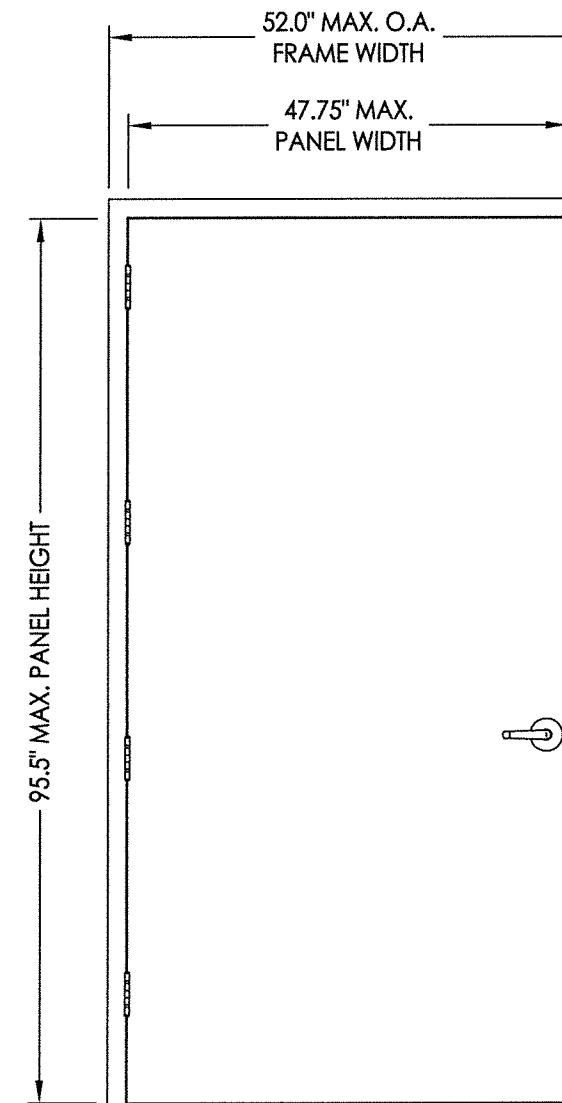
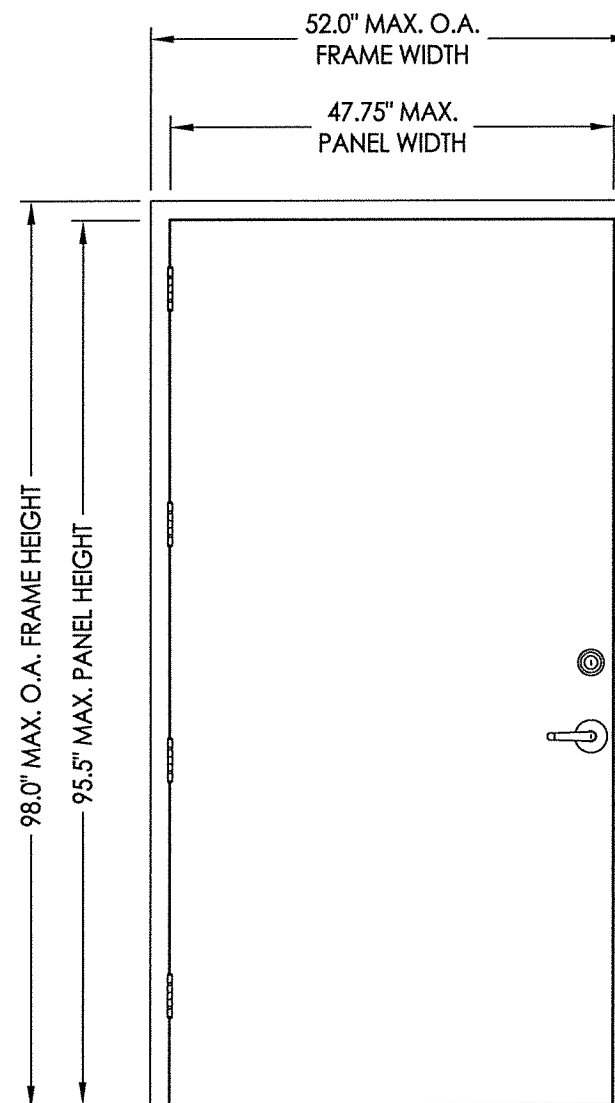


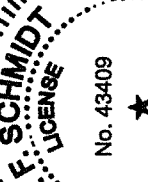
**"D" SERIES
SINGLE OPAQUE DOOR
"NON-IMPACT"
OUTSWING**

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 Sections 1609.1.2 & R301.2.1.2.
4. The "D" door achieves a Class I stiffness classification per Section 8.2.2 of ANSI A250.13.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Horizontal cross sections
5	Horizontal cross sections
6	Vertical cross sections
7	Buck and frame anchoring
8	Anchoring details
9	Components
10	Bill of materials and components



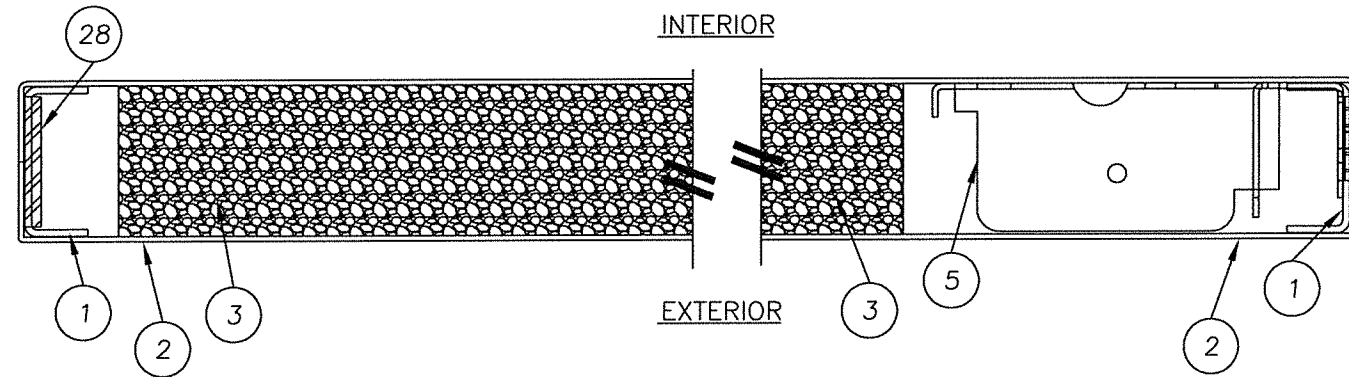
OVERALL FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
52.0" x 98.0"	LATCH & DEADBOLT (DESIGN HARDWARE)	+45.0	-45.0
	LATCH & DEADBOLT (SCHLAGE)	+45.0	-45.0
	LATCH (SCHLAGE)	+45.0	-45.0



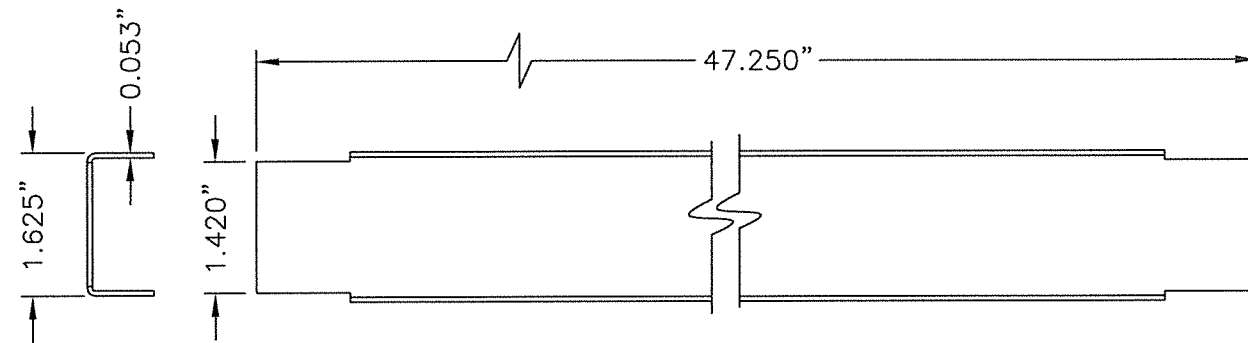
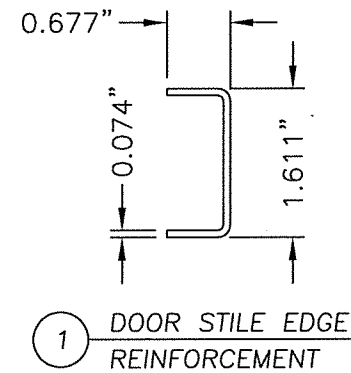
October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

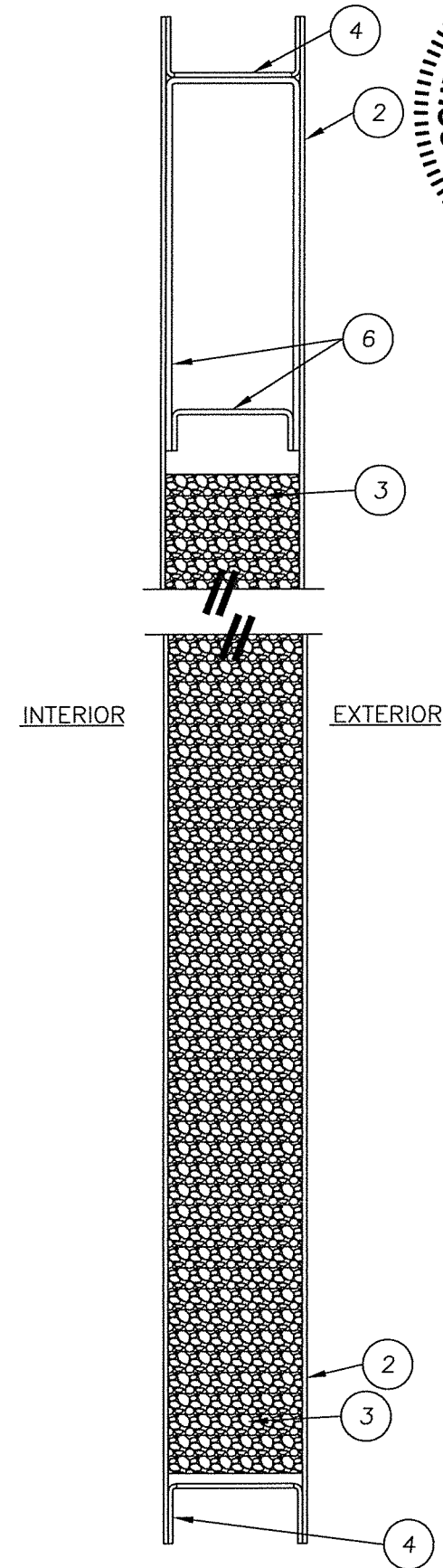
DATE: 1/05/15					PRODUCT: MEGAMET INDUSTRIES, INC. "D" PANELS "NON-IMPACT"	
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-16493.14						
SHEET 1 OF 10						
						PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
				LFS		
			2	10/05/20	UPDATE TO 7TH ED. (2020)	FBC
			1	10/16/17	UPDATE TO 6TH ED. (2017)	FBC
			NO.	DATE		BY
REVISIONS						



2 HORIZONTAL CROSS SECTION



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



1 VERTICAL CROSS SECTION
2

[Signature]

October 5, 2020

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

No. 43409

STATE OF
FLORIDA
PROFESSIONAL ENGINEER
L. F. SCHMIDT
LICENSE

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 "NON-IMPACT"

PART OR ASSEMBLY:
DOOR PANEL DETAILS

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

DATE: 1/05/15

SCALE: N.T.S.

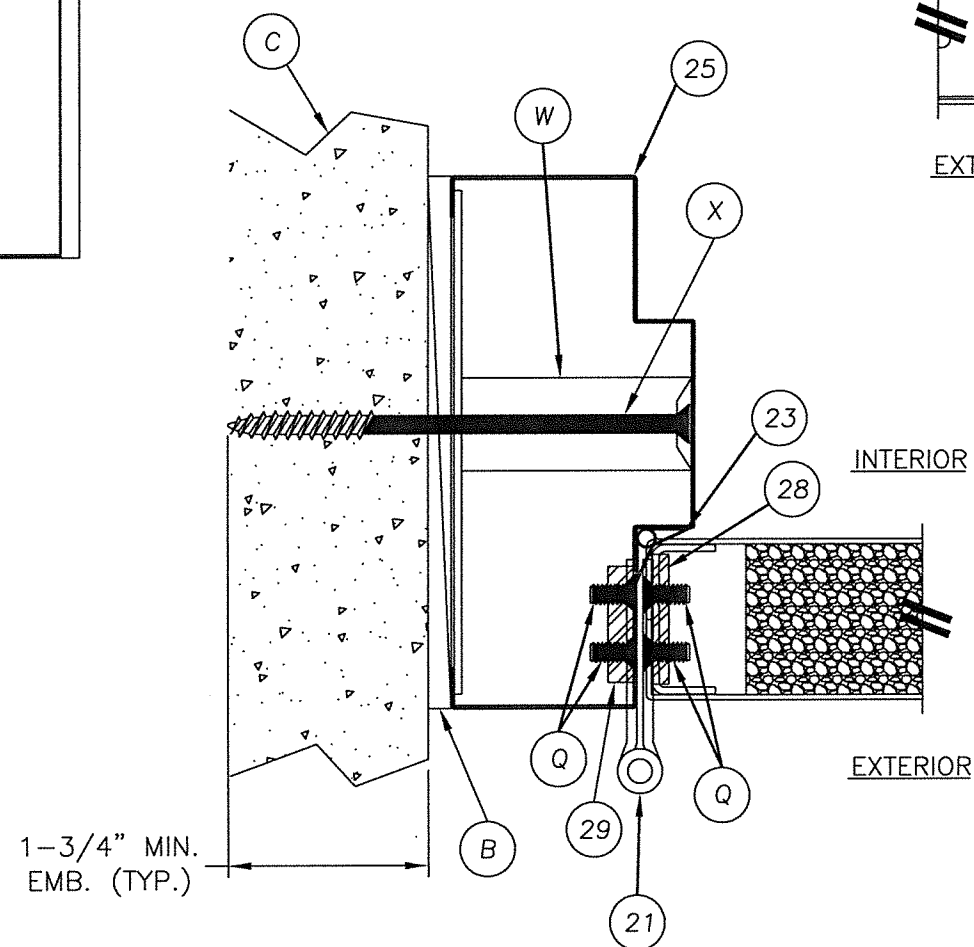
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CHK. BY: LFS

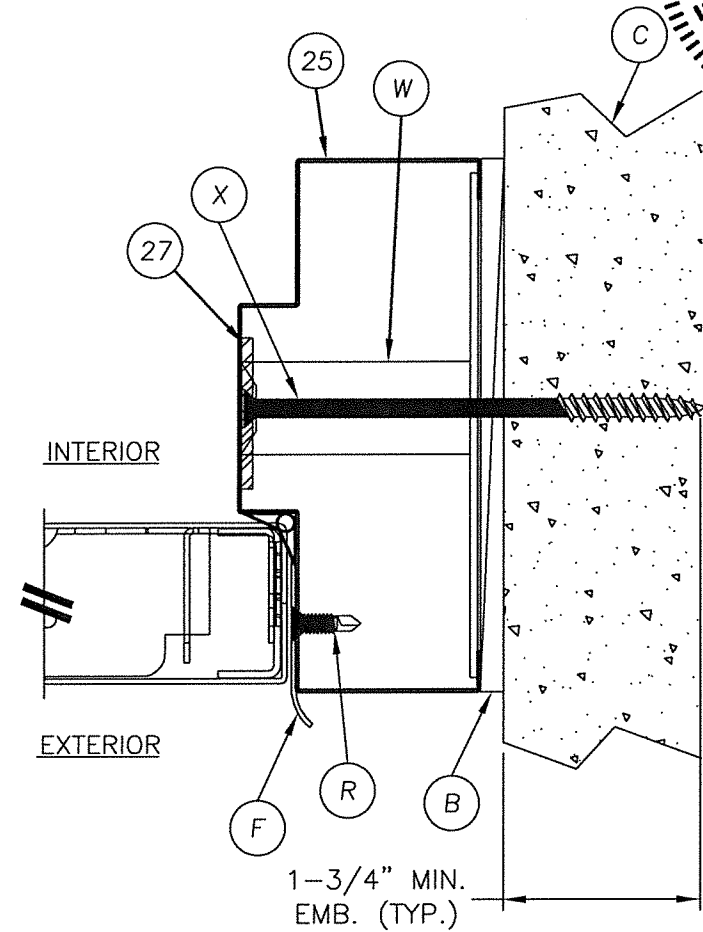
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FL-16493.14

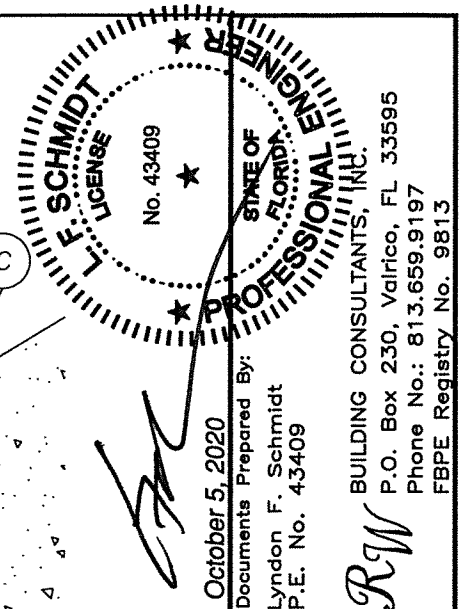
SHEET 2 OF 10



1 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR



2 HORIZONTAL CROSS SECTION
3 @ LATCH
SHOWN WITH TUBE ANCHOR

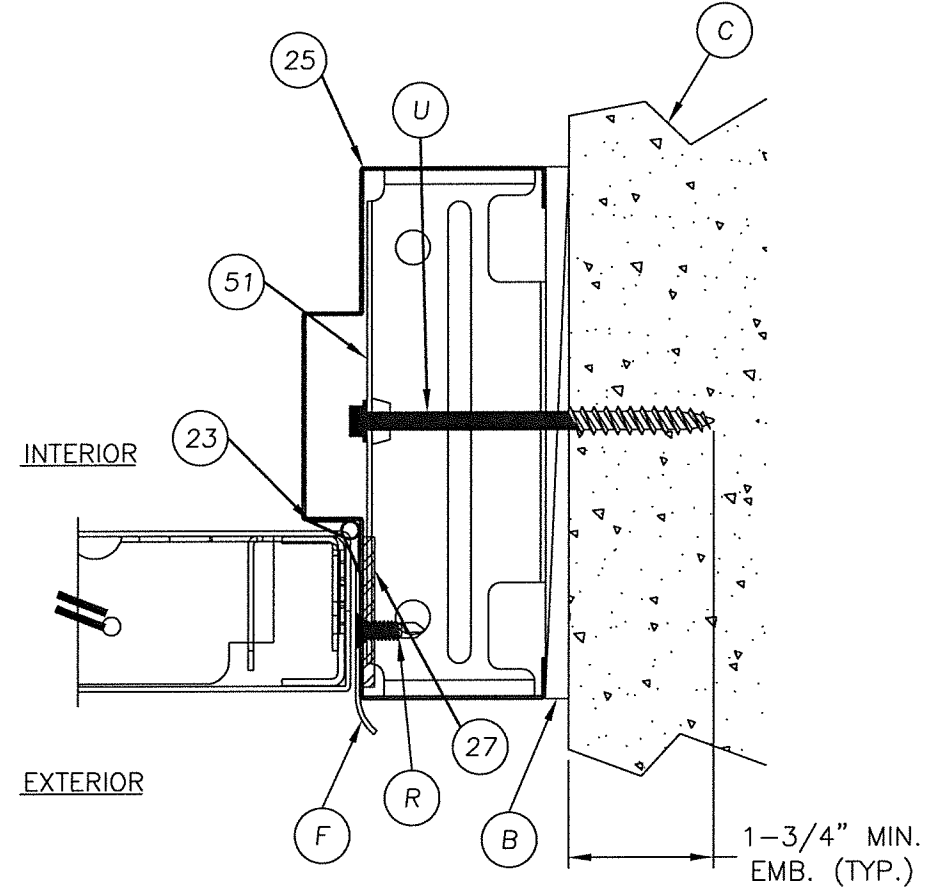


October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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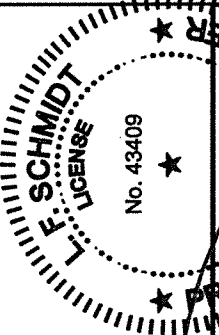
DATE: 1/05/15		PRODUCT: MEGAMET INDUSTRIES, INC. "D" PANELS "NON-IMPACT"				
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS				
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-16493.14						
SHEET 3 OF 10						
2	10/05/20	UPDATE TO 7TH ED. (2020)	FBC	LFS		
1	10/16/17	UPDATE TO 6TH ED. (2017)	FBC	LFS		
NO.	DATE			BY		
				REVISIONS		

1 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR



2 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR


October 5, 2020
Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
MEGAMET INDUSTRIES, INC.:
"D" PANELS "NON-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.

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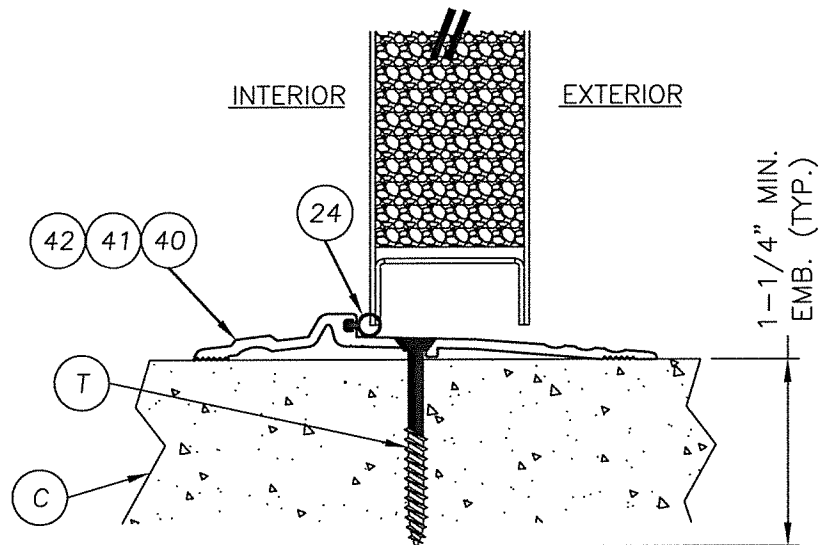
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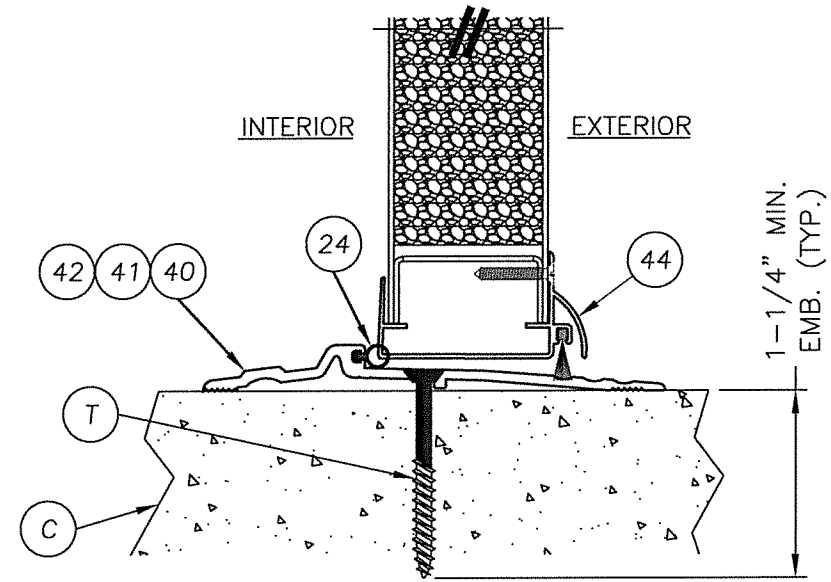
FL-16493.14

SHEET 5 OF 10

1 VERTICAL CROSS SECTION
6 @ HEAD

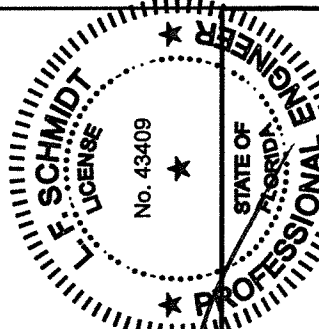


2 VERTICAL CROSS SECTION
6 @ THRESHOLD



2 VERTICAL CROSS SECTION
6 @ THRESHOLD


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


L.F. SCHMIDT
LICENSE
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PROFESSIONAL ENGINEER

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FBPE Registry No. 9813

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

PART OR ASSEMBLY:
VERTICAL 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	REVISIONS		
BY				

DATE:	1/05/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16493.14
SHEET	6 OF 10

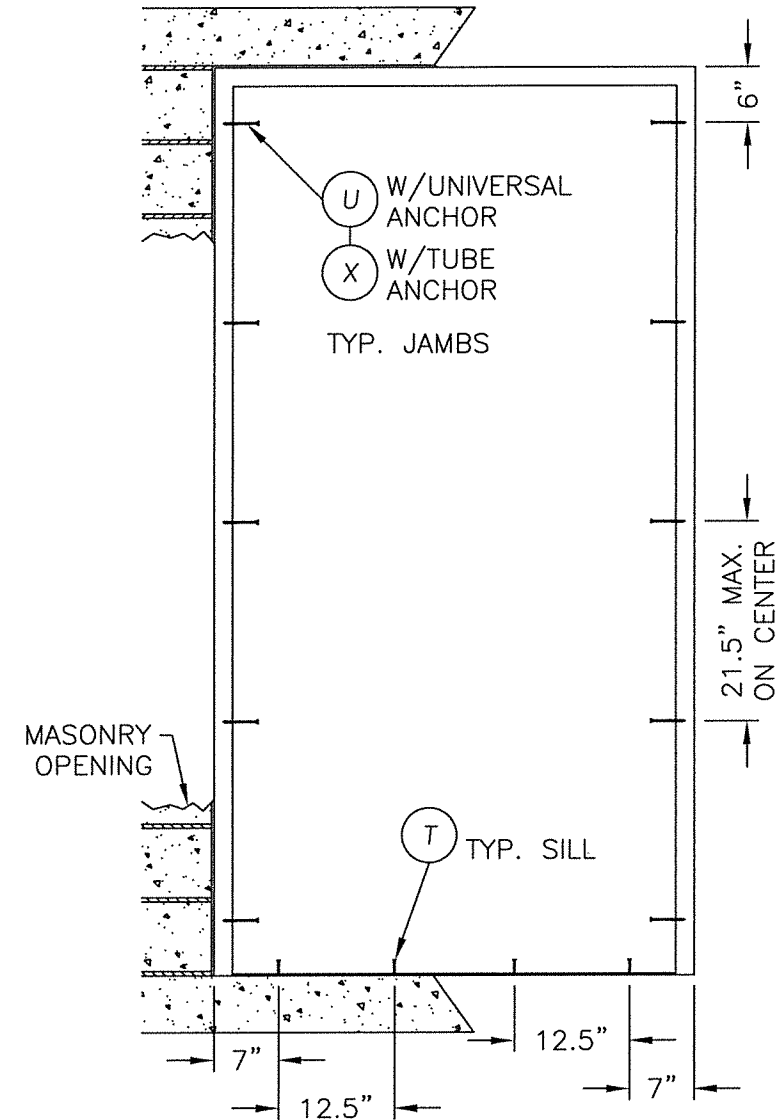
PLACE (1) TEE ANCHOR
@ EVERY OTHER MORTAR
JOINT (6) TOTAL PER JAMB

V TYP.
JAMBS

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:

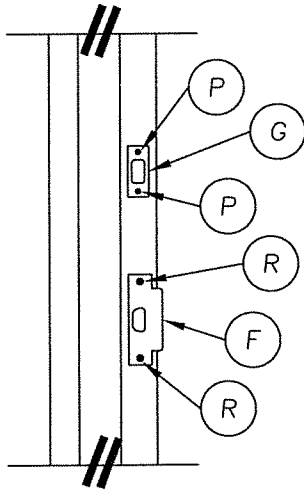
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"
ITW TAPCON® XL	5/16"	1-3/4"	2-1/2"	5"
DeWALT ULTRACON®	5/16"	1-3/4"	3-1/8"	5"

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



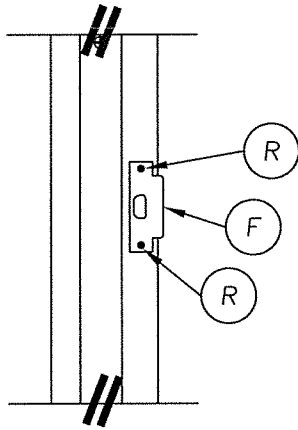
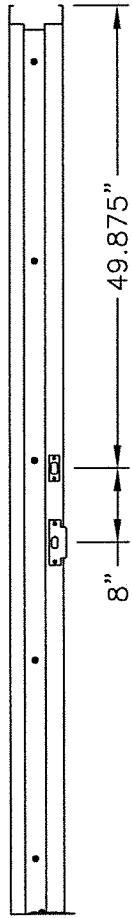
SHEET		7 OF 10	DRAWING NO.: FL-16493.14	CHK. BY: LFS	DWG. BY: JK	SCALE: N.T.S.	DATE:	1/05/15			
								NO.	DATE	REVISIONS	
							2	10/05/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
							1	10/16/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
											BY
PRODUCT:											
MEGAMET INDUSTRIES, INC. "D" PANELS "NON-IMPACT"											
PART OR ASSEMBLY:											
BUCK AND FRAME ANCHORING											
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			OCTOBER 5, 2020								
R ^N BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 981'3											

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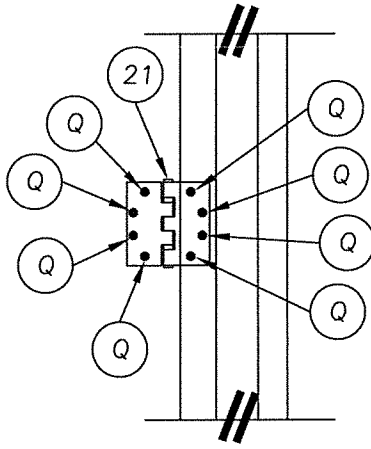
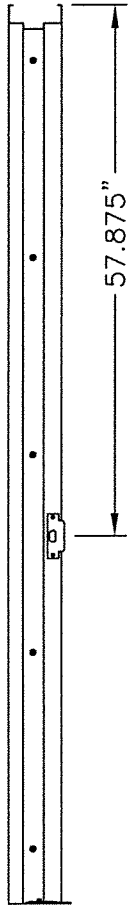
STRIKE PLATE DETAIL
ANSI STRIKE & DEADBOLT

STRIKE PLATE
LOCATIONS 2" HEAD



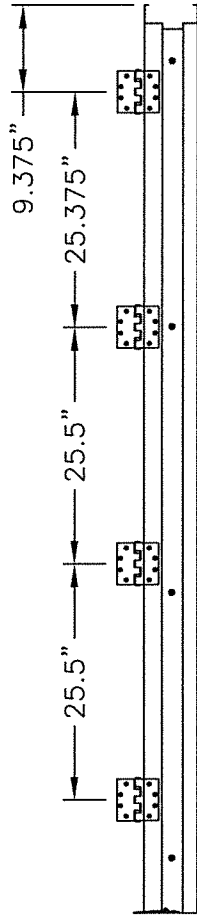
STRIKE PLATE DETAIL
ANSI STRIKE

STRIKE PLATE
LOCATION 2" HEAD



HINGE DETAIL

HINGE LOCATIONS
2" HEAD



DATE: 1/05/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-16493.14
SHEET 8 OF 10

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

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

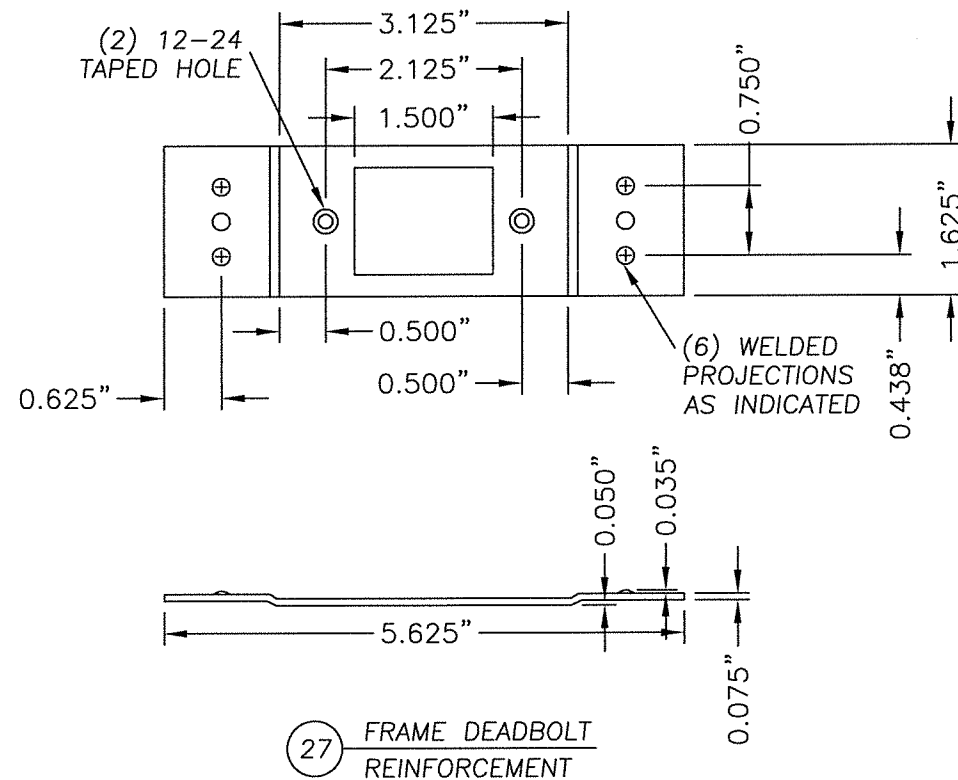
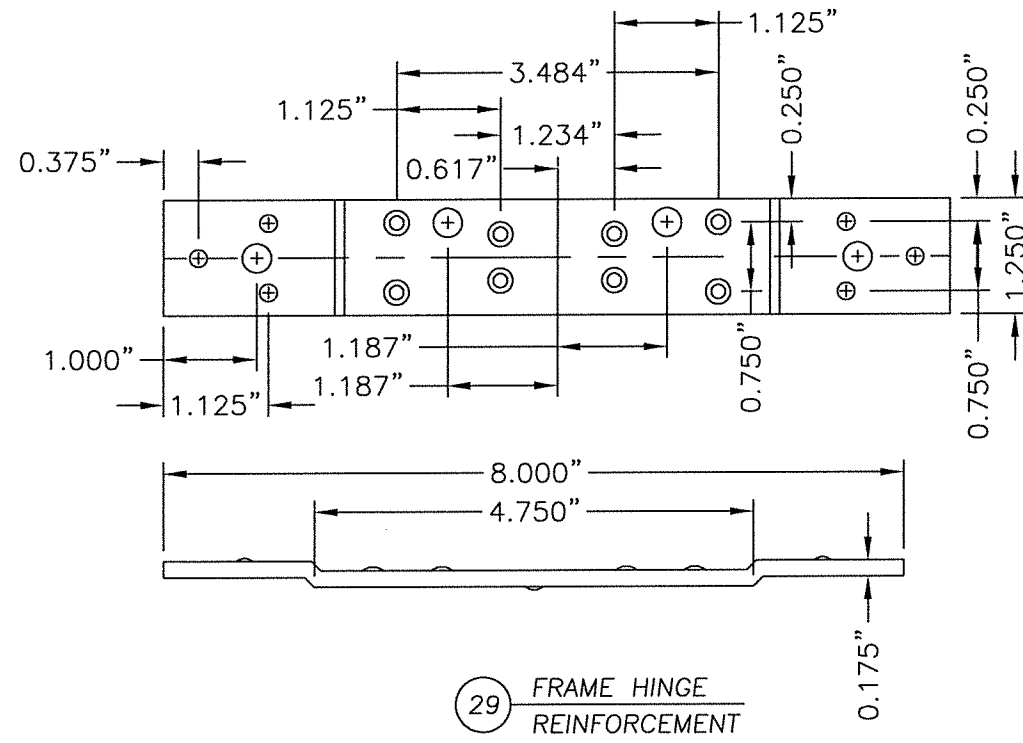
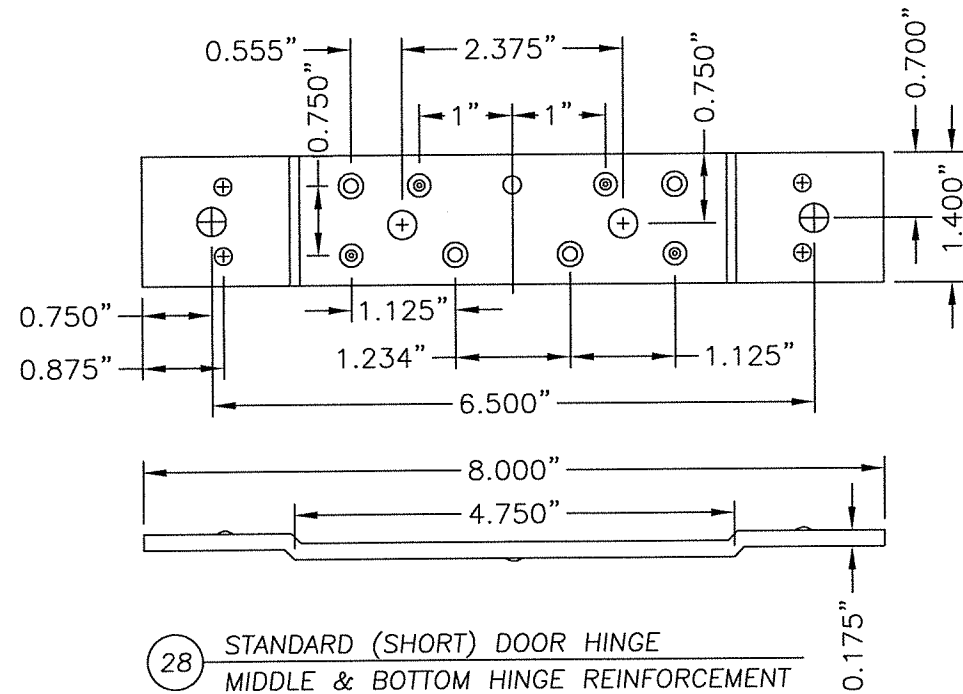
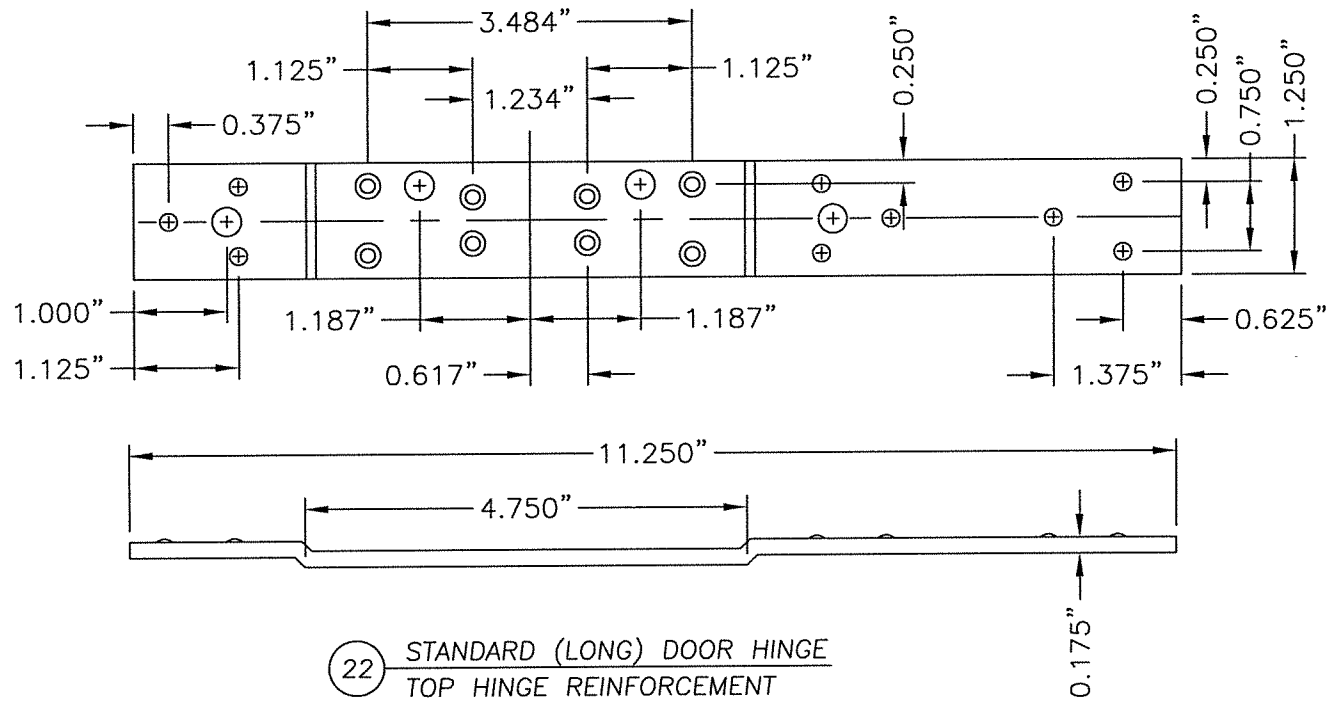
PART OR ASSEMBLY:
ANCHORING DETAILS

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

FLORIDA
PROFESSIONAL ENGINEER
L. E. 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



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

FLORIDA PROFESSIONAL ENGINEER
No. 43409

MEGAMET INDUSTRIES, INC.
"D" PANELS "NON-IMPACT"

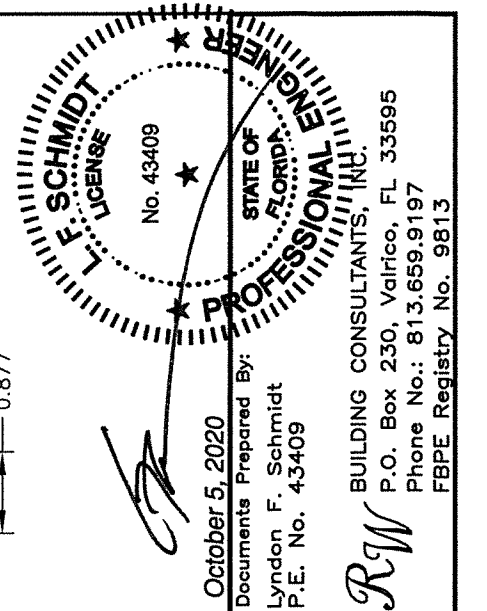
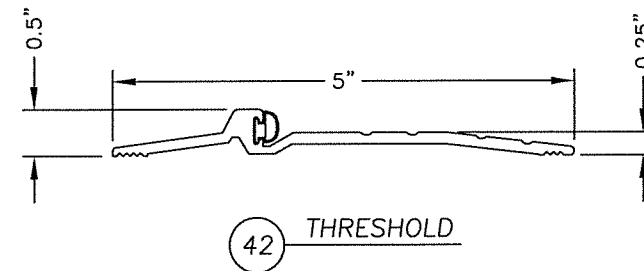
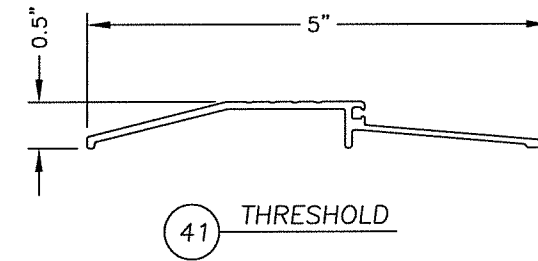
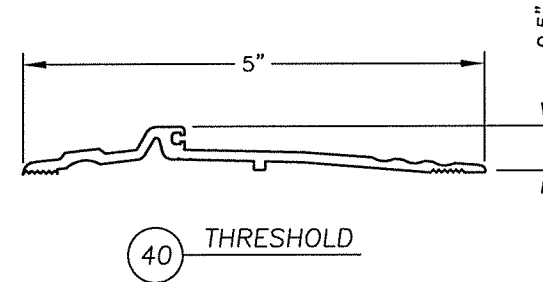
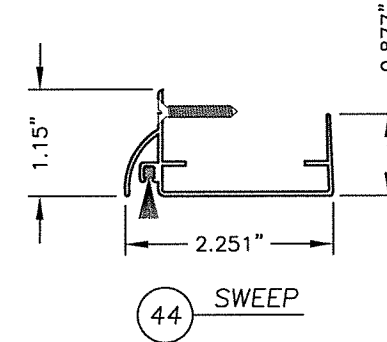
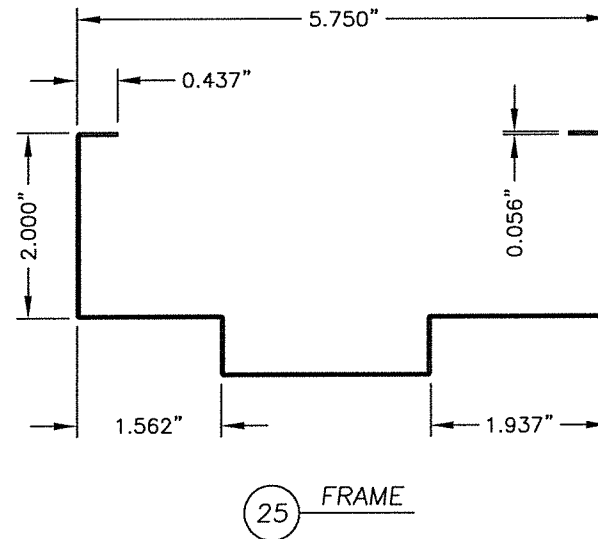
PART OR ASSEMBLY:
COMPONENTS

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

DATE: 1/05/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16493.14
SHEET 9 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 D-2 SERIES DEADBOLT	STEEL
E	DESIGN HARDWARE X-SERIES LATCH (161 PREP)	STEEL
F	LATCH STRIKE PLATE	BRASS
G	DEADBOLT STRIKE PLATE	STEEL
K	SCHLAGE LOCKSET ASSEMBLY ND53PD	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
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



DATE: 1/05/15		PRODUCT: MEGAMET INDUSTRIES, INC. "D" PANELS "NON-IMPACT"		
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-16493.14				
SHEET 10	OF 10	PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS
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		

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