

PRESTIGE IRON DOOR, LLC

12525 Westfield Lakes Circle
Winter Garden, FL 34787

GLAZED DOUBLE DOOR
w/ ARCH TOP OR
RECTANGULAR TRANSOM

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.

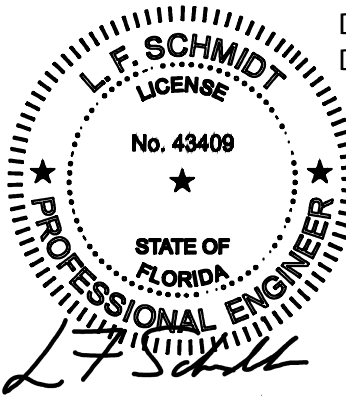
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

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 & R310.2.1.2.
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.

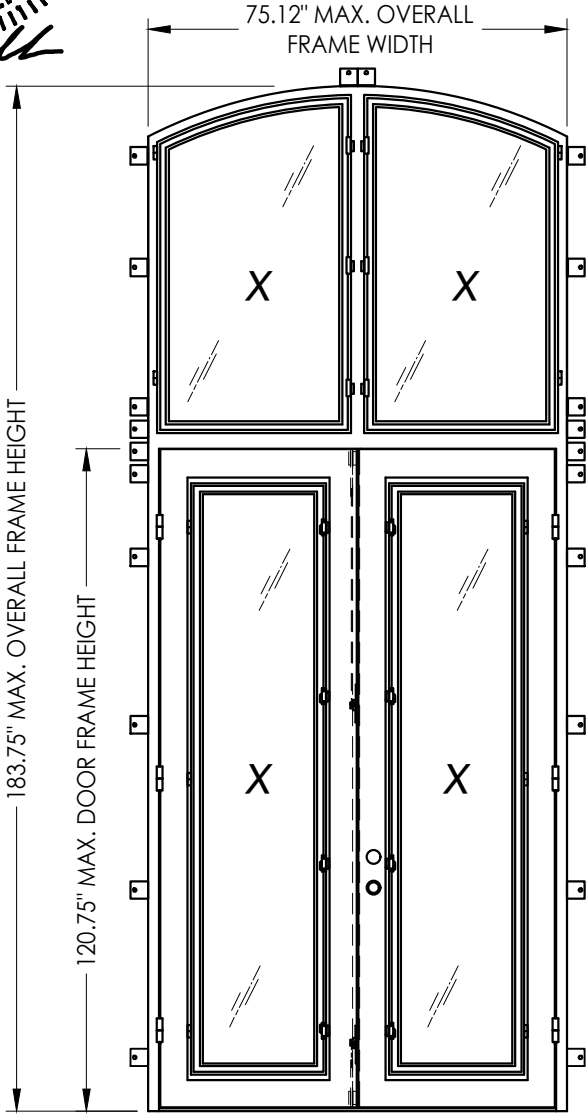
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Door panel details
3	Transom details
4	Horizontal & vertical cross sections
5	Horizontal & vertical cross sections
6	Buck & frame anchoring
7	Frame anchoring
8	Flush bolt detail
9	Components
10	Components
11	Bill of materials, glazing detail & components



Digitally signed by Lyndon F Schmidt
Date: 2023.08.21 14:55:54 -04'00'

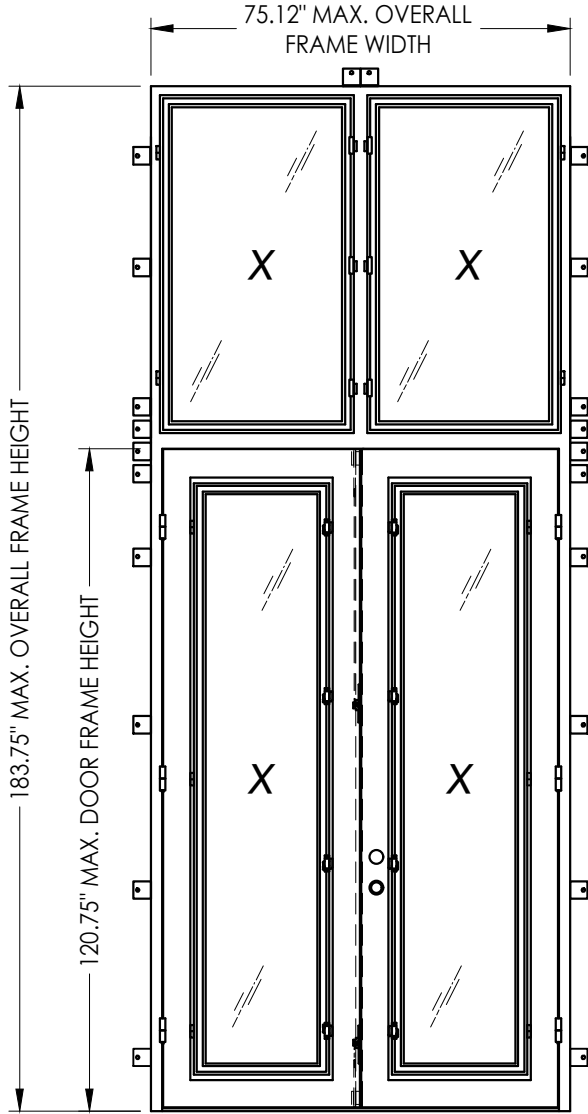
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA
75.12" MAX. OVERALL
FRAME WIDTH



GLAZED DOOR

WITH 4 SASH LOCKS (DOOR)
WITH 3 SASH LOCKS (TRANSOM)



GLAZED DOOR

WITH 4 SASH LOCKS (DOOR)
WITH 3 SASH LOCKS (TRANSOM)

SWING	OVERALL FRAME DIMENSION	DOOR D.L.O. DIMENSION	TRANSOM D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)			
					WOOD BUCK ANCHORING		DIRECT TO MASONRY	
					POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
INSWING	75.12"	20.5"	30.5"	G1	+65.0	-65.0	+40.0	-40.0
OUTSWING	183.75"	102.0"	55.75"		+65.0	-65.0	+40.0	-40.0

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

PRODUCT:
PRESTIGE IRON DOOR
GLAZED STEEL DOOR

NO.	DATE	REVISIONS			
		BY	LFS	JK	TRJ
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	

DATE: 10/28/08

SCALE: N.T.S.

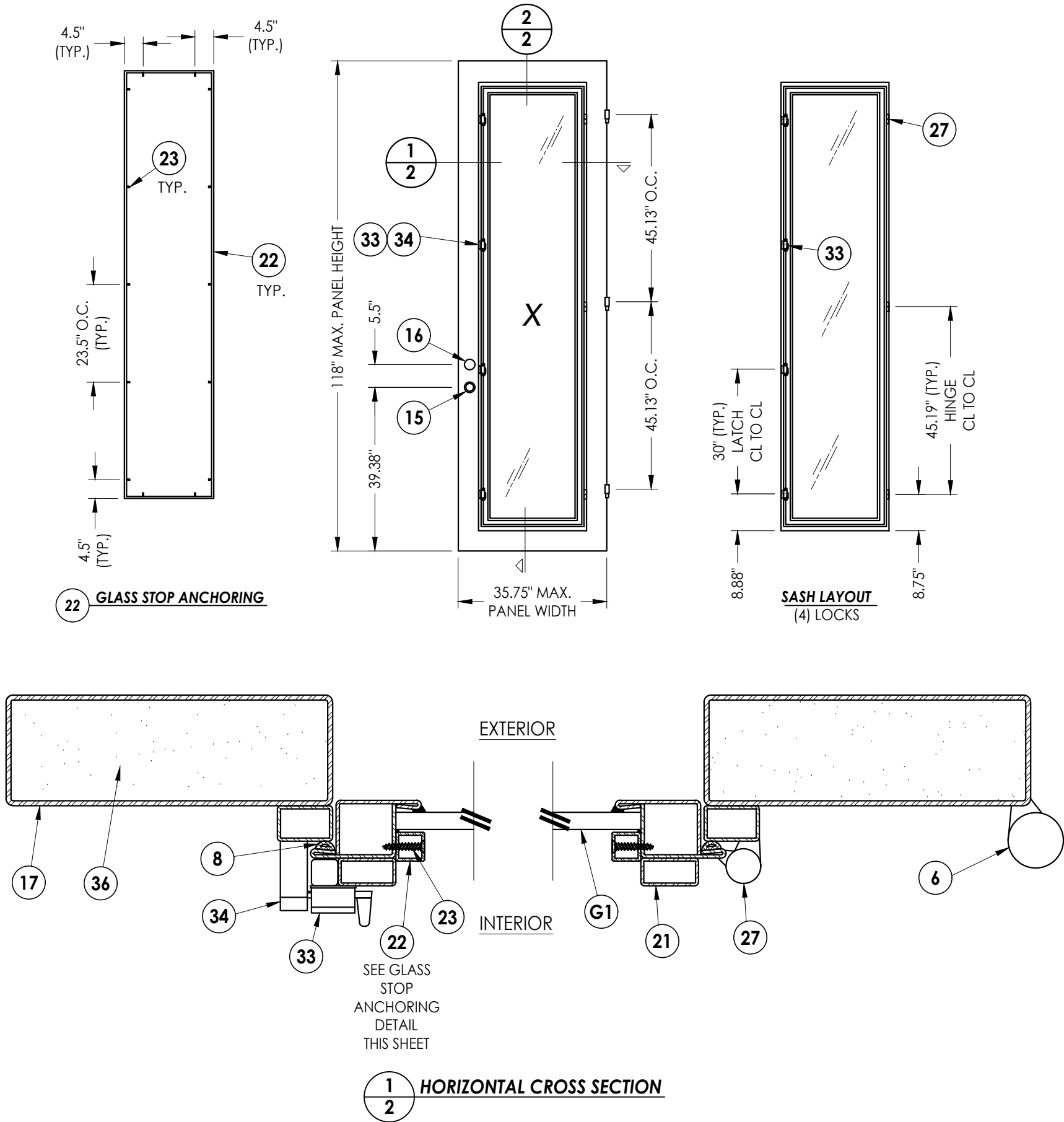
DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:
FL-11453.4

SHEET 1 OF 11

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



REVISIONS		DATE		NO.		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		JK			
1	4/04/16	UPDATE TO 5TH ED. (2014)	FBC	LFS			

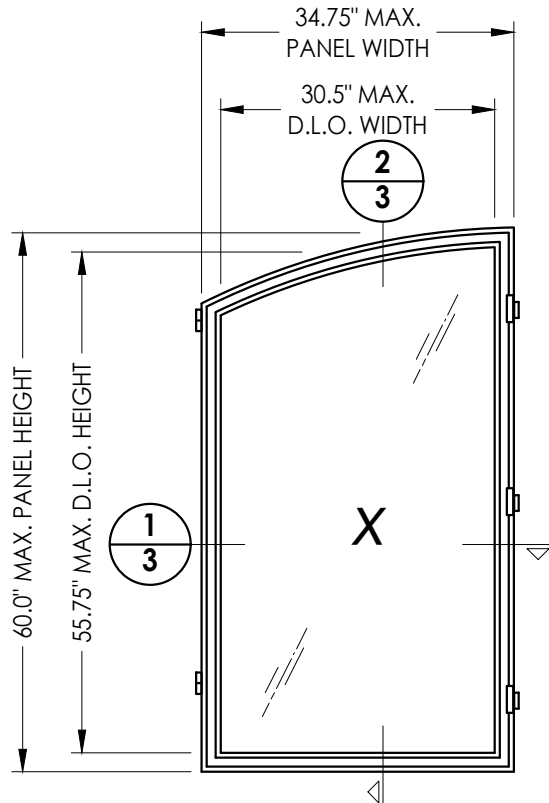
PRODUCT:		PRESTIGE IRON DOOR	
		GLAZED STEEL DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	

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

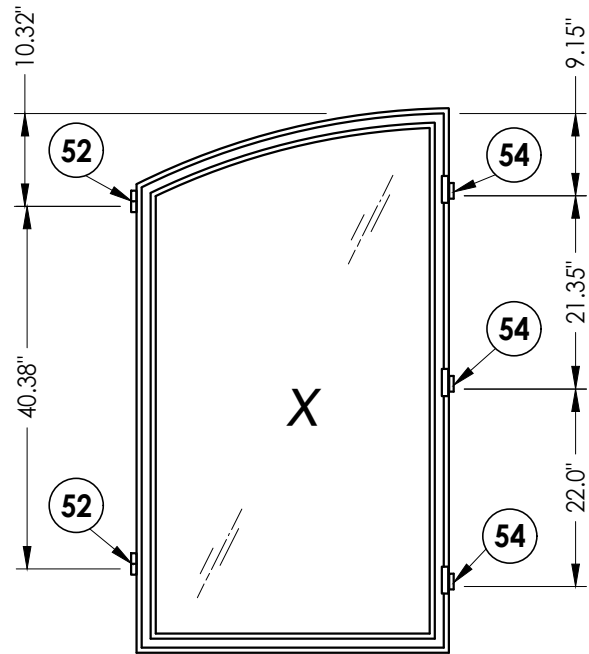
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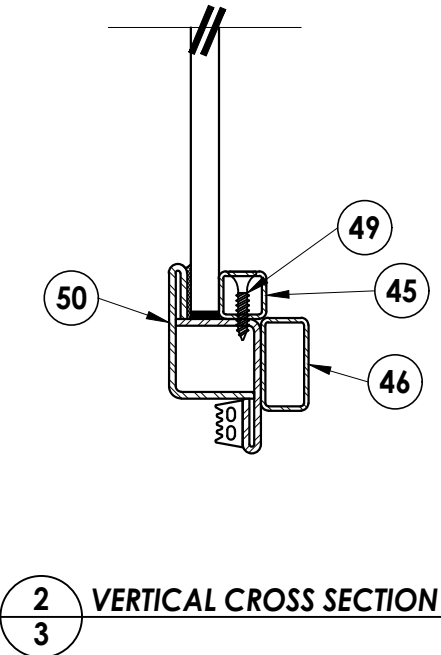
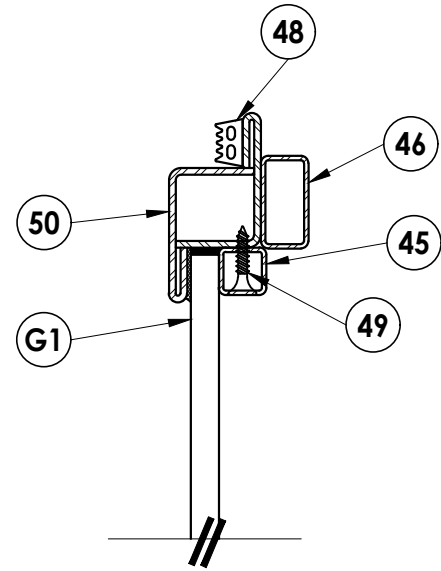
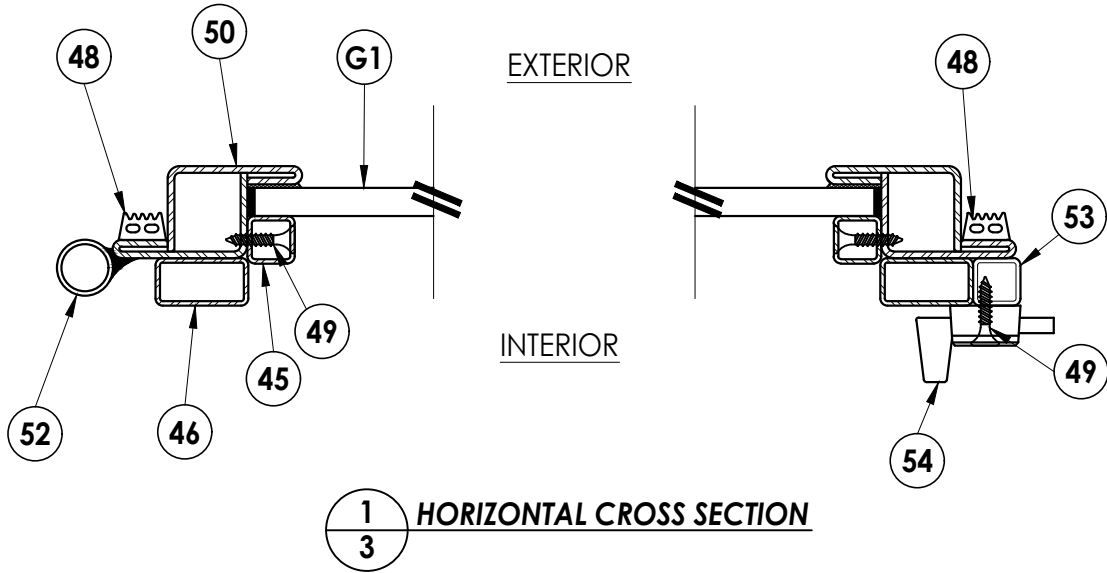
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TRANSOM SASH PANEL
WITH OVERALL DIMENSIONS
(LEFT PANEL SHOWN)
(RIGHT PANEL MIRRORED CONFIG.)

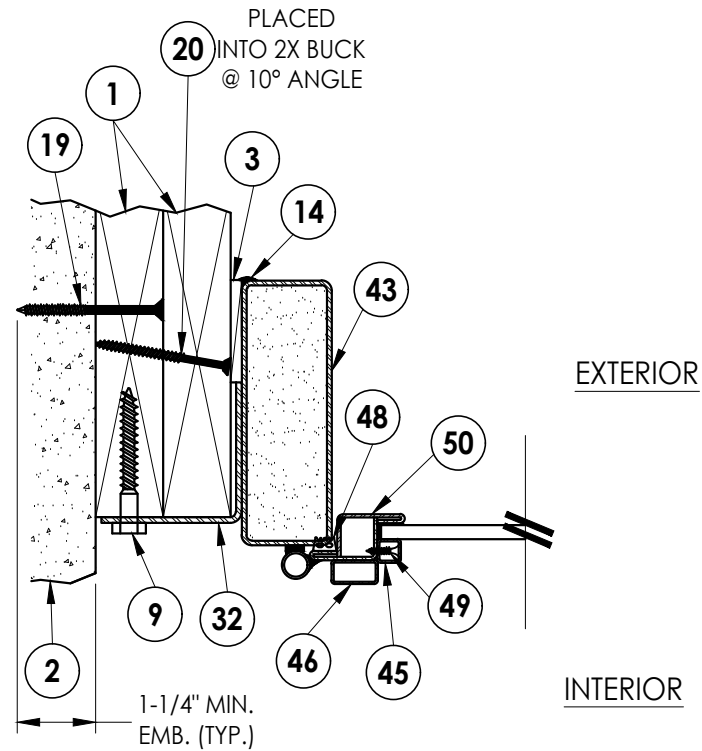


TRANSOM SASH PANEL
WITH HARDWARE LOCATIONS
(LEFT PANEL SHOWN)
(RIGHT PANEL MIRRORED CONFIG.)

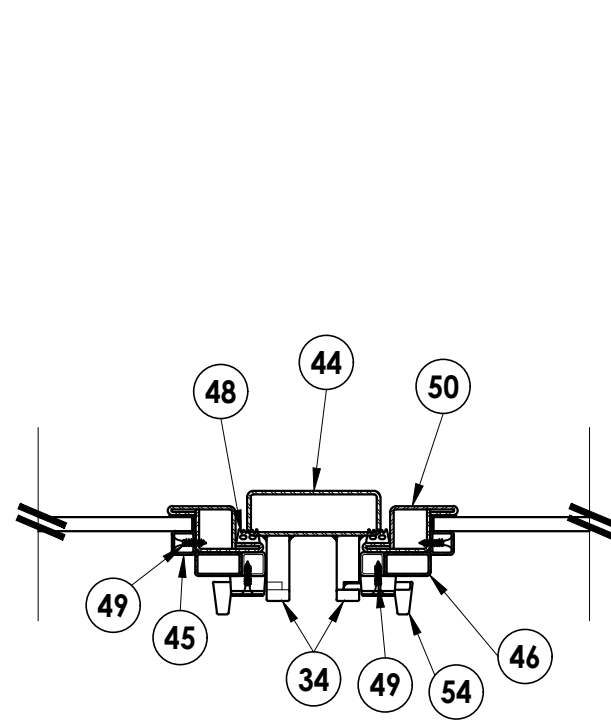


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PRODUCT: PRESTIGE IRON DOOR GLAZED STEEL DOOR		PART OR ASSEMBLY: TRANSOM DETAILS		
5	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	3/25/21	UPDATE TO 7th. ED. (2020)	FBC	LFS
3	5/30/19	UPDATE TO 6th. ED. (2017)	FBC	TRJ
2	8/24/16	REVISE ADDRESS	JK	LFS
1	4/04/16	UPDATE TO 5th. ED. (2014)	FBC	LFS
NO.	DATE			BY
REVISIONS				
DATE: 10/28/08				
SCALE: N.T.S.				
DWG. BY: AL				
CHK. BY: LFS				
DRAWING NO.: FL-11453.4				
SHEET 3 OF 11				

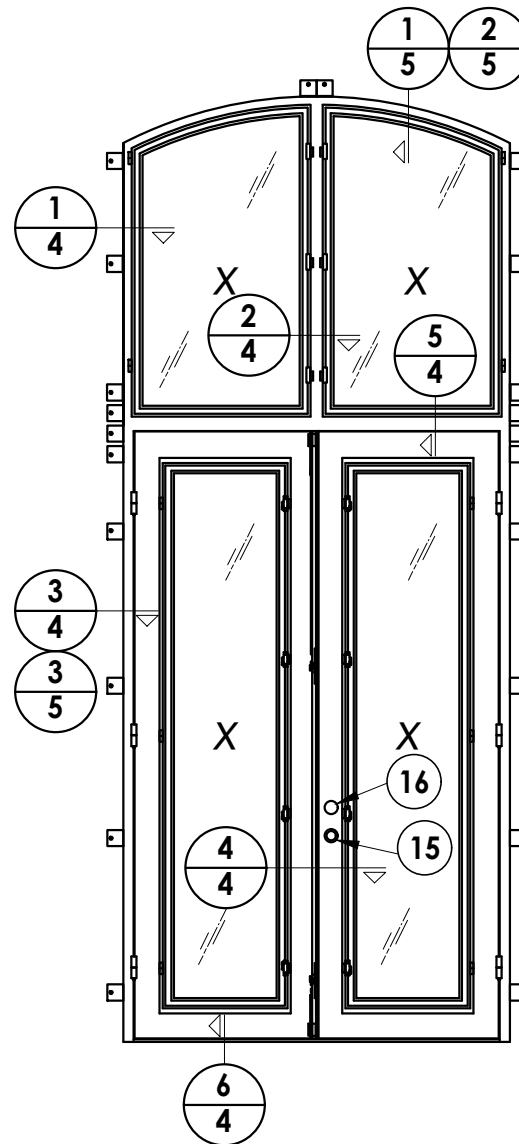
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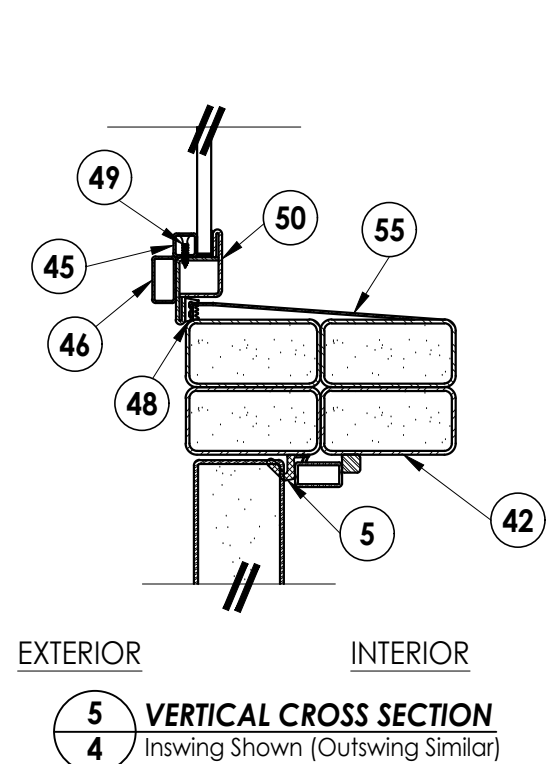
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4 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)



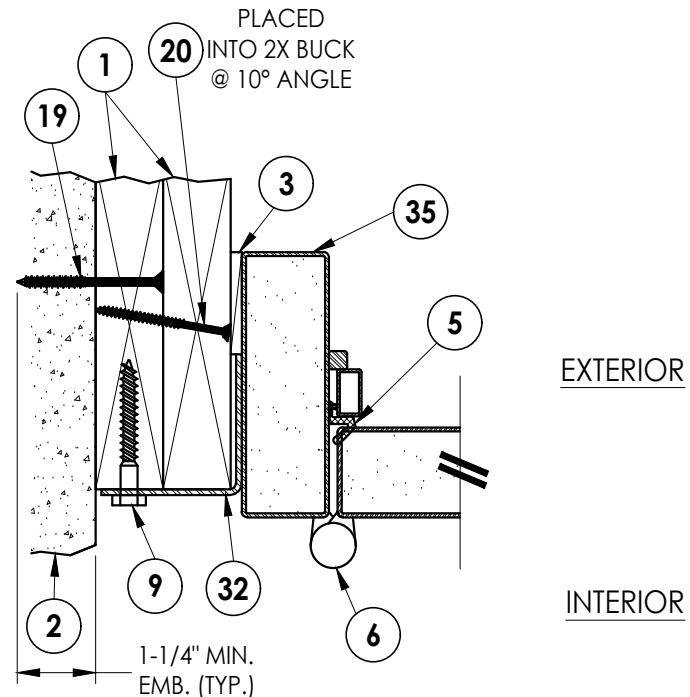
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4 **VERTICAL CROSS SECTION**
Inswing Shown (Outswing Similar)



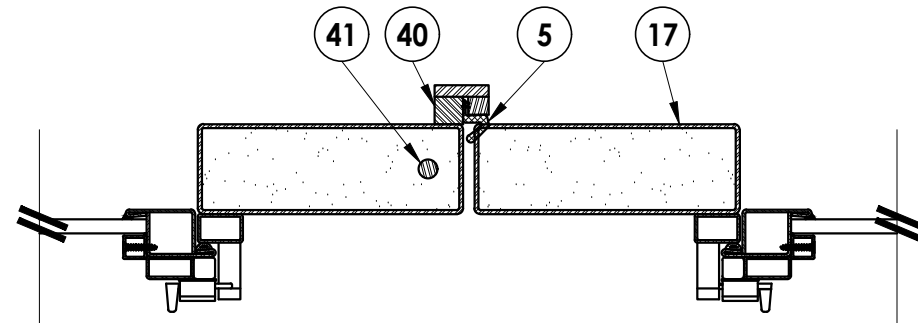
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4 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)



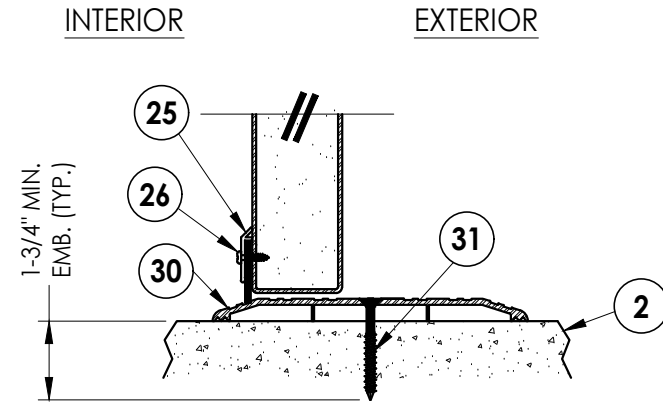
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4 **VERTICAL CROSS SECTION**
Inswing Shown (Outswing Similar)



3
4 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)



4
4 **HORIZONTAL CROSS SECTION**
Inswing Shown (Outswing Similar)



6
4 **VERTICAL CROSS SECTION**
Inswing Shown (Outswing Similar)

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

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PRODUCT:
PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS				
		BY	LFS	JK	TRJ	FBC
5	8/21/23	DATE	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			
1	4/04/16		UPDATE TO 5th ED. (2014)	FBC		

DATE: 10/28/08

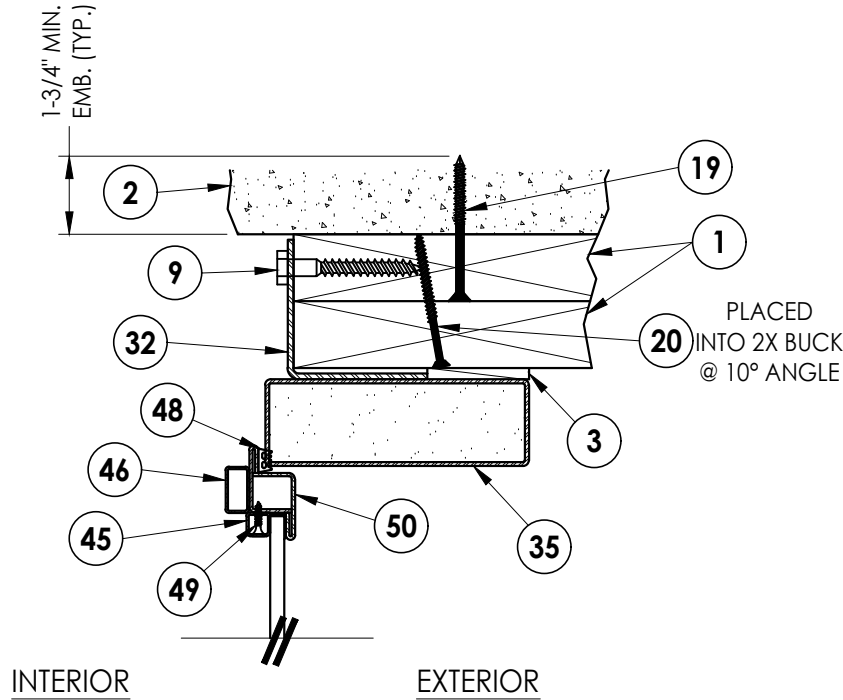
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DWG. BY: AL

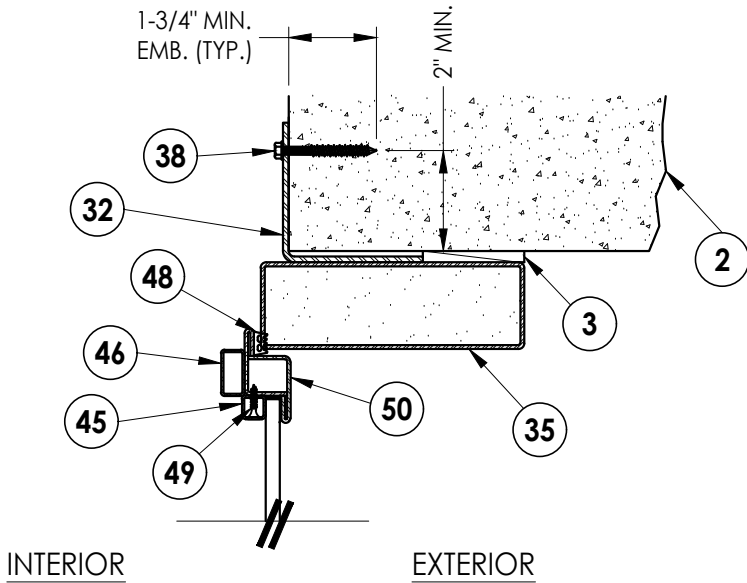
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DRAWING NO.:
FL-11453.4

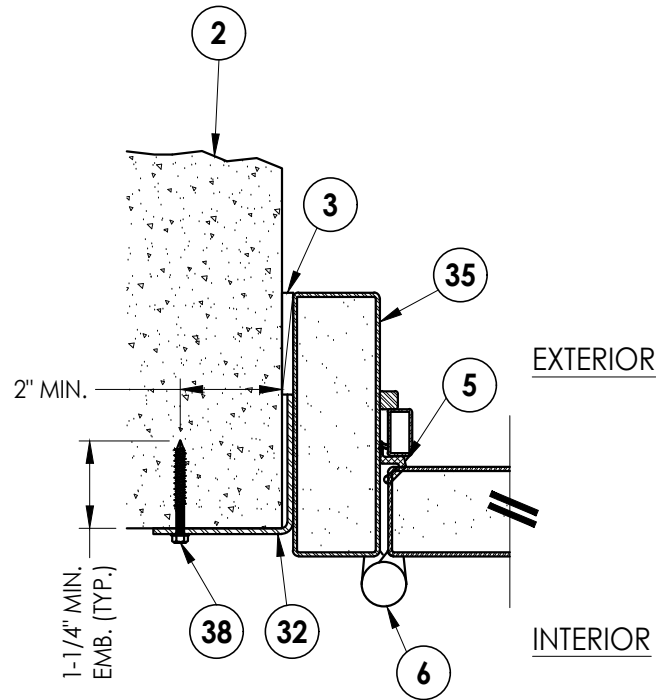
SHEET 4 OF 11



1 **VERTICAL CROSS SECTION**
5 Inswing Shown (Outswing Similar)



2 **VERTICAL CROSS SECTION**
5 Direct to masonry
Inswing Shown (Outswing Similar)



3 **HORIZONTAL CROSS SECTION**
5 Direct to masonry
Inswing Shown (Outswing Similar)

DATE: 10/28/08

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:
FL-11453.4

SHEET 5 OF 11

PRODUCT:

PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:

HORIZONTAL & VERTICAL
CROSS SECTIONS

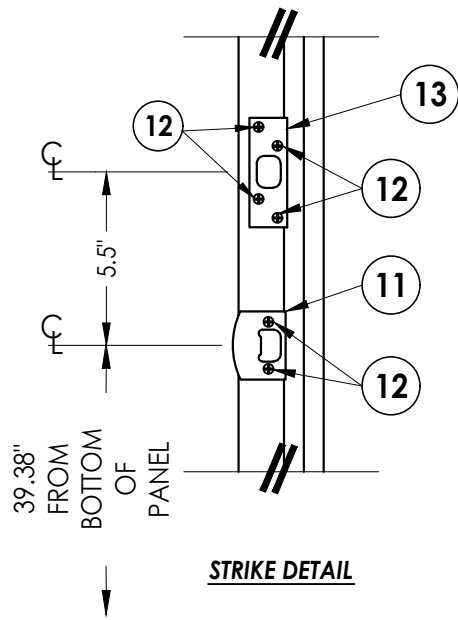
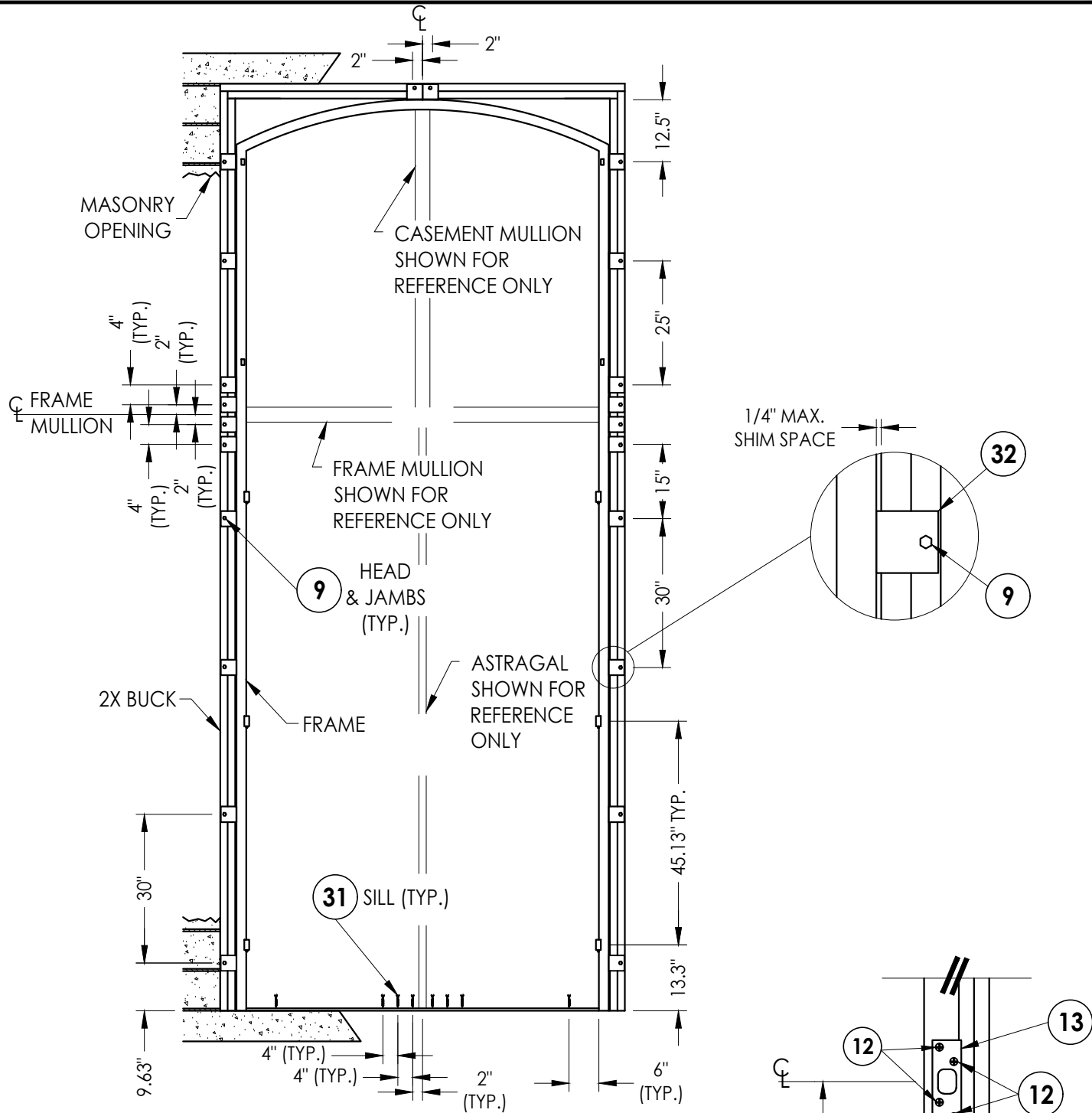
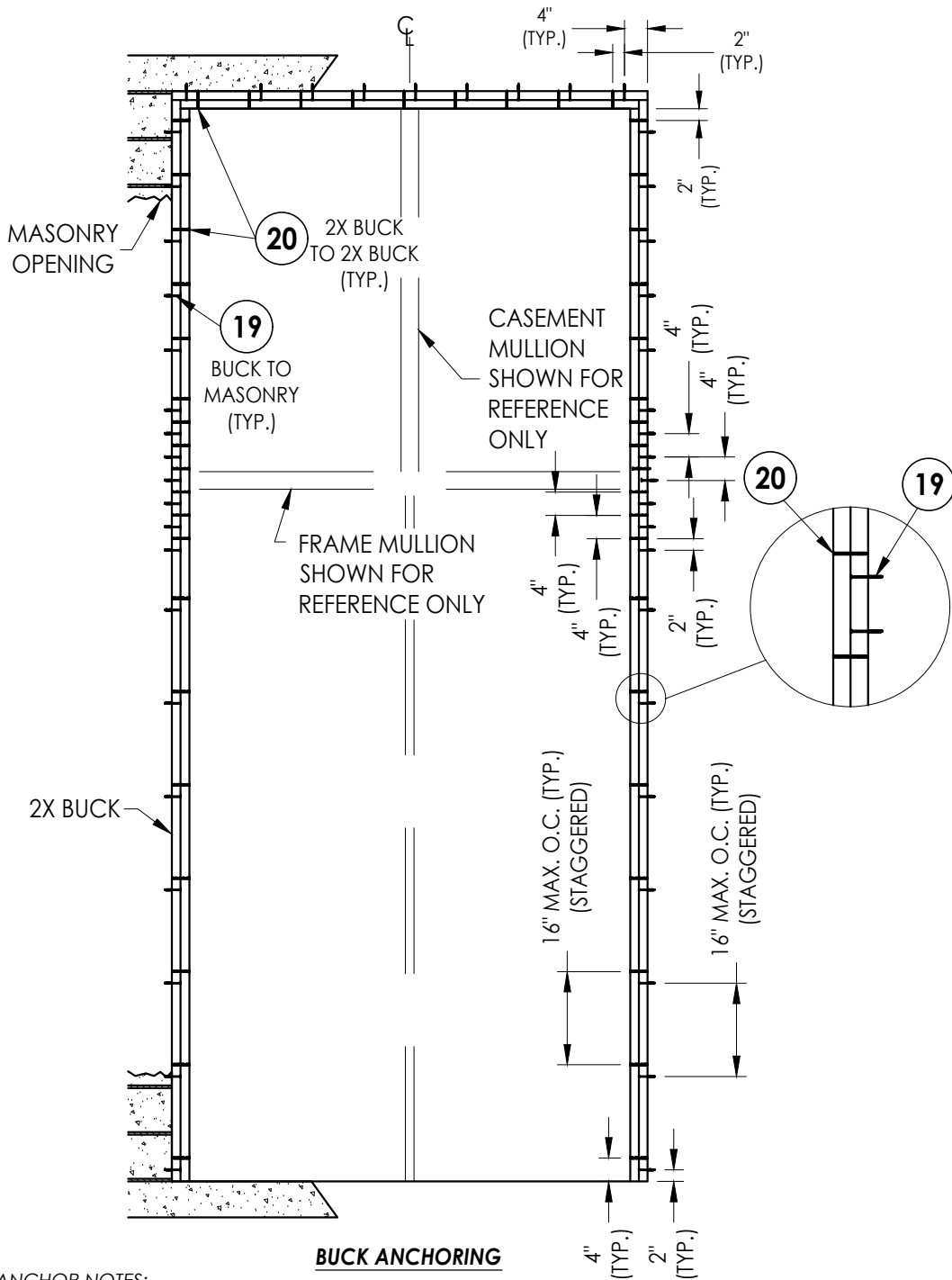
Documents Prepared By:

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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/SILL)	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-3/4" (SILL)	1"	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.

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P.E. No. 43409

PRODUCT:

PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING

DATE: 10/28/08

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:
FL-11453.4

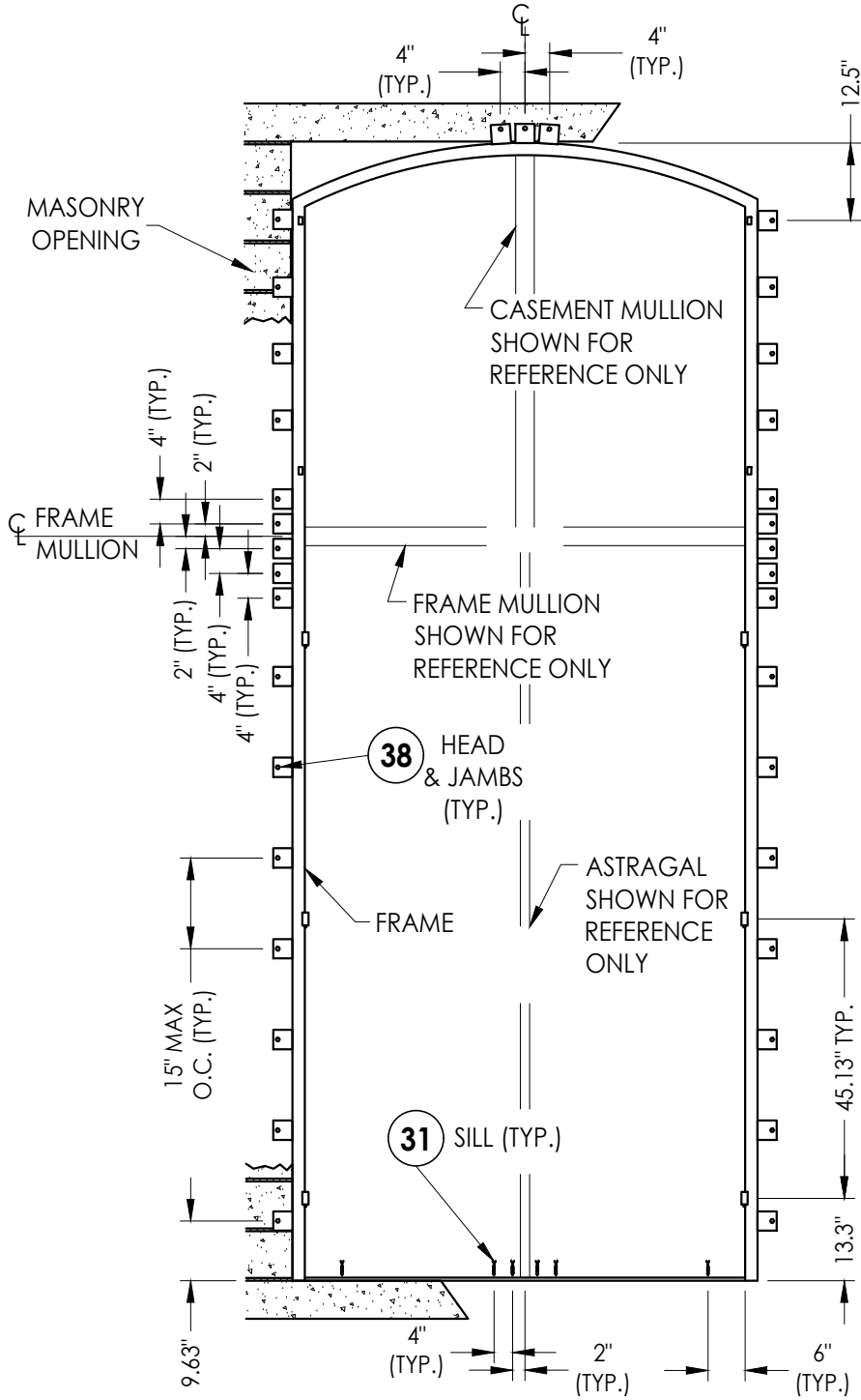
SHEET 6 OF 11

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- CONCRETE ANCHOR NOTES:**
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DeWALT ULTRACON®	1/4"	1-1/4" (JAMBS)	1"	6"
		1-3/4" (HEAD/SILL)	1"	4"



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FBPE Registry No. 9813

PRODUCT:
PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
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
1	4/04/16	UPDATE TO 5th ED. (2014) FBC
NO.	DATE	BY

DATE: 10/28/08

SCALE: N.T.S.

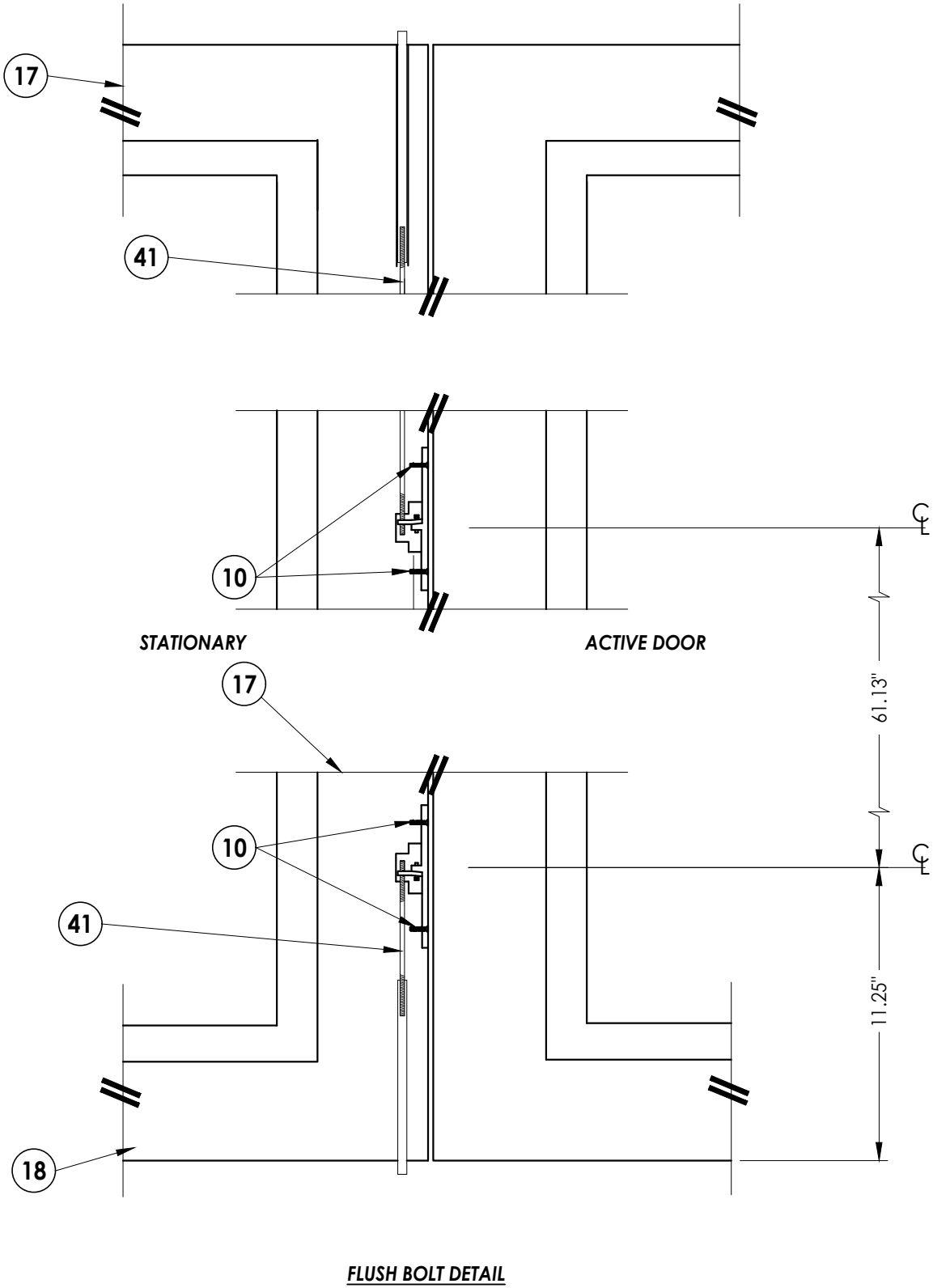
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CHK. BY: LFS

DRAWING NO.:

FL-11453.4

SHEET 7 OF 11



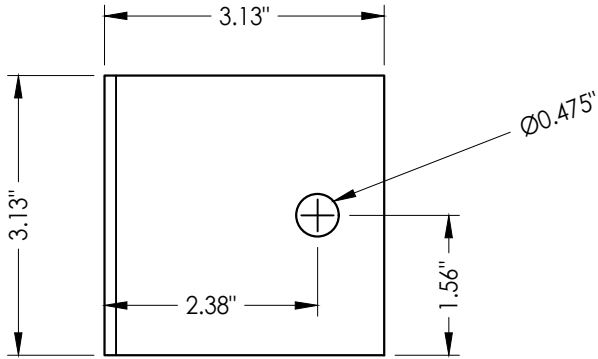
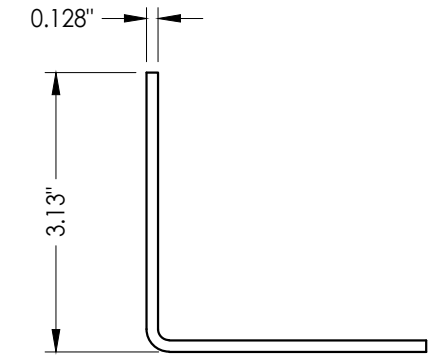
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SCALE:	N.T.S.
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CHK. BY:	LFS
DRAWING NO.:	FL-11453.4
SHEET	8 of 11

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

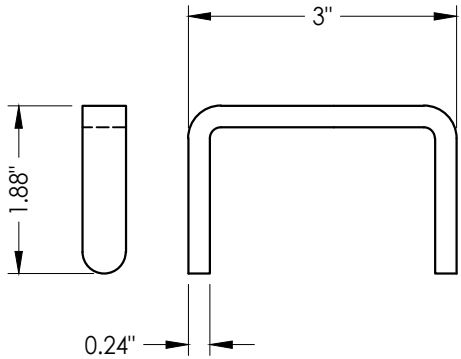
PRODUCT:	PRESTIGE IRON DOOR GLAZED STEEL DOOR
PART OR ASSEMBLY:	FLUSH BOLT DETAIL

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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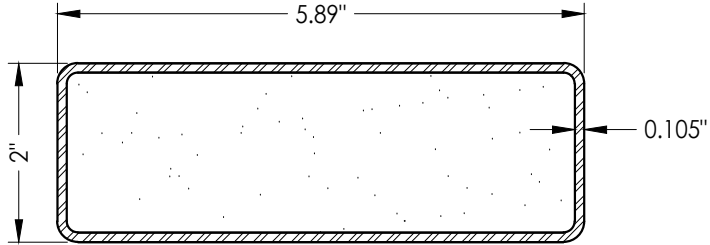
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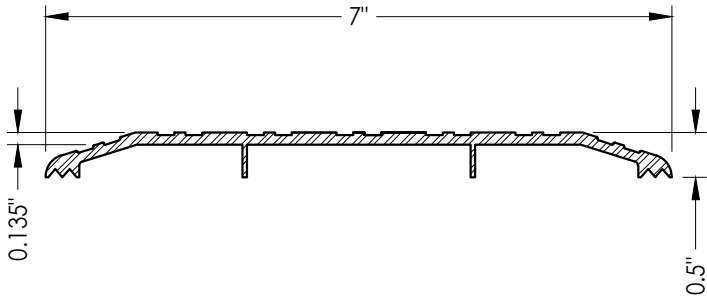
32 ANCHORING ANGLE



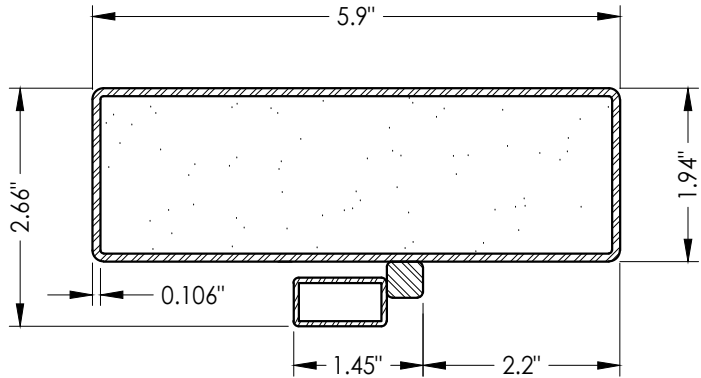
34 LATCH KEEPER



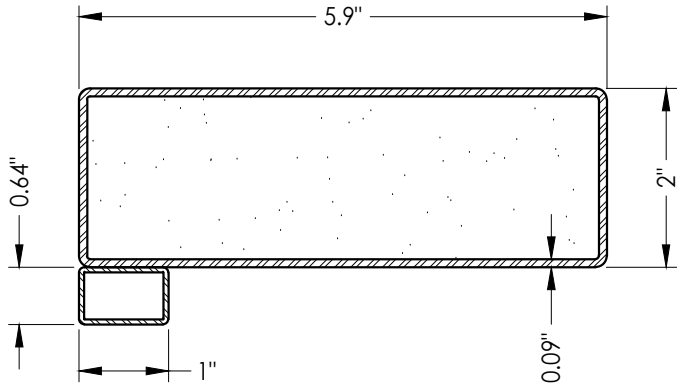
43 MAIN FRAME



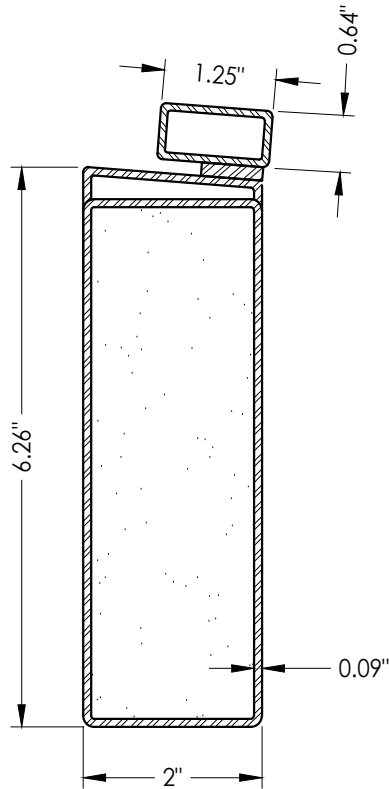
30 ADA THRESHOLD



35 DOOR FRAME
Foam filled



17 TOP RAIL STILES
Foam filled



18 BOTTOM RAIL
Foam filled

NO.	DATE	REVISIONS
5	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
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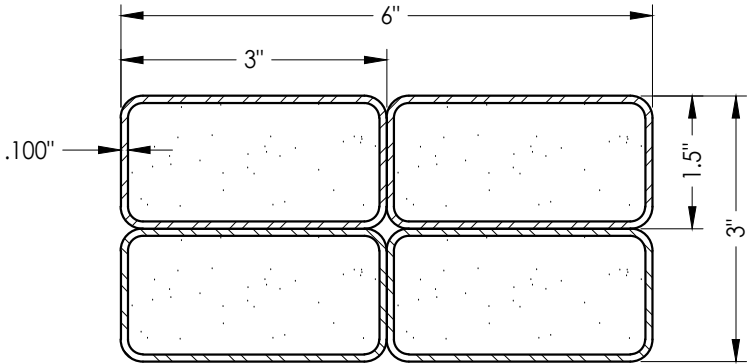
SHEET 9 OF 11

PRODUCT:
PRESTIGE IRON DOOR
GLAZED STEEL DOOR

PART OR ASSEMBLY:
COMPONENTS

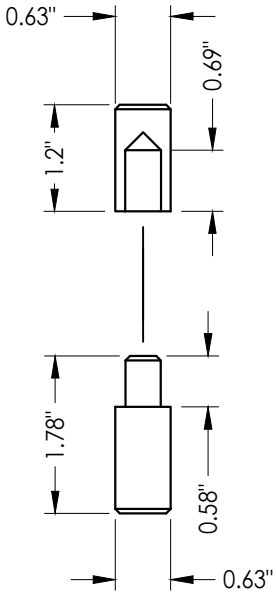
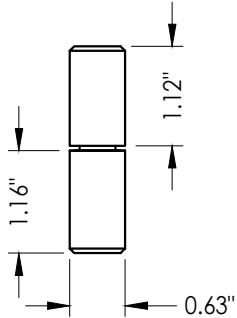
Documents Prepared By:
Lyndon F. Schmidt
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P.O. Box 230, Valrico, FL 33595
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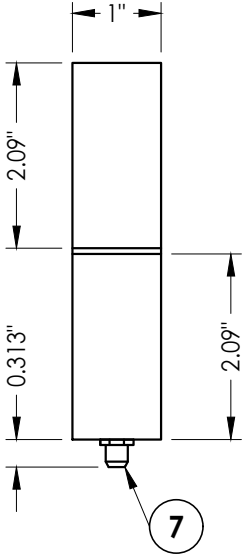


42 **MULLION FRAME**

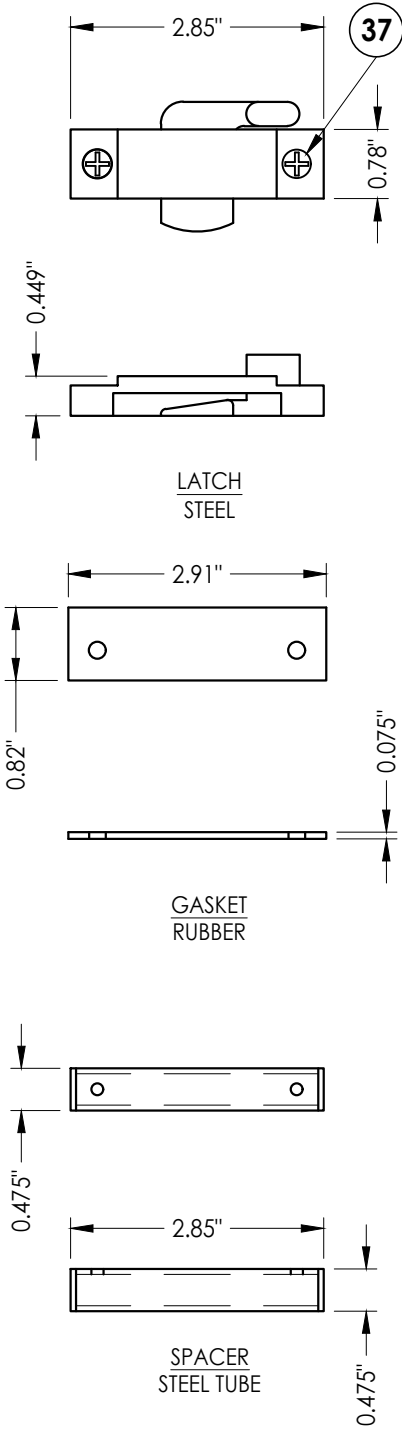
27 **LITE FRAME**
Hinge assembly



52 **HINGR ASSEMBLY**



6 **DOOR HINGE**



33 **LATCH ASSEMBLY**

DATE:	10/28/08
SCALE:	N.T.S.
DWG. BY:	AL
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DRAWING NO.:	FL-11453.4
SHEET	10 of 11

NO.	DATE	REVISIONS
5	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
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1	4/04/16	UPDATE TO 5th ED. (2014) FBC LFS
		BY

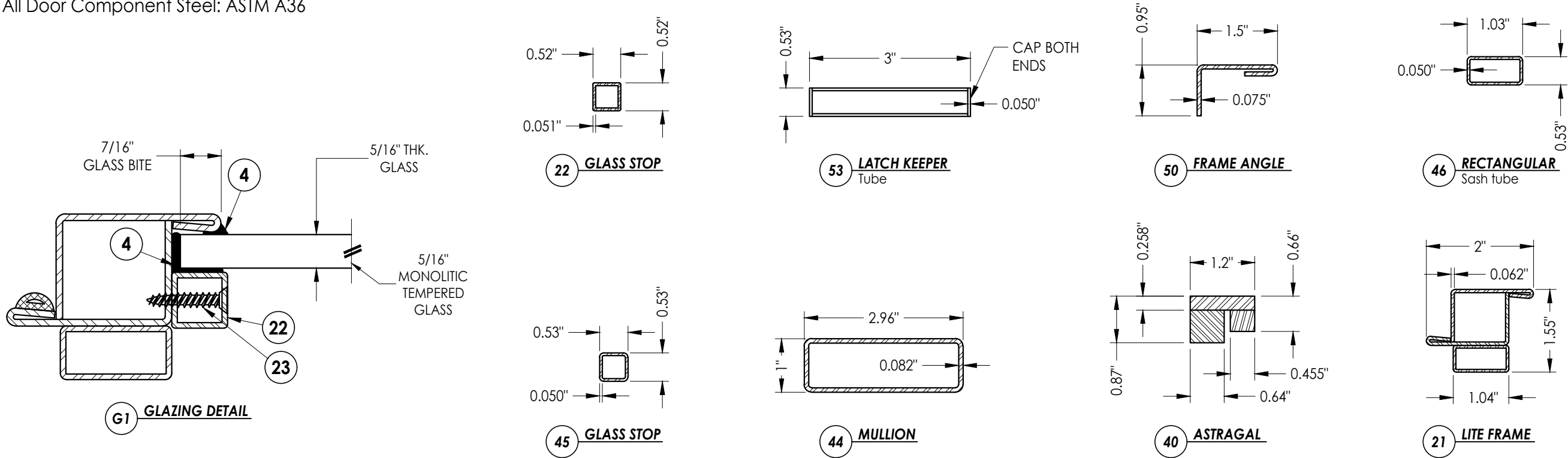
PRODUCT:	PRESTIGE IRON DOOR GLAZED STEEL DOOR
PART OR ASSEMBLY:	COMPONENTS

Documents Prepared By:	Lyndon F. Schmidt P.E. No. 43409
	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813

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BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
1	2X BUCK SG >= 0.55	WOOD	27	LITE FRAME HINGE ASSEMBLY	STEEL
2	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	30	ADA THRESHOLD	ALUMINUM
3	1/4" MAX. SHIM SPACE	-	31	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
4	STRUCTURAL GLAZING COMPOUND (GE SILICONE 1*)	SILICONE	32	ANCHORING ANGLE	STEEL
5	WEATHERSTRIP	FOAM	33	LATCH ASSEMBLY	STEEL
6	DOOR HINGE	STEEL	34	LATCH KEEPER	STEEL
7	GREASE FITTING	STEEL	35	DOOR FRAME	STEEL
8	SASH SEAL	FOAM	36	POLYURETHANE FOAM	POLYURETHANE
9	3/8" X 3" H.H. LAG SCREW (2.75" MIN. EMBEDMENT)	STEEL	37	#6 X 3/4" PFH SMS	STEEL
10	#10-32 X 1/2" PFH M.S.	STEEL	38	1/4" X 2-1/4" HWH ITW CONCRETE SCREW	STEEL
11	LOCK STRIKE PLATE	STEEL	40	ASTRAGAL	STEEL
12	#10-24 X 1" PFH M.S.	STEEL	41	FLUSH BOLT ASSEMBLY: 0.424" DIA. BOLT	STEEL
13	DEAD BOLT STRIKE PLATE	STEEL	42	MULLION TUBE ASSEMBLY	STEEL
14	SEALANT	SILICONE	43	MAIN FRAME	STEEL
15	KWIKSET 200 SERIES PASSAGE LOCK	STEEL	44	MULLION	STEEL
16	KWIKSET 600 SERIES DEADBOLT	STEEL	45	GLASS STOP	STEEL
17	TOP RAIL/STILES	STEEL	46	RECTANGULAR SASH TUBE	STEEL
18	BOTTOM RAIL	STEEL	48	WEATHERSTRIP	FOAM
19	1/4" X 3-1/4" ITW PFH CONCRETE SCREW	STEEL	49	#6 X 3/4" PFH SMS	STEEL
20	#10 X 3" PFH WOOD SCREW	STEEL	50	FRAME ANGLE	STEEL
21	LITE FRAME	STEEL	52	HINGE ASSEMBLY	STEEL
22	GLASS STOP	STEEL	53	LATCH KEEPER	STEEL
23	#6 X 1" PFH SMS	STEEL	54	LATCH ASSEMBLY	STEEL
25	DOOR SWEEP (No. 315N BY PEMKO)	ALUMINUM	55	SILL ADAPTER	STEEL
26	#6 X 5/8" PFH SMS	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	
	LFS	FBC	(2023)
	LFS	FBC	(2020)
	TRJ	FBC	(2017)
	JK	ADDRESS	
	LFS	FBC	(2014)
	BY		
	REVISIONS		
	NO.	DATE	
5	8/21/23	UPDATE TO 8TH ED.	(2023)
4	3/25/21	UPDATE TO 7th. ED.	(2020)
3	5/30/19	UPDATE TO 6th. ED.	(2017)
2	8/24/16	REVISE ADDRESS	
1	4/04/16	UPDATE TO 5th ED.	(2014)
DATE: 10/28/08			
SCALE: N.T.S.			
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-11453.4			
SHEET 11 OF 11			