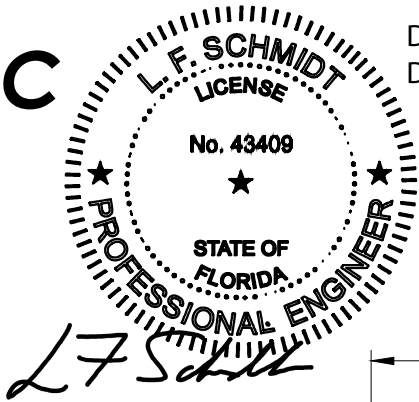


PRESTIGE IRON DOOR, LLC

12525 Westfield Lakes Circle
Winter Garden, FL 34787

GLAZED DOOR
DOUBLE CONFIGURATION

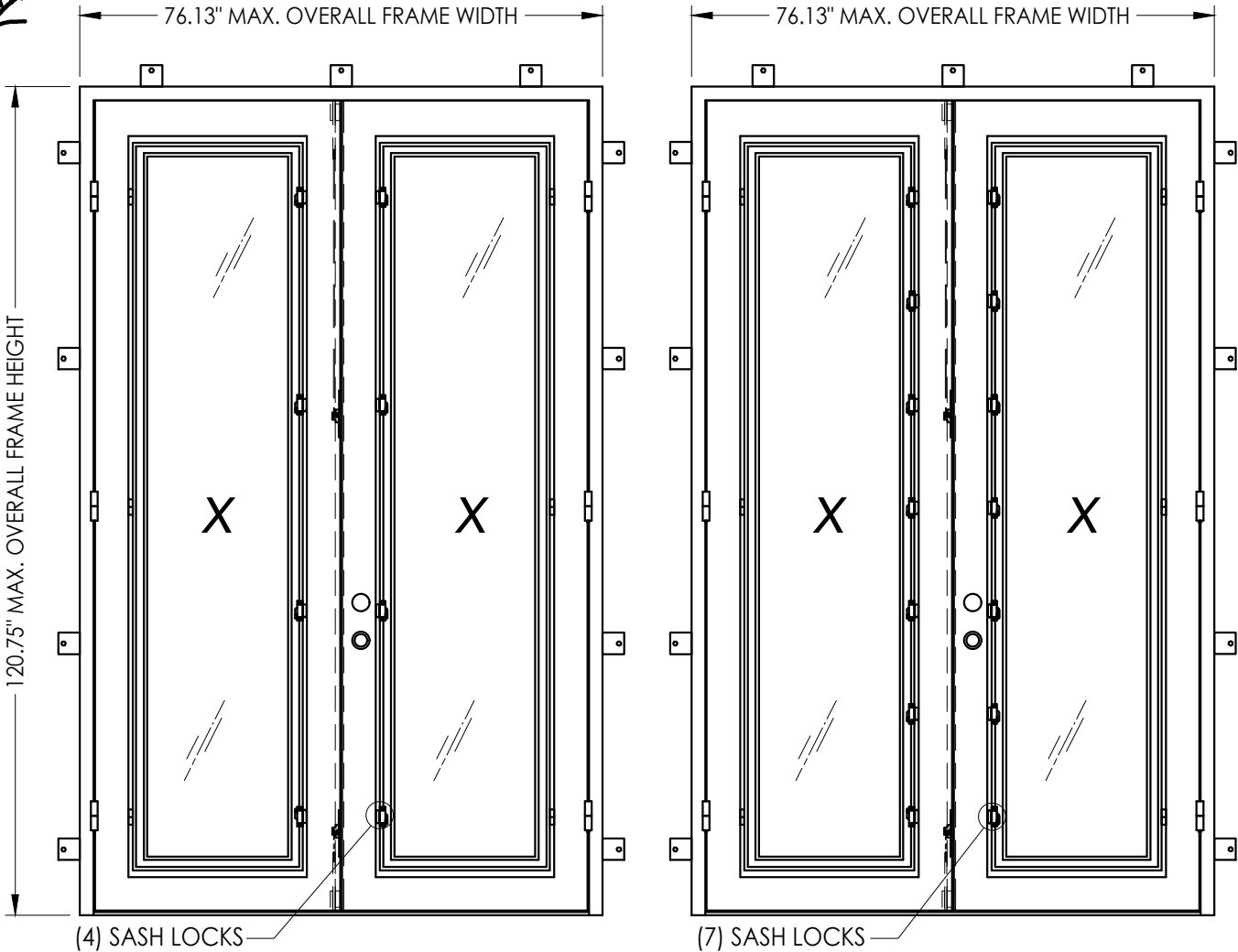
INSWING / OUTSWING
"NON-IMPACT"



Digitally signed by Lyndon F Schmidt
Date: 2023.08.21 14:54:14 -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



GLAZED DOOR
WITH 4 SASH LOCKS

GLAZED DOOR
WITH 7 SASH LOCKS

SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)			
				(4) SASH LOCKS		(7) SASH LOCKS	
				POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
INSWING	76.13" x 120.75"	20.5" x 102.0"	G1	+65.0	-65.0	+100.0	-100.0
OUTSWING	76.13" x 120.75"	20.5" x 102.0"		+65.0	-65.0	+100.0	-100.0

GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 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 panel details
3	Horizontal & vertical cross sections
4	Horizontal & vertical cross sections
5	Buck anchoring
6	Frame anchoring
7	Flush bolt detail
8	Components
9	Bill of materials, glazing detail & components

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	FBC	LFS	TRJ	JK	LFS	BY
5	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS				
4	3/25/21	UPDATE TO 7th. ED. (2020)	FBC	LFS				
3	5/30/19	UPDATE TO 6th. ED. (2017)	FBC	TRJ				
2	8/24/16	REVISE ADDRESS						
1	4/04/16	UPDATE TO 5th. ED. (2014)	FBC	LFS				

DATE: 10/27/08

SCALE: N.T.S.

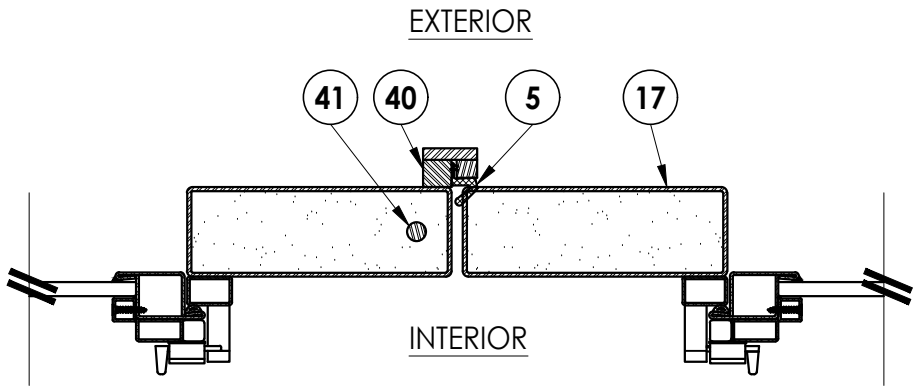
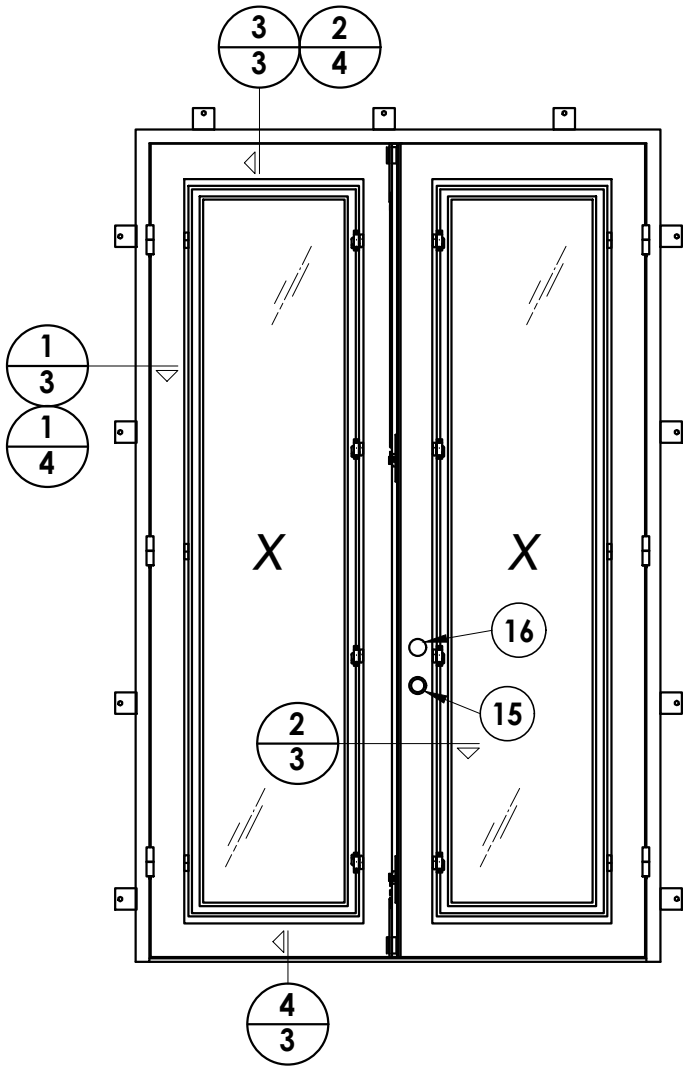
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CHK. BY: LFS

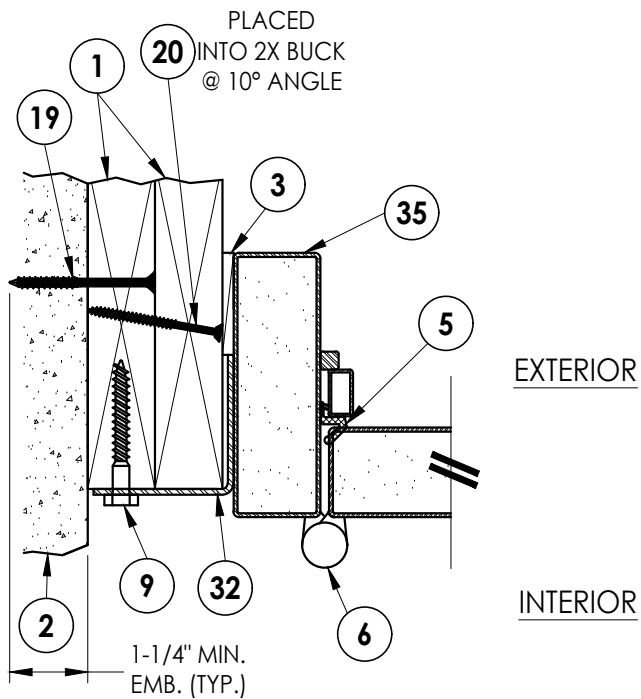
DRAWING NO.:
FL-11453.2

SHEET 1 OF 9

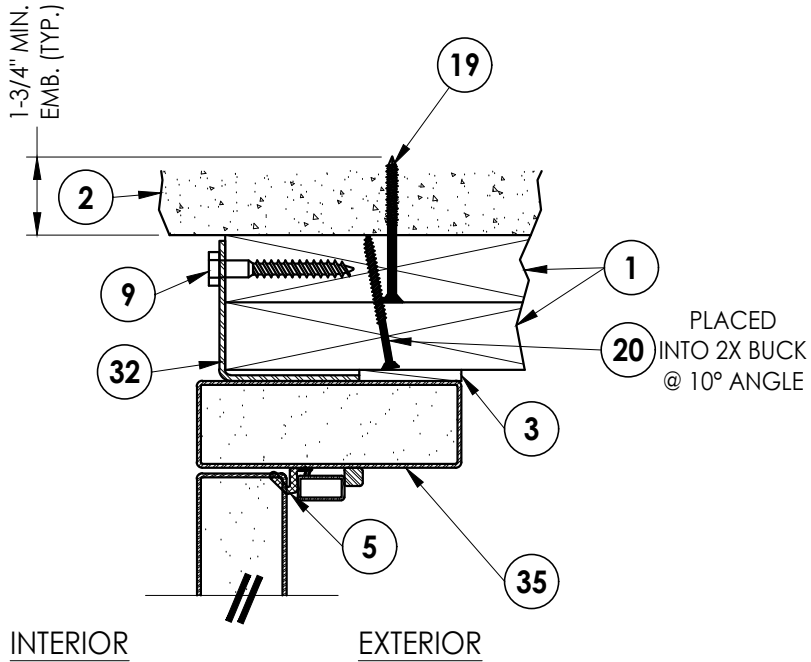
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



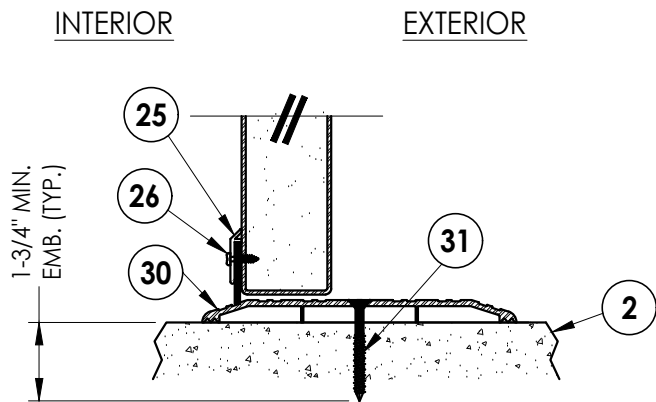
2
3 HORIZONTAL CROSS SECTION
Inswing Shown (Outswing Similar)



1
3 HORIZONTAL CROSS SECTION
Inswing Shown (Outswing Similar)



3
3 VERTICAL CROSS SECTION
Inswing Shown (Outswing Similar)



4
3 VERTICAL CROSS SECTION
Inswing Shown (Outswing 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:

PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:

HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	3/25/21	UPDATE TO 7th. ED. (2020) FBC LFS
3	5/30/19	UPDATE TO 6th. ED. (2017) FBC TRJ
2	8/24/16	REVISE ADDRESS JK
1	4/04/16	UPDATE TO 5th ED. (2014) FBC LFS
NO.	DATE	BY

DATE: 10/27/08

SCALE: N.T.S.

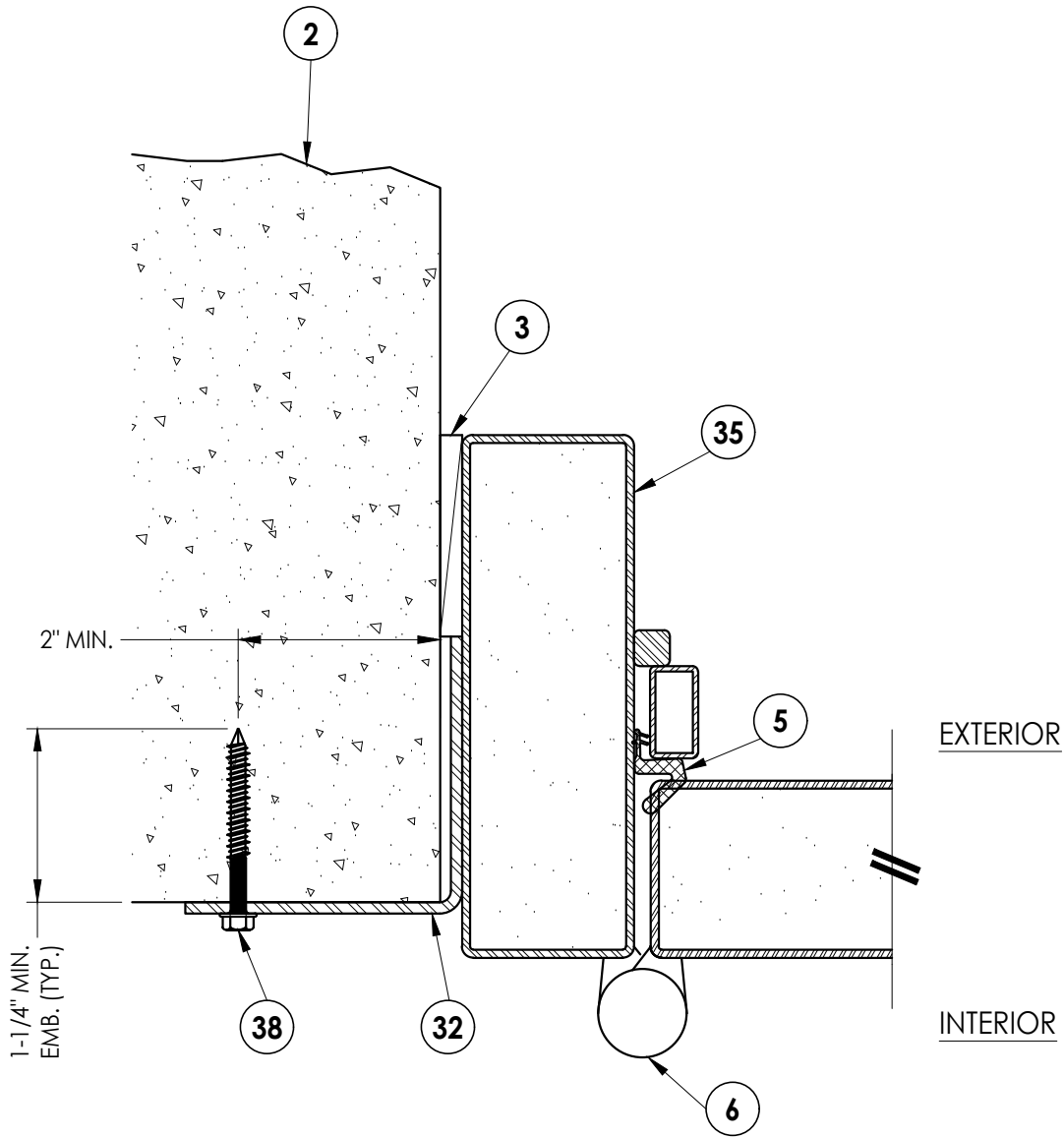
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CHK. BY: LFS

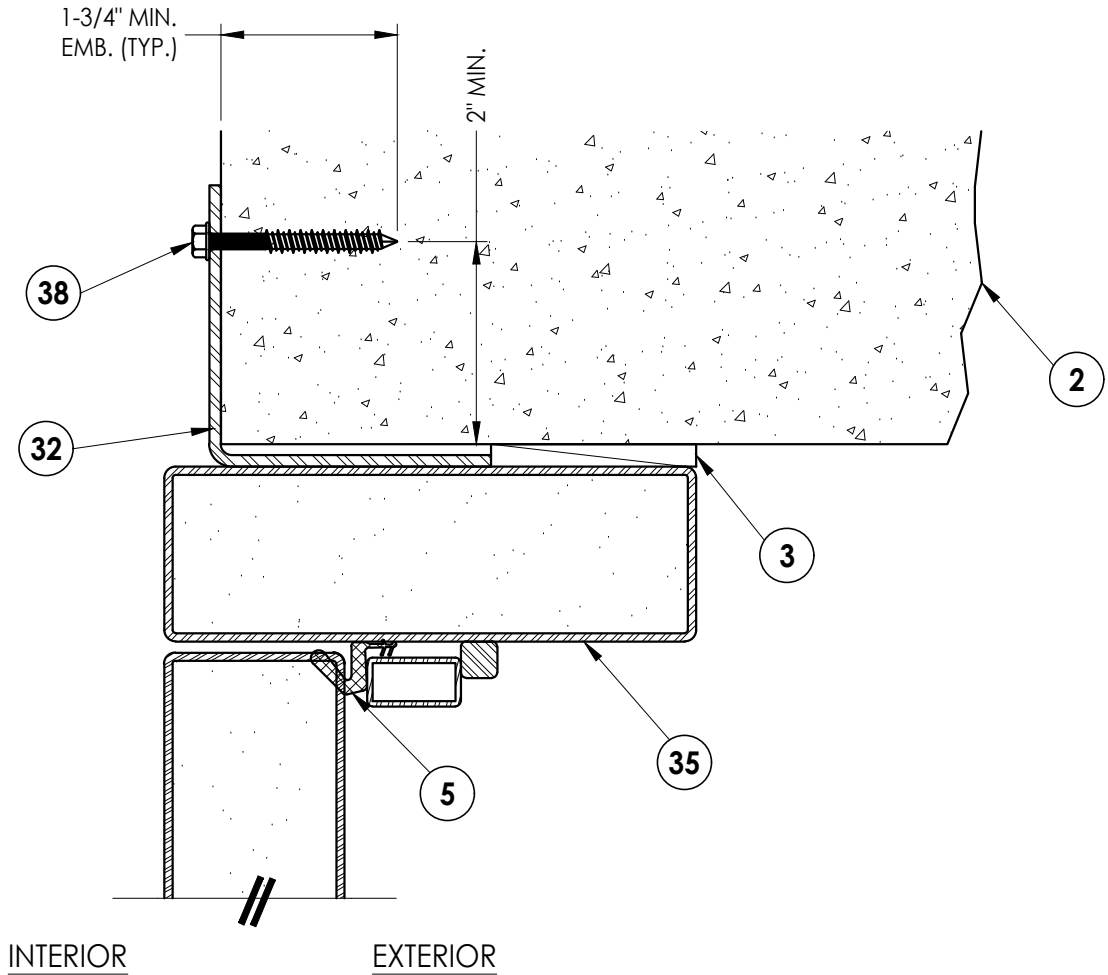
DRAWING NO.:

FL-11453.2

SHEET 3 OF 9



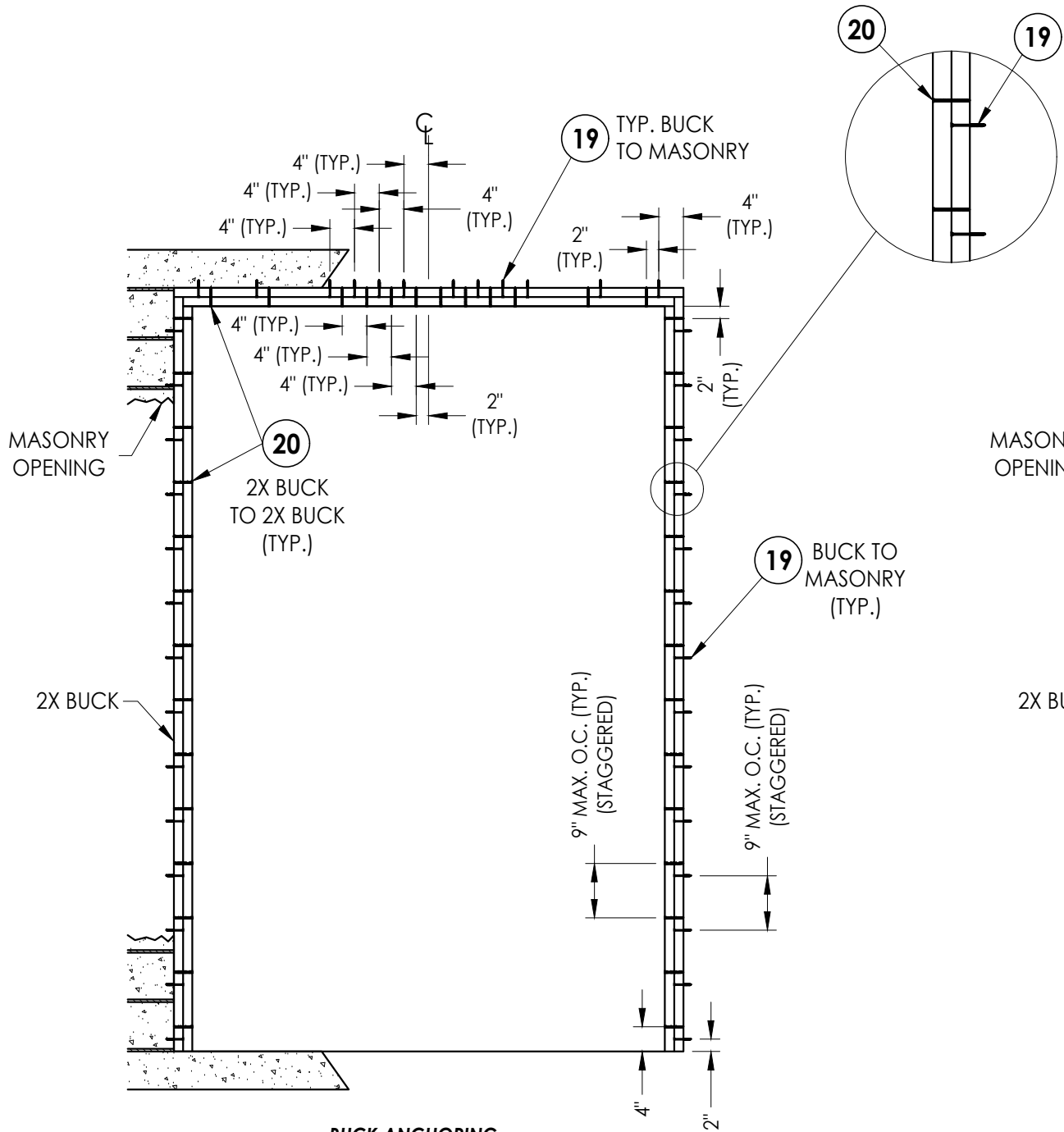
1 HORIZONTAL CROSS SECTION
4 Direct To Masonry
Inswing Shown (Outswing Similar)



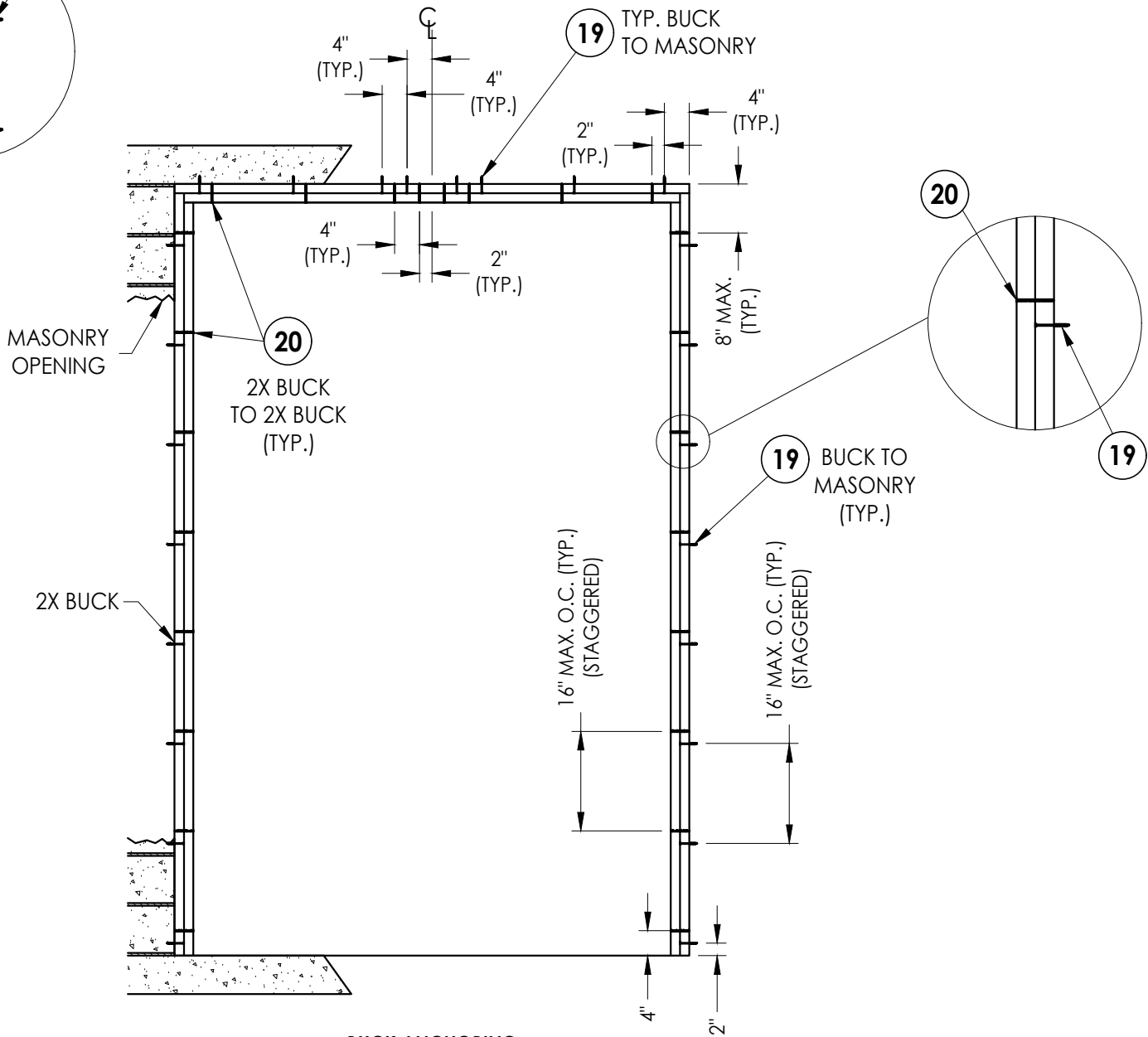
2 VERTICAL CROSS SECTION
4 Direct To Masonry
Inswing Shown (Outswing Similar)

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: PRESTIGE IRON DOOR GLAZED STEEL DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS		
5	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	3/25/21	UPDATE TO 7th. ED. (2020)	FBC	LFS
3	5/30/19	UPDATE TO 6th. ED. (2017)	FBC	TRJ
2	8/24/16	REVISE ADDRESS		JK
1	4/04/16	UPDATE TO 5th ED. (2014)	FBC	LFS
NO.	DATE			BY
REVISIONS				
DATE: 10/27/08				
SCALE: N.T.S.				
DWG. BY: AL				
CHK. BY: LFS				
DRAWING NO.: FL-11453.2				
SHEET 4 OF 9				

Z:\2023 FBC Drawings\Prestige Iron Doors\FL-11453 R4\FL-11453.1-5.dwg



BUCK ANCHORING
(Max. design pressure $\pm$ 100 psf)



BUCK ANCHORING
(Max. design pressure $\pm$ 65 psf)

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" (JAMBS) 1-3/4" (HEAD)	2-1/2"	4"

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:

PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING

DATE: 10/27/08

SCALE: N.T.S.

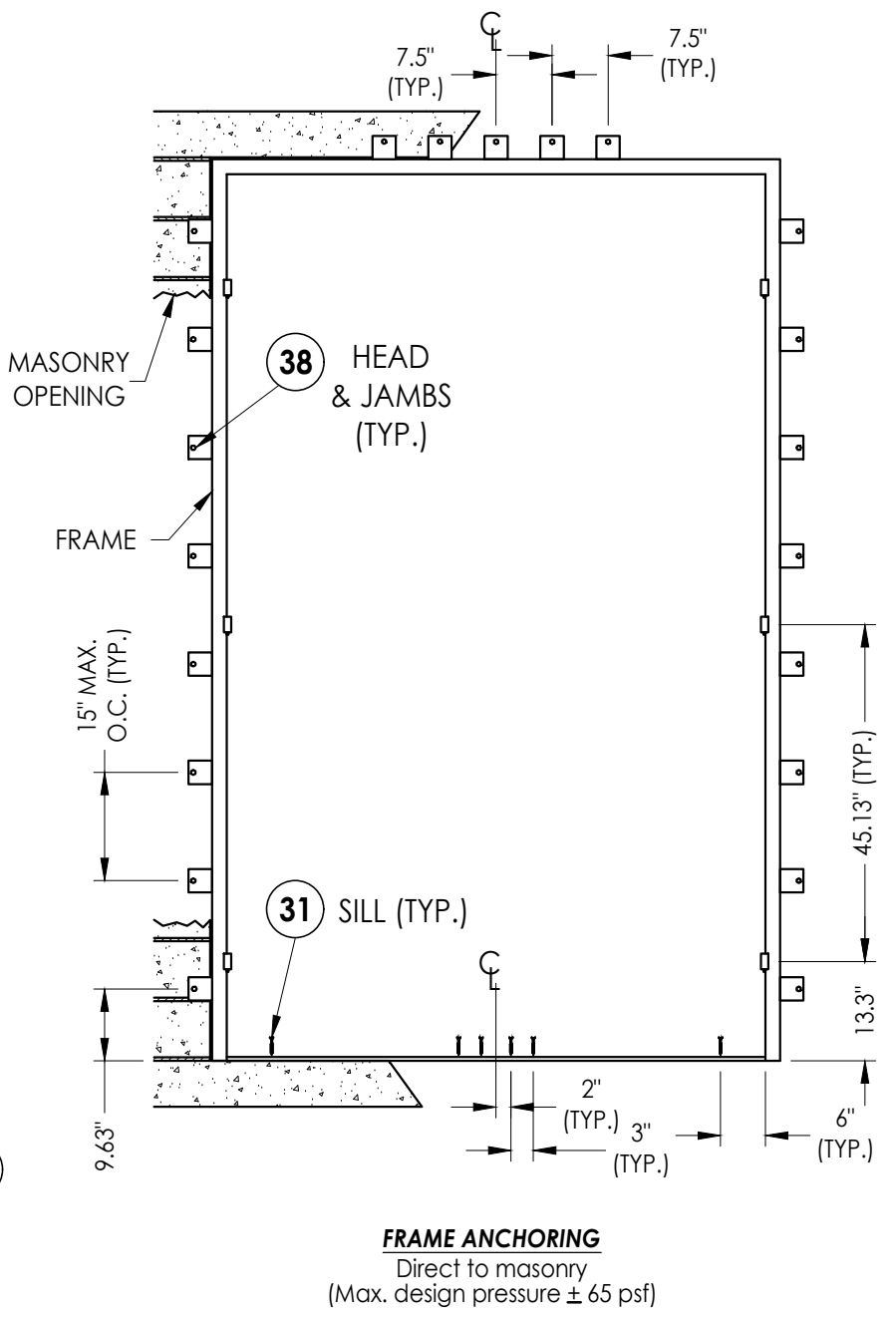
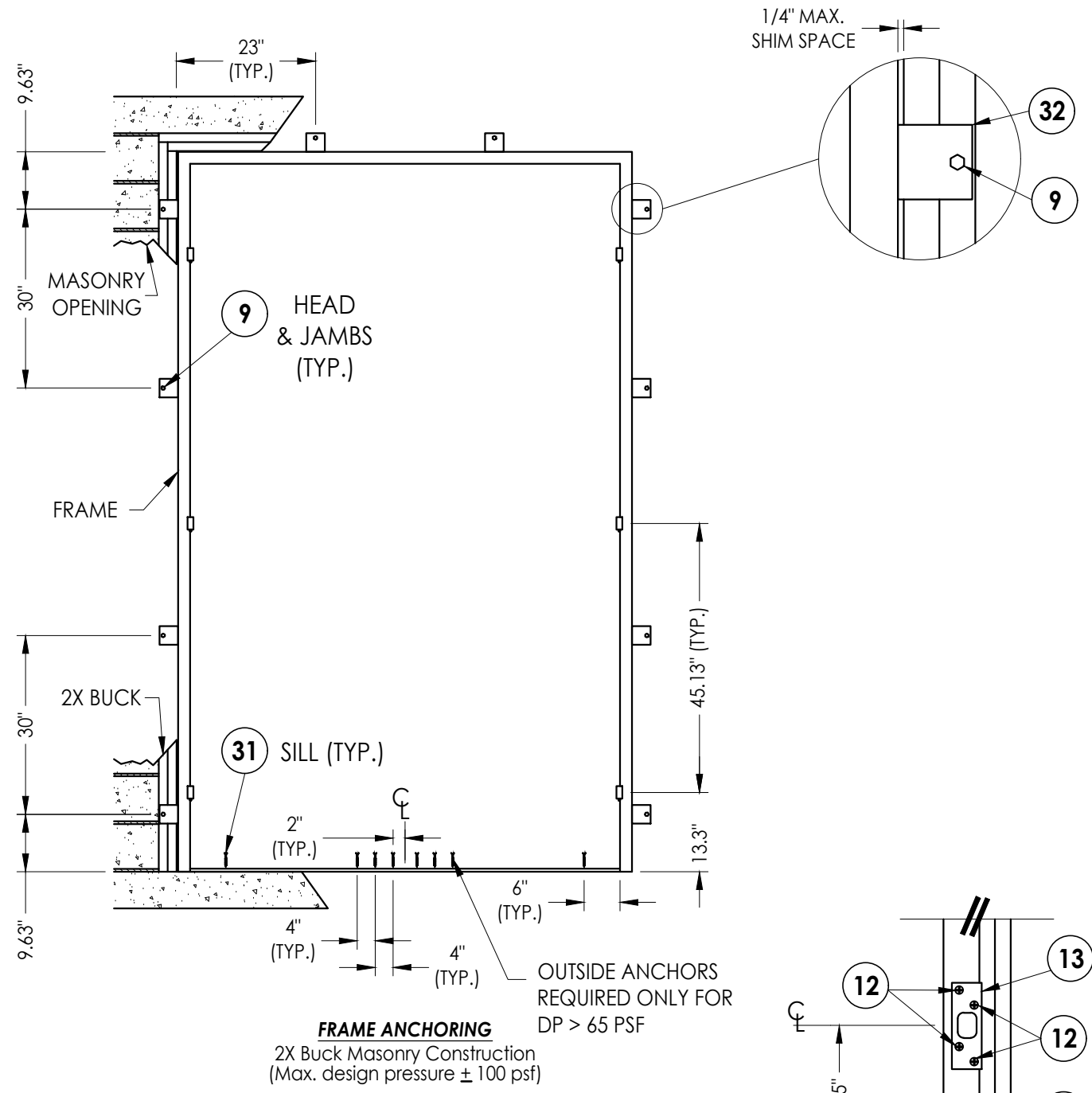
DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:
FL-11453.2

SHEET 5 OF 9

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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"	1-3/4"	2-1/2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4" (JAMBS)	1"	6"
		1-3/4" (HEAD/SILL)	1"	4"

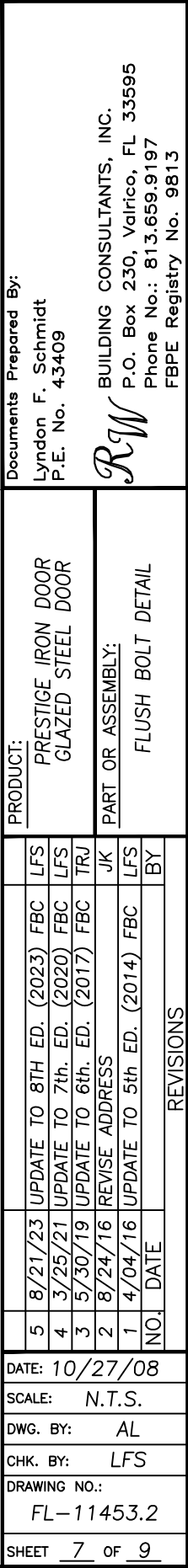
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3	5/30/19	UPDATE TO 6th. ED. (2017)	FBC	TRJ
2	8/24/16	REVERSE ADDRESS		JK
1	4/04/16	UPDATE TO 5th ED. (2014)	FBC	LFS
NO. DATE				
REVISIONS				

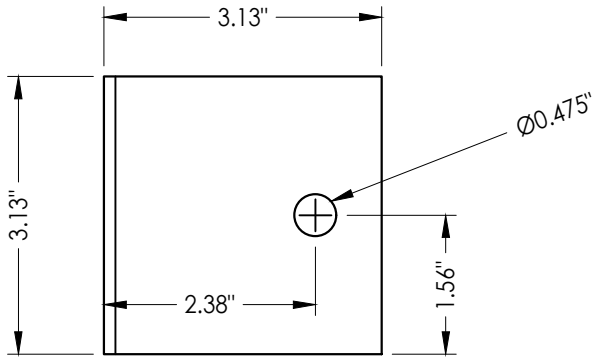
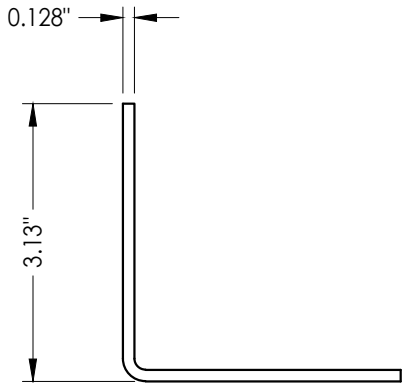
DATE:	10/27/08
SCALE:	N.T.S.
DWG. BY:	AL
CHK. BY:	LFS
DRAWING NO.:	FL-11453.2
SHEET	6 OF 9

PRODUCT:	PRESTIGE IRON DOOR GLAZED STEEL DOOR
PART OR ASSEMBLY:	FRAME ANCHORING

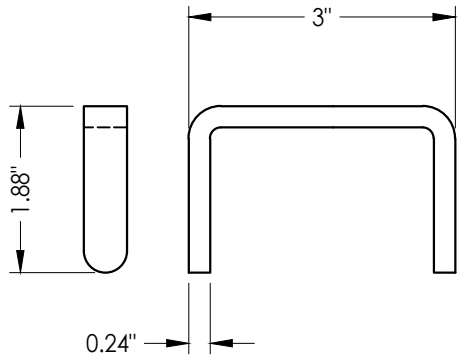
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

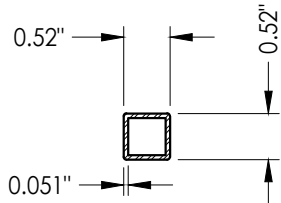




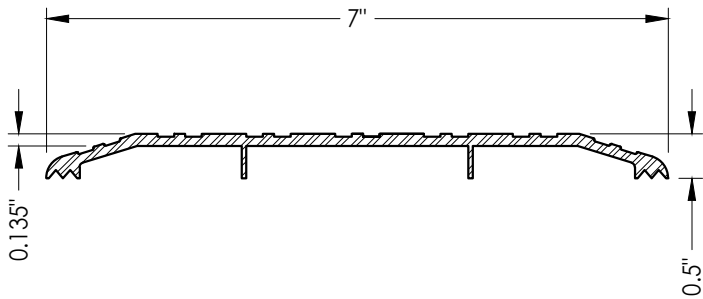
32 ANCHORING ANGLE



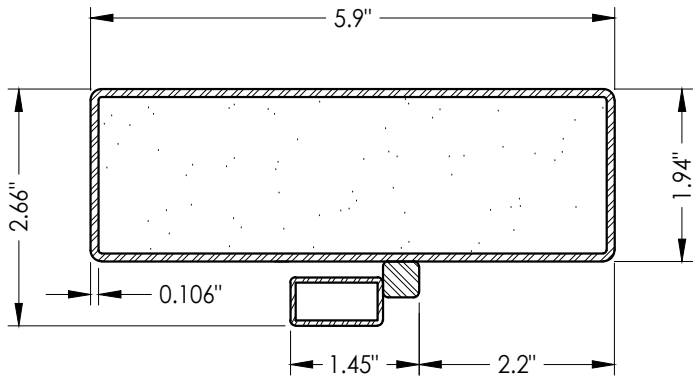
34 LATCH KEEPER



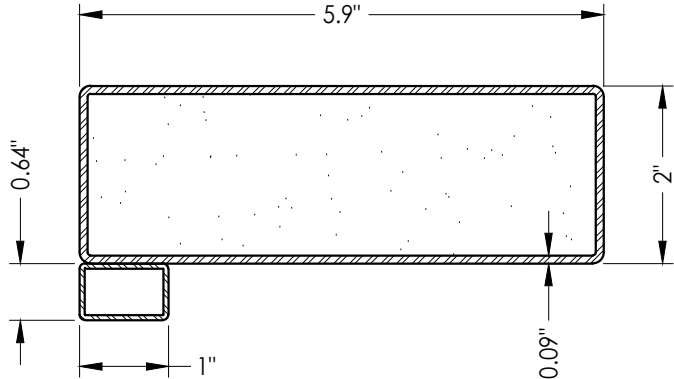
22 GLASS STOP



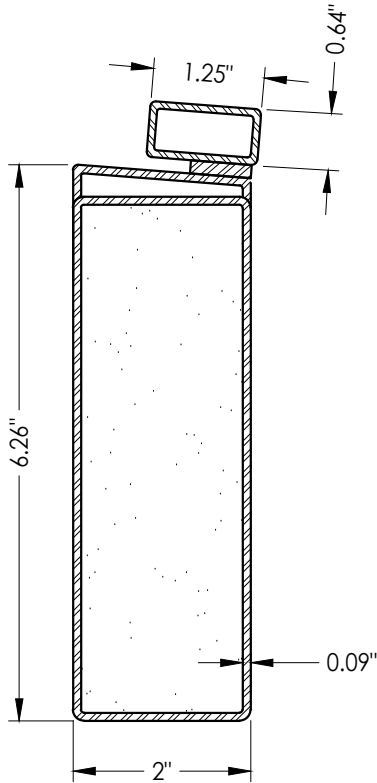
30 ADA THRESHOLD



35 DOOR FRAME
Foam filled



17 TOP RAIL/STILES
Foam filled



18 BOTTOM RAIL
Foam filled

DATE: 10/27/08

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.: FL-11453.2

SHEET 8 OF 9

5	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
4	3/25/21	UPDATE TO 7th. ED. (2020)	FBC	LFS		
3	5/30/19	UPDATE TO 6th. ED. (2017)	FBC	TRJ		
2	8/24/16	REVISE ADDRESS		JK		
1	4/04/16	UPDATE TO 5th ED. (2014)	FBC	LFS		
NO.	DATE	REVISIONS				

PRODUCT:
PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:
COMPONENTS

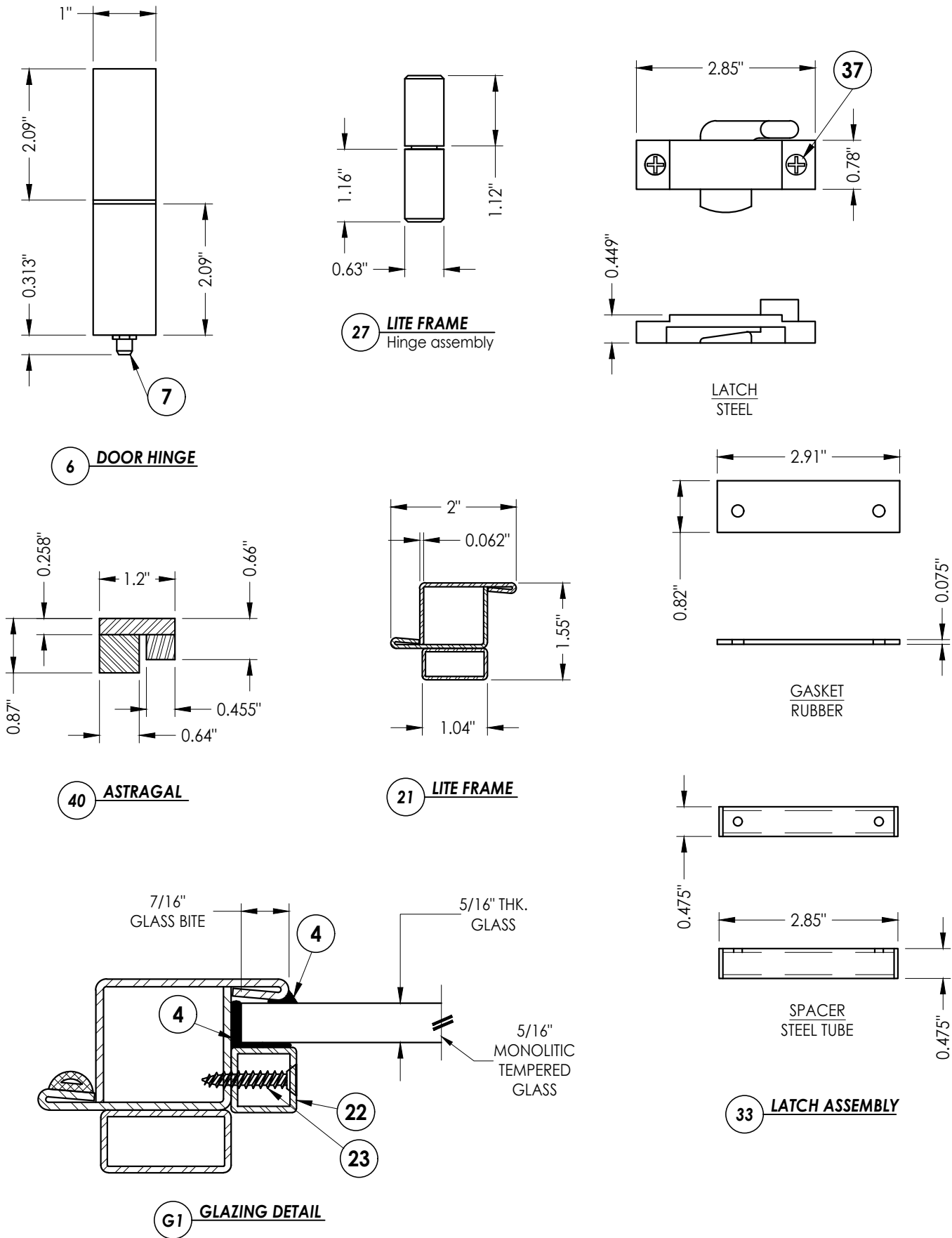
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

Z:\2023 FBC Drawings\Prestige Iron Doors\FL-11453 R4\FL-11453.1-5.dwg

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	2X BUCK SG >= 0.55	WOOD
2	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
3	1/4" MAX. SHIM SPACE	-
4	STRUCTURAL GLAZING COMPOUND (GE SILICONE 1*)	SILICONE
5	WEATHERSTRIP	FOAM
6	DOOR HINGE	STEEL
7	GREASE FITTING	STEEL
8	SASH SEAL	FOAM
9	3/8" X 3" H.H. LAG SCREW (2.75" MIN. EMBEDMENT)	STEEL
10	#10-32 X 1/2" PFH M.S.	STEEL
11	LOCK STRIKE PLATE	STEEL
12	#10-24 X 1" PFH M.S.	STEEL
13	DEAD BOLT STRIKE PLATE	STEEL
15	KWIKSET 200 SERIES PASSAGE LOCK	STEEL
16	KWIKSET 600 SERIES DEADBOLT	STEEL
17	TOP RAIL/STILES	STEEL
18	BOTTOM RAIL	STEEL
19	1/4" X 3-1/4" ITW PFH CONCRETE SCREW	STEEL
20	#10 X 3" PFH WOOD SCREW	STEEL
21	LITE FRAME	STEEL
22	GLASS STOP	STEEL
23	#6 X 1" PFH SMS	STEEL
25	DOOR SWEEP (No. 315N BY PEMKO)	ALUMINUM
26	#6 X 5/8" PFH SMS	STEEL
27	LITE FRAME HINGE ASSEMBLY	STEEL
30	ADA THRESHOLD	ALUMINUM
31	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
32	ANCHORING ANGLE	STEEL
33	LATCH ASSEMBLY	STEEL
34	LATCH KEEPER	STEEL
35	DOOR FRAME	STEEL
36	POLYURETHANE FOAM	POLYURETHANE
37	#6 X 3/4" PFH SMS	STEEL
38	1/4" X 2-1/4" HWH DeWALT CONCRETE SCREW	STEEL
40	ASTRAGAL	STEEL
41	FLUSH BOLT ASSEMBLY: 0.424" DIA. BOLT	STEEL

All Door Component Steel: ASTM A36



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: PRESTIGE IRON DOOR GLAZED STEEL DOOR		PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS	
5	8/21/23	UPDATE TO 8TH ED. (2023)	FBC
4	3/25/21	UPDATE TO 7th. ED. (2020)	FBC
3	5/30/19	UPDATE TO 6th. ED. (2017)	FBC
2	8/24/16	REVISE ADDRESS	JK
1	4/04/16	UPDATE TO 5th ED. (2014)	FBC
NO. DATE		REVISIONS	
DATE: 10/27/08		SCALE: N.T.S.	
DWG. BY: AL		CHK. BY: LFS	
DRAWING NO.: FL-11453.2		SHEET 9 OF 9	