

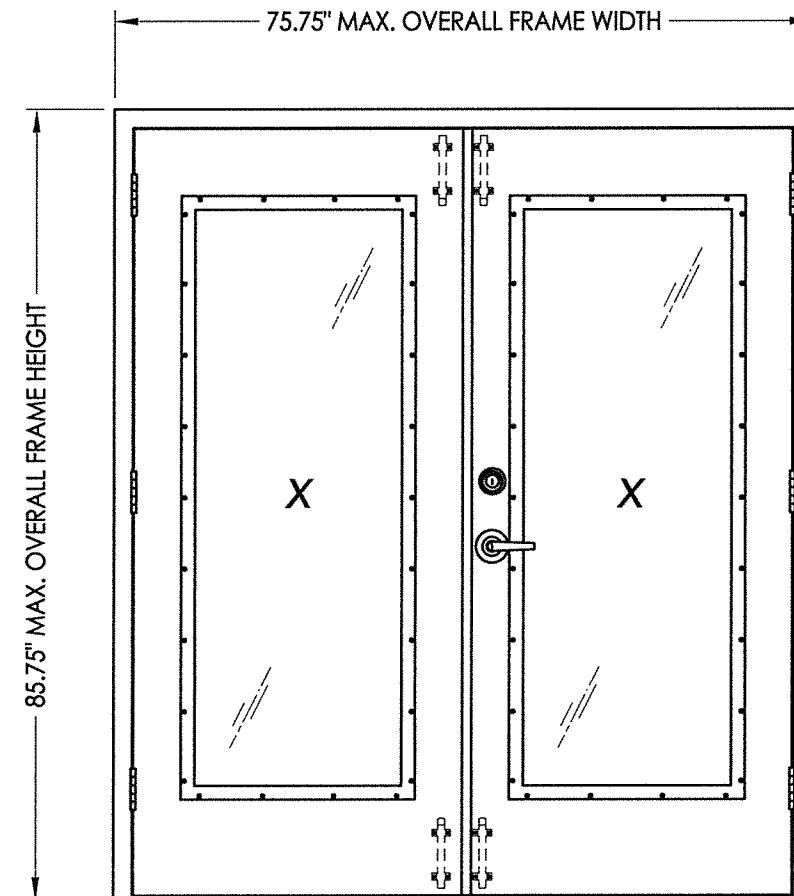
3228 6th AVENUE NORTH
P.O. BOX 635
BIRMINGHAM, AL 35201

**"D" SERIES
COMMERCIAL STEEL DOOR
OUTSWING
"NON-IMPACT"**

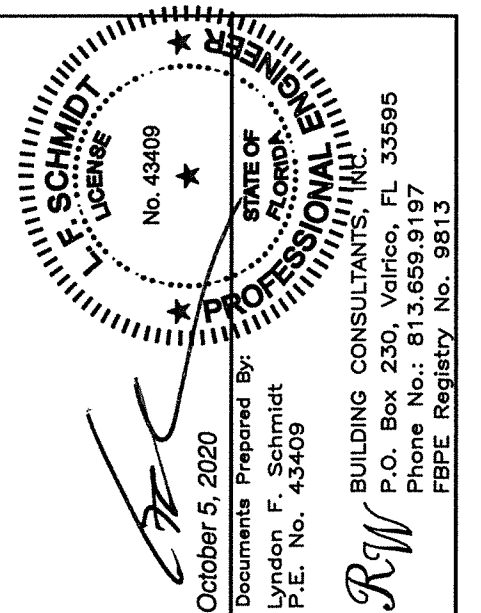
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding 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 areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Section 1609.1.2.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. The "D" door achieves a Class 1 stiffness classification per Section 8.2.2 of ANSI A250.13 (based on opaque door).

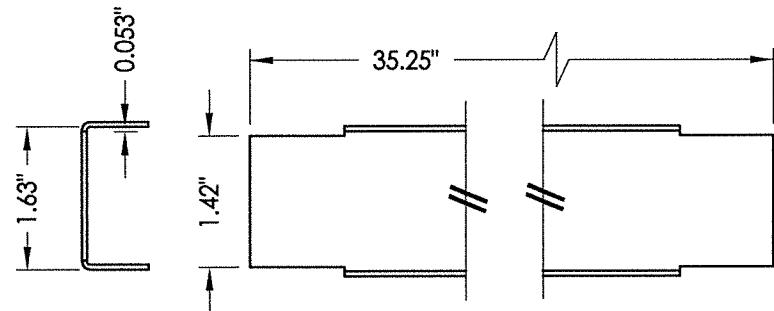
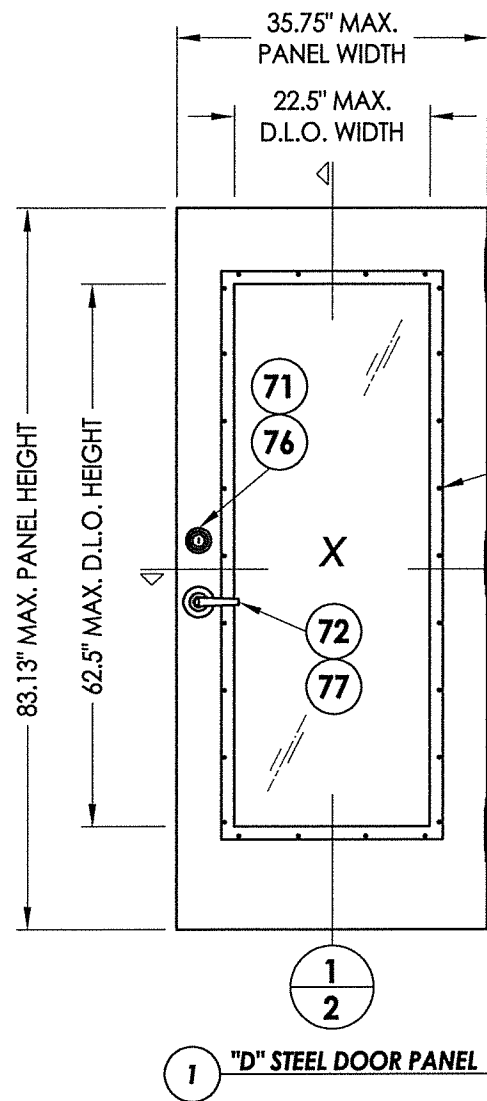
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1	Typical elevation, design pressures & general notes
2	Door panel details
3	Horizontal & vertical cross sections
4	Anchoring details
5	Components
6	Bill of materials, glazing detail & components



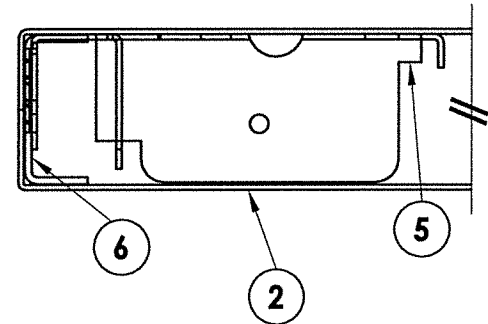
OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
75.75" x 85.75"	22.5" x 62.5"	+65.0	-70.0



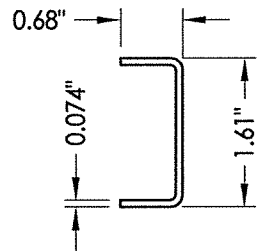
DATE: 7/17/13			PRODUCT: MEGAMET INDUSTRIES, INC. "D" STEEL DOOR		
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-16493.3					
SHEET 1 OF 6	PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES				
REVISIONS					
3	10/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	10/16/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	1/06/15	UPDATE TO 5th ED. (2014)	FBC	LFS	
NO.	DATE			BY	



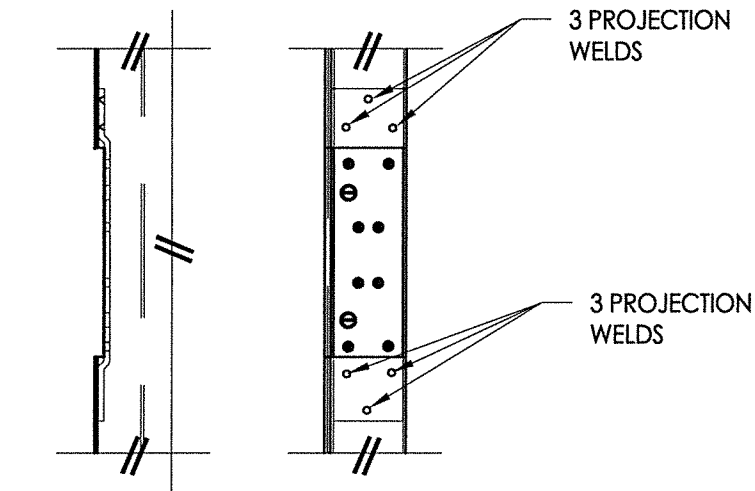
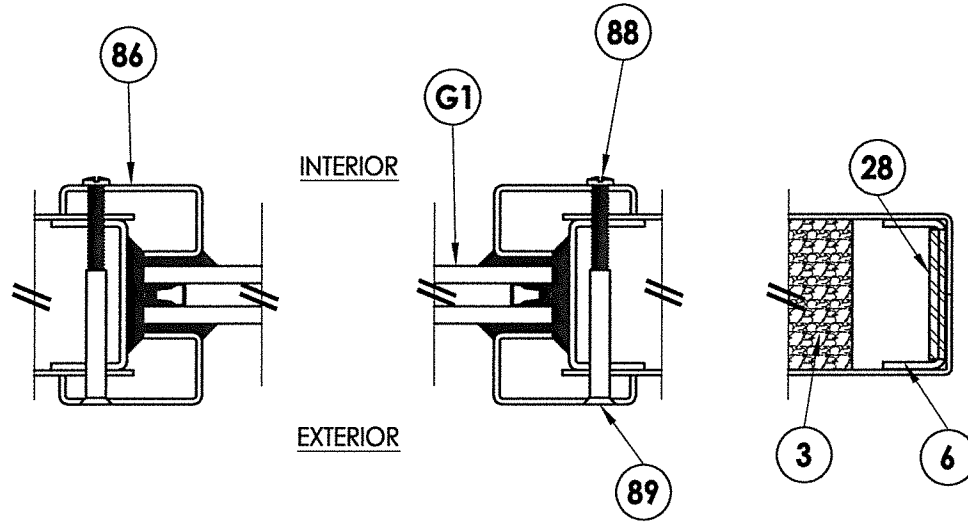
4 DOOR TOP & BOTTOM CLOSER



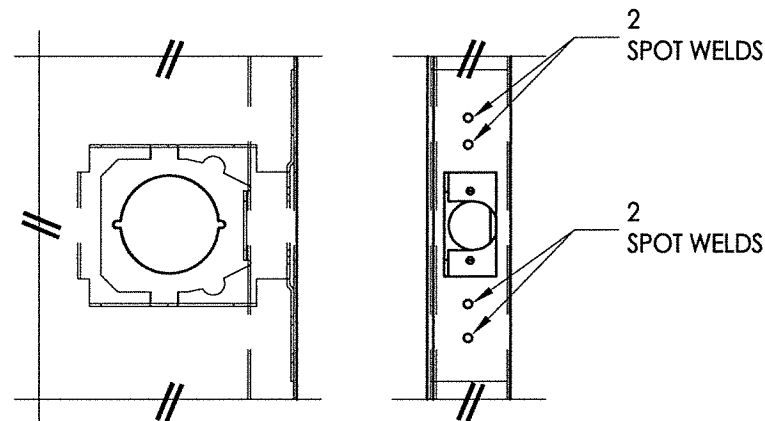
2 HORIZONTAL CROSS SECTION



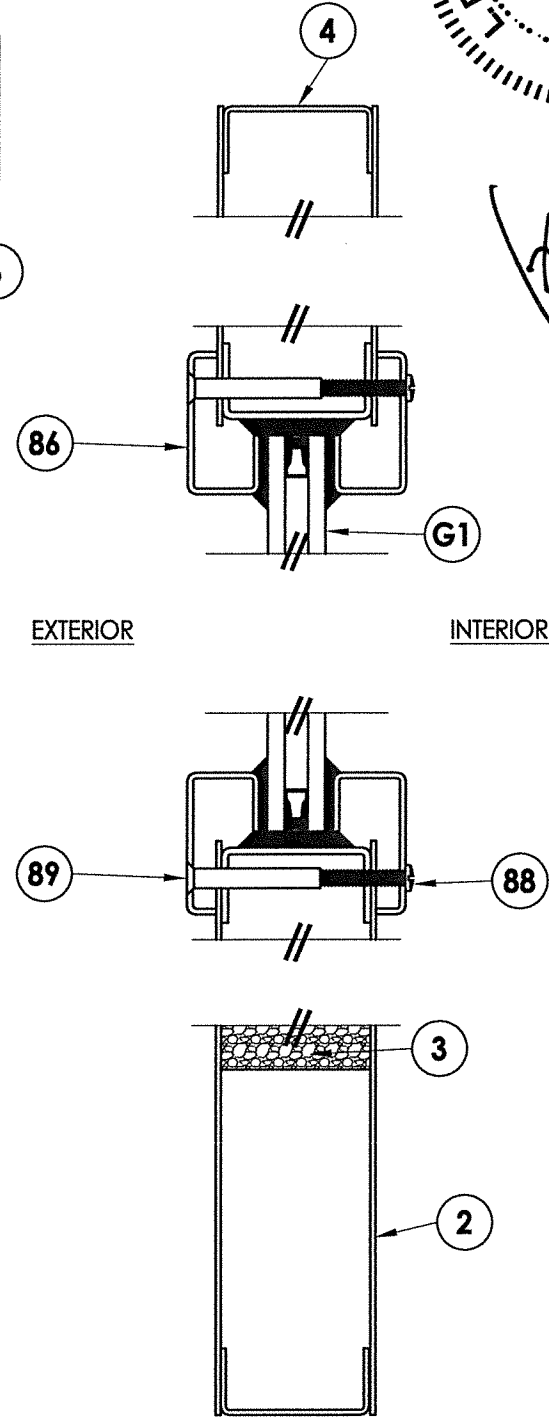
6 DOOR STILE EDGE Reinforcement



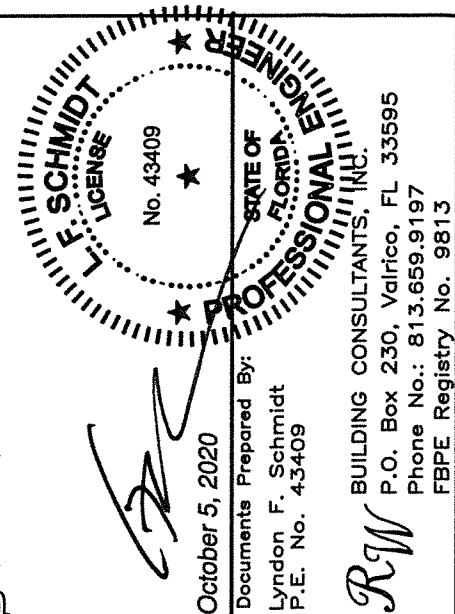
23 DOOR HINGE REINFORCEMENT



5 LOCK BOX REINFORCEMENT



1 VERTICAL CROSS SECTION

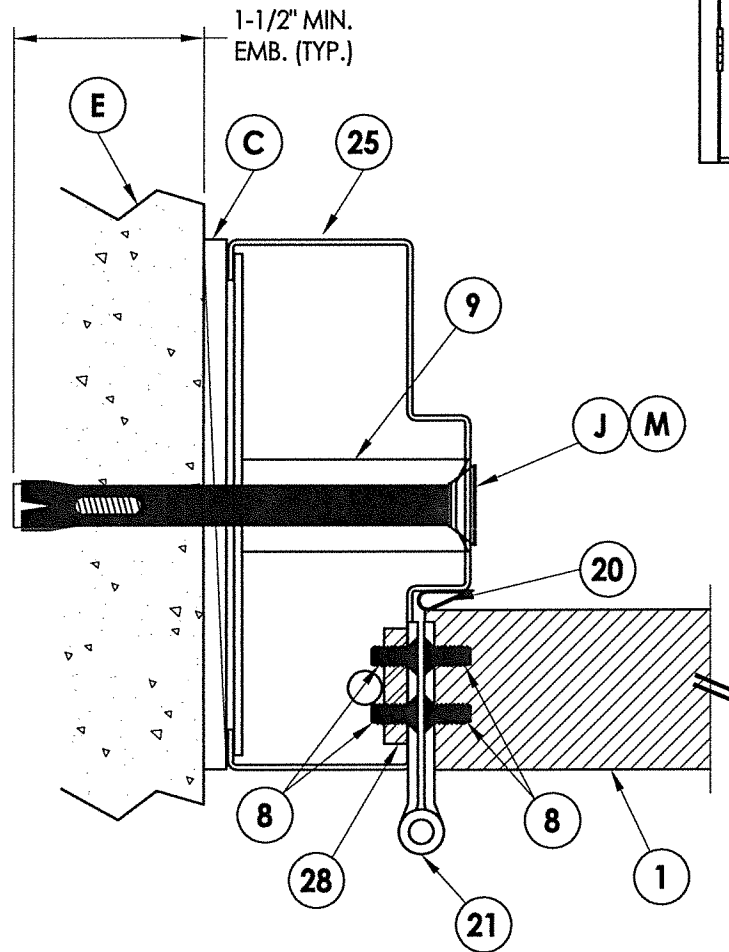


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October 5, 2020

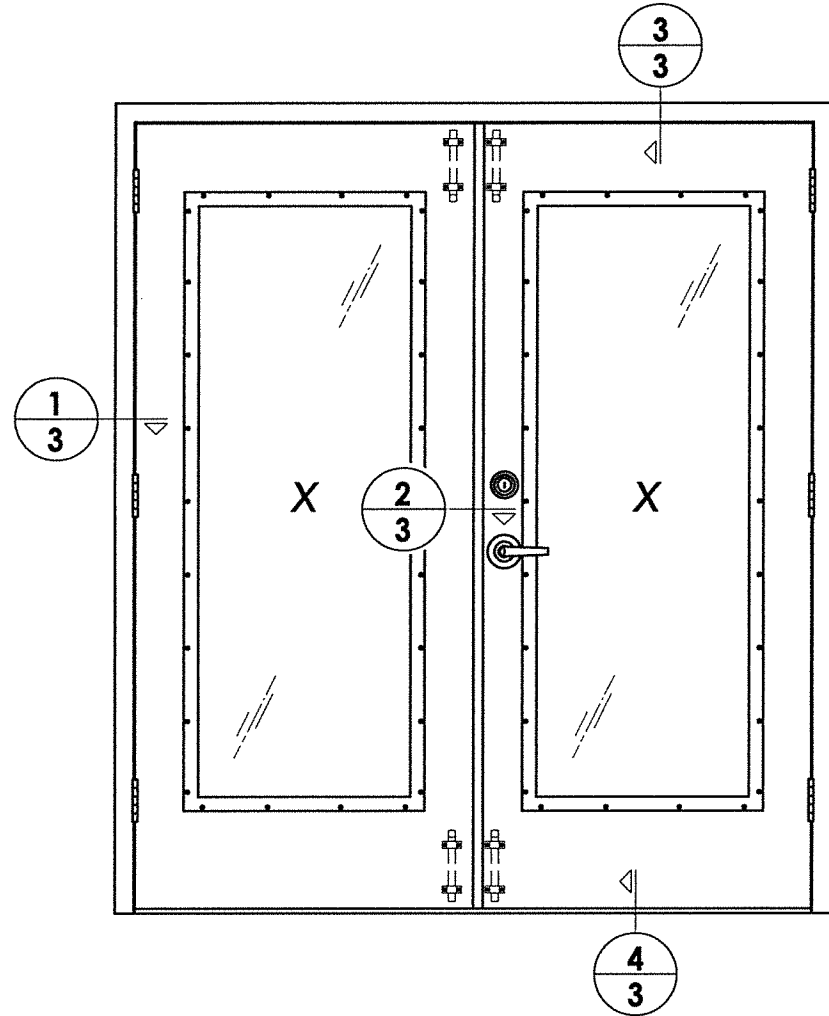
PRODUCT: MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR
PART OR ASSEMBLY: DOOR PANEL DETAILS

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

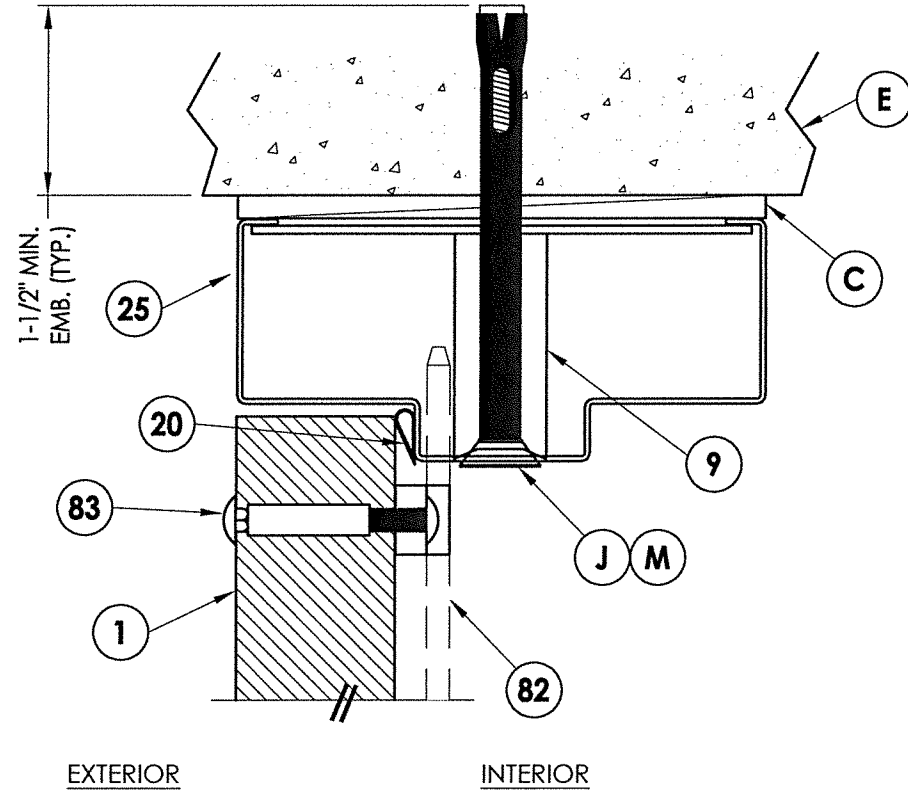
DATE: 7/17/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16493.3
SHEET 2 OF 6



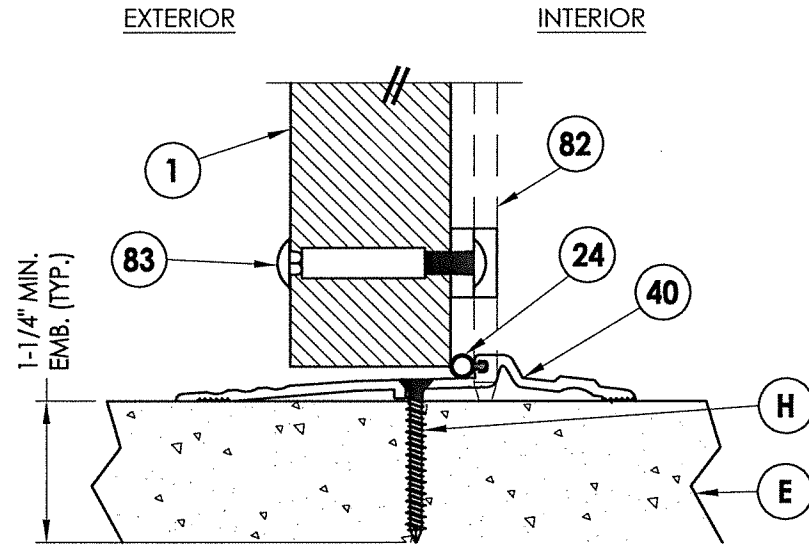
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3 HORIZONTAL CROSS SECTION



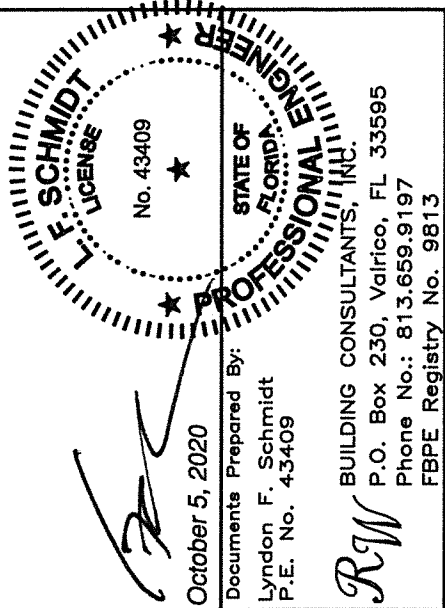
2
3 HORIZONTAL CROSS SECTION



3
3 VERTICAL CROSS SECTION



4
3 VERTICAL CROSS SECTION

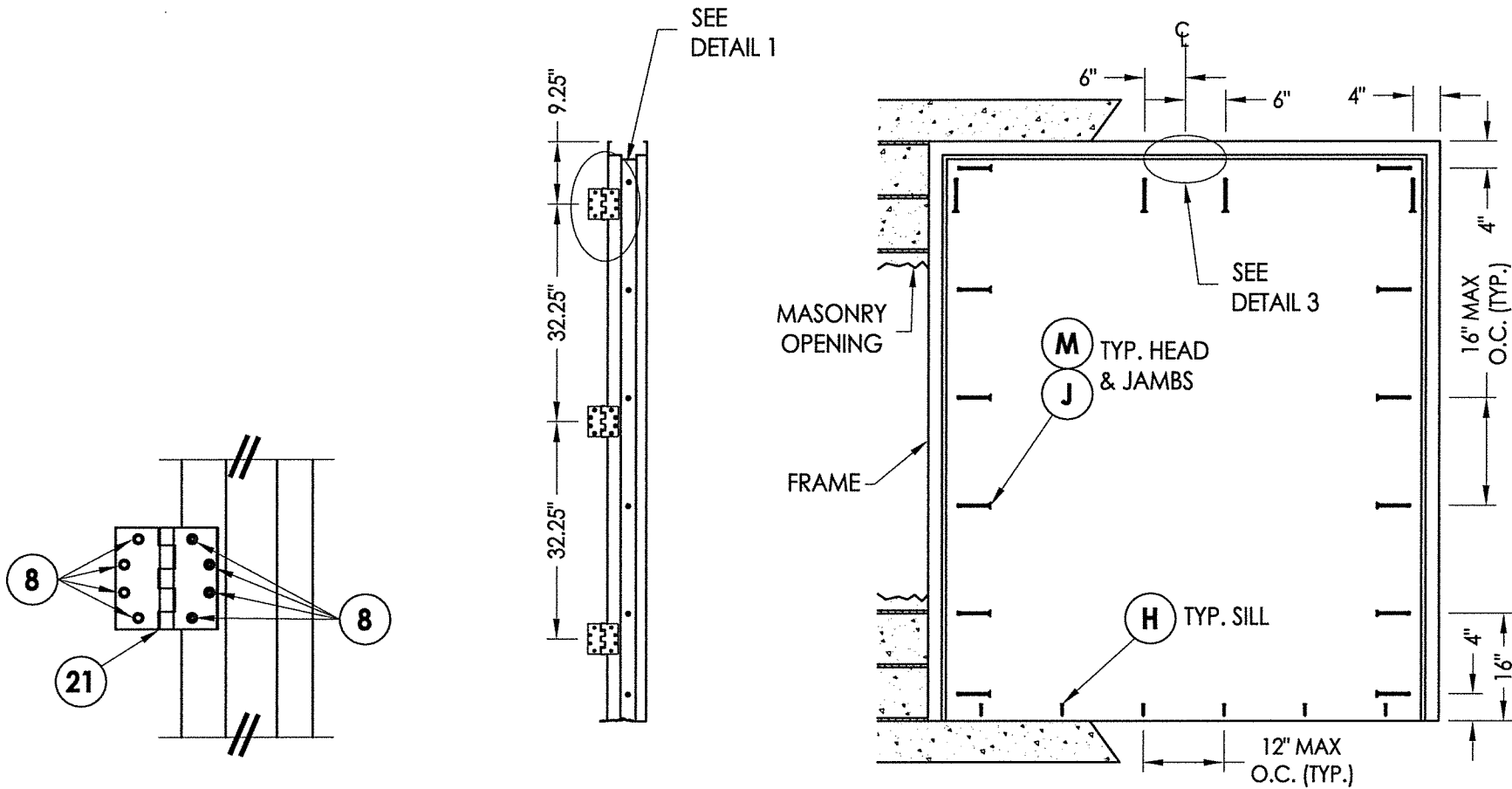


PRODUCT: MEGAMET INDUSTRIES, INC. "D" STEEL DOOR
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

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
		BY

DATE: 7/17/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16493.3
SHEET 3 OF 6

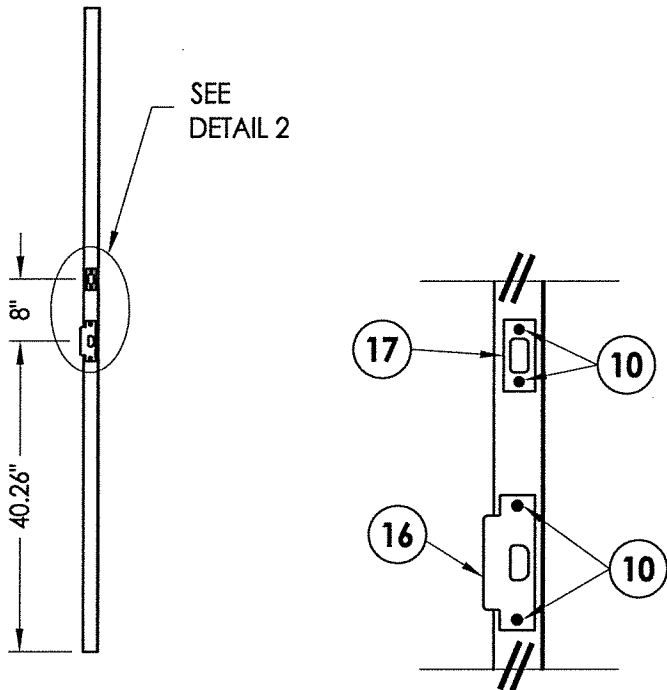
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DETAIL 1

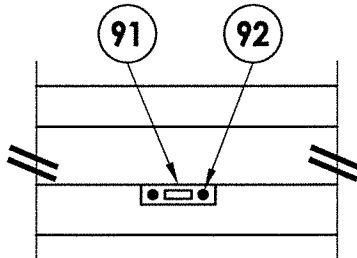
HINGE JAMB

FRAME ANCHORING



STRIKE JAMB

DETAIL 2

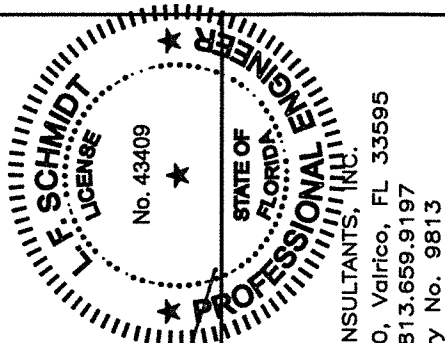


DETAIL 3

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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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	10/01/20	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-16493.3

SHEET 4 OF 6

Figure 1 shows a technical drawing of a stepped profile. The dimensions are as follows:

- Total width: 5.87"
- Total height: 2.7"
- Top section width: 0.5"
- Middle section width: 0.075"
- Bottom section width: 1.85" and 2.01"

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

Front View (Left):

- Overall width: 1.63"
- Overall height: 7.63"
- Top section height: 3.5"
- Bottom section height: 1.25"
- Top section features three circular features (two with crosses, one with a dot) and a central rectangular feature.
- Bottom section features three circular features (two with crosses, one with a dot).

Side View (Right):

- Overall width: 1.19"
- Overall height: 5.5"
- Top flange thickness: 0.075"
- Bottom flange thickness: 0.19"
- Internal vertical dimension: 1.07"

Technical drawing of a square flange with a central circular hole. The drawing includes the following dimensions:

- Inner width: 3.88"
- Outer width: 4.68"
- Inner height: 3.5"
- Total height: 6.73"
- Rim thickness: .060"

Technical drawing of a mechanical part, showing front and side views with dimensions.

Front View Dimensions:

- Overall width: 1.25"
- Overall height: 4.11"
- Top section height: 1.12"
- Bottom section height: 0.52"
- Bottom section width: 0.97"
- Bottom section thickness: 0.075"
- Top section thickness: 0.075"
- Radius: R0.13" (indicated by a leader line pointing to the top-left corner)

Side View Dimensions:

- Overall height: 1.54"

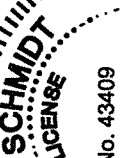
Technical drawing of a rectangular plate with dimensions and hole patterns. The drawing includes a side view and a top view.

Side View Dimensions:

- Overall width: 8"
- Overall height: 4.75"
- Bottom flange thickness: 0.18"

Top View Dimensions and Hole Patterns:

- Overall width: 8"
- Overall height: 1.4"
- Left edge hole spacing: 1.13" (from bottom), 1.13" (between first and second), 1.23" (between second and third), 1.13" (between third and fourth), 0.88" (from top).
- Right edge hole spacing: 0.75" (from right), 1" (between first and second), 1" (between second and third), 0.75" (from left).
- Hole patterns: The plate features a series of holes along its length. The top edge has three holes (two small circles, one large circle with a cross). The bottom edge has three holes (two small circles, one large circle with a cross). The side edges have a series of holes, some small circles and some large circles with crosses, arranged in a staggered pattern.



 No. 43409

State of Florida
 PROFESSIONAL ENGINEER

L.F. SCHMIDT
 LICENSE

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October 5, 2020

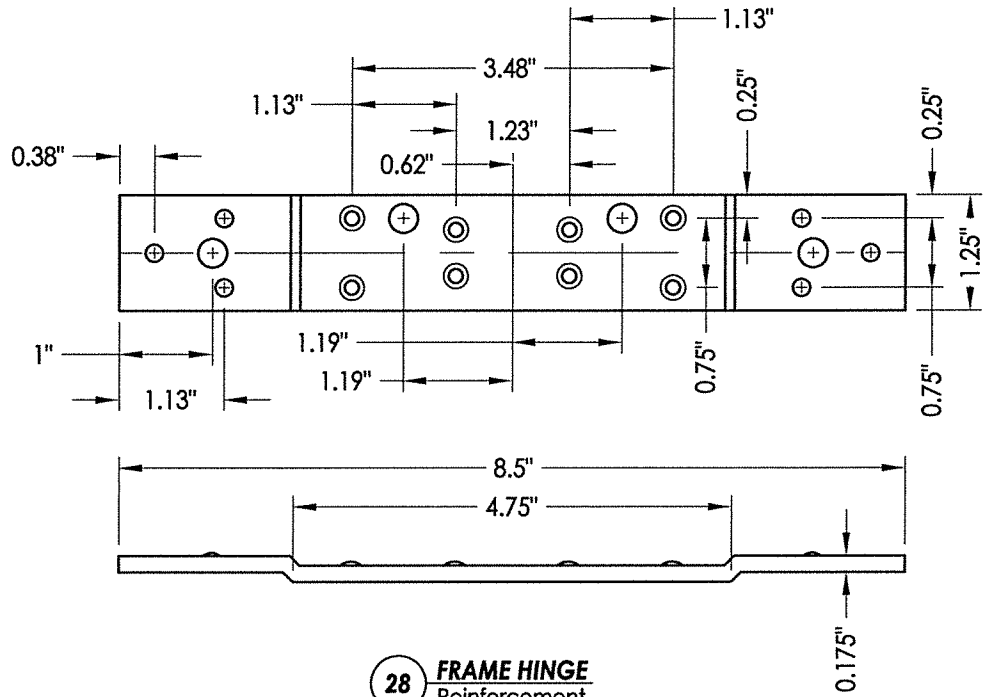
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

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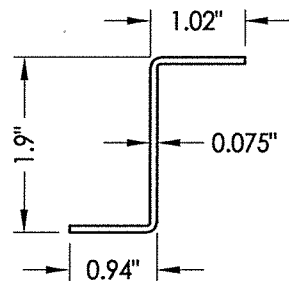
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16493.3
SHEET	5 OF 6

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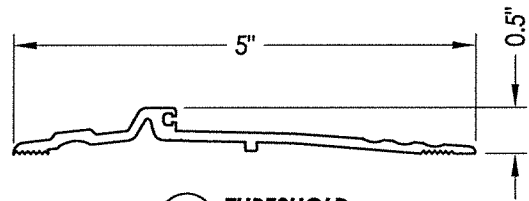
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL
M	3/8" X 5" TAPPER CONCRETE 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
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
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
82	SURFACE BOLT	STEEL
83	1/4" X 2-1/2" PPH MS	STEEL
86	LITE FRAME BY AIR LOUVERS #1500-AJ-2464	STEEL
87	Z ASTRAGAL	STEEL
88	#8 X 1-1/2" PPH MS	STEEL
89	SCREW COVER	STEEL
91	SURFACE BOLT PLATE	STEEL
92	#8 X 1-1/4" PPH SELF TAPPER	STEEL
93	GLASS SPACER	ALUMINUM



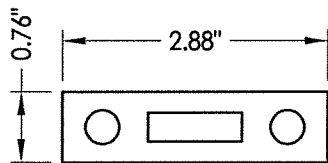
28 FRAME HINGE Reinforcement



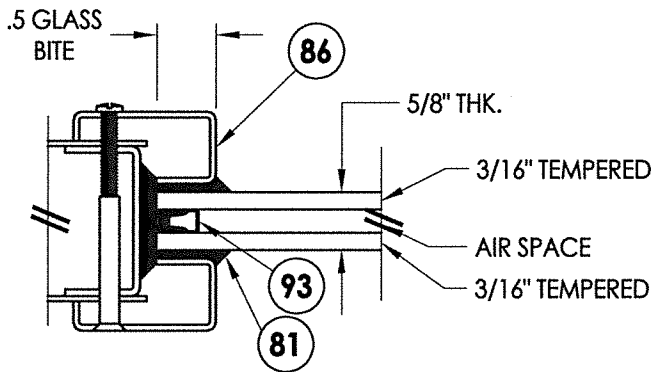
87 Z ASTRAGAL



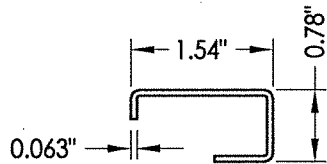
40 THRESHOLD



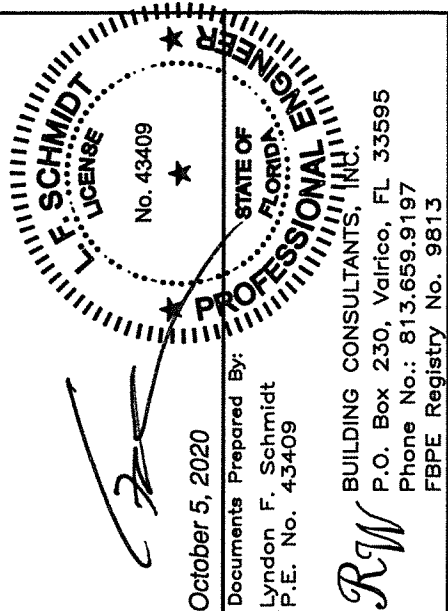
91 SURFACE BOLT PLATE



G1 GLAZING DETAIL



86 GLASS STOP



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

PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAIL & COMPONENTS

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-16493.3

SHEET 6 OF 6