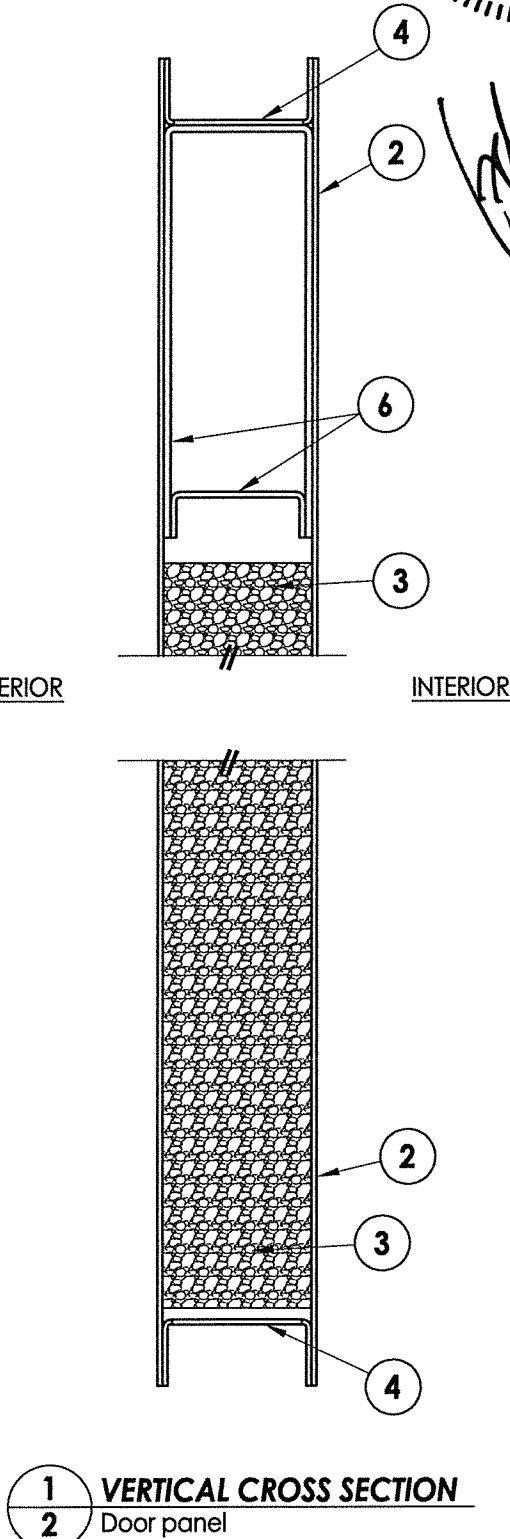
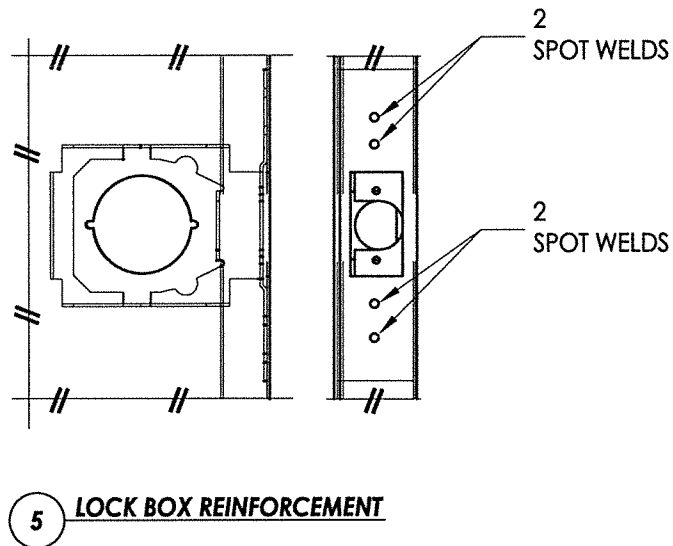
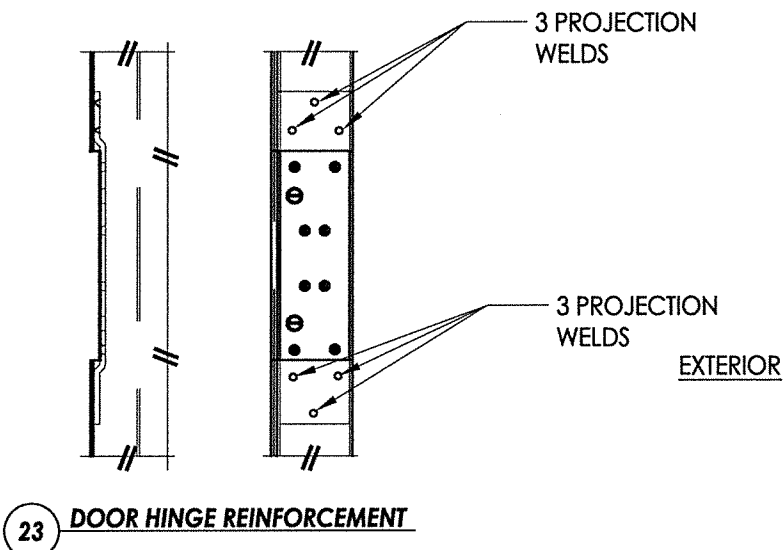
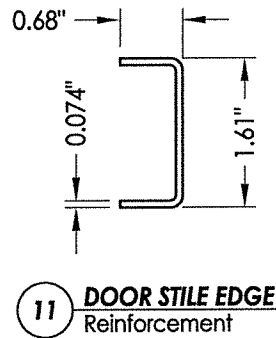
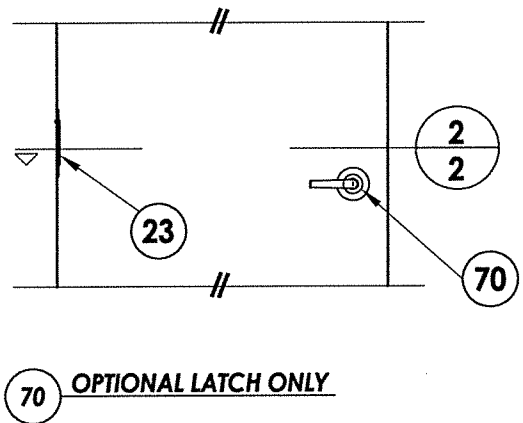
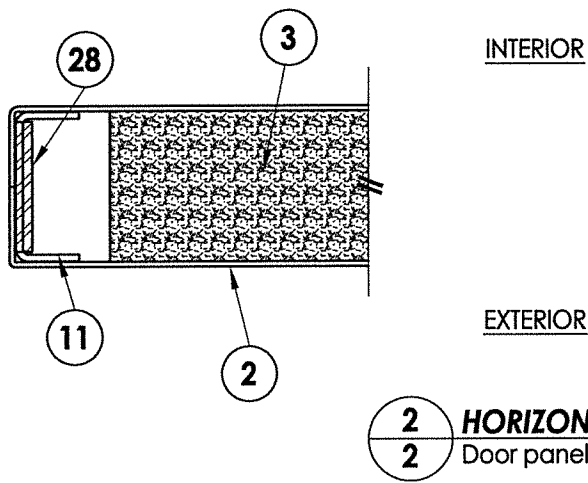
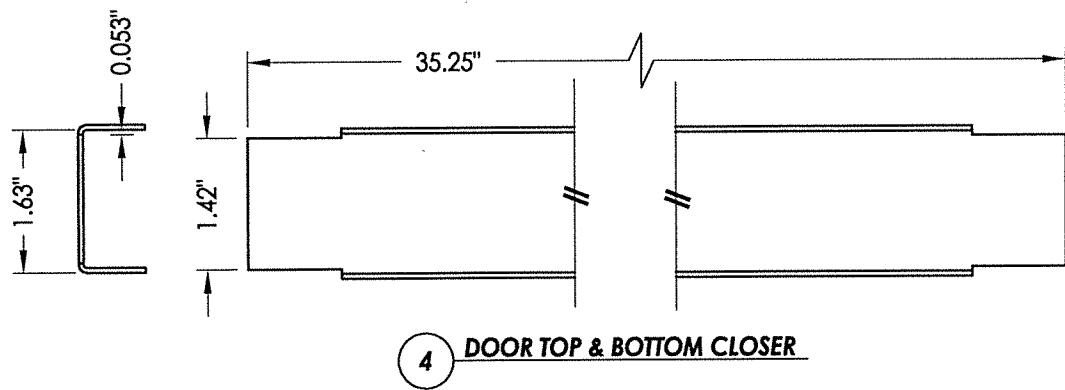
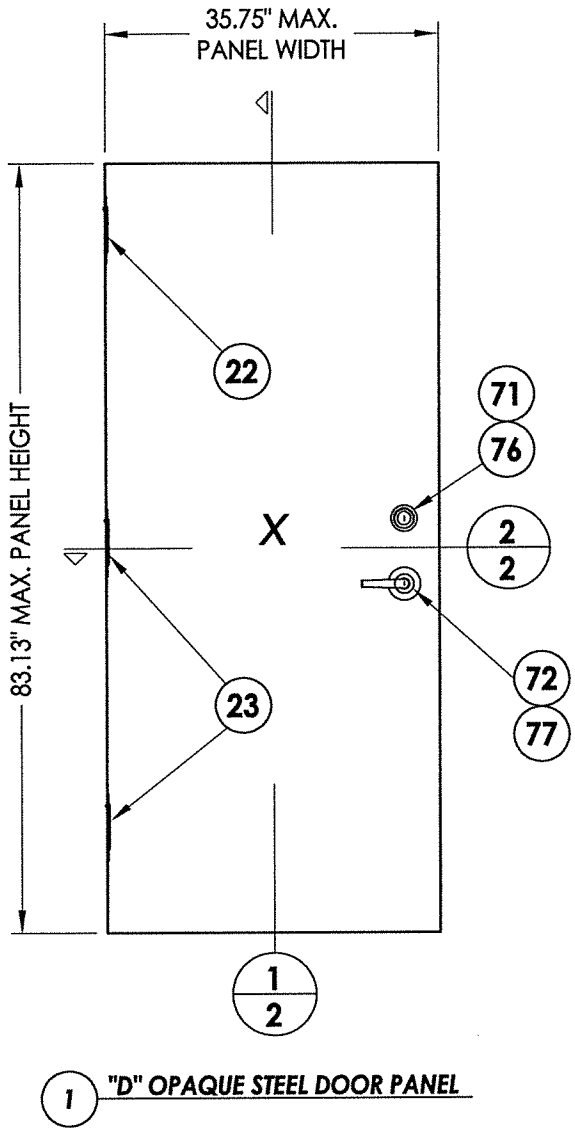


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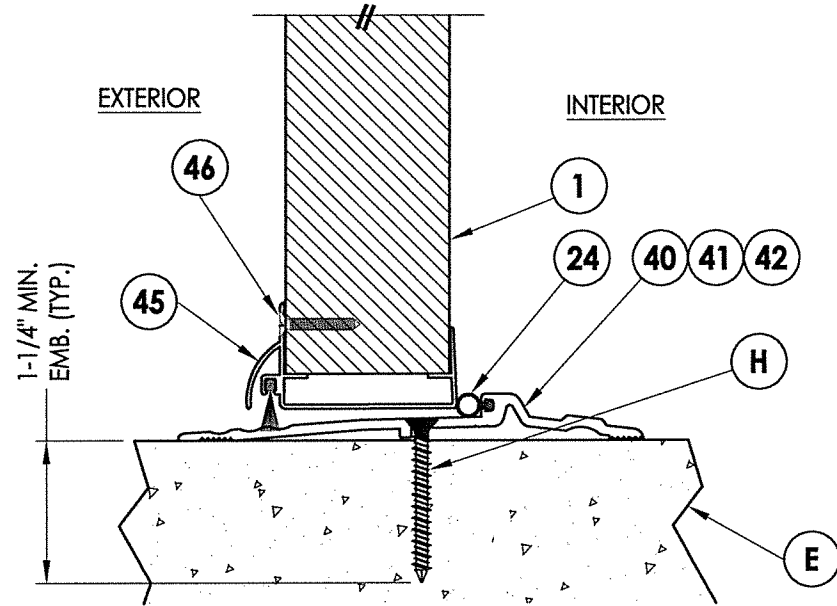


Professional Engineer Seal: E. SCHMIDT, LICENSE No. 43409, STATE OF FLORIDA. Signature: [Signature], Date: October 6, 2020.

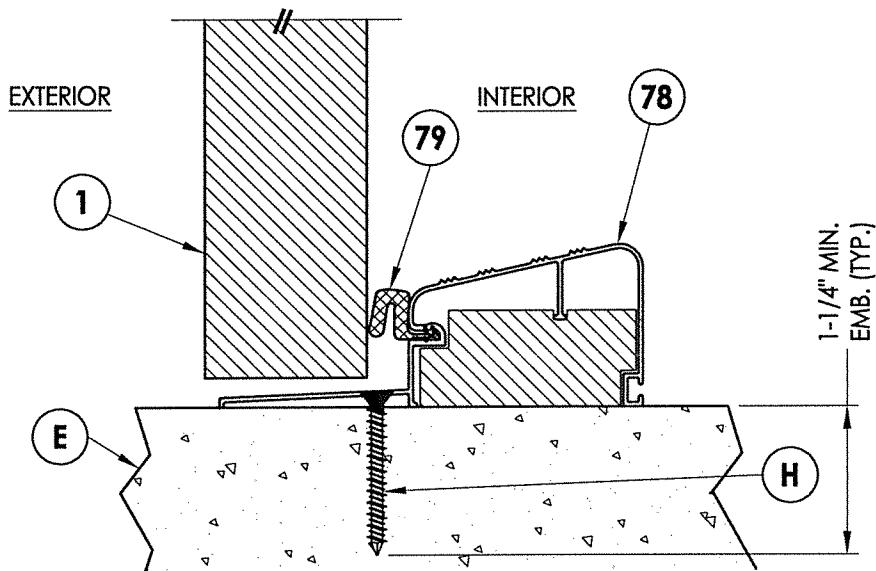
Documents Prepared By: Lyndon F. Schmidt, P.E. No. 43409

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

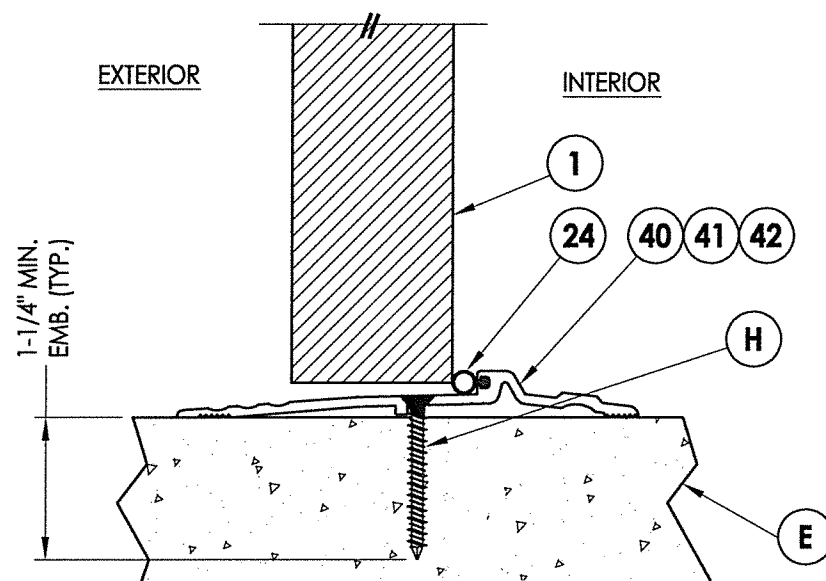
PRODUCT:		MEGAMET INDUSTRIES, INC.	
		"D" STEEL DOOR	
PART OR ASSEMBLY:		DOOR PANEL SECTIONS	
		161 LOCK PREP	
DATE:		7/17/13	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-16494.12	
SHEET		2	OF 8



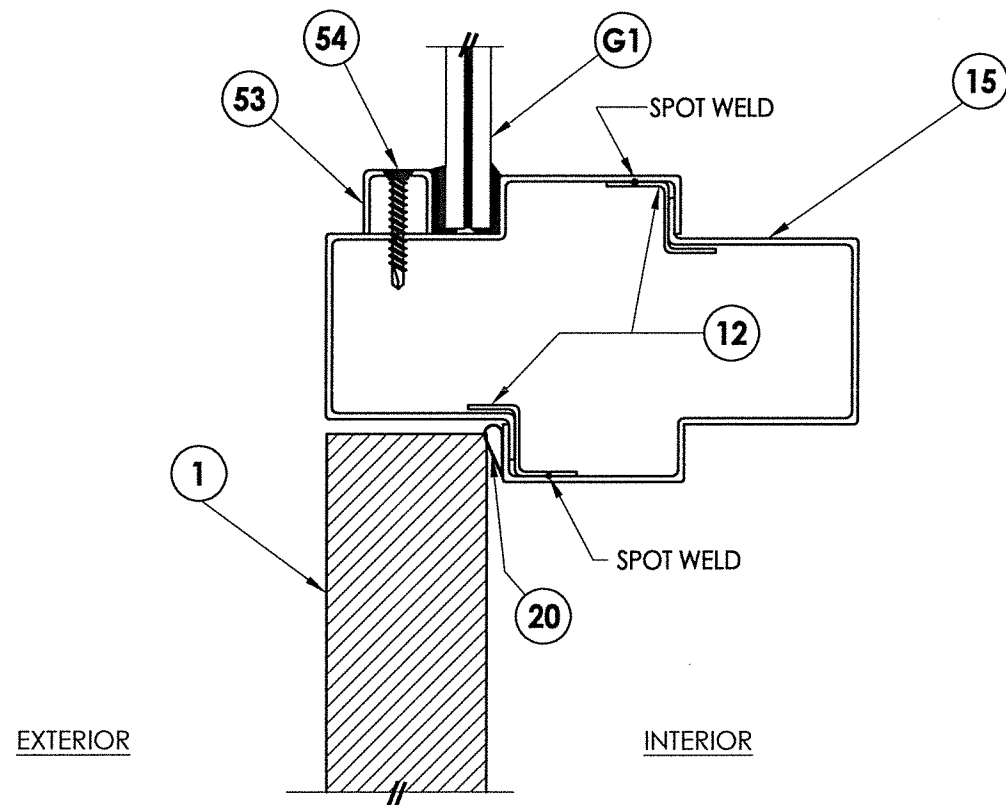
1 VERTICAL CROSS SECTION
4 See general notes, sheet 1 for "HVHZ" water infiltration requirements



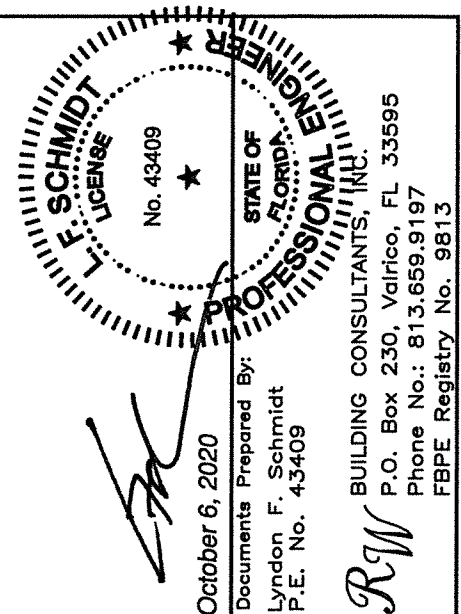
3 VERTICAL CROSS SECTION
4 See general notes, sheet 1 for "HVHZ" water infiltration requirements



2 VERTICAL CROSS SECTION
4 See general notes, sheet 1 for "HVHZ" water infiltration requirements



4 VERTICAL CROSS SECTION
4



October 6, 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:
 MEGAMET INDUSTRIES, INC.
 "D" STEEL DOOR

PART OR ASSEMBLY:
 VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY
3	10/05/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	10/16/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	1/06/15	UPDATE TO 5th ED. (2014) FBC	LFS

DATE: 7/17/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

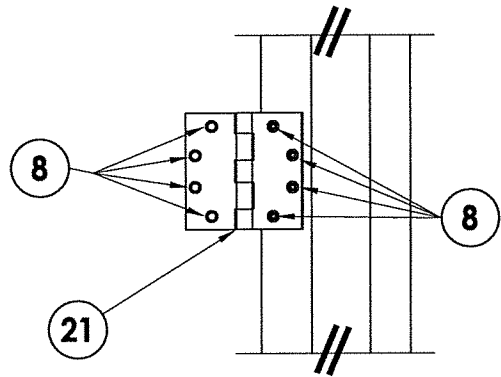
FL-16494.12

SHEET 4 OF 8

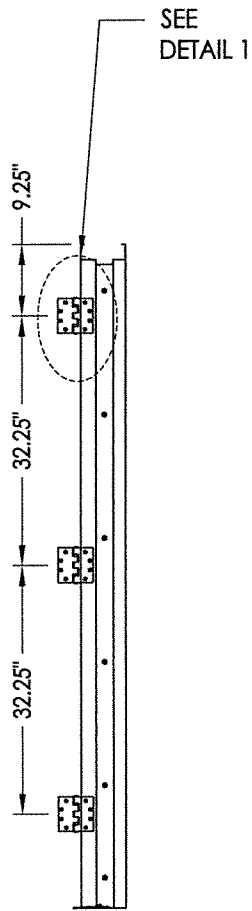
FIG. 1 is a cross-sectional view of a vehicle body structure. It shows a U-shaped component 12 with an outer flange 15. The component 12 is joined to a vertical member G1 via two spot welds. A screw 53 is used to secure the joint, with a washer 54 positioned between the screw head and the component 12. The exterior side is on the left, and the interior side is on the right.

[illegible]

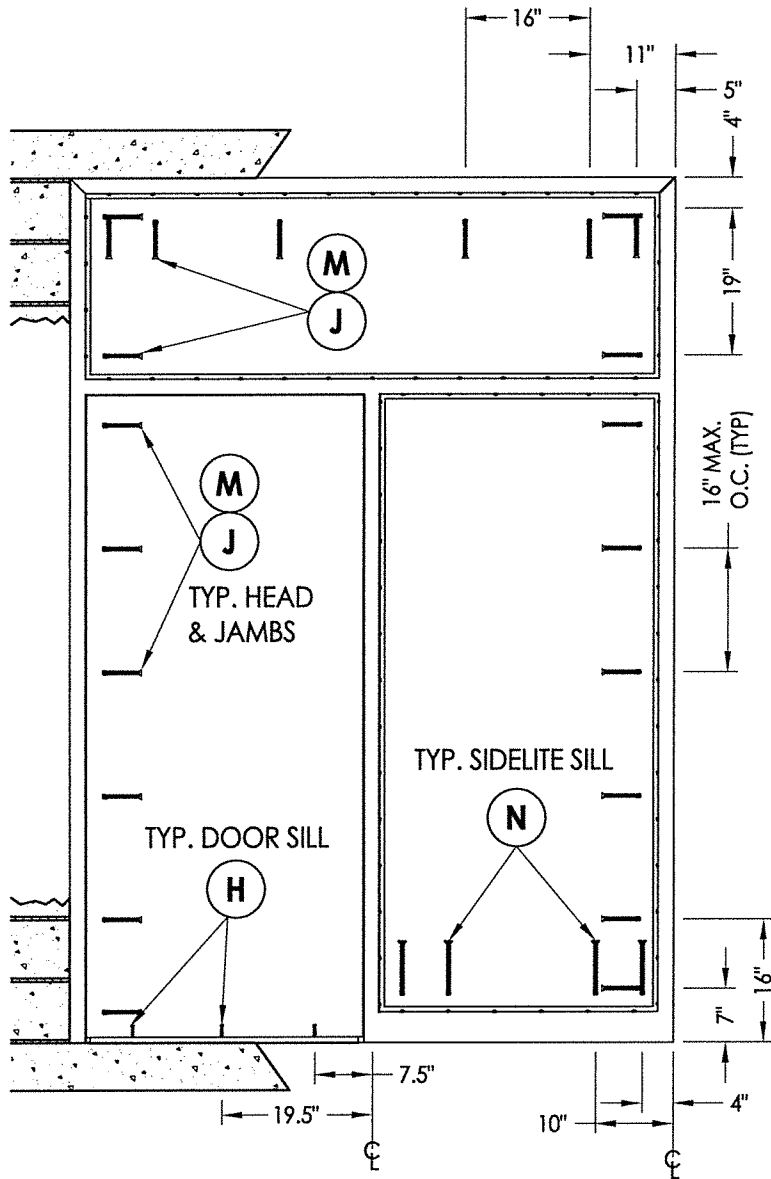
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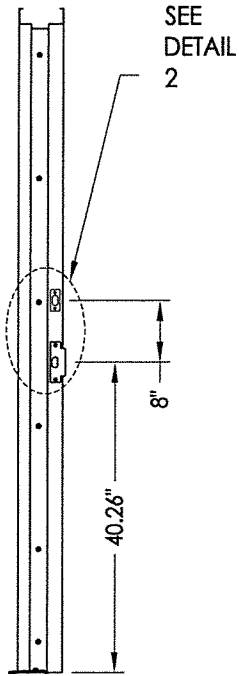
DETAIL 1



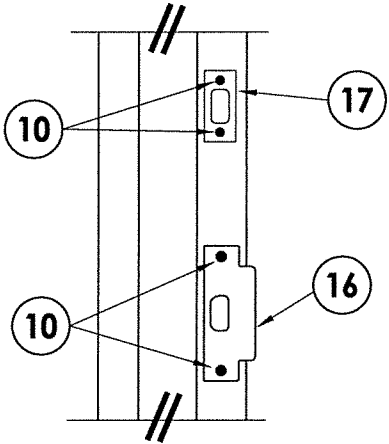
HINGE JAMB



FRAME ANCHORING



STRIKE JAMB

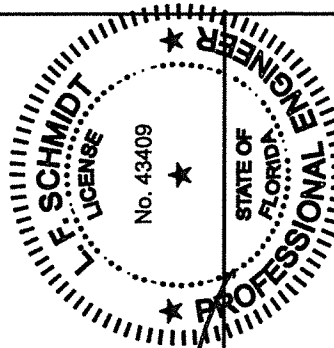


DETAIL 2

ANCHOR NOTES:

1. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements.
2. Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" 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.
3. Concrete Anchor Table:

ANCHOR TYPE	ANCHOR SIZE	MINIMUM EMBEDMENT	MINIMUM CLEARANCE TO MASONRY EDGE	MINIMUM CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"
POWERS TAPPER	3/8"	1-1/2"	4"	3-3/4"
SCREW-BOLT+™	1/2"	2-1/2"	6"	6"



October 6, 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:
MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:
ANCHORING DETAILS

NO.	DATE	REVISIONS
3	10/05/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	10/16/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	1/06/15	UPDATE TO 5th ED. (2014) FBC LFS

DATE: 7/17/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16494.12

SHEET 6 OF 8

Technical drawing of a U-shaped metal part. The overall width is 5.87". The overall height is 2.7". The top flange thickness is 0.056". The bottom flange thickness is 0.5". The bottom flange has a central raised section with a width of 1.85" and a height of 0.056". The distance from the center of the raised section to the right edge is 2.01".

A cross-sectional view of the front of the device. The device has a rectangular base with a hatched pattern. A vertical component on the left side has a height dimension of 1.750 inches. A horizontal dimension of 4.56 inches is shown across the top of the device. A cable is connected to the right side of the device.

STRIKE REINFORCEMENT .060"

3.5"

3.88"

4.68"

4.73"

Figure 1 shows a cross-sectional view of a specimen. The specimen has a total width of 4.98 inches and a central notch with a height of 0.48 inches. The specimen is shown in a cross-section, with the notch located in the center. The width is indicated by a dimension line at the top, and the height of the notch is indicated by a dimension line on the right side.

Technical drawing of a rectangular component, showing top and side views with dimensions in inches.

Top View Dimensions:

- Overall Width: 1.63"
- Overall Height: 7.63"
- Central Cutout Width: 1.25"
- Central Cutout Height: 3.5"
- Three circular holes are located along the top and bottom edges.
- Two circular holes are located along the left and right edges.

Side View Dimensions:

- Overall Height: 5.5"
- Top Flange Width: 1.19"
- Bottom Flange Width: 0.19"
- Central Section Width: 0.08"

0.5" GLASS BITE

1.12"

INTERIOR

EXTERIOR

0.56" THK.

1/4" HEAT STRENGTHENED

0.090" SAFLEX® P INTERLAYER

1/4" HEAT STRENGTHENED

53

54

81

G1 **GLAZING DETAIL**
9/16" Monolithic glass
Produced by Old Castle

NOTE: GLAZING > 36" WIDE REQUIRES TWO (2) SETTING BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1

0.18"

1.13"

0.52"

0.97"

0.08"

4.11"

1.25"

R0.13"

Technical drawing of a rectangular plate with dimensions and hole patterns. The drawing includes a side view and a top view.

Side View Dimensions:

- Overall width: 8"
- Overall height: 4.75"
- Flange thickness: 0.18"

Top View Dimensions and Hole Patterns:

- Overall width: 14"
- Overall height: 0.7"
- Distance from top edge to first hole row: 1.13"
- Distance between first and second hole rows: 1.23"
- Distance between second and third hole rows: 1.13"
- Distance between third and fourth hole rows: 1.13"
- Distance from bottom edge to last hole row: 1.13"
- Distance from left edge to first hole column: 0.88"
- Distance between first and second hole columns: 1.13"
- Distance between second and third hole columns: 0.75"
- Distance between third and fourth hole columns: 0.75"
- Distance from right edge to last hole column: 0.75"

Hole Patterns:

- Four rows of holes, each containing four holes.
- Holes are arranged in a grid pattern.
- Holes are represented by circles with a cross inside.

DE REQUIRES TWO (2) SETTING
TO FBC SECTION 2411.3.3.1

0.18"

0.75"

11.25"

4.75"

1"

1"

1"

0.75"

1.25"

1.13"

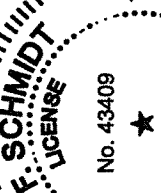
0.62"

1.23"

1.13"

0.25"

1.38"



ENDED
 LEX® PVB
 R
 ENDED

er 6, 2020
 ents Prepared By:
 n F. Schmidt
 No. 43409

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

October 6, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR

PART OR ASSEMBLY:

[illegible]

DATE: 7/17/13

SCALE: N.T.S.

DWG. BY: JK

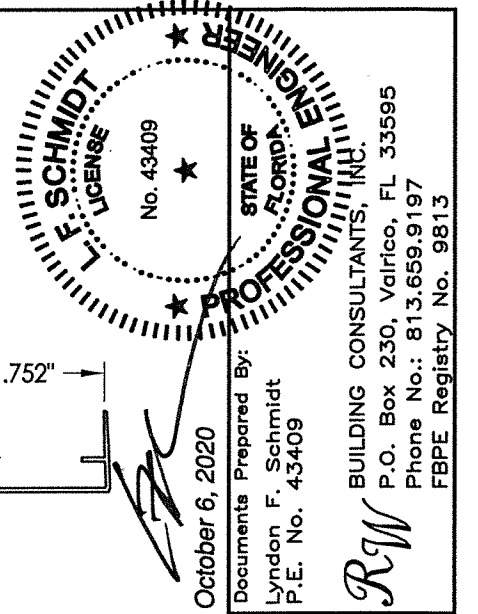
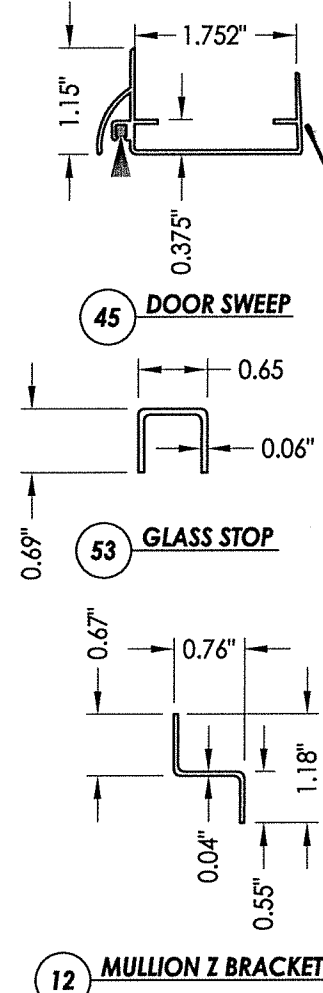
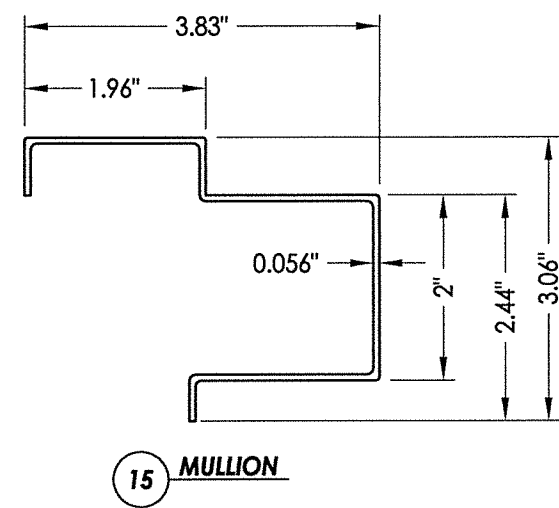
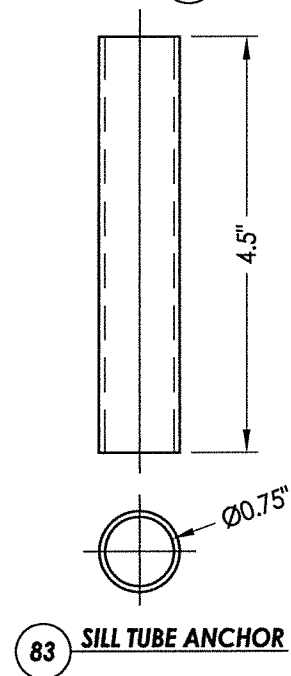
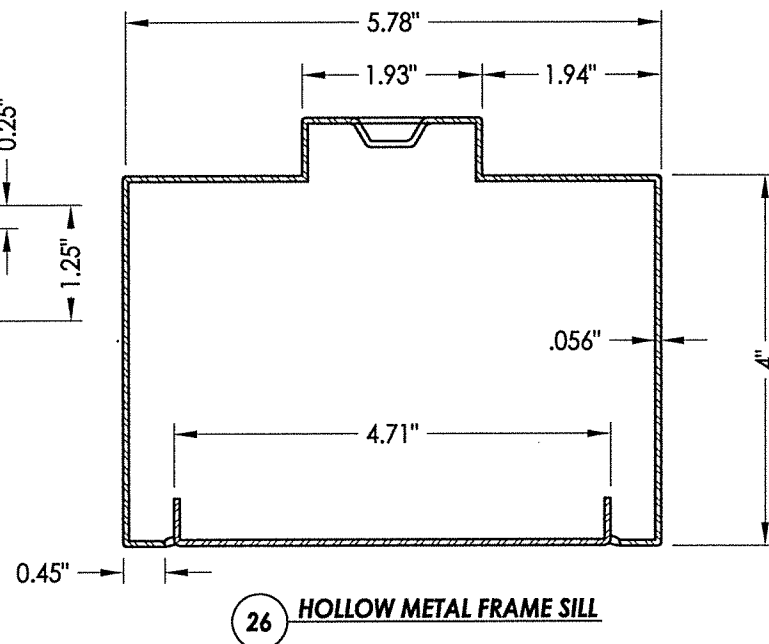
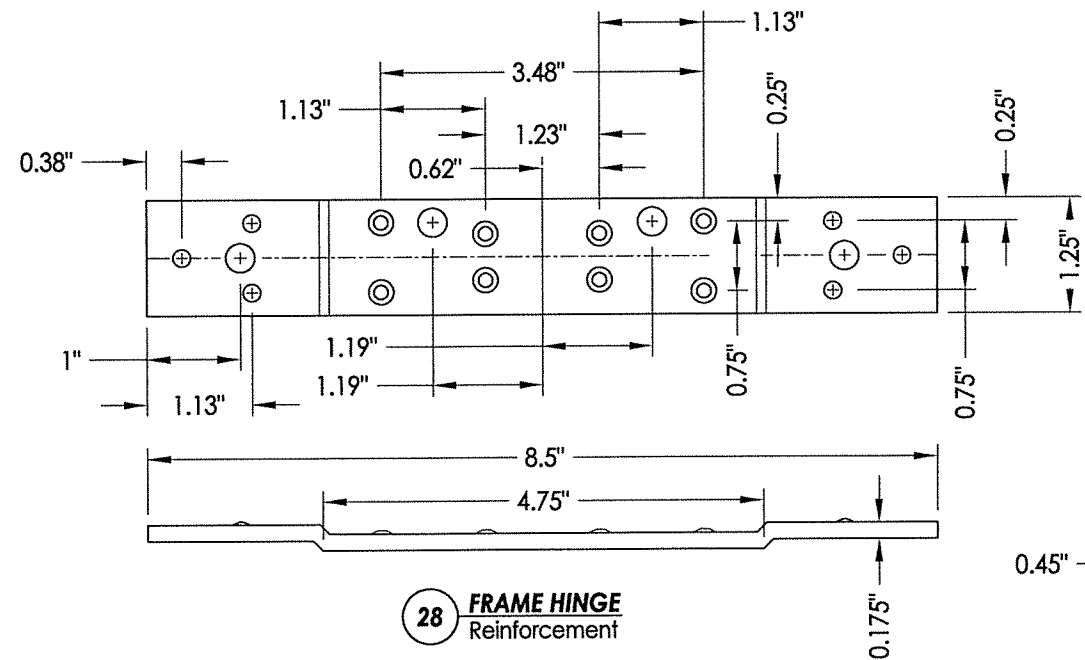
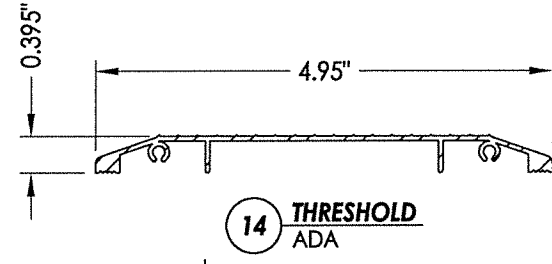
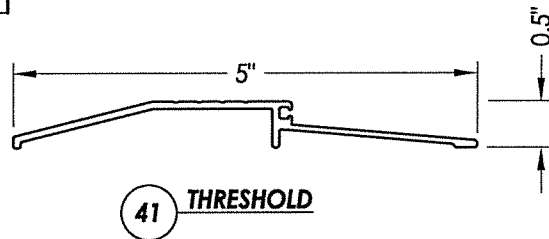
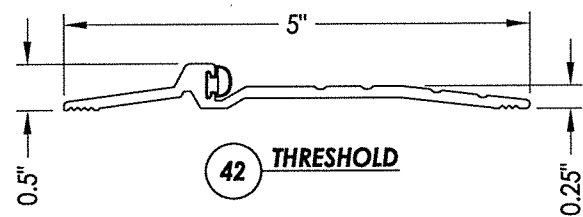
CHK. BY: LFS

DRAWING NO.:
EI 16404 1

7	8
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BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-	22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
			24	WEATHER STRIP (THRESHOLD)	NEOPRENE
H	1/4" x 1-3/4" ITW PFH CONCRETE SCREW	STEEL	25	FRAME 5-3/4" X 2" MIN. (0.056" THK)	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL	26	FRAME SILL 5-3/4" X 4" MIN. (0.056" THK)	STEEL
M	3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL	27	LATCH STRIKE REINFORCEMENT	STEEL
N	1/2" X 8" HH SCREW-BOLT+ CONC. ANCHOR (DeWALT/POWERS)	STEEL	28	FRAME HINGE REINFORCEMENT	STEEL
1	"D" OPAQUE STEEL DOOR PANEL	-	40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
2	DOOR SKIN (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL	41	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINUM
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE	42	OUTSWING THRESHOLD PEMKO #2005V	ALUMINUM
4	DOOR TOP & BOTTOM CLOSER	STEEL	45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
5	LOCK BOX REINFORCEMENT	STEEL	46	#6 X 3/4" PHILLIPS HEAD SMS	STEEL
6	CLOSER REINFORCEMENT	STEEL	53	U-CHANNEL GLASS STOP	STEEL
8	#12-24 x 1/2" SELF TAPPER	STEEL	54	#8 X 1.25" PFH SHEET METAL SCREW	STEEL
9	TUBE ANCHOR	STEEL	70	SCHLAGE LOCK SET ASSEMBLY ND53PD	STEEL
10	#12-24 x 1.0" COMBINATION MACHINE / WOOD SCREW	STEEL	71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
11	DOOR STILE EDGE REINFORCEMENT (D DOOR)	STEEL	72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
12	MULLION Z BRACKET	STEEL	76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
14	COLUMBIA ADA THRESHOLD #6510	ALUMINUM	77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
15	MULLION MIN. (0.056" THK)	STEEL	78	OUTSWING THRESHOLD QOSH BY DLP	ALUM/WOOD
16	ANSI LATCH STRIKE	STEEL	79	WEATHER-STRIP	FOAM
17	DEADBOLT STRIKE	STEEL	81	DOW 995 STRUCTURAL SILICONE	SILICONE
19	DEADBOLT STRIKE REINFORCEMENT	STEEL	83	SILL TUBE ANCHOR	STEEL
20	WEATHER-STRIP	NEOPRENE			
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL			



DATE: 7/17/13		PRODUCT: MEGAMET INDUSTRIES, INC. "D" STEEL DOOR	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16494.12			
SHEET 8 OF 8			
		PART OR ASSEMBLY:	
		BILL OF MATERIALS & COMPONENTS	
		REVISIONS	
3	10/05/20	UPDATE TO 7TH ED. (2020)	FBC LFS
2	10/16/17	UPDATE TO 6TH ED. (2017)	FBC LFS
1	1/06/15	UPDATE TO 5th ED. (2014)	FBC LFS
NO.	DATE		BY