



PORTAL
ELEGANCE

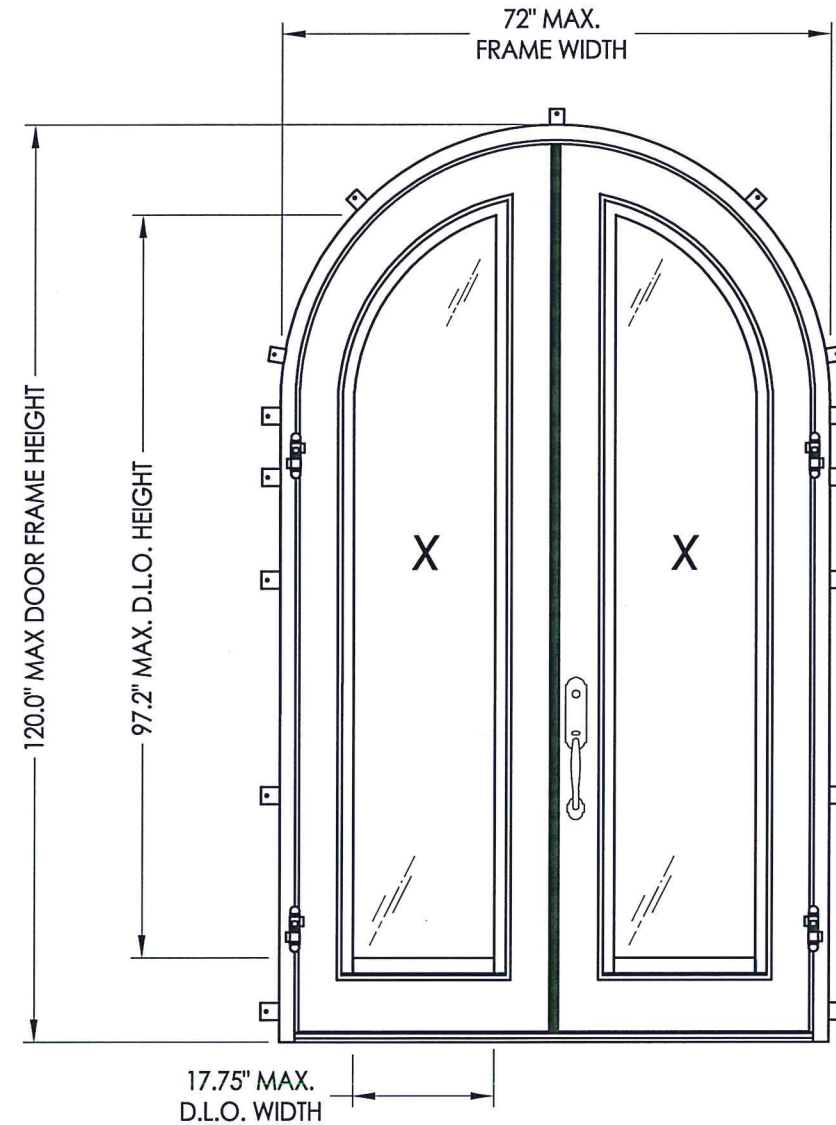
GLAZED IRON DOUBLE DOOR (Arch Top) IN swing/OUT swing "IMPACT"

GENERAL NOTES

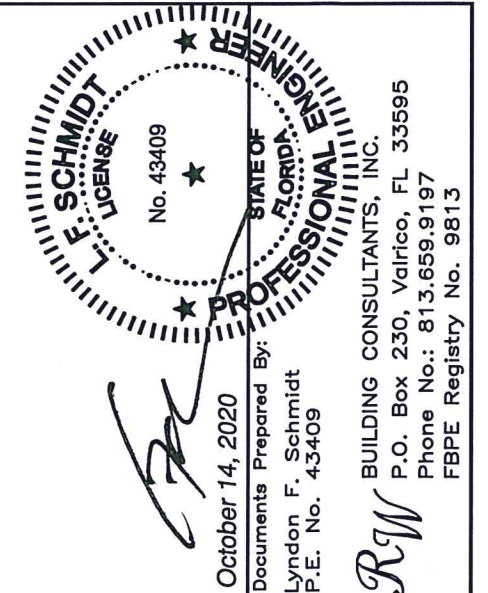
- This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond 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 E 1996 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.
- Outswing configurations utilizing item #39 meet water infiltration requirements for "HVHZ".
- Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing units 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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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

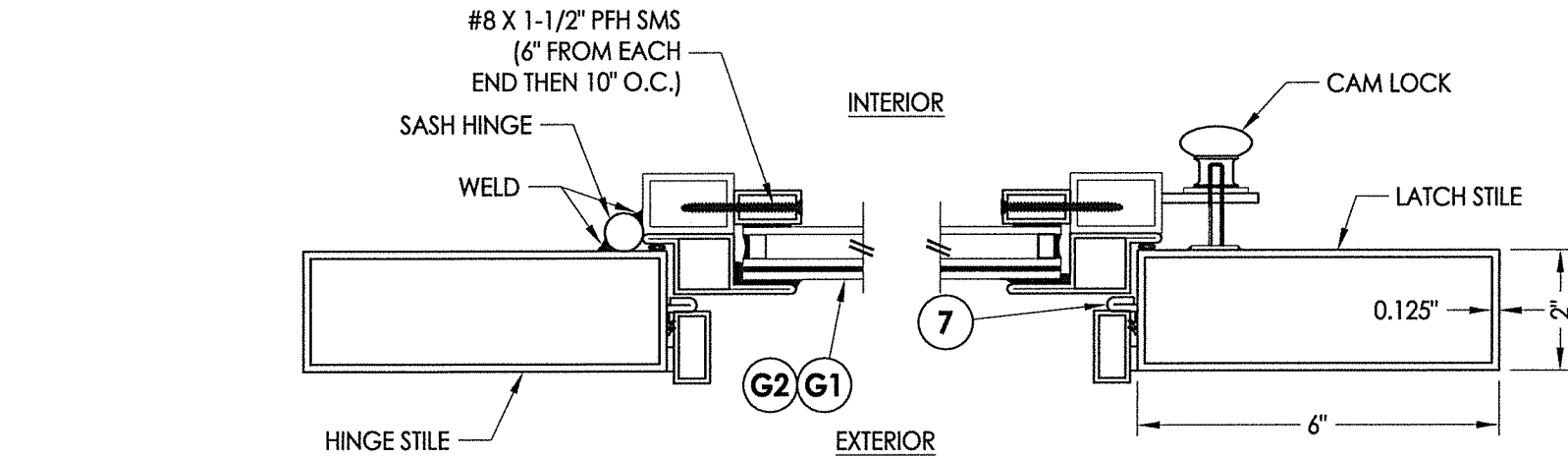


CONFIGURATION	OVERALL FRAME DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)			
			IN swing		OUT swing	
			POS.	NEG.	POS.	NEG.
XX	72.0" x 120.0"	G1	+70.0	-70.0	+70.0	-70.0
XX	72.0" x 120.0"	G2	+50.0	-50.0	+50.0	-55.0

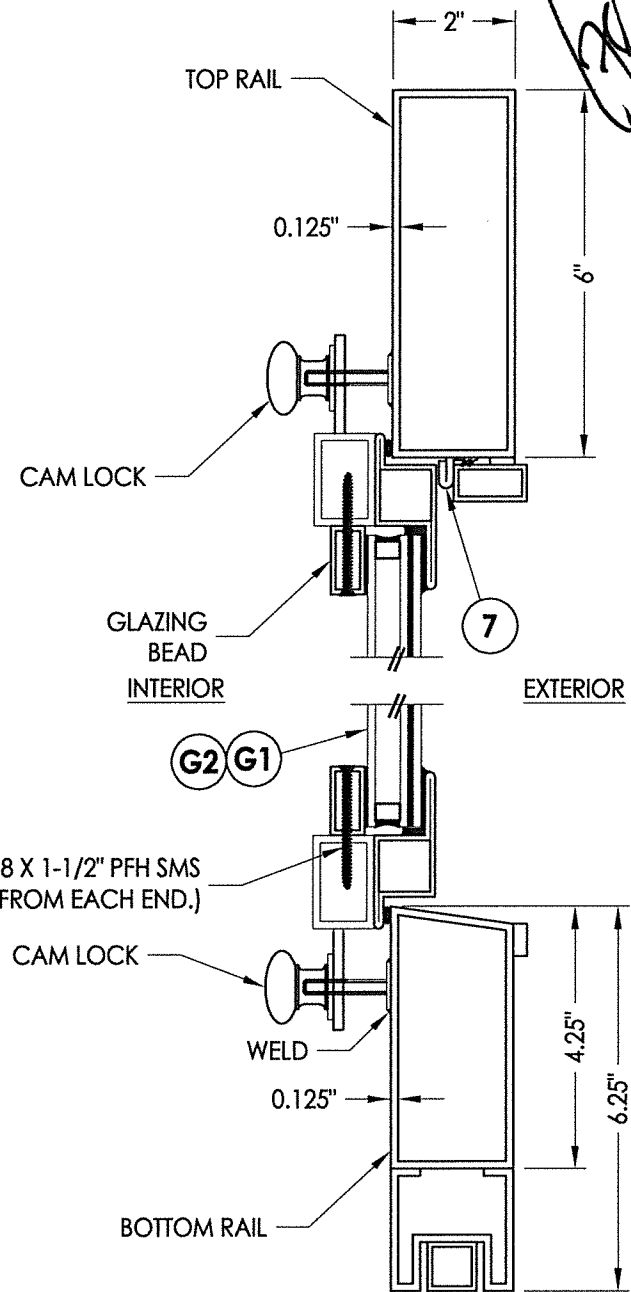
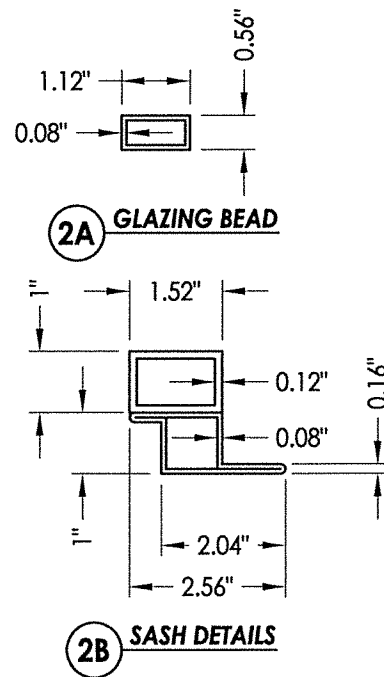
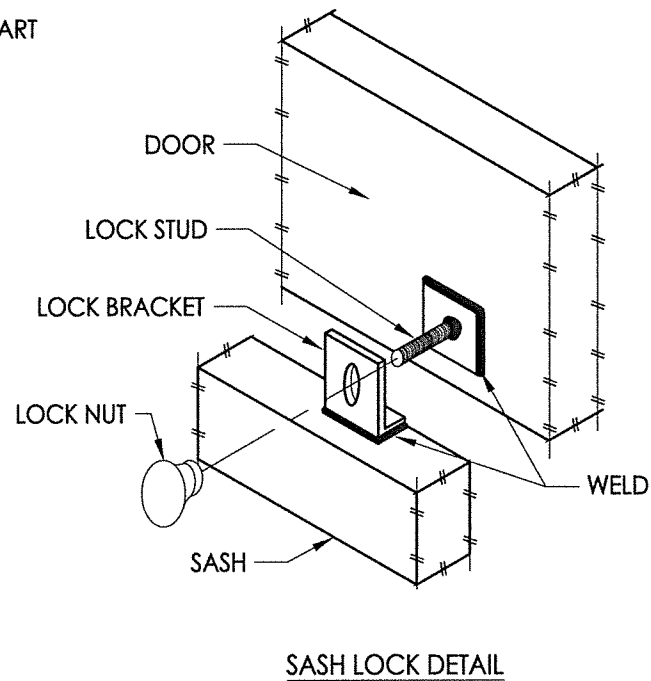
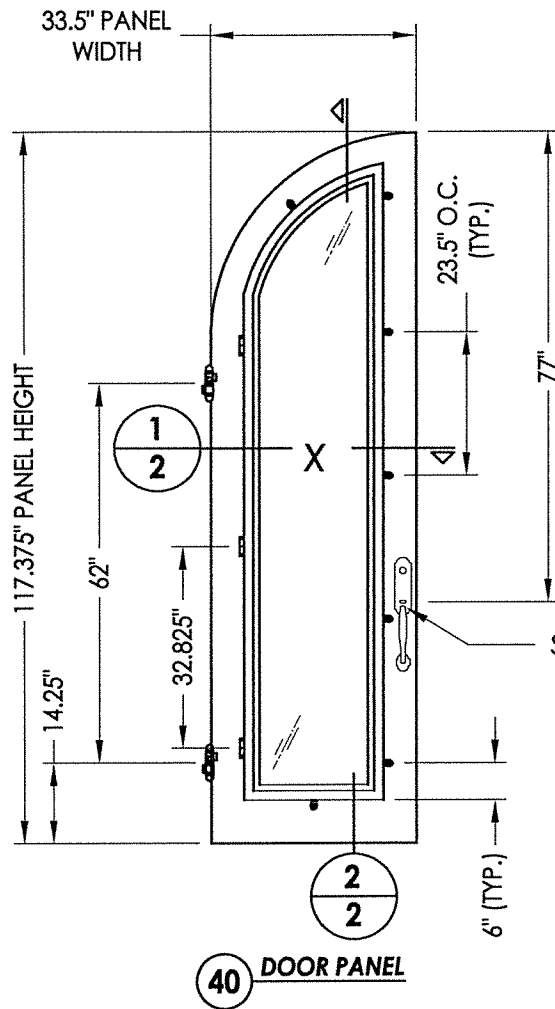
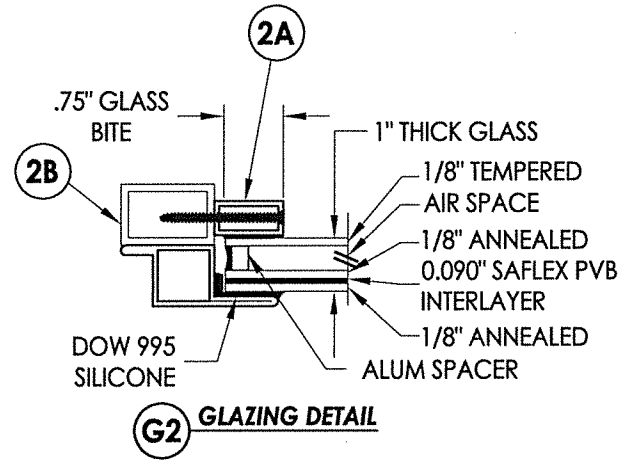
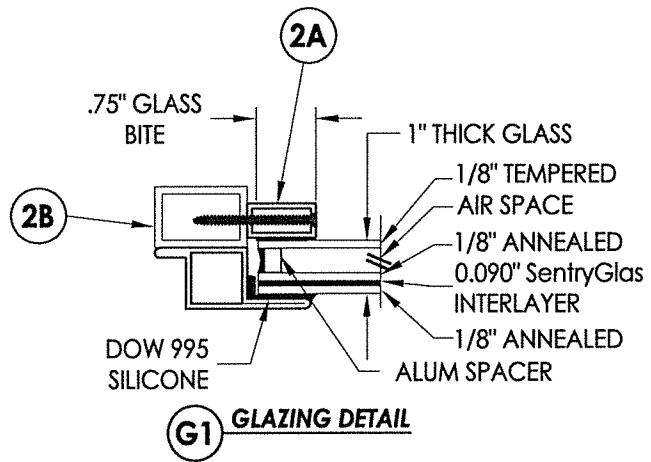


PRODUCT:	IRON DOORS
PART OR ASSEMBLY:	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
DATE	8/06/20
SCALE	N.T.S.
DWG. BY	JK
CHK. BY	LFS
DRAWING NO.	FL-32651.7
SHEET	1 OF 5

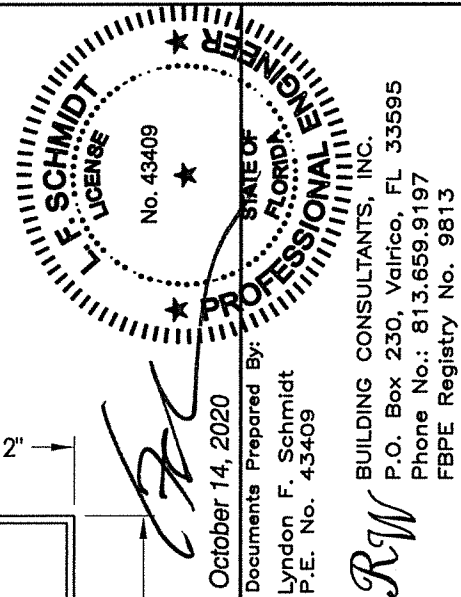
\\dc01\rvbc\Clients\Portal Elegance\A - Florida Product Approvals\FL-32651\C - Drawings\FL-32651.5-8.dwg



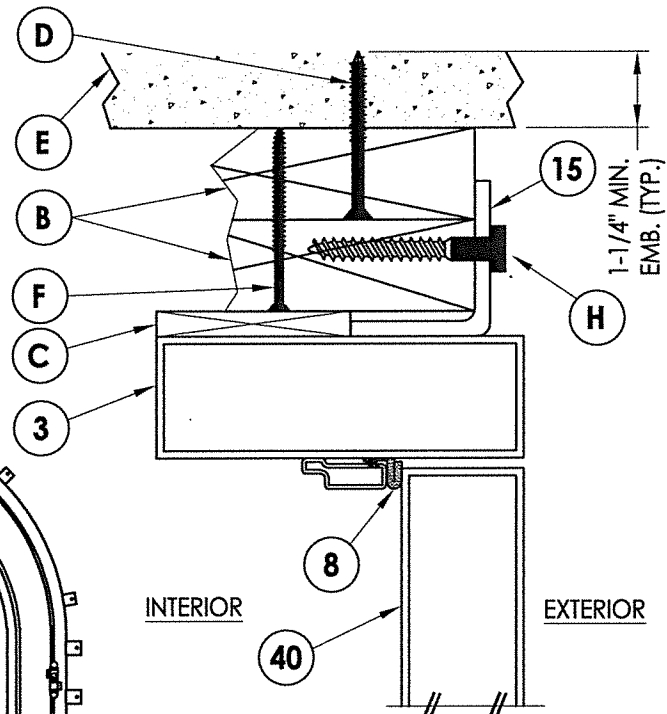
1
2 HORIZONTAL CROSS SECTION



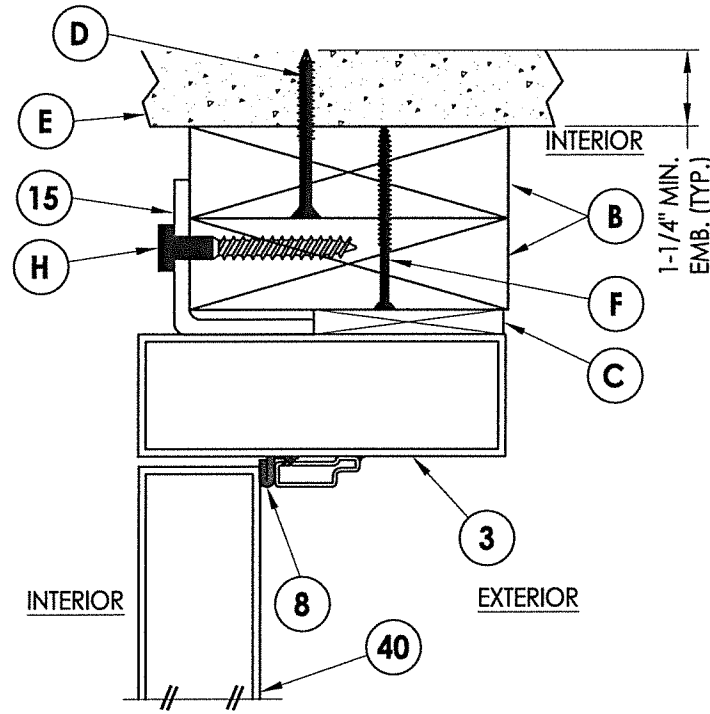
HARDWARE TABLE	
MANUFACTURER	MODEL
BALDWIN	HANDLESET (ESTATE SERIES)



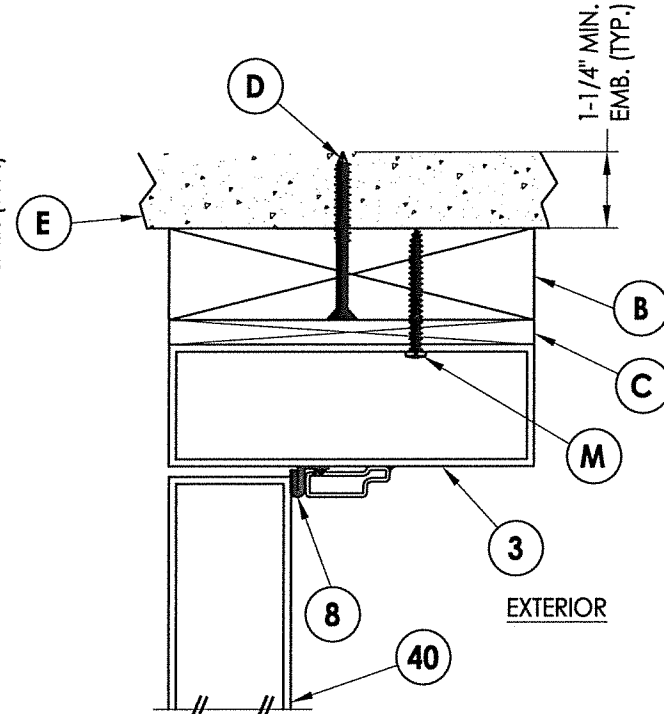
PRODUCT: IRON DOORS		PART OR ASSEMBLY: DOOR PANEL DETAILS & GLAZING DETAILS	
DATE: 8/06/20		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-32651.7		SHEET 2 OF 5	
NO. DATE		REVISIONS	
1	10/14/20	UPDATE TO 7TH ED. (2020)	FBC
			RW
			BY



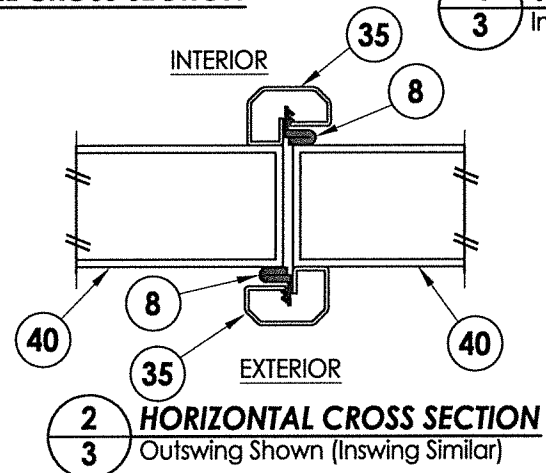
3 VERTICAL CROSS SECTION
3 Outswing



4 VERTICAL CROSS SECTION
3 Inswing

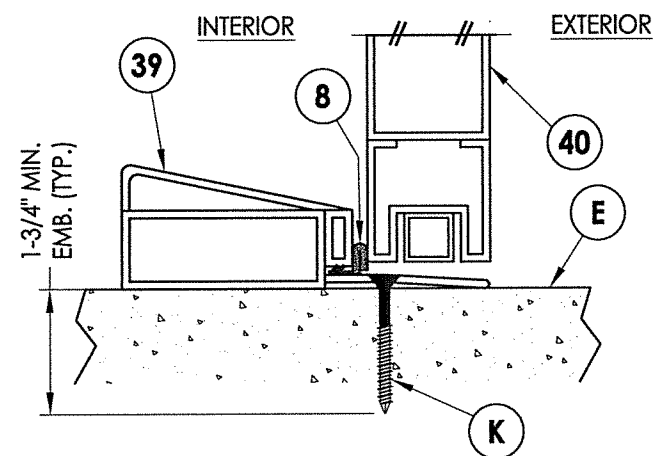


7 **HORIZONTAL CROSS SECTION**
3 Inswing Shown (Inswing Similar)
2X Buck Masonry Anchoring

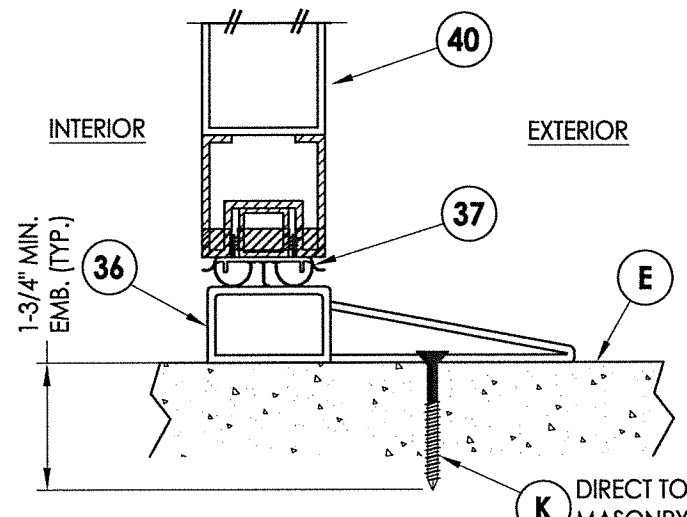


2 HORIZONTAL CROSS SECTION

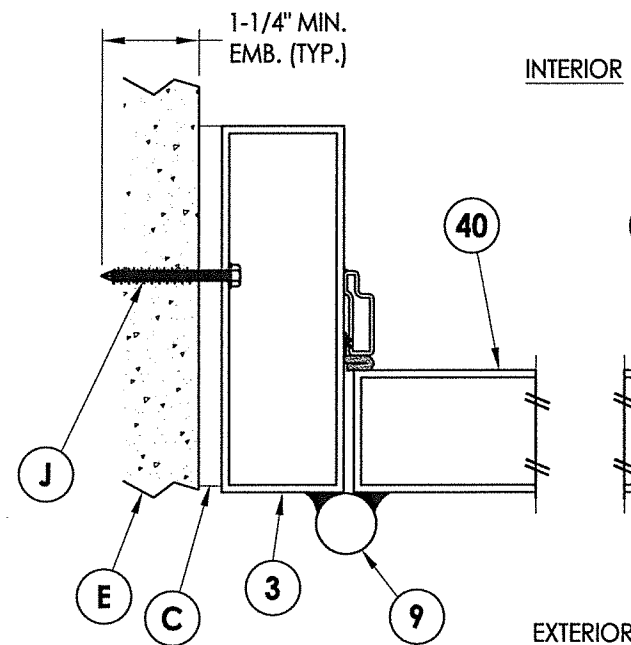
3 Outswing Shown (Inswing Similar)



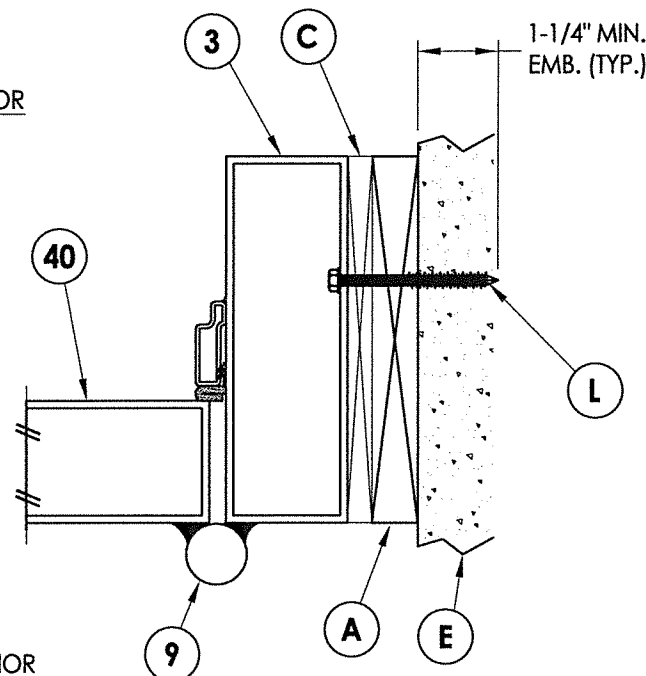
5 VERTICAL CROSS SECTION
3 Outswing



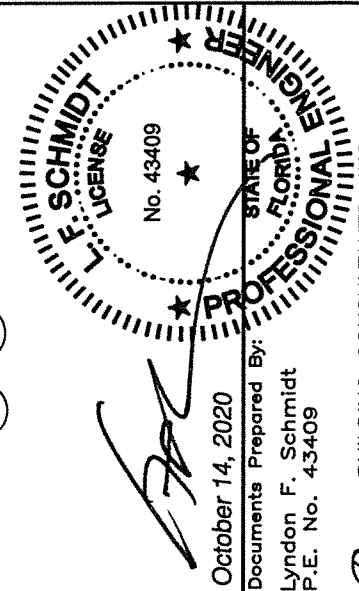
6 **VERTICAL CROSS SECTION**
3 Inswing



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

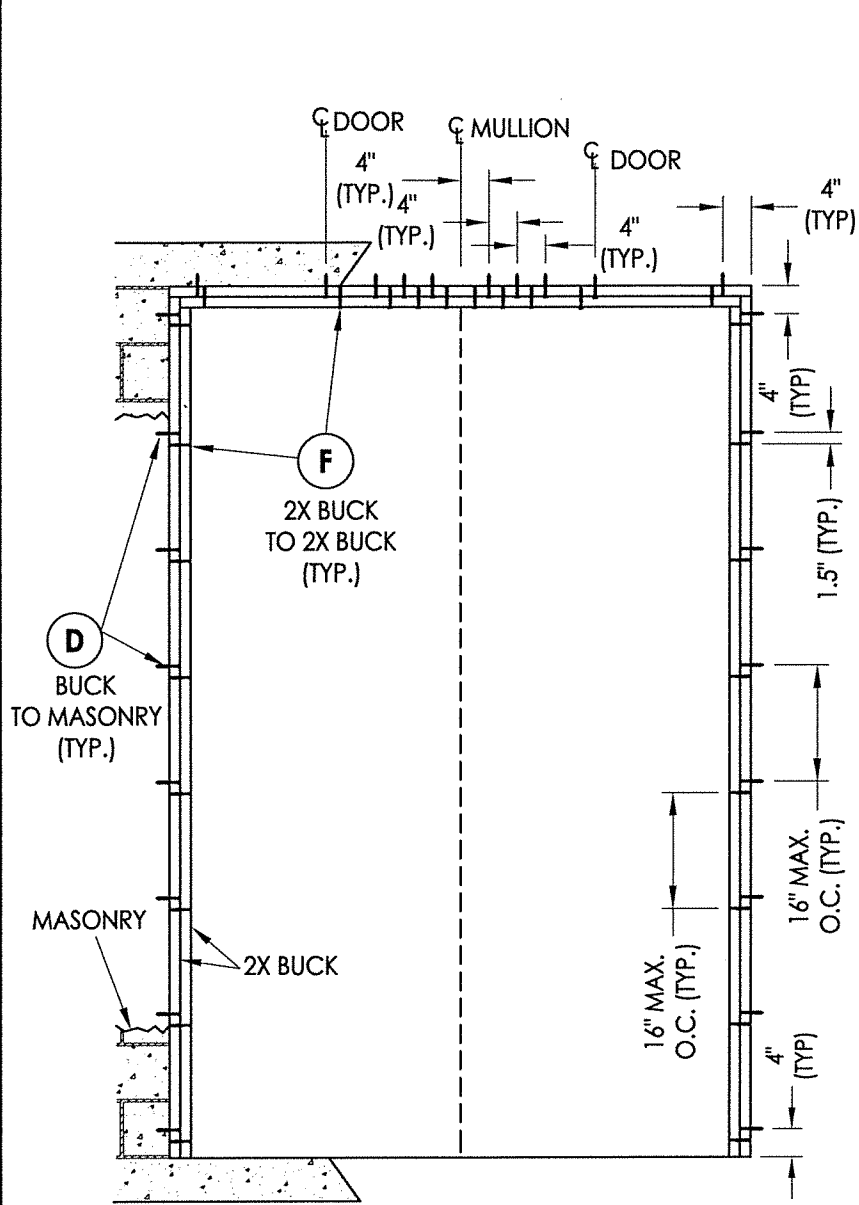


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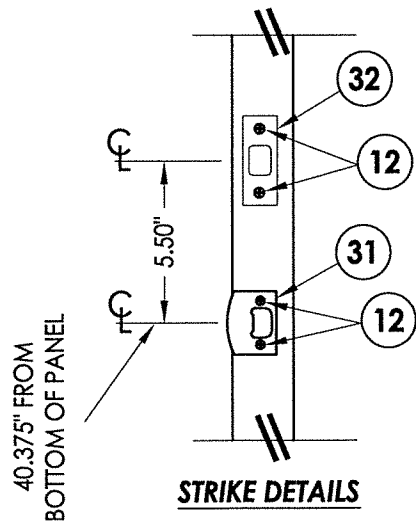
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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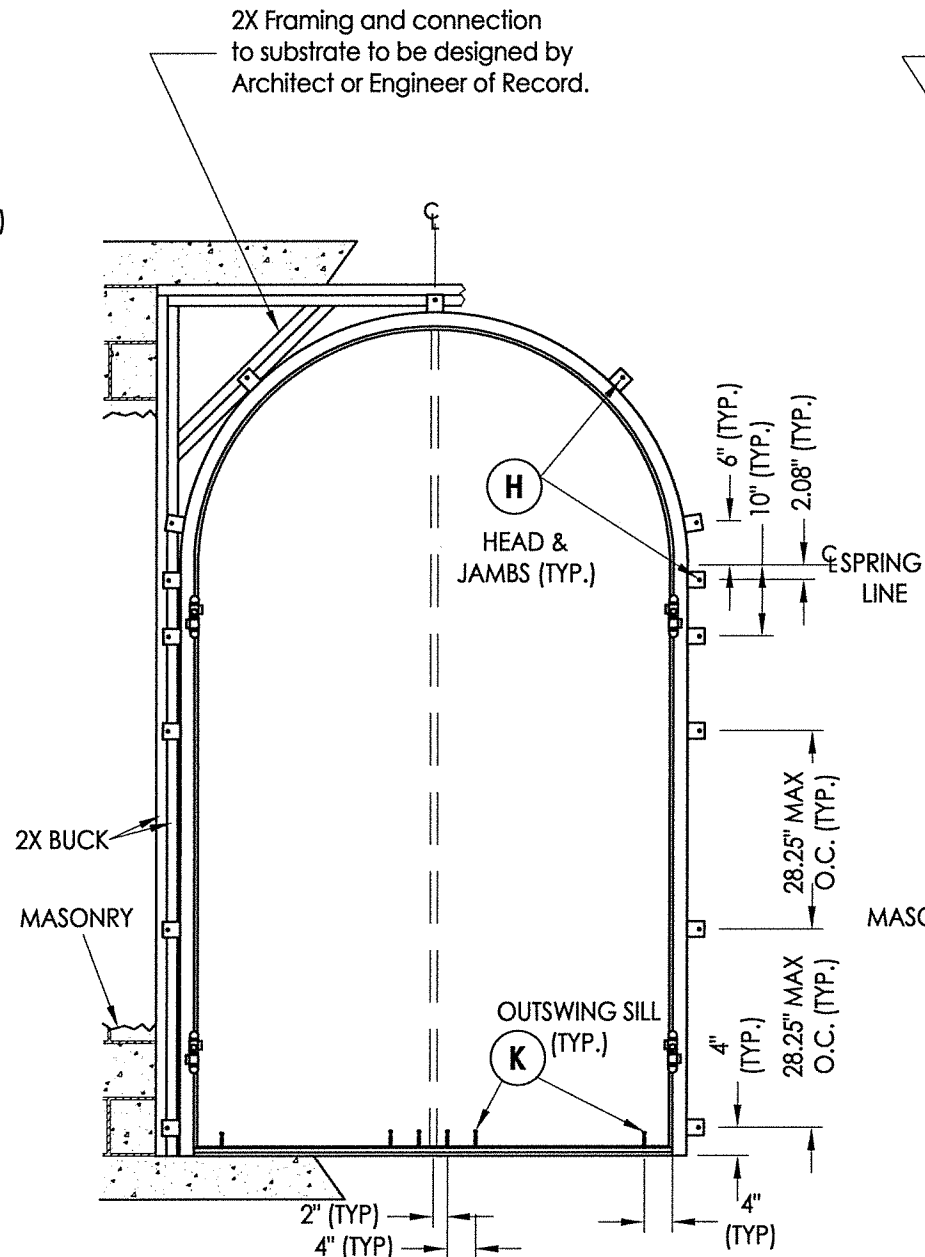
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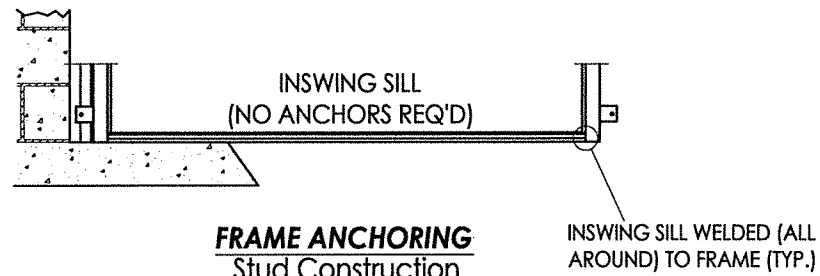
BUCK ANCHORING
Double Buck Shown
(Single Buck Similar)



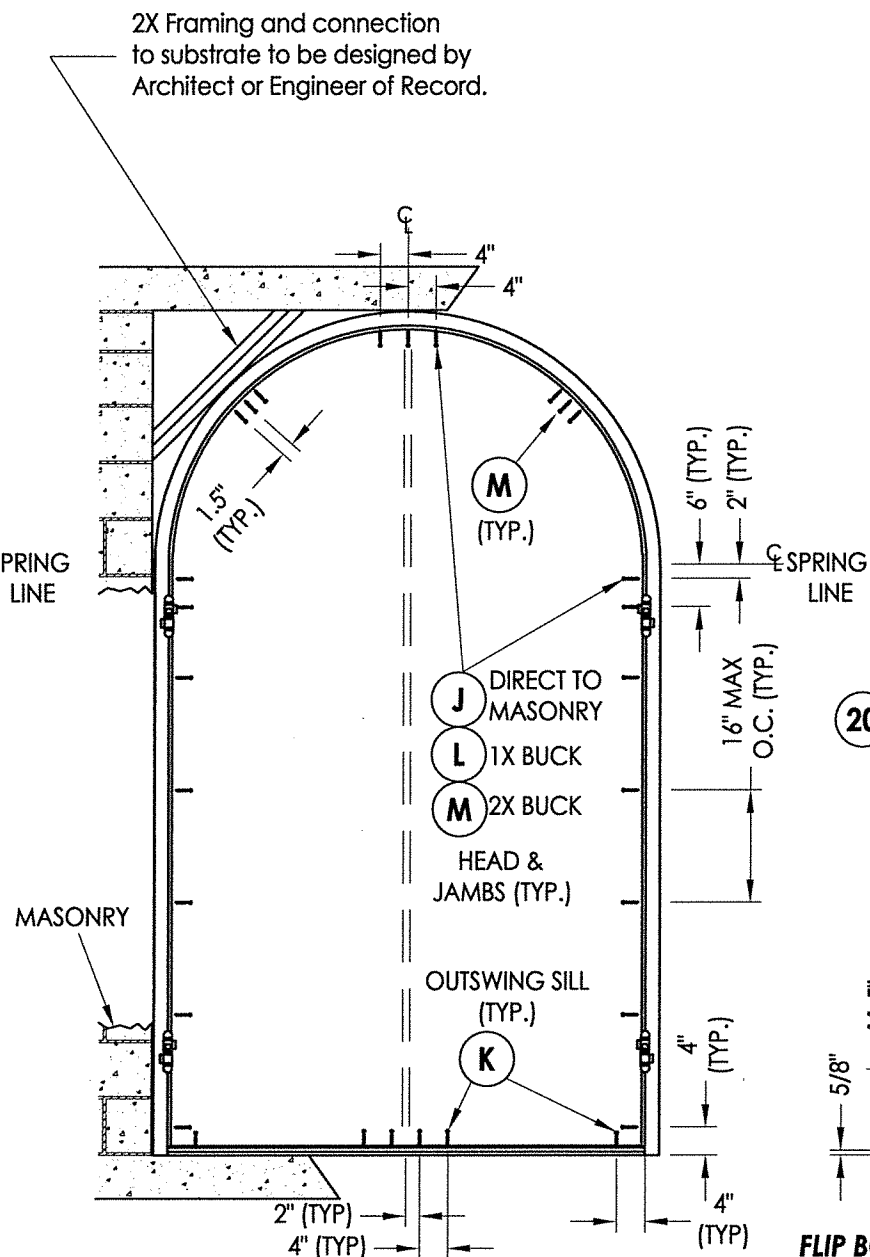
STRIKE DETAILS



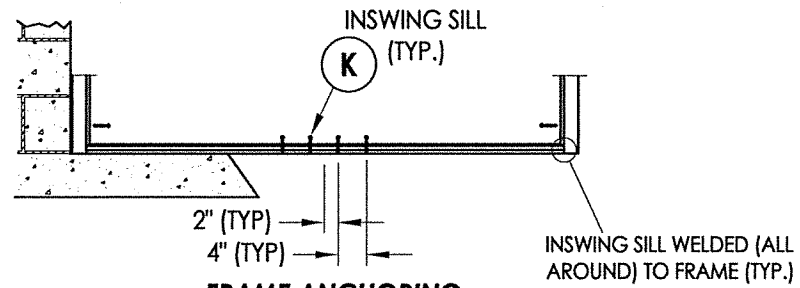
FRAME ANCHORING
Stud Construction



FRAME ANCHORING
Stud Construction

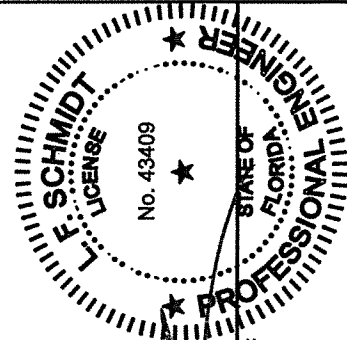
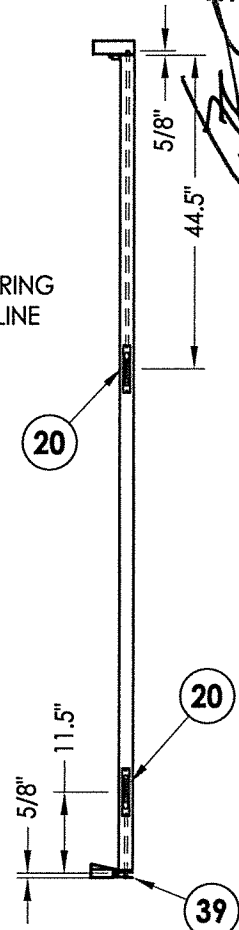


FRAME ANCHORING
Direct to Masonry, 2X Buck, 1X Buck
Thru-the-Frame Anchoring



FRAME ANCHORING
Direct to Masonry

FLIP BOLT DETAILS



October 14, 2020
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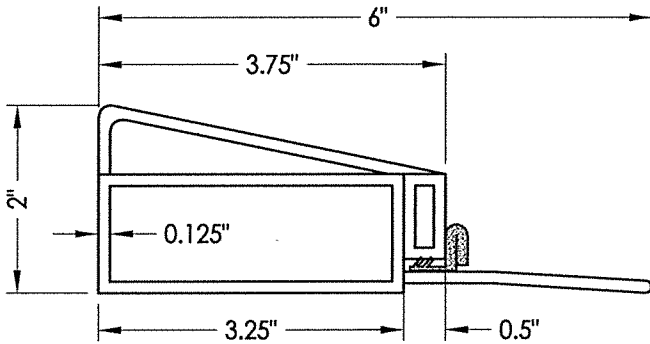
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		IRON DOORS	
PART OR ASSEMBLY:		BUCK & FRAME ANCHORING	
NO.	DATE	UPDATE TO	BY
1	10/14/20	7TH ED. (2020) FBC	RW
REVISIONS			
DATE: 8/06/20			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-32651.7			
SHEET 4 OF 5			

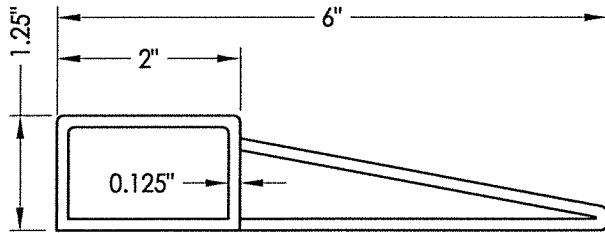
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	WOOD
C	3/8" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI301 OR HOLLOW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

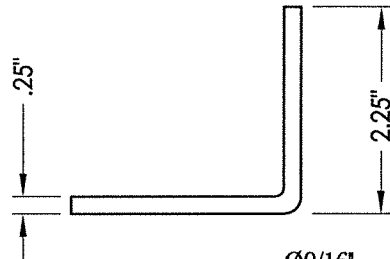
All Door Component Steel: ASTM A36



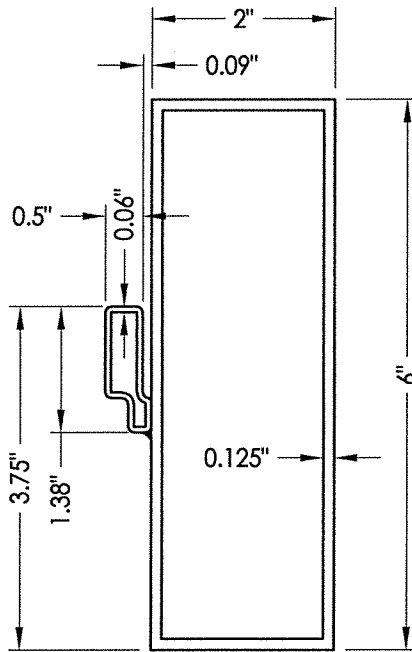
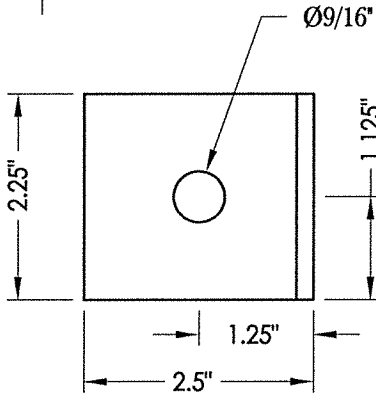
39 THRESHOLD
Outswing



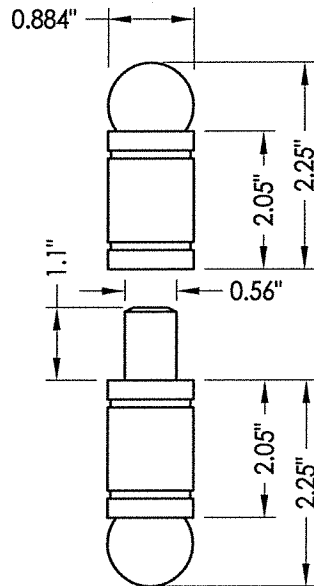
36 THRESHOLD
Inswing



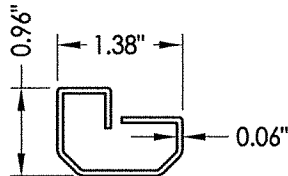
15 ANCHORING BRACKET



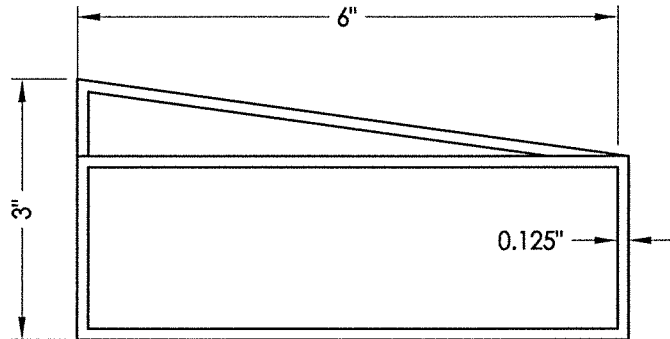
3 FRAME



9 HINGE



35 ASTRAGAL



2 TRANSOM SILL

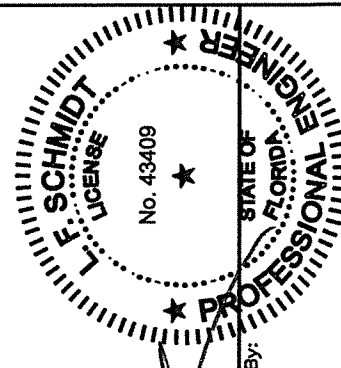
CONCRETE ANCHOR NOTES:

- 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.



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PRODUCT: IRON DOORS

PART OR ASSEMBLY:
BILL OF MATERIALS &
COMPONENTS

1 10/14/20 UPDATE TO 7TH ED. (2020) FBC

NO. DATE

REVISIONS

DATE: 8/06/20

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-32651.7

SHEET 5 OF 5