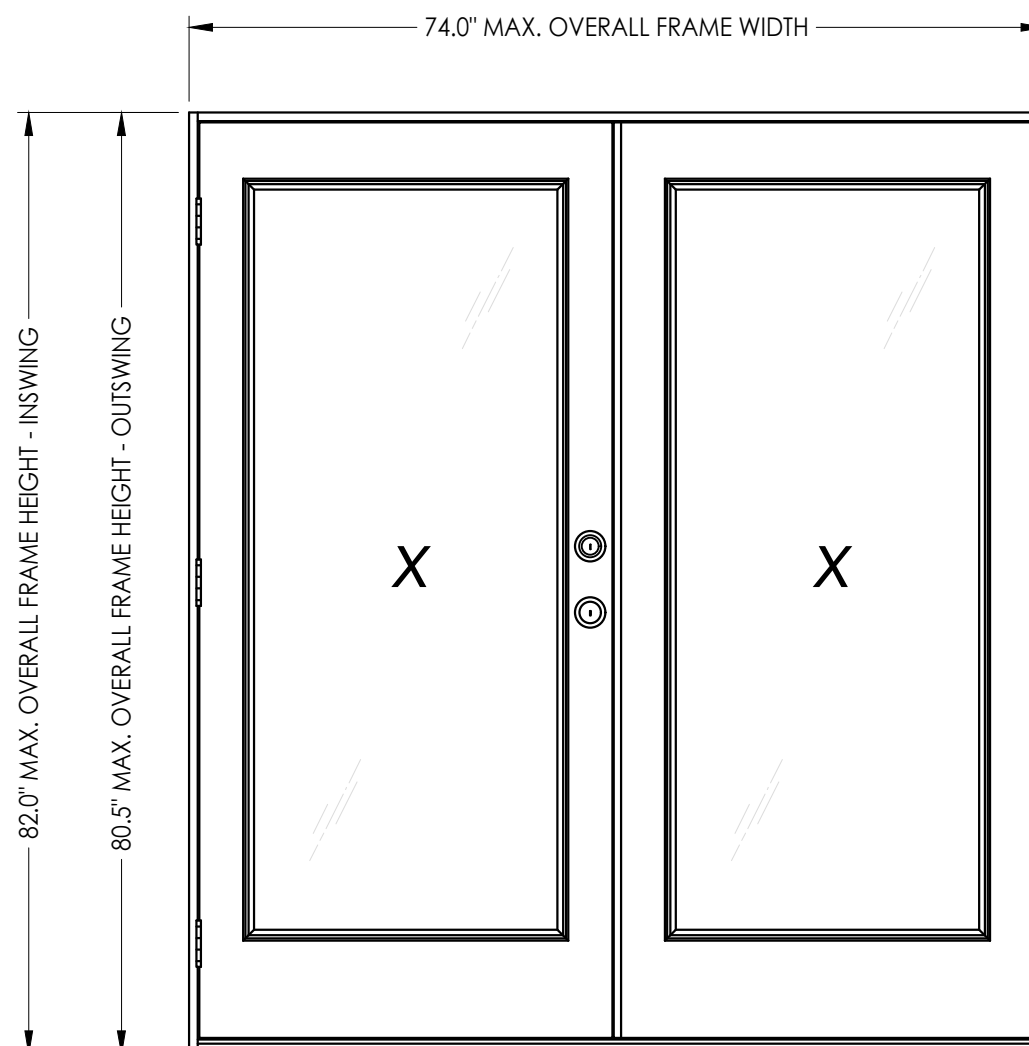


Digitally signed by Lyndon F Schmidt
Date: 2023.08.24 10:29:53 -04'00'

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



SWING	OVERALL FRAME DIMENSION	DOOR D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
INSWING	74.0" x 82.0"	21.0" x 63.0"	G1	+47.0	-47.0
OUTSWING	74.0" x 80.5"	21.0" x 63.0"		+47.0	-47.0

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

PRODUCT: PLASTPRO INC.
FIBERGLASS DOOR

Rail BUILDING CONSULTANTS, INC.

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

FIBERGLASS DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

	4	8/24/23	UPDATE TO 8TH ED. (2023)	FBC LFS
	3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC LFS
	2	10/19/17	UPDATE TO 6TH ED. (2017)	FBC LFS
	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

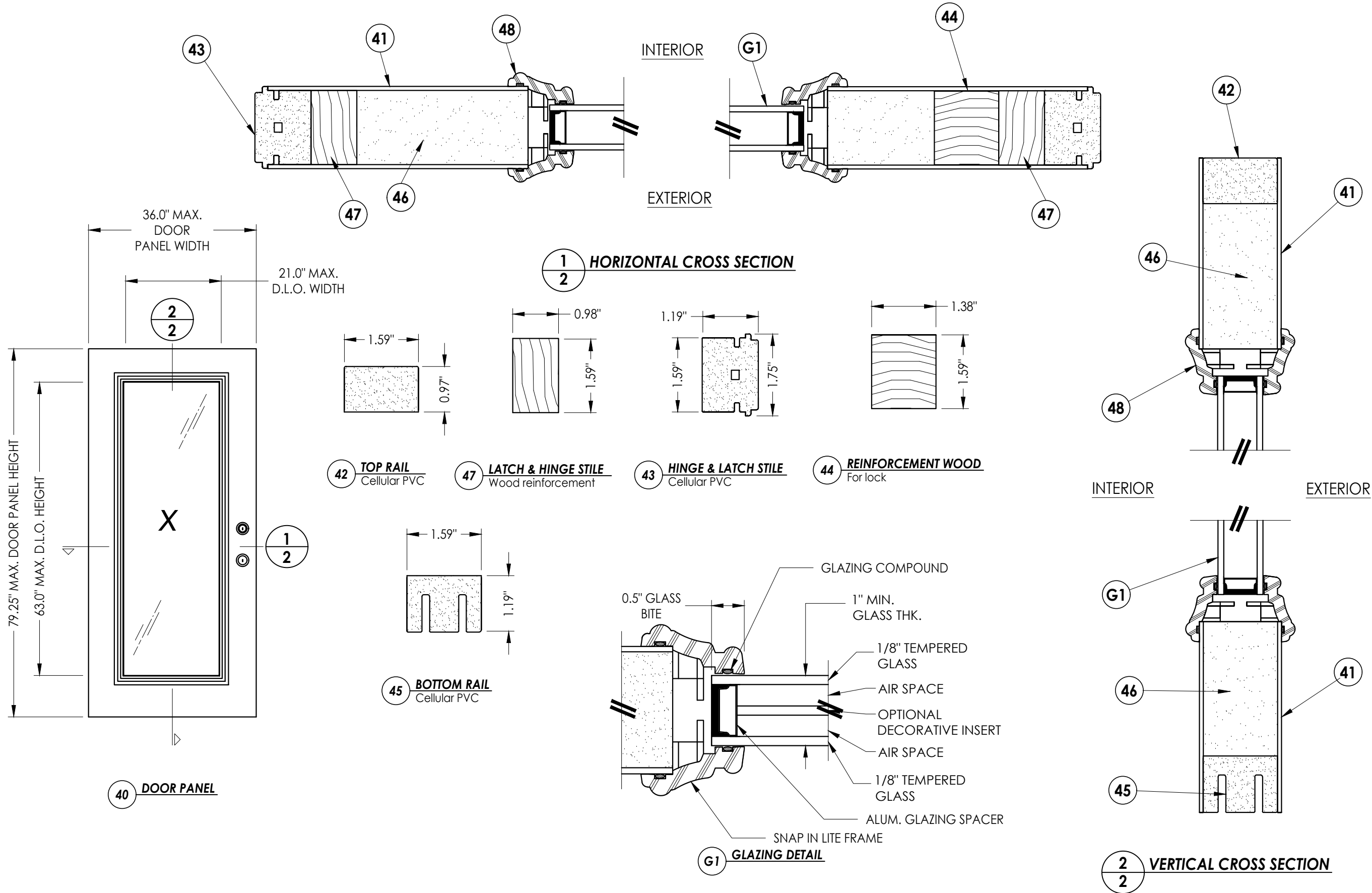
CHK. BY: LFS

DRAWING NO.:

FL-15213.12

SHEET 1 OF 8

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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 PANEL DETAILS

NO.	DATE	REVISIONS
4	8/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	10/19/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

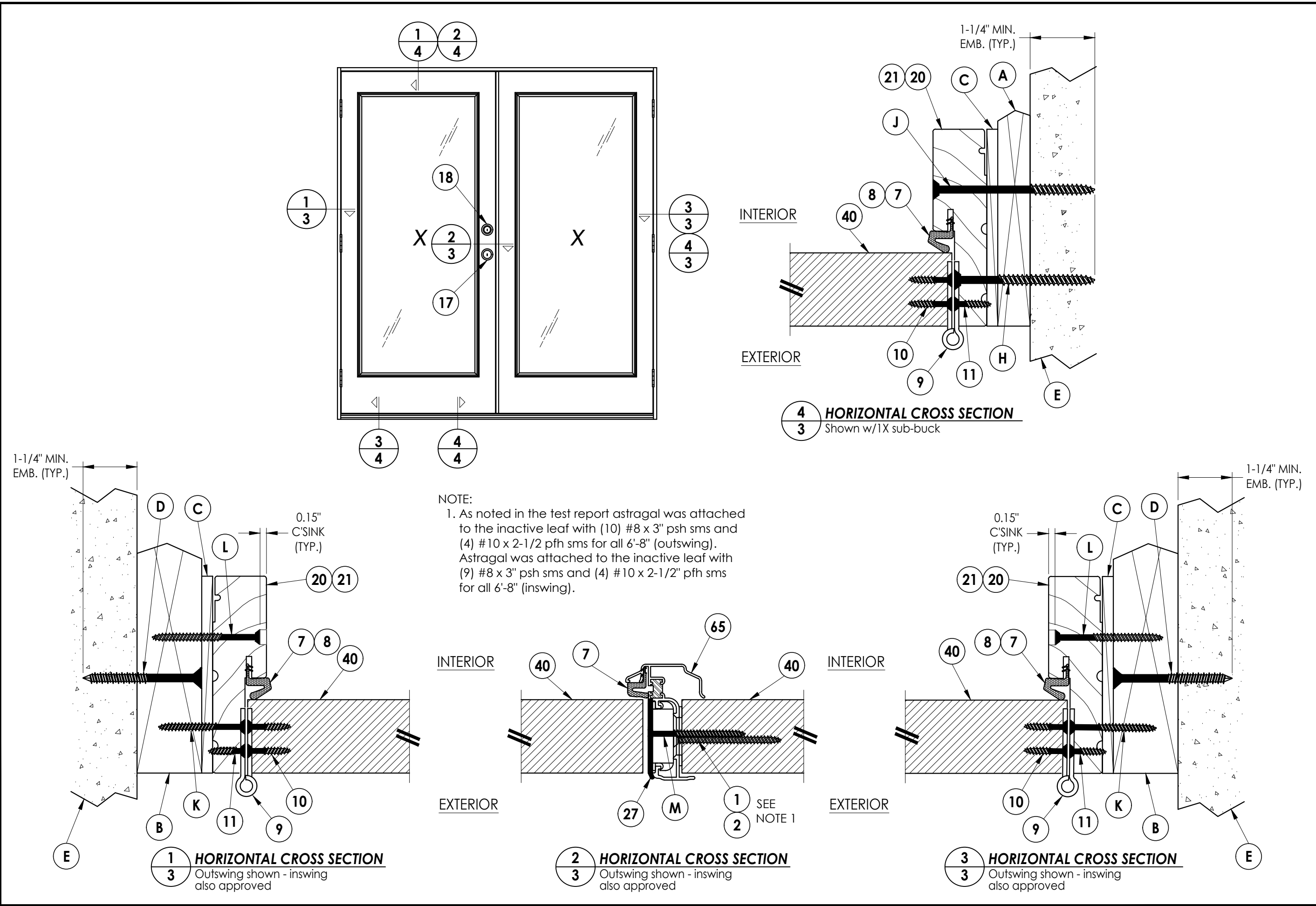
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DRAWING NO.:

FL-15213.12

SHEET 2 OF 8

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

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-15213.12

SHEET 3 OF 8

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



Outswing shown - inswing
also approved



Outswing configuration



Shown w/1X sub-buck



Inswing configuration

REVISIONS

DATE: 02/16/12

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15213.12

SHEET 4 OF 8

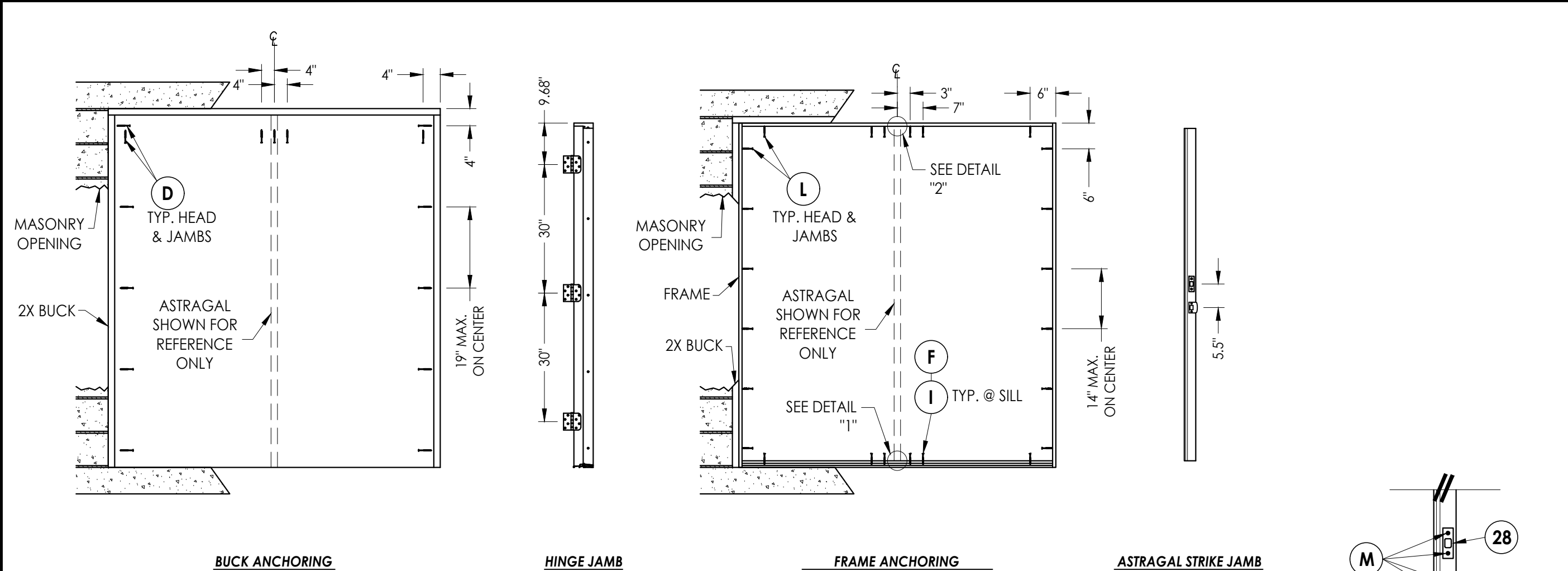
Documents Prepared By:
Lyndon F. Schmidt
P.F. No. 43409

PLASTPRO INC.
FIBERGLASS DOOR

CS SECTIONS

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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BUCK ANCHORING

HINGE JAMB

FRAME ANCHORING
Masonry 2X buck construction

ASTRAGAL STRIKE JAMB

LATCH & DEADBOLT DETAIL

HINGE DETAIL

CONCRETE ANCHOR NOTES:

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

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

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

PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION

RW 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.

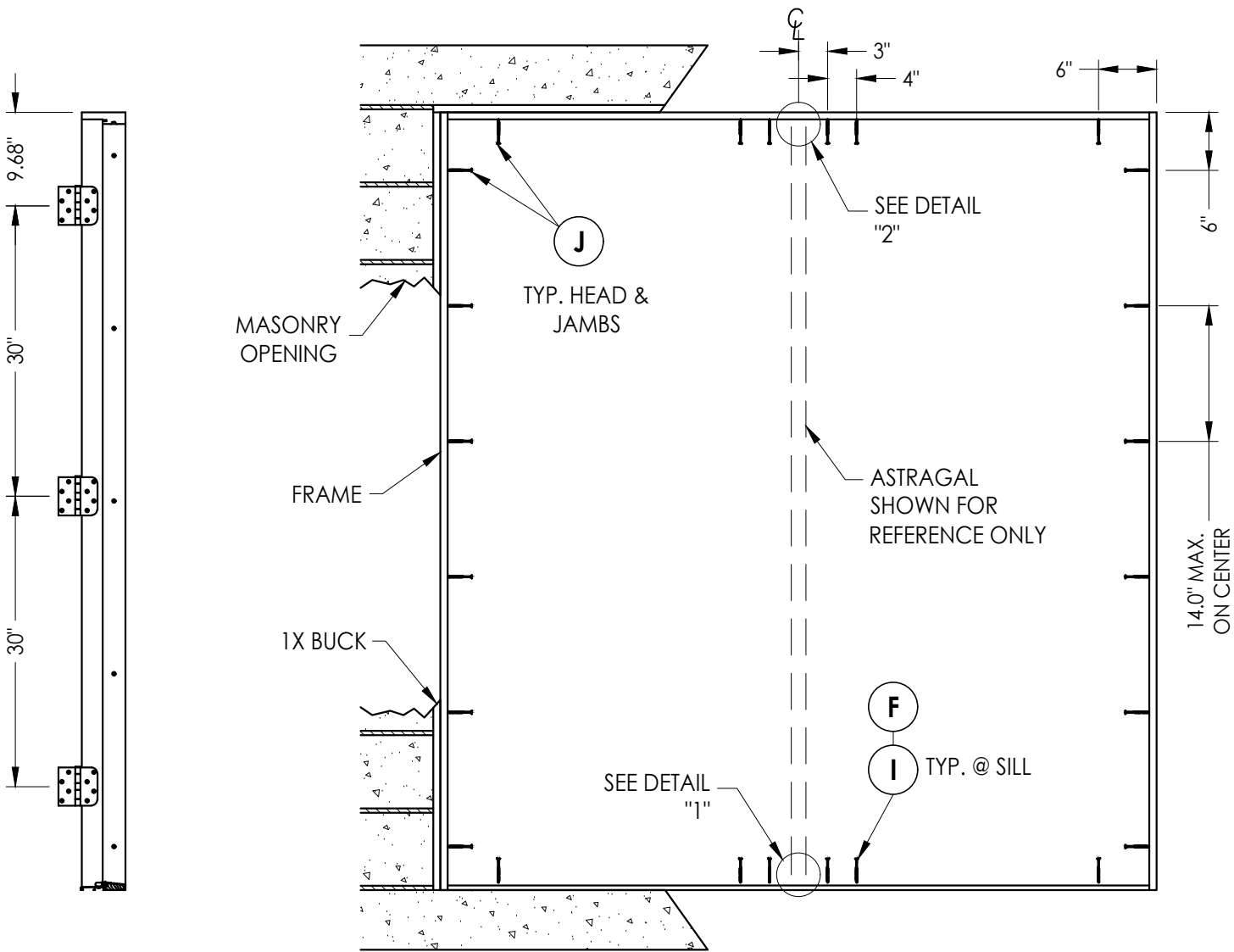
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CHK. BY: LFS

DRAWING NO.: FL-15213.12

SHEET 5 OF 8

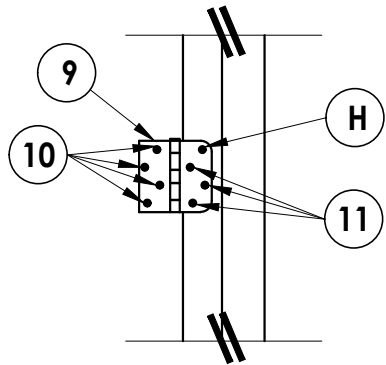
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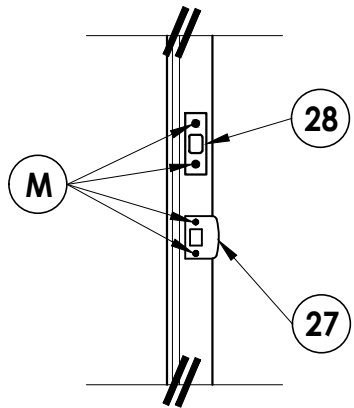
HINGE JAMB

FRAME ANCHORING
Masonry 1X buck construction

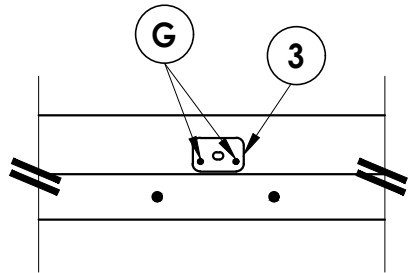
ASTRAGAL STRIKE JAMB



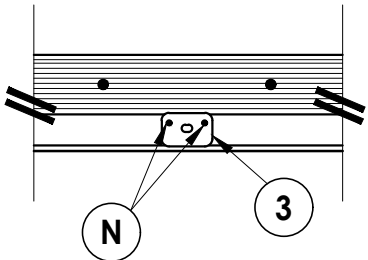
HINGE DETAIL



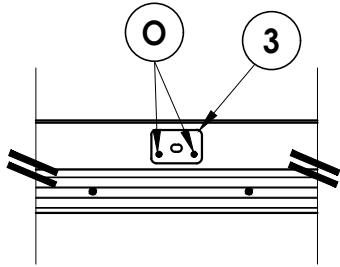
LATCH & DEADBOLT DETAIL



DETAIL 2



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
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WOOD SCREW INSTALLATION NOTES:

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P.E. No. 43409

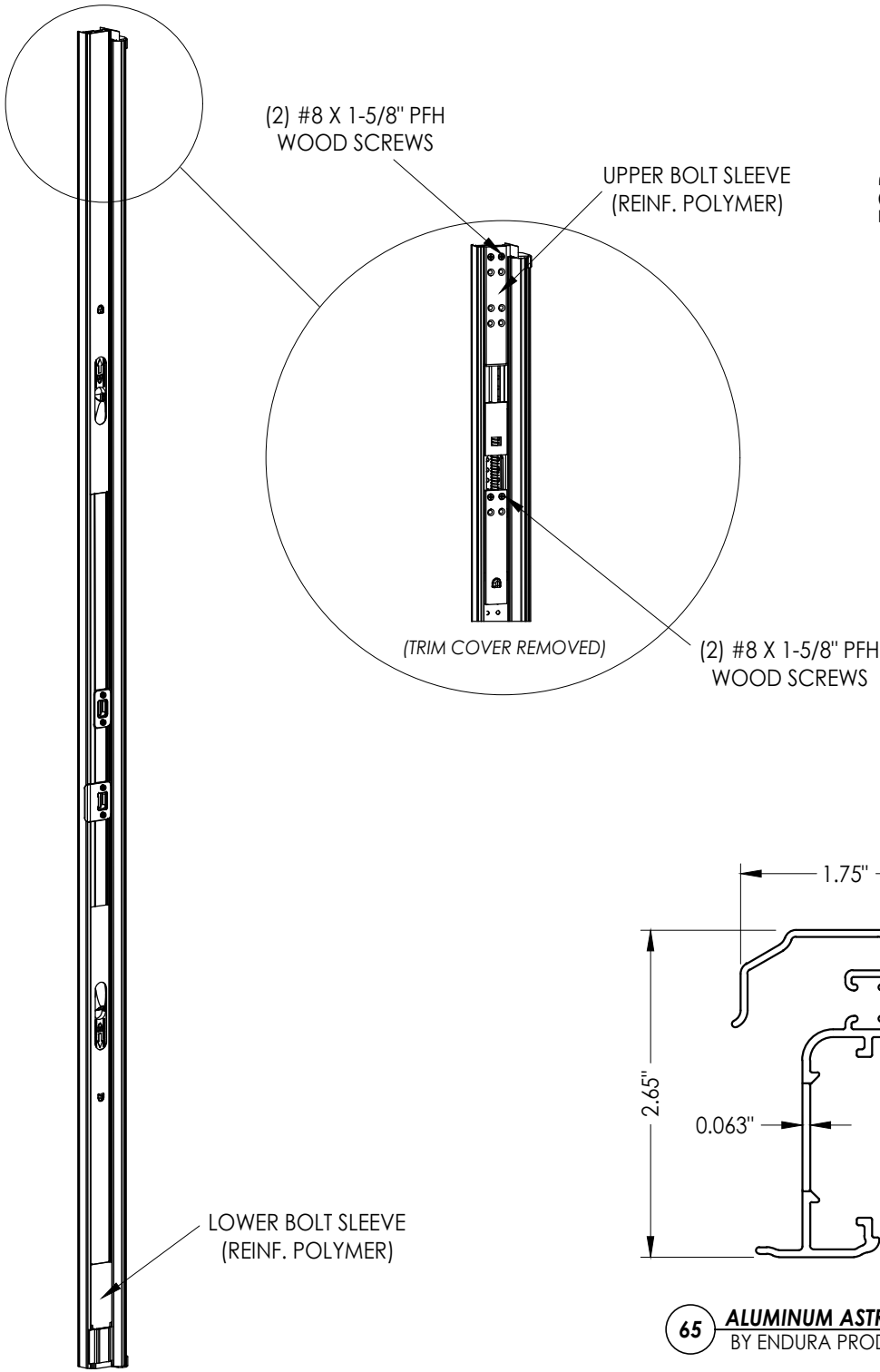
PRODUCT:
PLASTPRO INC.
FIBERGLASS DOOR
PART OR ASSEMBLY:
FRAME ANCHORING 1X BUCK
MASONRY CONSTRUCTION

NO.	DATE	REVISIONS
4	8/24/23	UPDATE TO 8TH ED. (2023) FBC
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC
2	10/19/17	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC

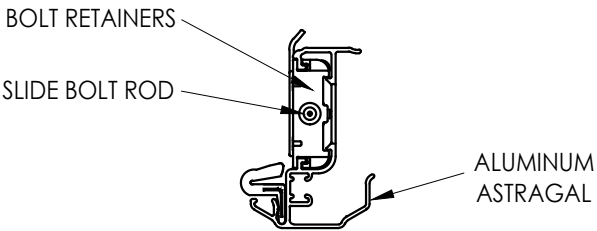
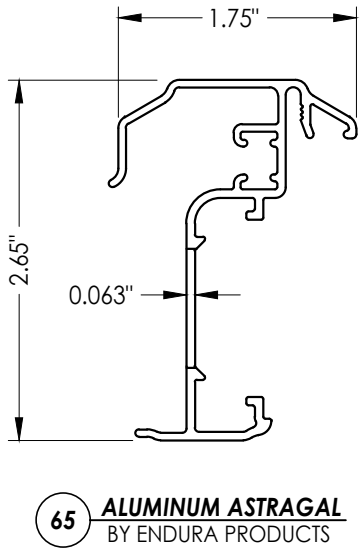
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15213.12
SHEET 6 OF 8

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

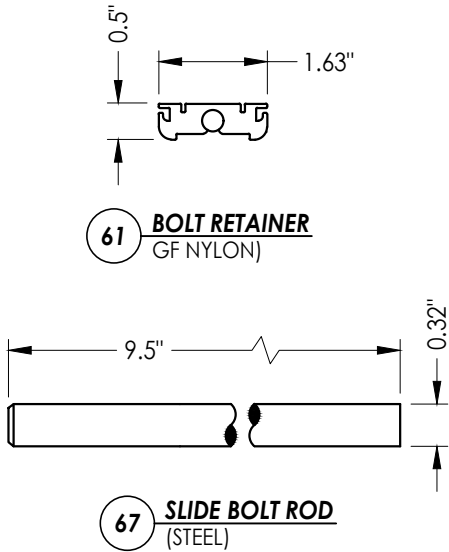
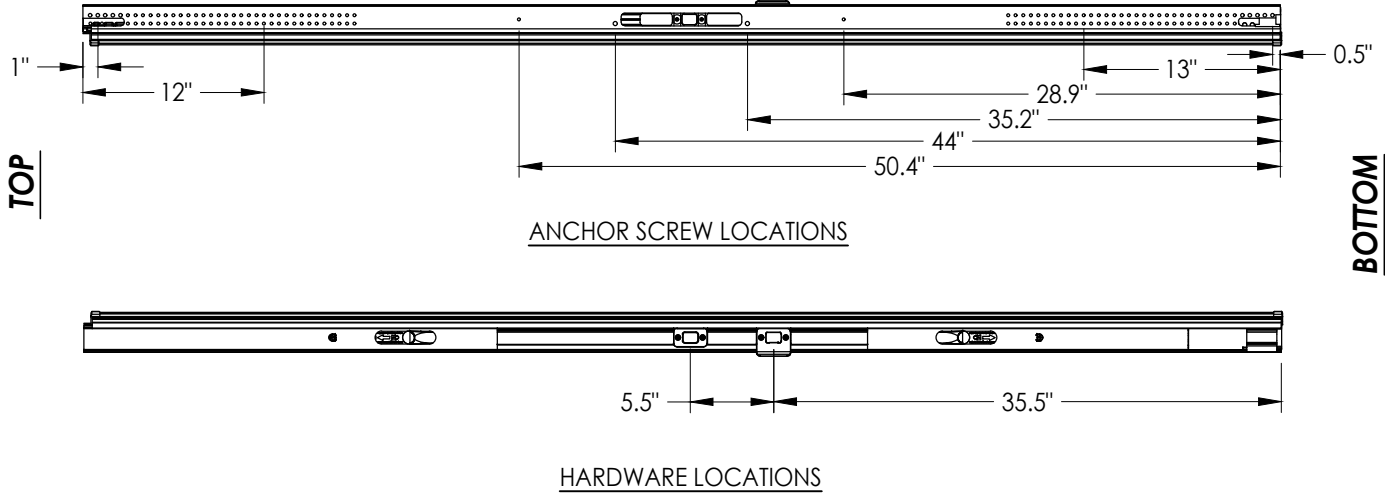
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ULTIMATE HURRICANE ASTRAGAL

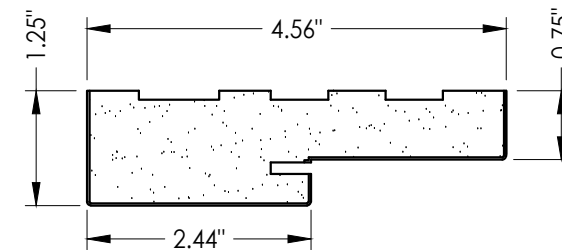
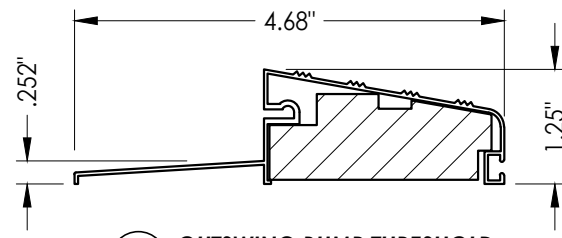
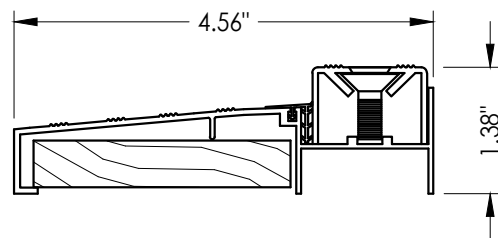
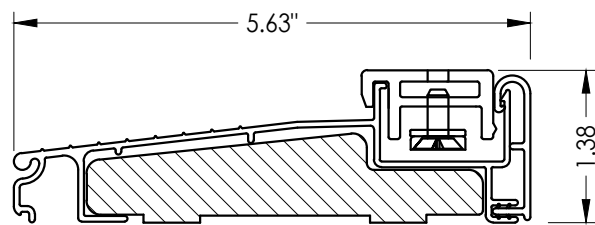
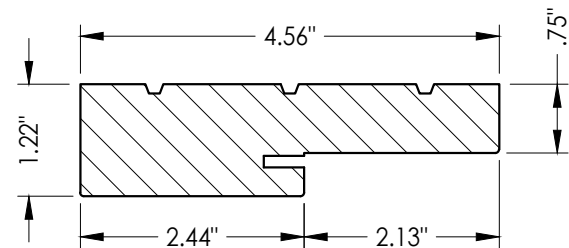


ALUMINUM ASTRAGAL ASSEMBLY



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: ASTRAGAL DETAILS (ULTIMATE HURRICANE)	
		4	8/24/23	UPDATE TO 8TH ED. (2023)	FBC
		3	7/27/20	UPDATE TO 7TH ED. (2020)	FBC
		2	10/19/17	UPDATE TO 6TH ED. (2017)	FBC
		1	04/22/15	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-15213.12					
SHEET 7 OF 8					

BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
B	2X BUCK SG >= 0.55	WOOD	21	POLYFIBER JAMB	COMP. / VINYL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	30	WEATHER-STOP 3647 HOLM INDUSTRIES	VINYL
			31	OUTSWING BUMP THRESHOLD	ALUM.
F	1/4" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL	32	VINYL DOOR BOTTOM SWEEP #3628 BY HOLM IND.	PVC
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL	33	INSWING ADJUSTABLE THRESHOLD BY ENDURA	ALUM. / WOOD
H	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL	34	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM. / WOOD
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL	40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL	41	DOOR SKIN (MIN. 0.075" THICK)	FIBERGLASS
K	#9X 2-1/2" PFH WOOD SCREW	STEEL	42	TOP RAIL	CELLULAR PVC
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	43	LATCH & HINGE STILE	CELLULAR PVC
M	#9 X 2-1/4" PFH WOOD SCREW	STEEL	44	LOCK REINFORCEMENT	WOOD
N	3/16" X 3-1/2" PFH ITW CONCRETE SCREW	STEEL	45	BOTTOM RAIL	CELLULAR PVC
O	3/16" X 1-1/2" PFH ITW CONCRETE SCREW	STEEL	46	POLYURETHANE FOAM BY NAN YA	POLYURETHANE
1	#10 X 2-1/2" PFH SMS	STEEL	47	CONTINUOUS LATCH & HINGE STILE REINFORCEMENT	WOOD
2	#8 X 3" PSH SMS	STEEL	48	SNAP IN LITE FRAME	ABS
3	FLUSH BOLT STRIKE PLATE	STEEL	49	GLAZING COMPOUND DOW 995	SILICONE
7	Q-LON 650 WEATHER STRIP SCHLEGEL	FOAM	56	ALUM. GLAZING SPACER	ALUM.
8	COMPRESSION WEATHER STRIP QLON 650 BY SCHLEGEL	FOAM	61	BOLT RETAINER	NYLON
9	4" X 4" BUTT HINGE	STEEL	65	ASTRAGAL BY ENDURA PRODUCTS	ALUMINUM
10	#9 X 1" PFH WOOD SCREW	STEEL	67	SLIDE BOLT ROD	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL			
17	KWIKSET KEYED ENTRY - SIGNATURE SERIES	STEEL			
18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL			



DATE: 02/16/12		DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		<i>R^gW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15213.12			
SHEET 8 OF 8			
NO. DATE		PRODUCT:	
4 8/24/23		PLASTPRO INC.	
3 7/27/20		FIBERGLASS DOOR	
2 10/19/17		PART OR ASSEMBLY:	
1 04/22/15		BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS	
NO. DATE		REVISIONS	
4 8/24/23		UPDATE TO 8TH ED. (2023) FBC	
3 7/27/20		UPDATE TO 7TH ED. (2020) FBC	
2 10/19/17		UPDATE TO 6TH ED. (2017) FBC	
1 04/22/15		UPDATE TO 5TH ED. (2014) FBC	
NO. DATE		BY	