



4075 Buford Highway, Suite E
Duluth, GA 30096

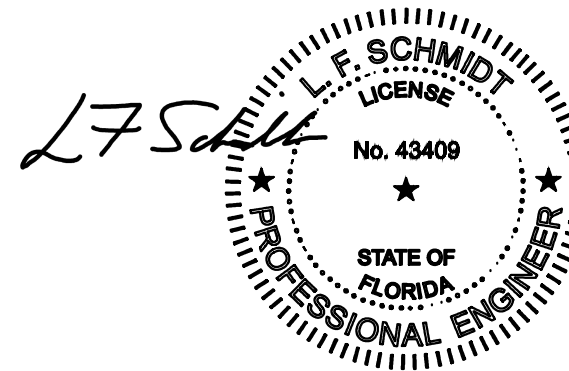
ARCHITECTURAL GLAZED STEEL DOUBLE DOOR RECTANGULAR OR RADIUS TOP INSWING / OUTSWING "IMPACT"

GENERAL NOTES

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- When used in areas requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 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.
- This product does not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
- All steel shall be protected as specified in Section 2222.6 of the FBC.

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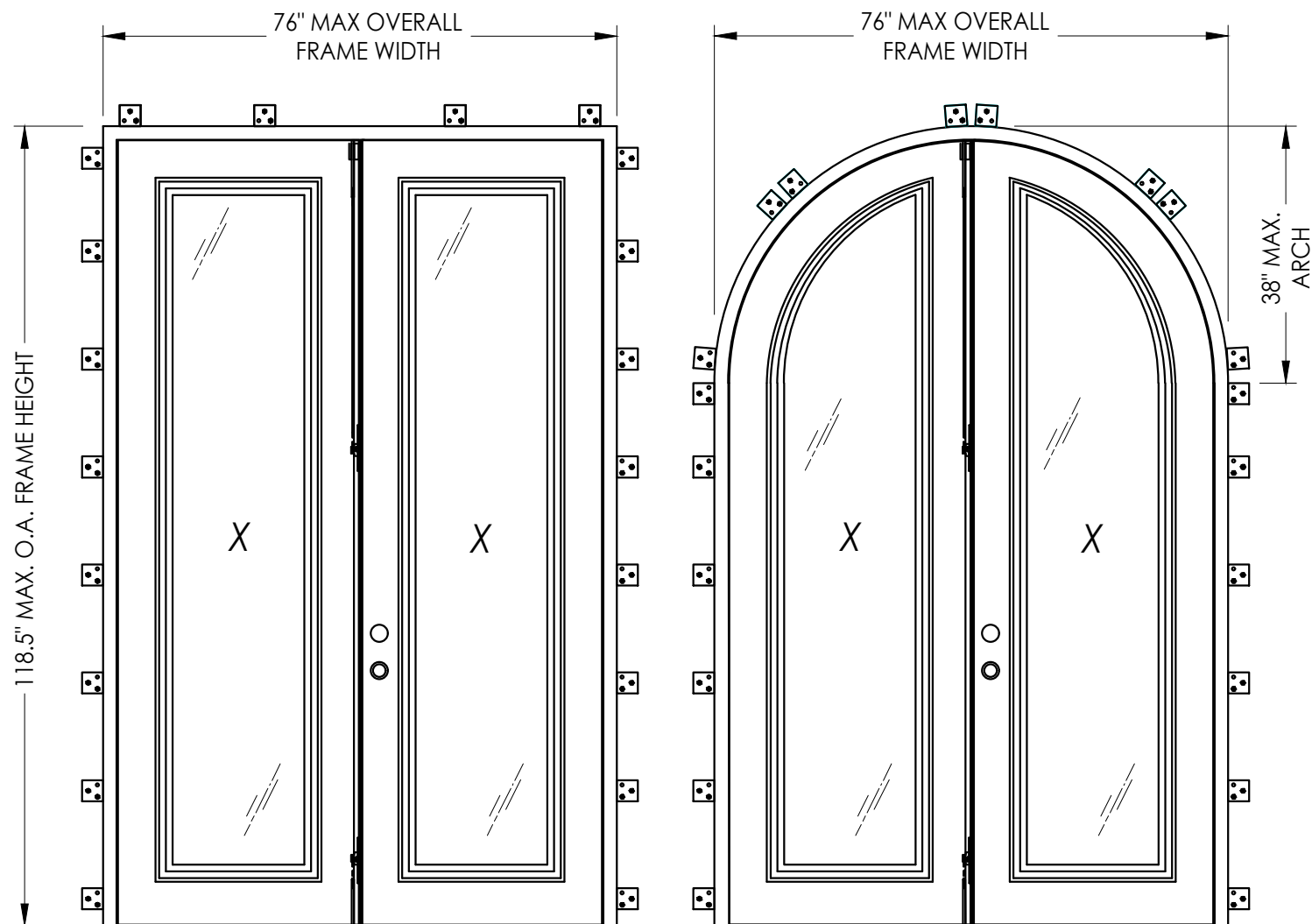
SHEET#	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Door panel details
3	Horizontal and vertical cross sections
4	Buck and frame anchoring (rectangular frame)
5	Buck and frame anchoring (arch top frame)
6	Bill of materials, glazing details and components



Digitally signed by Lyndon F Schmidt
Date: 2023.08.30 11:32:23 -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.

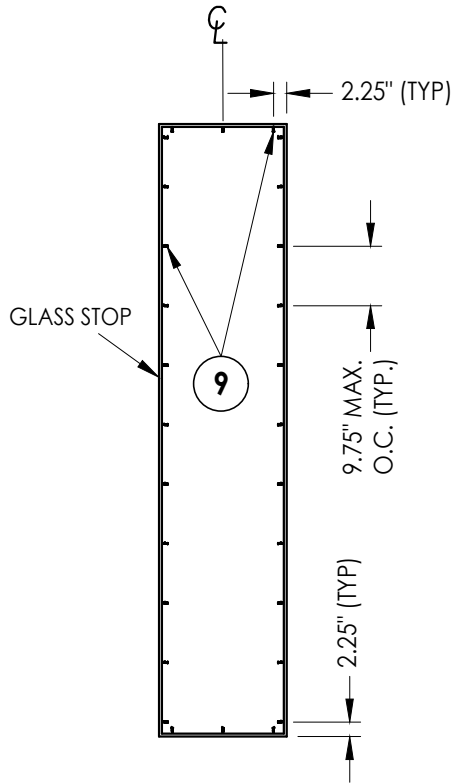
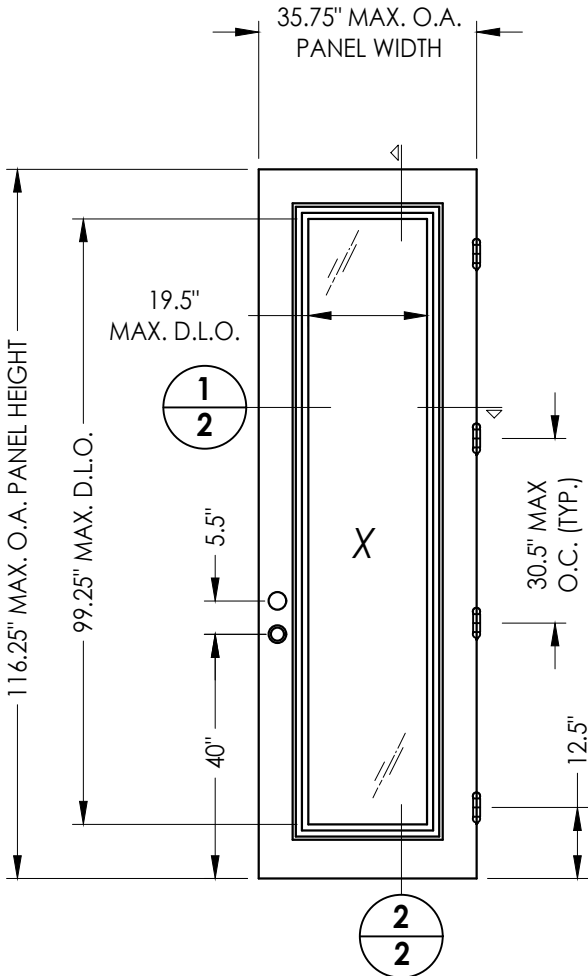
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
76.0" x 118.5"	19.5" x 99.25"	G1	+65.0	-65.0

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ABBY IRON DOORS GLAZED IRON DOOR				PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES			
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			BY			
					REVISIONS		
DATE: 4/21/14							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15044.9							
SHEET 1 OF 6							

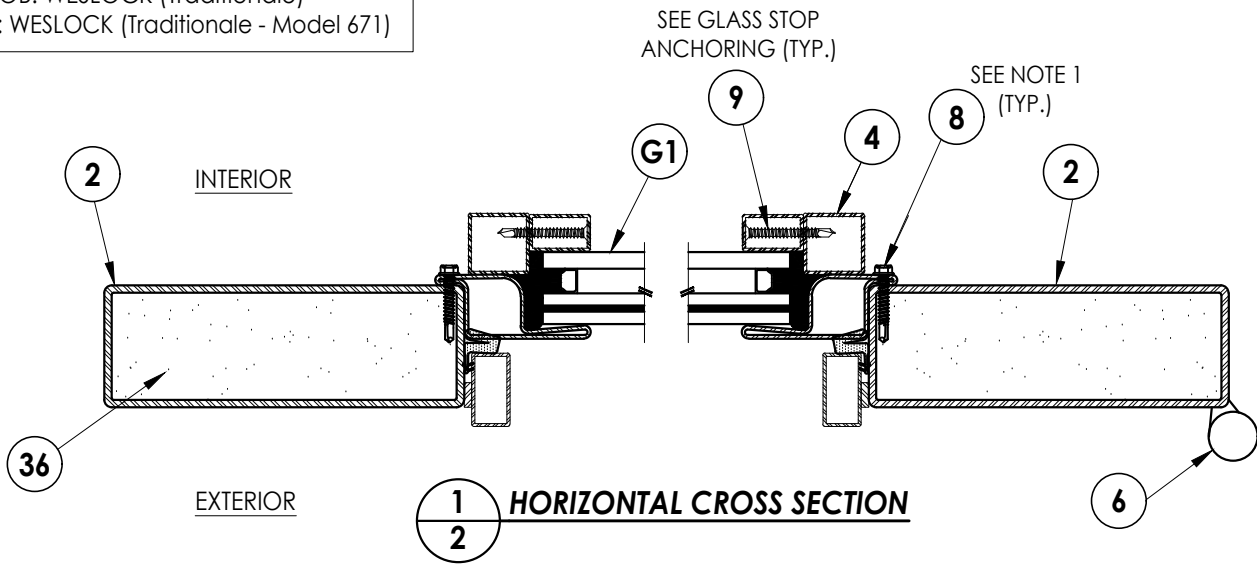
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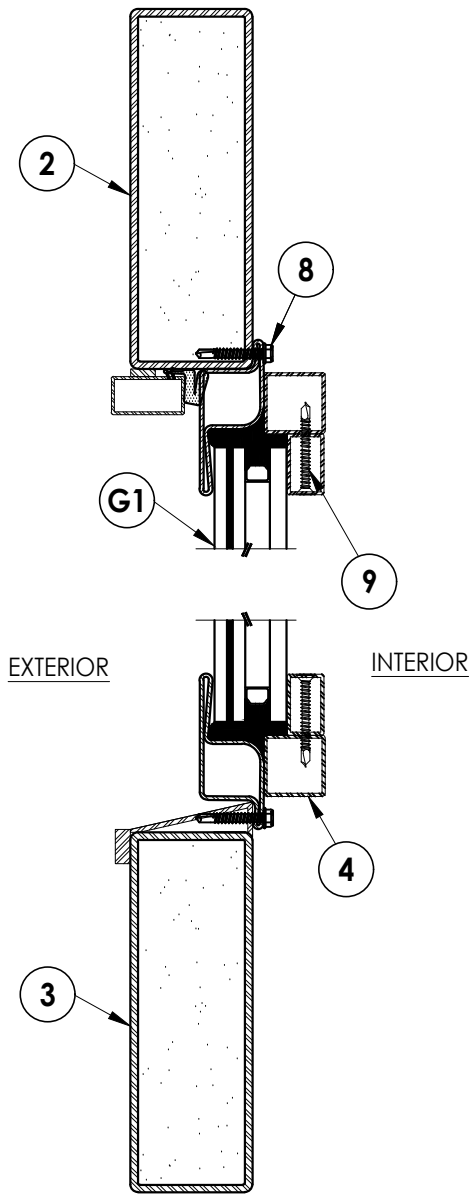
GLASS STOP ANCHORING

40 DOOR PANEL

DOOR HARDWARE
KNOB: WESLOCK (Traditionale)
DEADBOLT: WESLOCK (Traditionale - Model 671)



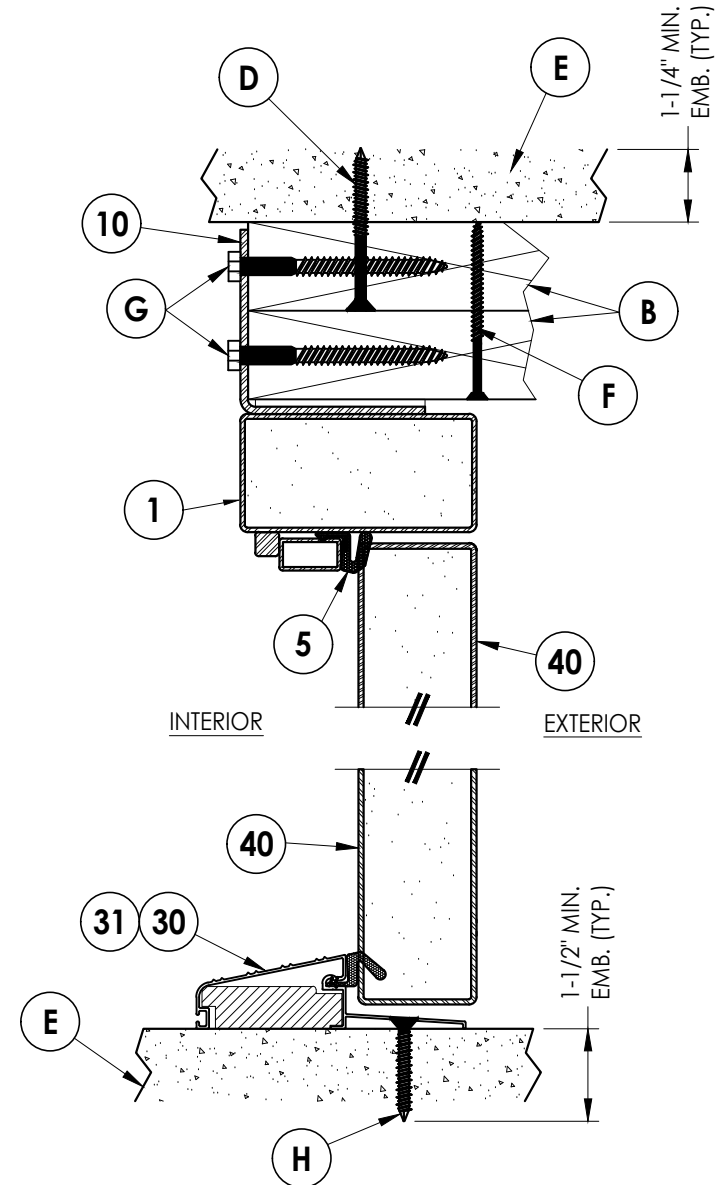
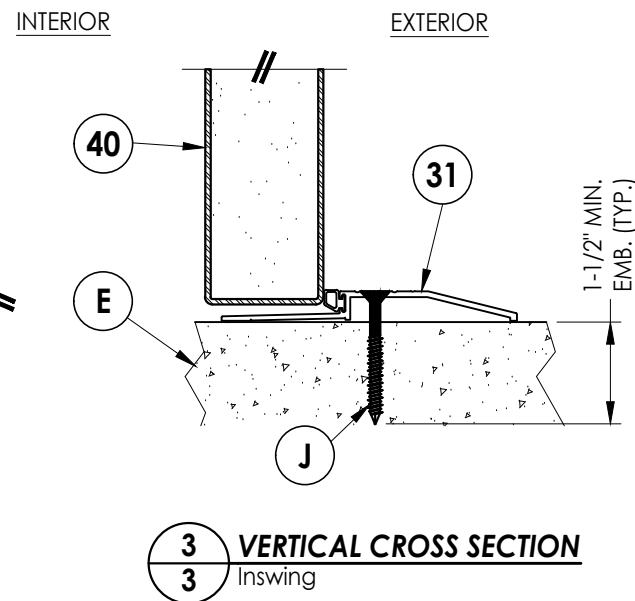
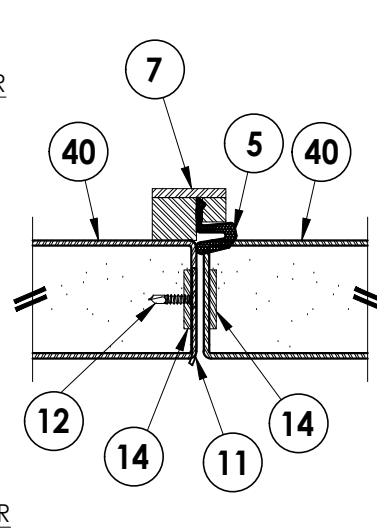
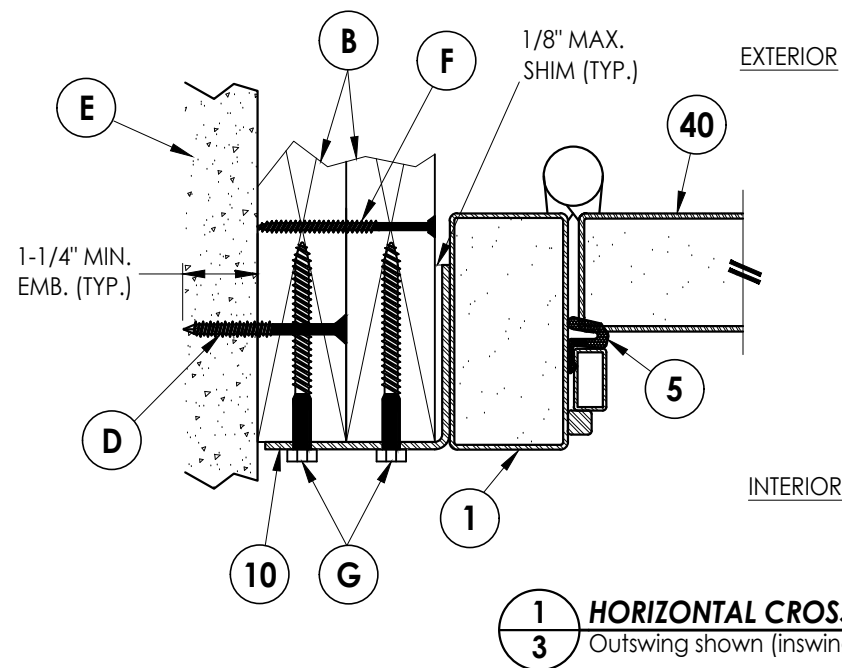
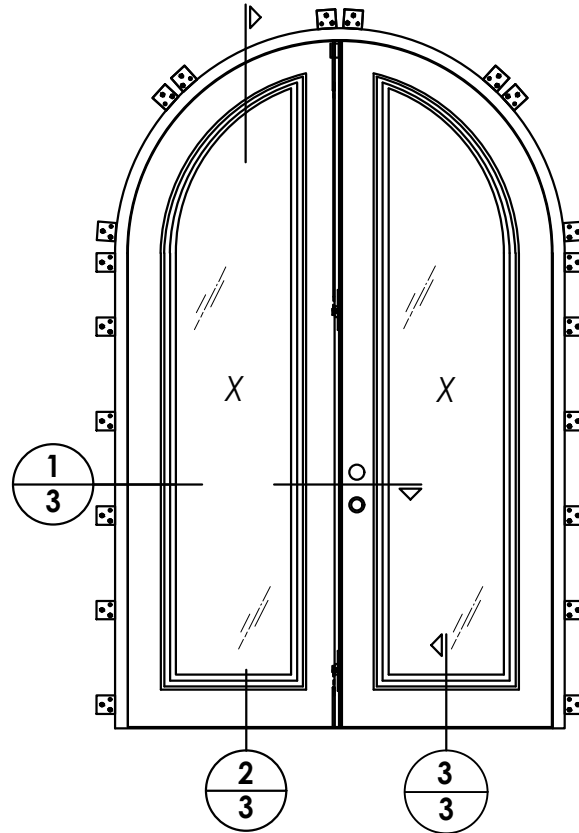
HORIZONTAL CROSS SECTION



2 VERTICAL CROSS SECTION

NOTE:
1. Lite frame anchor screws located
3" from corners and 8" o.c. thereafter.

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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			BY			
REVISIONS							
DATE: 4/21/14							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15044.9							
SHEET 2 OF 6							



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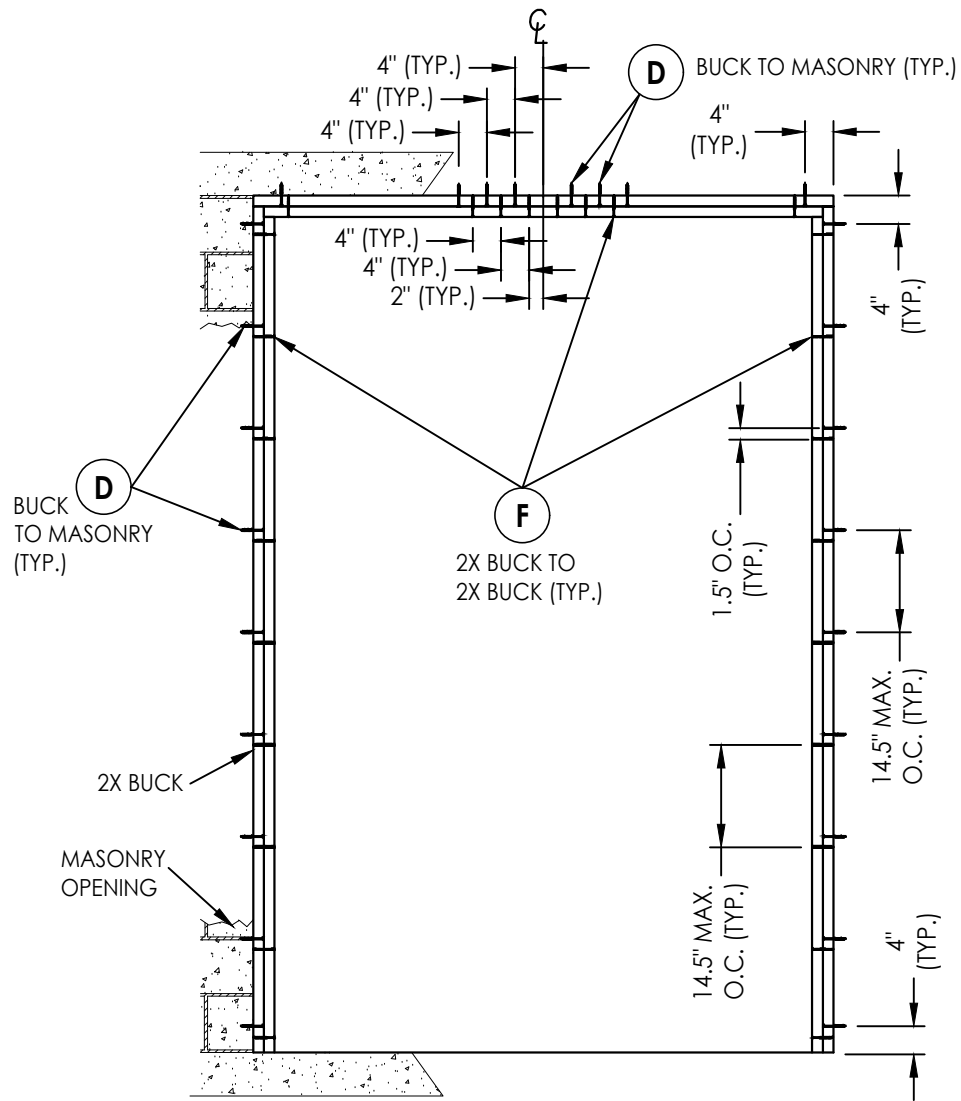
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ABBY IRON DOORS
GLAZED STEEL DOOR

OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

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DOUBLE DOOR BUCK ANCHORING

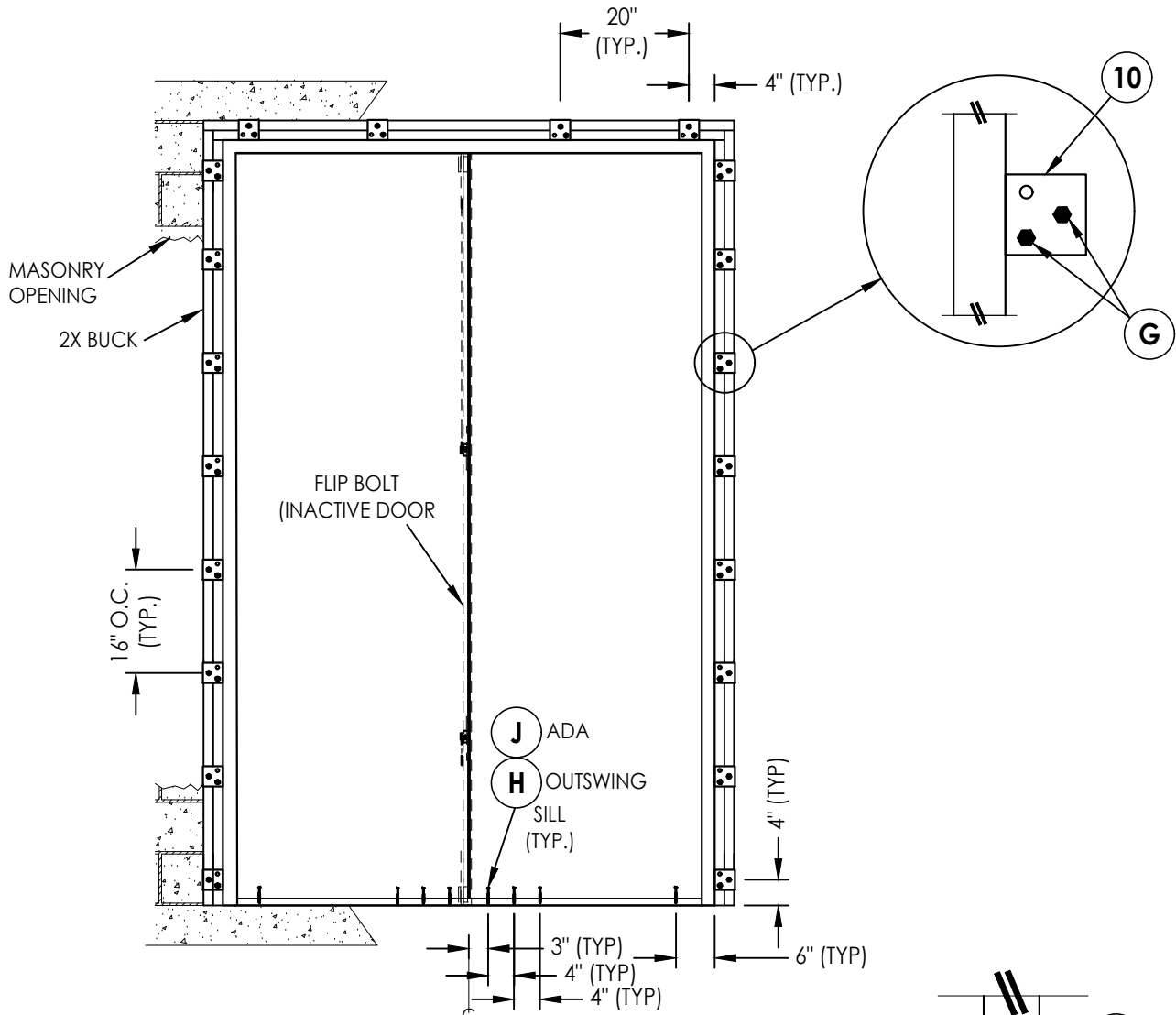
CONCRETE ANCHOR NOTES:

- 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:

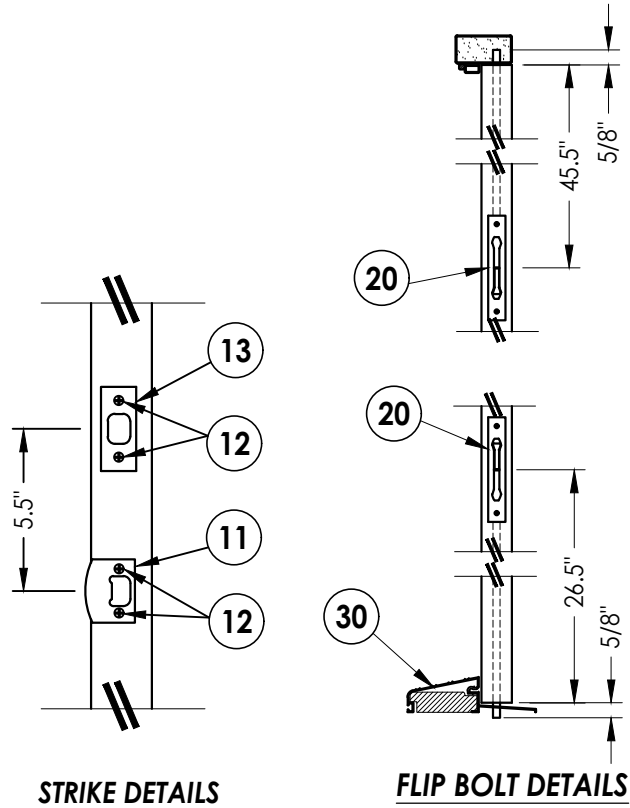
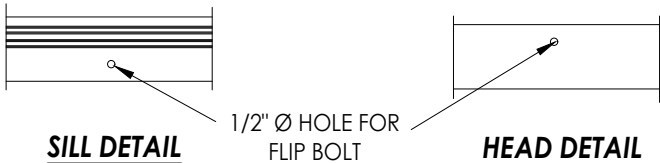
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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.



DOUBLE DOOR FRAME ANCHORING
(REMOVED DOOR PANEL FOR CLARITY)



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RW 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:
BUCK & FRAME ANCHORING
(RECTANGULAR FRAME)

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

DATE: 4/21/14

SCALE: N.T.S.

DWG. BY: JK

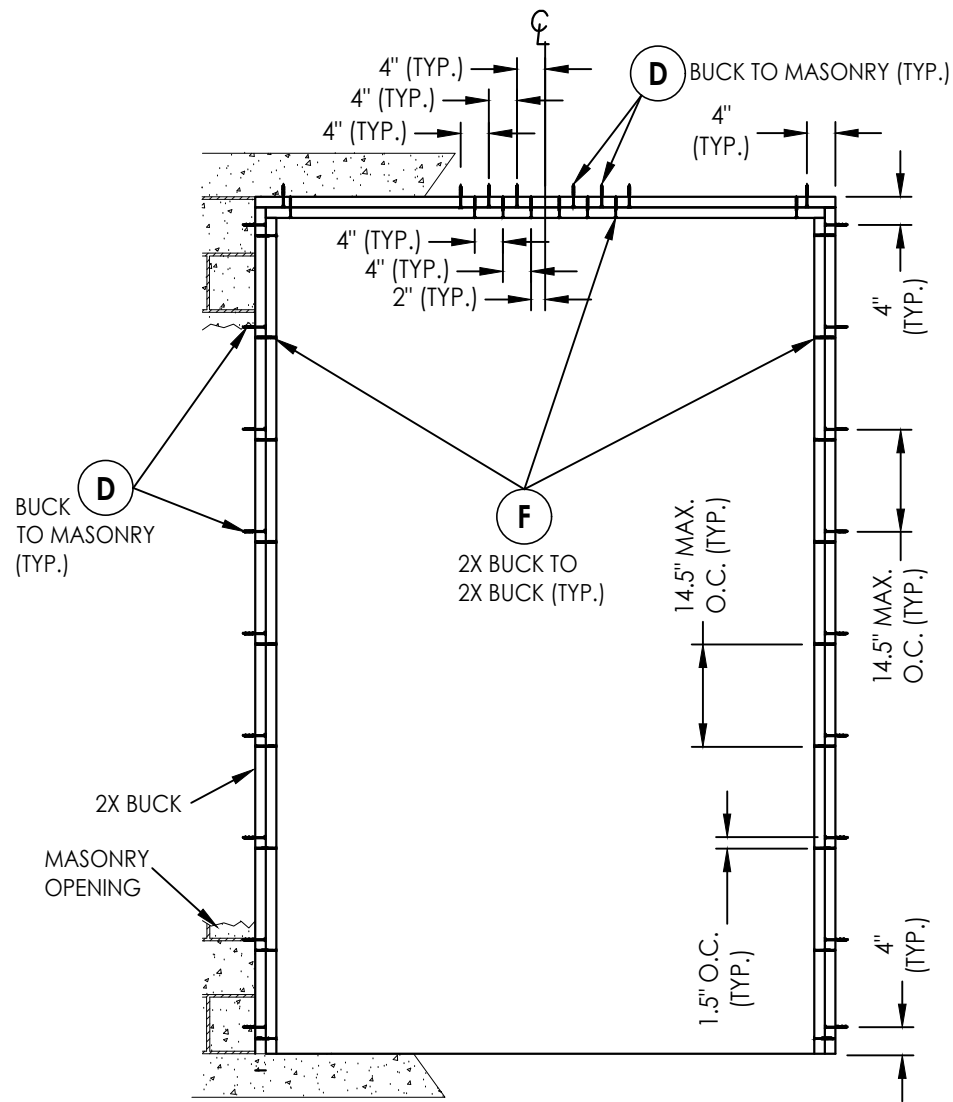
CHK. BY: LFS

DRAWING NO.:

FL-15044.9

SHEET 4 OF 6

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DOUBLE DOOR BUCK ANCHORING

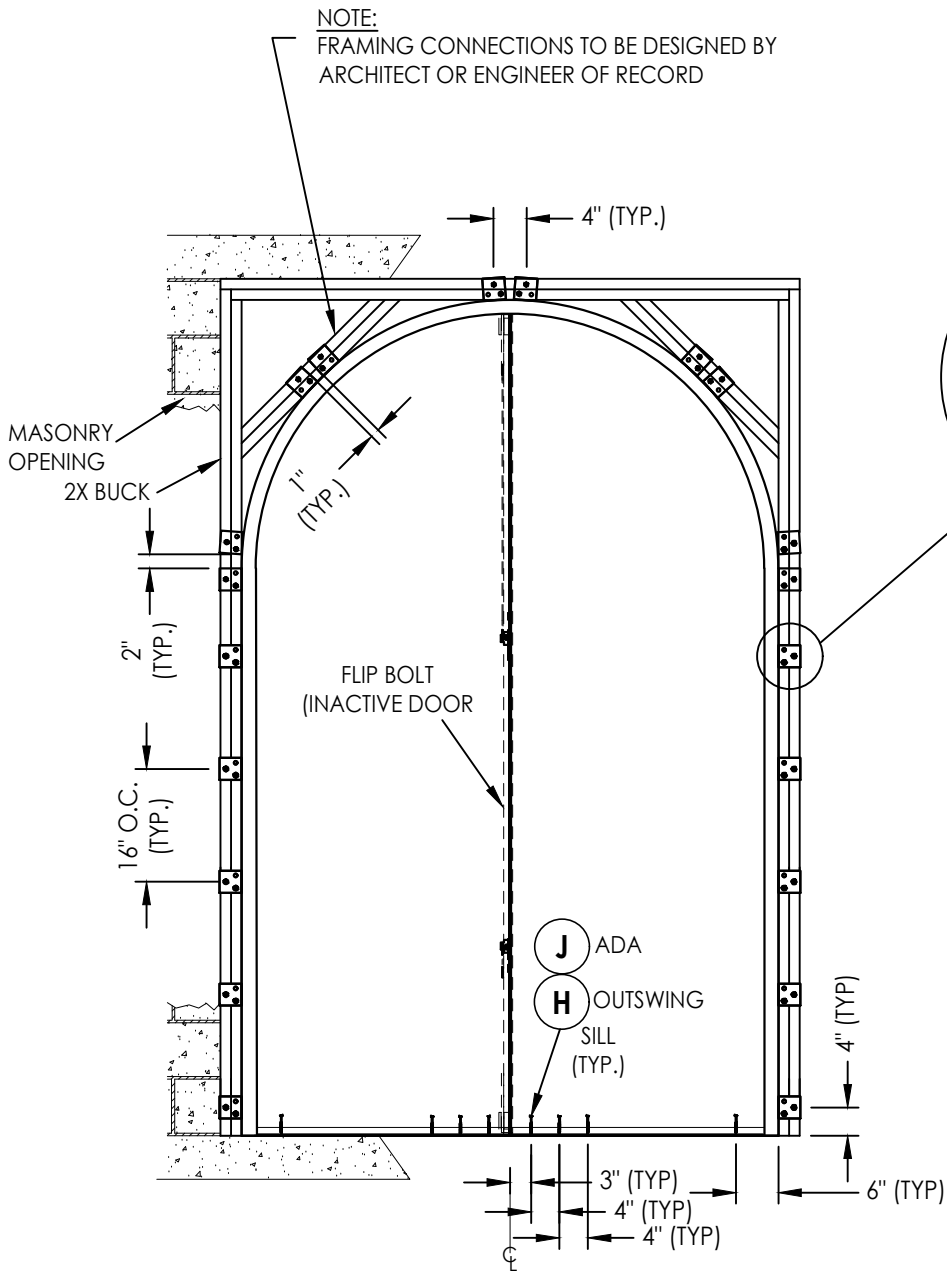
CONCRETE ANCHOR NOTES:

- 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:

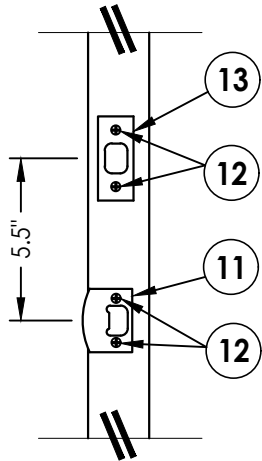
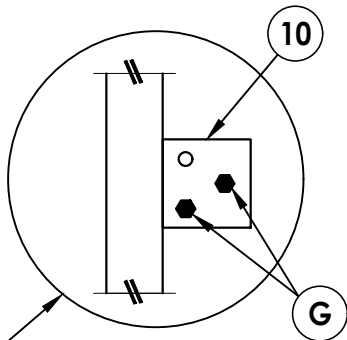
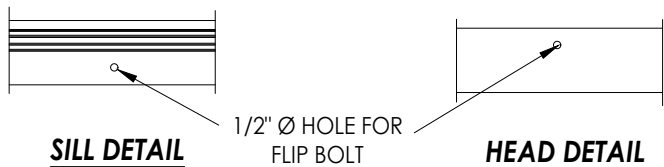
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

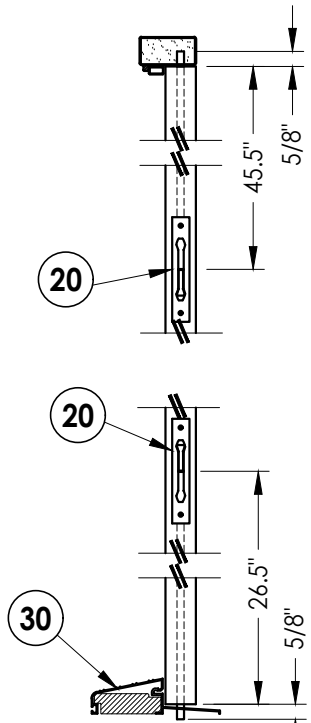
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



DOUBLE DOOR FRAME ANCHORING
(REMOVED DOOR PANEL FOR CLARITY)



STRIKE DETAILS



FLIP BOLT DETAILS

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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:
BUCK & FRAME ANCHORING
(ARCH TOP FRAME)

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: 4/21/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

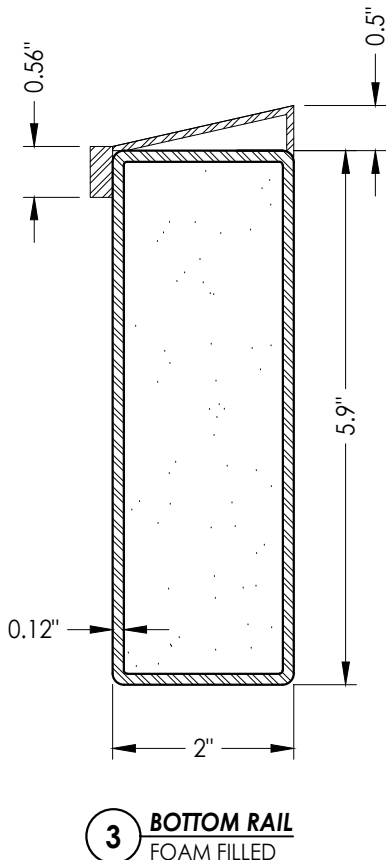
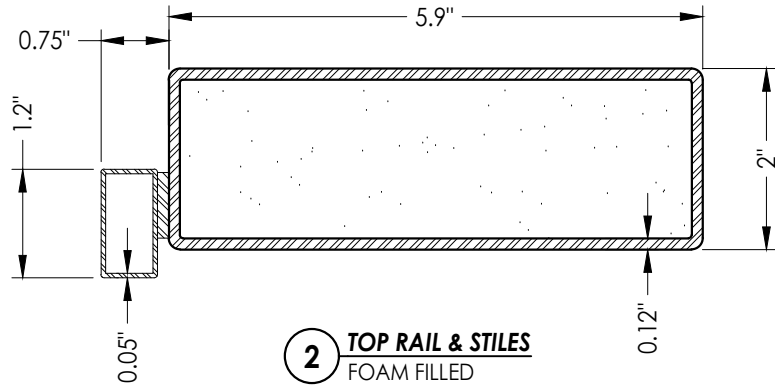
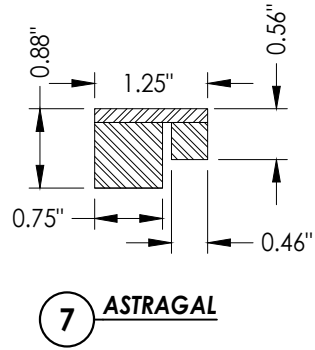
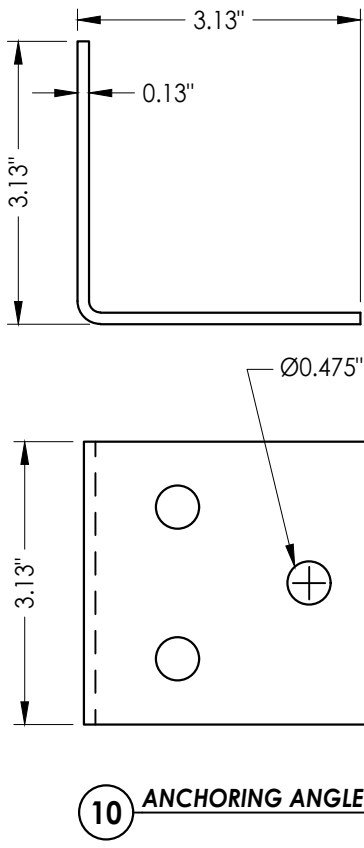
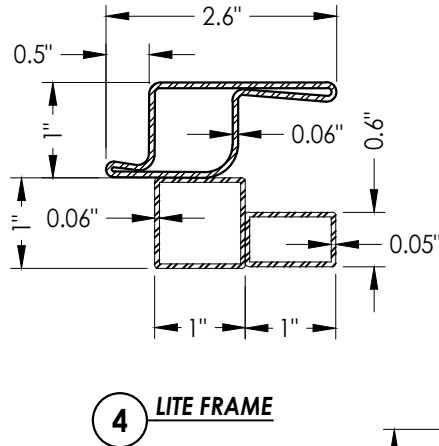
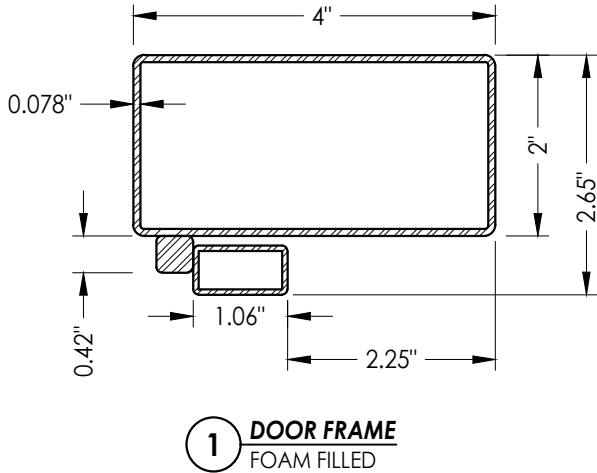
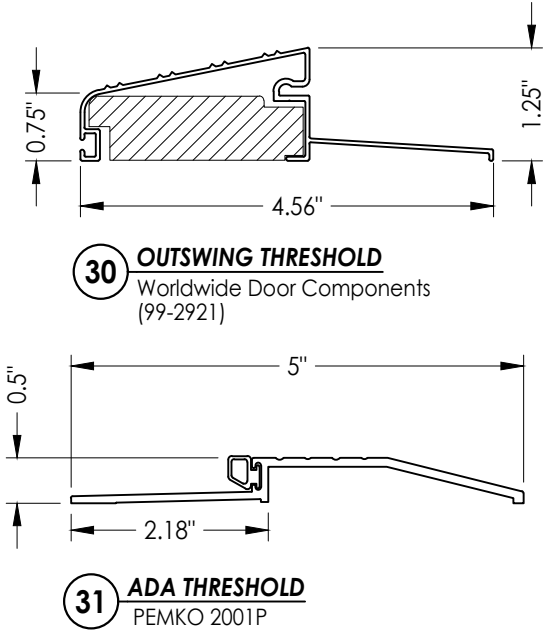
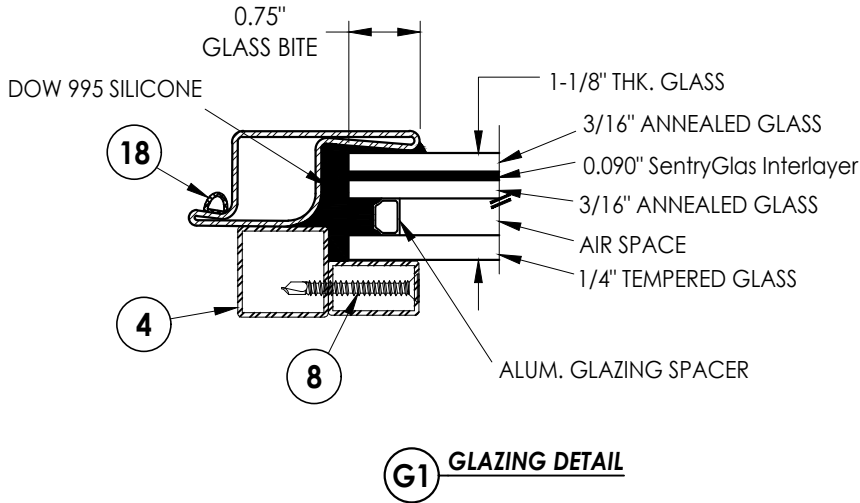
DRAWING NO.:

FL-15044.9

SHEET 5 OF 6

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.55	WOOD
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 3" PFH WOOD SCREW (1.5" MIN. EMBEDMENT)	STEEL
G	3/8" X 3" HH LAG SCREW (2.75" MIN. EMBEDMENT)	STEEL
H	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	FRAME	ASTM A36 STEEL
2	TOP RAIL & STILES	ASTM A36 STEEL
3	BOTTOM RAIL	ASTM A36 STEEL
4	LITE FRAME	ASTM A36 STEEL
5	WEATHERSTRIP (ECO-KS)	FOAM
6	DOOR HINGE	STEEL
7	ASTRAGAL	ASTM A36 STEEL
8	#10 X 1" HWH SELF-DRILLING SMS	STEEL
10	ANCHORING ANGLE	ASTM A36 STEEL
11	LOCK STRIKE PLATE	STEEL
12	#10 X 3/4" PFH SELF-DRILLING SMS	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	LOCK REINFORCEMENT (0.12" X 1")	STEEL
18	BULB WEATHERSTRIP	FOAM
20	FLIP BOLT	STEEL
30	OUTSWING THRESHOLD	ALUM/COMP
31	ADA THRESHOLD - PEMKO 2001P	ALUM
36	POLYURETHANE FOAM	POLYURETHANE
40	DOOR PANEL	-



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FBPE Registry No. 9813

PRODUCT:
ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAILS & 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
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NO.	DATE	BY
DATE: 4/21/14		
SCALE: N.T.S.		
DWG. BY: JK		
CHK. BY: LFS		
DRAWING NO.: FL-15044.9		
SHEET 6 OF 6		