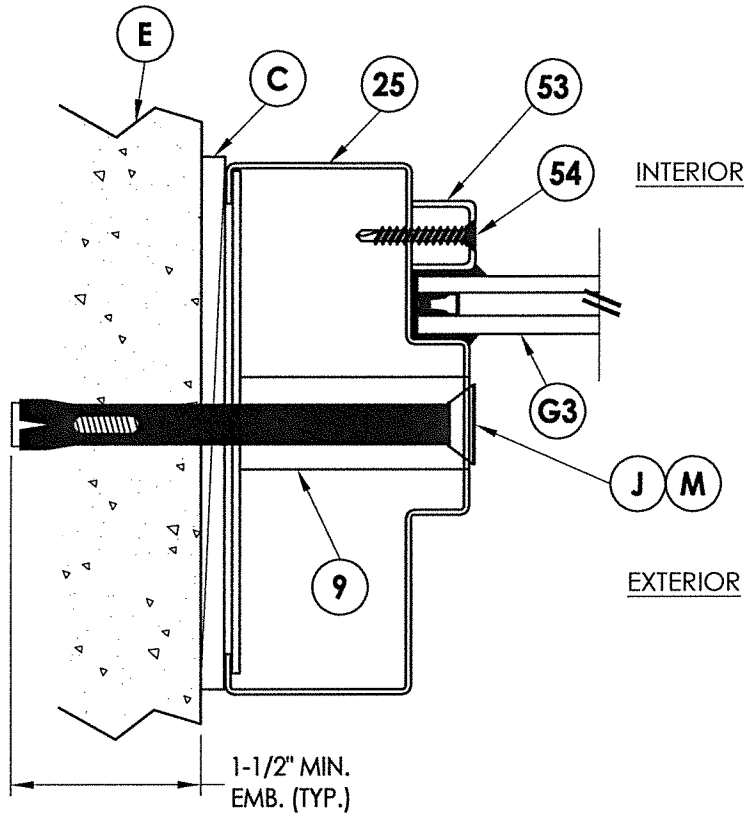
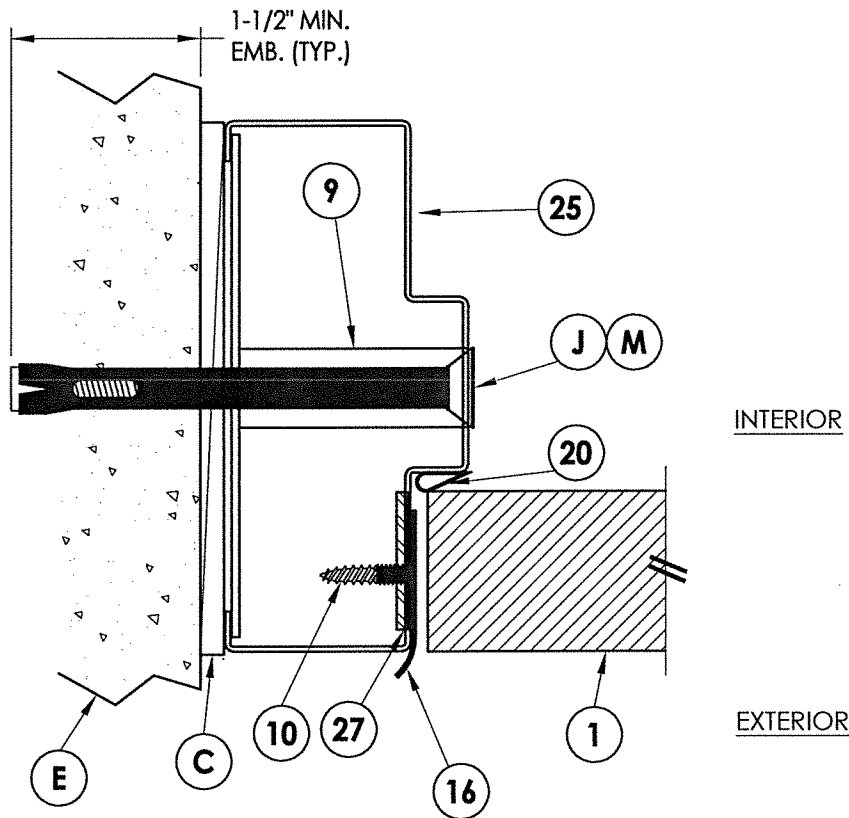
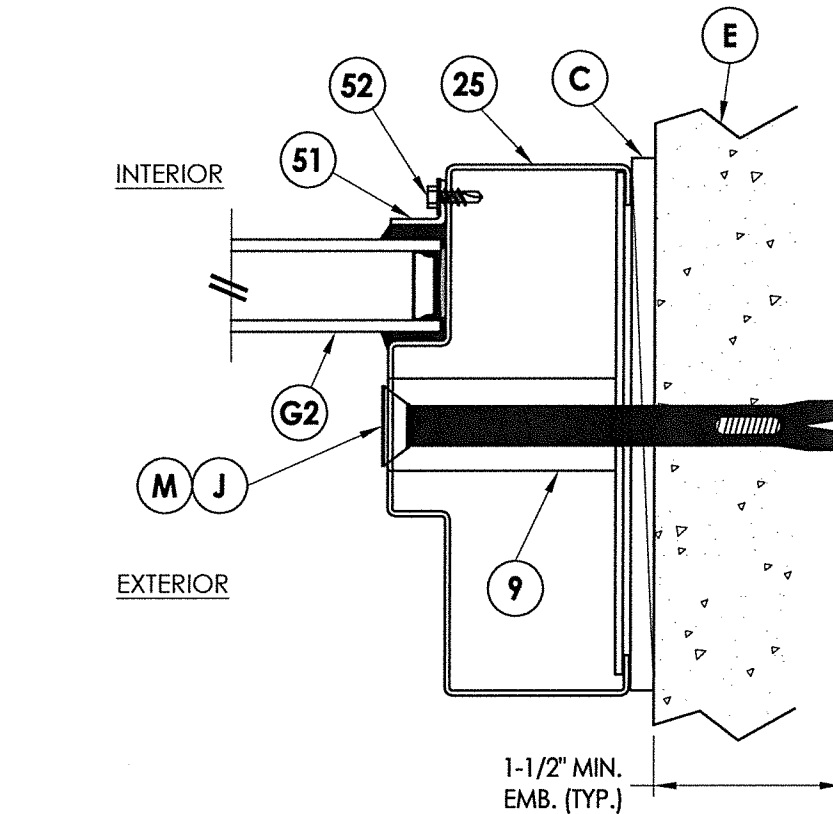
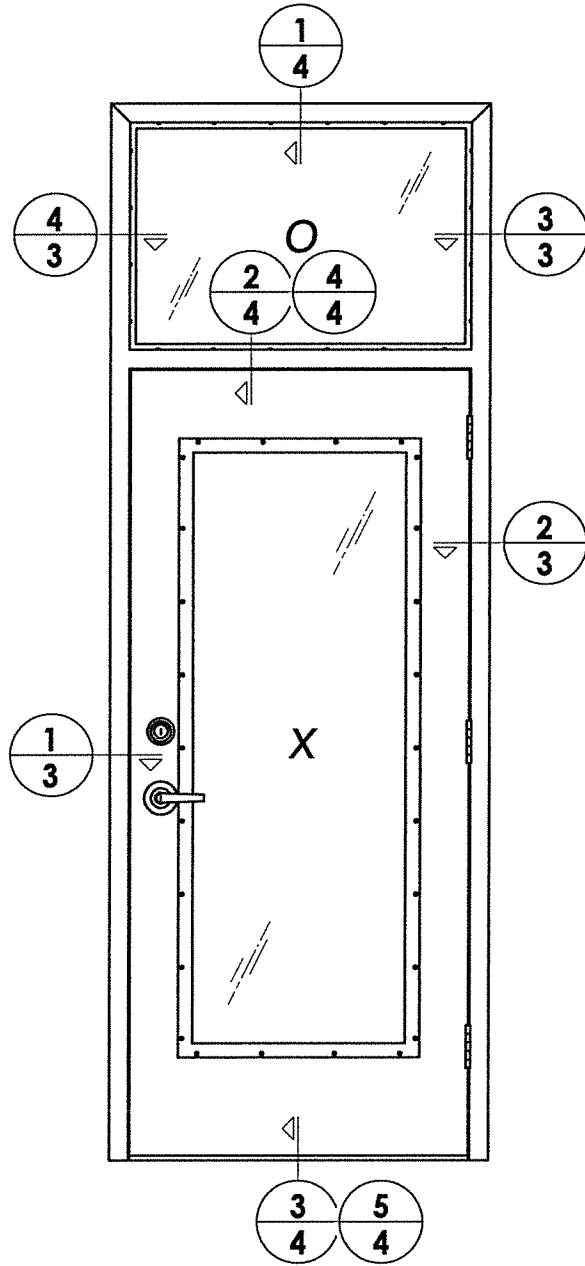




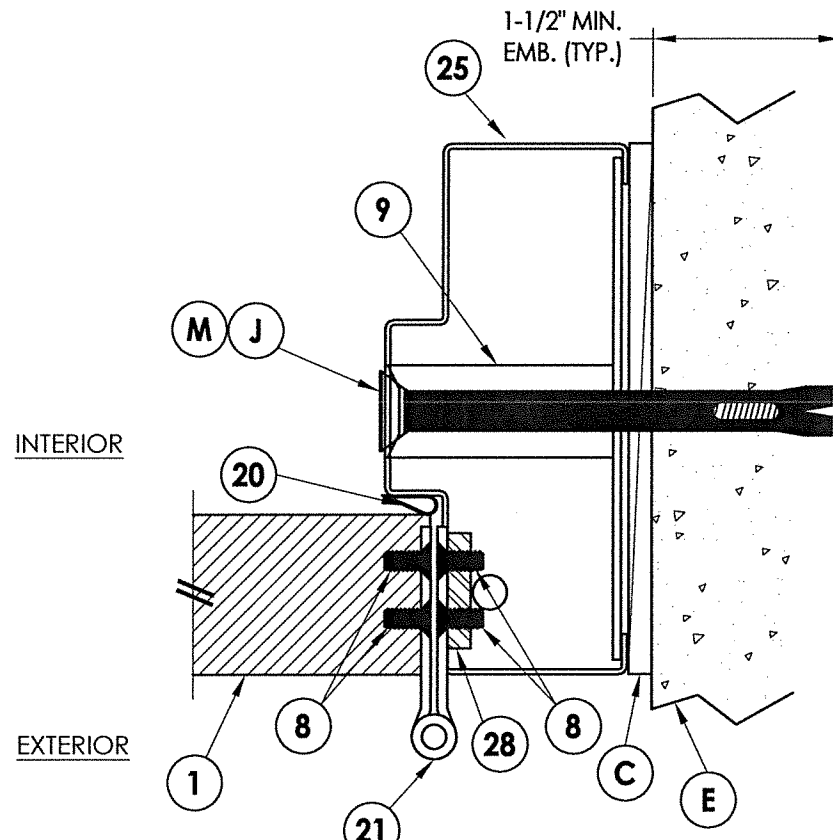
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3 **HORIZONTAL CROSS SECTION**
Optional glazing



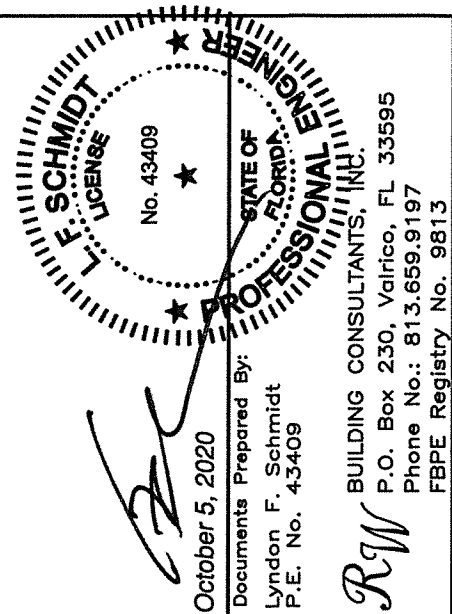
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3 **HORIZONTAL CROSS SECTION**



3
3 **HORIZONTAL CROSS SECTION**



2
3 **HORIZONTAL CROSS SECTION**



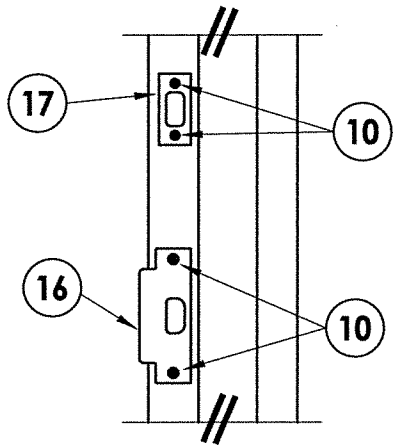
October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR
PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

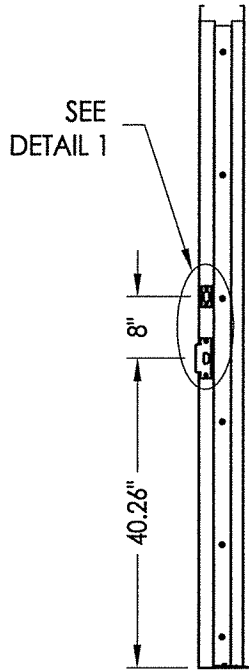
REVISIONS			
NO.	DATE	BY	
3	10/01/20	LFS	UPDATE TO 7TH ED. (2020) FBC
2	10/16/17	LFS	UPDATE TO 6TH ED. (2017) FBC
1	1/06/15	LFS	UPDATE TO 5TH ED. (2014) FBC

DATE: 7/17/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16493.2
SHEET 3 OF 7

R:\Clients\Megamet Permanent\A - Florida Product Approvals\FL-16493\A - Drawings\FL-16493.1-12.dwg, 5.2

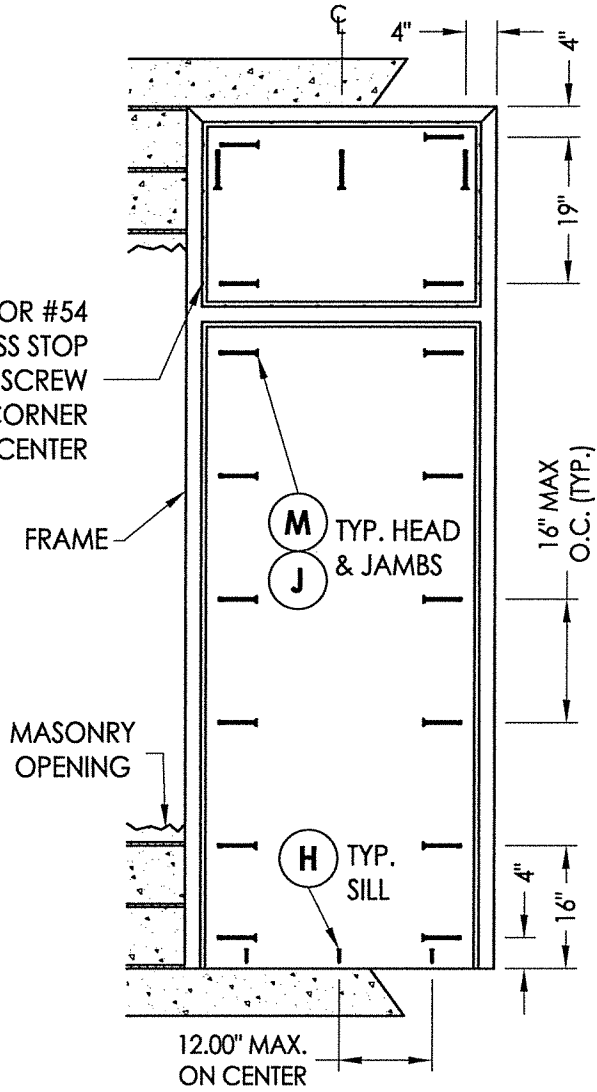


DETAIL 1

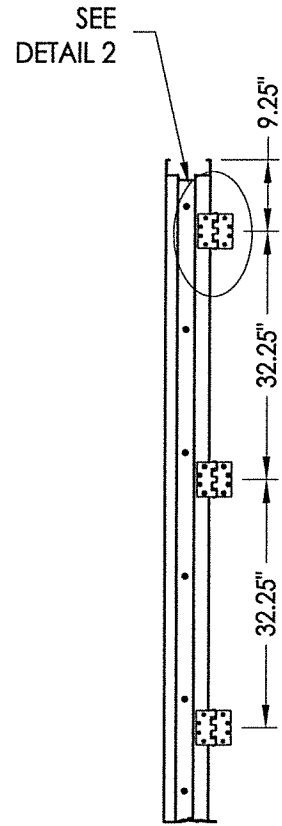


STRIKE JAMB

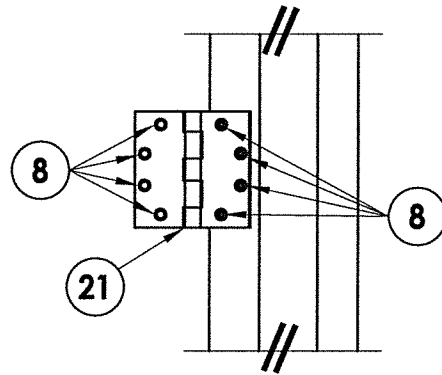
ITEM #52 OR #54
GLASS STOP
RETAINING SCREW
3" FROM CORNER
6" MAX ON CENTER



FRAME ANCHORING



HINGE JAMB

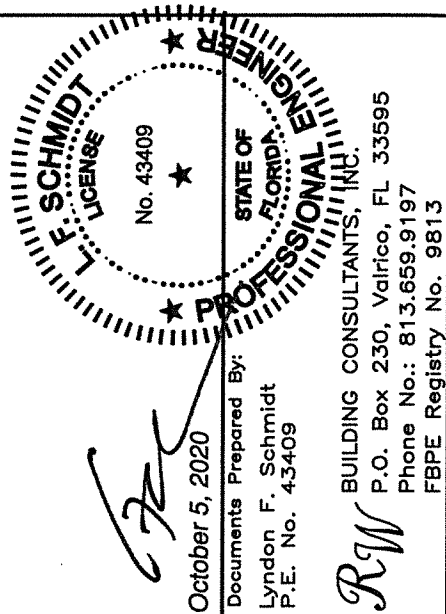


DETAIL 2

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"



October 5, 2020
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FBPE Registry No. 9813

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

PART OR ASSEMBLY:
ANCHORING DETAILS

NO.	DATE	REVISIONS
3	10/01/20	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.

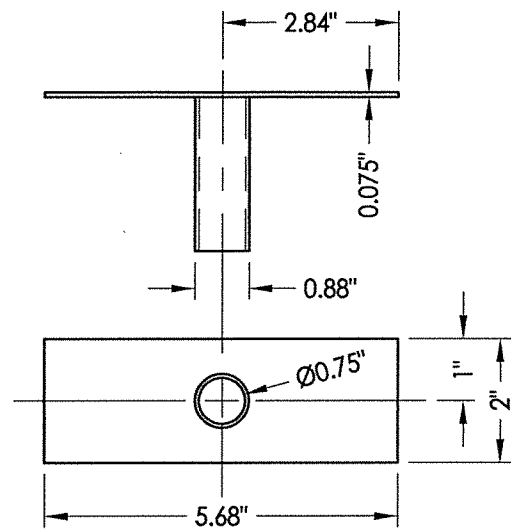
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16493.2

SHEET 5 OF 7



Technical drawing of a frame hinge, showing top and side views with dimensions in inches.

Top View Dimensions:

- Overall width: 3.48"
- Left side hole spacing: 1.13" (center-to-center), 0.375" (edge-to-center)
- Central hole spacing: 1.23" (center-to-center), 0.62" (edge-to-center)
- Right side hole spacing: 1.13" (center-to-center), 0.25" (edge-to-center)
- Overall height: 1.25"

Side View Dimensions:

- Overall length: 8.5"
- Central section length: 4.75"
- Central section height: 0.75"
- End section height: 0.175"

Technical drawing of a square nut. The drawing shows a top view and a side view. The top view is a square with a side length of 3.88 inches. The height of the nut is 3.5 inches. The width of the nut is 4.68 inches. The height of the nut is 6.73 inches. The thickness of the nut is .060 inches. The drawing also shows a central circular hole.

Technical drawing of a rectangular plate. The drawing includes two views: a top view and a side view.

Top View Dimensions:

- Overall width: 1.63"
- Overall height: 7.63"
- Distance from top edge to the center of the top circular feature: 3.5"
- Distance from bottom edge to the center of the bottom circular feature: 3.5"
- Distance from left edge to the center of the left circular feature: 1.25"
- Distance from right edge to the center of the right circular feature: 1.25"

Side View Dimensions:

- Overall thickness: 0.075"
- Distance from top edge to the center of the top circular feature: 1.19"
- Distance from bottom edge to the center of the bottom circular feature: 1.19"
- Distance from top edge to the center of the top circular feature: 5.5"
- Distance from bottom edge to the center of the bottom circular feature: 5.5"
- Distance from left edge to the center of the left circular feature: 0.188"
- Distance from right edge to the center of the right circular feature: 0.188"

Technical drawing of a rectangular plate. The overall dimensions are 8" in height and 4.75" in width. The thickness of the plate is 0.175". The drawing shows a top view and a side view. The top view shows a rectangular plate with a central horizontal slot. The slot is 1.23" wide and 1.13" deep. The distance from the top edge to the top of the slot is 0.75". The distance from the bottom of the slot to the bottom edge is 1.13". The distance from the right edge to the right side of the slot is 0.75". The distance from the left edge to the left side of the slot is 1.4". The distance from the top edge to the top of the slot is 1.23". The distance from the bottom of the slot to the bottom edge is 1.13". The distance from the right edge to the right side of the slot is 0.75". The distance from the left edge to the left side of the slot is 1.4". The side view shows a rectangular plate with a central horizontal slot. The slot is 1.23" wide and 1.13" deep. The distance from the top edge to the top of the slot is 0.75". The distance from the bottom of the slot to the bottom edge is 1.13". The distance from the right edge to the right side of the slot is 0.75". The distance from the left edge to the left side of the slot is 1.4". The distance from the top edge to the top of the slot is 1.23". The distance from the bottom of the slot to the bottom edge is 1.13". The distance from the right edge to the right side of the slot is 0.75". The distance from the left edge to the left side of the slot is 1.4".

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: 0.175"
- Overall height: 11.25"
- Height of the central rectangular section: 4.75"

Top View Dimensions and Hole Patterns:

- Overall width: 1.13"
- Overall height: 1.25"
- Distance from the left edge to the first vertical hole line: 0.63"
- Distance between the two vertical hole lines: 0.62"
- Distance from the right edge to the second vertical hole line: 0.75"
- Distance from the top edge to the first horizontal hole line: 1.13"
- Distance between the two horizontal hole lines: 0.375"
- Distance from the bottom edge to the second horizontal hole line: 1.13"
- Distance from the left edge to the first vertical hole line: 1.23"
- Distance between the two vertical hole lines: 1.13"
- Distance from the right edge to the second vertical hole line: 0.25"
- Distance from the top edge to the first horizontal hole line: 1.38"
- Distance between the two horizontal hole lines: 0.25"
- Distance from the bottom edge to the second horizontal hole line: 1.38"

The top view shows a grid of holes. The vertical holes are located at 0.63" and 1.23" from the left edge. The horizontal holes are located at 1.13" and 0.375" from the top edge, and 1.13" and 0.25" from the bottom edge. The holes are arranged in a 2x2 grid pattern.



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

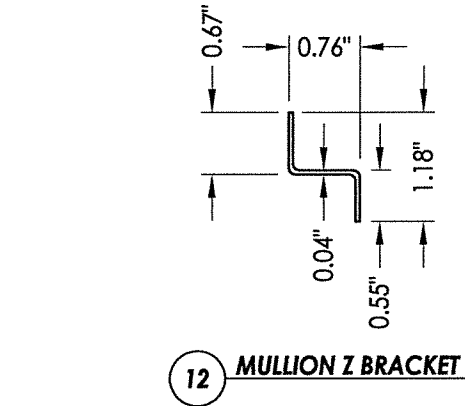
PRODUCT: MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR

PART OR ASSEMBLY: COMPONENTS

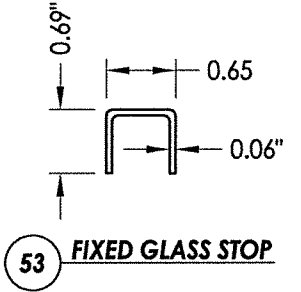
R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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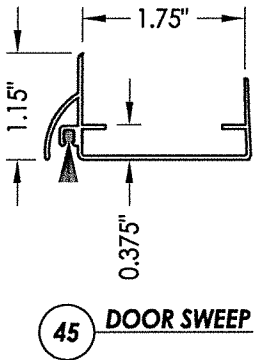
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL
M	3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL
1	"D" STEEL DOOR PANEL	-
2	DOOR SKIN - 16GA (0.060" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE
4	DOOR TOP & BOTTOM CLOSER	STEEL
5	LOCK BOX REINFORCEMENT	STEEL
6	DOOR STILE EDGE REINFORCEMENT (D DOOR)	STEEL
8	#12-24 x 1/2" SELF TAPPER	STEEL
9	TUBE ANCHOR	STEEL
10	#12-24 X 1" COMBINATION MACHINE / WOOD SCREW	STEEL
12	MULLION Z BRACKET	STEEL
15	MULLION	STEEL
16	ANSI LATCH STRIKE	STEEL
17	DEADBOLT STRIKE	STEEL
19	DEADBOLT STRIKE REINFORCEMENT	STEEL
20	WEATHERSTRIP	NEOPRENE
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL
22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL
23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
24	WEATHERSTRIP (THRESHOLD)	NEOPRENE
25	FRAME - 14GA (0.075" THK)	STEEL
27	LATCH STRIKE REINFORCEMENT	STEEL
28	FRAME HINGE REINFORCEMENT	STEEL
40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
42	THRESHOLD PEMKO #2005V	ALUMINUM
45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
46	#6 X 3/4" PHILLIPS HEAD SMS	STEEL
51	L-CHANNEL FIXED GLASS STOP	STEEL
52	#8 X .5" HH SELF DRILLING SCREW	STEEL
53	U-CHANNEL FIXED GLASS STOP	STEEL
54	#8 X 1.25" PFH SHEET METAL SCREW	STEEL
71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
81	DOW 995 STRUCTURAL SILICONE	SILICONE
86	LITE FRAME BY AIR LOUVERS #1500-AJ-2464	STEEL
88	#8 X 1-1/2" PPH MS	STEEL
89	SCREW COVER	STEEL
93	GLASS SPACER	ALUMINUM



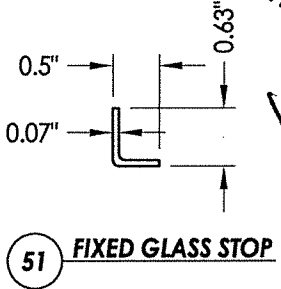
12 MULLION Z BRACKET



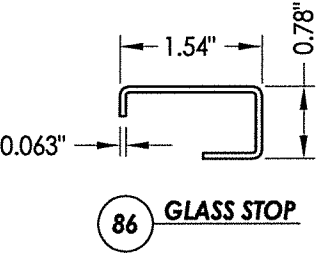
53 FIXED GLASS STOP



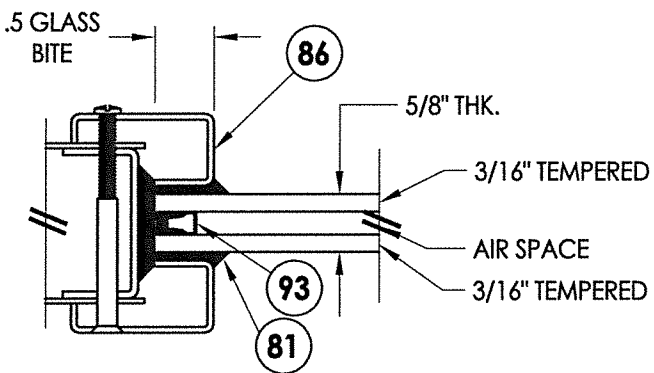
45 DOOR SWEEP



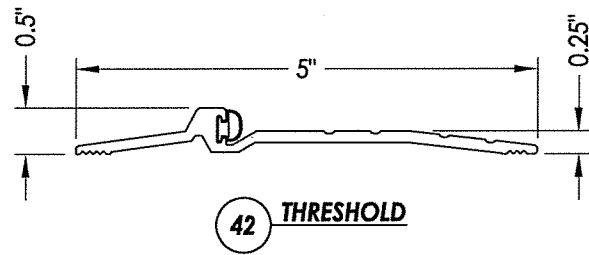
51 FIXED GLASS STOP



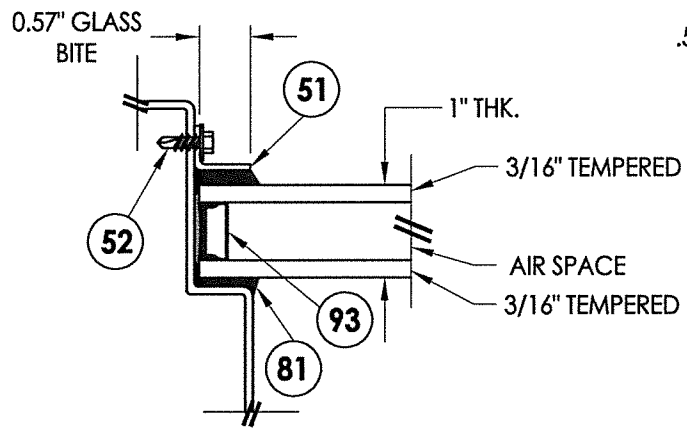
86 GLASS STOP



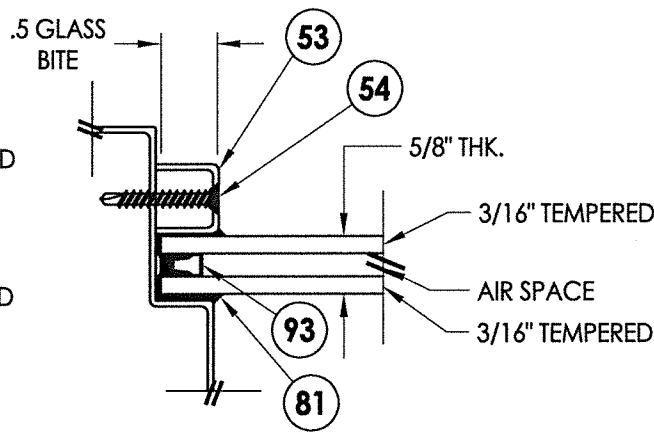
G1 GLAZING DETAIL



42 THRESHOLD



G2 GLAZING DETAIL



G3 GLAZING DETAIL

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

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

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

PRODUCT:		MEGAMET INDUSTRIES, INC.		PART OR ASSEMBLY:	
		"D" STEEL DOOR		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
		LFS	(2020) FBC	LFS	BY
		LFS	(2017) FBC	LFS	
		LFS	(2014) FBC	LFS	
		NO.	DATE		
REVISIONS					
3	10/01/20	UPDATE TO 7TH ED.	(2020) FBC		
2	10/16/17	UPDATE TO 6TH ED.	(2017) FBC		
1	1/06/15	UPDATE TO 5TH ED.	(2014) FBC		
DATE: 7/17/13					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-16493.2					
SHEET 7 OF 7					