



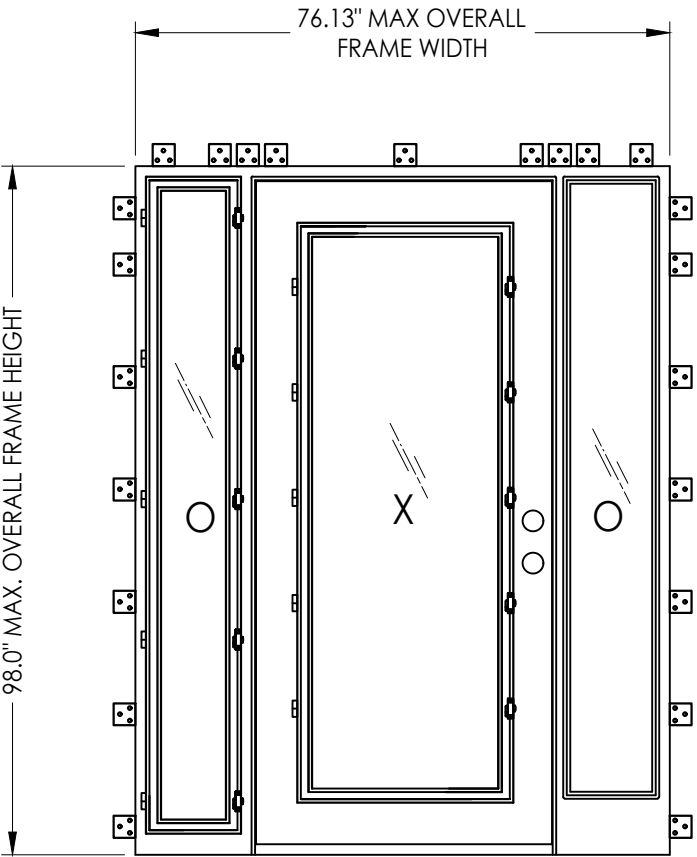
4075 Buford Highway, Suite E
Duluth, GA 30096

ARCHITECTURAL GLAZED STEEL
SINGLE DOOR
w/ SIDELITES
INSWING / OUTSWING
"NON-IMPACT"

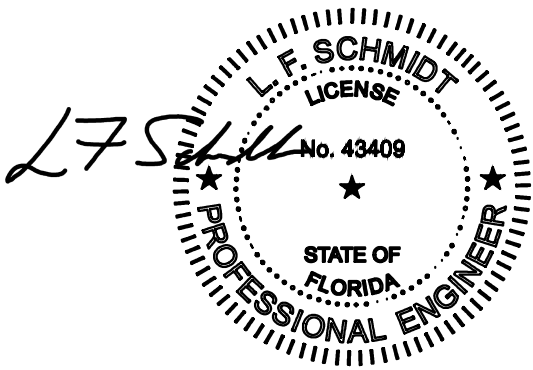
GENERAL NOTES

- 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 elevations, design pressures & general notes
2	Door panel details
3	Sidelite panel details
4	Horizontal cross sections
5	Vertical cross sections
6	Glazing detail & flush bolt detail
7	Components
8	Bill of materials & components



OVERALL FRAME DIMENSION	MAX. DOOR DAYLIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
76.13" x 98.0"	26.5" x 78.5"	G1	+75.0	-75.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.30 11:34:02 -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

PRODUCT:
ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURE & GENERAL NOTES

48/30/23
8/30/23

UPDATE TO 8TH ED. (2023)

FBC

LFS

38/06/20
8/06/20

UPDATE TO 7TH ED. (2020)

FBC

LFS

29/29/17
9/29/17

UPDATE TO 6TH ED. (2017)

FBC

LFS

13/03/15
3/03/15

UPDATE TO 5TH ED. (2014)

FBC

JK

NO.

DATE

BY

REVISIONS

DATE: 12/14/11

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

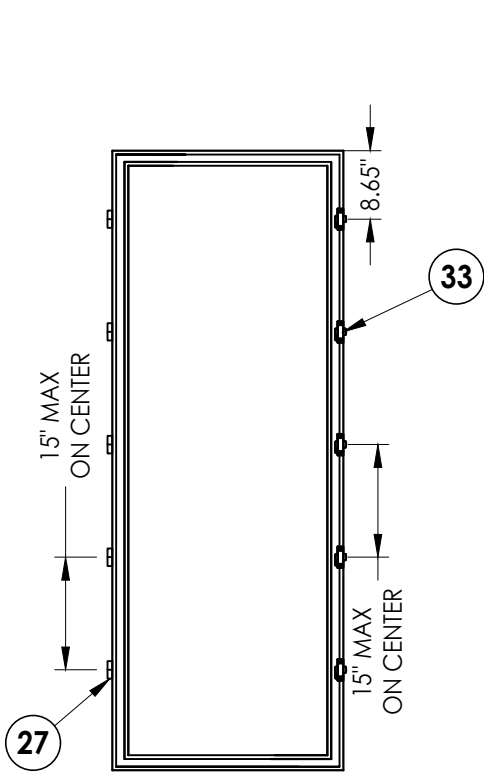
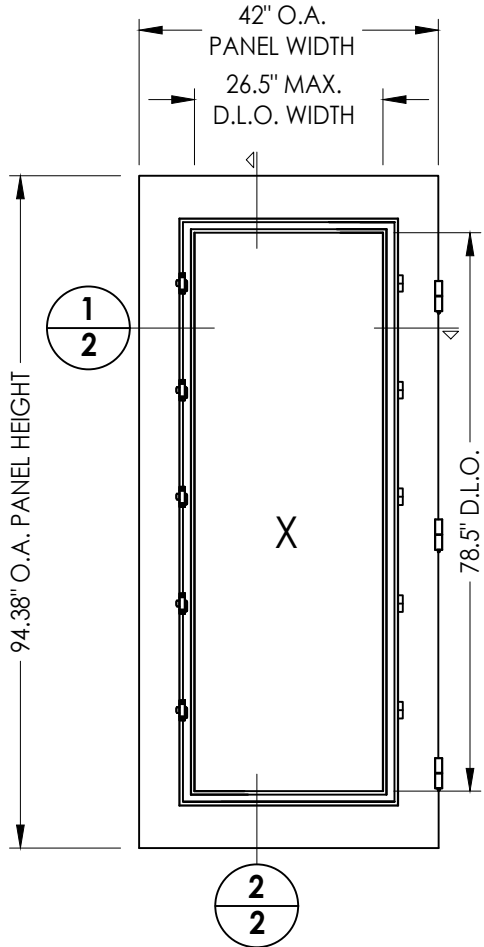
DRAWING NO.: FL-15044.5

SHEET 1 OF 8

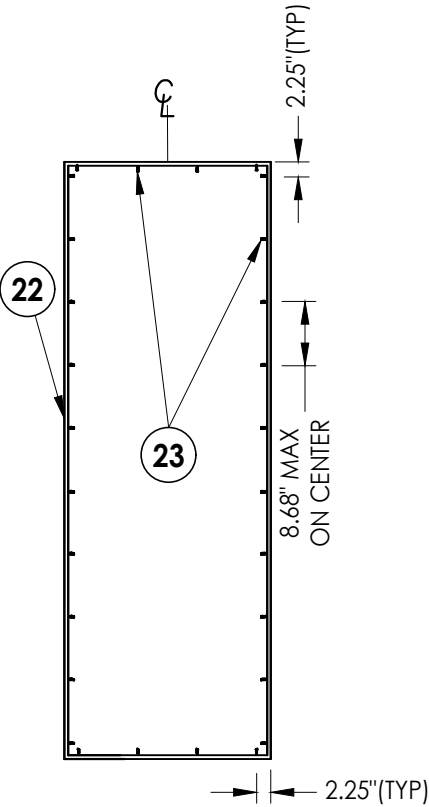
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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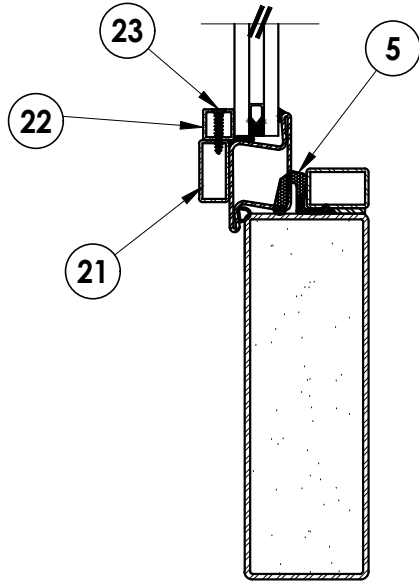
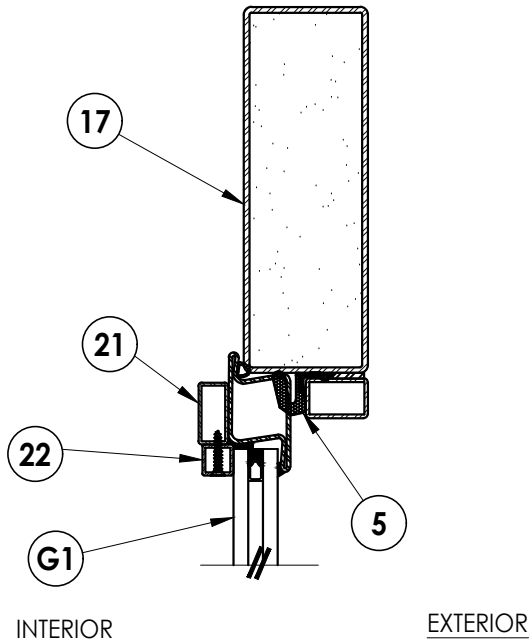
HARDWARE TABLE		
MANUFACTURER	MODEL	
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (780)
Design Hardware	Knob:	K2 Series
	Deadbolt:	D2 Series



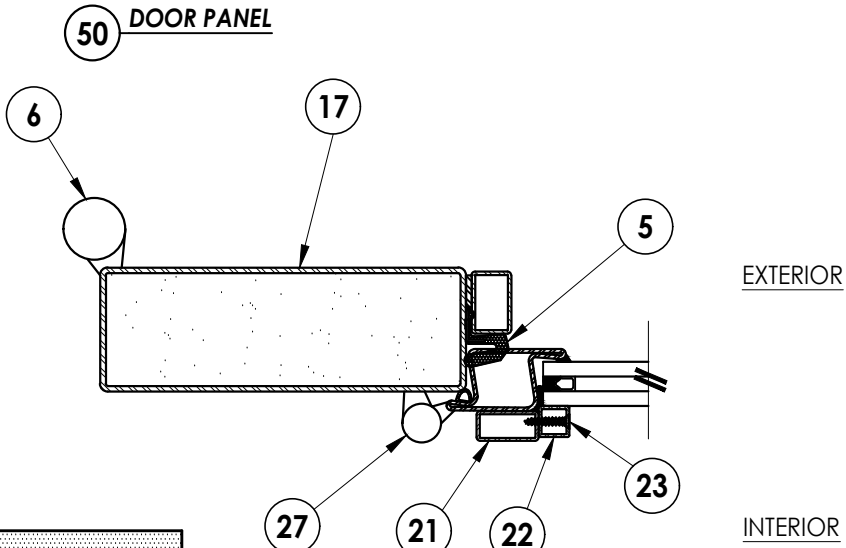
SASH LOCK AND HINGE LAYOUT



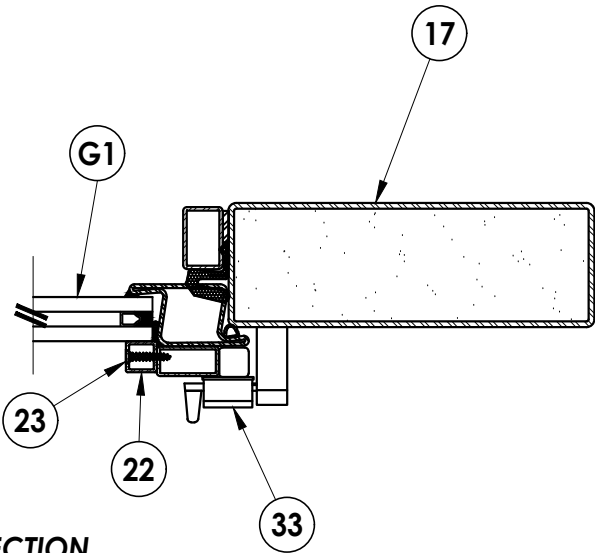
GLASS STOP ANCHORING



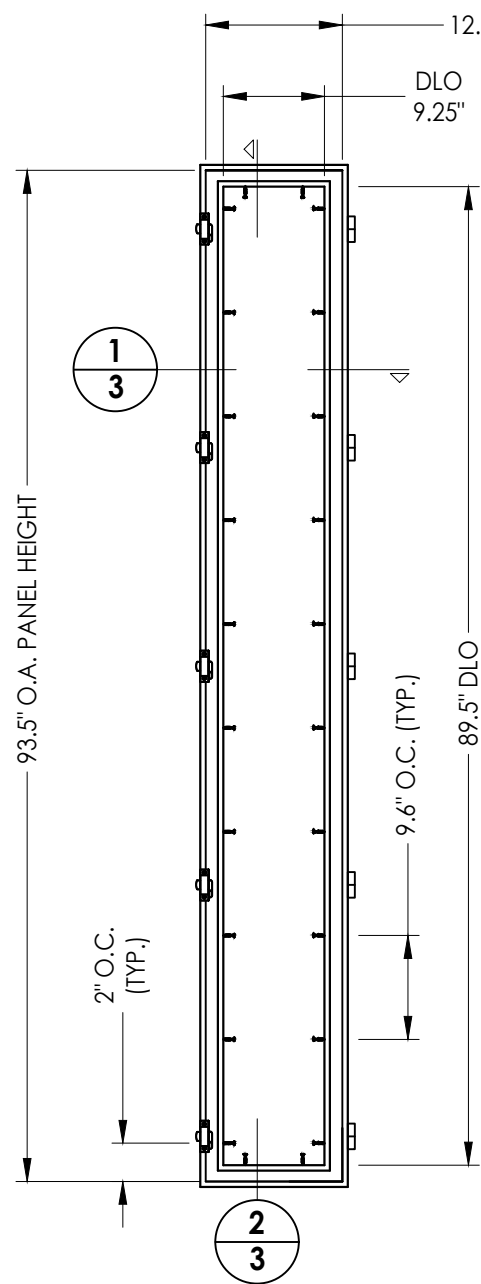
2/2 VERTICAL CROSS SECTION



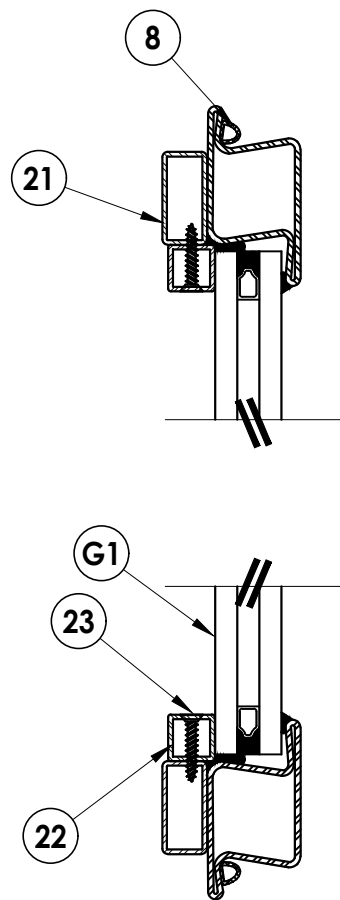
1/2 HORIZONTAL CROSS SECTION



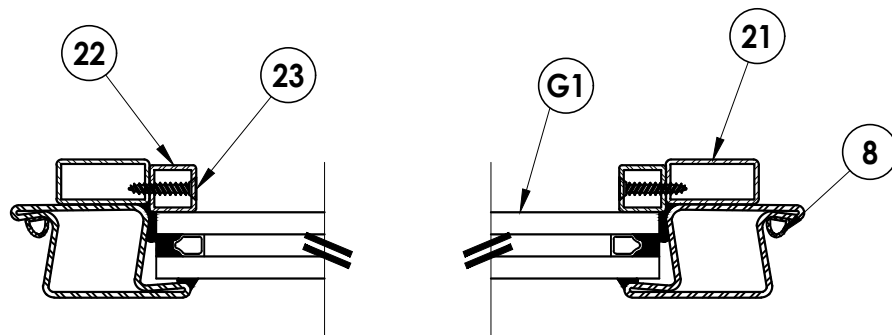
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ABBY IRON DOORS GLAZED STEEL DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC LFS
3	8/06/20	UPDATE TO 7TH ED. (2020)	FBC LFS
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC LFS
1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC JK
NO. DATE		REVISIONS	
DATE: 12/14/11			
SCALE: N.T.S.			
DWG. BY: KV			
CHK. BY: LFS			
DRAWING NO.: FL-15044.5			
SHEET 2 OF 8			



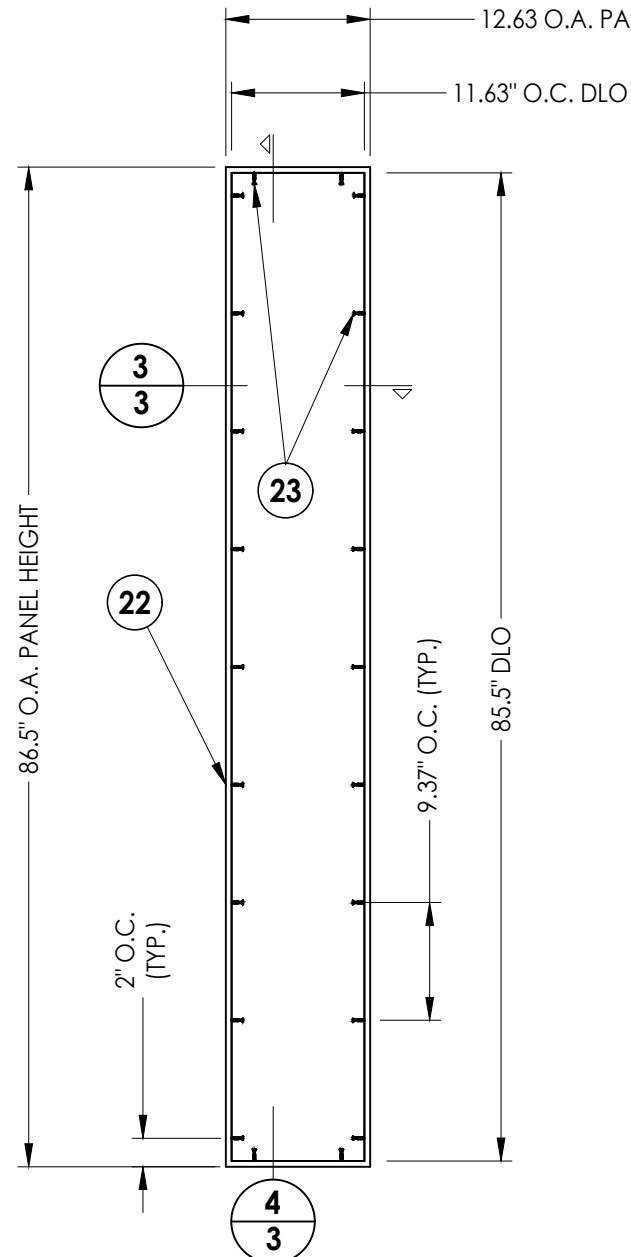
40 **SIDELITE SASH PANEL**
Operable



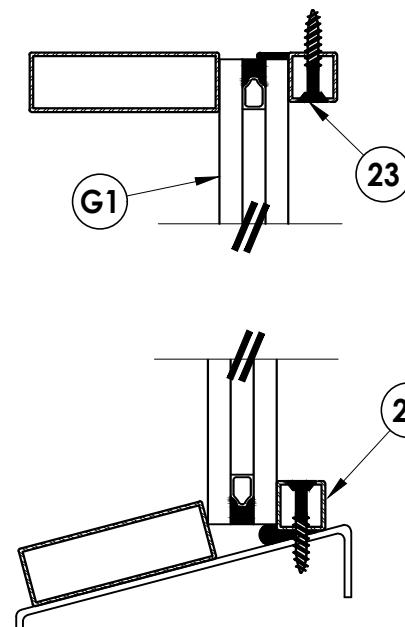
2 VERTICAL CROSS SECTION



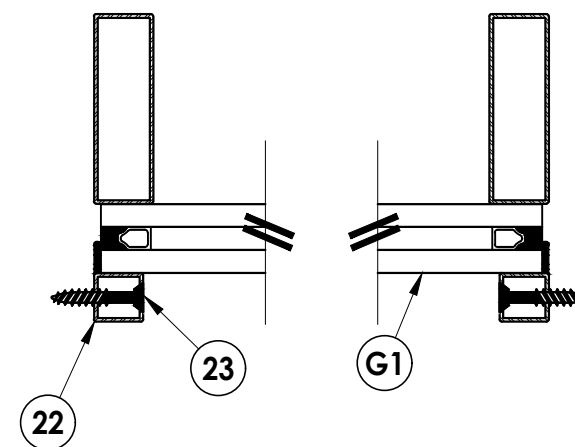
1 **HORIZONTAL CROSS SECTION**
3



40 **SIDELITE SASH PANEL**
FIXED



4 VERTICAL CROSS SECTION

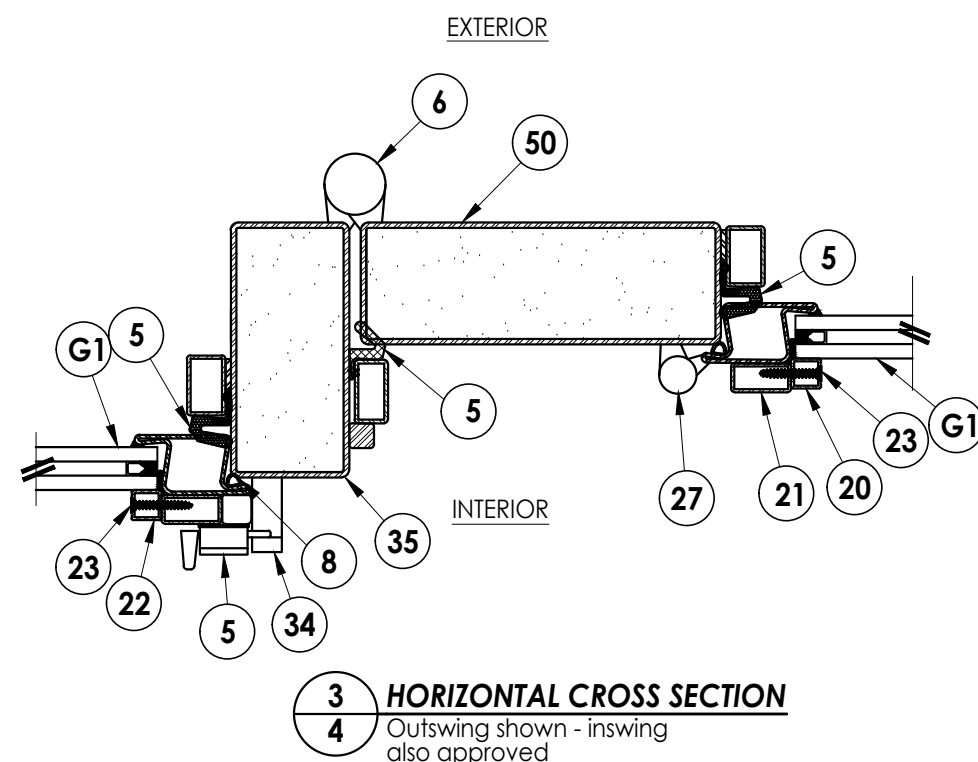
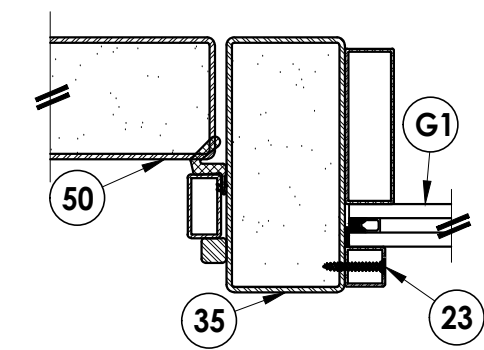
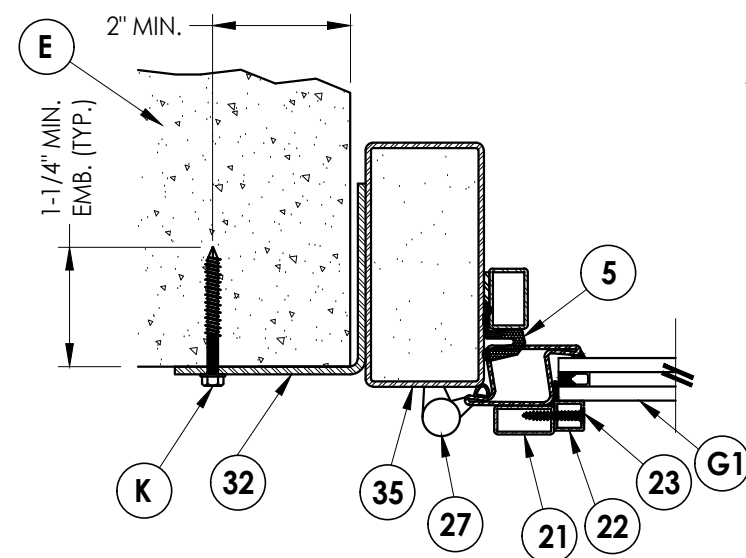
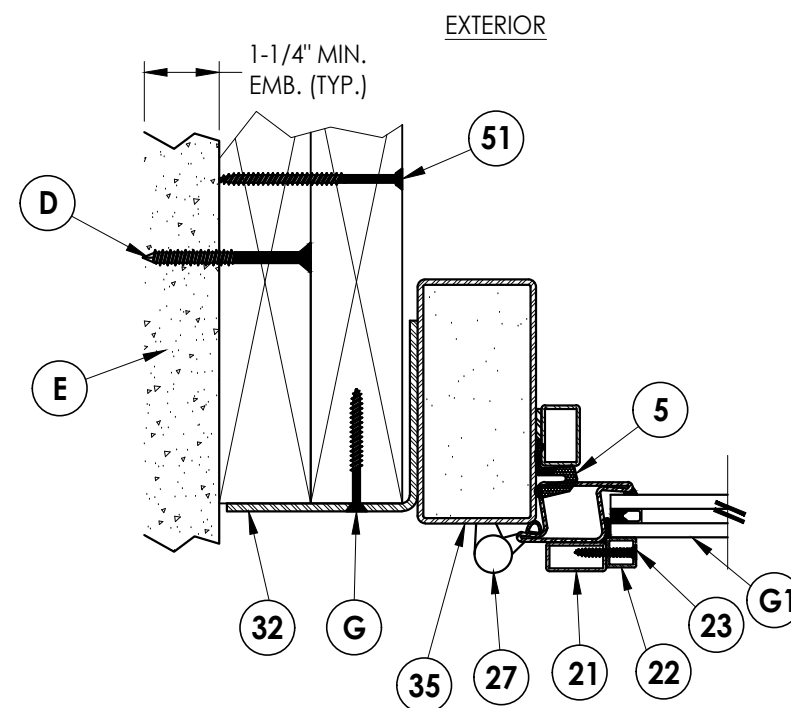
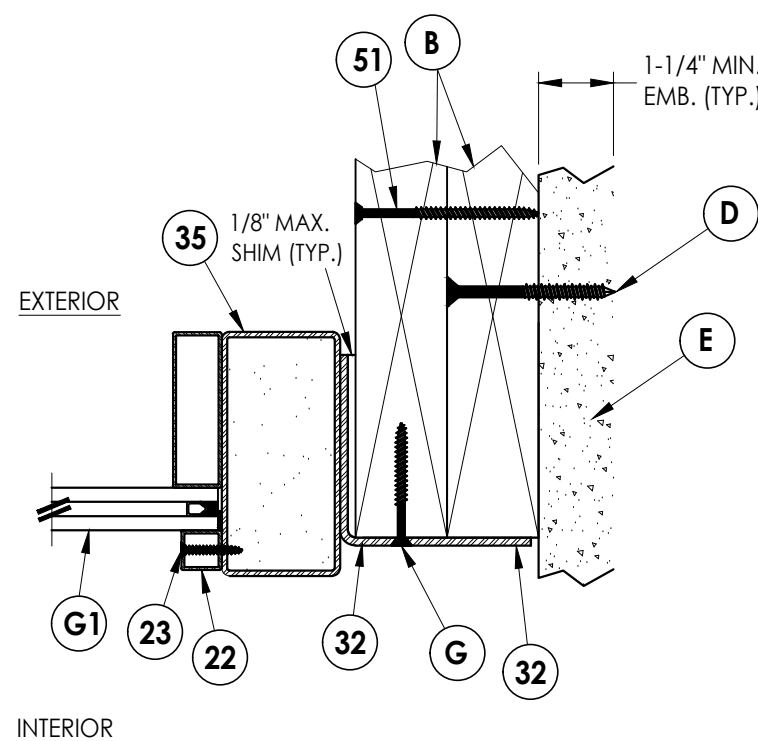
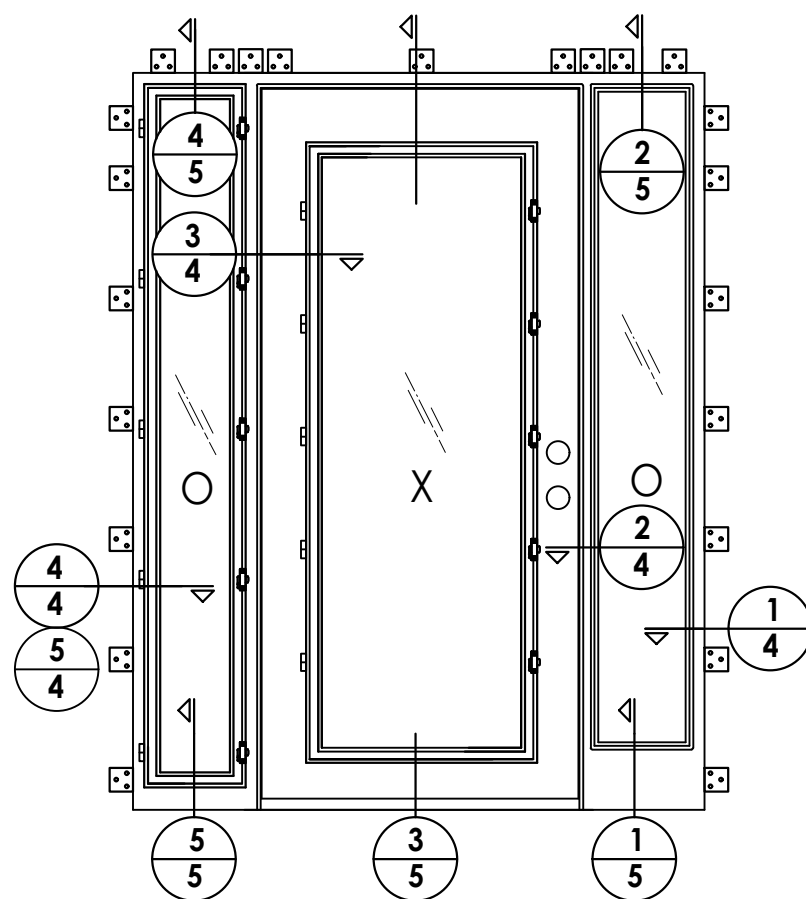


3 HORIZONTAL CROSS SECTION

[illegible]

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813



4	8/30/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/06/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
NO.	DATE	REVISIONS			
DATE: 12/14/11					
SCALE: N.T.S.					
DWG. BY: KV					
CHK. BY: LFS					
DRAWING NO.: FL-15044.5					
SHEET 4 OF 8					

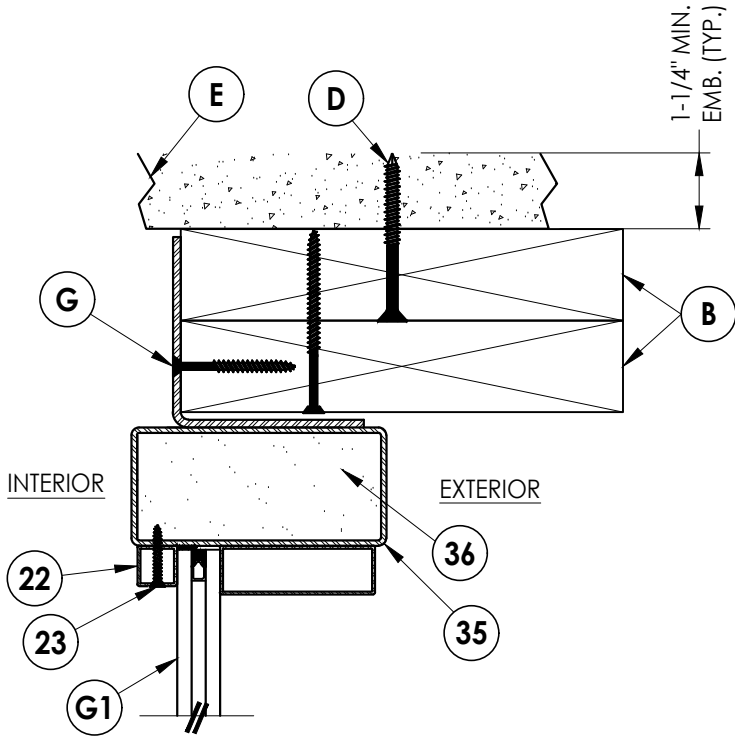
PRODUCT: ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:

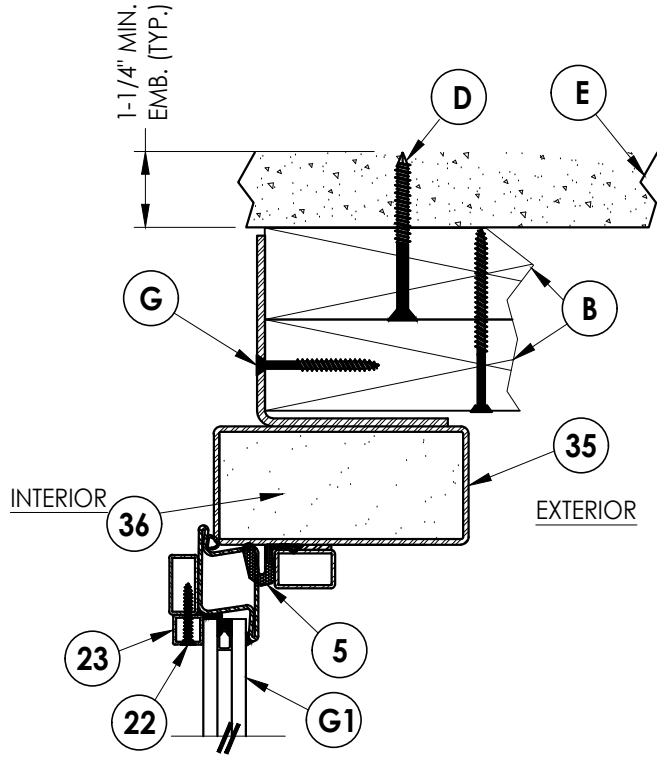
Documents Prepared By:
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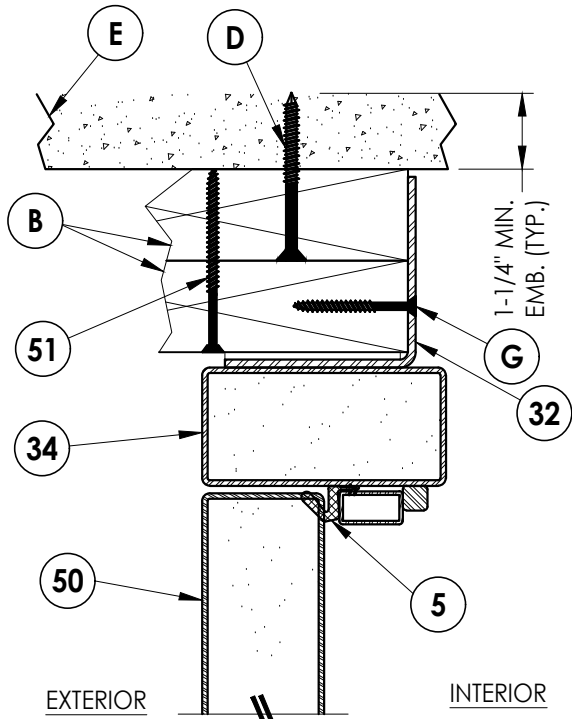
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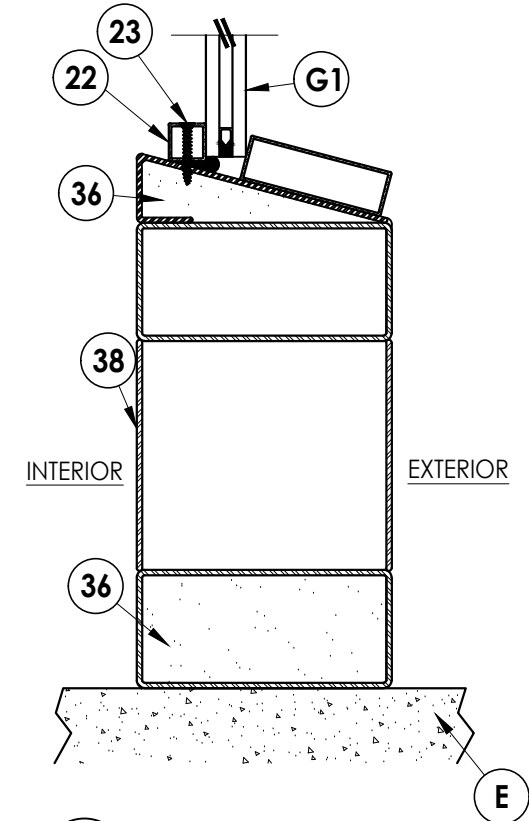
2 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved



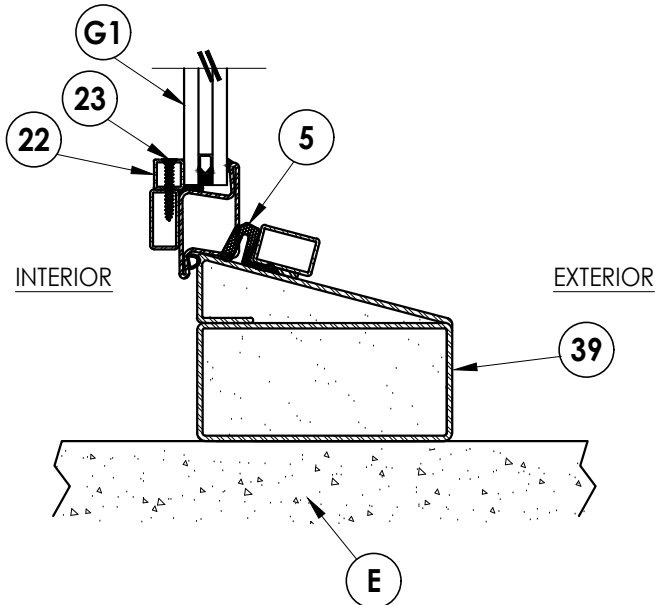
4 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved



3 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved



1 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved



5 VERTICAL CROSS SECTION
5 Outswing shown - inswing also approved

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		BY	JK	LFS	LFS
1	3/03/15	DATE	UPDATE TO 5TH ED. (2014)	FBC	
2	9/29/17		UPDATE TO 6TH ED. (2017)	FBC	
3	8/06/20		UPDATE TO 7TH ED. (2020)	FBC	
4	8/30/23		UPDATE TO 8TH ED. (2023)	FBC	

DATE: 12/14/11

SCALE: N.T.S.

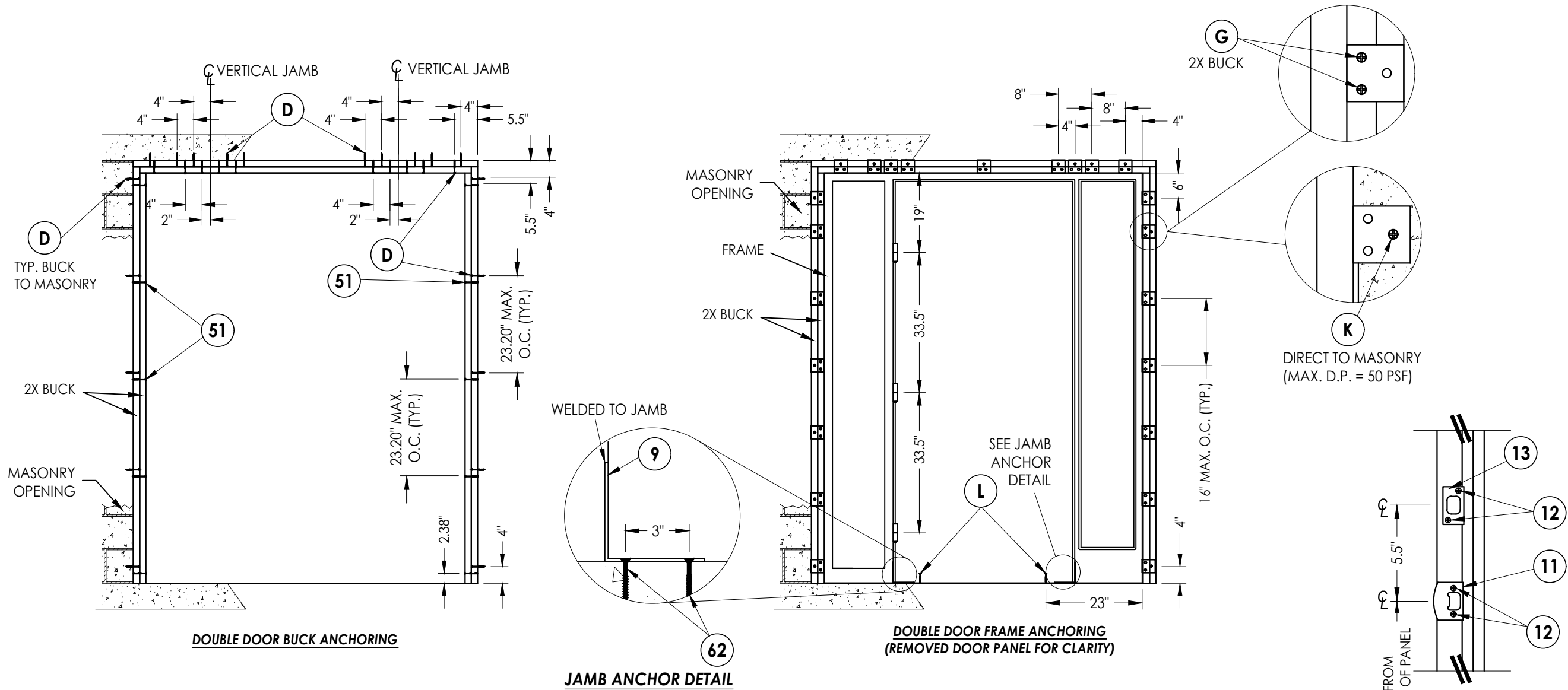
DWG. BY: KV

CHK. BY: LFS

DRAWING NO.:
FL-15044.5

SHEET 5 OF 8

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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®	3/16"	1-3/4"	2"	3"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	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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FBPE Registry No. 9813

PRODUCT: ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

NO.	DATE	REVISIONS
4	8/30/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/06/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/03/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 12/14/11

SCALE: N.T.S.

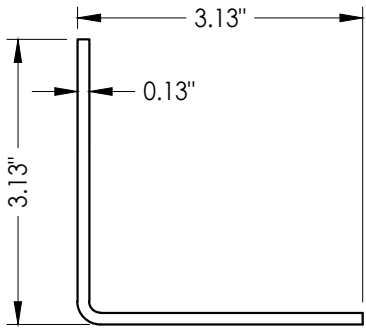
DWG. BY: KV

CHK. BY: LFS

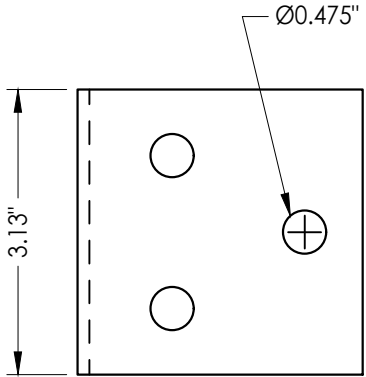
DRAWING NO.:

FL-15044.5

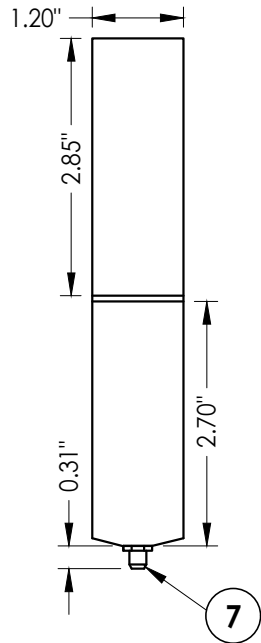
SHEET 6 OF 8



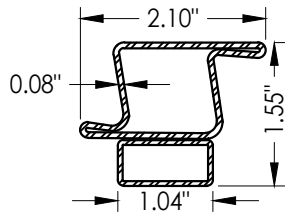
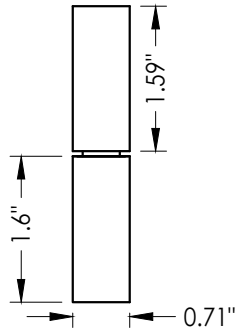
32 ANCHORING ANGLE



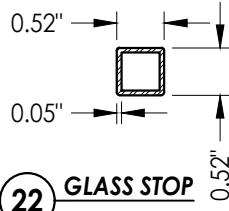
6 DOOR HINGE



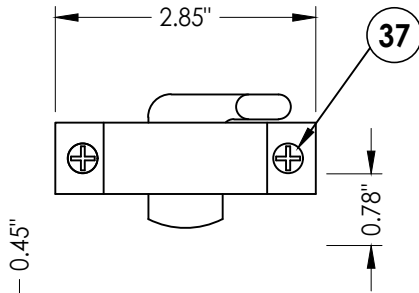
27 LITE FRAME
Hinge assembly



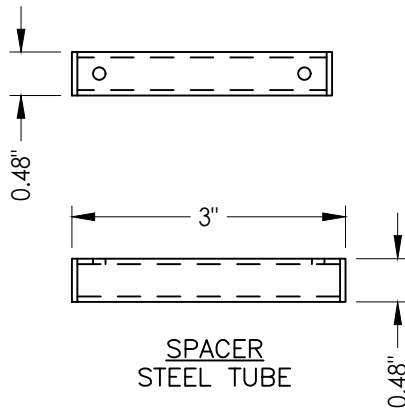
21 LITE FRAME



22 GLASS STOP

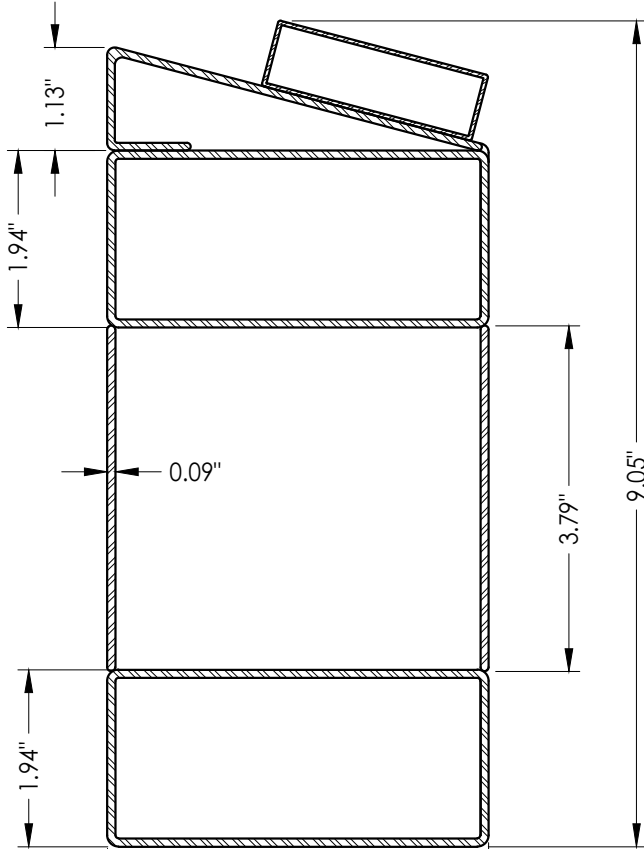


LATCH
STEEL

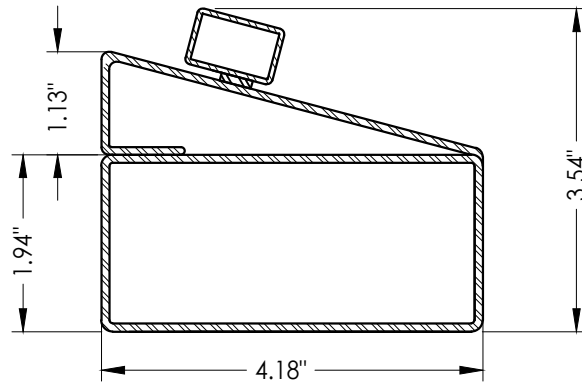


SPACER
STEEL TUBE

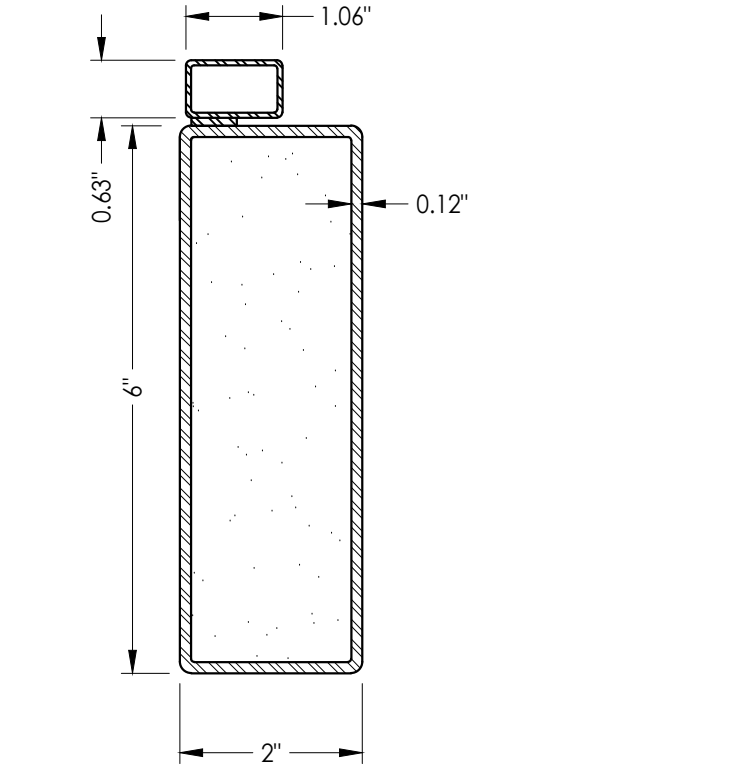
33 LATCH ASSEMBLY



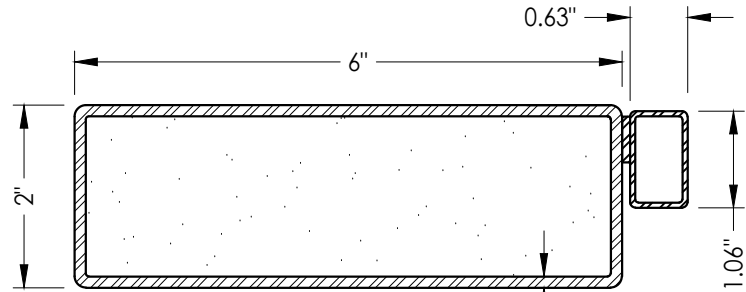
38 SIDELITE BOTTOM RAIL



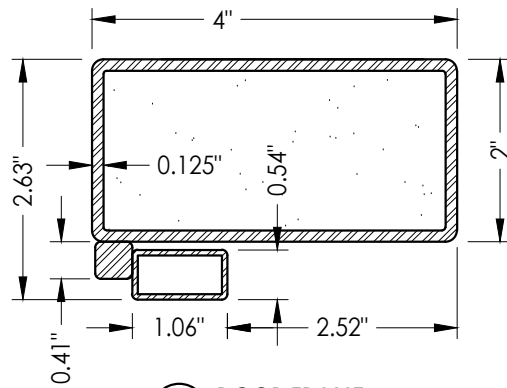
39 SIDELITE BOTTOM RAIL
Operable



18 TOP, BOTTOM RAIL
Foam filled



17 STILES
Foam filled



35 DOOR FRAME
Foam filled

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FBPE Registry No. 9813

PRODUCT:
ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
4	8/30/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/06/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/03/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 12/14/11

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

DRAWING NO.: FL-15044.5

SHEET 7 OF 8

