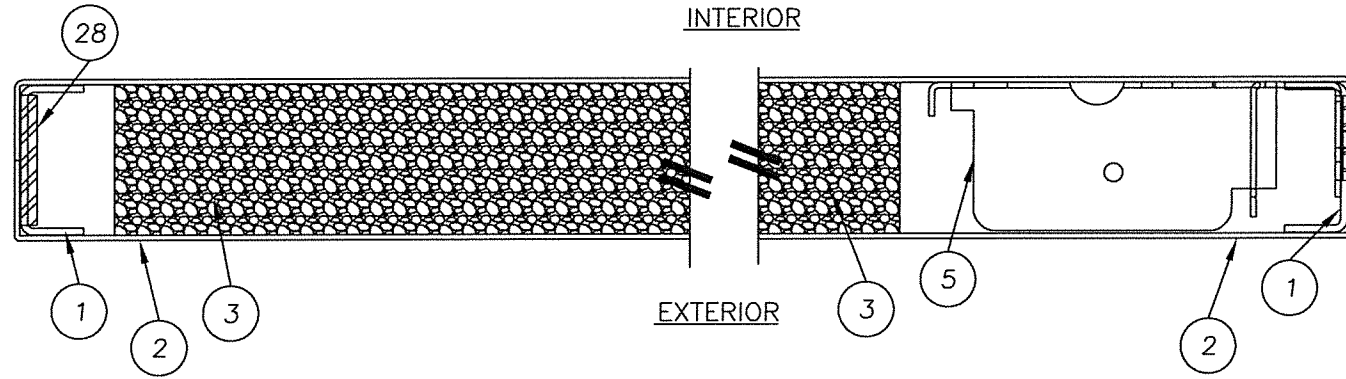
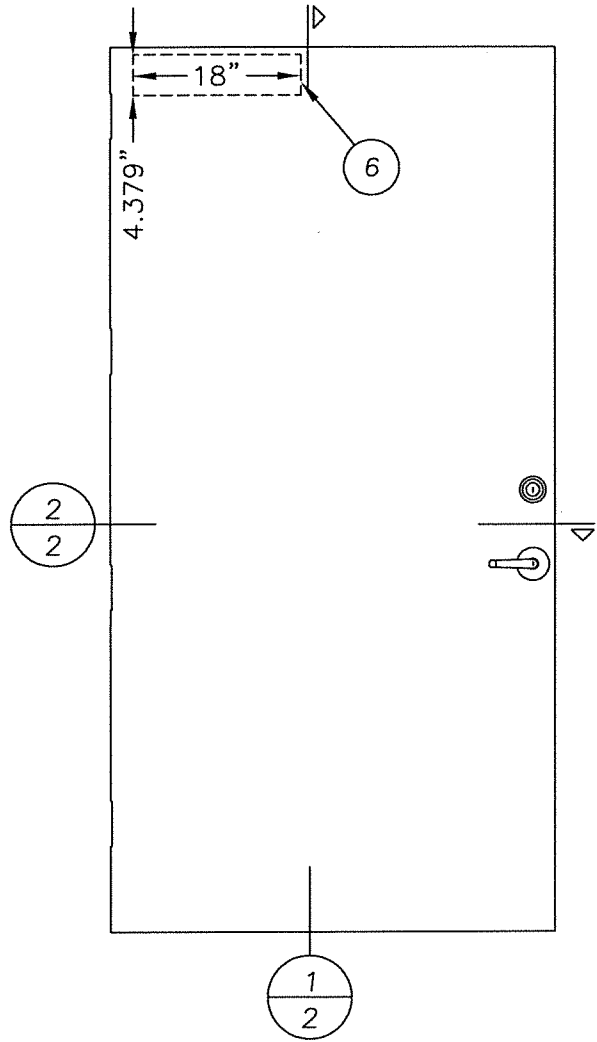
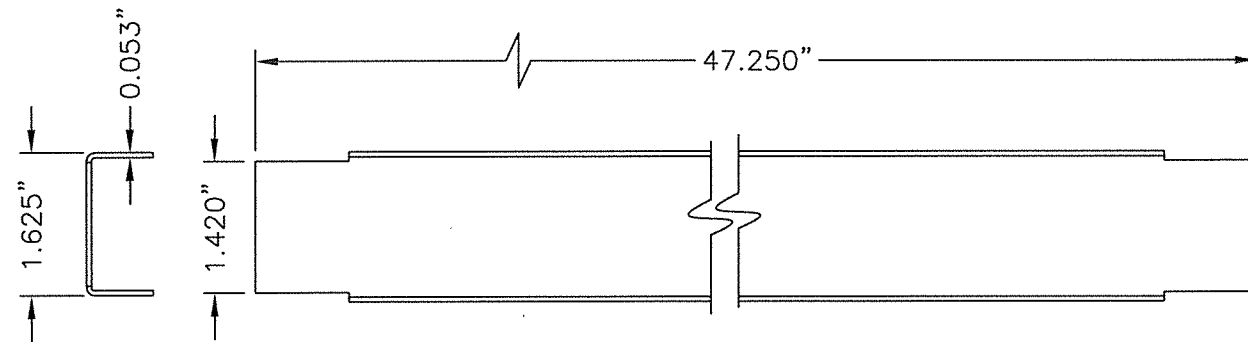
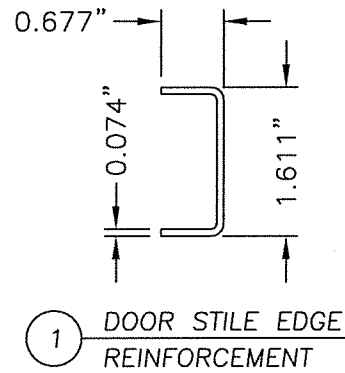


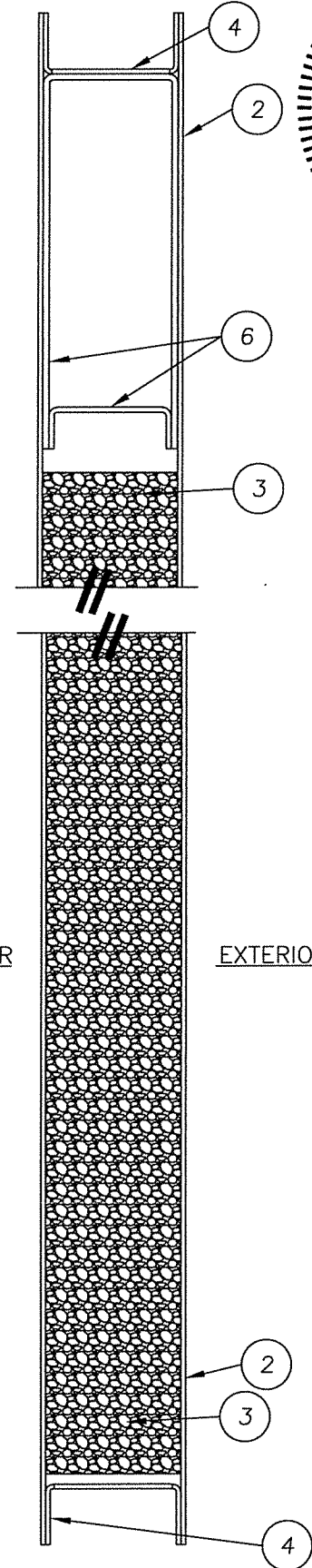


2/2 HORIZONTAL CROSS SECTION



4 DOOR TOP & BOTTOM CLOSER 16GA. (.053) C.R.S.

INTERIOR EXTERIOR



1/2 VERTICAL CROSS SECTION

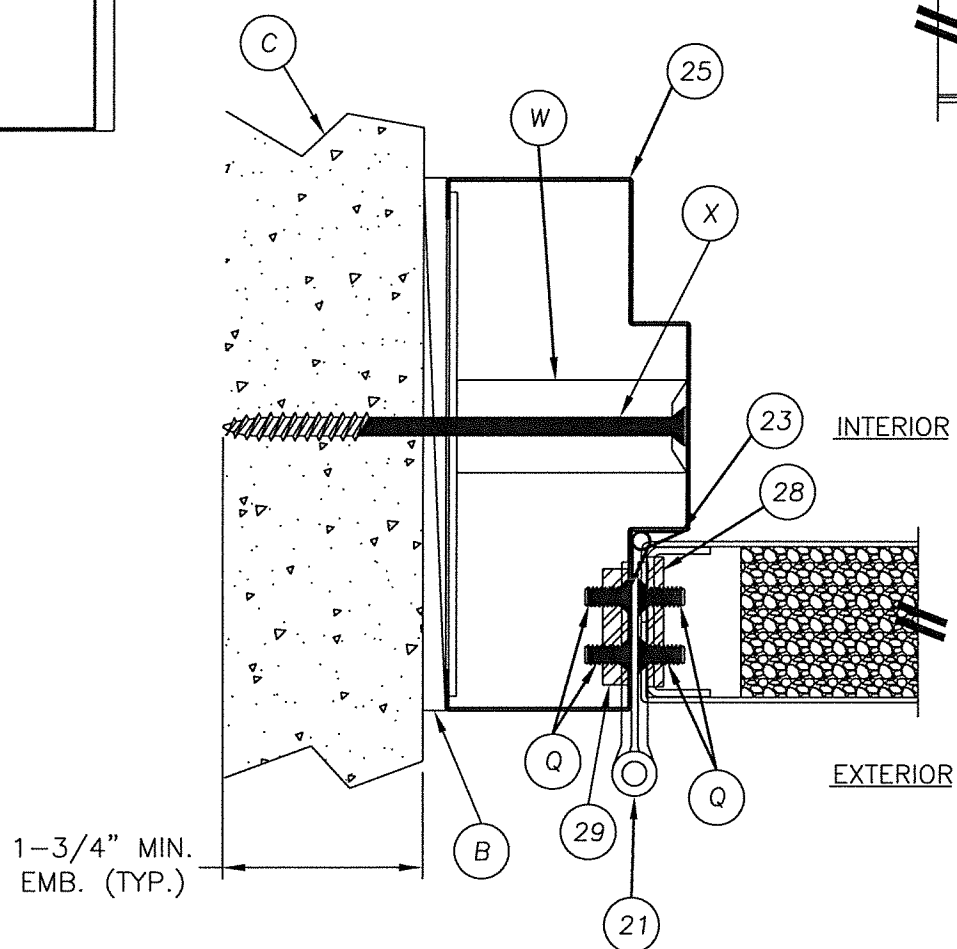
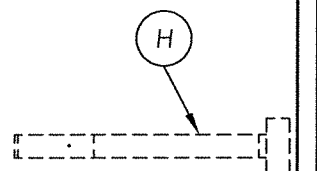
October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

FL. SCHMIDT
LICENSE
No. 43409
STATE OF
FLORIDA
PROFESSIONAL
ENGINEER

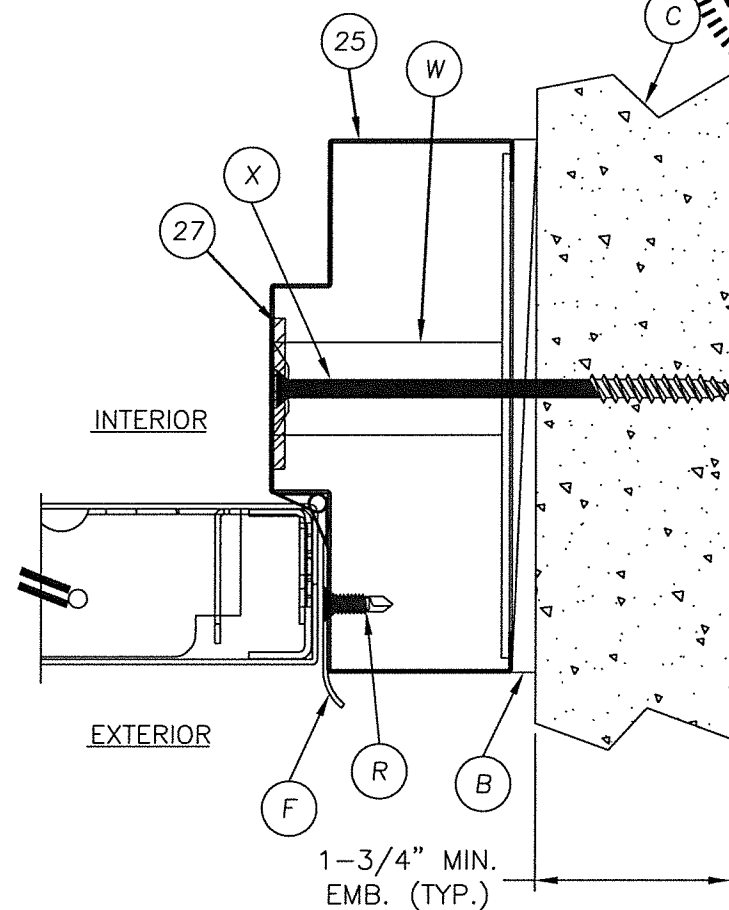
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	MEGAMET INDUSTRIES, INC. "D" PANELS "IMPACT"		
PART OR ASSEMBLY:	DOOR PANEL DETAILS		
DATE	NO.	DATE	REVISIONS
10/05/20	2	10/05/20	UPDATE TO 7TH ED. (2020) FBC LFS
10/16/17	1	10/16/17	UPDATE TO 6TH ED. (2017) FBC LFS
			BY

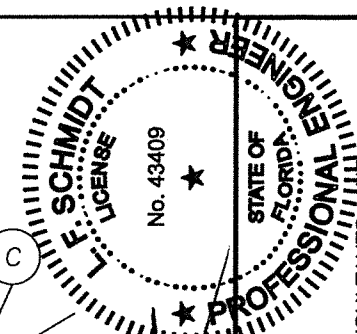
DATE: 1/05/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16493.15
SHEET 2 OF 10



1 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR



2 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR



October 5, 2020

October 3, 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:
MEGAMET INDUSTRIES, INC.
"D" PANELS "IMPACT"

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

2	10/05/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
1	10/16/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
NO.	DATE	BY		
REVISIONS				

DATE: 1/05/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16493.15

SHEET 3 OF 10

Figure 1 is a cross-sectional diagram of a building exterior wall and roof assembly. The diagram shows the interior space on the left and the exterior space on the right. Key components labeled include: 25 (top interior wall), V (vertical interior wall), 23 (corner joint), 27 (horizontal interior wall), F (flashing), R (roofing material), C (concrete or masonry), and 26 (roof slope). The exterior wall is shown with a sloped roof section. A note indicates "MORTAR REMOVED FOR CLARITY."

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A cross-sectional view of a window assembly. At the top is a concrete slab (C) containing aggregate. Below it is a window frame (B). A seal (25) is located at the bottom of the frame. A hinge (23) is shown at the bottom of the frame, connecting it to a vertical support structure. The interior is on the left and exterior on the right.

INTERIOR

EXTERIOR

42 41 40

24

44

T

C

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



L.F. SCHMIDT
LICENSE
No. 43409
STATE OF FLORIDA
PROFESSIONAL ENGINEER

October 5, 2020

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" PANELS "IMPACT"

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

REVISONS	
NO.	DATE
2	10/05/20 UPDATE TO 7TH ED. (2020) FBC LFS
1	10/16/17 UPDATE TO 6TH ED. (2017) FBC LFS
	BY

DATE: 1/05/15

SCALE: N.T.S.

DWG. BY: JK

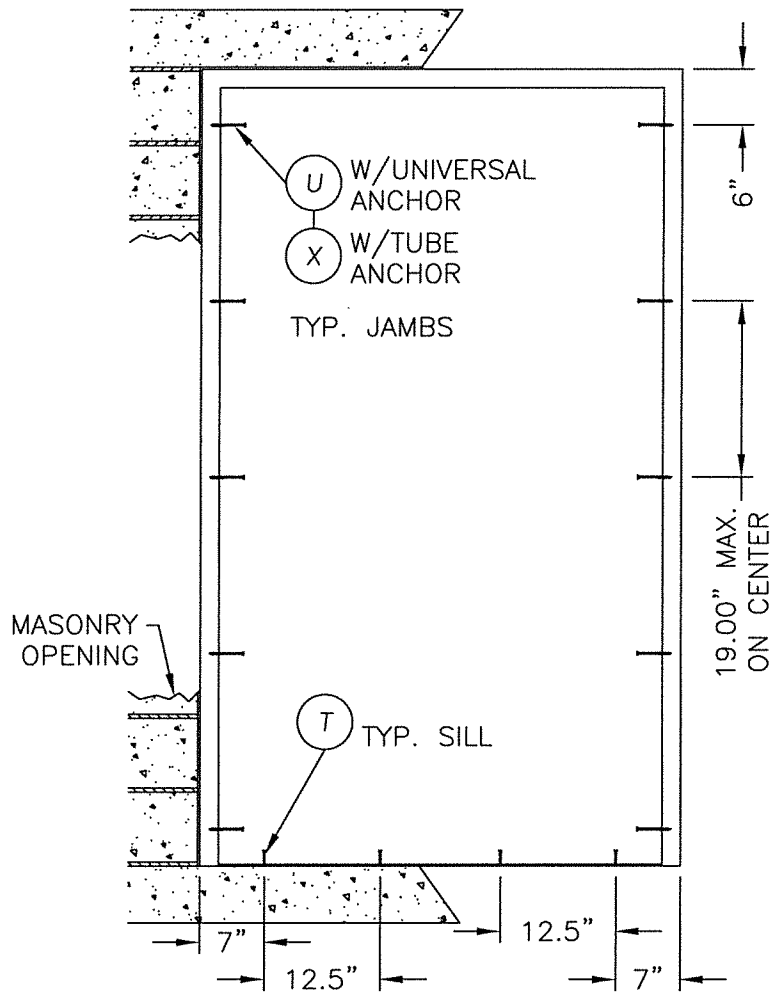
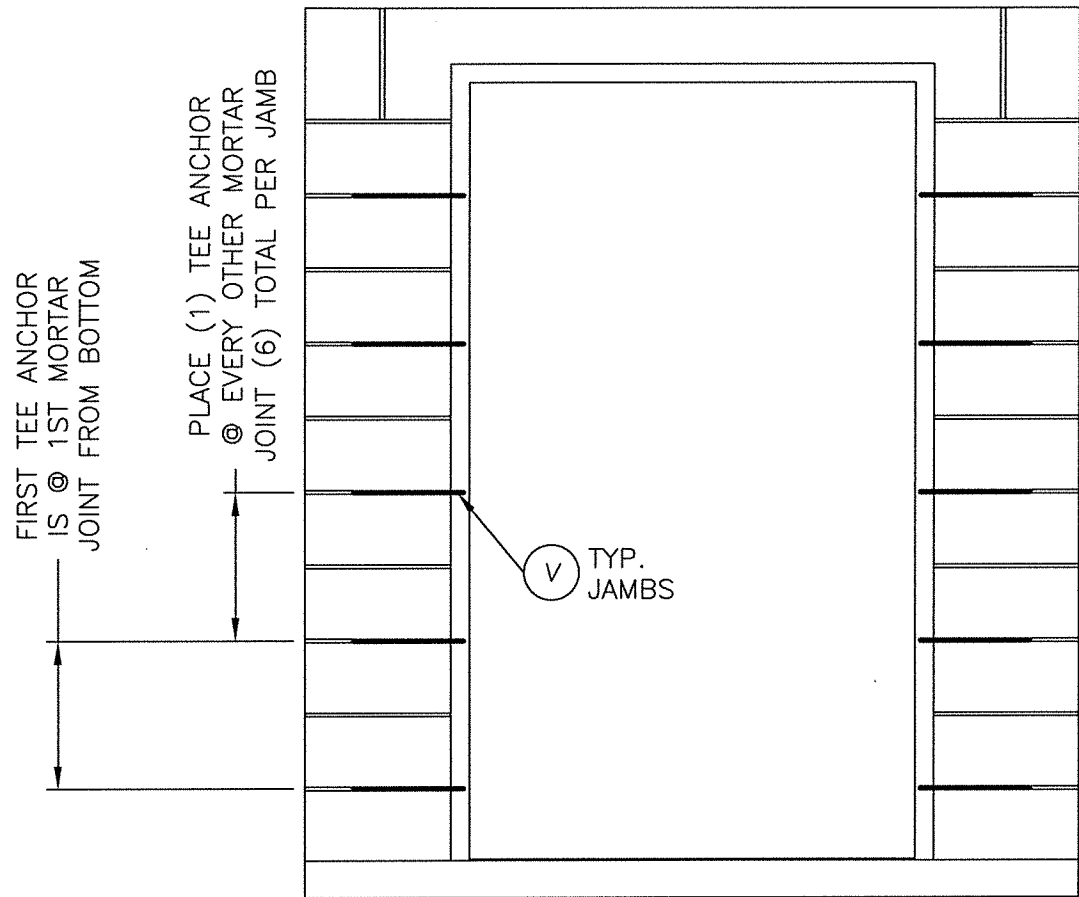
CHK. BY: LFS

DRAWING NO.:
FL-16493.15

SHEET 6 **OF** 10

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

R:\Clients\Megamet PERMANENT\A - Florida Product Approvals\FL-16493\C - Drawings\FL-16493 (2020)\FL-16493.13.15.17.dwg, 3-7



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"
ITW TAPCON® XL	5/16"	1-3/4"	2-1/2"	5"
DeWALT ULTRACON®	5/16"	1-3/4"	3-1/8"	5"

4. Embedment may be through 1-1/4" face shell of hollow block.

F. SCHMIDT

No. 43409

FLORIDA

PROFESSIONAL ENGINEER

October 5, 2020

Documents Prepared By:
Lyndon F. Schmidt
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RW

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

PRODUCT:	MEGAMET INDUSTRIES, INC. "D" PANELS "IMPACT"		
PART OR ASSEMBLY:	FRAME ANCHORING		
DATE	NO.	DATE	BY
10/05/20	2	10/05/20	LFS
10/16/17	1	10/16/17	LFS

DATE: 1/05/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16493.15

SHEET 7 OF 10

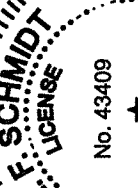
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47.25"

A schematic diagram of a vertical assembly, possibly a door or window frame. It consists of two vertical bars connected by two horizontal bars at the top and bottom. The top and bottom horizontal bars are broken in the middle, indicated by two parallel diagonal lines. On the left vertical bar, there are two rectangular components. The upper component has a small circle on its left side and a small dot on its right side. The lower component has a small circle on its left side and a small dot on its right side. Labels with arrows point to these components and their features: 'P' points to the upper component, 'G' points to the dot on the upper component, 'P' points to the dot on the lower component, 'R' points to the circle on the lower component, 'F' points to the lower component, and 'R' points to the circle on the lower component.

A schematic diagram of a bolted joint. A central bolt is shown with a nut and washers. Labels 'J', 'O', and 'H' are used to identify components: 'J' points to the bolt head, 'O' points to the washers, and 'H' points to the nut. The bolt is shown passing through a series of vertical lines representing the joint members.



October 5, 2020

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

PRODUCT:
MEGAMET INDUSTRIES, INC.
"η" PANELS "IMPACT"

PART OR ASSEMBLY:

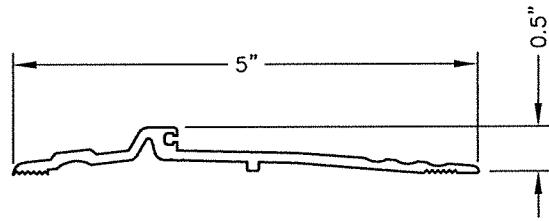
ANCHORING DETAILS

REVISIONS

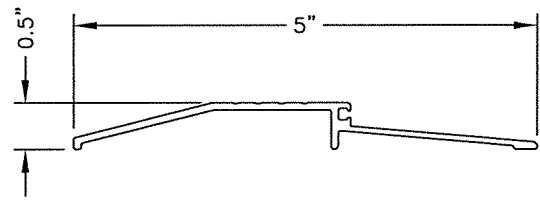
SHEET 8 OF 10

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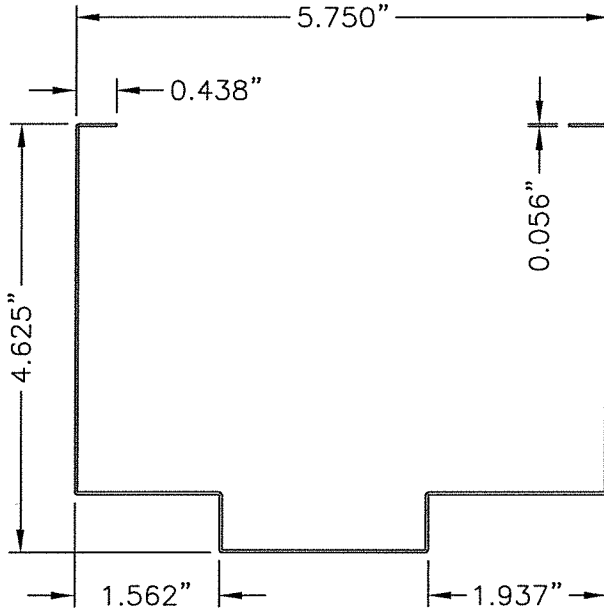
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	1/4" MAX. SHIM SPACE	WOOD
C	3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
D	DESIGN HARDWARE D2-SERIES DEADBOLT	STEEL
E	DESIGN HARDWARE X-SERIES LATCH (161 PREP)	STEEL
F	LATCH STRIKE PLATE	BRASS
G	DEADBOLT STRIKE PLATE	STEEL
H	VON DUPRIN 99 SERIES RIM PANIC HARDWARE	STEEL
J	RIM PANIC STRIKE PLATE	STEEL
O	#12 X 1" H.H. SELF TAPPING SCREW	STEEL
P	#8 X 3/4" PFH SCREW	STEEL
Q	#12 X 1/2" MACHINE SCREW	STEEL
R	#12 X 3/4" PFH SELF TAPPING MACHINE SCREW	STEEL
T	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
U	5/16" X 4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
V	MASONRY 'TEE' ANCHOR (PFMT5)	STEEL
W	TUBE ANCHOR	STEEL
X	5/16" X 5" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	DOOR STILE EDGE REINFORCEMENT	STEEL
2	DOOR SKIN 16GA (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL
3	FOAM (D DOOR) 1.0 PCF MIN. DENSITY	POLYSTYRENE
4	DOOR TOP & BOTTOM CLOSER	STEEL
5	LOCK BOX REINFORCEMENT	STEEL
6	CLOSER REINFORCEMENT	STEEL
21	HINGE	STEEL
22	STD. (LONG) DOOR HINGE REIN. (TOP HINGE PDNLHR 450)	STEEL
23	WEATHERSTRIP	FOAM
24	THRESHOLD WEATHERSTRIP (NATIONAL GUARD PRODUCTS, INC. ITEM #33)	VINYL
25	FRAME 5-3/4" MIN. WITH 2" HEAD	STEEL
26	FRAME 5-3/4" MIN. WITH 4" HEAD	STEEL
27	14GA. (.075") C.R.S. 161 DEADBOLT FRAME REINFORCEMENT (PFDBR4)	STEEL
28	STD. (SHORT) DOOR HINGE REIN.(MIDDLE & BOTTOM) PDNHR450)	STEEL
29	STD. 4-1/2" FRAME HINGE REINFORCEMENT 7GA.(.175" PF4HR)	STEEL
40	OUTSWING THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
41	OUTSWING THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINUM
42	OUTSWING THRESHOLD PEMKO #2005 V	ALUMINUM
44	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
51	FRAME REINFORCEMENT	STEEL



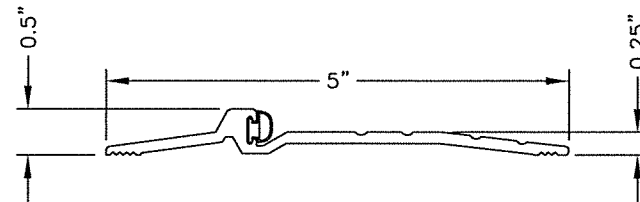
40 THRESHOLD



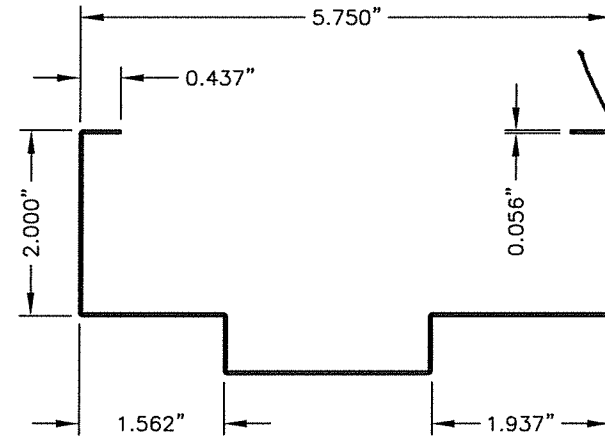
41 THRESHOLD



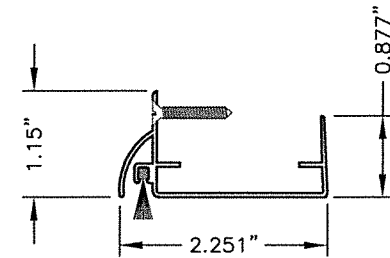
26 FRAME



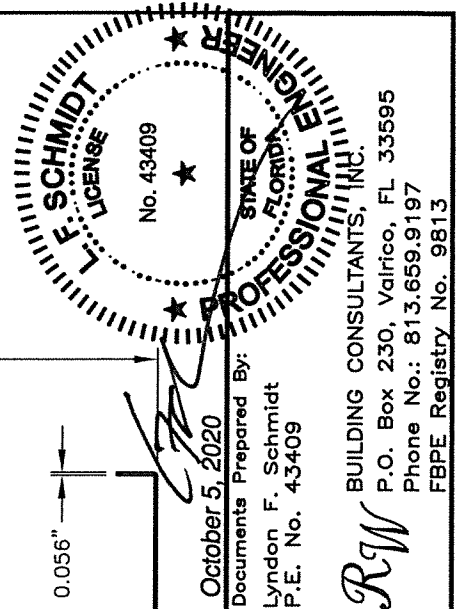
42 THRESHOLD



25 FRAME



44 SWEEP



PRODUCT: MEGAMET INDUSTRIES, INC.
"D" PANELS "IMPACT"

PART OR ASSEMBLY: BILL OF MATERIALS
& COMPONENTS

[illegible]

DATE: 1/05/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16493.15

SHEET 10 OF 10