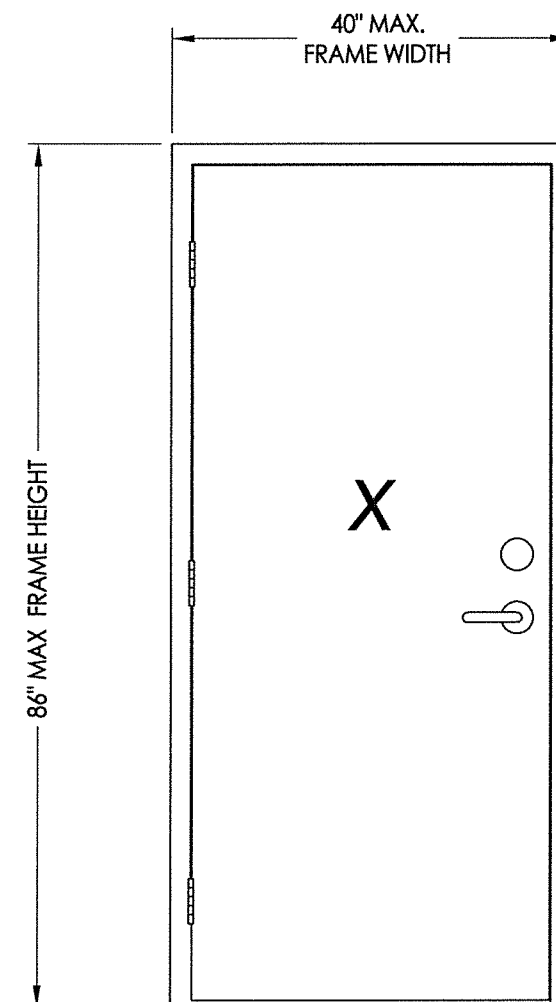


400 Zenway Blvd. Unit #1
Woodbridge, ON L4H 0S7

GENERAL NOTES

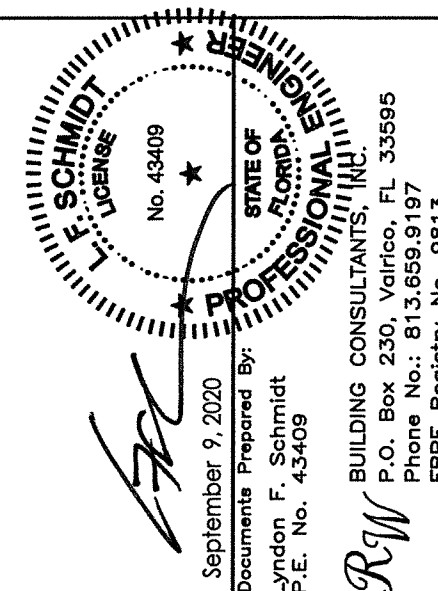
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product does not meet the water infiltration requirements for the "HVHZ" and 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.
7. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Door panel details
3	Elevations & vertical cross sections
4	Horizontal cross sections
5	Horizontal cross sections
6	Frame anchoring
7	Frame anchoring
8	Bill of materials & components



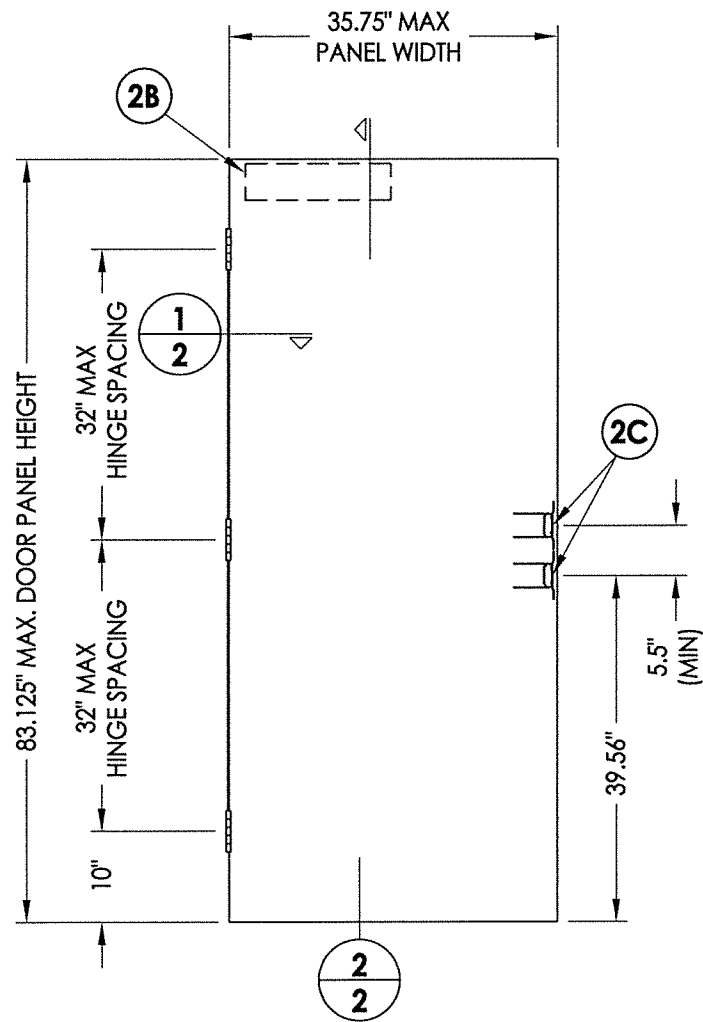
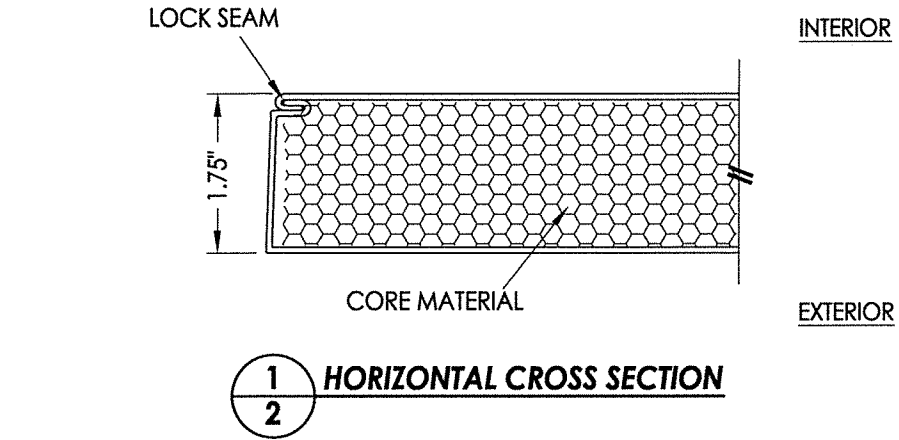
CYLINDRICAL LOCK & DEADBOLT

MAX. OVERALL DIMENSION	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
40.0" X 86.0"	+50.0	-60.0	+55.0	-55.0



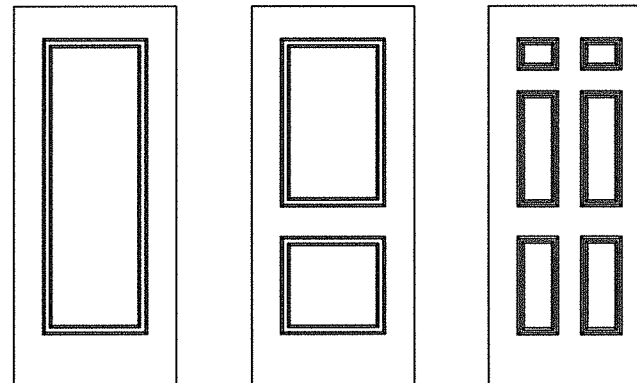
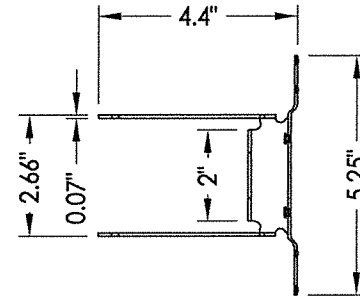
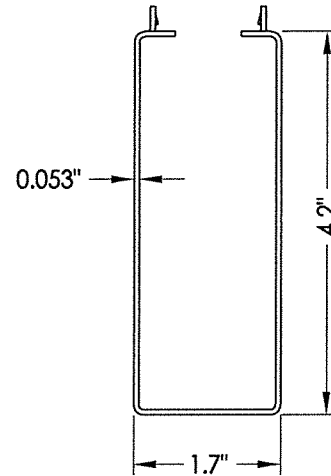
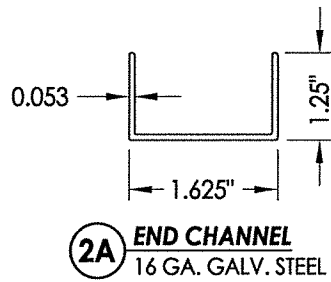
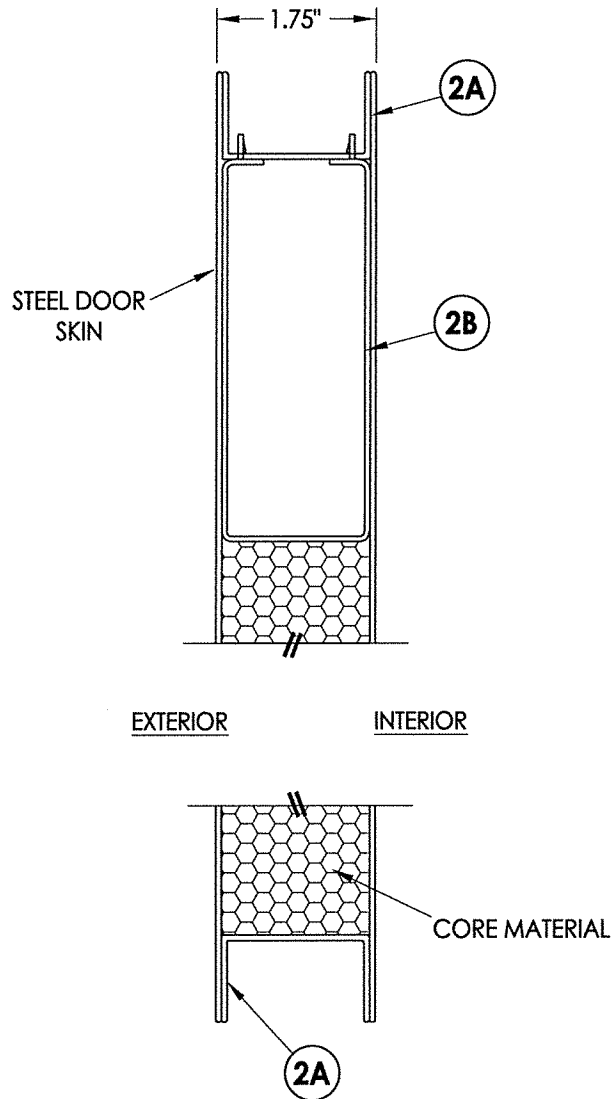
DATE: 7/08/18				PRODUCT: VISION HOLLOW METAL					
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-19036.5									
SHEET 1 OF 8		2		9/08/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	PART OR ASSEMBLY:	
		1		11/5/19	ADJUST ANCHOR SPACING		LFS	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
		NO.		DATE			BY		
								DEVISIONS	

R:\Clients\Vision Hollow Metal Permanent\A - Florida Product Approvals\FL-19036\C - Drawings\FL-19036 (2020)\FL-19036.5.dwg, 2.1



40 **OPAQUE DOOR PANEL**
7'-0" Door w/ Cylindrical Lock & Deadbolt

STEEL DOOR SKIN: 20 GA. (MIN. 0.032" THK.) GALV. STEEL (F_y = 50,700 PSI MIN.)
CORE MATERIAL: HONEYCOMB CORE OR EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)



OPTIONAL EMBOSSED PANELS

September 9, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

FLORIDA
STATE OF
ENGINEER
PROFESSIONAL
LICENSE
No. 43409

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

PRODUCT:		PART OR ASSEMBLY:	
VISION HOLLOW METAL		DOOR PANEL DETAILS	
NO.	DATE	REVISIONS	BY
2	9/08/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	11/5/19	ADJUST ANCHOR SPACING	LFS
1			BY

DATE: 7/08/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-19036.5
SHEET 2 OF 8

INTERIOR

EXTERIOR

40

8

5

E

H

CONCRETE SILL ANCHOR

1-3/4" MIN.
EMB. (TYP.)

2
3 **VERTICAL CROSS SECTION**
Inswing Sill

Diagram illustrating a cross-sectional view of a window assembly. The assembly includes a frame (1) with a gasket (6) and a pane (E) with a seal (C). The frame is mounted on a wall (40). The interior is on the left and exterior on the right.

EXTERIOR

INTERIOR

40

19

3

E

H CONCRETE SILL ANCHOR

1-3/4" MIN.
EMB. (TYP.)

3 **VERTICAL CROSS SECTION**

3 Outswing Sill

© 2018 R.W. BUILDING CONSULTANTS INC.

This diagram is a horizontal cross-section of a window assembly. It shows the exterior wall on the left, consisting of a DRYWALL layer and an EXT. SHEATHING layer. A window frame is embedded in the wall. The interior of the window is shown on the right. The diagram includes various callouts: 'X' and 'B' point to the upper part of the window frame; 'P' and 'F' point to the lower part of the window frame; 'CAULK (TYP.)' points to the sealant between the frame and the wall; '1' points to the upper part of the window frame; '33' points to the interior wall; '10' points to the window frame; '20' points to the window frame; '9' points to the window frame; '40' points to the interior wall. The diagram is labeled 'HORIZONTAL CROSS SECTION' at the bottom.

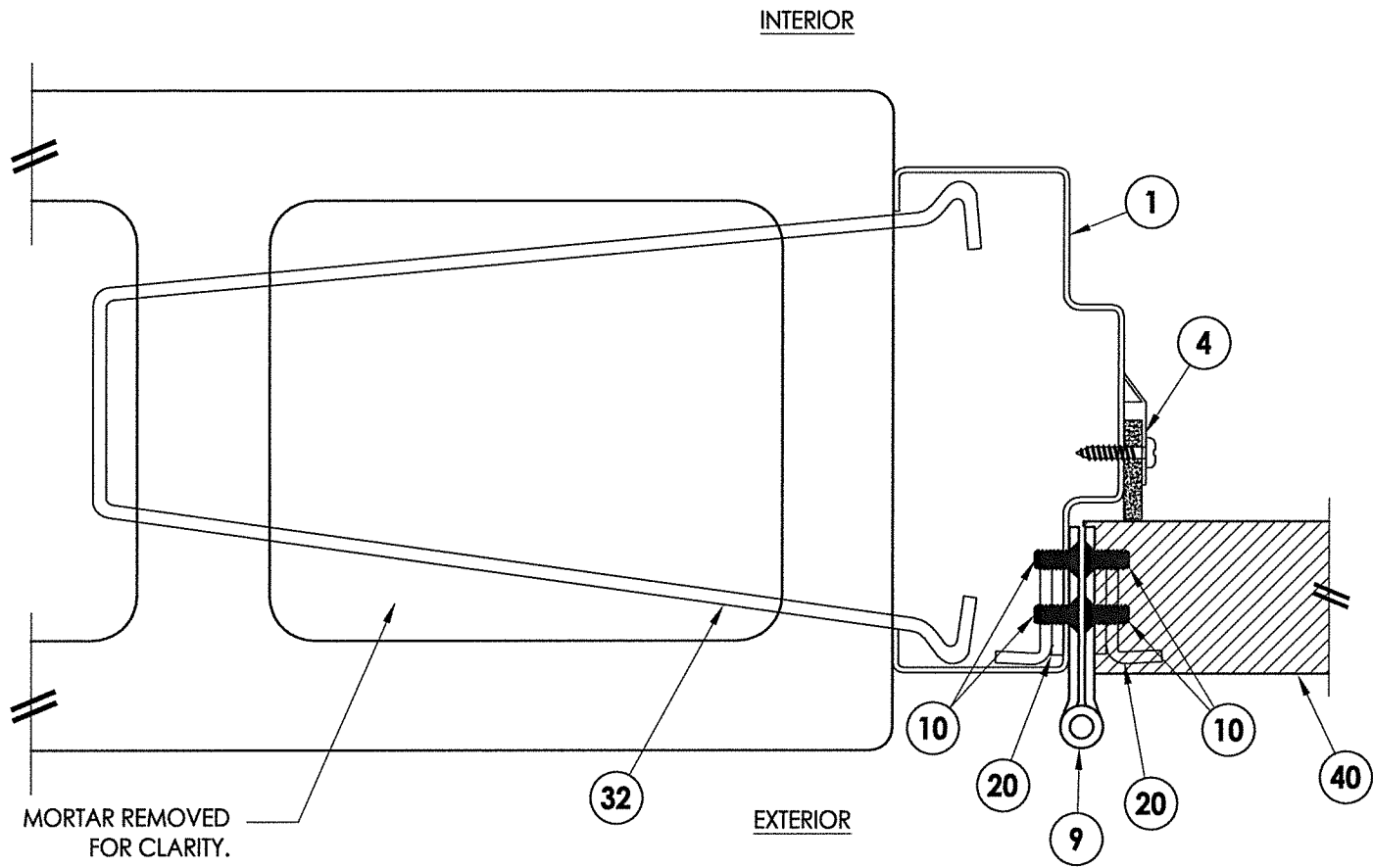


September 9, 2020

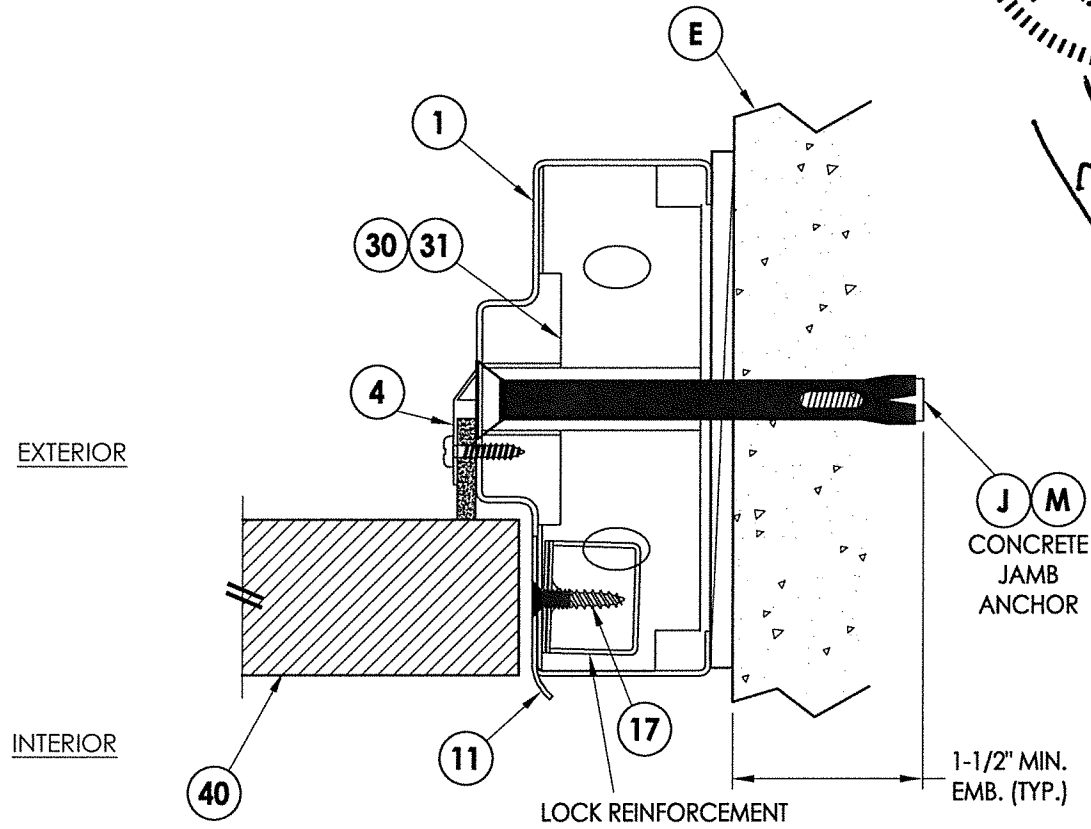
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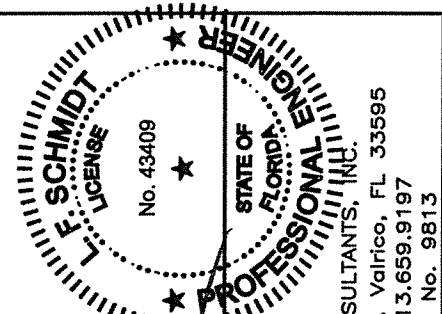
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1
5 **HORIZONTAL CROSS SECTION**
Shown w/ Masonry Wire Anchor
Inswing Shown (Outswing Similar)

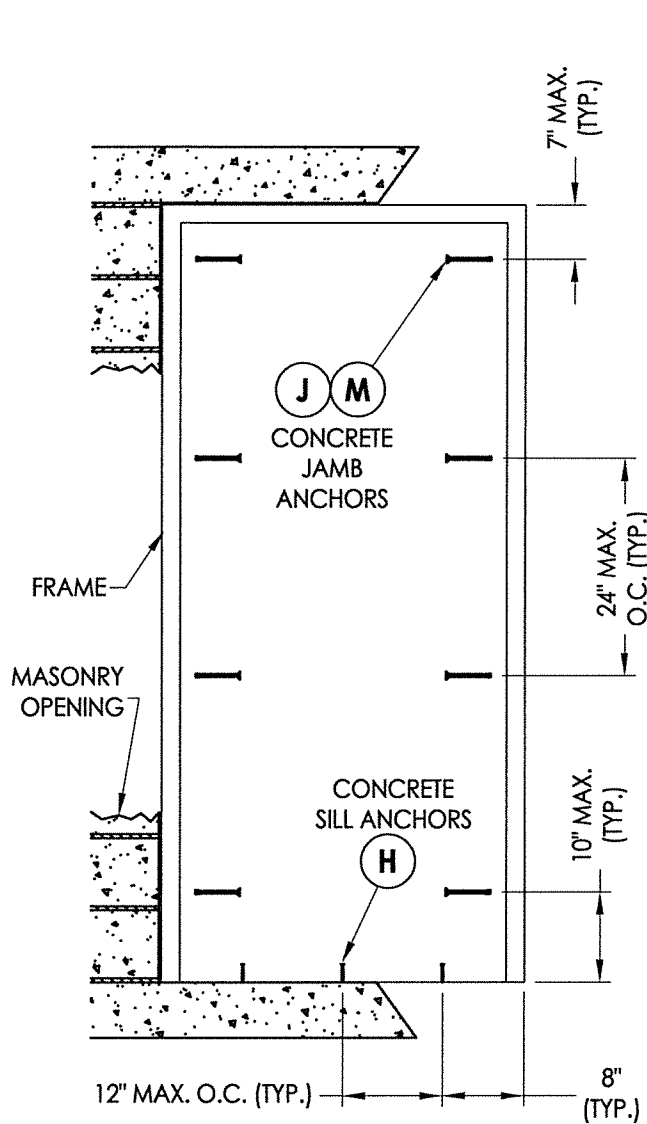


2
5 **HORIZONTAL CROSS SECTION**
Shown w/ Concrete Jamb Anchor
Inswing Shown (Outswing Similar)

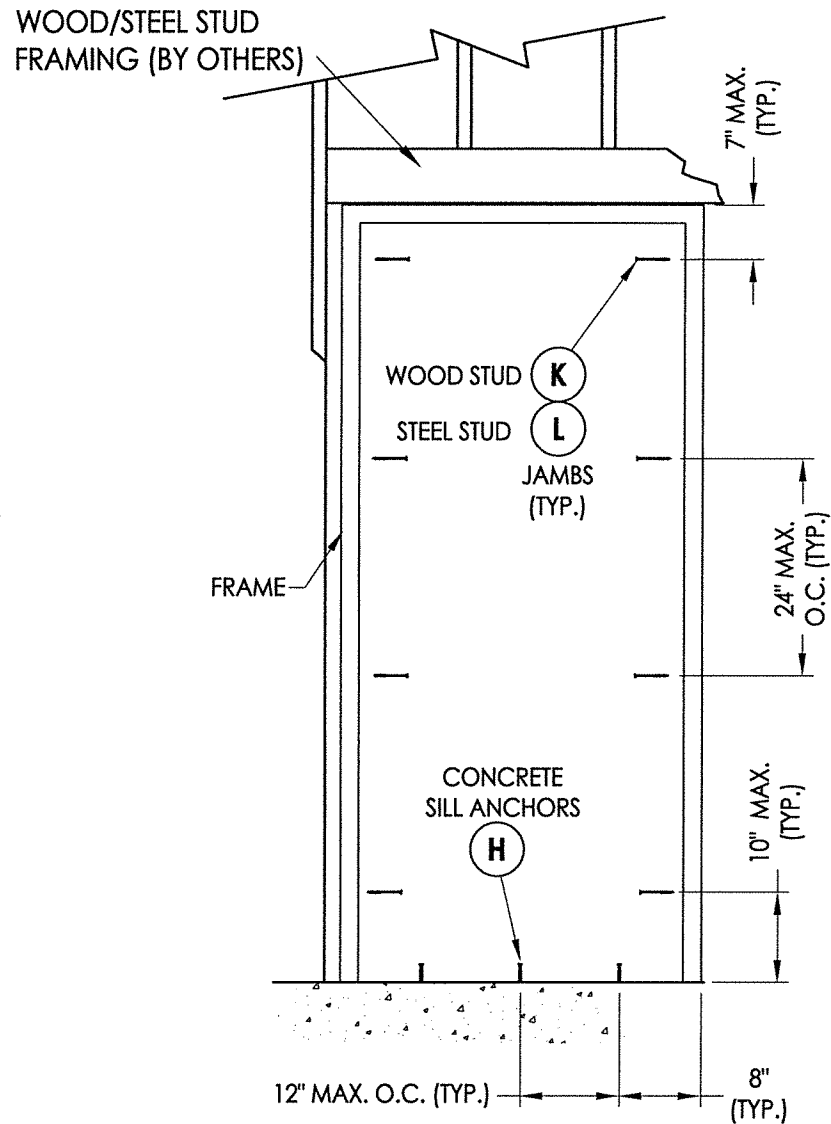


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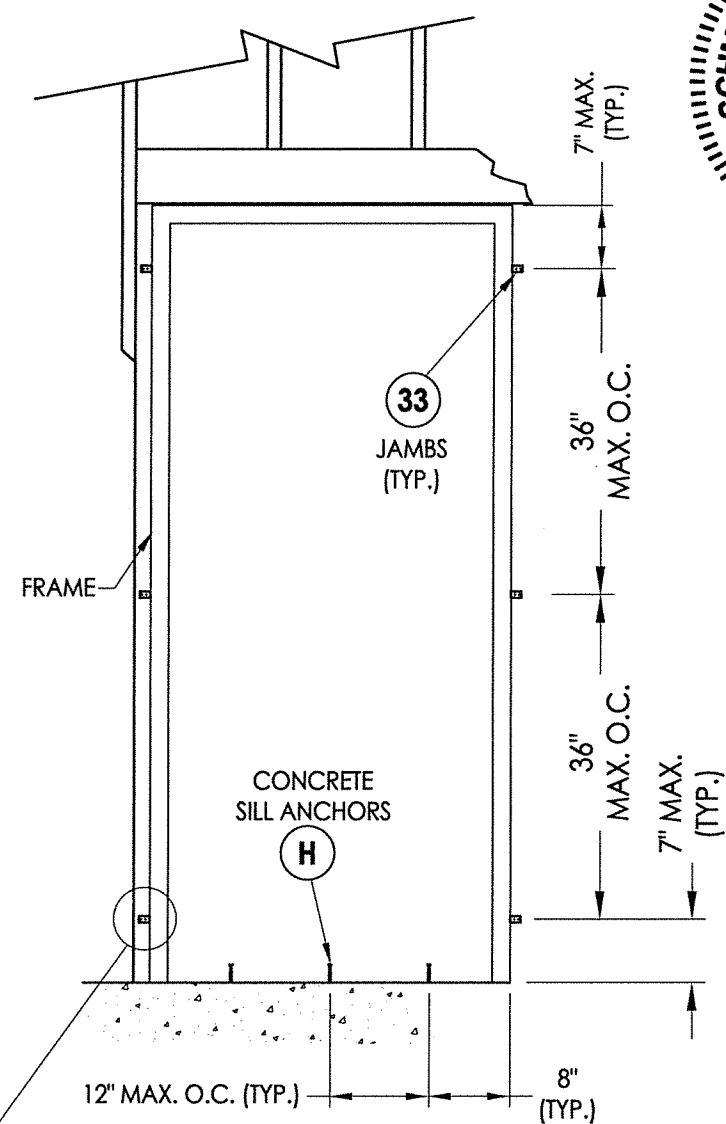
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FRAME ANCHORING
Masonry Construction
Concrete Anchors

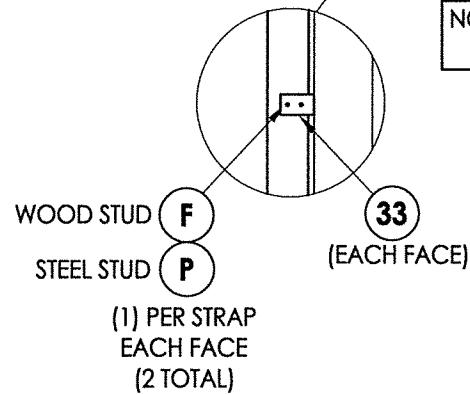


FRAME ANCHORING
Wood/Steel Stud
Through the Frame



FRAME ANCHORING
Wood/Steel Stud
Strap Anchors

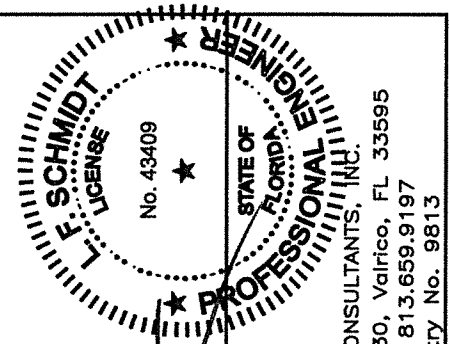
NOTE: WOOD/STEEL STUD STRAP ANCHOR INSTALLATION
IS NOT QUALIFIED FOR USE IN THE "HVHZ"



CONCRETE ANCHOR NOTES:

- Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	JAMBS	3/8"	LDT TAPCON® (ITW BUILDEX)	3"	1-1/2"
	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT) TAPPER+® (POWERS)	2-1/2"	1-3/4"
CONCRETE SLEEVE ANCHOR	JAMBS	3/8"	DYNABOLT SLEEVE ANCHOR® (ITW REDHEAD)	2-1/4"	1-1/2"



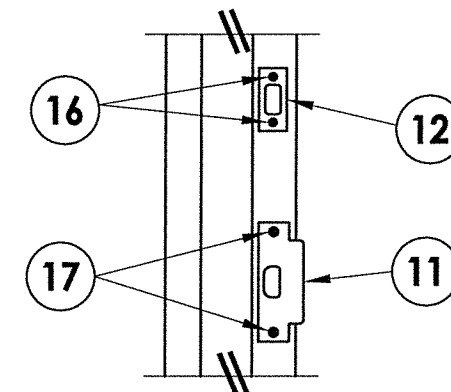
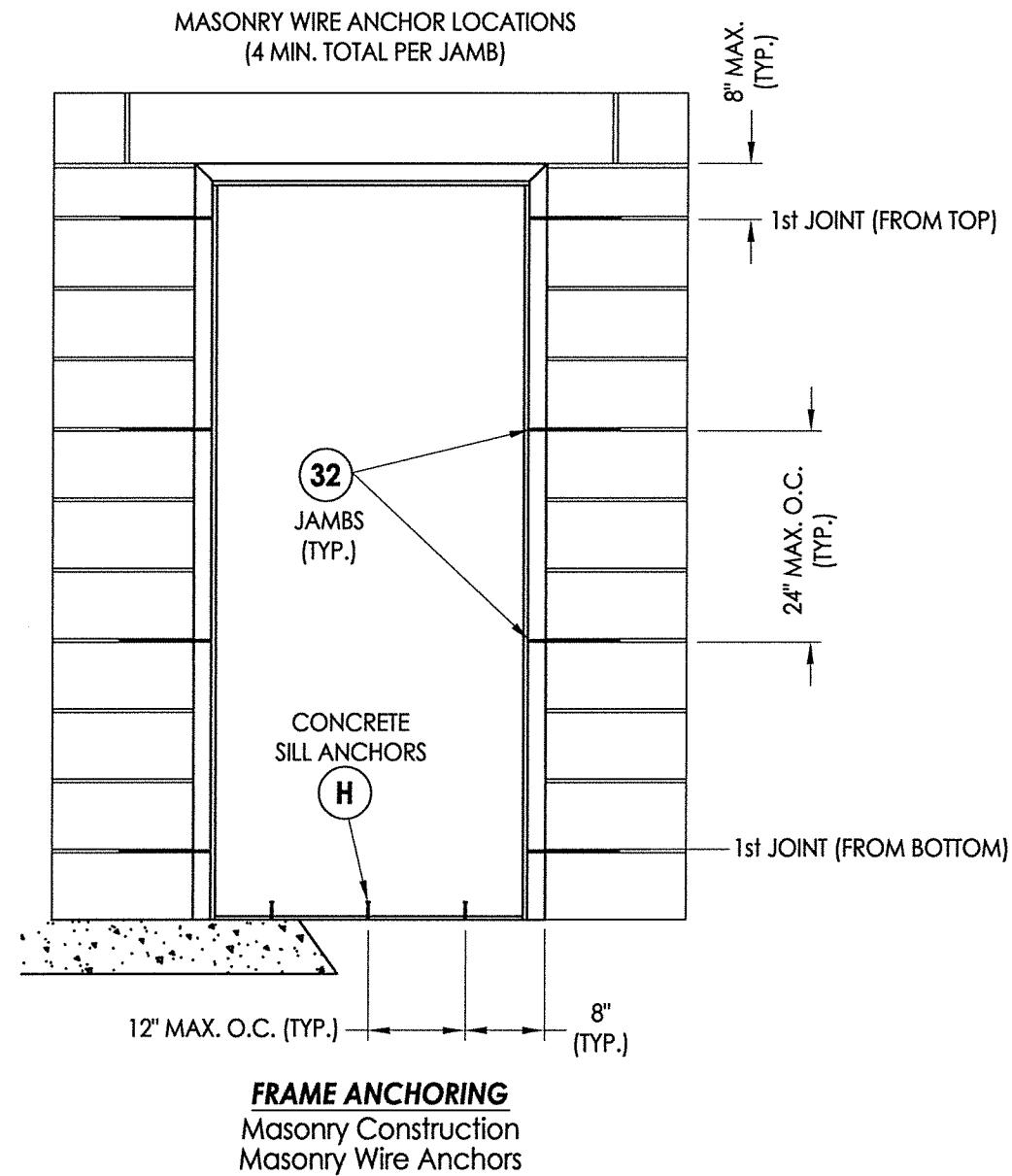
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		VISION HOLLOW METAL	
PART OR ASSEMBLY:		FRAME ANCHORING	
DATE	9/08/20	UPDATE TO 7TH ED. (2020)	FBC
	11/5/19	ADJUST ANCHOR SPACING	LFS
NO.		DATE	BY
1		DATE	BY
REVISIONS			
DATE: 7/08/18			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-19036.5			
SHEET 6 OF 8			

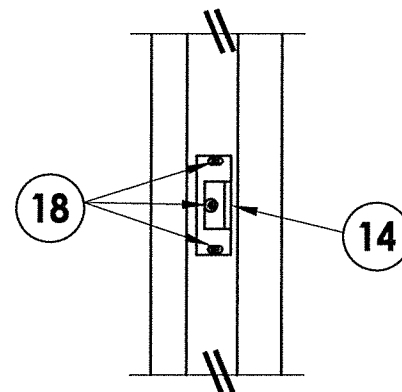
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- Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT) TAPPER+® (POWERS)	2-1/2"	1-3/4"

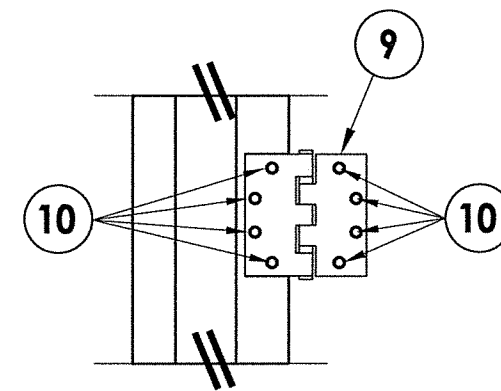


STRIKE DETAIL
Latch & Deadbolt

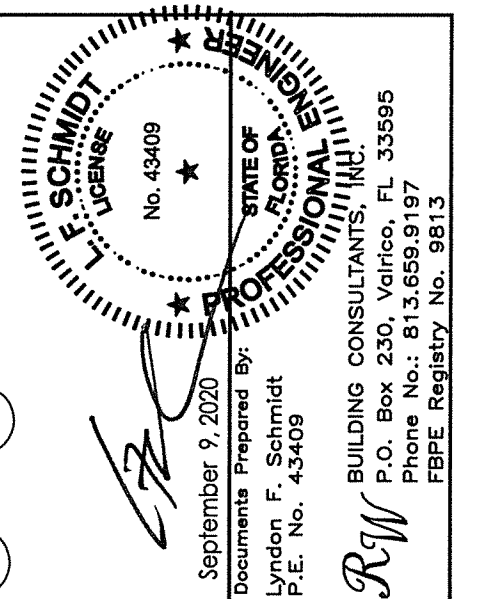


STRIKE DETAIL

Rim Exit Device



HINGE DETAIL

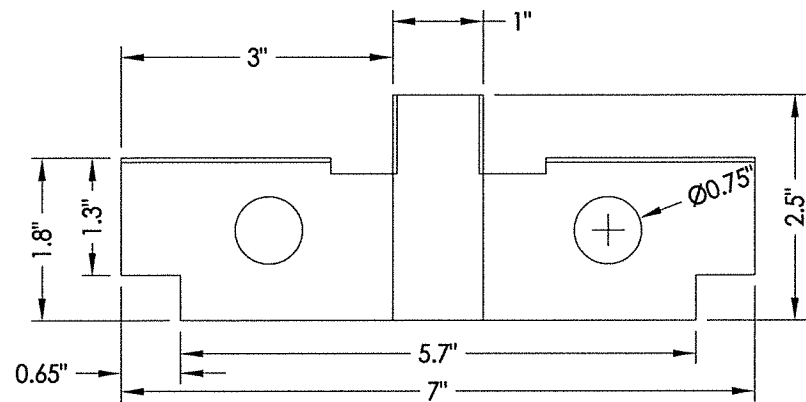


September 9, 2020
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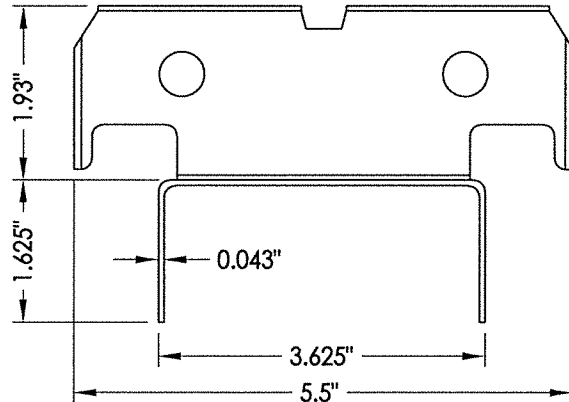
R^W
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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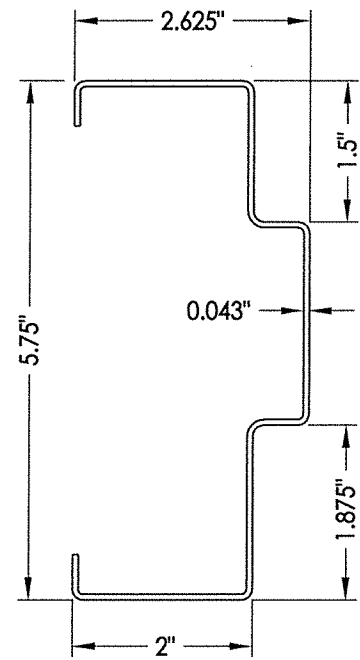
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X STUD FRAMING (G>= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
F	#8 X 1-1/2" PFH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
H	1/4" X 1-3/4" PFH CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
J	3/8" X 5" PFH DYNABOLT SLEEVE ANCHOR (SEE CONCRETE ANCHOR TABLE)	STEEL
K	3/8" X 5" FH LAG SCREW (2-1/8" MIN. EMBEDMENT)	STEEL
L	3/8" Ø SMS (MUST PENETRATE MIN. 3 THREADS THROUGH STEEL STUD)	STEEL
M	3/8" X 5" LDT TAPCON CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
P	#10 X 1-1/2" FH SELF-DRILLING SMS (MUST PENETRATE MIN. 3 THREADS THROUGH STEEL STUD)	STEEL
X	STEEL STUD (0.125" MIN. THK, Fu = 50 ksi, Fy = 33 ksi)	STEEL
1	HOLLOW METAL FRAME	STEEL
3	OUTSWING THRESHOLD (HAGER 477S)	ALUM
4	FRAME WEATHERSTRIP (HAGER 875S)	-
5	ADA THRESHOLD	ALUM
6	WEATHERSTRIP (Q-LON)	-
7	WEATHERSTRIP (HAGER 736 PRESS-ON)	-
8	DOOR BOTTOM WEATHERSTRIP	-
9	HINGE (4" X 4" OR 4.5" X 4.5")	STEEL
10	#12-24 x 1/2" FH MACHINE SCREW	STEEL
11	LATCH STRIKE PLATE	STEEL
12	DEADBOLT STRIKE PLATE	STEEL
16	#8 x 3/4" FH SCREWS	STEEL
17	#12 x 1" FH SCREWS	STEEL
18	#12 x 1-1/8" PH SMS	STEEL
19	DOOR BOTTOM SHOE (NGP 95WH)	-
20	HINGE REINFORCEMENT (10 GA.)	STEEL
30	EMA PIPE ANCHOR (18 GA)	STEEL
31	EMA BUTTERFLY ANCHOR (18 GA)	STEEL
32	MASONRY WIRE ANCHOR	STEEL
33	STUD STRAP ANCHOR	STEEL
40	STEEL DOOR PANEL (7'-0" DOOR)	STEEL



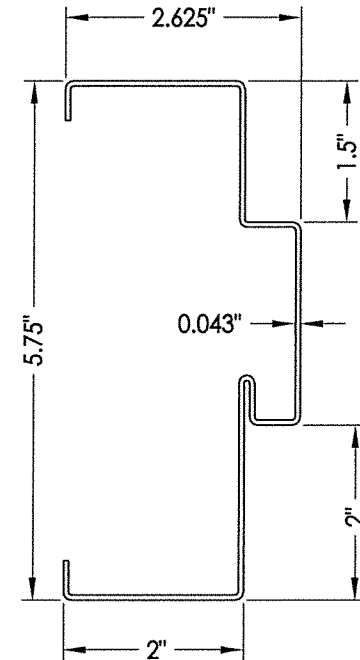
31 EMA BUTTERFLY FRAME ANCHOR



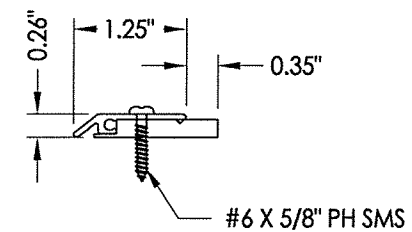
33 STUD STRAP ANCHOR



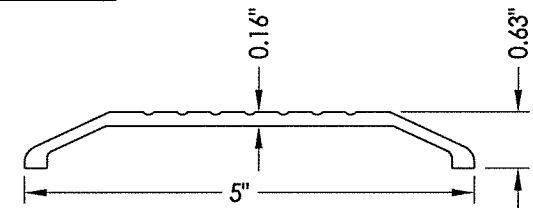
STANDARD FRAME



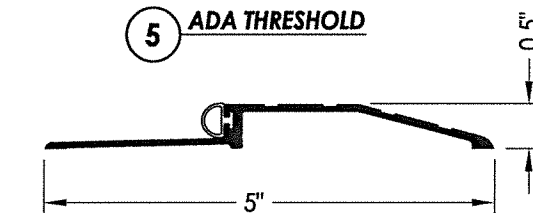
KERFED FRAME



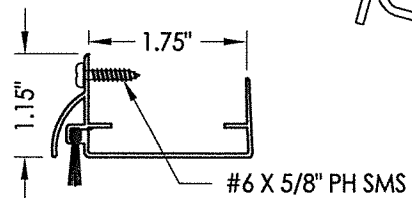
4 FRAME WEATHERSTRIP



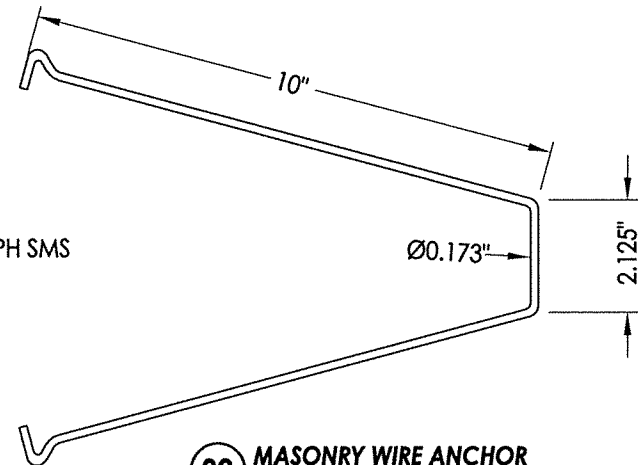
5 ADA THRESHOLD



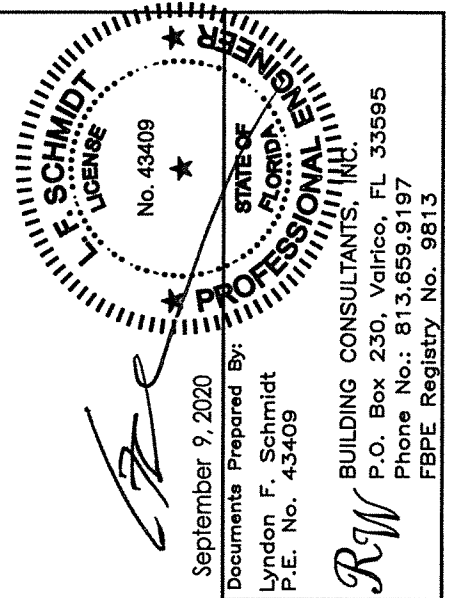
3 OUTSWING BUMP THRESHOLD



19 FRAME WEATHERSTRIP



32 **MASONRY WIRE ANCHOR**
60 KSI MIN.

[illegible]