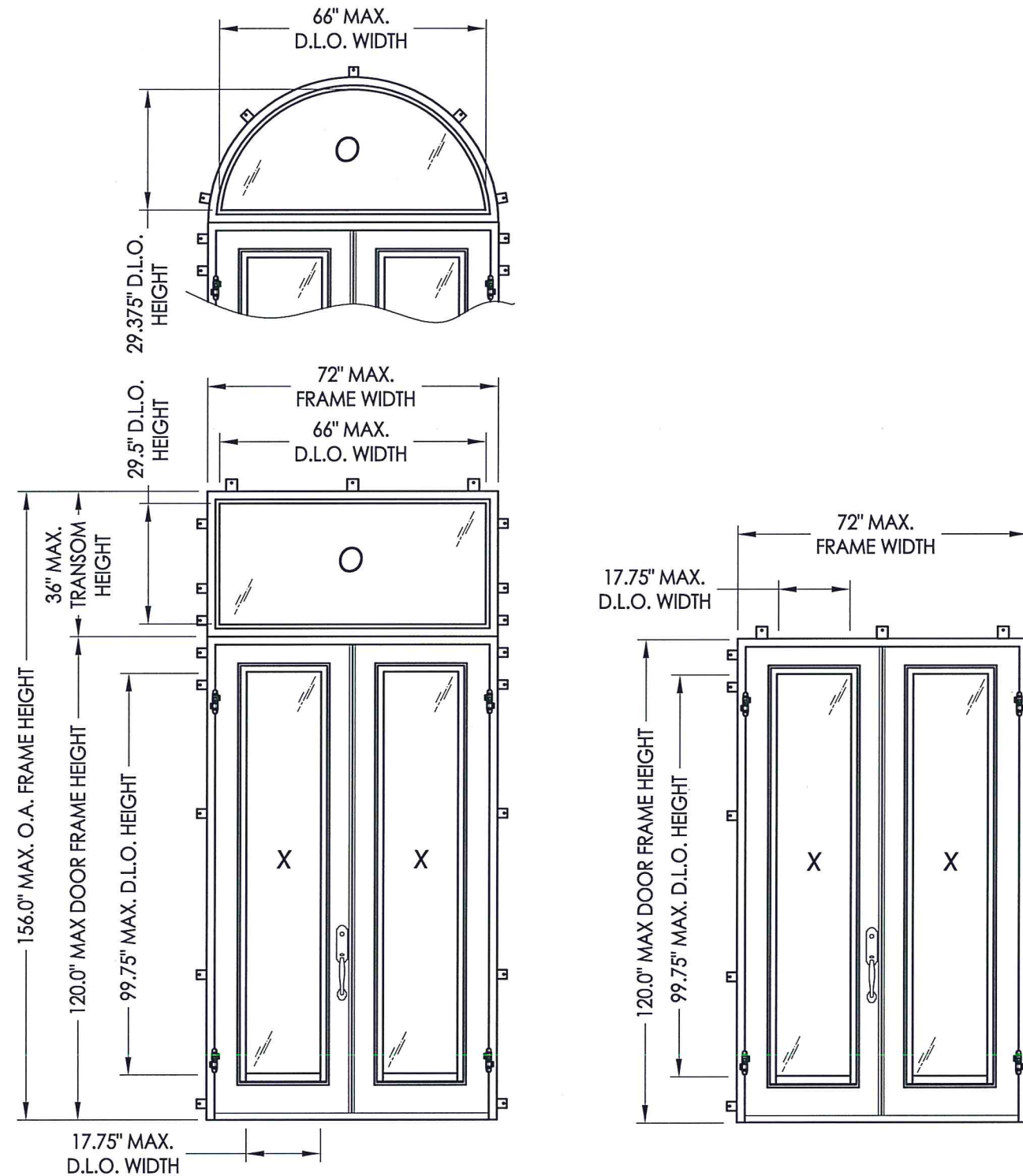


PORTAL
E L E G A N C E

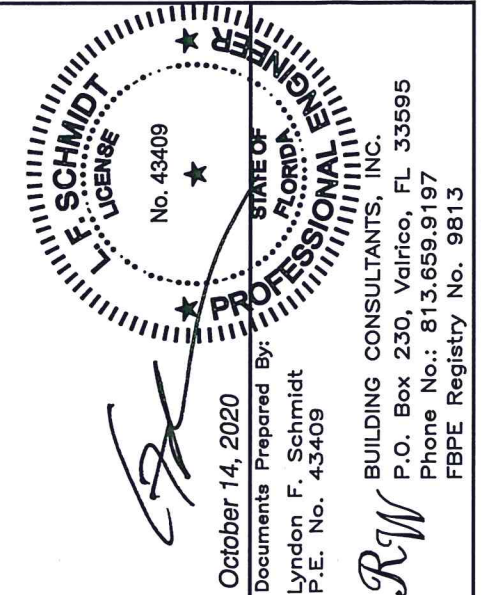
**GLAZED IRON DOUBLE DOOR
w/ & w/out TRANSOM
INSWING/OUTSWING
"NON-IMPACT"**

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.

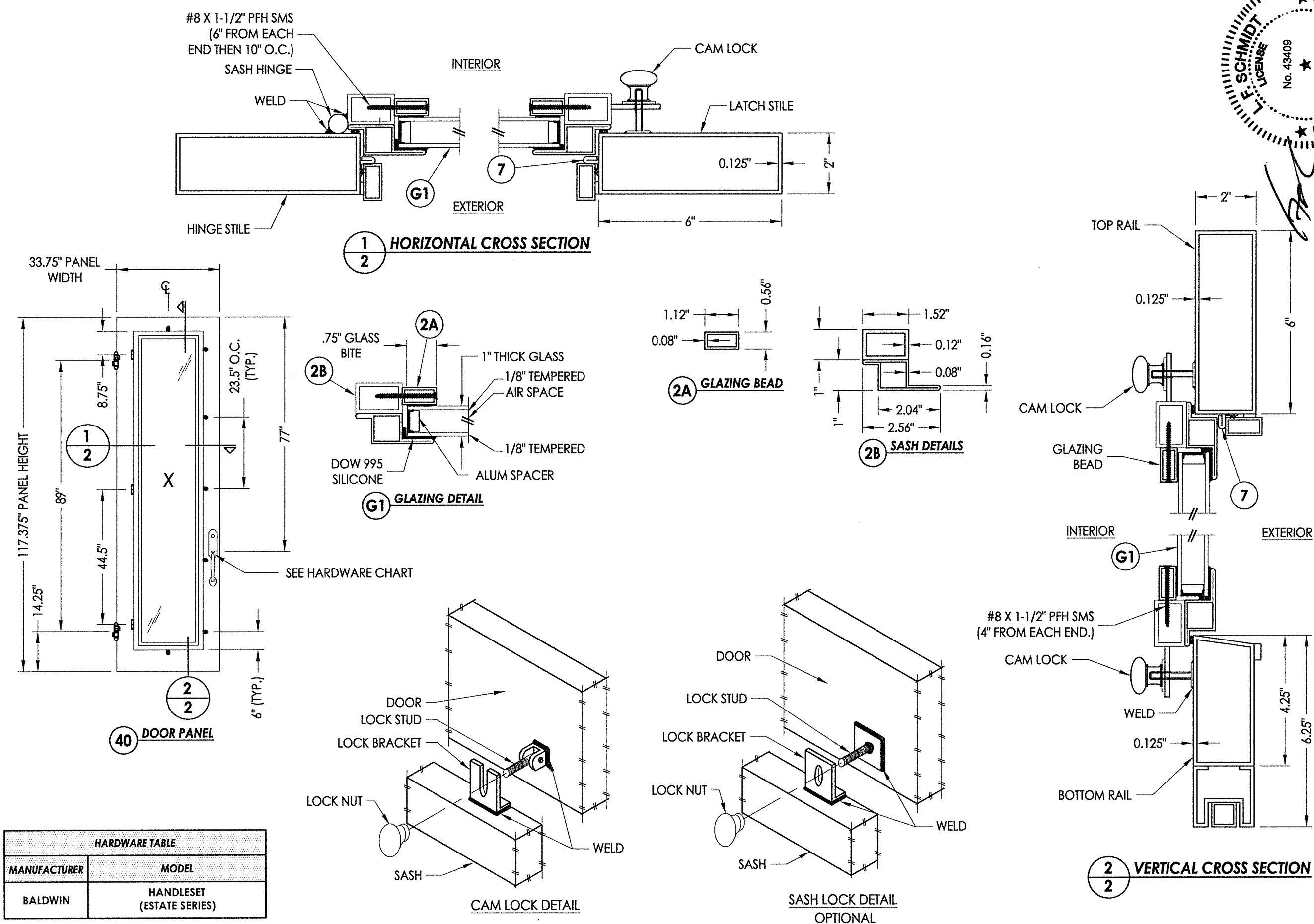
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Door panel details & glazing details
3	Elevations
4	Horizontal & vertical cross sections
5	Vertical cross sections
6	Buck & frame anchoring (XX)
7	Buck & frame anchoring (O/XX)
8	Bill of materials & components



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
$\frac{O}{XX}$	72.0" x 156.0"	+60.0	-80.0	+60.0	-60.0

[illegible]

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



HARDWARE TABLE	
MANUFACTURER	MODEL
BALDWIN	HANDLESET (ESTATE SERIES)

FL SCHMIDT
LICENSE
No. 43409

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

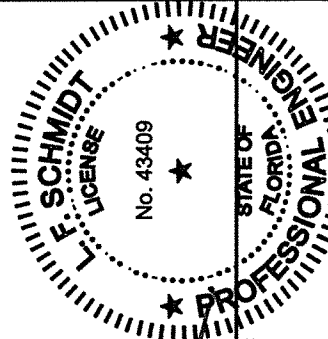
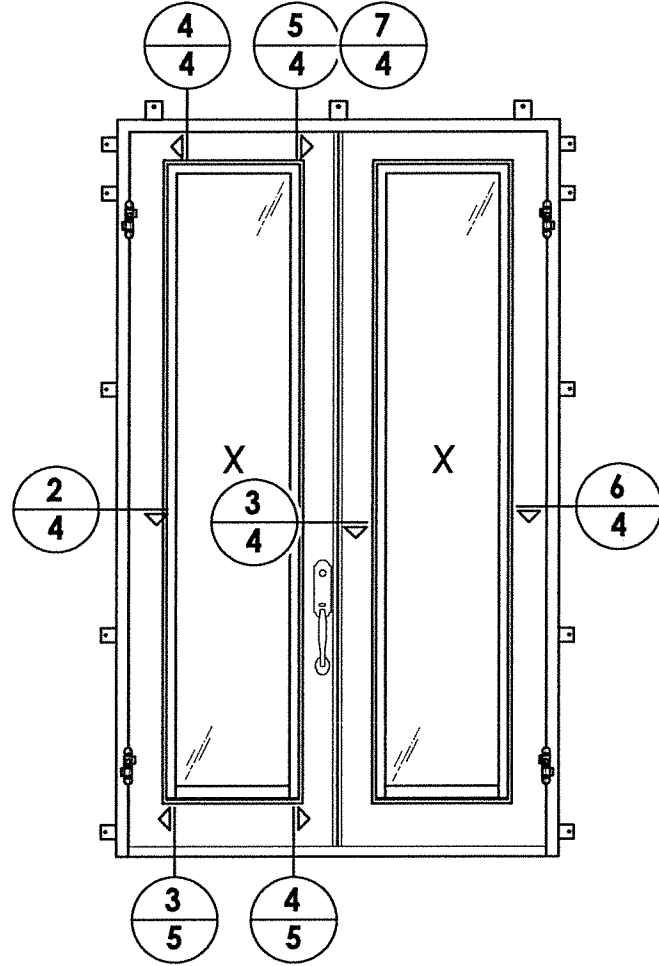
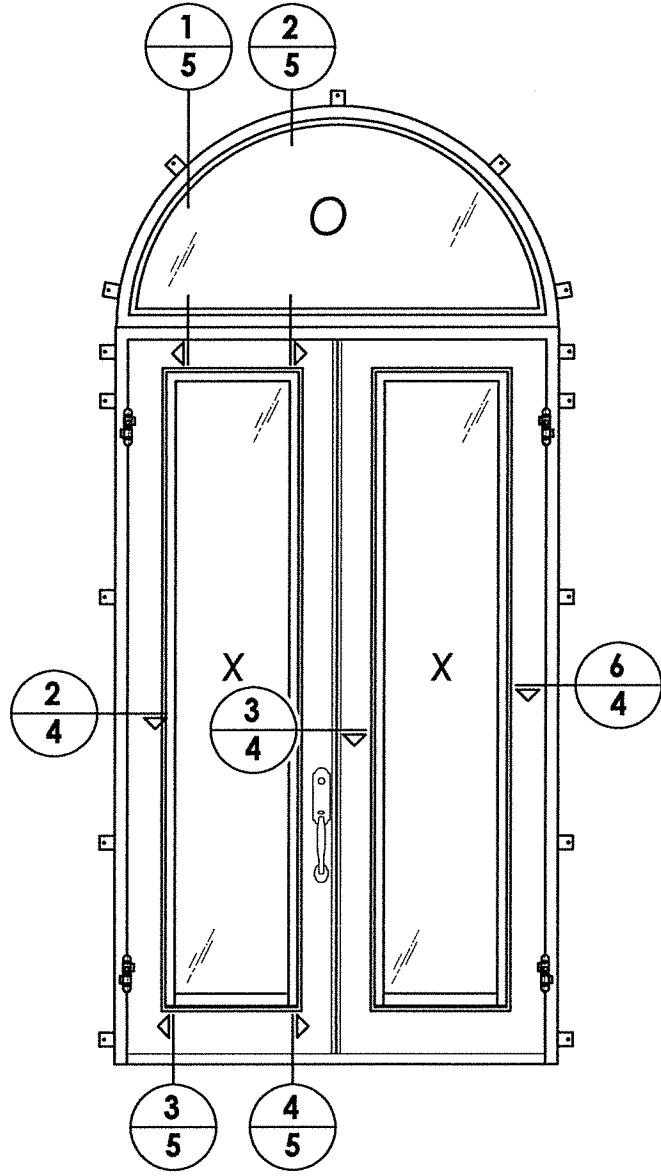
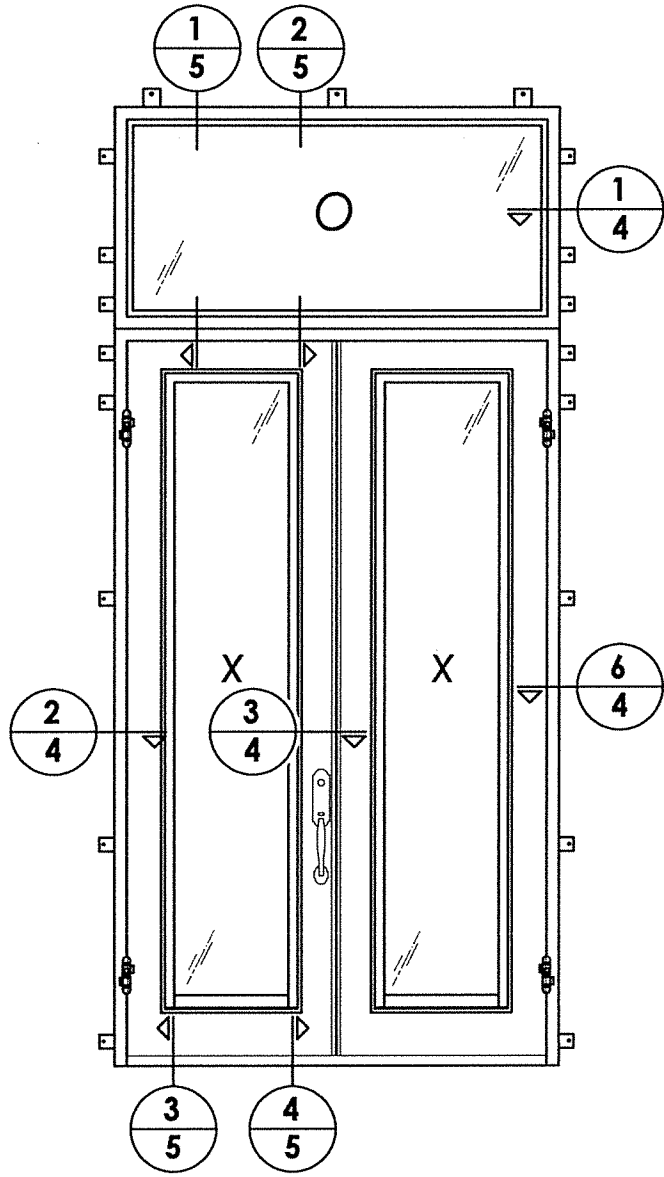
October 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW

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	
		NO.	DATE
		1	10/14/20
		BY	FBC
		REVISIONS	
DATE: 8/06/20		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-32651.4		SHEET 2 OF 8	

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



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

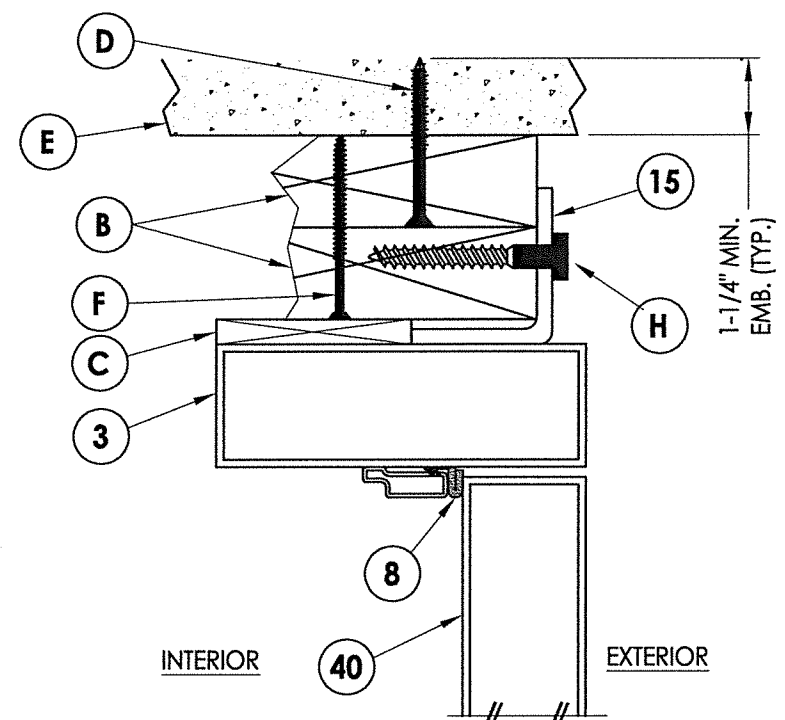
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: IRON DOORS

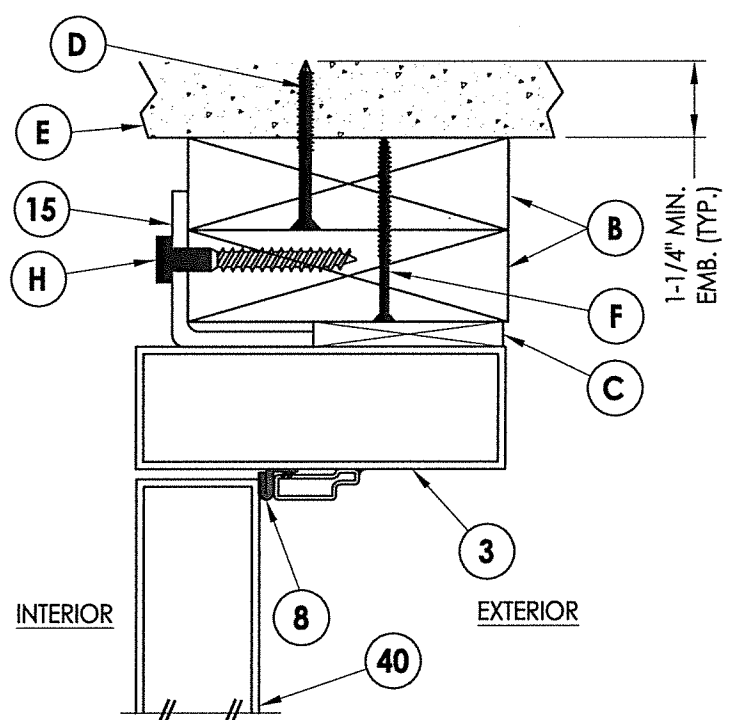
PART OR ASSEMBLY: ELEVATIONS

DATE: 8/06/20
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-32651.4
SHEET 3 OF 8

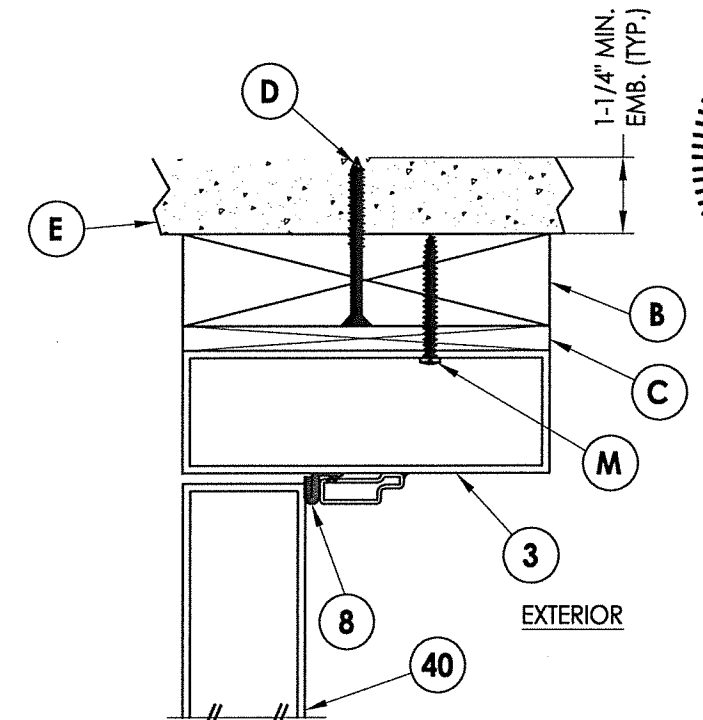
REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	10/14/20	RW	UPDATE TO 7TH ED. (2020) FBC



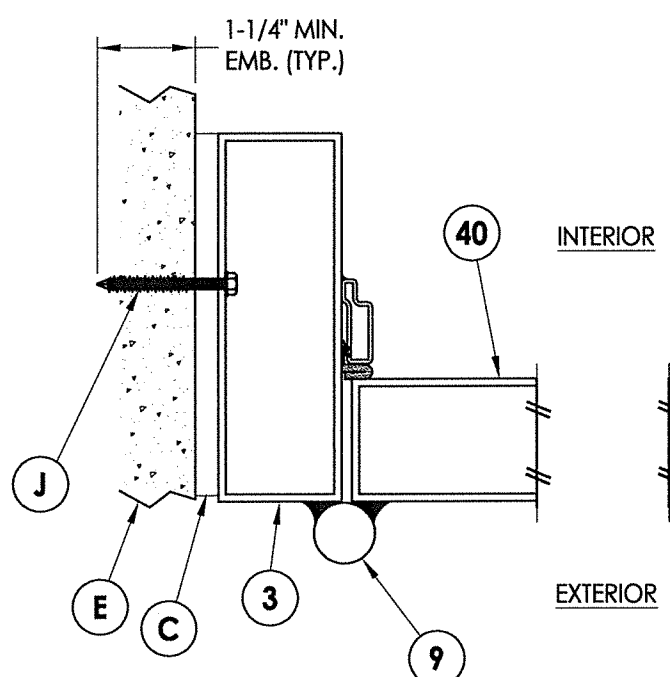
4 VERTICAL CROSS SECTION
4 Outswing



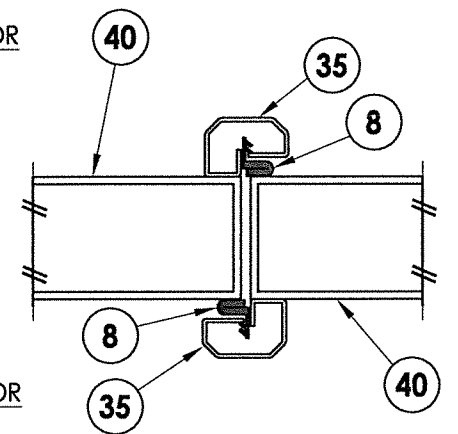
5 VERTICAL CROSS SECTION
4 Inswing



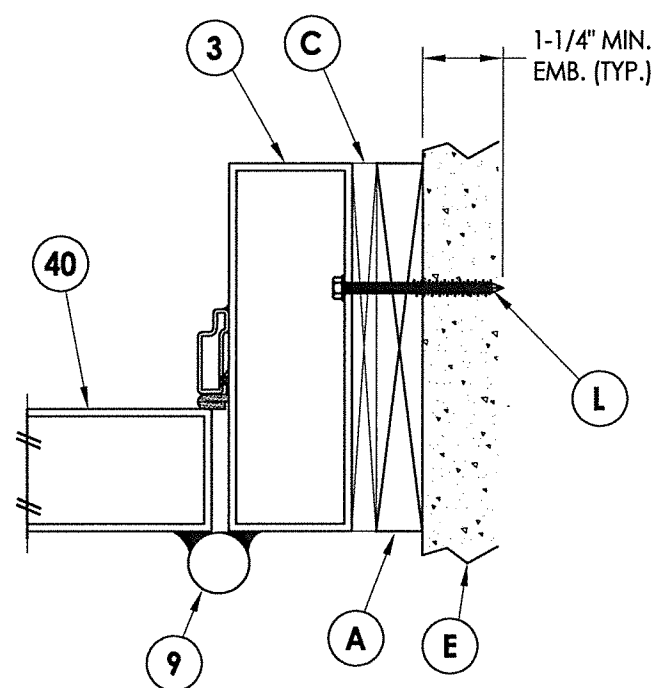
7 HORIZONTAL CROSS SECTION
4 Inswing Shown (Inswing Similar)
2X Buck Masonry Anchoring



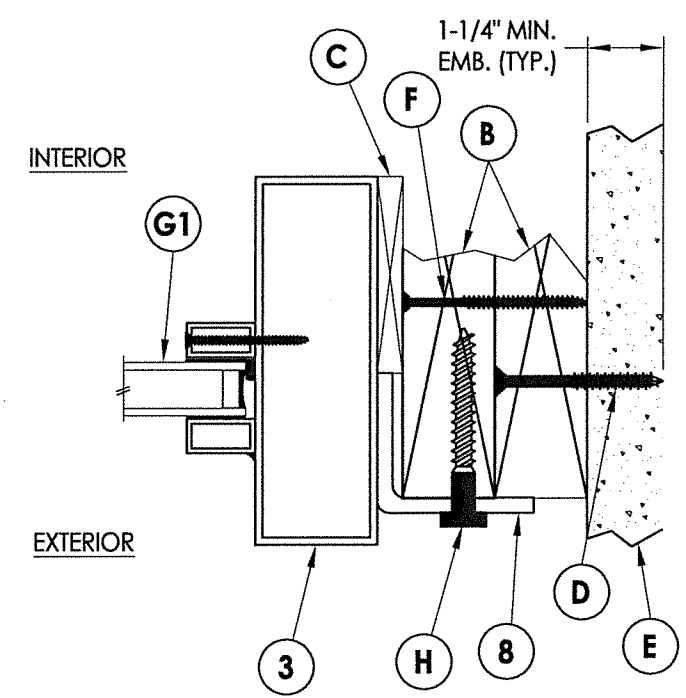
2 HORIZONTAL CROSS SECTION
4 Outswing Shown (Inswing Similar)
Direct to Masonry Anchoring



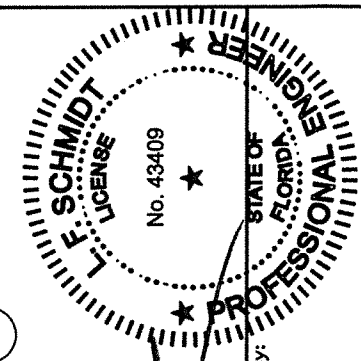
3 HORIZONTAL CROSS SECTION
4 Outswing Shown (Inswing Similar)



6 HORIZONTAL CROSS SECTION
4 Outswing Shown (Inswing Similar)
1X Buck Masonry Anchoring



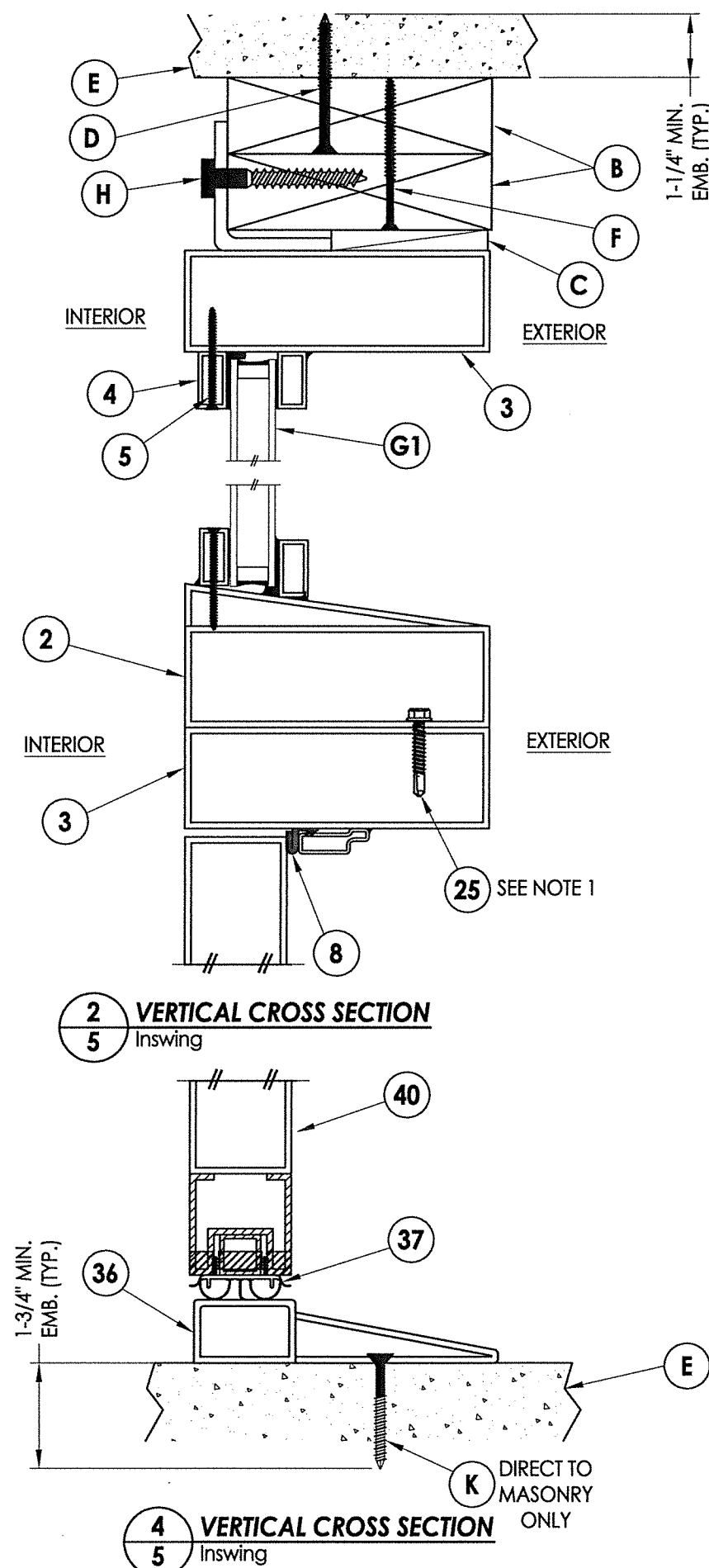
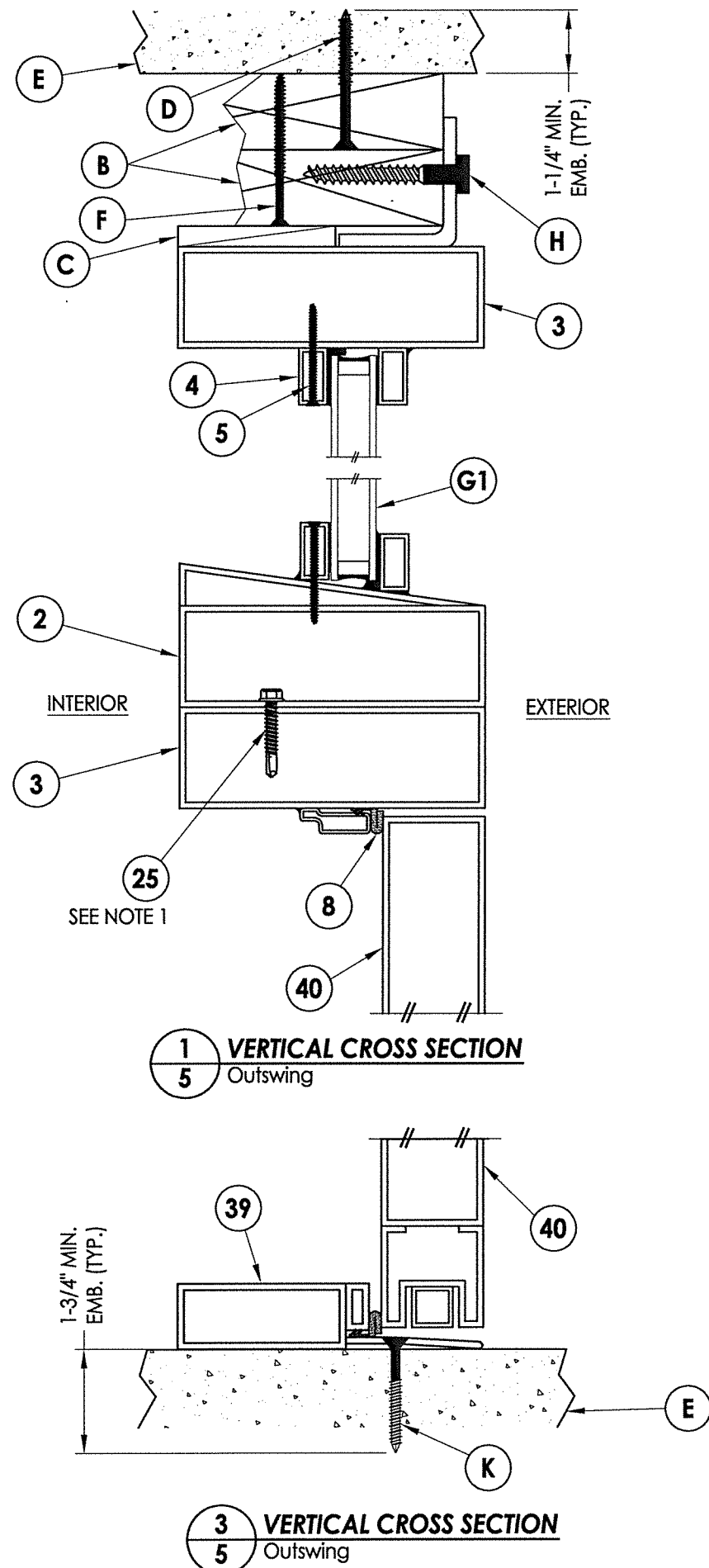
1 HORIZONTAL CROSS SECTION
4 Outswing Shown (Inswing Similar)



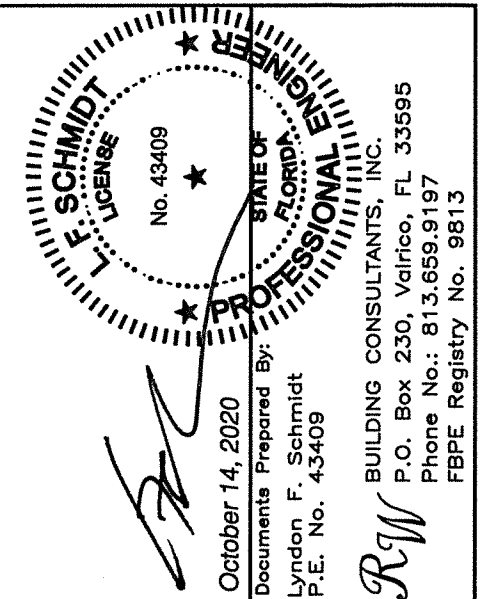
October 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

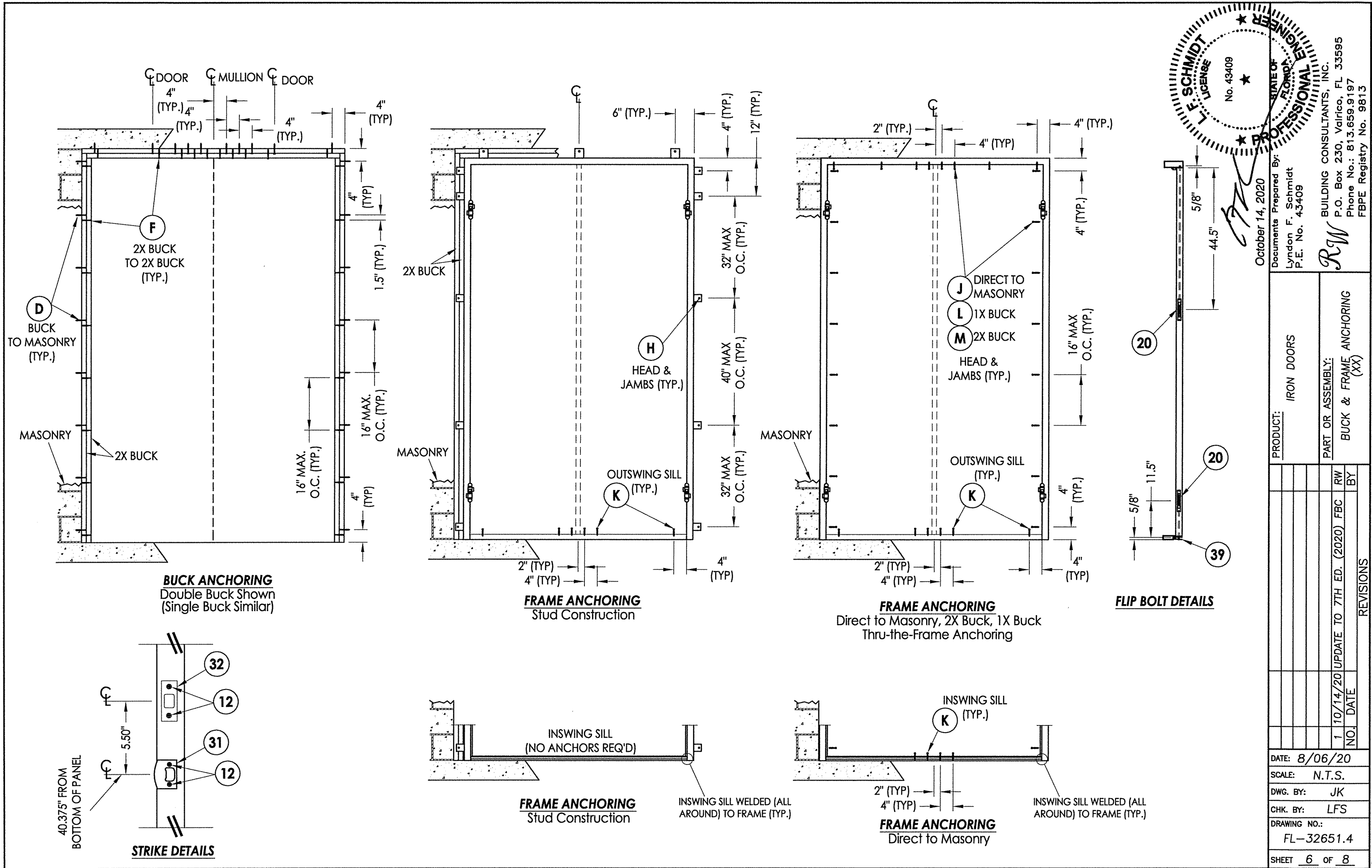
PRODUCT: IRON DOORS		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
1	10/14/20	RW	UPDATE TO 7TH ED. (2020) FBC
DATE: 8/06/20			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-32651.4			
SHEET 4 OF 8			



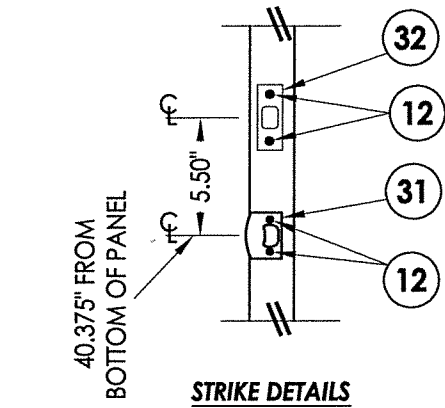
NOTE :
1. Item #35 location: 4" from each and
(2) more equally spaced (4 total).



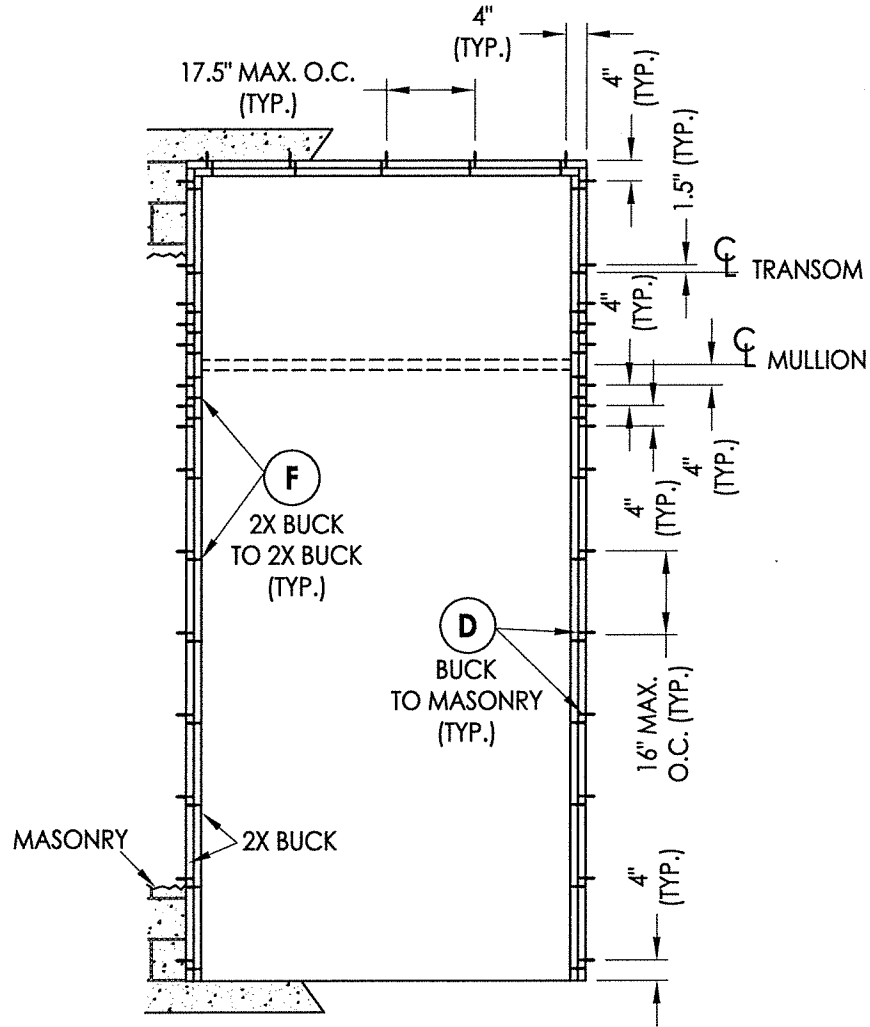
DATE: 8/06/20		REVISIONS NO. DATE		1 10/14/20 UPDATE TO 7TH ED. (2020) FBC RW BY		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS		PRODUCT: IRON DOORS	
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-32651.4									
SHEET 5		OF 8							



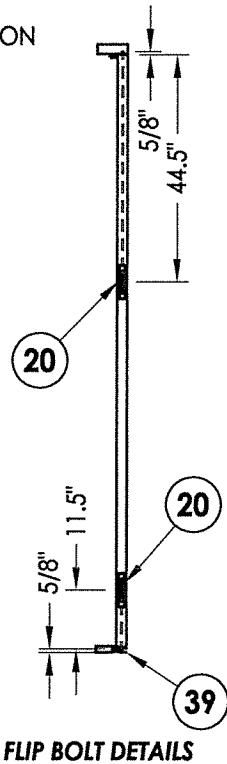
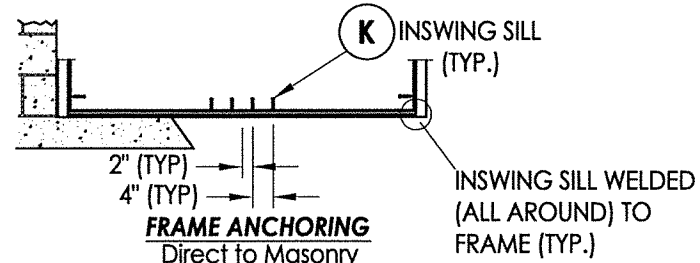
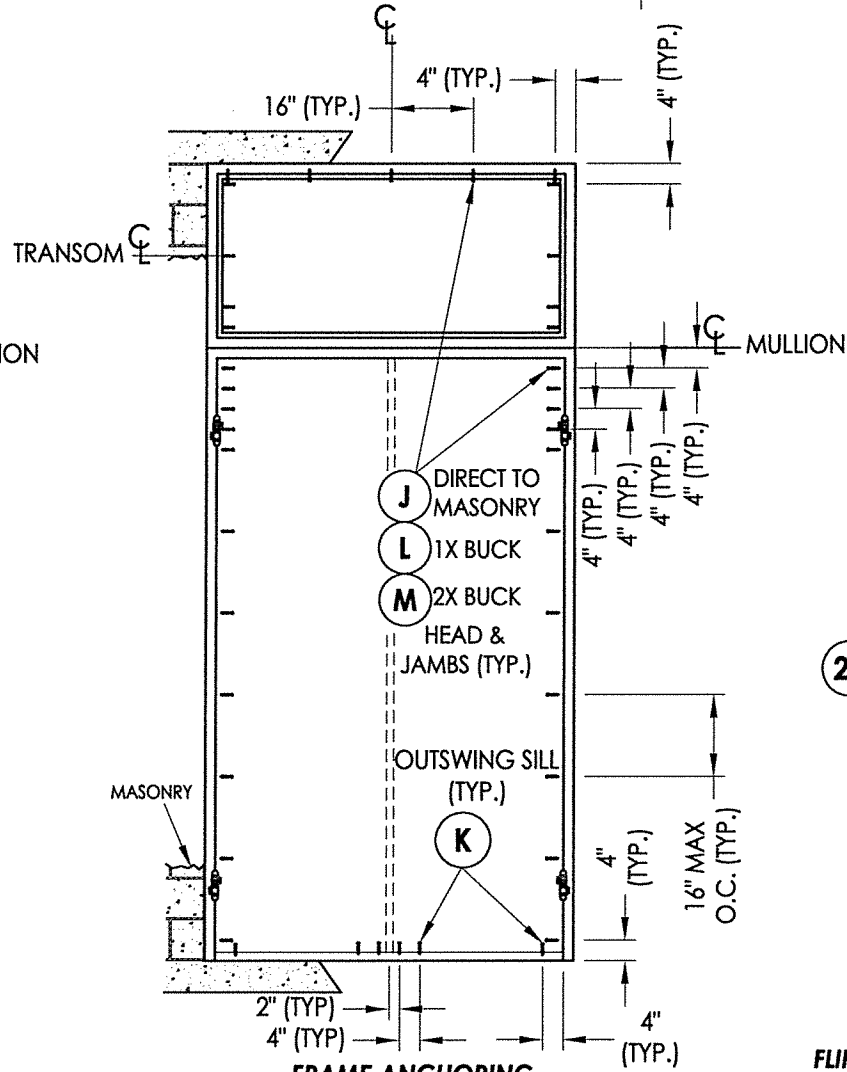
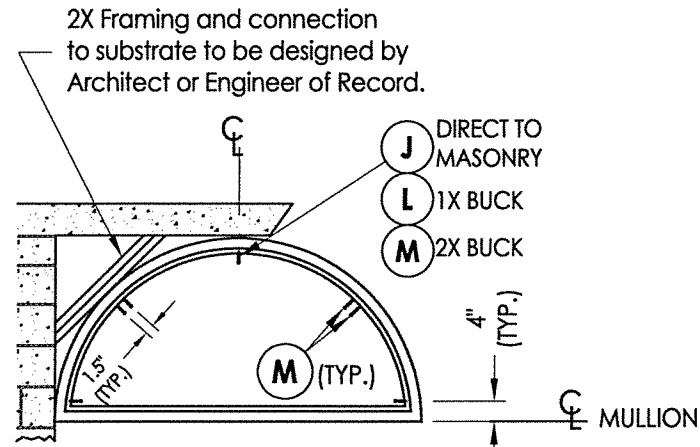
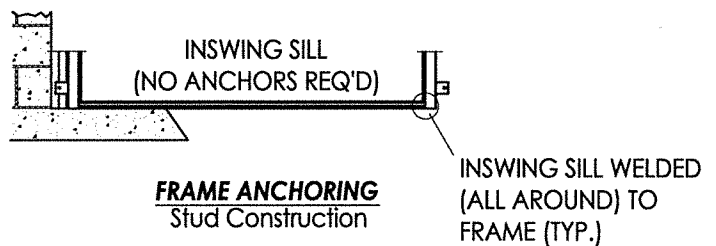
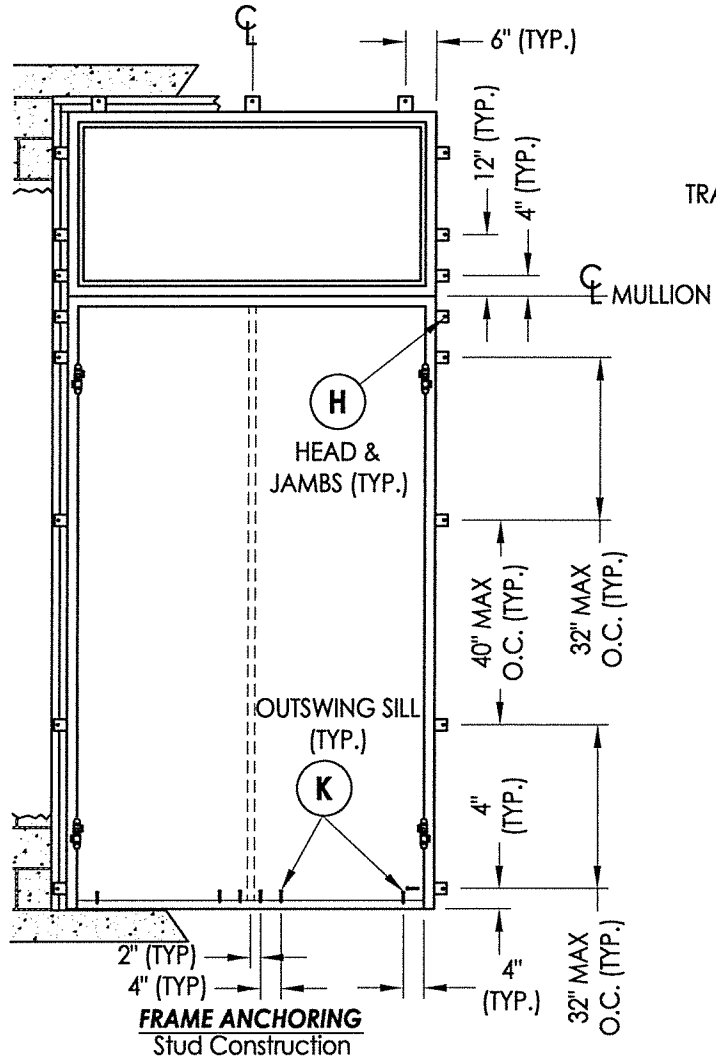
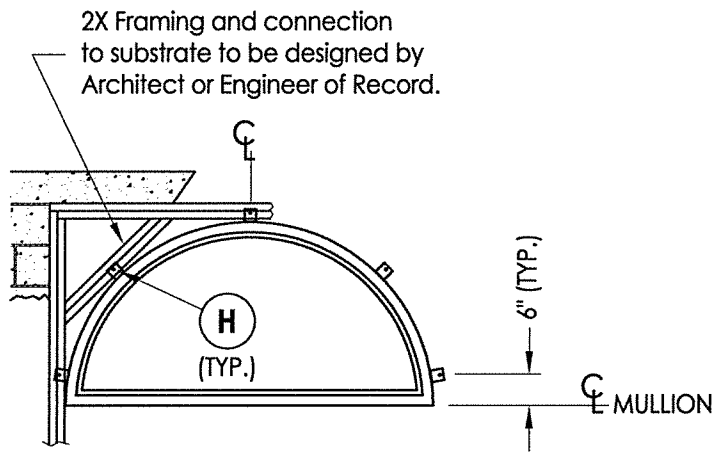
\\dc01\vwbc\Clients\Portal Elegance\A - Florida Product Approvals\FL-32651\2020\Drawings\FL-32651.1-4.dwg



STRIKE DETAILS



BUCK ANCHORING
Double Buck Shown
(Single Buck Similar)



FLIP BOLT DETAILS

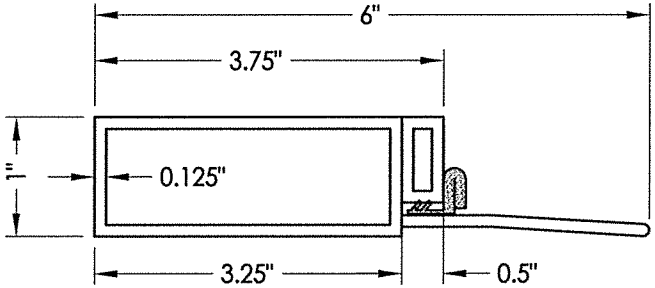
October 14, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
October 14, 2020
F. SCHMIDT
P.E. No. 43409
No. 43409
STATE OF FLORIDA
PROFESSIONAL ENGINEER
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: IRON DOORS		PART OR ASSEMBLY: BUCK & FRAME ANCHORING (O/XX)	
DATE: 8/06/20		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-32651.4		SHEET 7 OF 8	
NO. DATE		REVISIONS	
1 10/14/20 UPDATE TO 7TH ED. (2020) FBC		RW BY	

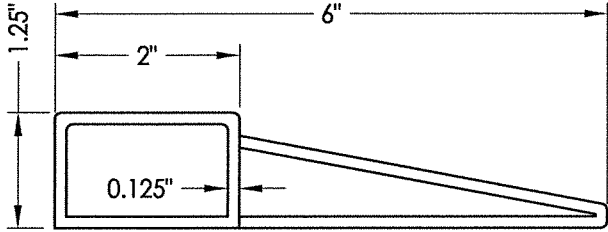
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	WOOD
C	3/8" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI301 OR HOLLOW 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
2	TRANSOM SILL	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" HWH 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

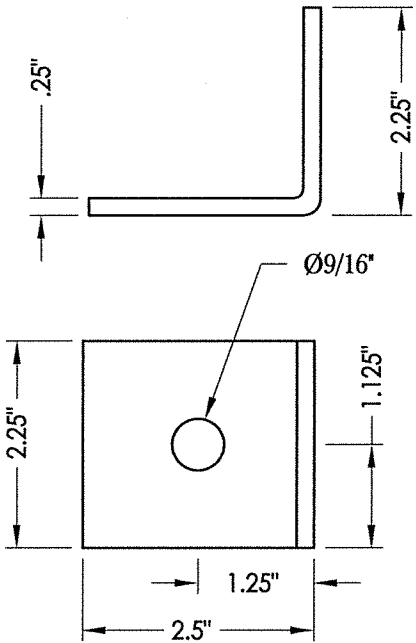
All Door Component Steel: ASTM A36



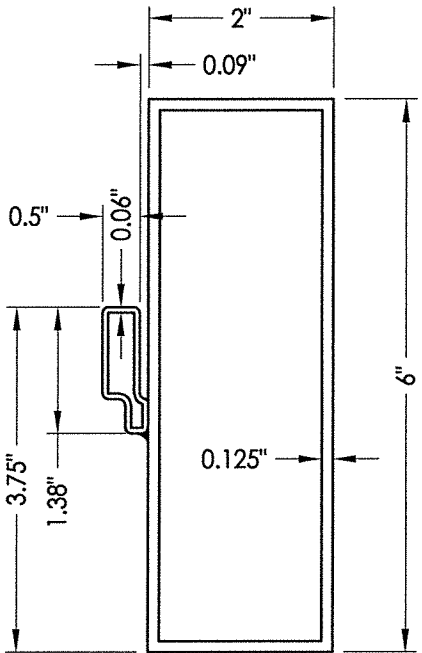
39 THRESHOLD
Outswing



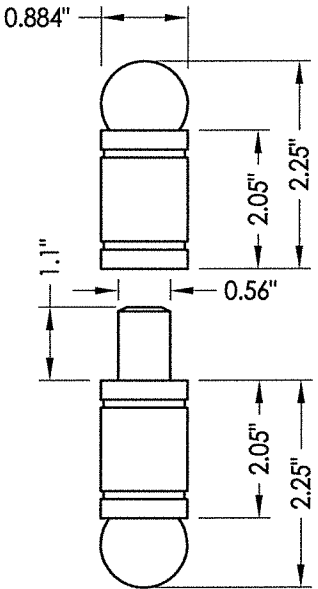
36 THRESHOLD
Inswing



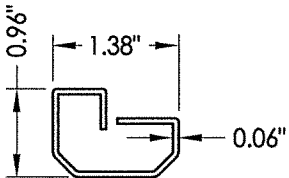
15 ANCHORING BRACKET



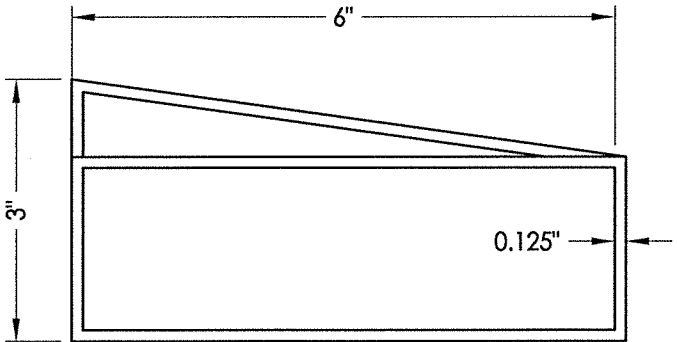
3 FRAME



9 HINGE



35 ASTRAGAL



2 TRANSOM SILL

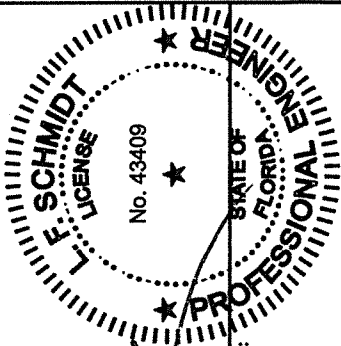
CONCRETE ANCHOR NOTES:

- 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.



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: 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-32651.4	SHEET 8 OF 8	NO. DATE	REVISIONS
1	10/14/20	UPDATE TO 7TH ED. (2020)	FBC
1	10/14/20	UPDATE TO 7TH ED. (2020)	FBC

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