

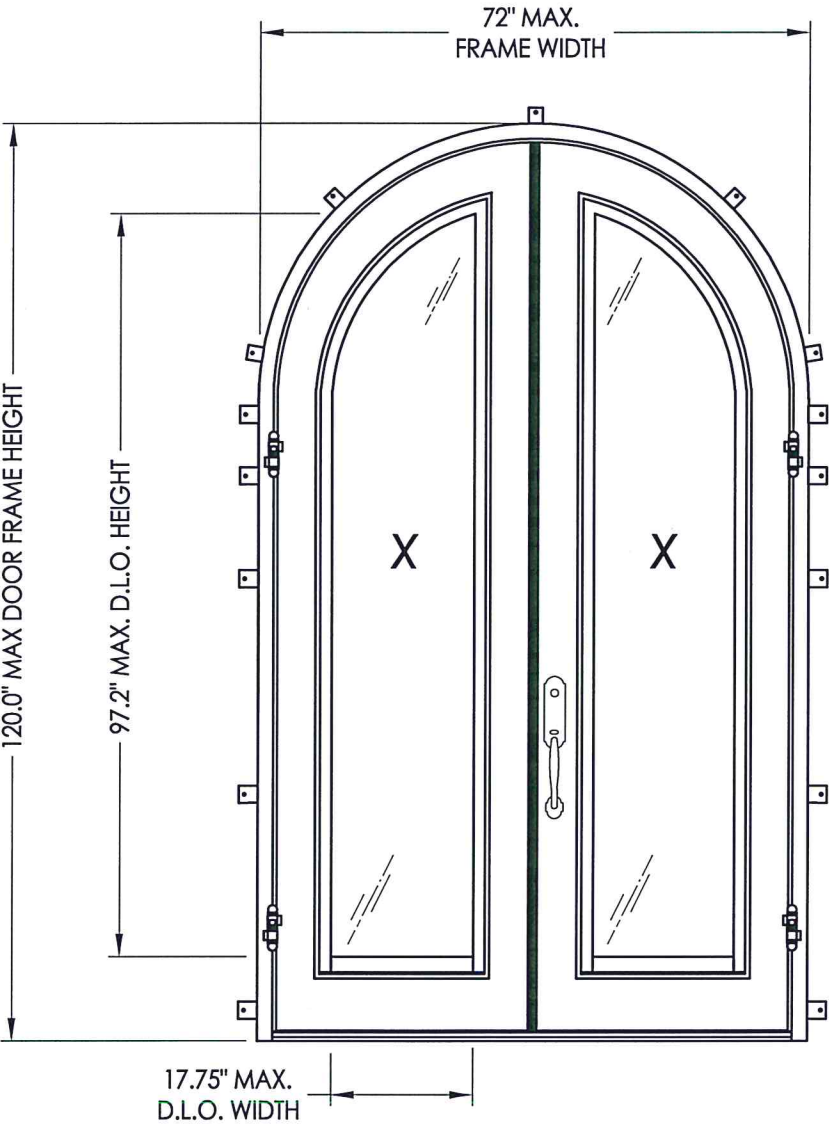


GLAZED IRON DOUBLE DOOR
(Arch Top)
INSWING/OUTSWING
"NON-IMPACT"

GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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 of the FBC.
- 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	Bill of materials & components



CONFIGURATION	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)			
		INSWING		OUTSWING	
		POS.	NEG.	POS.	NEG.
XX	72.0" x 120.0"	+60.0	-80.0	+60.0	-60.0

FLORIDA

REGISTERED PROFESSIONAL ENGINEER

LYNDON F. SCHMIDT

FLORIDA LICENSE NO. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

FLORIDA

REGISTERED PROFESSIONAL ENGINEER

LYNDON F. SCHMIDT

FLORIDA LICENSE NO. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

FLORIDA

REGISTERED PROFESSIONAL ENGINEER

LYNDON F. SCHMIDT

FLORIDA LICENSE NO. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

FLORIDA

REGISTERED PROFESSIONAL ENGINEER

LYNDON F. SCHMIDT

FLORIDA LICENSE NO. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

FLORIDA

REGISTERED PROFESSIONAL ENGINEER

LYNDON F. SCHMIDT

FLORIDA LICENSE NO. 43409

October 14, 2020

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

October 14, 2020

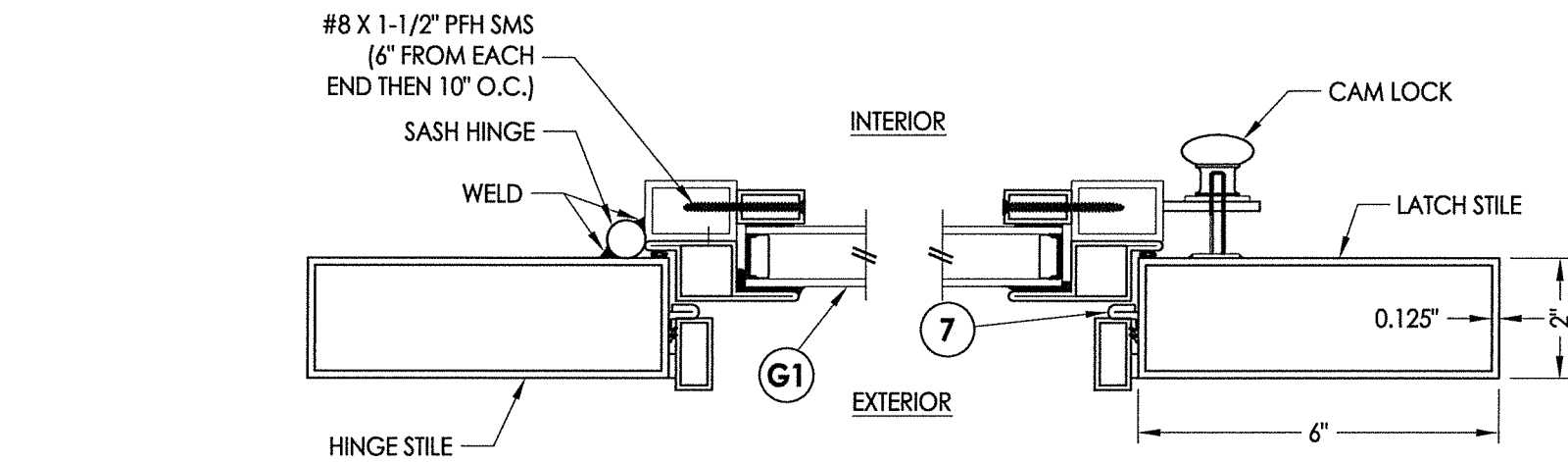
Documents Prepared By:

Lyndon F. Schmidt

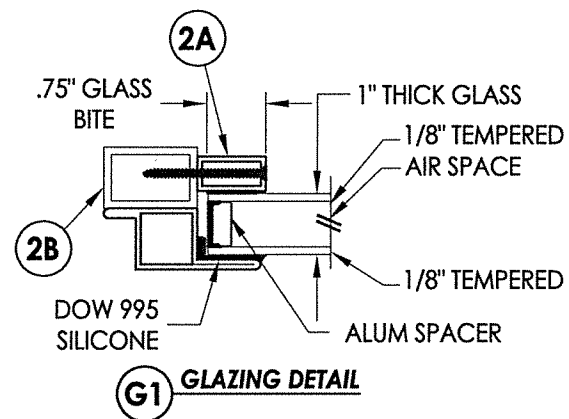
P.E. No. 43409

PRODUCT: IRON DOORS		PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
DATE: 8/06/20		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-32651.3		SHEET 1 OF 5	
NO. DATE		REVISIONS	
1 10/14/20 UPDATE TO 7TH ED. (2020) FBC			
RW BY			

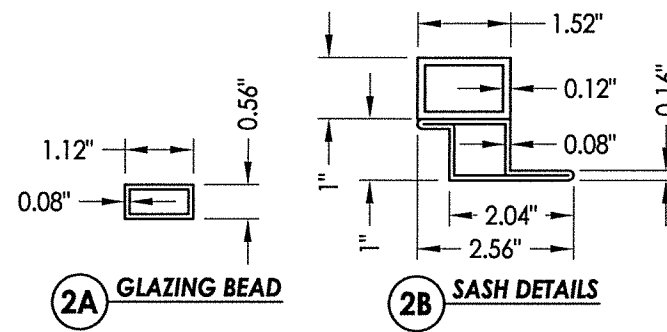
\\dc01\wbc\Clients\Portal Elegance\A - Florida Product Approvals\FL-32651 (2020)\FL-32651.1-4.dwg



1
2 HORIZONTAL CROSS SECTION

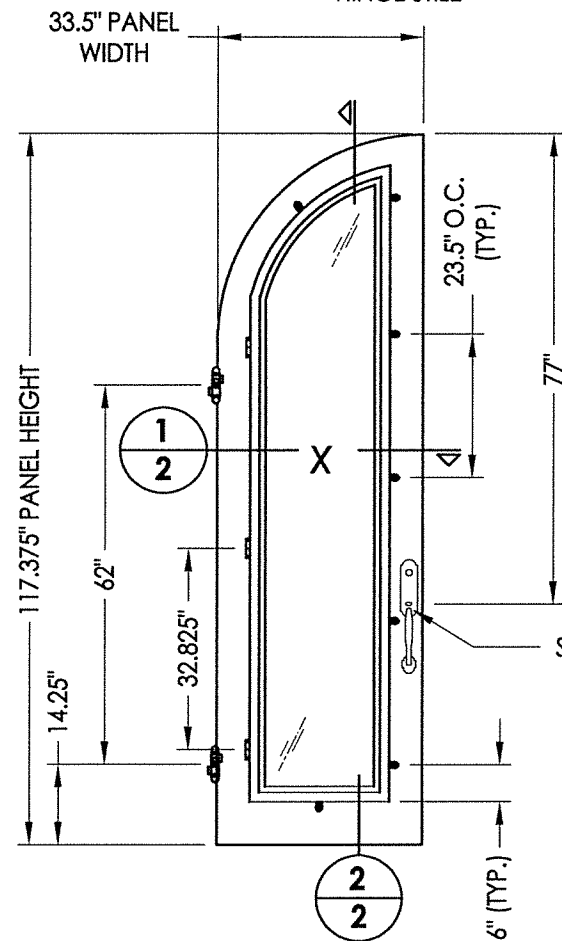


G1 GLAZING DETAIL

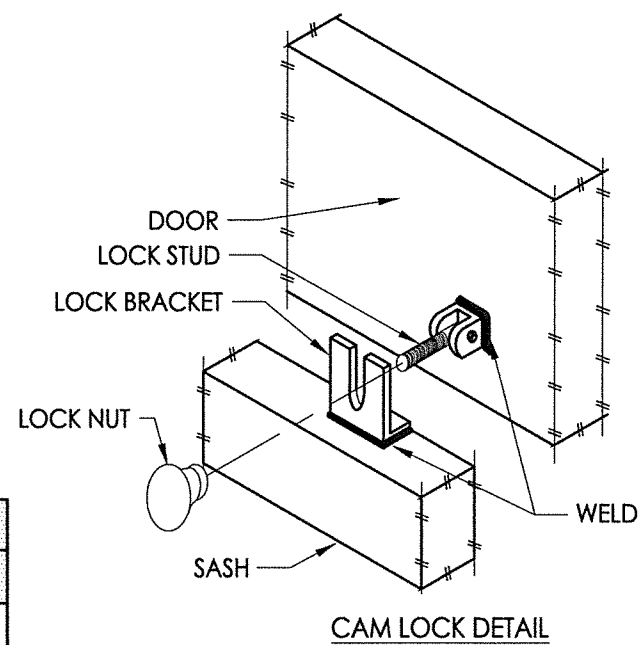


2A GLAZING BEAD

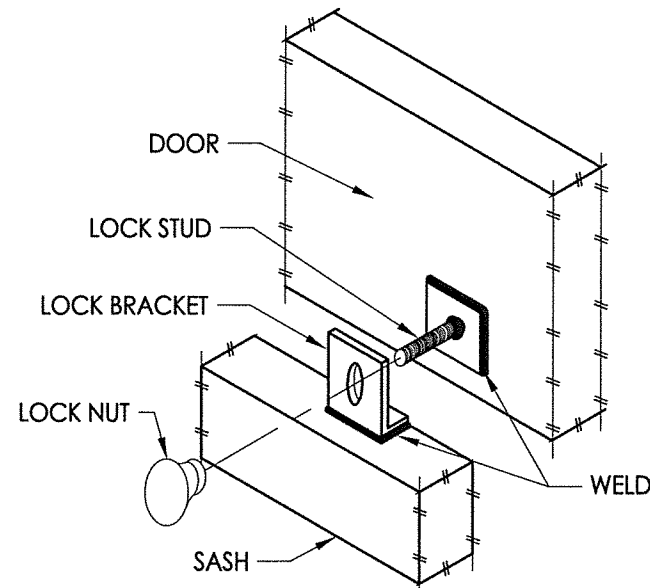
2B SASH DETAILS



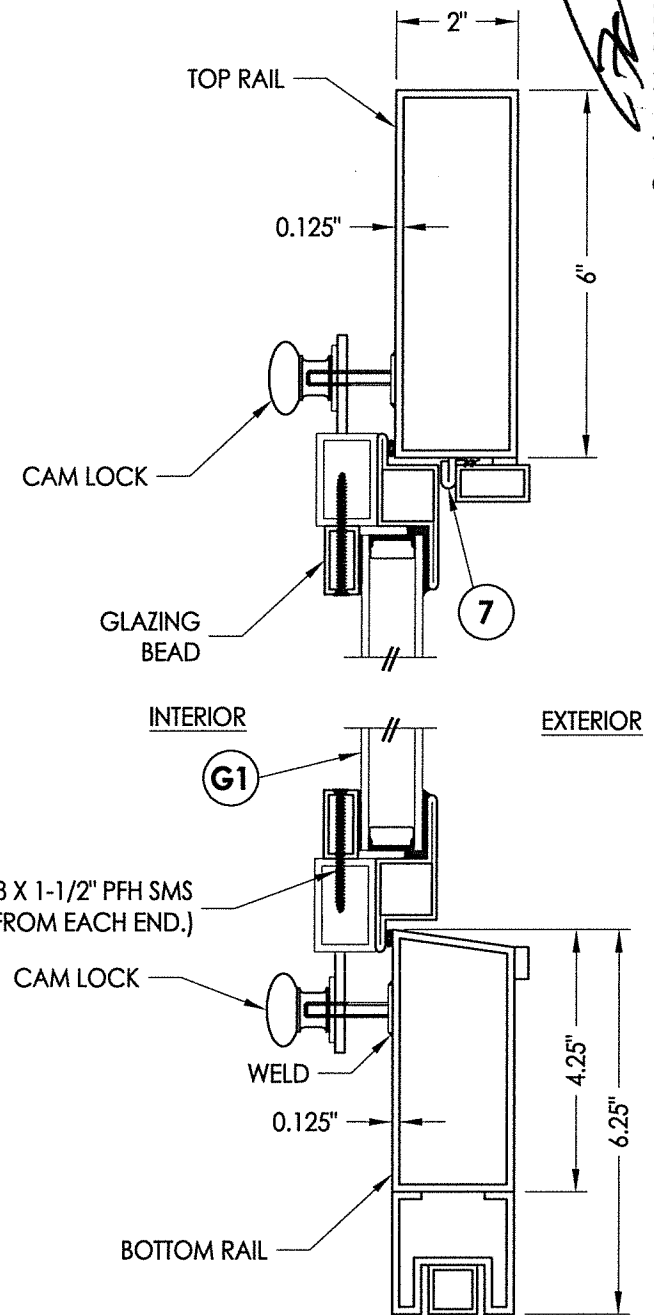
40 DOOR PANEL



CAM LOCK DETAIL

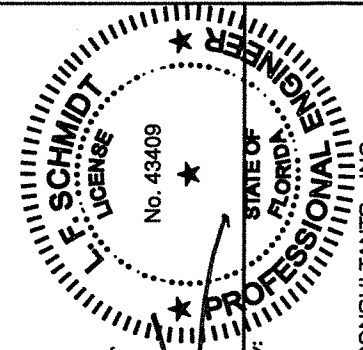


SASH LOCK DETAIL
OPTIONAL



2
2 VERTICAL CROSS SECTION

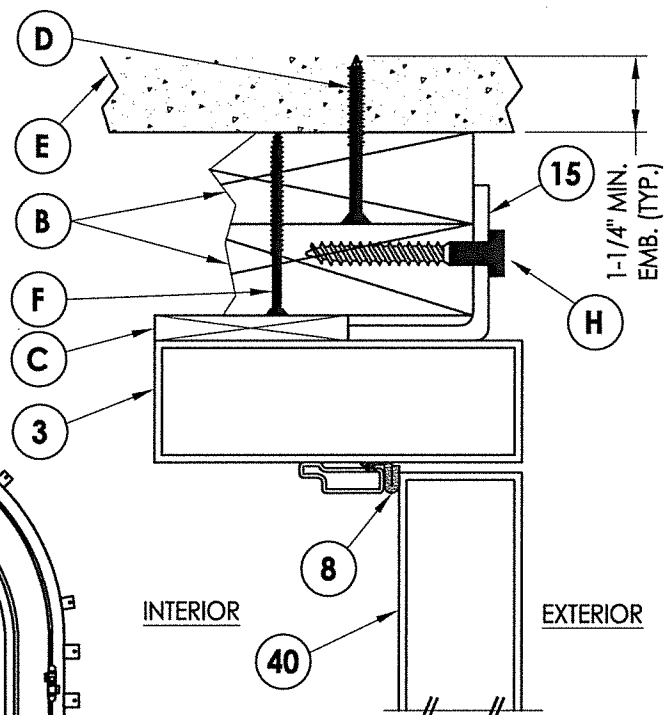
HARDWARE TABLE	
MANUFACTURER	MODEL
BALDWIN	HANDLESET (ESTATE SERIES)



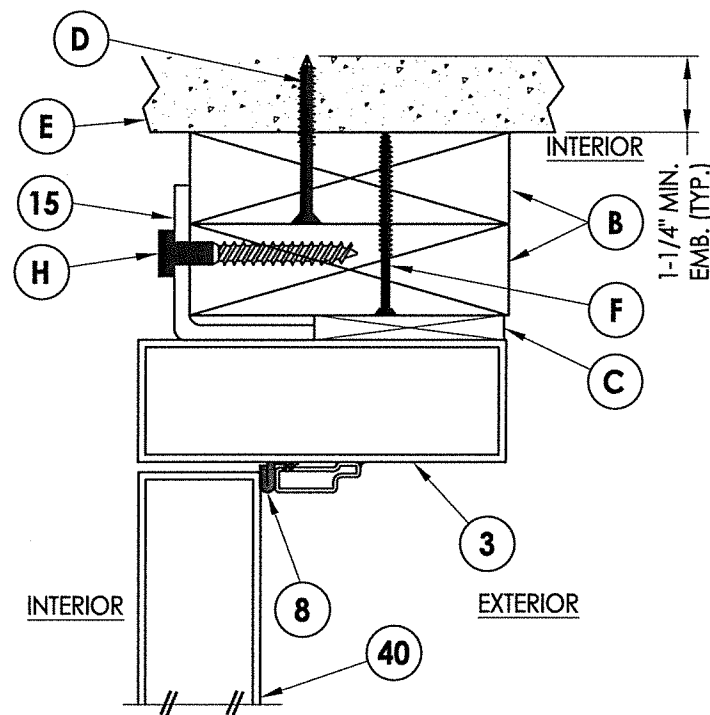
October 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

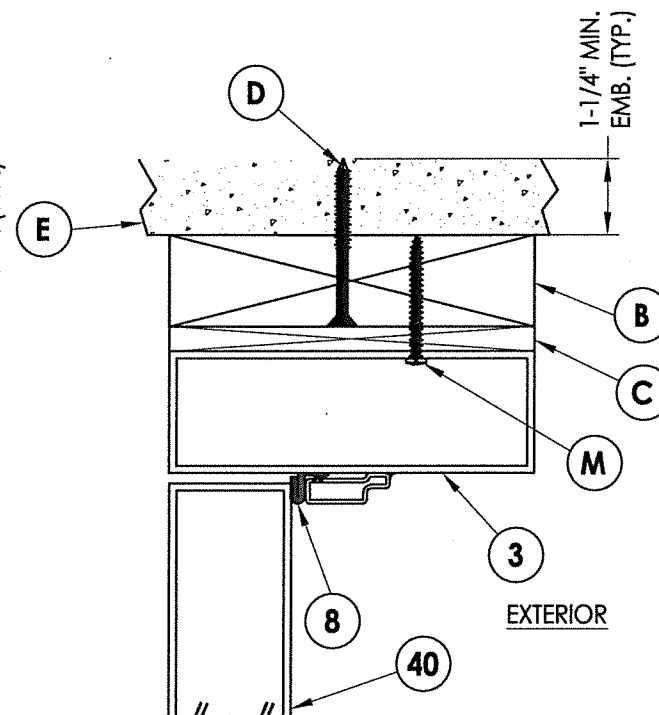
PRODUCT: IRON DOORS		PART OR ASSEMBLY: DOOR PANEL DETAILS & GLAZING DETAILS	
DATE: 8/06/20		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-32651.3		SHEET 2 OF 5	
NO. DATE		REVISIONS	
1 10/14/20 UPDATE TO 7TH ED. (2020) FBC		RW BY	



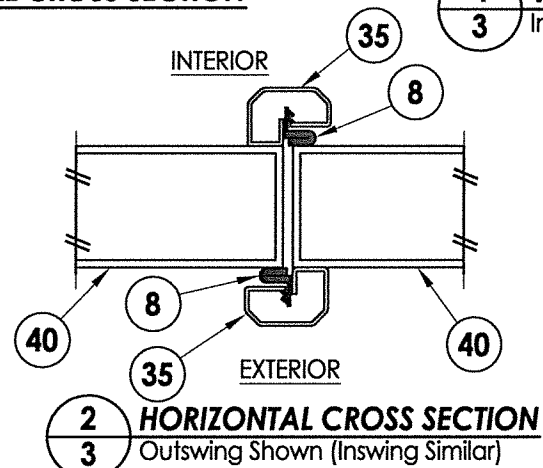
3 VERTICAL CROSS SECTION
3 Outswing



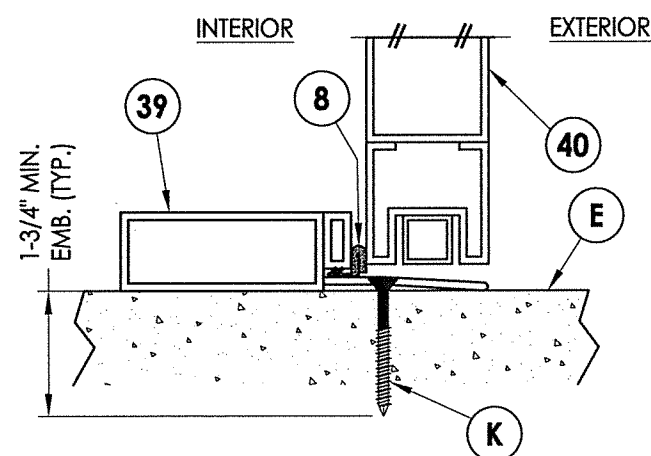
4 VERTICAL CROSS SECTION
3 Inswing



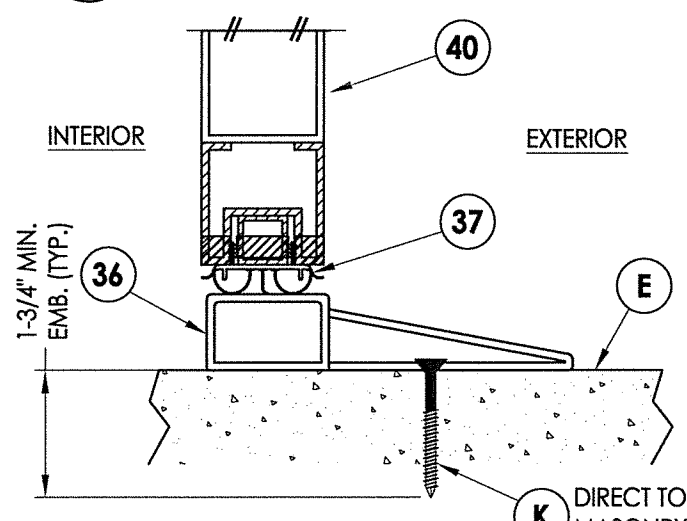
7 **HORIZONTAL CROSS SECTION**
3 Inswing Shown (Inswing Similar)
2X Buck Masonry Anchoring



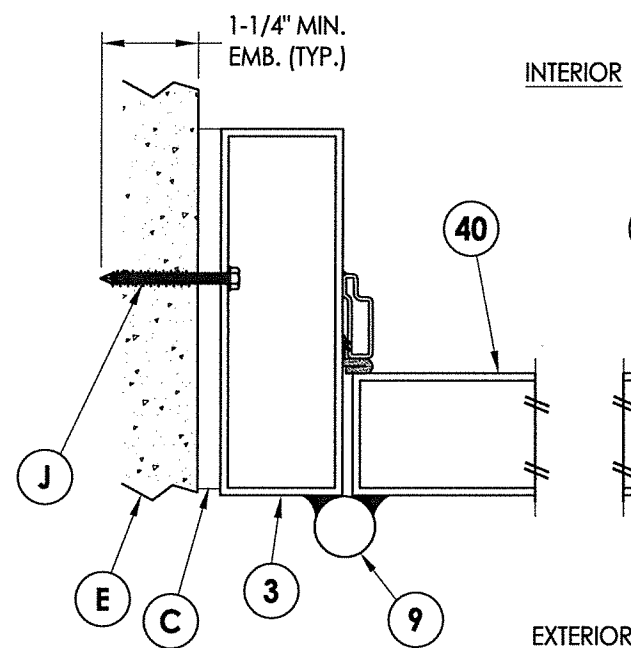
2 HORIZONTAL CROSS SECTION
3 Outswing Shown (Inswing Similar)



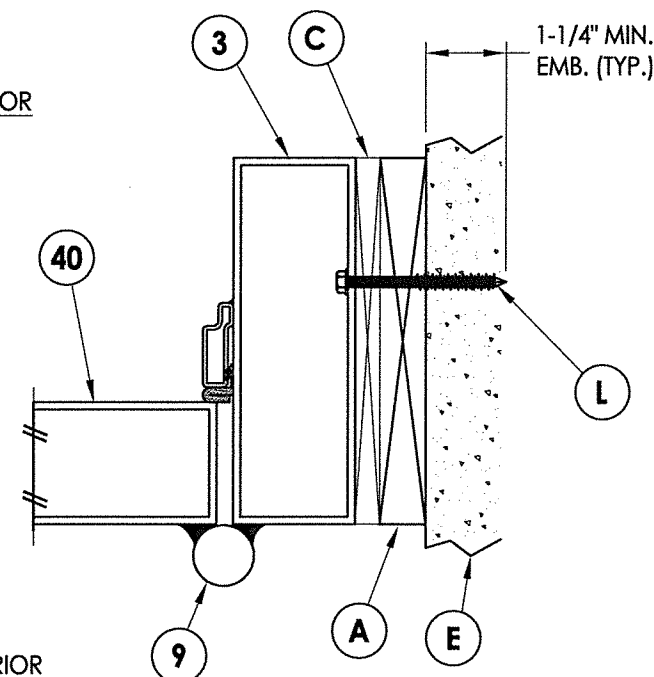
5 VERTICAL CROSS SECTION
3 Outswing



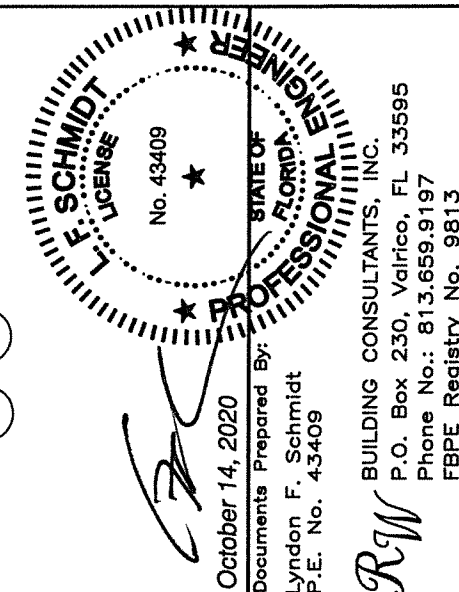
6 **VERTICAL CROSS SECTION**
3 Inswing



1 **HORIZONTAL CROSS SECTION**
3 Outswing Shown (Inswing Similar)
 Direct to Masonry Anchoring

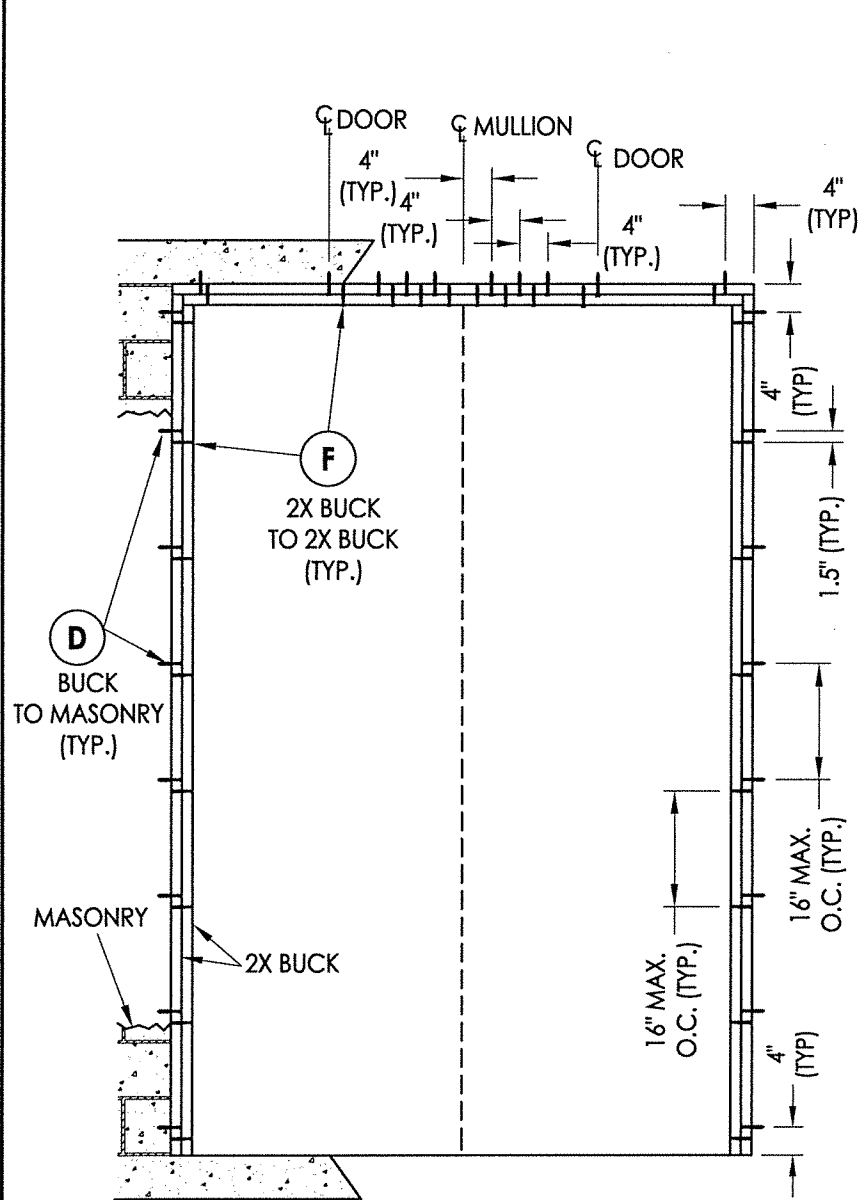


8 **HORIZONTAL CROSS SECTION**
3 Outswing Shown (Inswing Similar)
1X Buck Masonry Anchoring

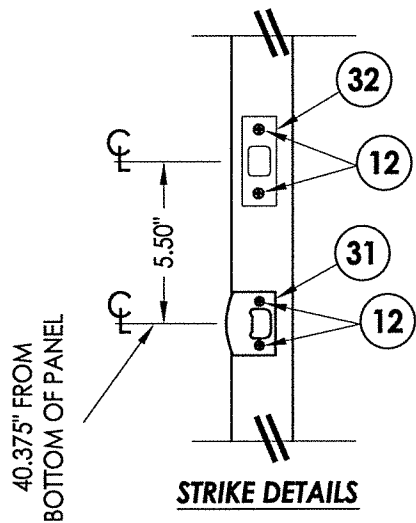


PRODUCT:		IRON DOORS	
PART OR ASSEMBLY:		HORIZONTAL AND VERTICAL CROSS SECTIONS	
1	10/14/20	UPDATE TO 7TH ED. (2020)	FBC
NO.	DATE		BY
REVISIONS			
DATE: 8/06/20			
SCALE: N.T.S.			
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.: FL-32651.3			
SHEET 3		OF 5	

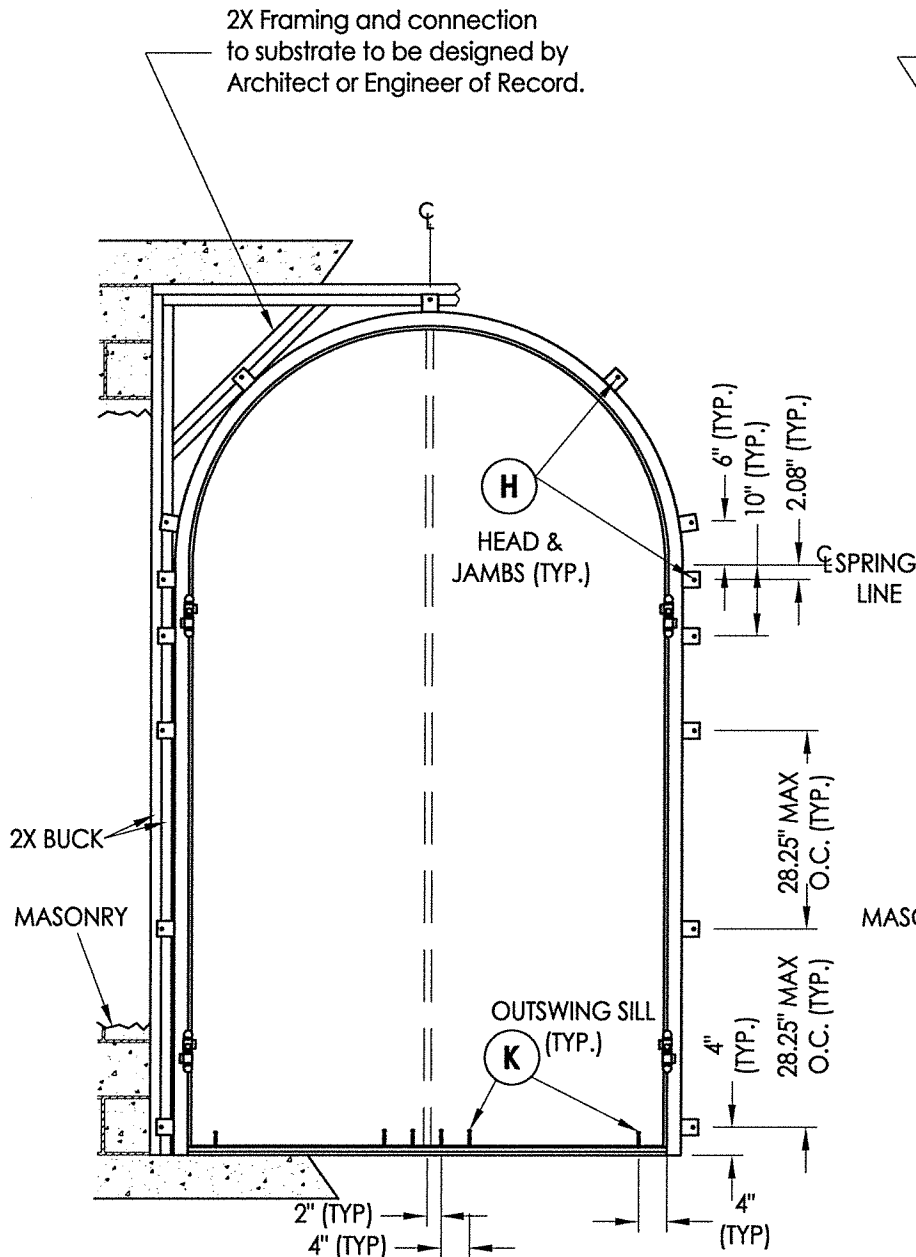
\\dc01\wbc\clients\Portal Elegance\A - Florida Product Approvals\FL-32651 (2020)\FL-32651.1-4.dwg



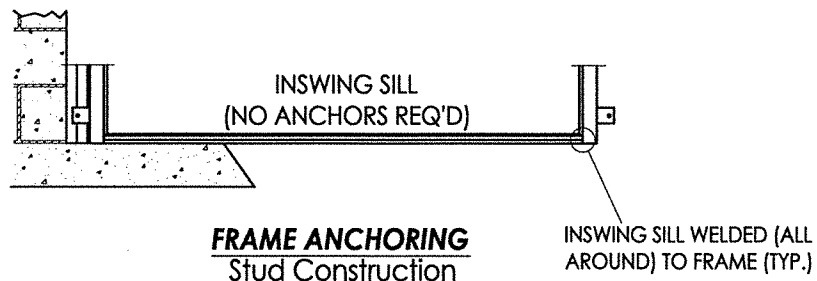
BUCK ANCHORING
Double Buck Shown
(Single Buck Similar)



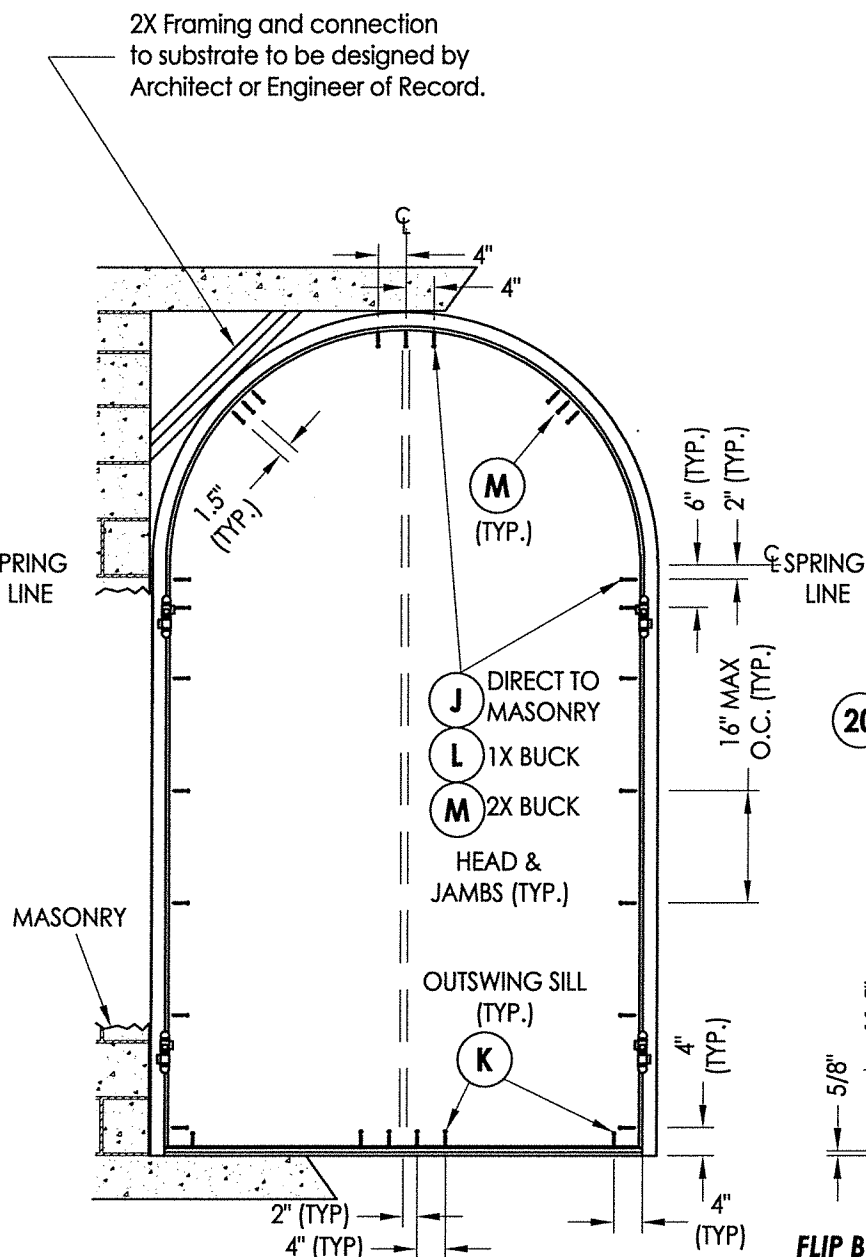
STRIKE DETAILS



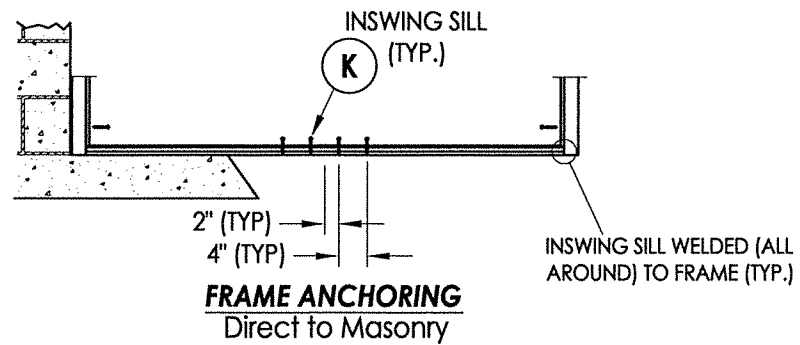
FRAME ANCHORING
Stud Construction



FRAME ANCHORING
Stud Construction

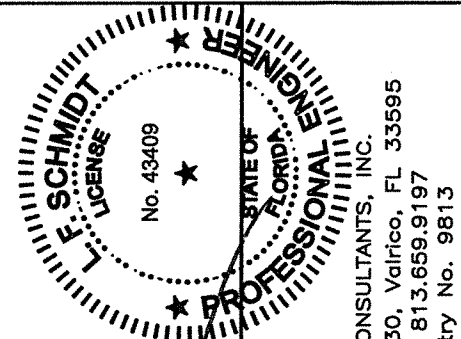
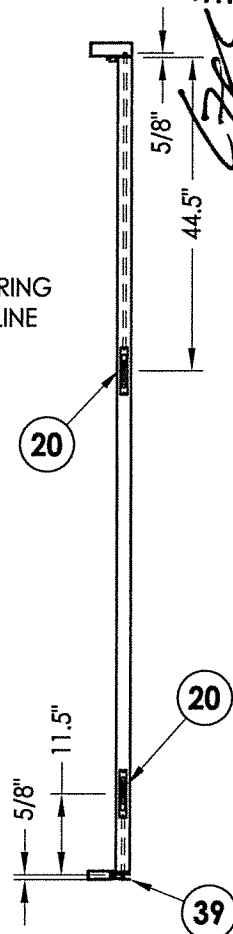


FRAME ANCHORING
Direct to Masonry, 2X Buck, 1X Buck
Thru-the-Frame Anchoring



FRAME ANCHORING
Direct to Masonry

FLIP BOLT DETAILS



October 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		PART OR ASSEMBLY:	
IRON DOORS		BUCK & FRAME ANCHORING	
NO.	DATE	BY	REVISIONS
1	10/14/20	RW	UPDATE TO 7TH ED. (2020) FBC
DATE: 8/06/20			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-32651.3			
SHEET 4 OF 5			

\\dc01\wbc\clients\Portal Elegance\A - Florida Product Approvals\FL-32651\C - Drawings\FL-32651.1-4.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	WOOD
C	3/8" MAX. SHIM SPACE	-
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
G	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	3/8" X 3" HWH LAG SCREW (2-1/2" MIN. EMBEDMENT)	STEEL
J	1/4" X 1-3/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" HWH ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
L	1/4" X 3-1/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
M	#12 X 2" PH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
3	FRAME	STEEL
4	GLAZING BEAD	STEEL
5	#8 X 1-1/4" PFH SELF-DRILLING SMS	STEEL
7	WEATHERSTRIP GASKET (.5")	FOAM
8	WEATHERSTRIP GASKET (.67")	FOAM
9	DOOR HINGE	STEEL
12	#8 X 3/4" PFH SELF-DRILLING SMS	STEEL
15	ANCHORING BRACKET	STEEL
20	FLIP BOLT	-
25	#10 X 1-1/2" HH SELF-DRILLING SMS	STEEL
31	LATCH STRIKE PLATE	STEEL
32	DEADBOLT STRIKE PLATE	STEEL
35	ASTRAGAL	STEEL
36	THRESHOLD	STEEL
37	DOOR SWEEP	PVC
39	THRESHOLD	STEEL
40	DOOR PANEL	STEEL

All Door Component Steel: ASTM A36

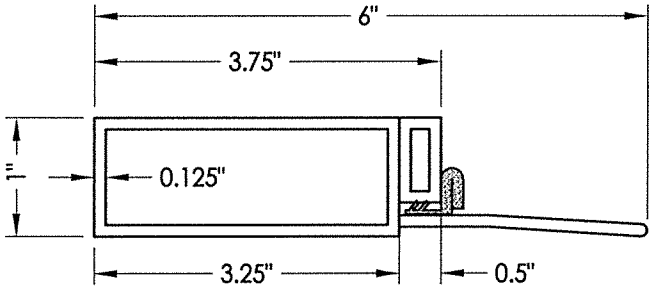
CONCRETE ANCHOR NOTES:

- 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:

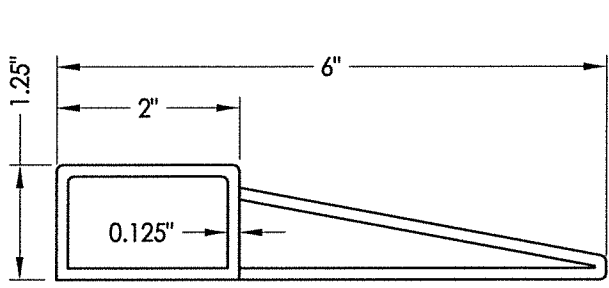
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"

WOOD SCREW INSTALLATION NOTES:

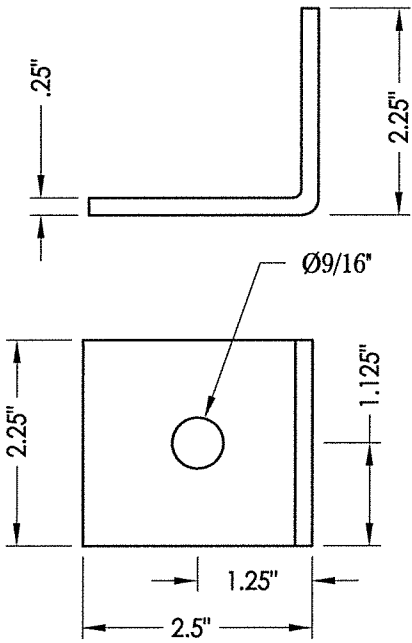
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



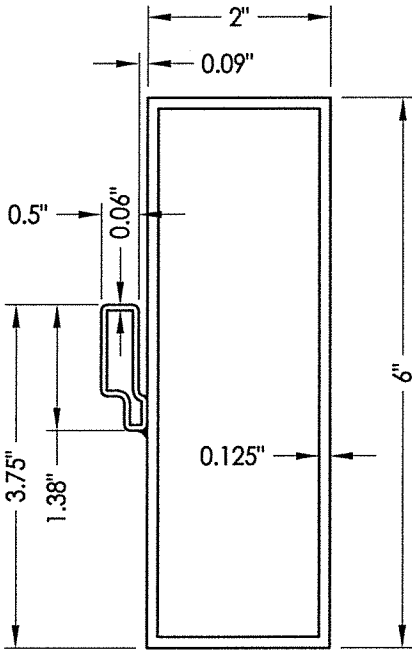
39 THRESHOLD
Outswing



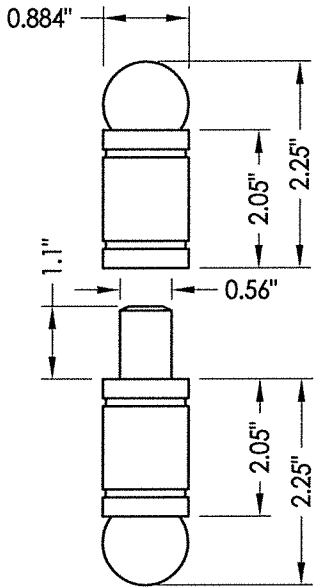
36 THRESHOLD
Inswing



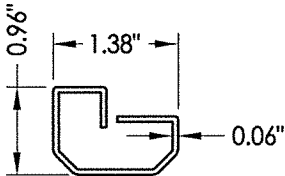
15 ANCHORING BRACKET



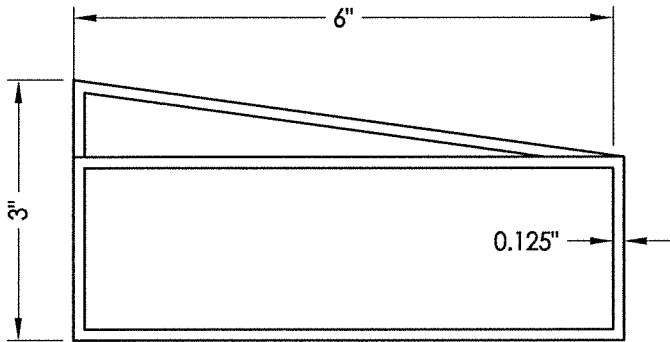
3 FRAME



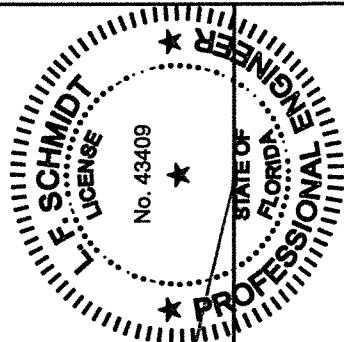
9 HINGE



35 ASTRAGAL



2 TRANSOM SILL



October 14, 2020
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:		IRON DOORS	
PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS	
DATE:	8/06/20	SCALE:	N.T.S.
DWG. BY:	JK	CHK. BY:	LFS
DRAWING NO.:	FL-32651.3	SHEET	5 OF 5
NO.	1	DATE	10/14/20
BY	RW	DATE	10/14/20
REVISIONS	UPDATE TO 7TH ED. (2020) FBC	DATE	10/14/20