



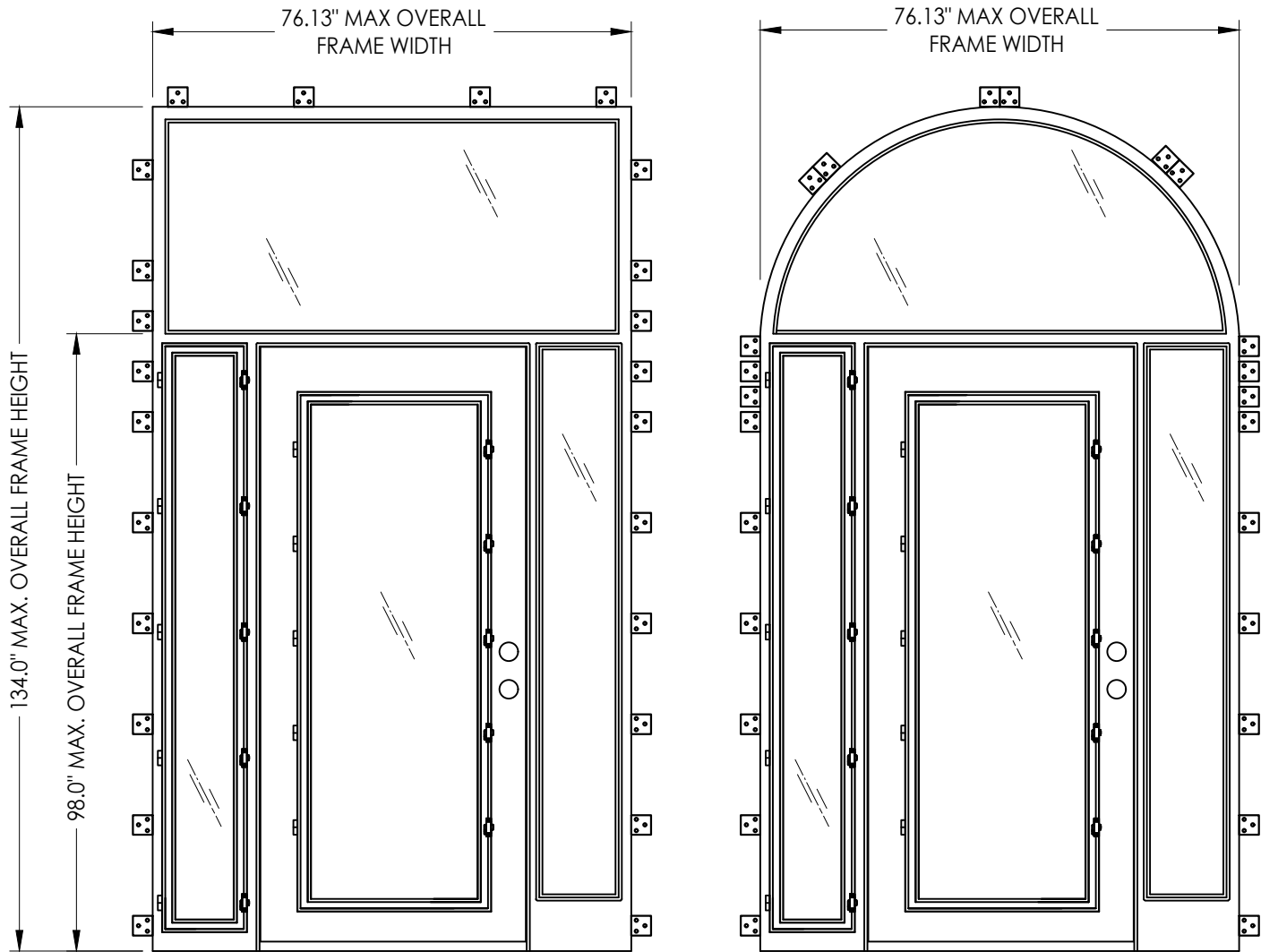
4075 Buford Highway, Suite E
Duluth, GA 30096

ARCHITECTURAL GLAZED STEEL SINGLE DOOR w/ SIDELITES & RECTANGULAR OR RADIUS TOP TRANSOM INSWING / OUTSWING "NON-IMPACT"

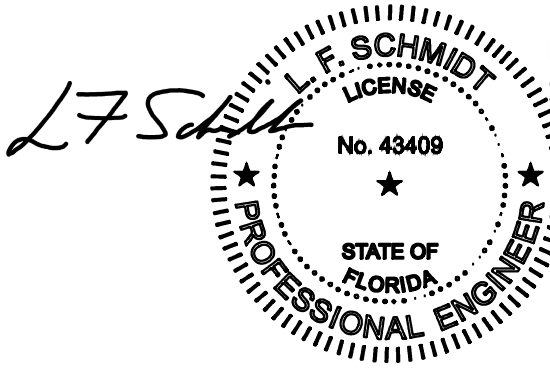
GENERAL NOTES

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 & 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	Transom panel details
5	Horizontal cross sections
6	Vertical cross sections
7	Buck and frame anchoring
8	Buck and frame anchoring
9	Components
10	Bill of materials & components



SWING	OVERALL FRAME DIMENSION	OVERALL DAYLIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
INSWING	76.13" x 134.0"	26.5" x 78.5"	G1	+75.0	-75.0
OUTSWING	76.13" x 134.0"	26.5" x 78.5"	G1	+75.0	-75.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.30 11:32:43 -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

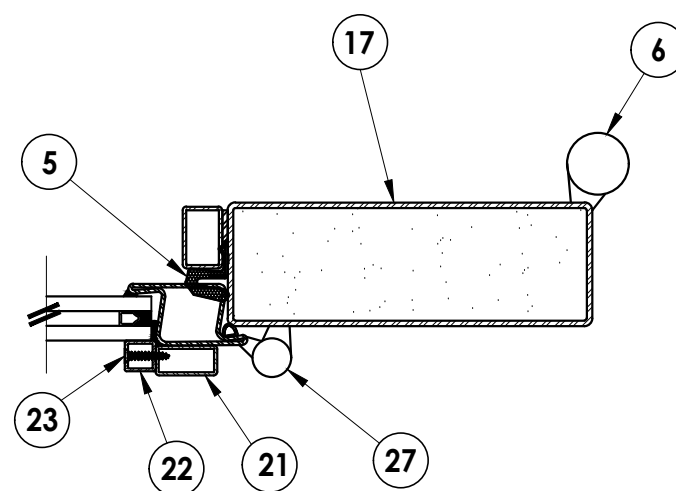
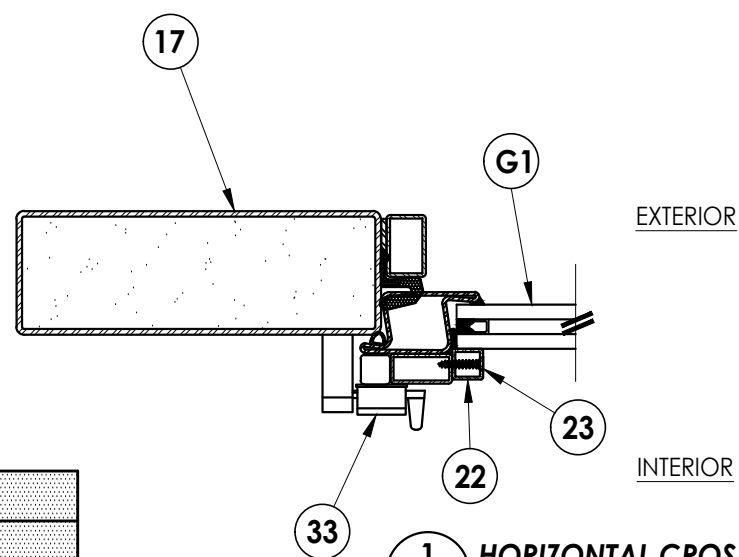
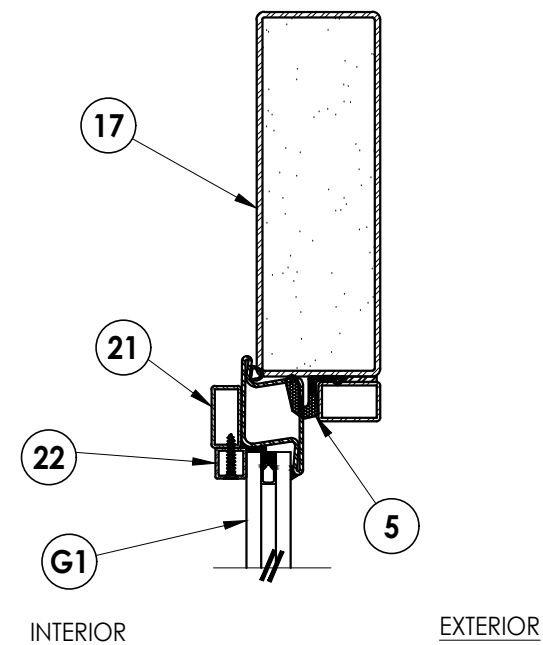
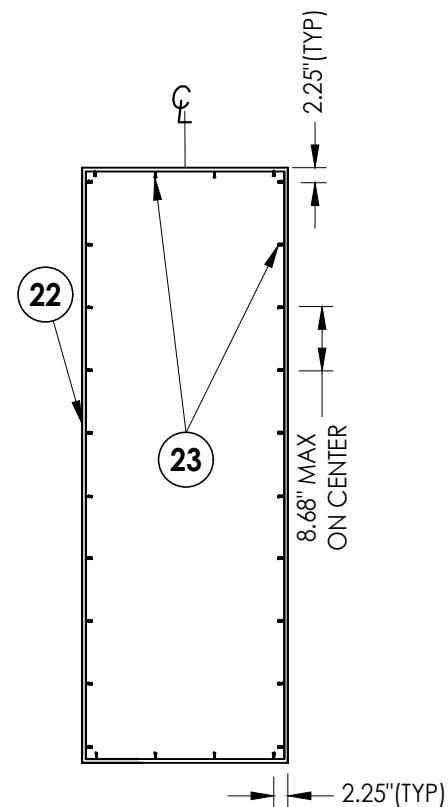
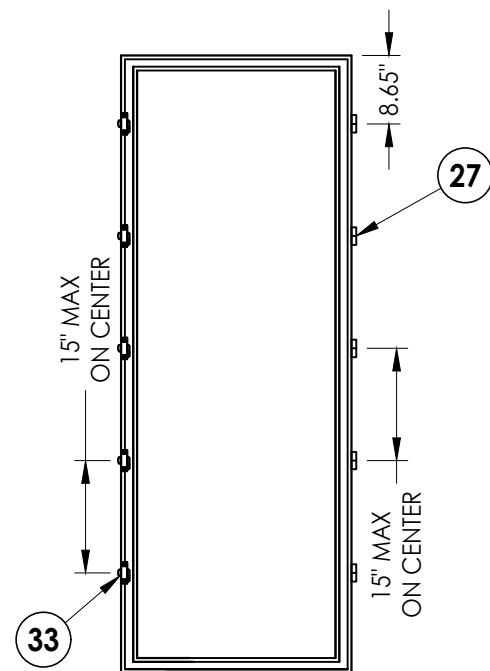
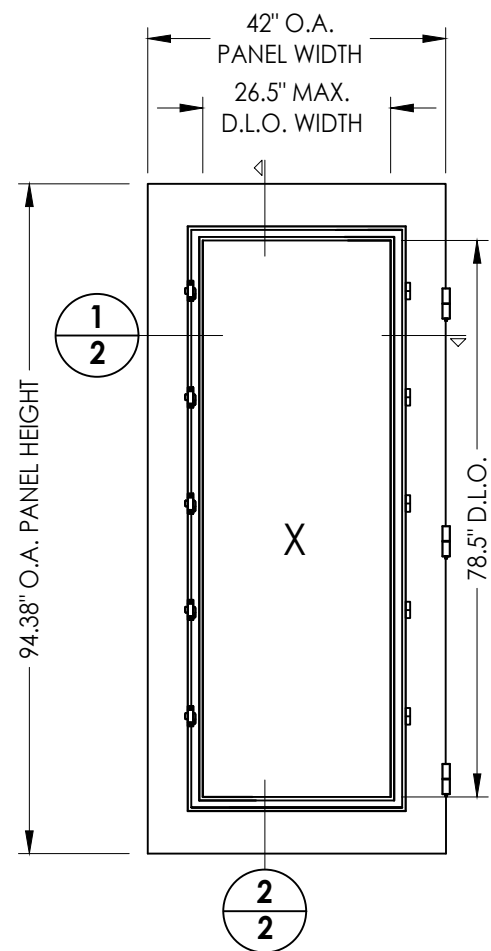
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3	8/06/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
1	3/03/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY

DATE: 12/14/11
SCALE: N.T.S.
DWG. BY: KV
CHK. BY: LFS
DRAWING NO.:
FL-15044.7
SHEET 1 OF 10

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

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

REVISIONS



HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)
DESIGN HARDWARE	KNOB:	K2 SERIES
	DEADBOLT:	D2 SERIES

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: 12/14/11

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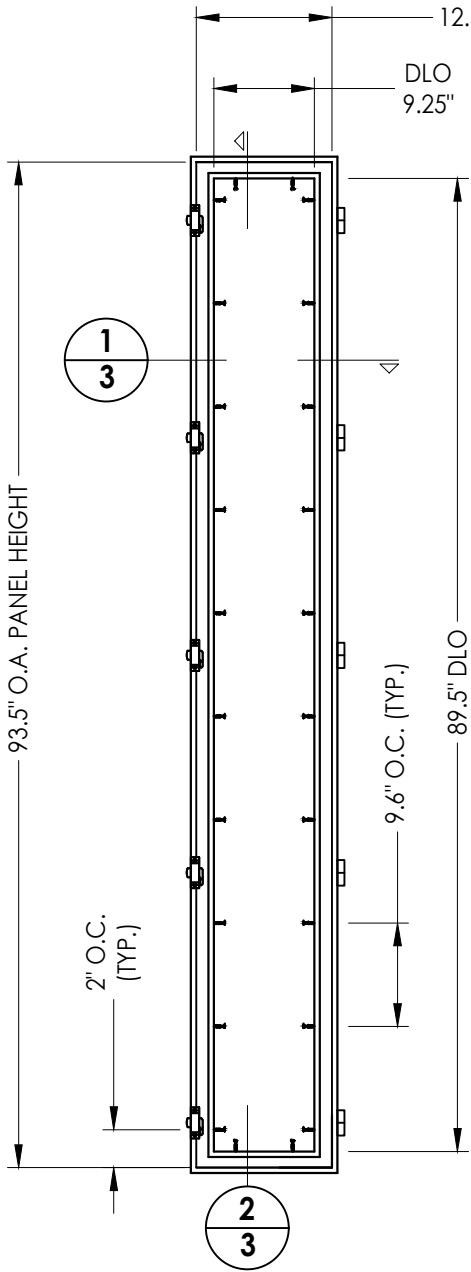
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SHEET 2 OF 10

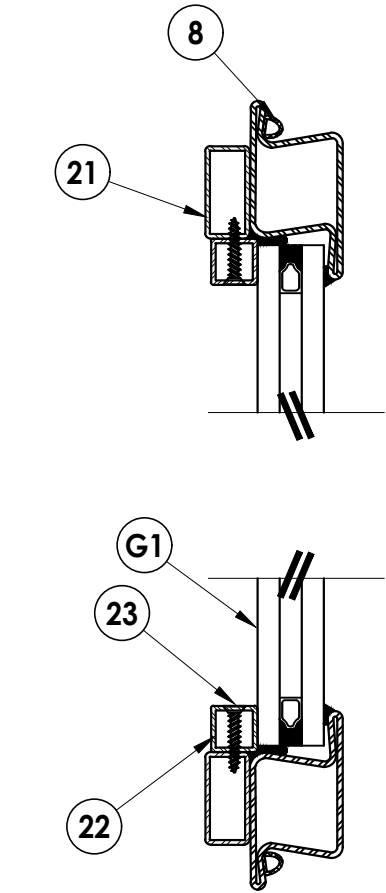
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

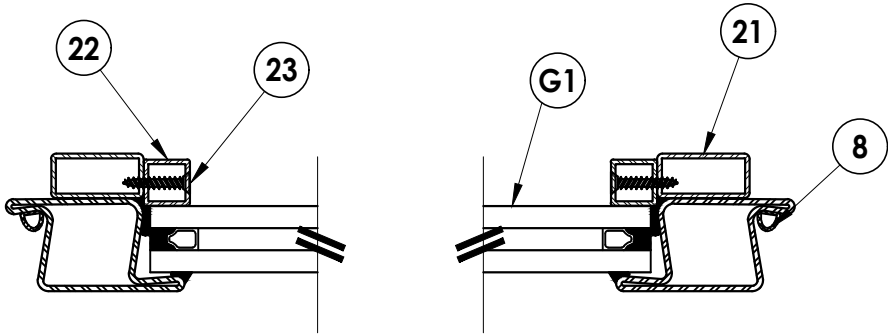
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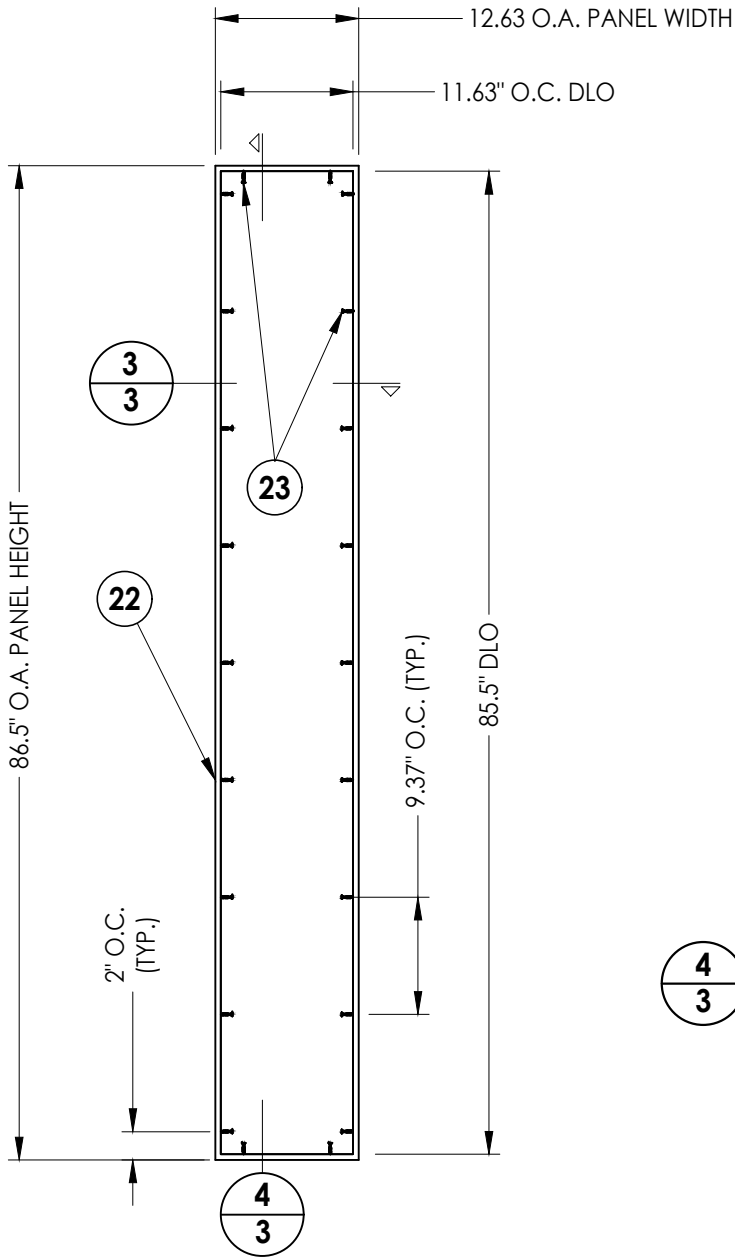
40 SIDELITE SASH PANEL
Operable



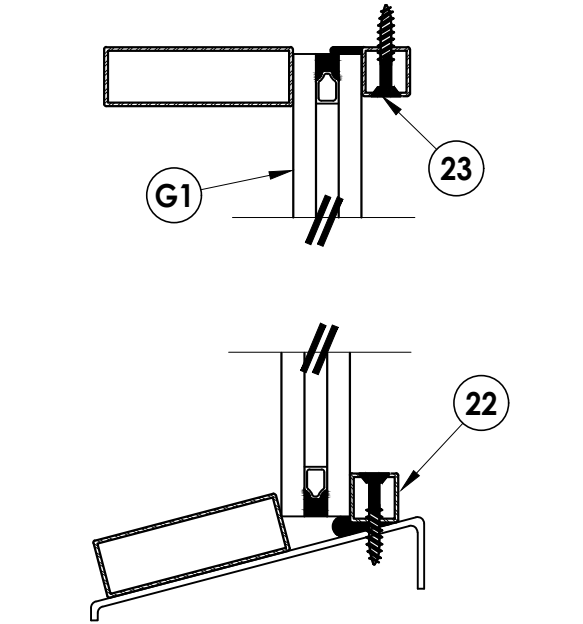
2 3 VERTICAL CROSS SECTION



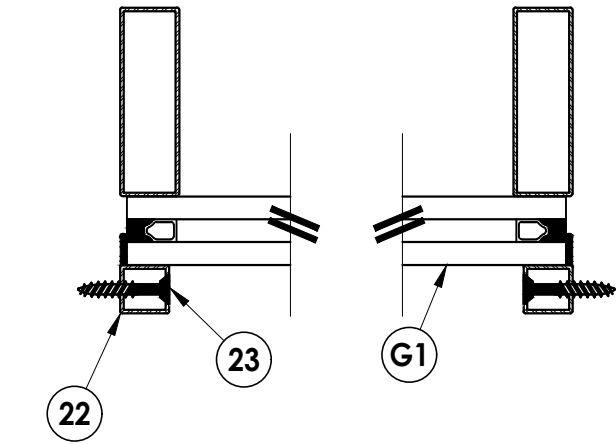
1 3 HORIZONTAL CROSS SECTION



40 SIDELITE SASH PANEL
FIXED



4 3 VERTICAL CROSS SECTION



3 3 HORIZONTAL CROSS SECTION

DATE: 12/14/11

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

DRAWING NO.:
FL-15044.7

SHEET 3 of 10

Documents Prepared By:
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P.E. No. 43409

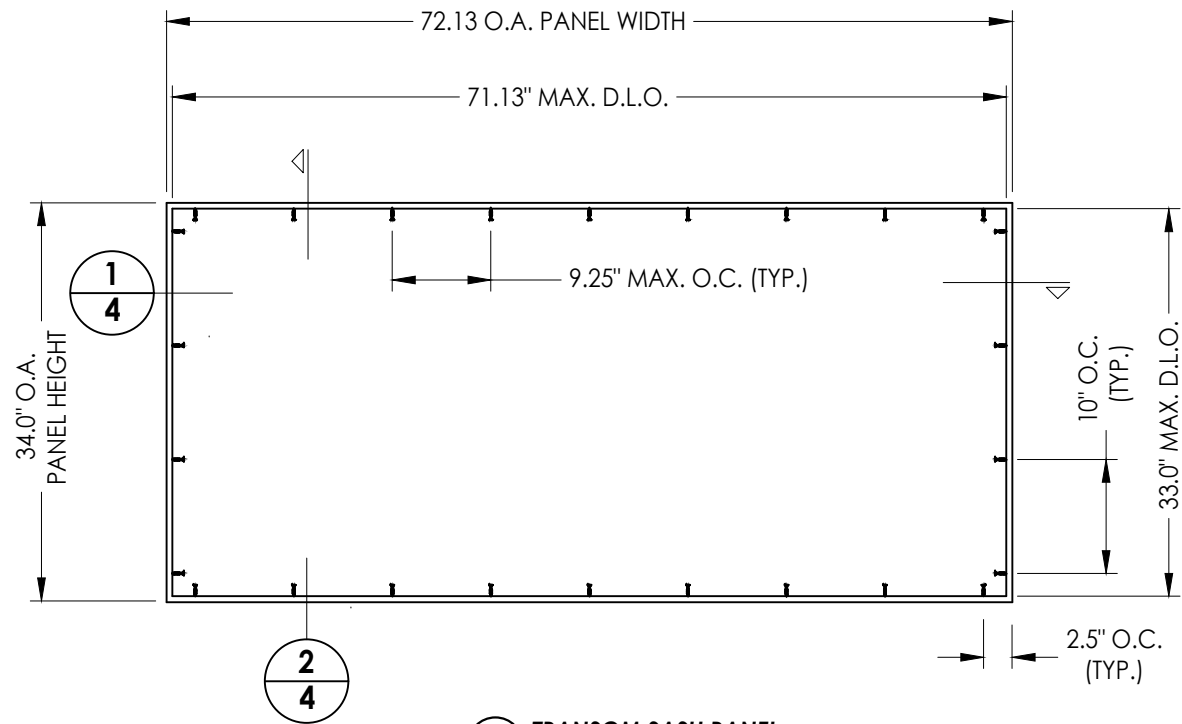
PRODUCT:
ABBY IRON DOORS
GLAZED STEEL DOOR

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Phone No.: 813.659.9197
FBPE Registry No. 9813

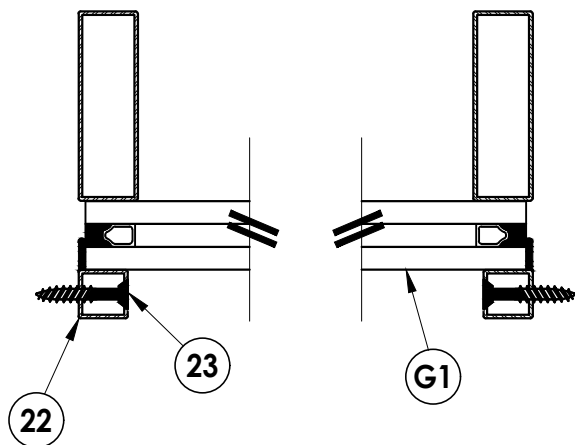
PART OR ASSEMBLY:
SIDELITE PANEL
DETAILS

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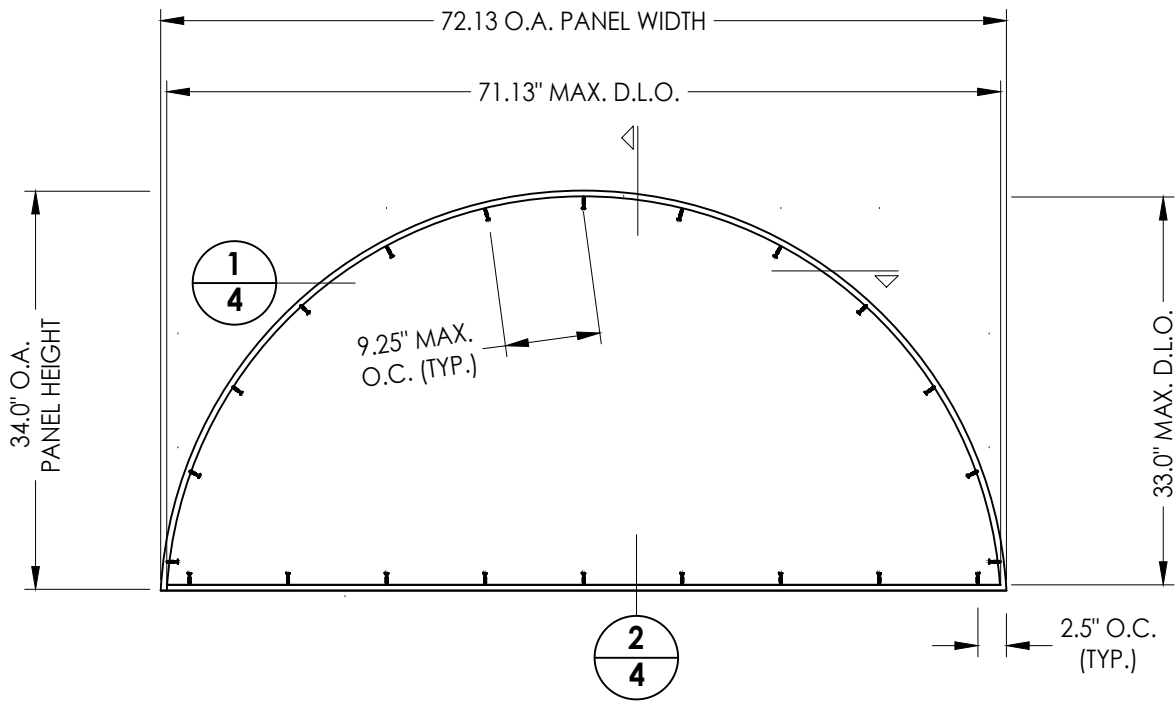
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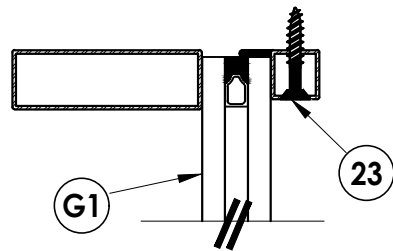
40 TRANSOM SASH PANEL
RECTANGULAR



1/4 HORIZONTAL CROSS SECTION



40 TRANSOM SASH PANEL
RADIUS TOP



2/4 VERTICAL CROSS SECTION

Documents Prepared By:
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PRODUCT:
ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:
TRANSOM PANEL
DETAILS

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.

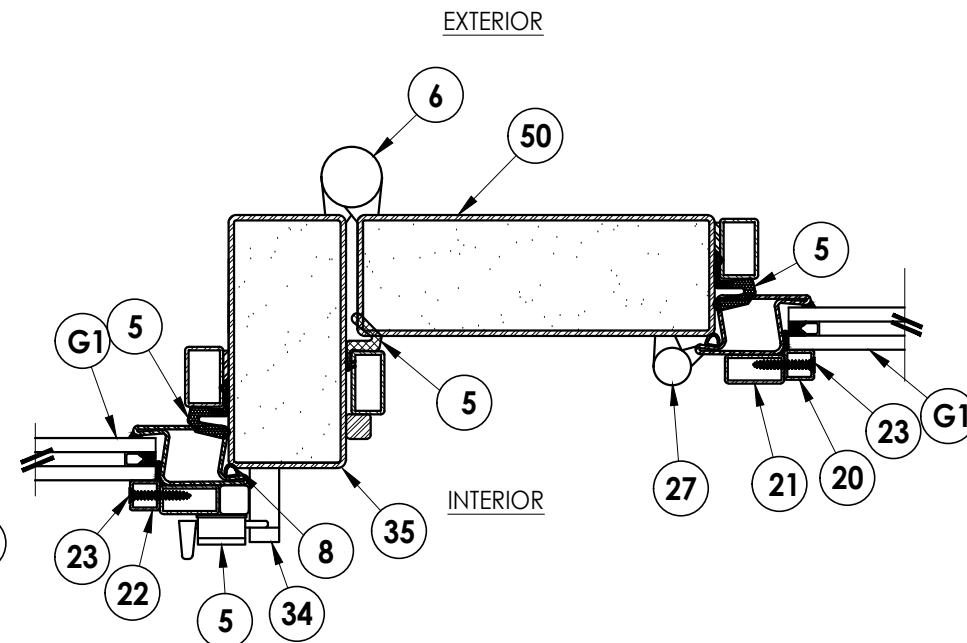
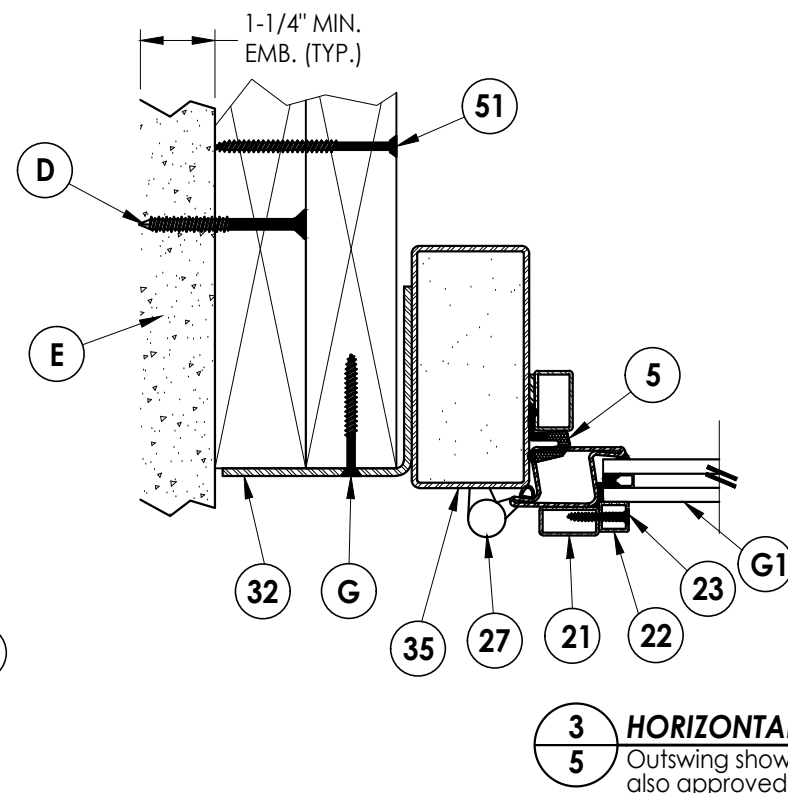
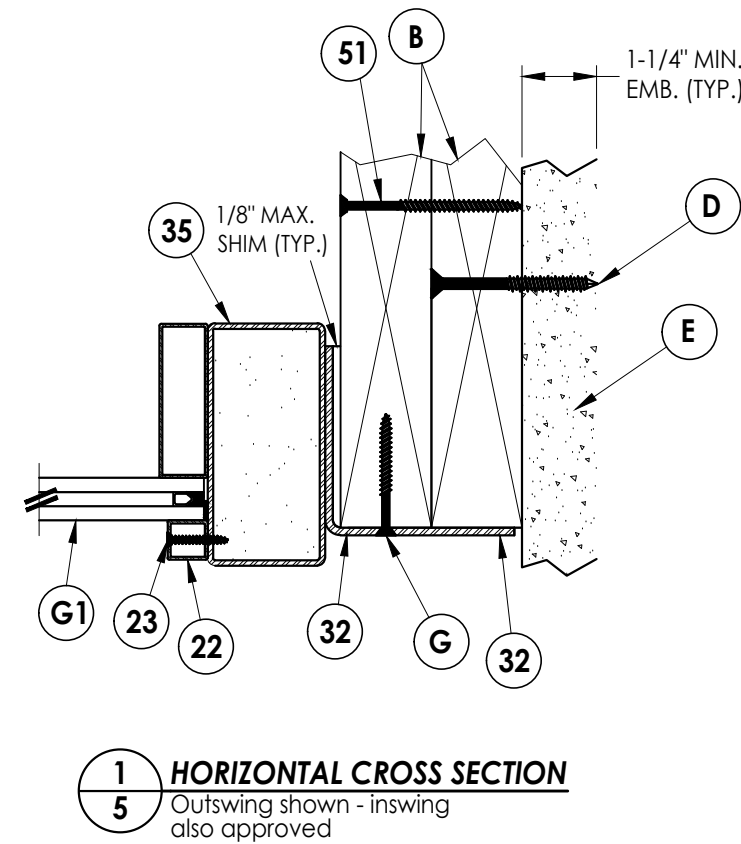
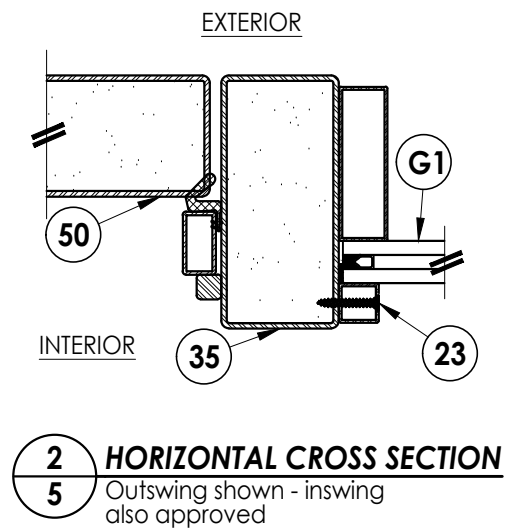
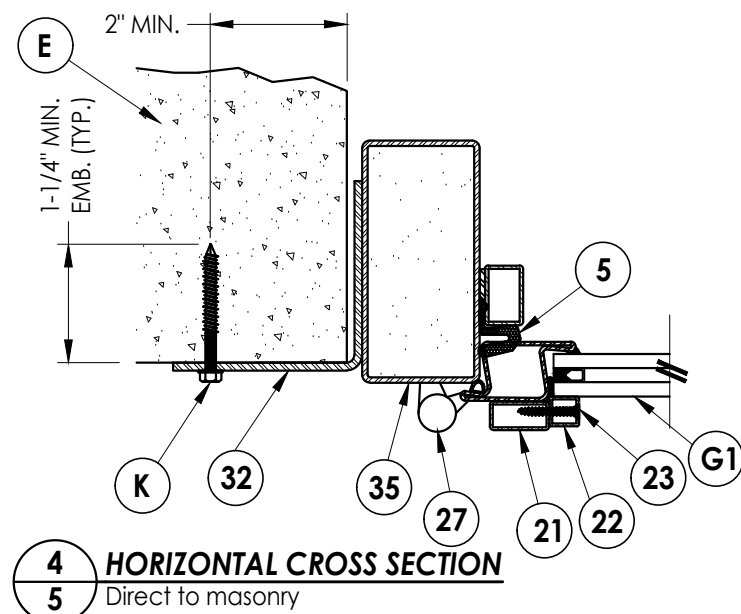
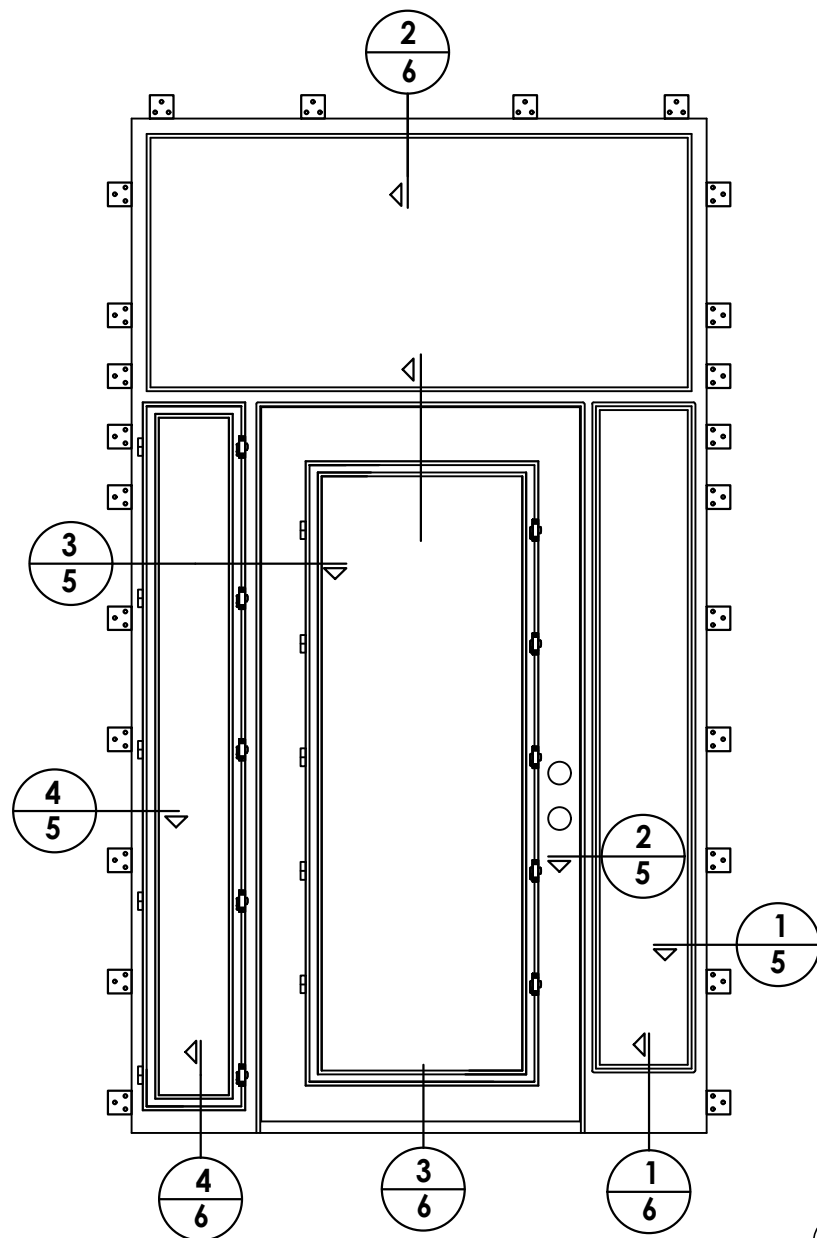
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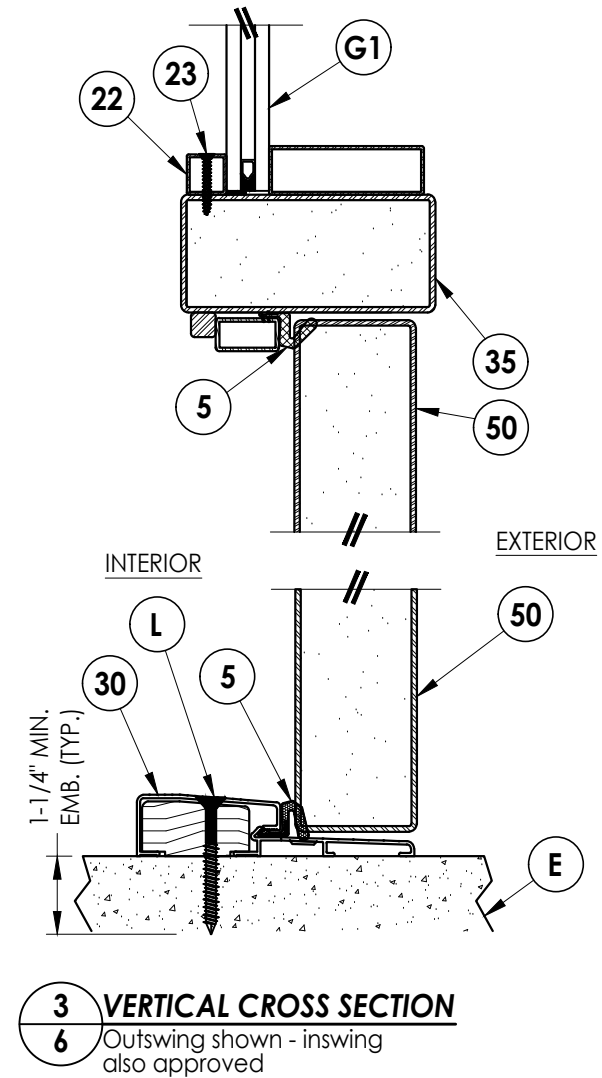
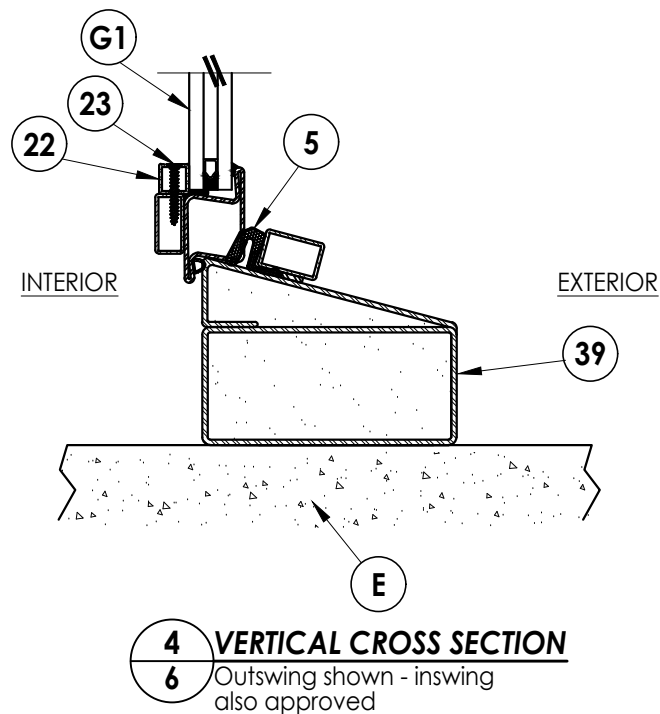
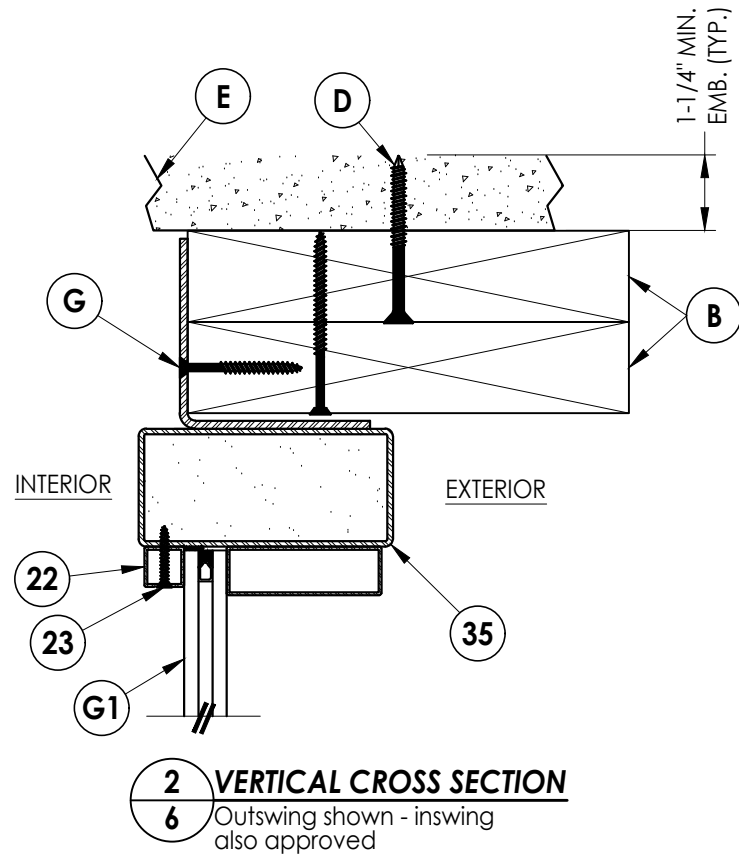
CHK. BY: LFS

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FL-15044.7

SHEET 4 OF 10

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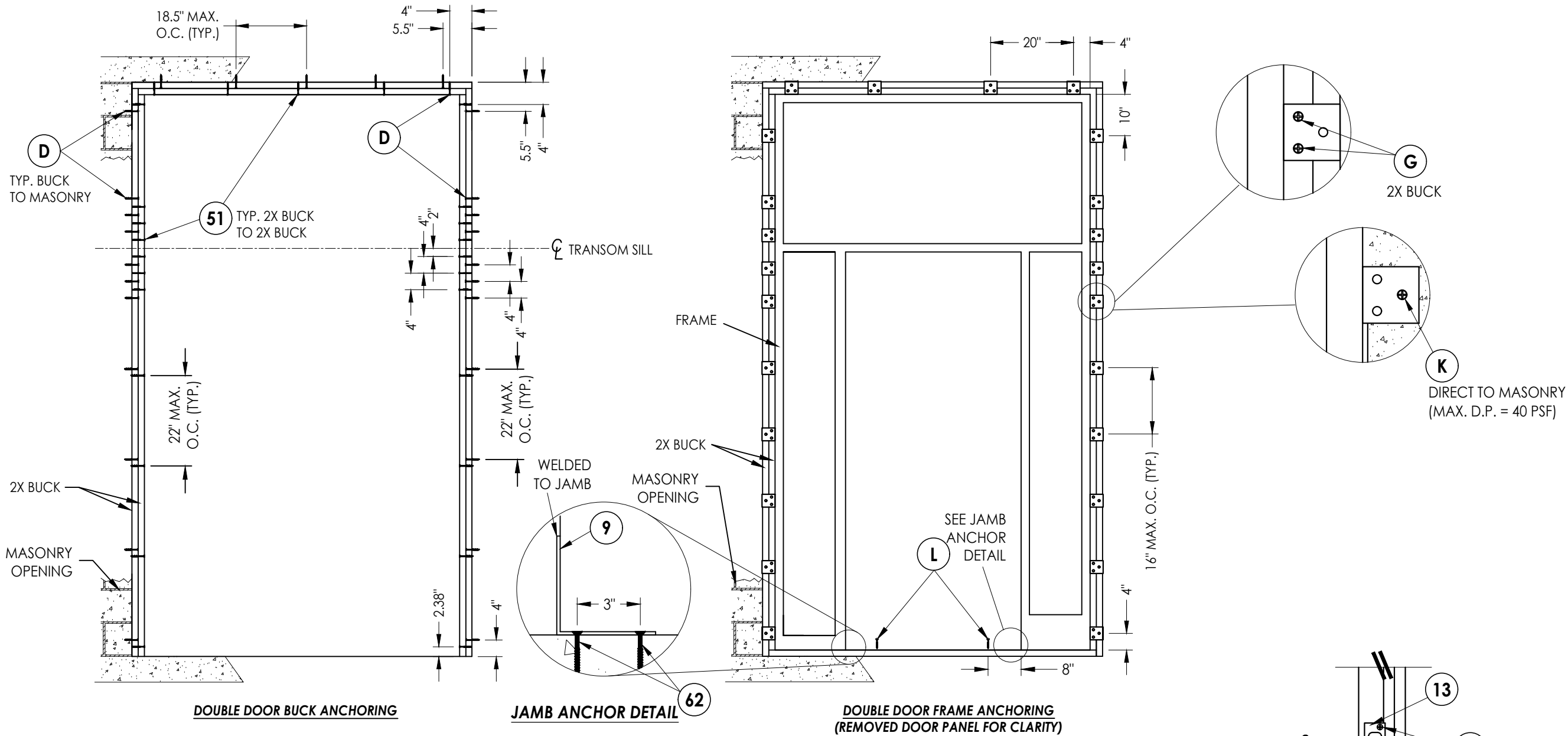
PRODUCT: ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:

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

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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CONCRETE ANCHOR NOTES:

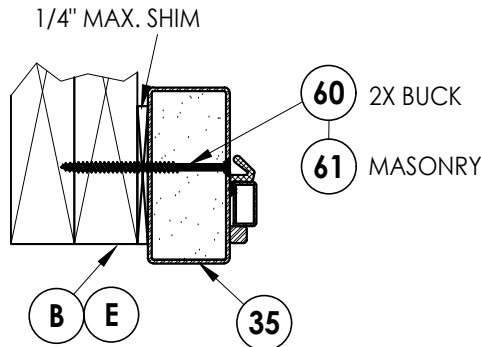
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON 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:

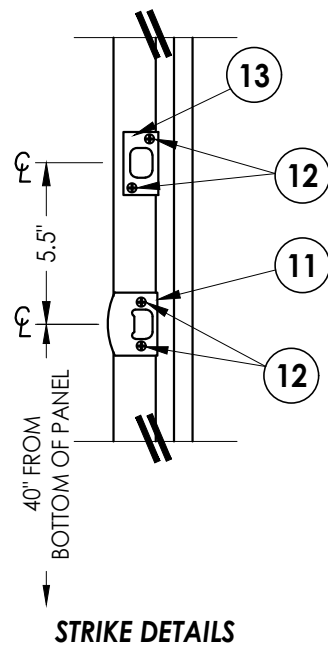
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

DOUBLE DOOR FRAME ANCHORING
(REMOVED DOOR PANEL FOR CLARITY)



ALTERNATE THROUGH THE FRAME ANCHORING

Locate anchors at the same location where each anchor bracket is shown above (anchor brackets may be removed).
(MAX. D.P. = 50 PSF)



Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
ABBY IRON DOORS
GLAZED STEEL DOOR

PART OR ASSEMBLY:

BUCK & FRAME
ANCHORING

DATE: 12/14/11

SCALE: N.T.S.

DWG. BY: KV

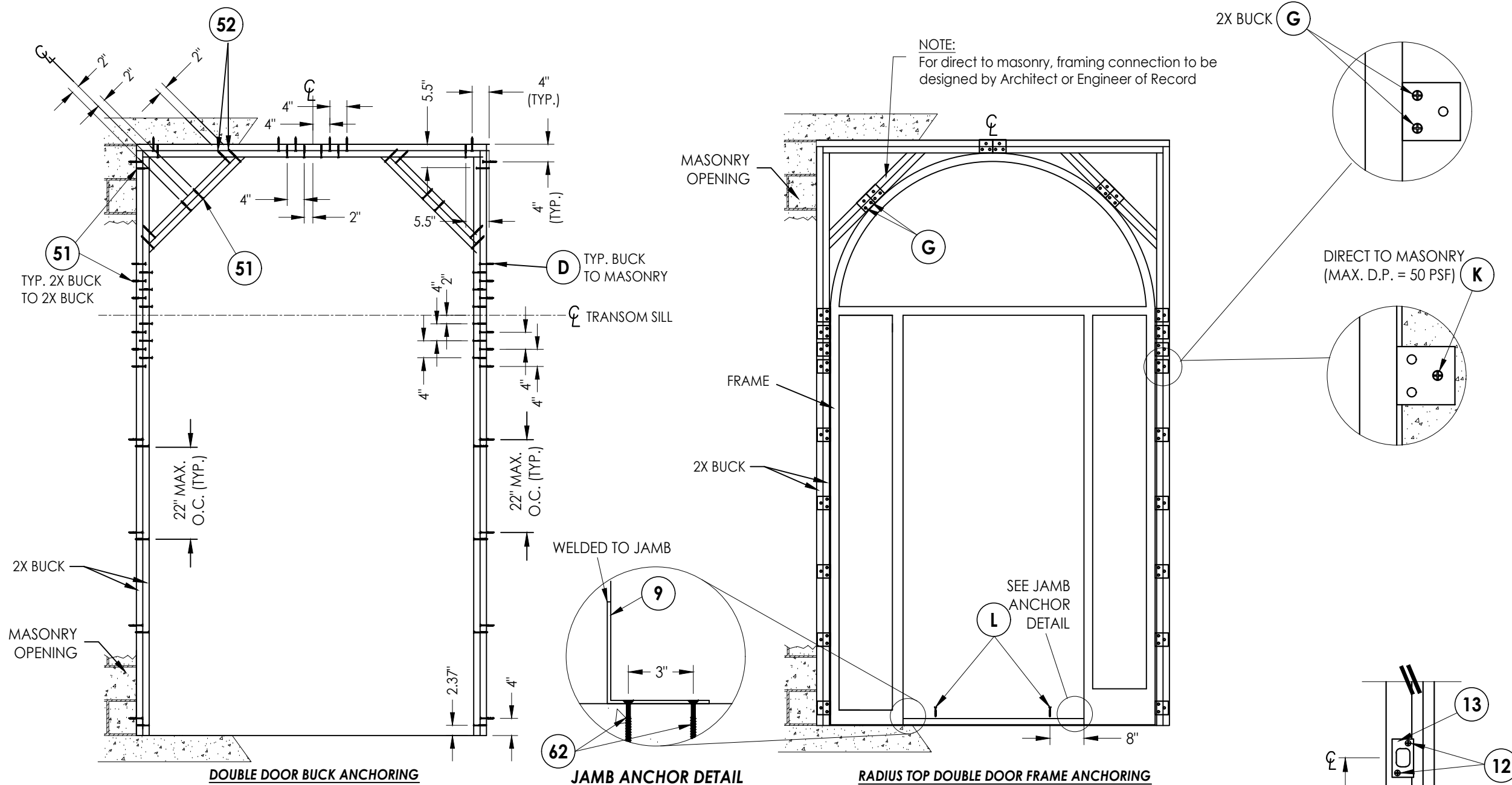
CHK. BY: LFS

DRAWING NO.:

FL-15044.7

SHEET 7 OF 10

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FBPE Registry No. 9813



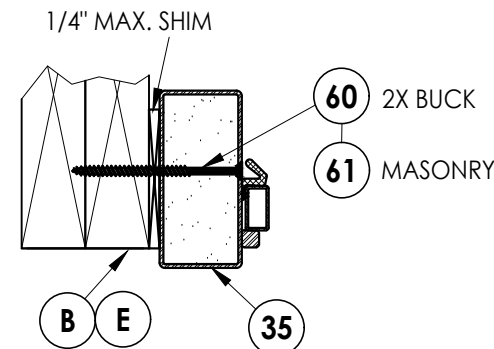
CONCRETE ANCHOR NOTES:

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

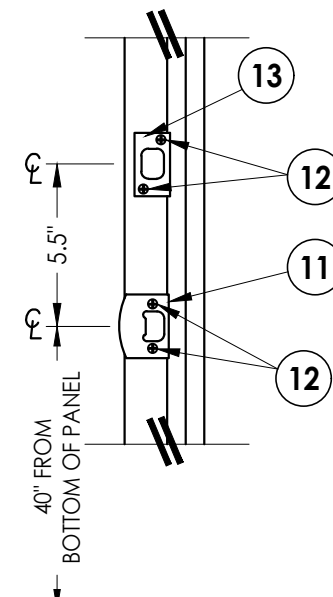
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



ALTERNATE THROUGH THE FRAME ANCHORING

Locate anchors at the same location where each anchor bracket is shown above (anchor brackets may be removed).

(MAX. D.P. = 50 PSF)



STRIKE DETAILS

[illegible]

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