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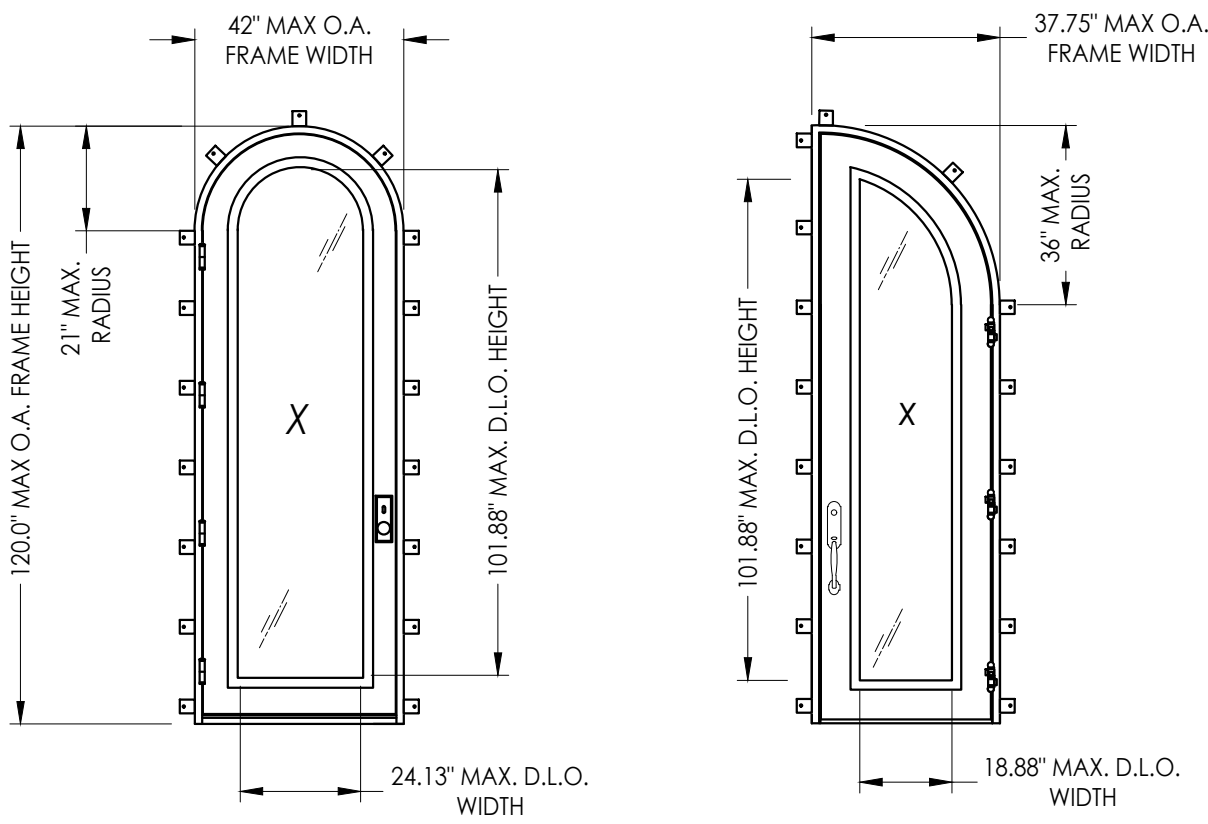
Clark Hall Iron Doors

GLAZED IRON SINGLE DOOR (Arch Top) INSWING/OUTSWING "NON-IMPACT"

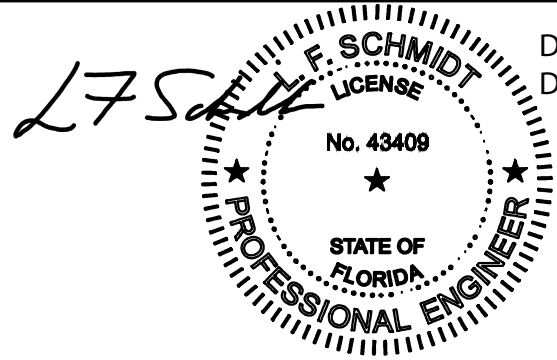
GENERAL NOTES

- 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 & glazing details
3	Horizontal & vertical cross sections
4	Buck & Frame anchoring
5	Components
6	Bill of materials & components



CONFIGURATION	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)			
		INSWING		OUTSWING	
		POS.	NEG.	POS.	NEG.
X (Full Arch)	42.0" x 120.0"	+65.0	-65.0	+65.0	-65.0
X (1/2 Arch)	37.75" x 120.0"	+65.0	-65.0	+65.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.05 08:22:42 -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:
CLARK HALL IRON DOORS

PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

DATE: 10/30/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16663.1

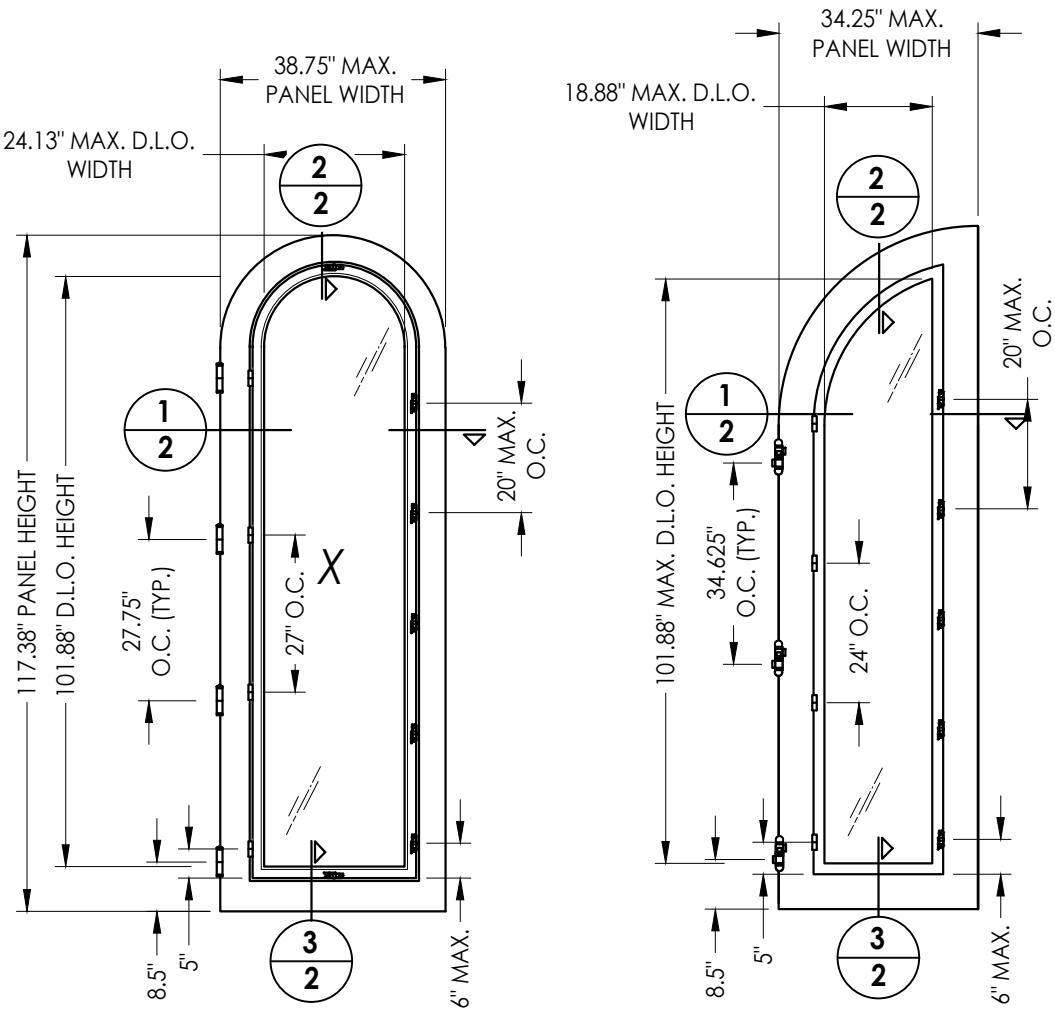
SHEET 1 OF 6

REVISIONS

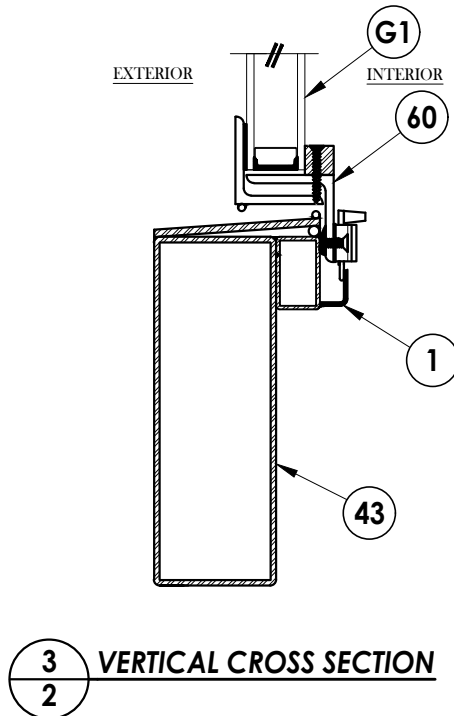
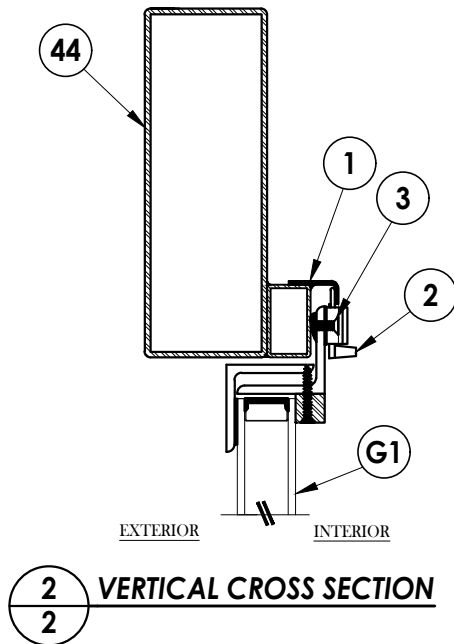
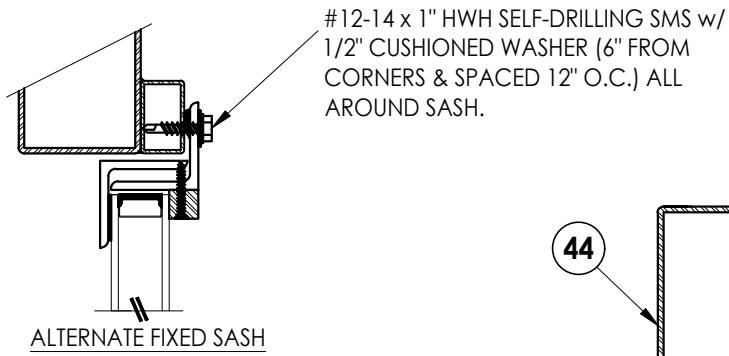
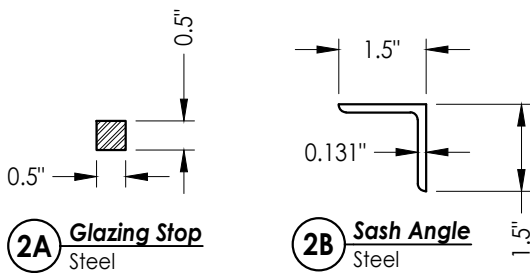
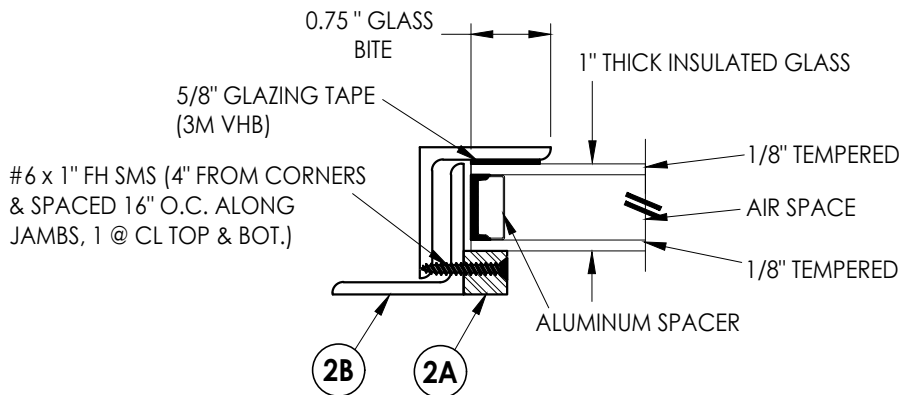
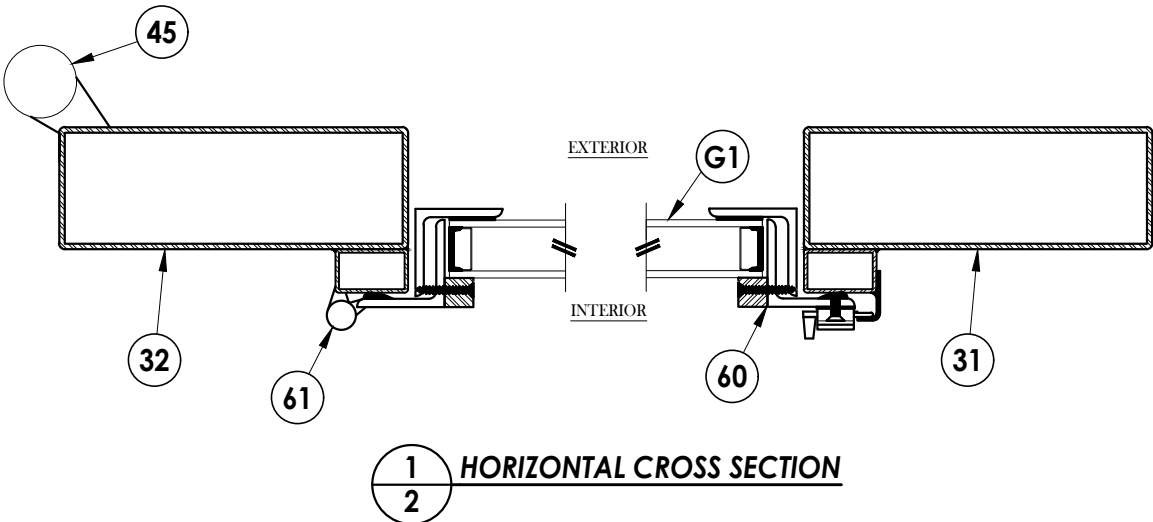
NO.	DATE	REVISIONS
4	7/05/23	UPDATE TO 8TH ED. (2023) FBC
3	9/09/20	UPDATE TO 7TH ED. (2020) FBC
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1	8/17/15	UPDATE TO 5TH ED. (2014) FBC

Building Consultants, Inc.

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

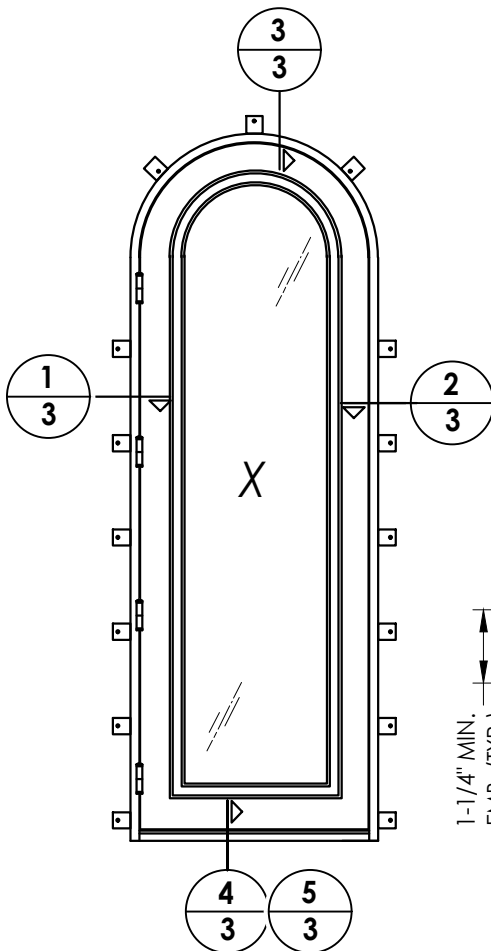


30 DOOR PANEL
w/ Operable Sash

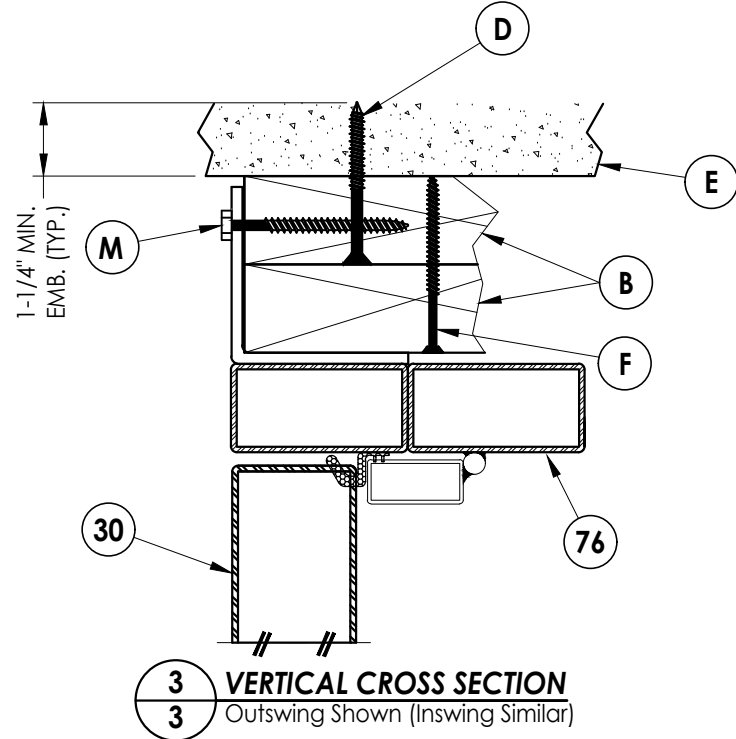


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: CLARK HALL IRON DOORS		PART OR ASSEMBLY: DOOR PANEL DETAILS & GLAZING DETAILS	
		LFS	BY
4	7/05/23	UPDATE TO 8TH ED. (2023) FBC	LFS
3	9/09/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	8/30/17	UPDATE TO 6TH ED. (2017) FBC	LFS
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	NO. DATE		
REVISIONS			
DATE: 11/8/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16663.1			
SHEET 2 OF 6			

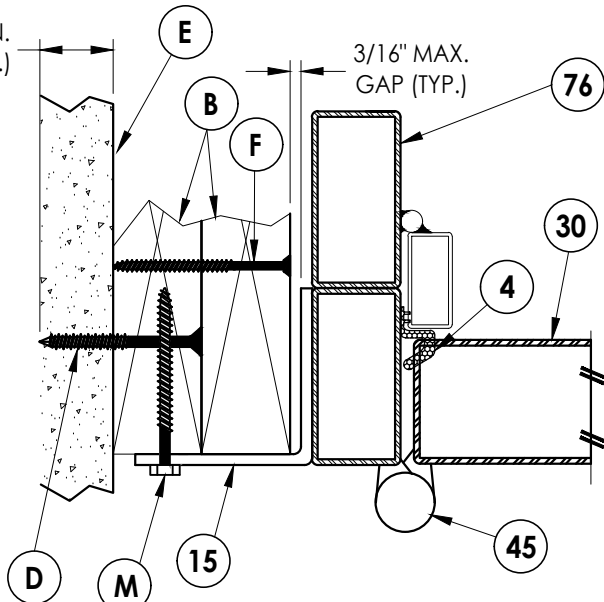
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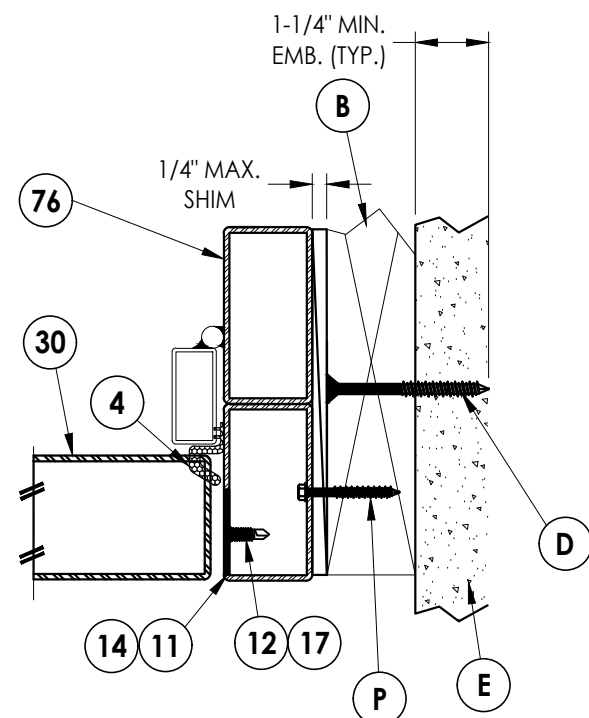
ARCH TOP



3
3 VERTICAL CROSS SECTION
Outswing Shown (Inswing Similar)

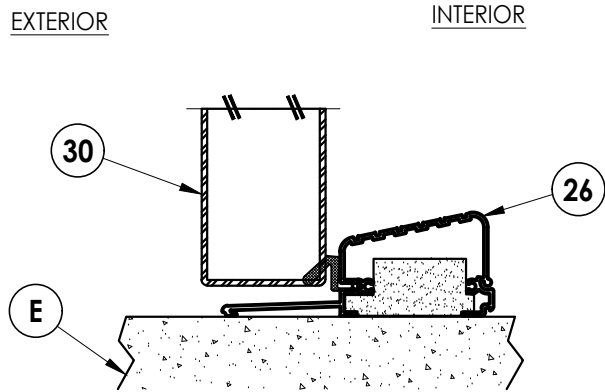


1
3 HORIZONTAL CROSS SECTION
Outswing Shown (Inswing Similar)

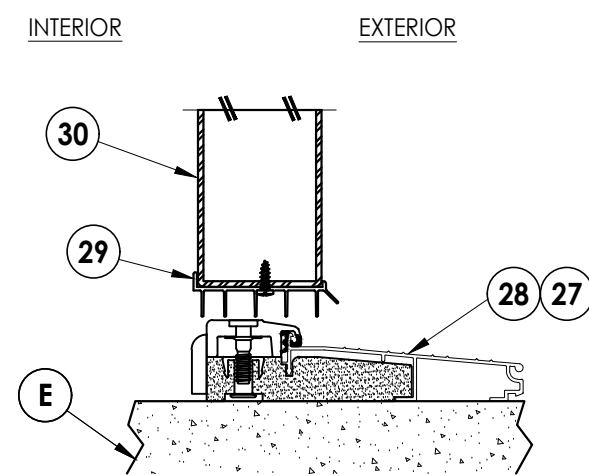


2
3 HORIZONTAL CROSS SECTION
Shown w/ Optional Through the Frame Anchoring

LOCK HARDWARE TABLE	
MANUFACTURER	MODEL
EMTEK	TUBULAR ENTRY SET (SHERIDAN - 451812)
SUN VALLEY BRONZE ACCURATE LOCK & HARDWARE	LEVER/KNOB ENTRY SET (RIDGE: CS-421PLD) MORTISE LOCK
ASHLEY NORTON	TUBULAR ENTRY SET (SQTUB w/ 900 SERIES KNOB)
ASHLEY NORTON ACCURATE LOCK & HARDWARE	MORTISE LOCK (SQMOR w/ 900 SERIES KNOB) MORTISE LOCK



4
3 VERTICAL CROSS SECTION
Outswing Shown



5
3 VERTICAL CROSS SECTION
Inswing Sill

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P.E. No. 43409

CLARK HALL IRON DOORS

DATE: 10/30/13

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CHK. BY: LFS

DRAWING NO.: FL-16663.1

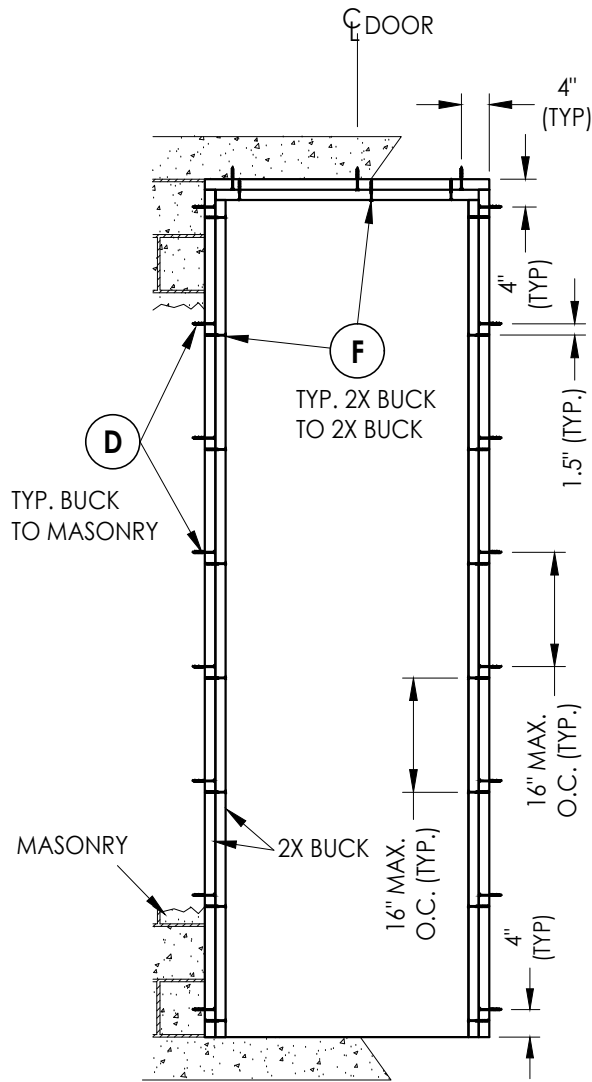
SHEET 3 OF 6

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FBPE Registry No. 9813

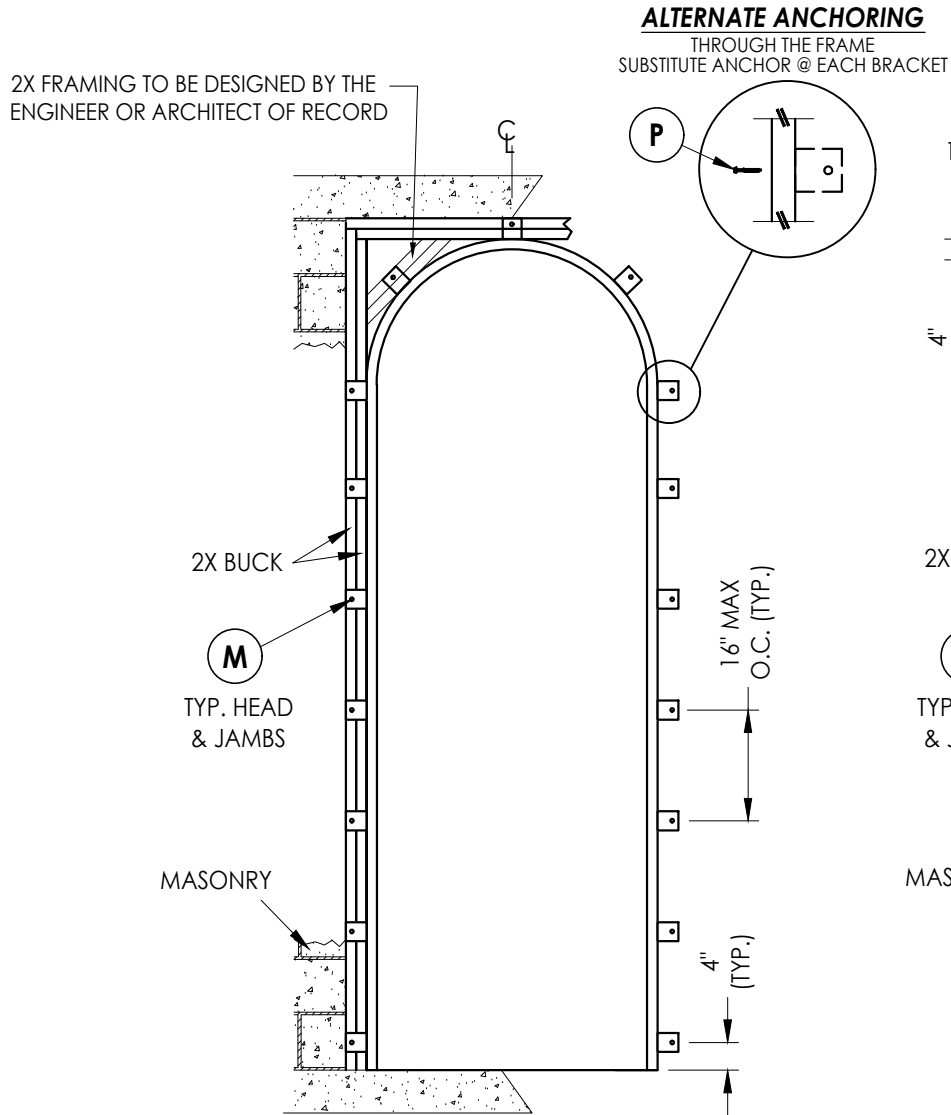
HORIZONTAL & VERTICAL CROSS SECTIONS

REVISIONS

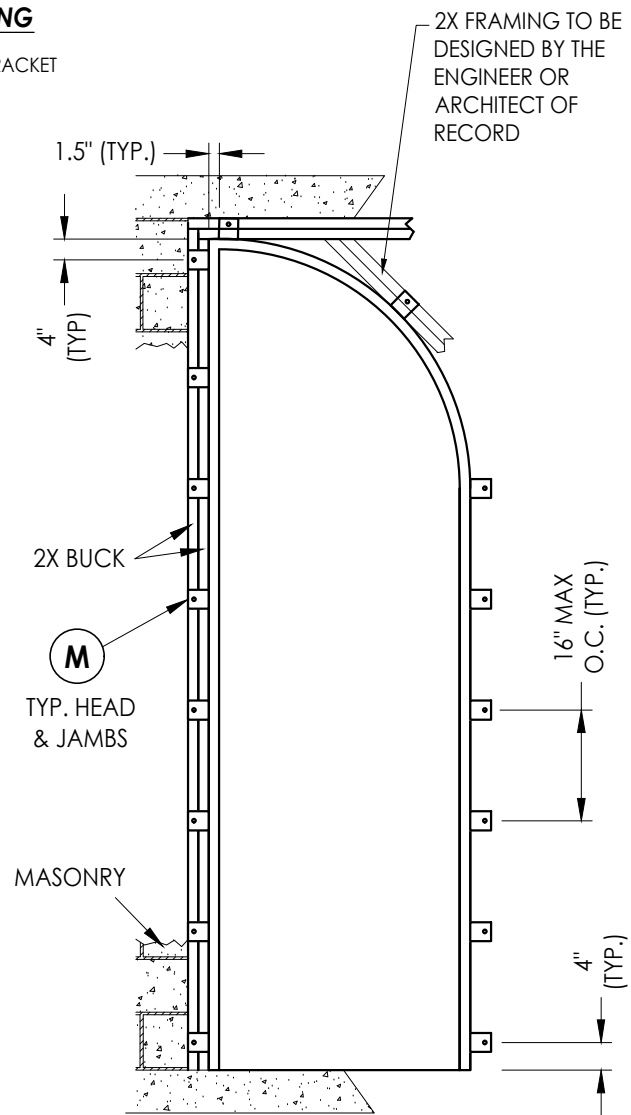
NO.	DATE	BY
4	7/05/23	LFS
3	9/09/20	LFS
2	8/30/17	LFS
1	8/17/15	LFS



BUCK ANCHORING
X

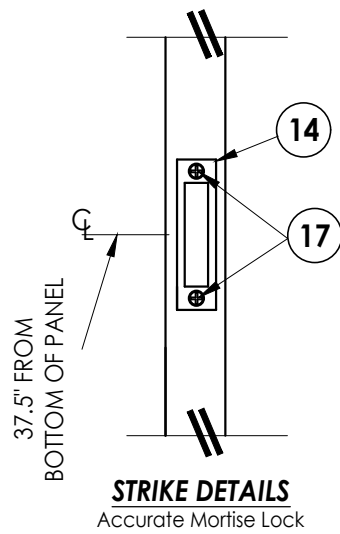


FRAME ANCHORING
X



STRIKE DETAILS

Emtek Lock & Deadbolt
Ashely Norton Lock & Deadbolt



STRIKE DETAILS

Accurate Mortise Lock

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"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"

- ### 1. 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.

NOTE FOR THROUGH THE FRAME ANCHORING ONLY
ONE 2X BUCK IS REQUIRED, ANCHORED AS SHOWN.

NO.	DATE					REVISIONS
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3	9/09/20	UPDATE TO 7TH ED. (2020)	FBC	LFS		
4	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		

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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16663.1

SHEET 4 OF 6

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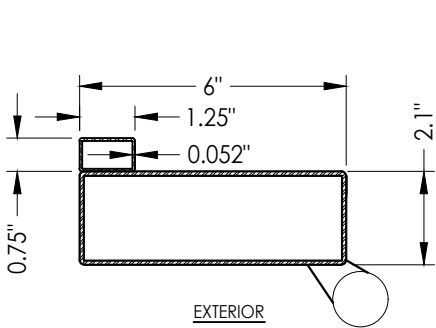
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Phone No.: 813.659.9197
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RW

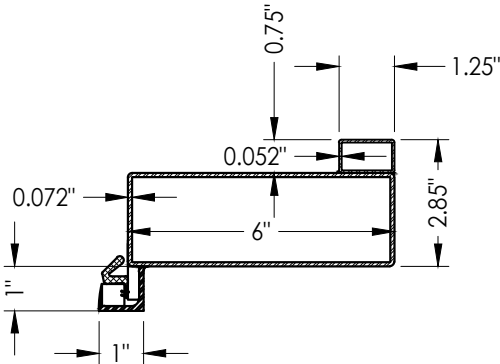
ASSEMBLY:
BUCK & FRAME
ANCHORING

REVISIONS

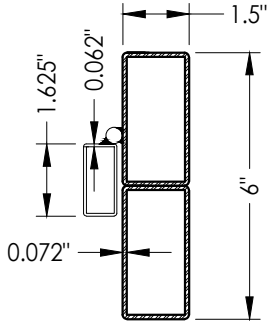
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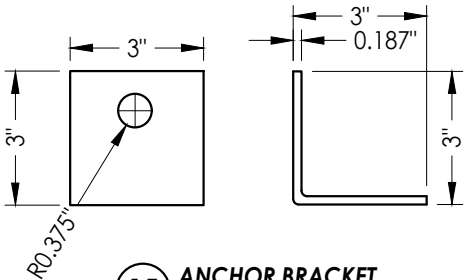
31 Full Lite Door Panel
Active Hinge Stile



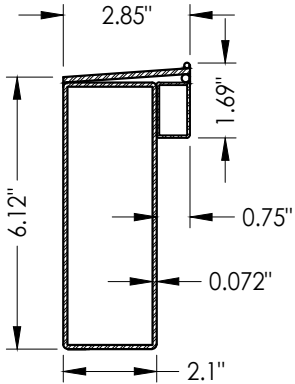
32 Full Lite Door Panel
Active Latch Stile



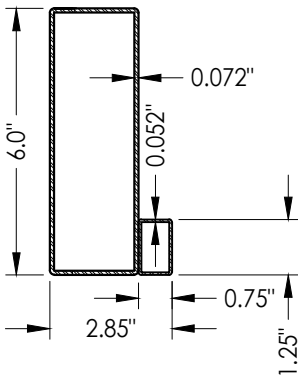
76 Jamb



15 ANCHOR BRACKET



43 Full Lite Door Panel
Bottom Rail



44 Full Lite Door Panel
Top Rail

DATE: 10/30/13

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FL-16663.1

SHEET 5 OF 6

PRODUCT:
CLARK HALL IRON DOORS

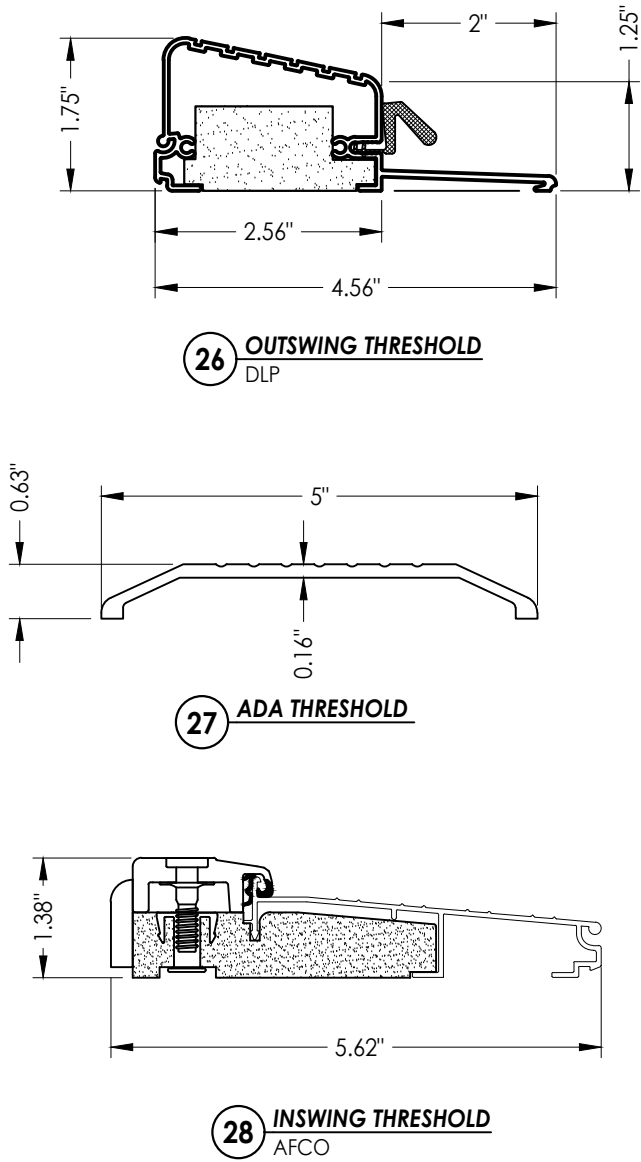
PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
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		BY

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FBPE Registry No. 9813

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 - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 3" PFH WOOD SCREW	STEEL
L	5/16-18 X 1-1/2" HH BOLT (GR. 5) w/ LOCK WASHER & NUT	STEEL
M	3/8" X 3" HH LAG SCREW (2-3/4" MIN. EMBEDMENT)	STEEL
P	#12 X 1-1/2" HWH SMS (1-3/16" MIN. EMBEDMENT)	STEEL
1	SASH LATCH STRIKE	STEEL
2	SASH LATCH	STEEL
3	#8 X 1/4" PFH SMS	STEEL
4	WEATHERSTRIP (QLON)	FOAM
11	LATCH STRIKE PLATE	STEEL
12	#8 X 3/4" PFH SMS	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	MORTISE LOCK STRIKE PLATE	STEEL
15	ANCHORING BRACKET	STEEL
17	#12-24 X 13/16" PFH COMBINATION WOOD/MACHINE SCREW	STEEL
20	FLIP BOLT	STEEL
25	#6 X 1/2" PWH SELF TAPPING SMS	STEEL
26	OUTSWING THRESHOLD (DLP)	ALUM/COMP
27	ADA THRESHOLD	ALUM
28	INSWING THRESHOLD (AFCO)	ALUM/COMP
29	DOOR SWEEP (w/ #8 x 3/4" SMS)	-
30	DOOR PANEL (FULL LITE)	-
31	HINGE STILE (ACTIVE DOOR)	ASTM A36 STEEL
32	LATCH STILE (ACTIVE DOOR)	ASTM A36 STEEL
43	BOTTOM RAIL (FULL LITE)	ASTM A36 STEEL
44	TOP RAIL (FULL LITE)	ASTM A36 STEEL
45	DOOR PANEL HINGE	STEEL
60	SASH LITE FRAME	STEEL
61	SASH HINGE	STEEL
76	JAMB	ASTM A36 STEEL



DATE: 10/30/13		SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS		DRAWING NO.: FL-16663.1		SHEET 6 OF 6	
NO.		DATE		REVISONS		BY		LFS		LFS	
1		8/17/15		UPDATE TO 5TH ED. (2014)		FBC		LFS		LFS	
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PART OR ASSEMBLY:		BILL OF MATERIALS & 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											