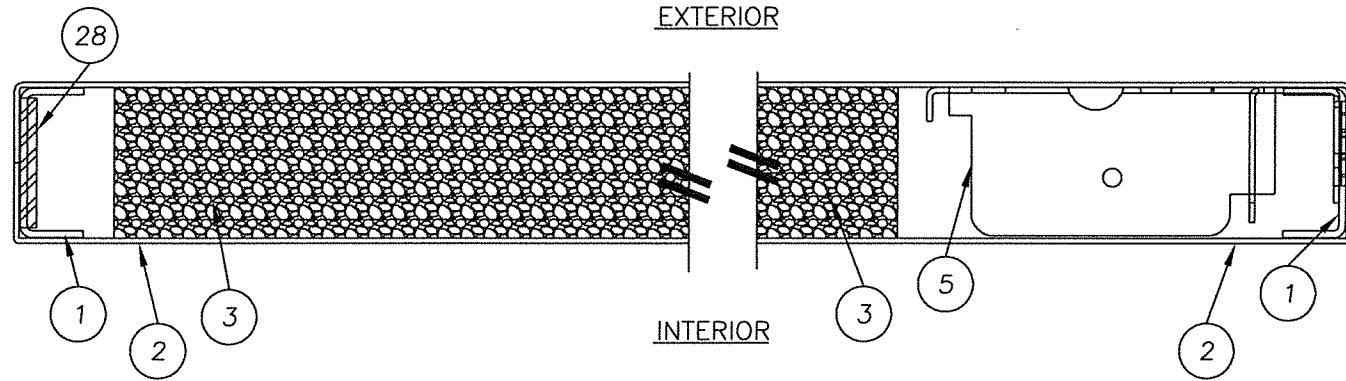
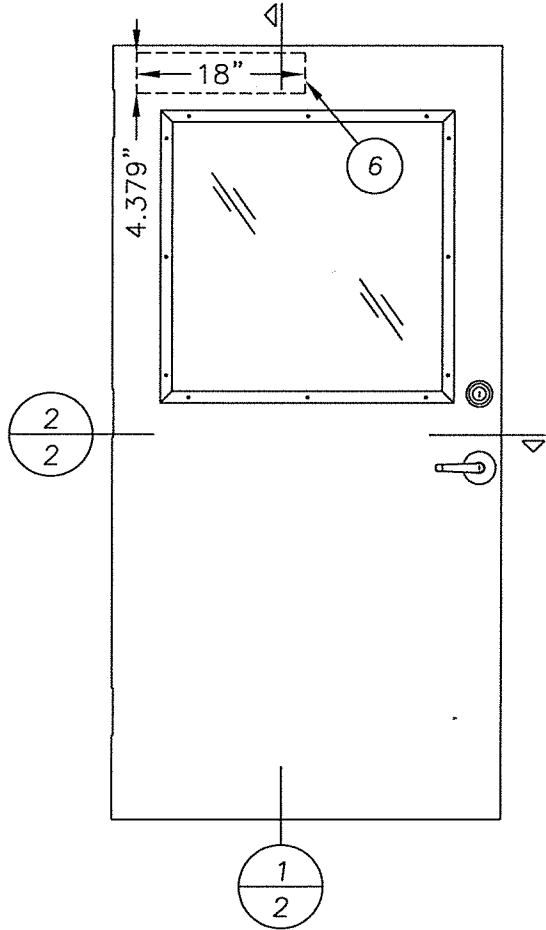
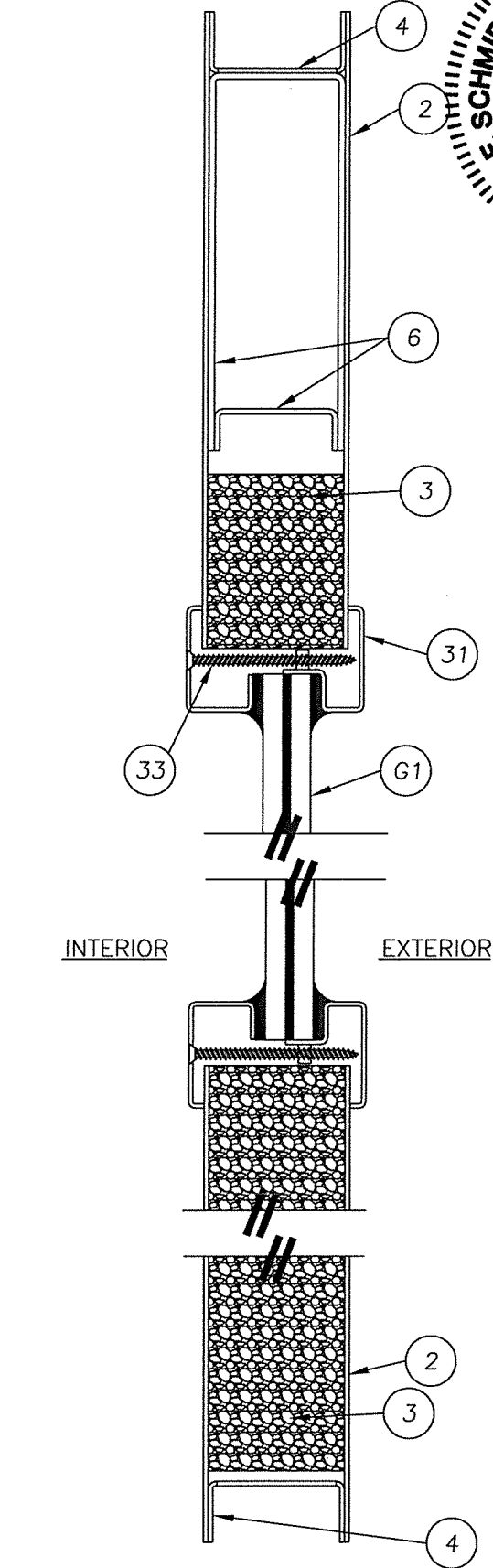
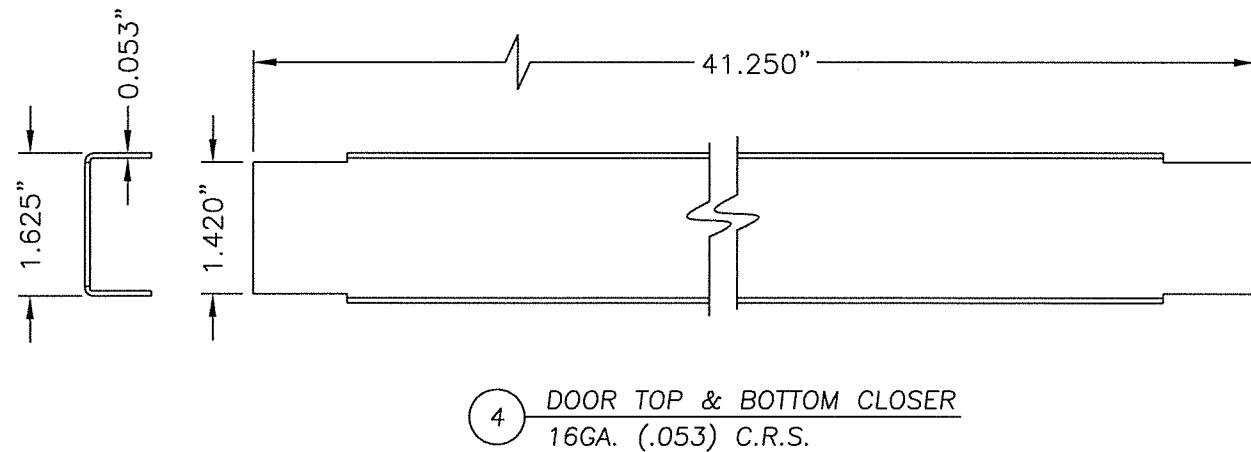
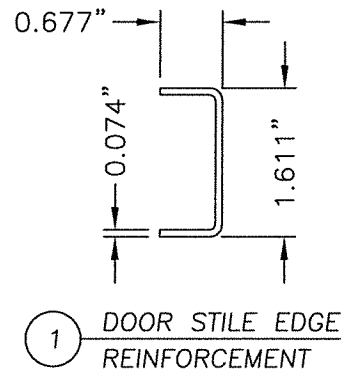


R:\Clients\Megamet PERMANENTVA - Florida Product Approvals\FL-16493\C - Drawings\FL-16493 (2020)\FL-16493.13.15.17.dwg, 5-2



2
2 HORIZONTAL CROSS SECTION

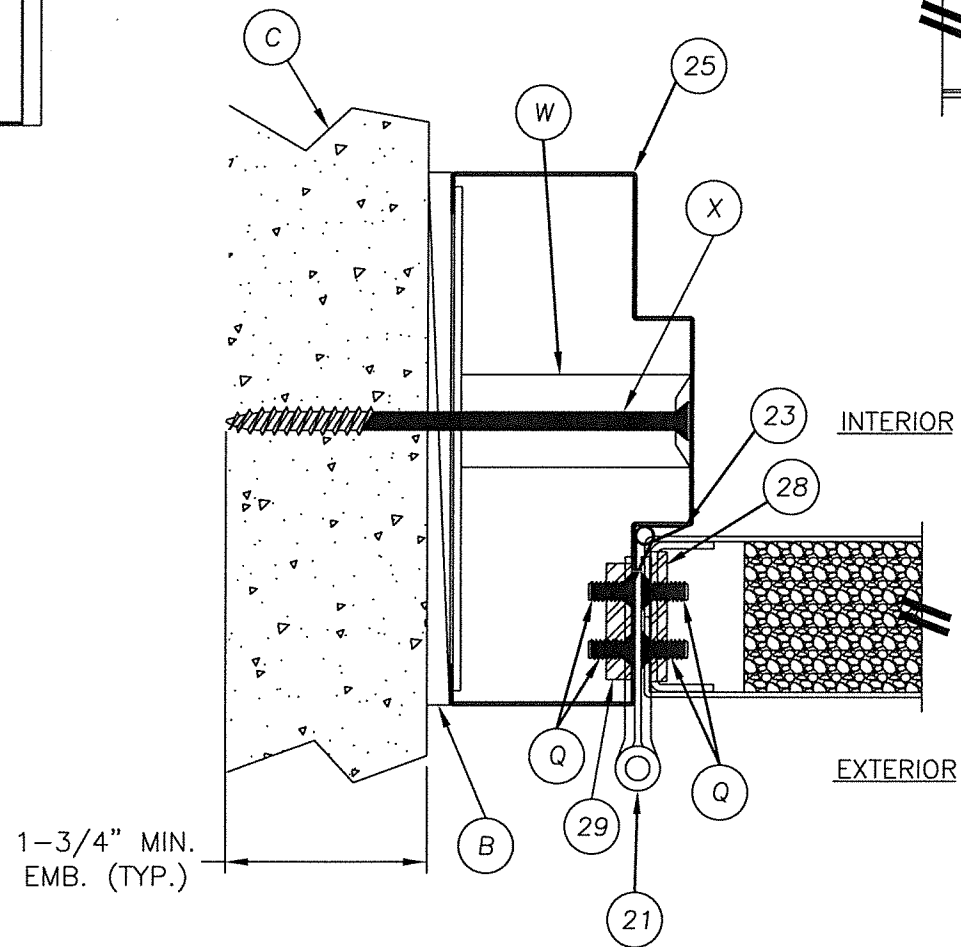
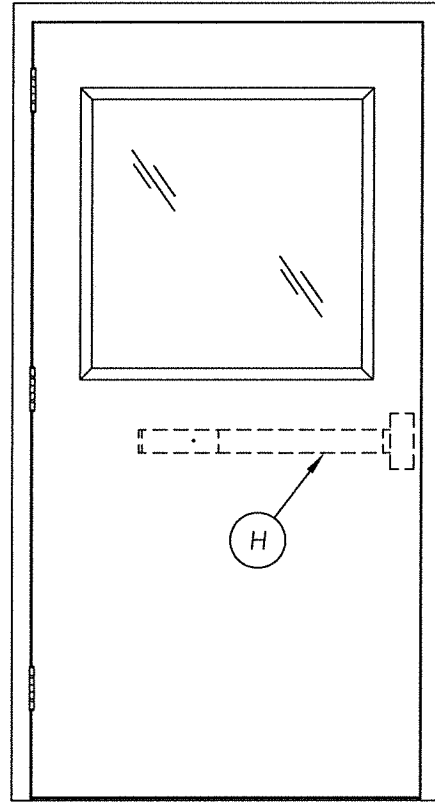


October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

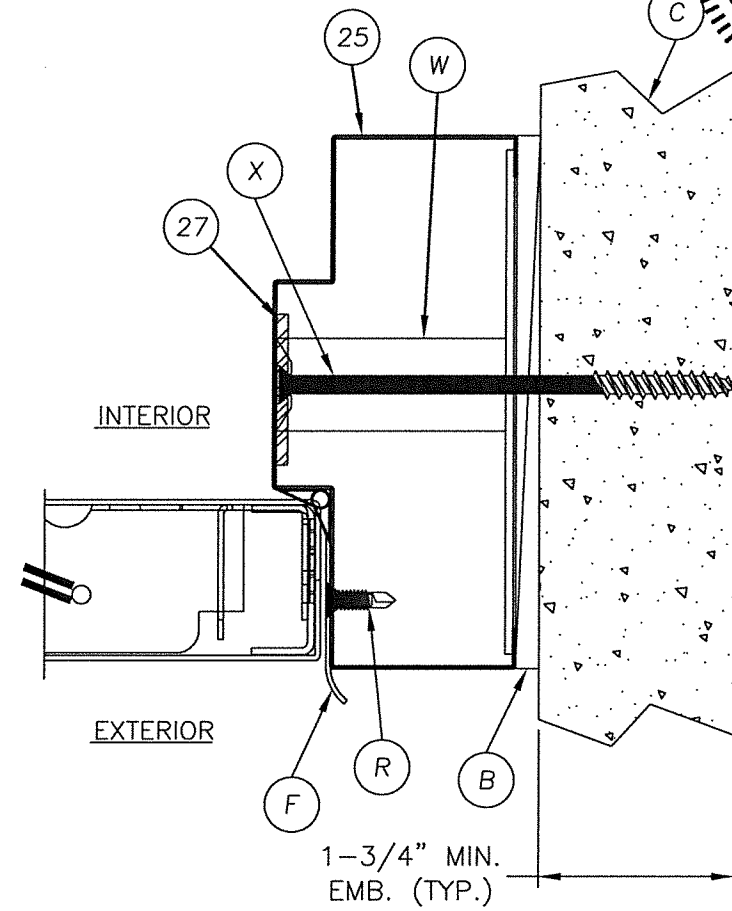
FLORIDA
PROFESSIONAL ENGINEER
F. SCHMIDT
LICENSE
No. 43409

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

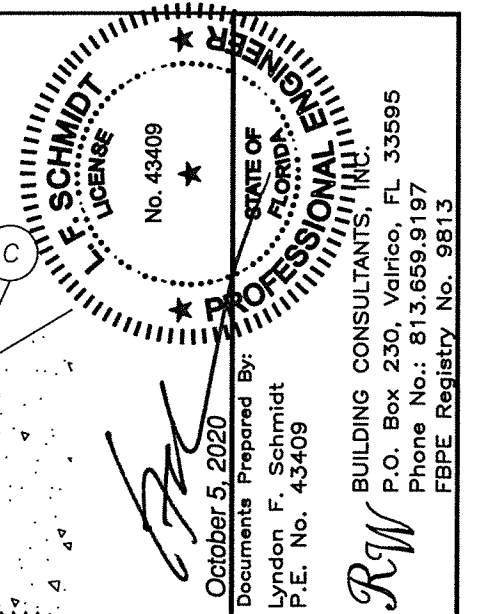
PRODUCT:		MEGAMET INDUSTRIES, INC.	
		"D" PANELS "IMPACT"	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
		REVISIONS	
NO.	DATE	BY	
2	10/05/20	LFS	UPDATE TO 7TH ED. (2020) FBC
1	10/16/17	LFS	UPDATE TO 6TH ED. (2017) FBC
DATE: 1/05/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16493.17			
SHEET 2 OF 10			



1 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR



2 HORIZONTAL CROSS SECTION
3 @ HINGE
SHOWN WITH TUBE ANCHOR



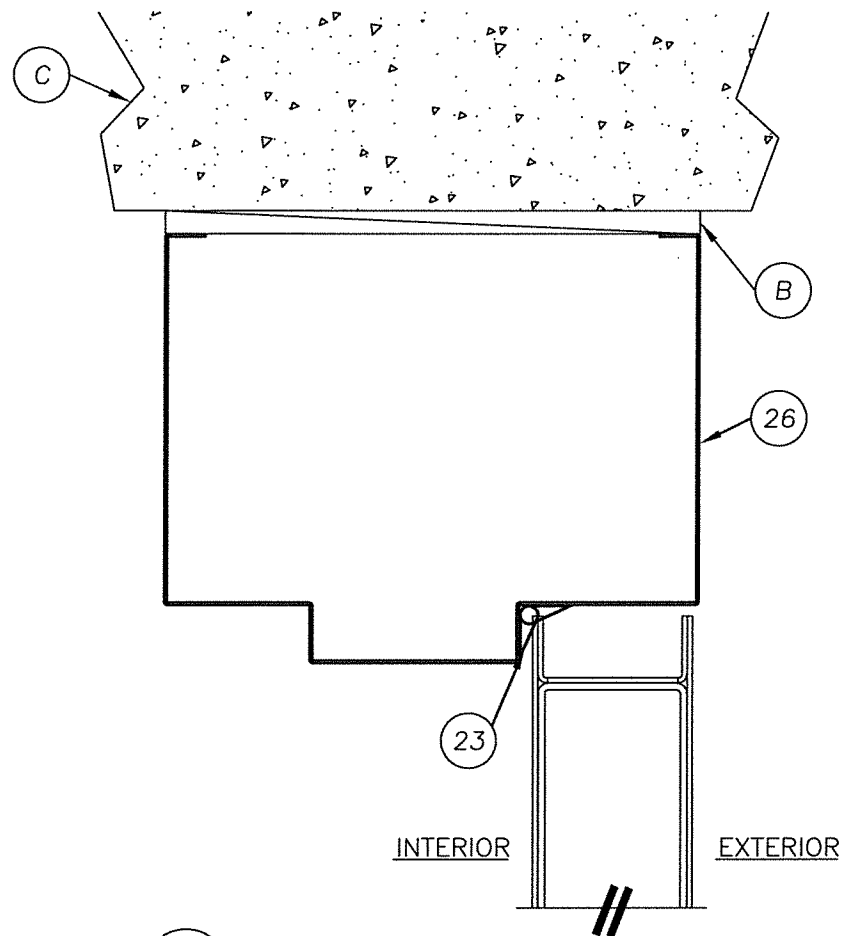
PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" PANELS "IMPACT"

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

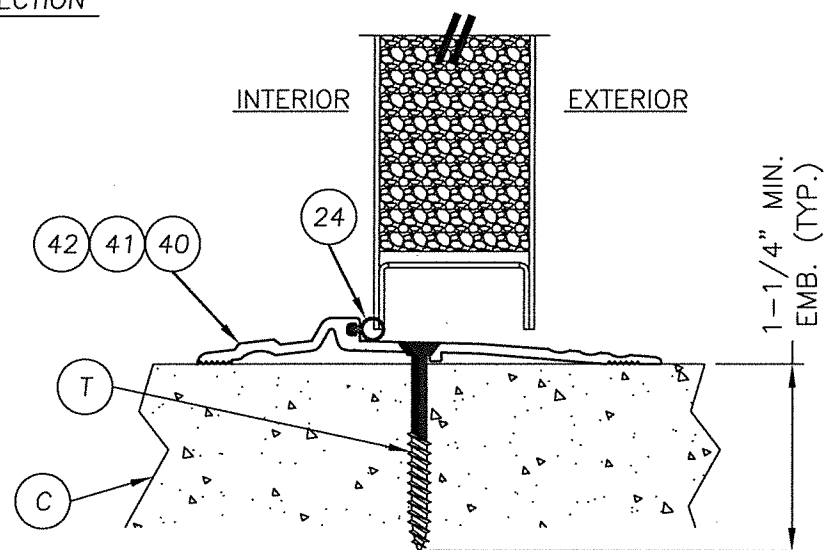
[illegible]

2 HORIZONTAL CROSS SECTION
4 @ LATCH
SHOWN WITH TEE ANCHOR

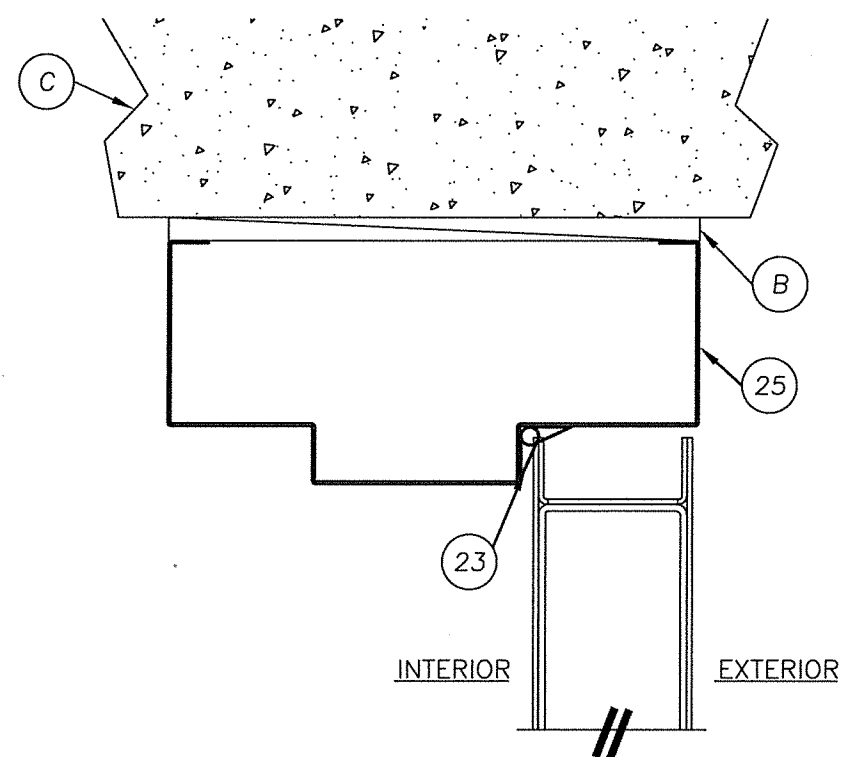
© 2015 R.W. BUILDING CONSULTANTS INC.



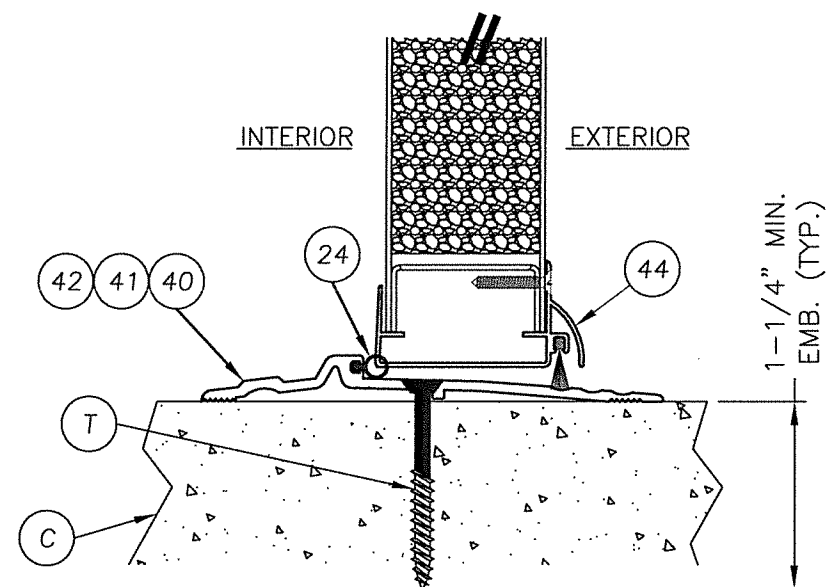
1 VERTICAL CROSS SECTION
6 @ HEAD



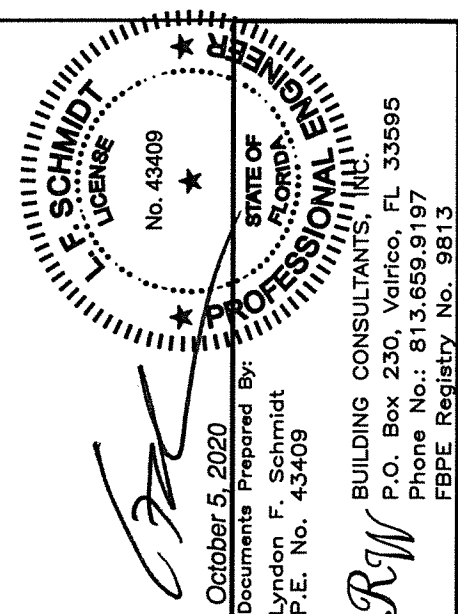
3 VERTICAL CROSS SECTION
6 @ THRESHOLD



2 VERTICAL CROSS SECTION
6 @ HEAD



4 VERTICAL CROSS SECTION
6 @ THRESHOLD

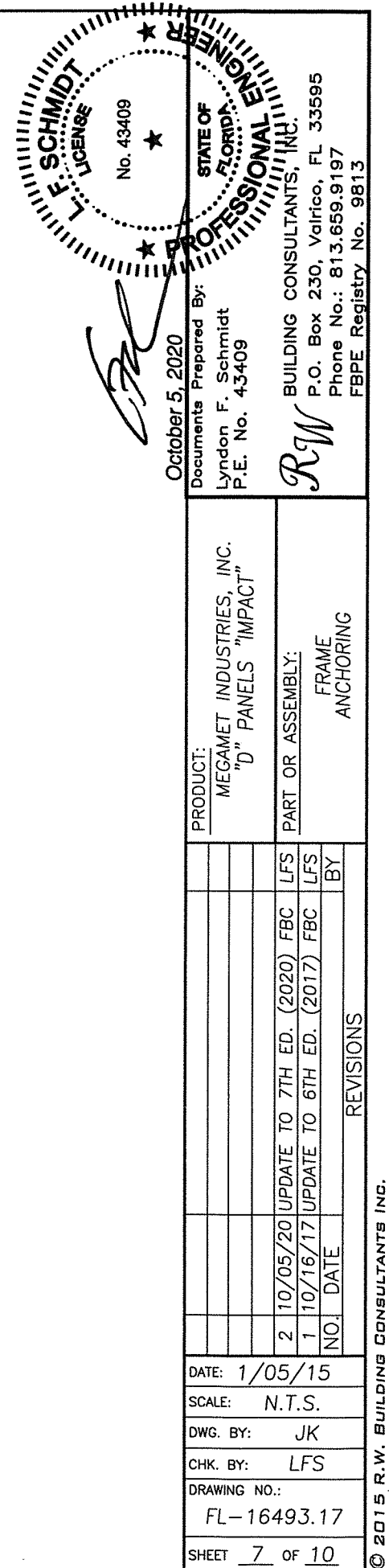


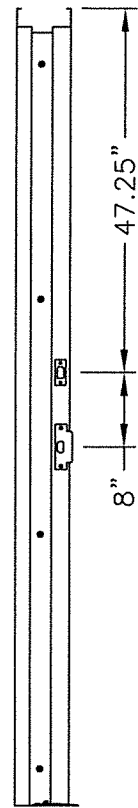
DATE: 1/05/15		PRODUCT: MEGAMET INDUSTRIES, INC. "D" PANELS "IMPACT"	
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16493.17			
SHEET 6 OF 10			
2	10/05/20	UPDATE TO 7TH ED. (2020)	FBC LFS
1	10/16/17	UPDATE TO 6TH ED. (2017)	FBC LFS
NO.	DATE		BY
			REVISIONS

1. 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:

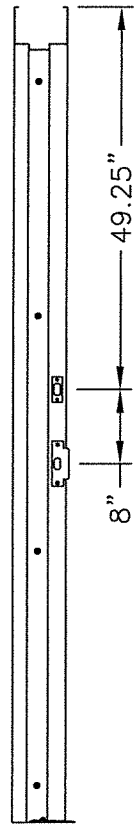
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"
ITW TAPCON® XL	5/16"	1-3/4"	2-1/2"	5"
DeWALT ULTRACON®	5/16"	1-3/4"	3-1/8"	5"

-
- Diagram illustrating the cross-section of a window jamb assembly, showing dimensions and components:
- Dimensions:**
 - Top vertical dimension: 6"
 - Right vertical dimension: 25.33" MAX. ON CENTER
 - Bottom horizontal dimension: 8" (left), 12" (middle), 12" (right)
 - Components and Labels:**
 - U** W/UNIVERSAL ANCHOR
 - X** W/TUBE ANCHOR
 - TYP. JAMBS**
 - T** TYP. SILL
 - MASONRY OPENING**

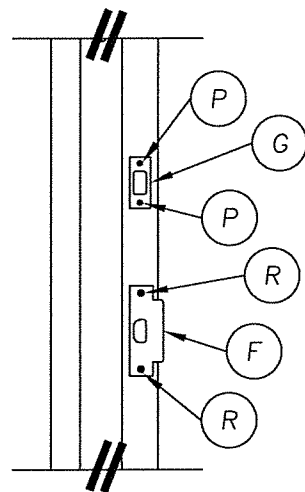




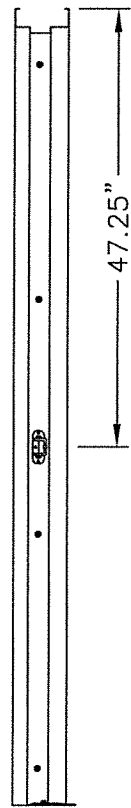
STRIKE PLATE
LOCATIONS 2" HEAD



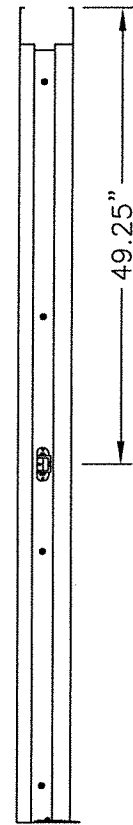
STRIKE PLATE
LOCATIONS 4" HEAD



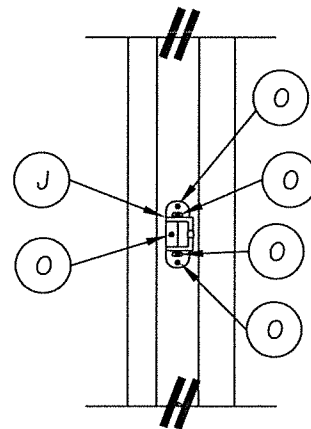
STRIKE PLATE DETAIL
ANSI STRIKE & DEADBOLT



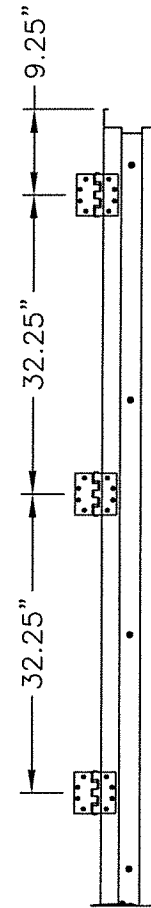
STRIKE PLATE
LOCATION 2" HEAD



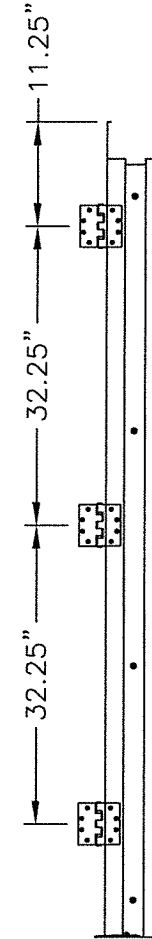
STRIKE PLATE
LOCATION 4" HEAD



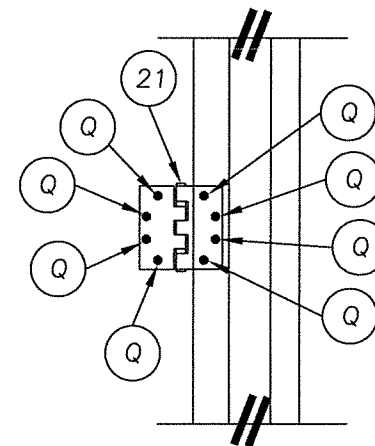
RIM STRIKE DETAIL



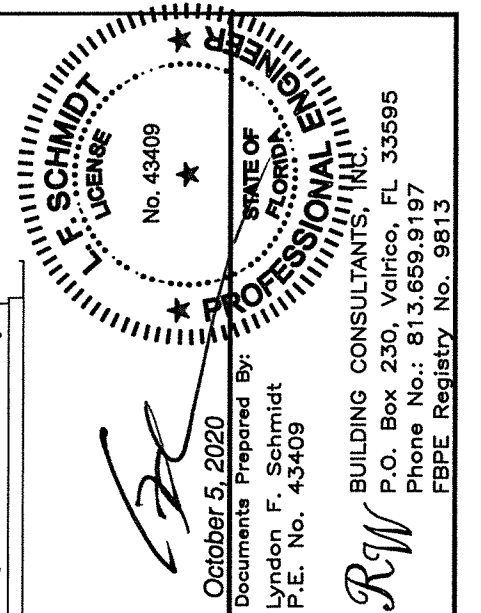
HINGE LOCATIONS
2" HEAD



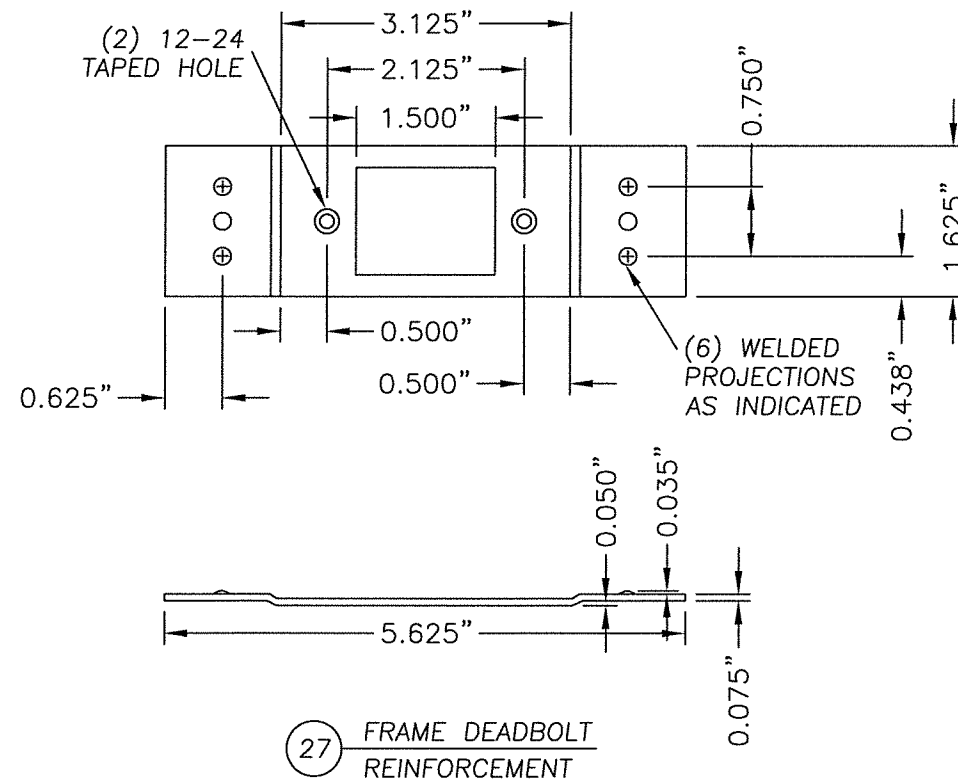
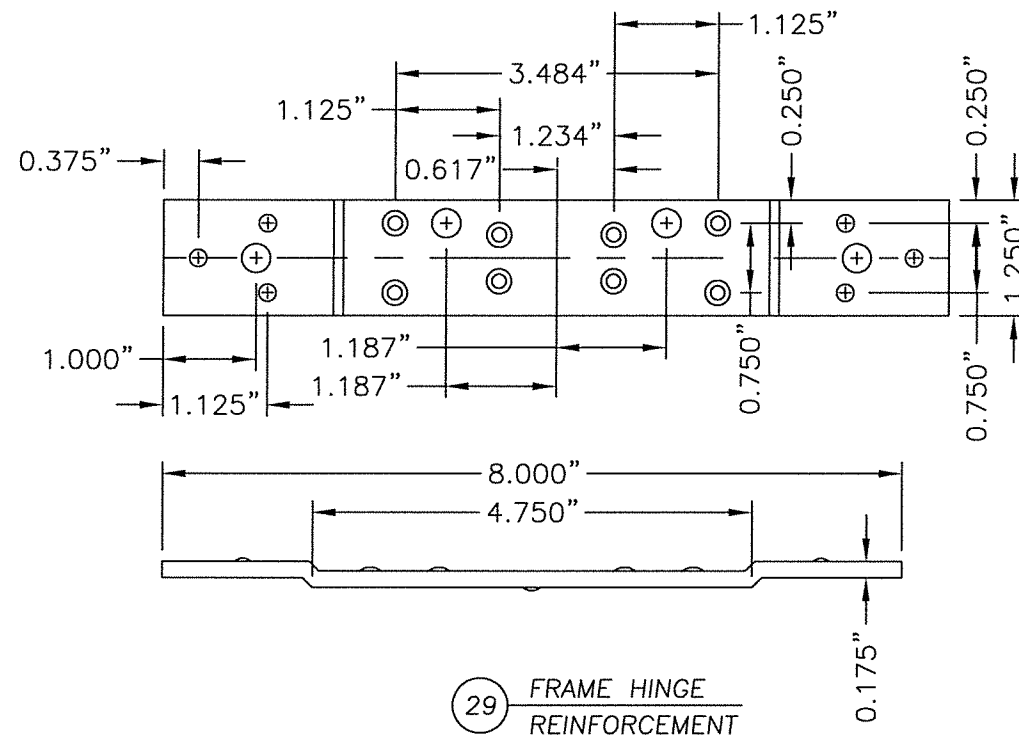
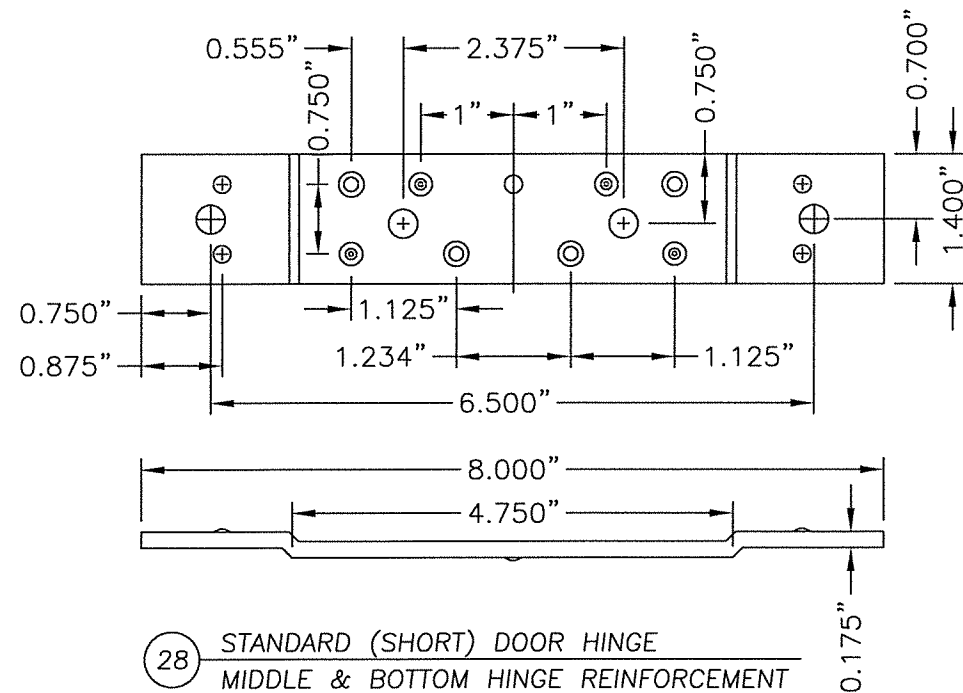
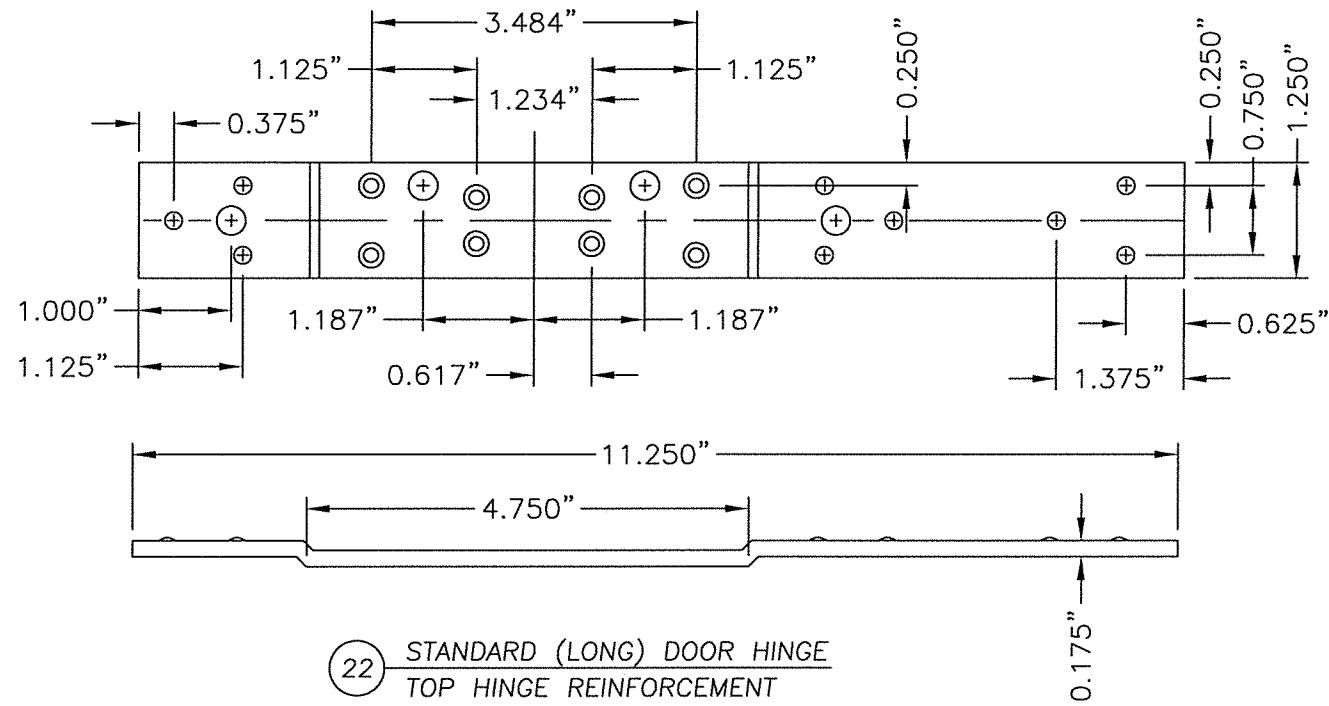
HINGE LOCATIONS
4" HEAD



HINGE DETAIL



DATE:	1/05/15	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-16493.17	
SHEET	8	OF 10



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

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

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

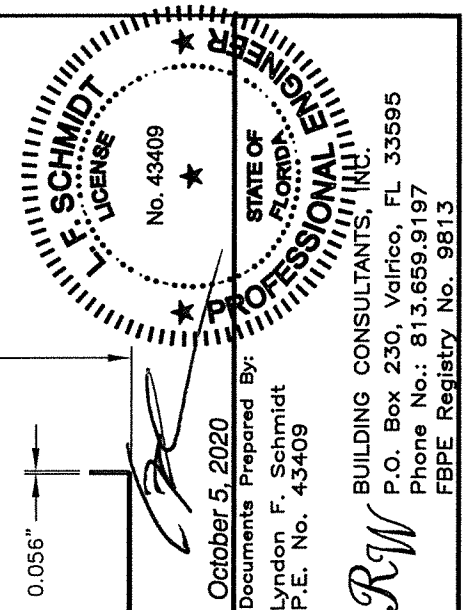
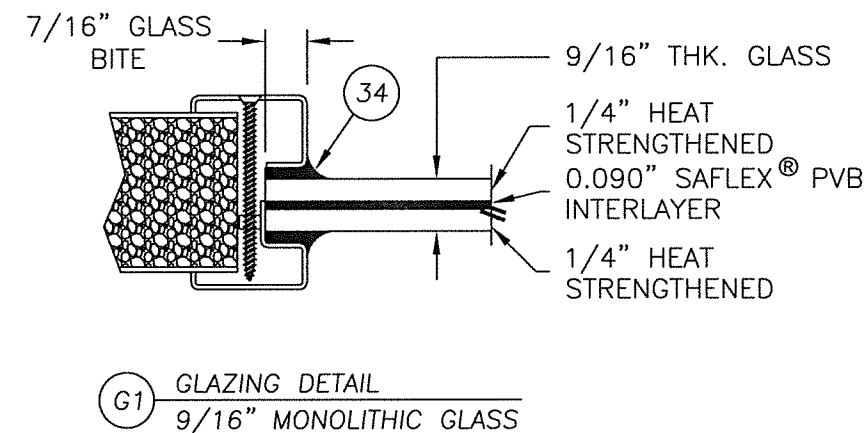
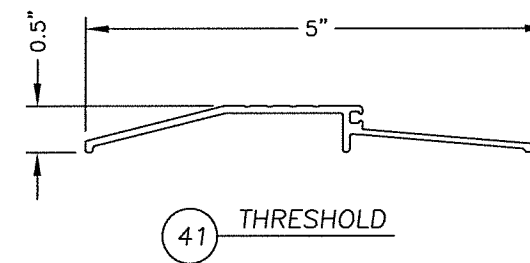
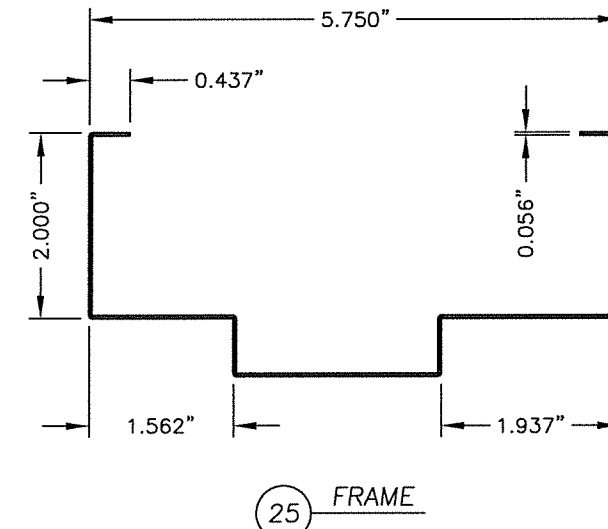
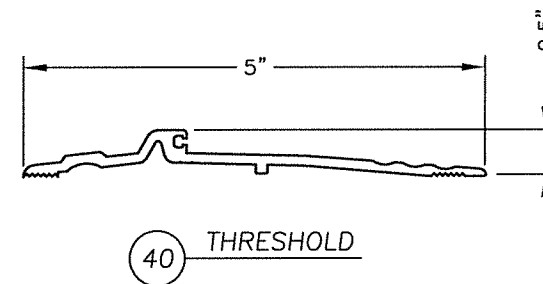
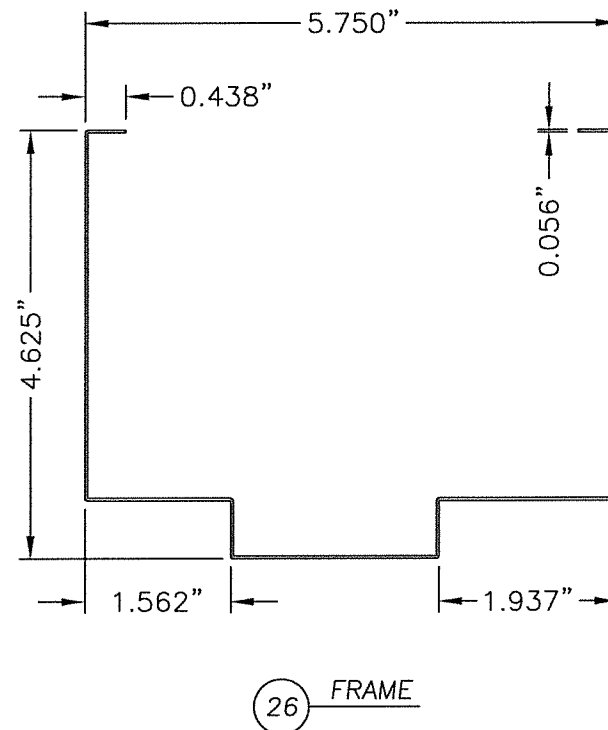
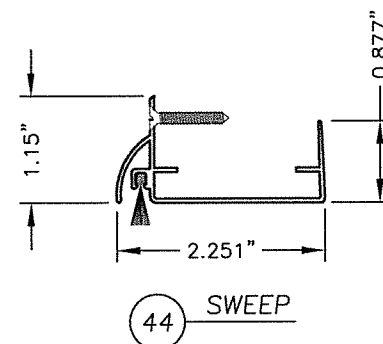
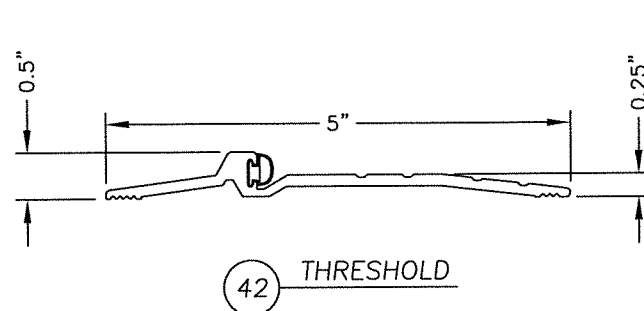
PART OR ASSEMBLY:
COMPONENTS

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-16493.17
SHEET 9 OF 10

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
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 D2-SERIES DEADBOLT	STEEL
E	DESIGN HARDWARE X-SERIES LATCH (161 PREP)	STEEL
F	LATCH STRIKE PLATE	BRASS
G	DEADBOLT STRIKE PLATE	STEEL
H	VON DUPRIN 99 SERIES RIM PANIC HARDWARE	STEEL
J	RIM PANIC STRIKE PLATE	STEEL
O	#12 X 1" H.H. SELF TAPPING SCREW	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
26	FRAME 5-3/4" MIN. WITH 4" 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
31	LITE FRAME	STEEL
33	#6 X 2" PFH SCREW	STEEL
34	TREMCO SPECTREM II GLAZING COMPOUND	SILICONE
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 "IMPACT"	
SCALE: N.T.S.		PART OR ASSEMBLY: BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16493.17			
SHEET 10 OF 10			