

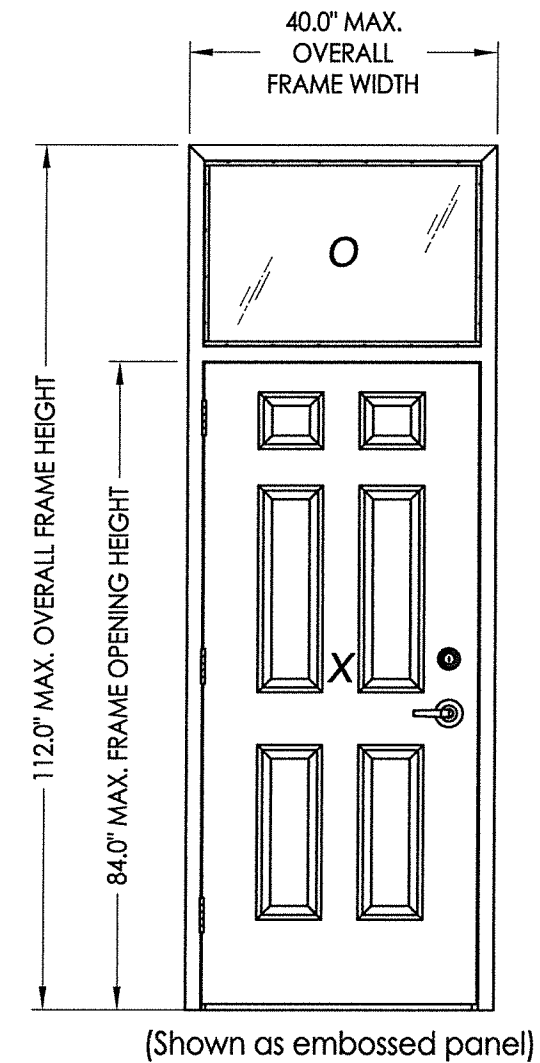
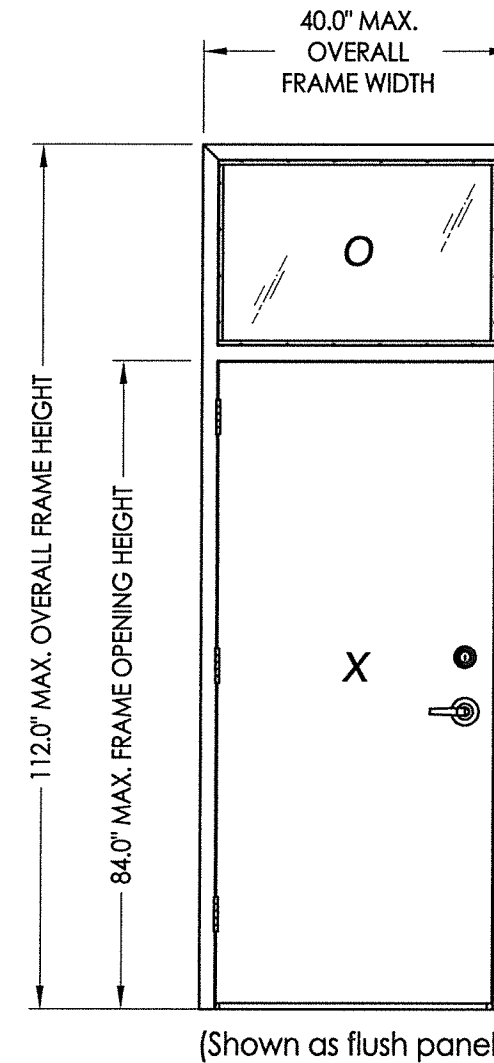
3228 6th AVENUE NORTH
P.O. BOX 635
BIRMINGHAM, AL 35201

"D" SERIES
COMMERCIAL STEEL DOOR
w/ TRANSOM
INSWING / 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 I stiffness classification per Section 8.2.2 of ANSI A250.13 (based on opaque door).

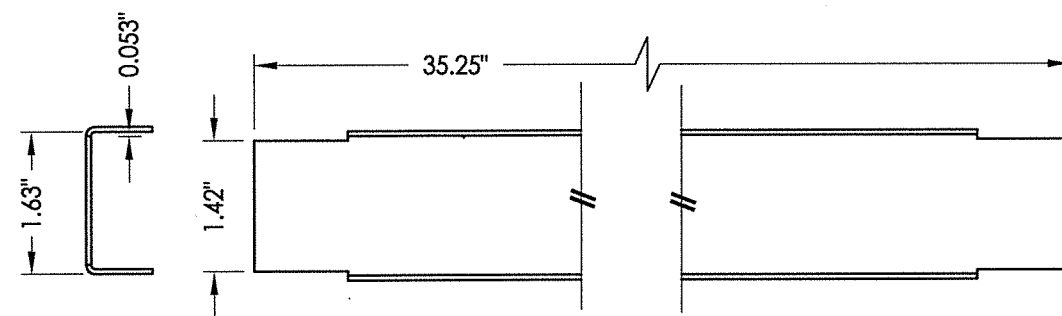
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Door panel sections 161 lock prep
3	Horizontal cross sections
4	Vertical cross sections
5	Vertical cross sections
6	Anchoring details
7	Glazing detail & components
8	Bill of materials & components



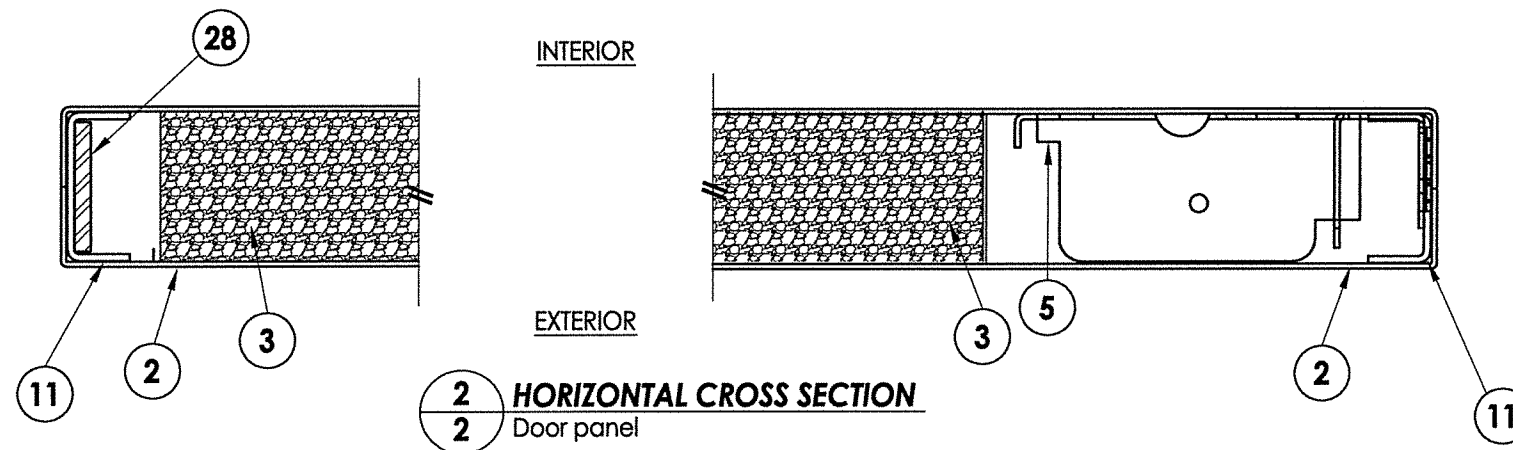
SWING	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
INSWING	40.0" x 112.0"	34.75" x 22.75"	161 LATCH (SCHLAGE)	+55.0	-55.0
	40.0" x 112.0"	34.75" x 22.75"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+65.0	-70.0
OUTSWING	40.0" x 112.0"	34.75" x 22.75"	161 LATCH (SCHLAGE)	+55.0	-55.0
	40.0" x 112.0"	34.75" x 22.75"	161 LATCH & DEADBOLT (DESIGN HARDWARE)	+65.0	-70.0

STRESS (PSF) NEGATIVE -55.0 -70.0 -55.0 -70.0	 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" STEEL DOOR PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES																																																												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>10/01/20</td> <td>UPDATE TO</td> <td>7TH ED.</td> <td>(2020)</td> <td>FBC</td> <td>LFS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>10/16/17</td> <td>UPDATE TO</td> <td>6TH ED.</td> <td>(2017)</td> <td>FBC</td> <td>LFS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>1/06/15</td> <td>UPDATE TO</td> <td>5th ED.</td> <td>(2014)</td> <td>FBC</td> <td>LFS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>NO.</td> <td>DATE</td> <td></td> <td></td> <td></td> <td></td> <td>BY</td> <td></td> <td></td> <td></td> </tr> </table>																					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				
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	DATE: 7/17/13 SCALE: N.T.S. DWG. BY: JK CHK. BY: LFS DRAWING NO.: FL-16493.5																																																													
	SHEET 1 OF 8																																																													

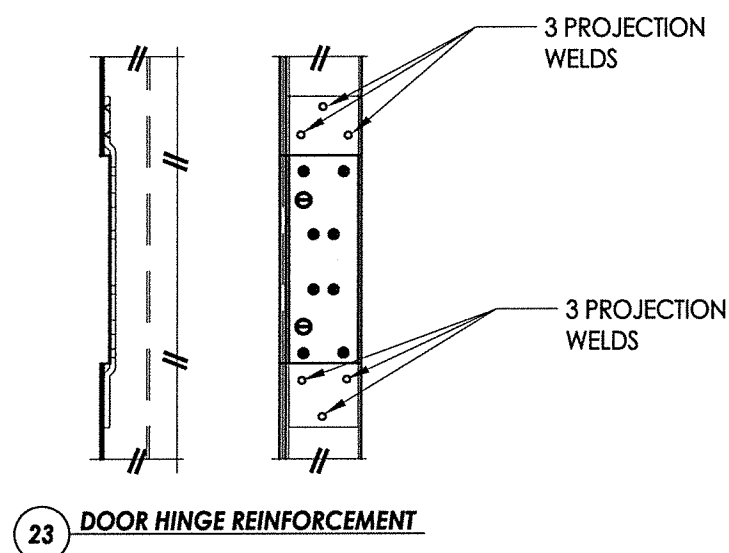
1 "D" OPAQUE STEEL DOOR PANEL



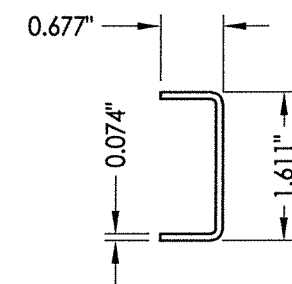
4 DOOR TOP & BOTTOM CLOSER



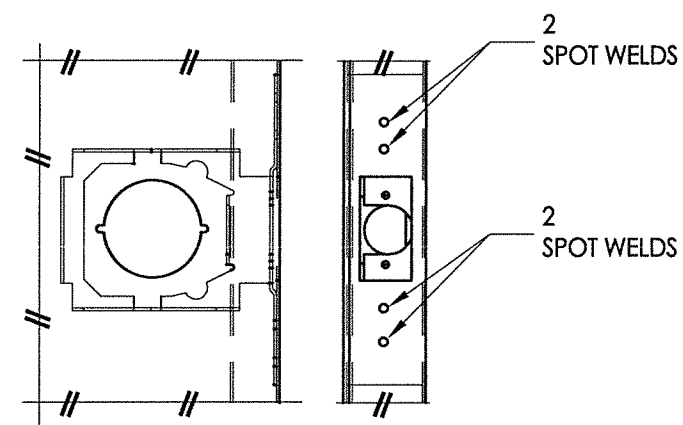
2 HORIZONTAL CROSS SECTION
2 Door panel



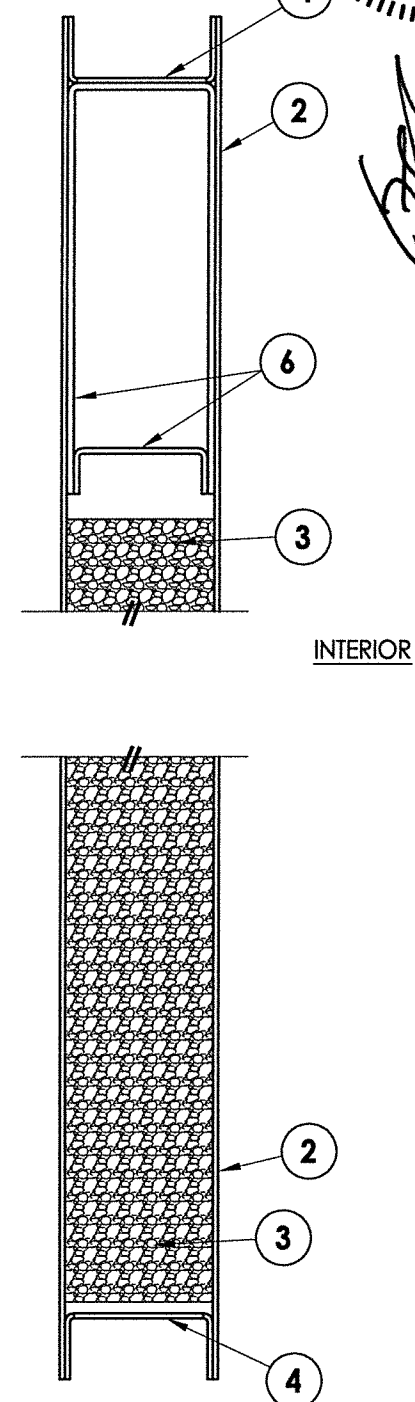
23 DOOR HINGE REINFORCEMENT



11 DOOR STILE EDGE Reinforcement



5 LOCK BOX REINFORCEMENT



1 VERTICAL CROSS SECTION
2 Door panel

2

4

October 5, 2020

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

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

L. F. SCHMIDT
LICENSE
No. 43409

R⁹W

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

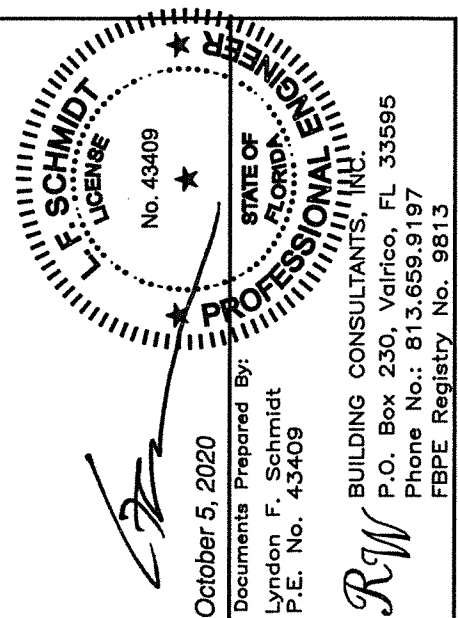
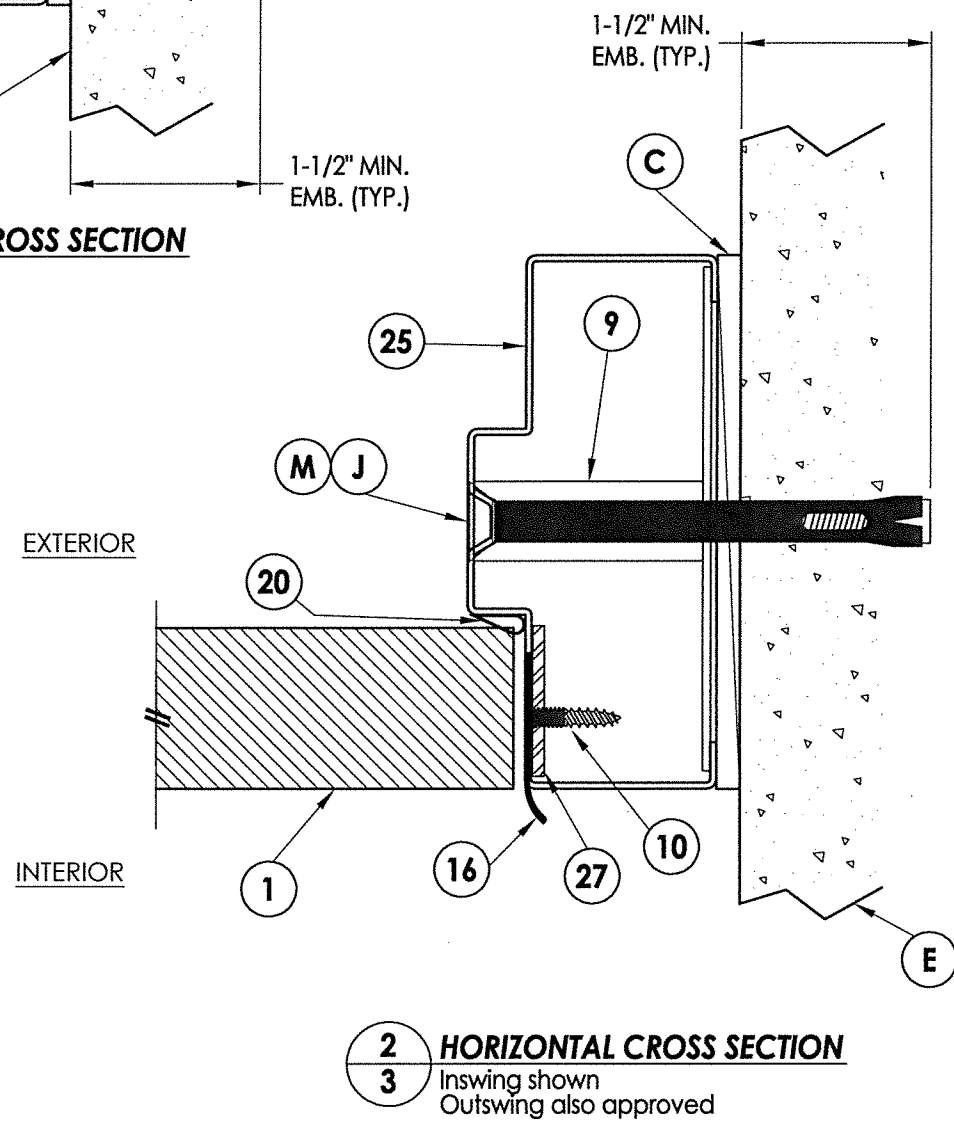
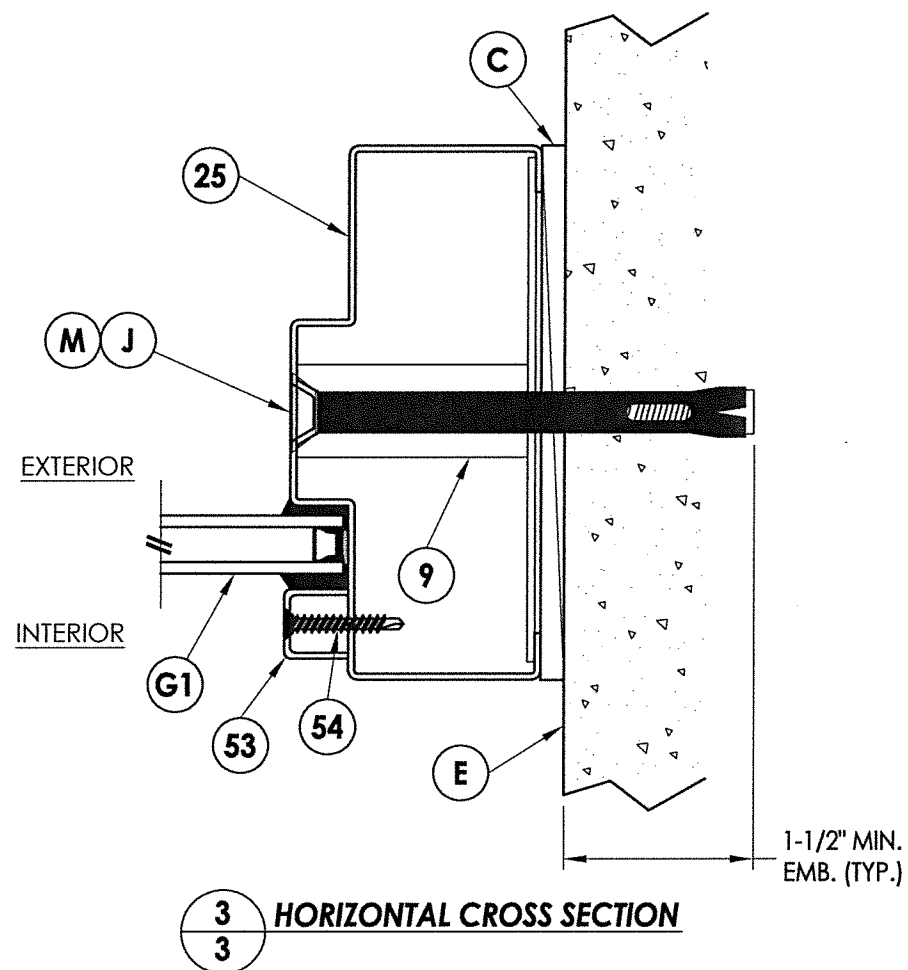
October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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" STEEL DOOR

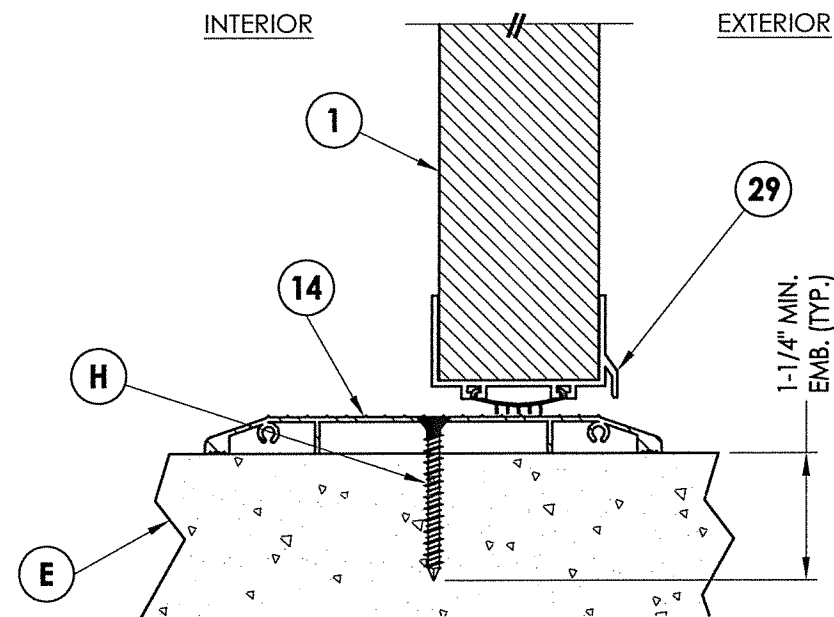
PART OR ASSEMBLY:
DOOR PANEL SECTIONS
161 LOCK PREP

DATE: 7/17/13									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-16493.5									
SHEET 2 of 8									

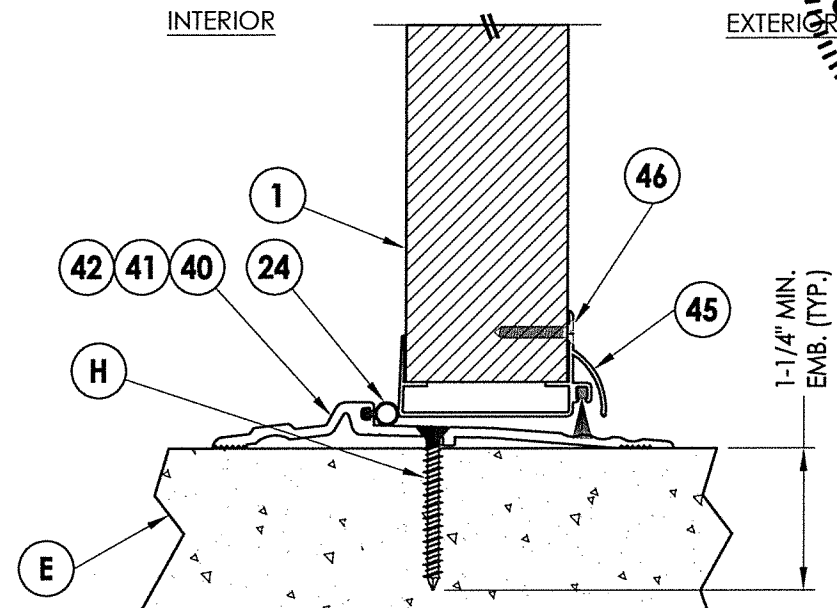


PRODUCT:		MEGAMET INDUSTRIES, INC.		"D" STEEL DOOR	
PART OR ASSEMBLY:					
HORIZONTAL CROSS SECTIONS					
3	10/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	10/16/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	1/06/15	UPDATE TO 5th ED. (2014)	FBC	LFS	
NO.	DATE			BY	
					REVISIONS
DATE: 7/17/13					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-16493.5					
SHEET 3 OF 8					

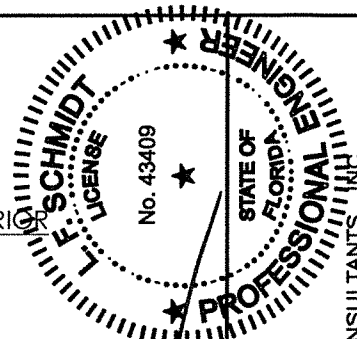
1 **VERTICAL CROSS SECTION**
5 Optional outswing shown



3 VERTICAL CROSS SECTION
5 Optional Outswing shown



2 **VERTICAL CROSS SECTION**
5 Optional Outswing shown



October 5, 2020

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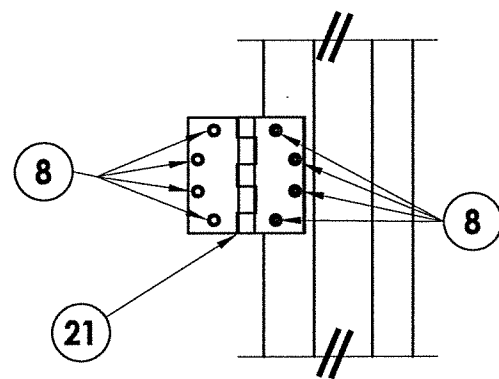
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MEGAMET INDUSTRIES, INC.

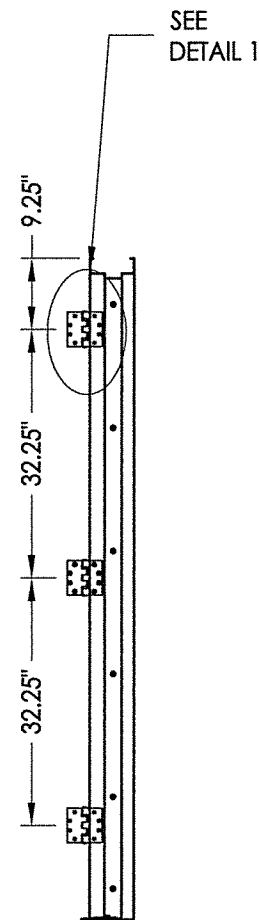
PART OR ASSEMBLY:

VERTICAL CROSS SECTIONS

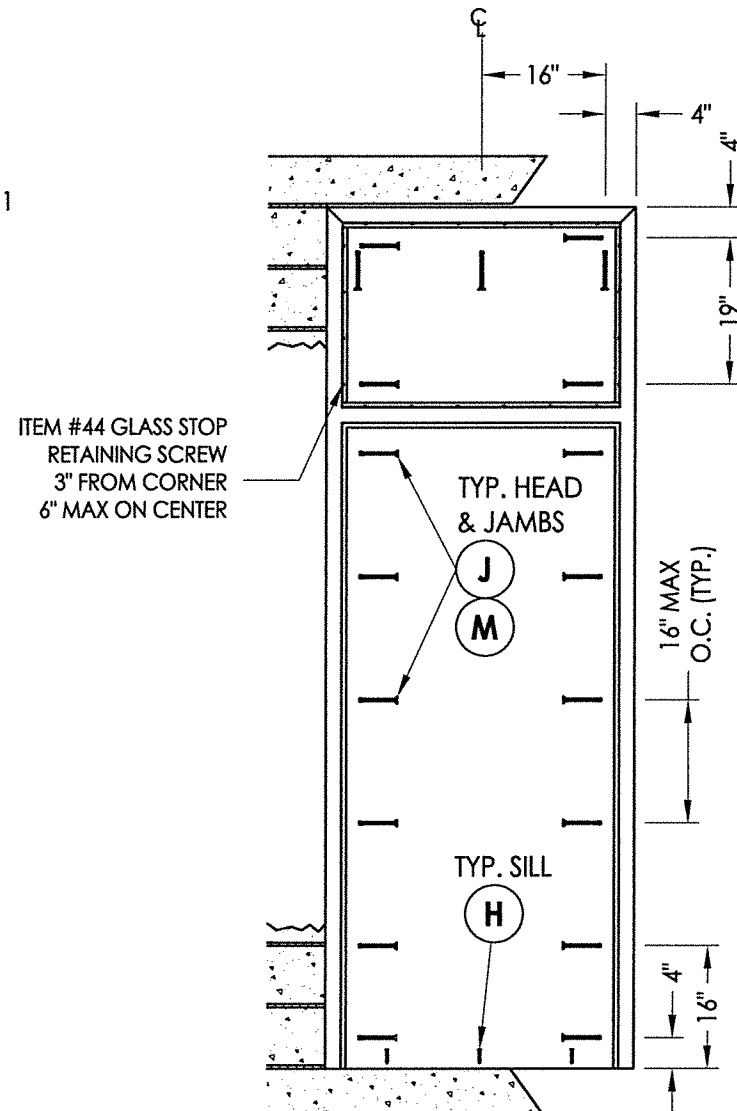
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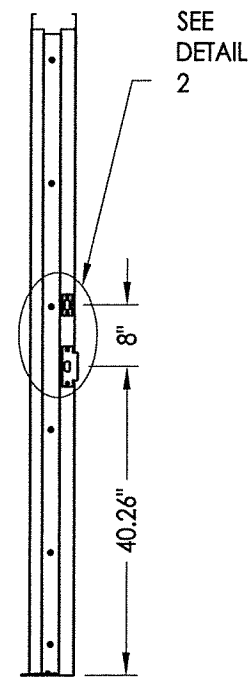
DETAIL 1



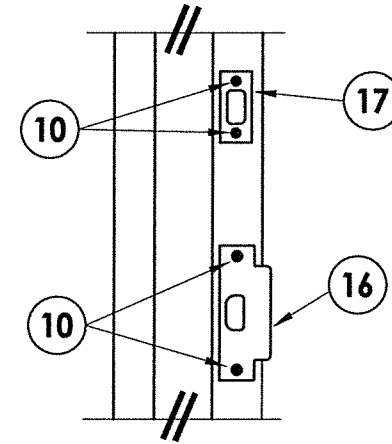
HINGE JAMB



FRAME ANCHORING



STRIKE JAMB



DETAIL 2

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"

FL

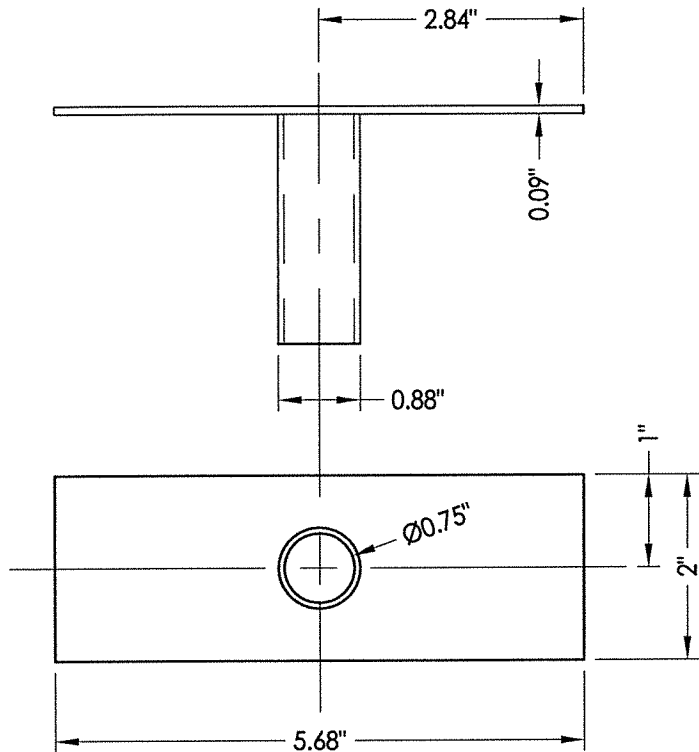
October 5, 2020

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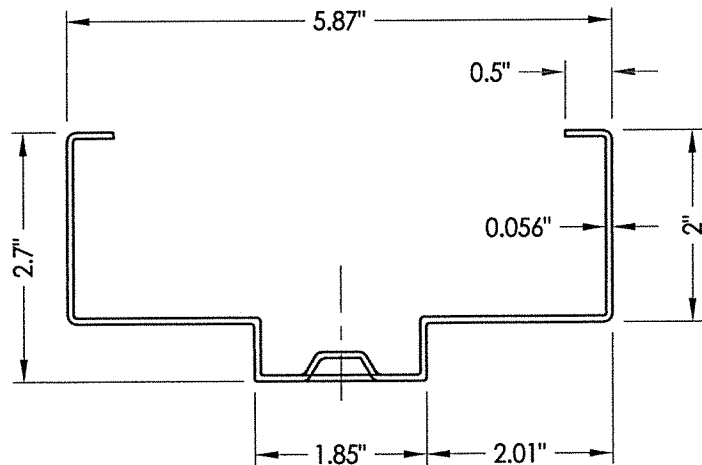
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
L. F. SCHMIDT
LICENSE
No. 43409

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

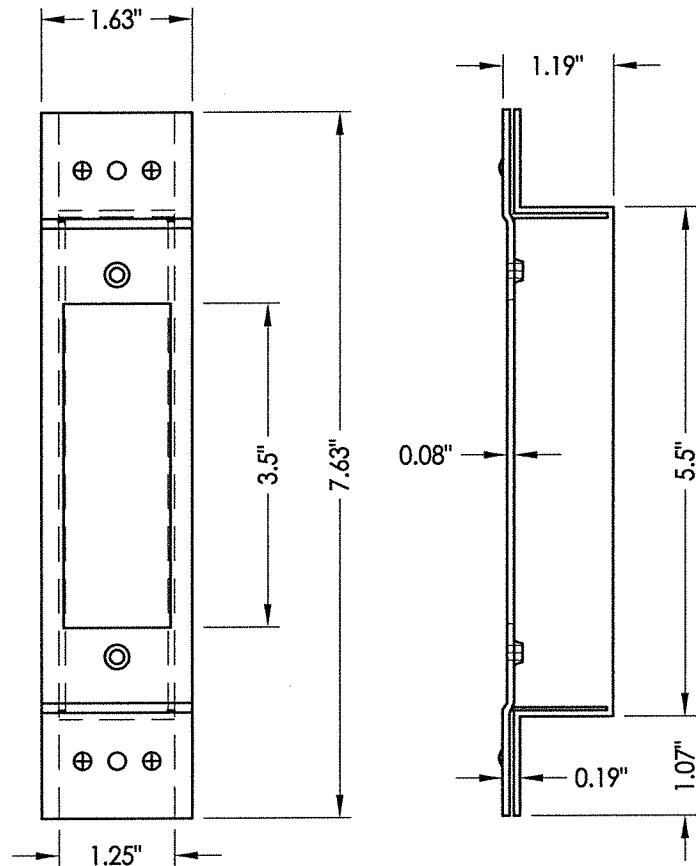
DATE: 7/17/13		PRODUCT: MEGAMET INDUSTRIES, INC. "D" STEEL DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: ANCHORING DETAILS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16493.5			
SHEET 6 OF 8			



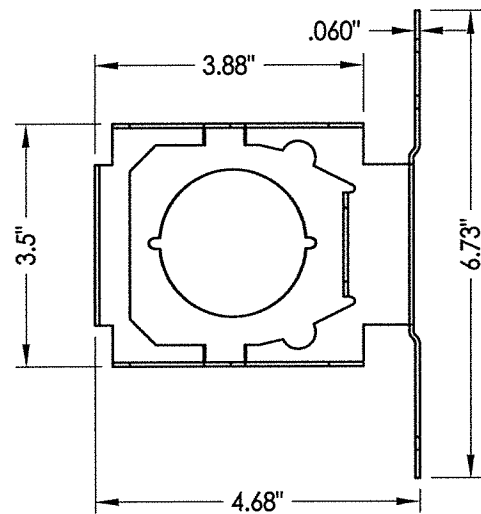
9 TUBE ANCHOR



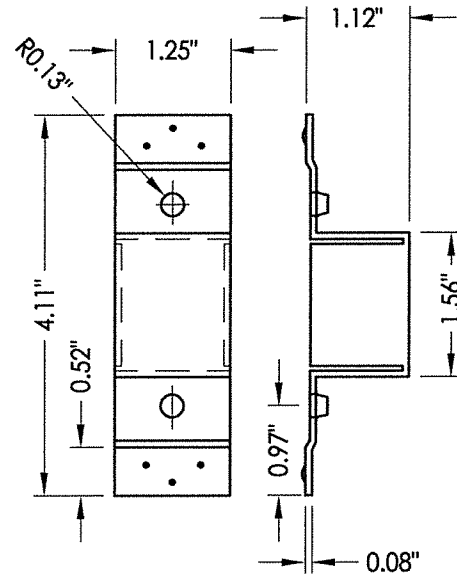
25 HOLLOW METAL FRAME



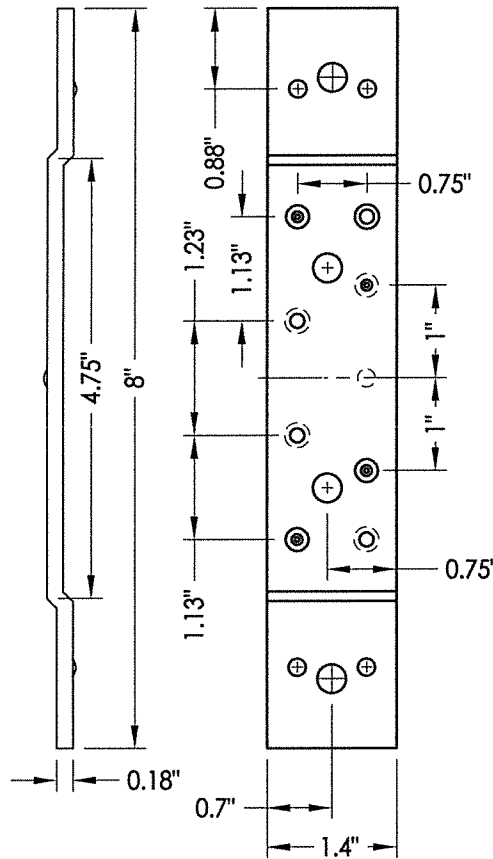
27 LATCH STRIKE REINFORCEMENT



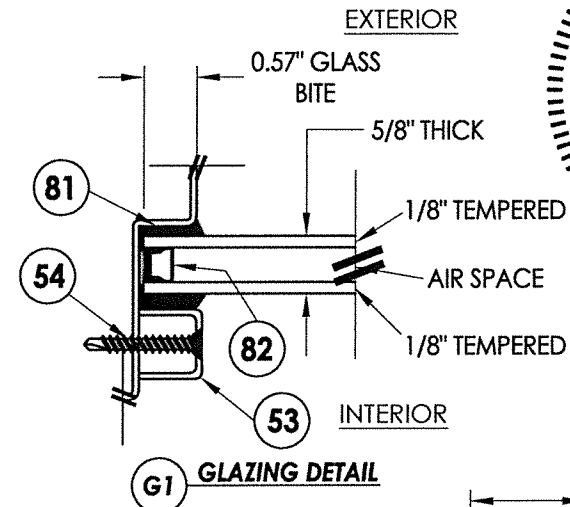
5 LOCK BOX REINFORCEMENT



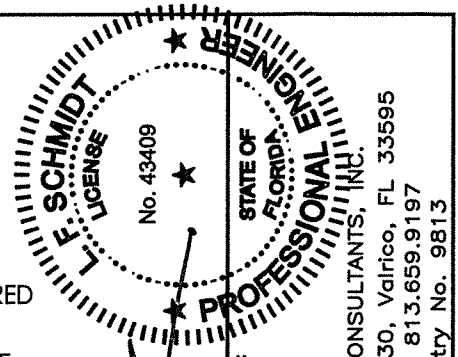
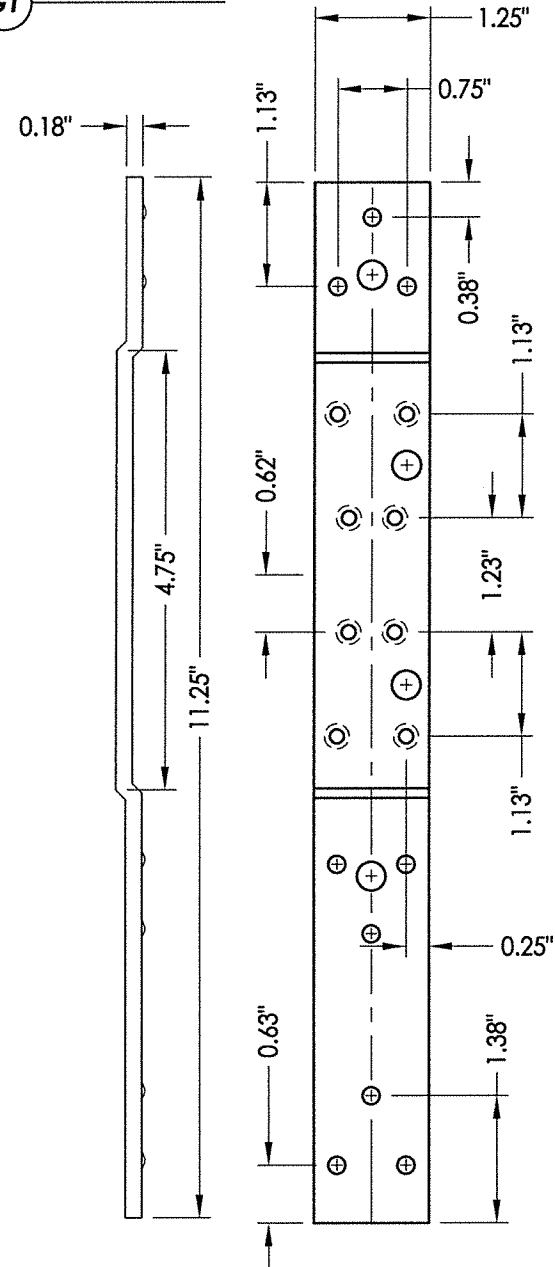
19 DEADBOLT STRIKE REINFORCEMENT



23 STANDARD (SHORT) DOOR HINGE
Reinforcement middle and bottom hinge



22 STANDARD (LONG) DOOR HINGE
Reinforcement top hinge



October 5, 2020

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

PART OR ASSEMBLY:
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

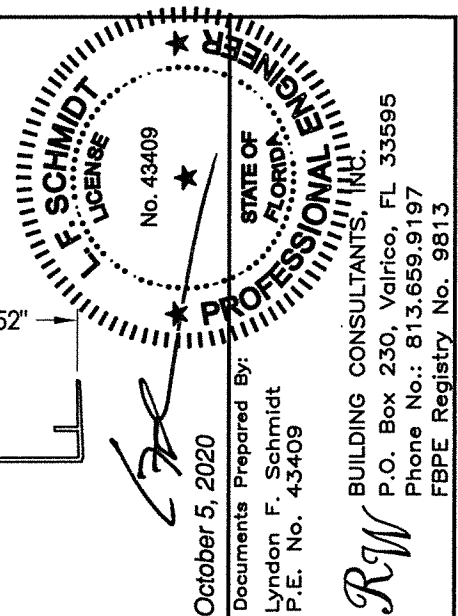
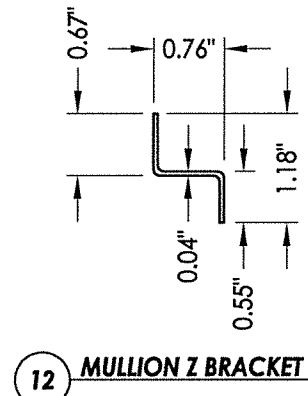
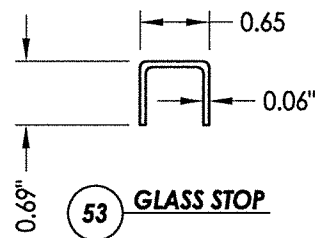
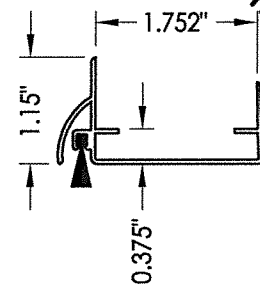
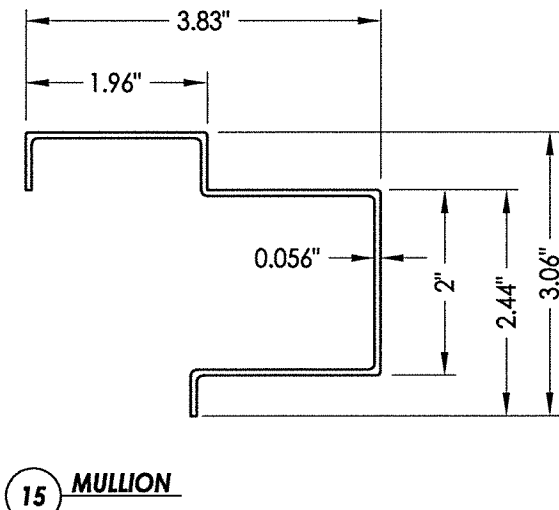
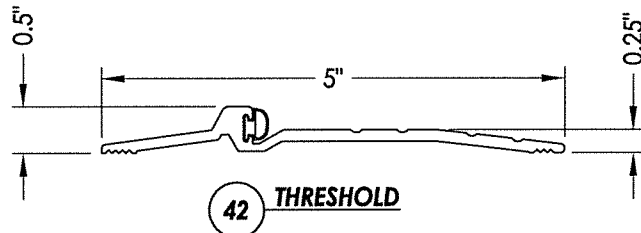
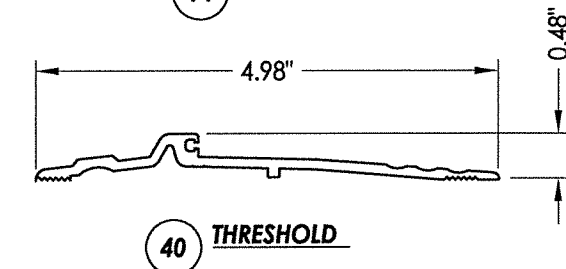
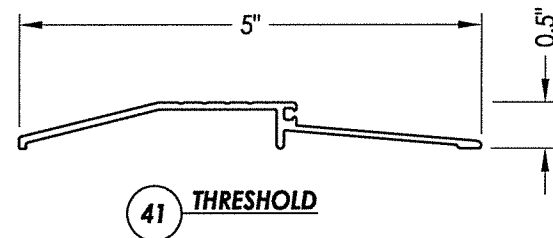
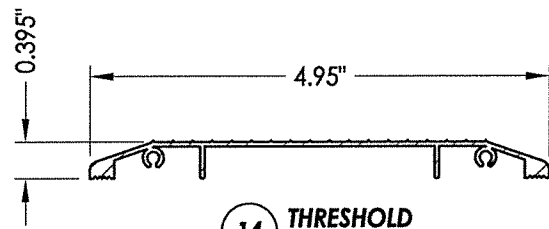
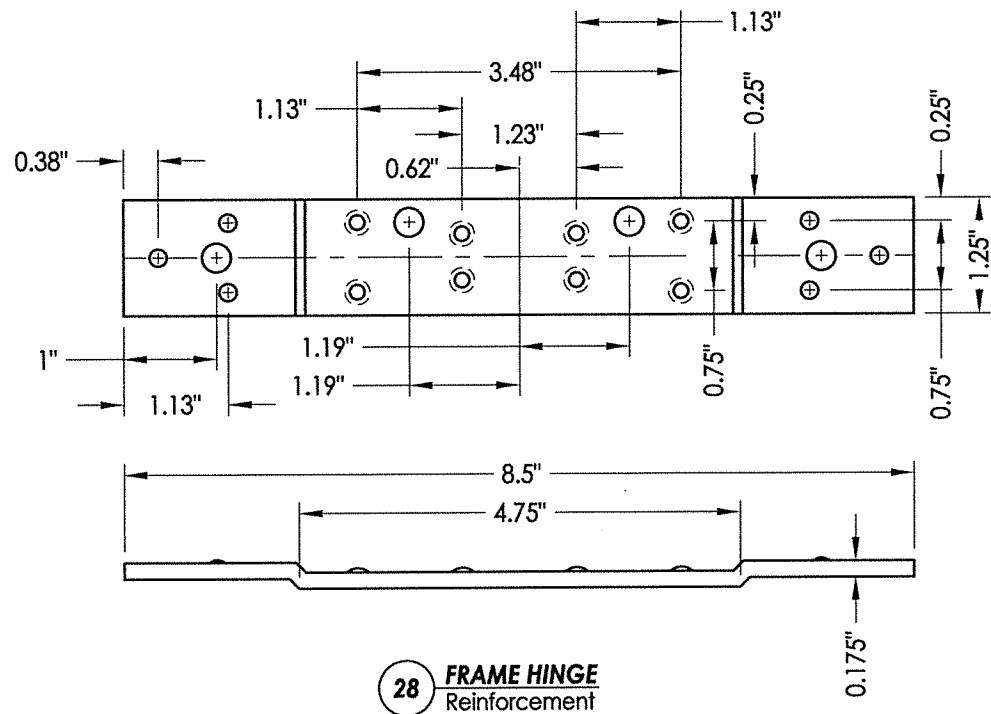
CHK. BY: LFS

DRAWING NO.: FL-16493.5

SHEET 7 OF 8

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

BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-	21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL
H	1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL	24	WEATHER STRIP (THRESHOLD)	NEOPRENE
M	3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL	25	FRAME 5-3/4" X 2" MIN. (0.056" THK)	STEEL
1	"D" OPAQUE STEEL DOOR PANEL	-	27	LATCH STRIKE REINFORCEMENT	STEEL
2	DOOR SKIN (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)	STEEL	28	FRAME HINGE REINFORCEMENT	STEEL
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE	29	COLUMBIA DOOR BOTTOM SWEEP #2580	ALUMINUM
4	DOOR TOP & BOTTOM CLOSER	STEEL	40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
5	LOCK BOX REINFORCEMENT	STEEL	41	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950	ALUMINUM
6	CLOSER REINFORCEMENT	STEEL	42	THRESHOLD PEMKO #2005 V	ALUMINUM
8	#12-24 x 1/2" SELF TAPPER	STEEL	45	95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.	ALUMINUM
9	TUBE ANCHOR	STEEL	46	#6 X 3/4" PHILLIPS HEAD SMS	STEEL
10	#12-24 x 1.0" COMBINATION MACHINE / WOOD SCREW	STEEL	53	U-CHANNEL GLASS STOP	STEEL
11	DOOR STILE EDGE REINFORCEMENT	STEEL	54	#8 X 1.25" PFH SMS	STEEL
12	MULLION Z BRACKET	STEEL	70	SCHLAGE LOCK SET ASSEMBLY ND53PD	STEEL
14	COLUMBIA ADA THRESHOLD #6510	ALUMINUM	71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
15	MULLION MIN. (0.056" THK)	STEEL	72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
16	ANSI LATCH STRIKE	STEEL	76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
17	DEADBOLT STRIKE	STEEL	77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
19	DEADBOLT STRIKE REINFORCEMENT	STEEL	81	DOW 995 STRUCTURAL SILICONE	SILICONE
20	WEATHER-STRIP	NEOPRENE	82	GLASS SPACER	ALUM



October 5, 2020

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
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DATE: 7/17/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16493.5
SHEET 8 OF 8