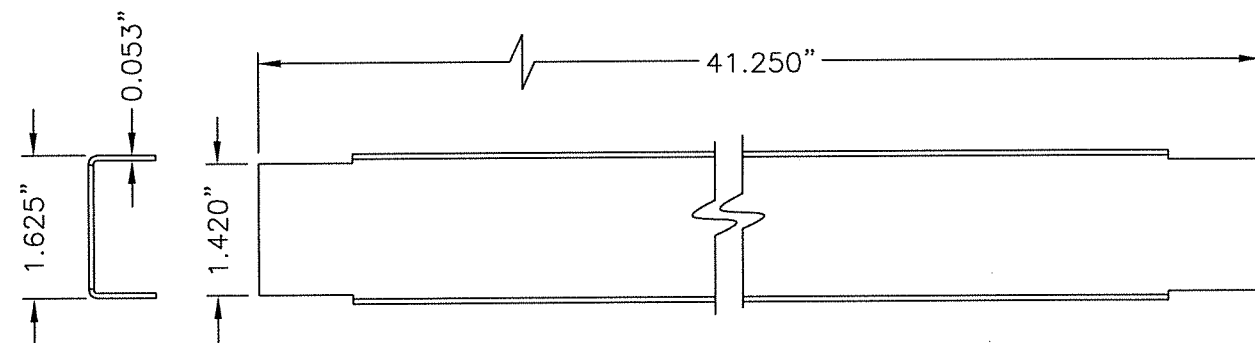
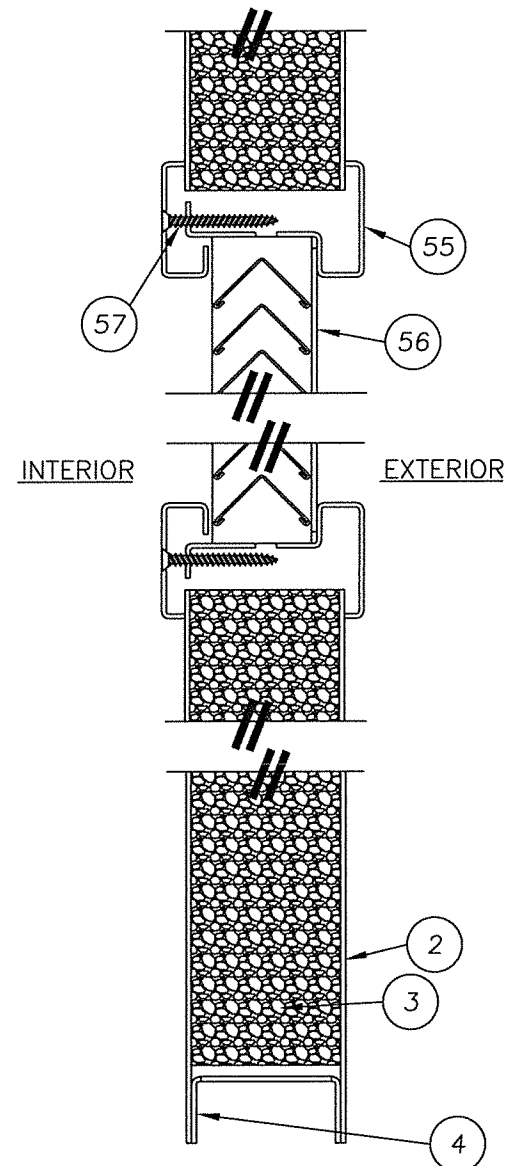
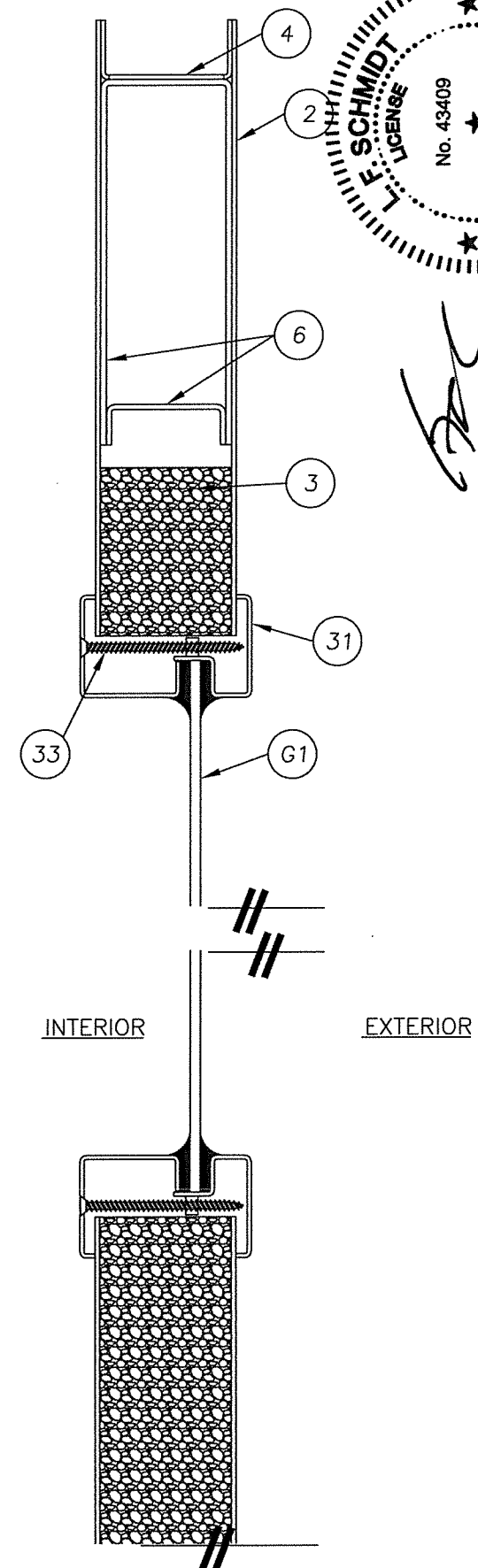




3 HORIZONTAL CROSS SECTION
2



1 VERTICAL CROSS SECTION
2



2 VERTICAL CROSS SECTION
2



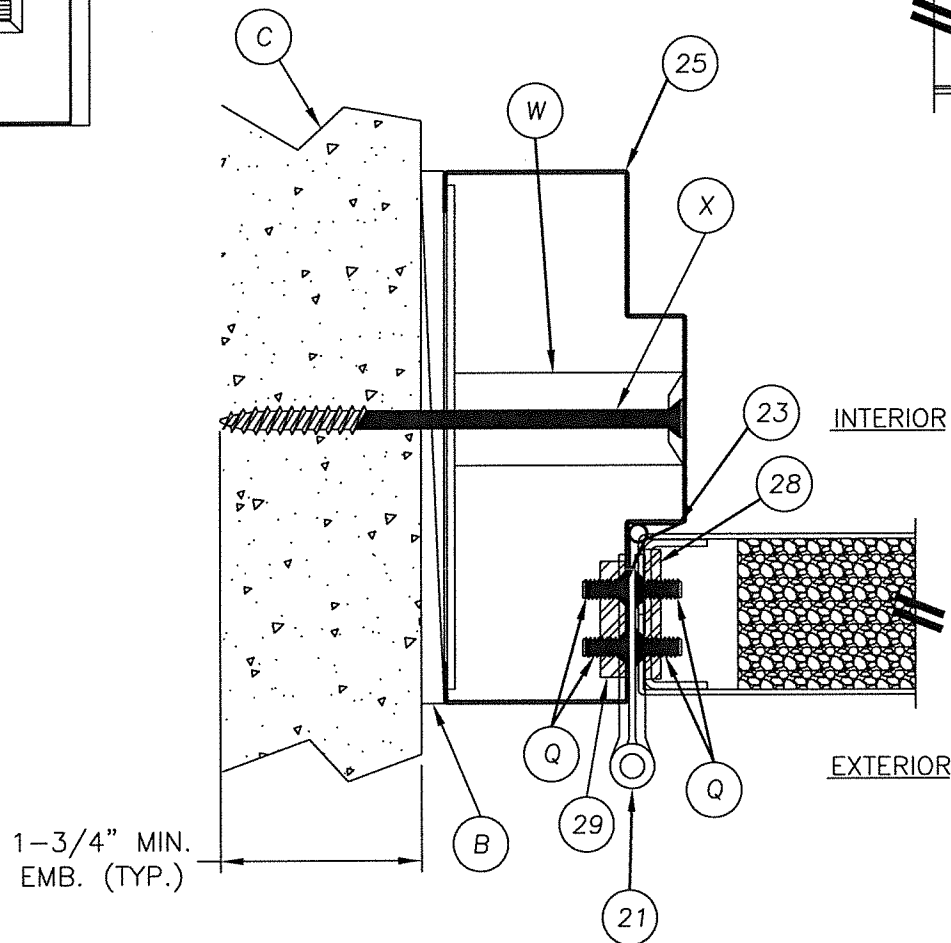
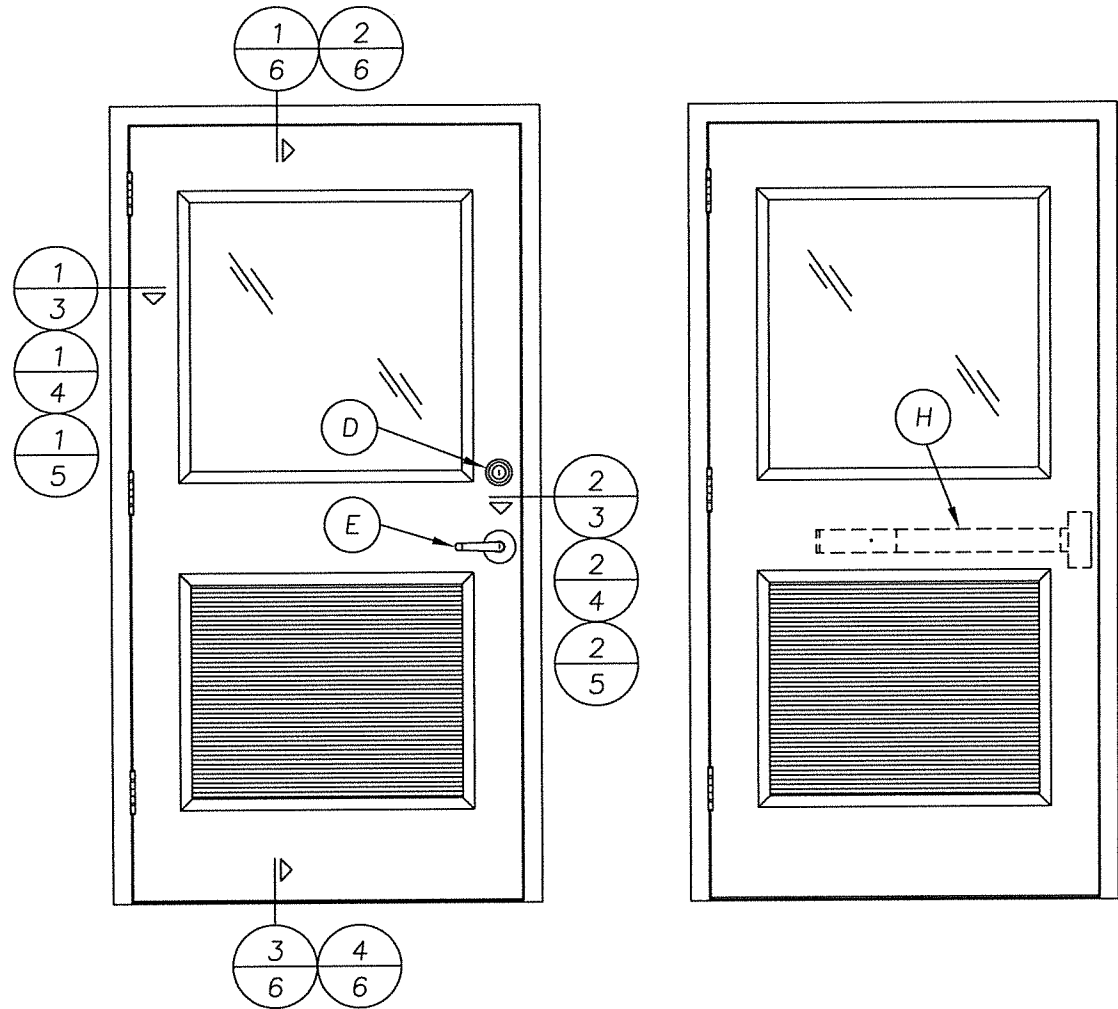
October 5, 2020
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

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

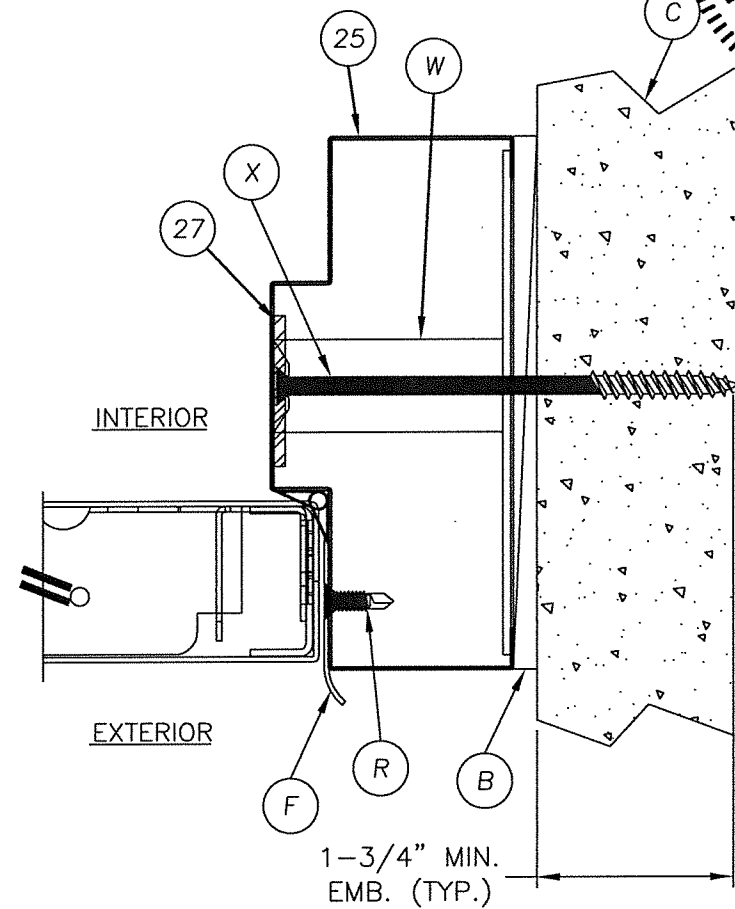
PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" PANELS "NON-IMPACT"

PART OR ASSEMBLY:
DOOR PANEL DETAILS

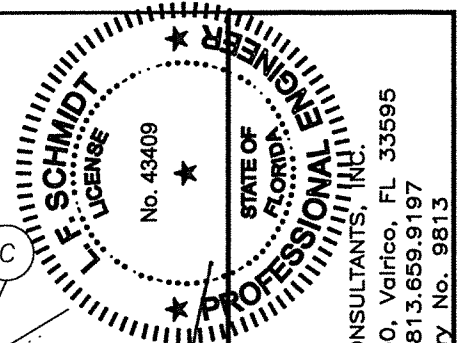
[illegible]



1
3
HORIZONTAL CROSS SECTION
@ HINGE
SHOWN WITH TUBE ANCHOR



2
3
HORIZONTAL CROSS SECTION
@ HINGE
SHOWN WITH TUBE ANCHOR



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Documents Prepared By:
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R.W. BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

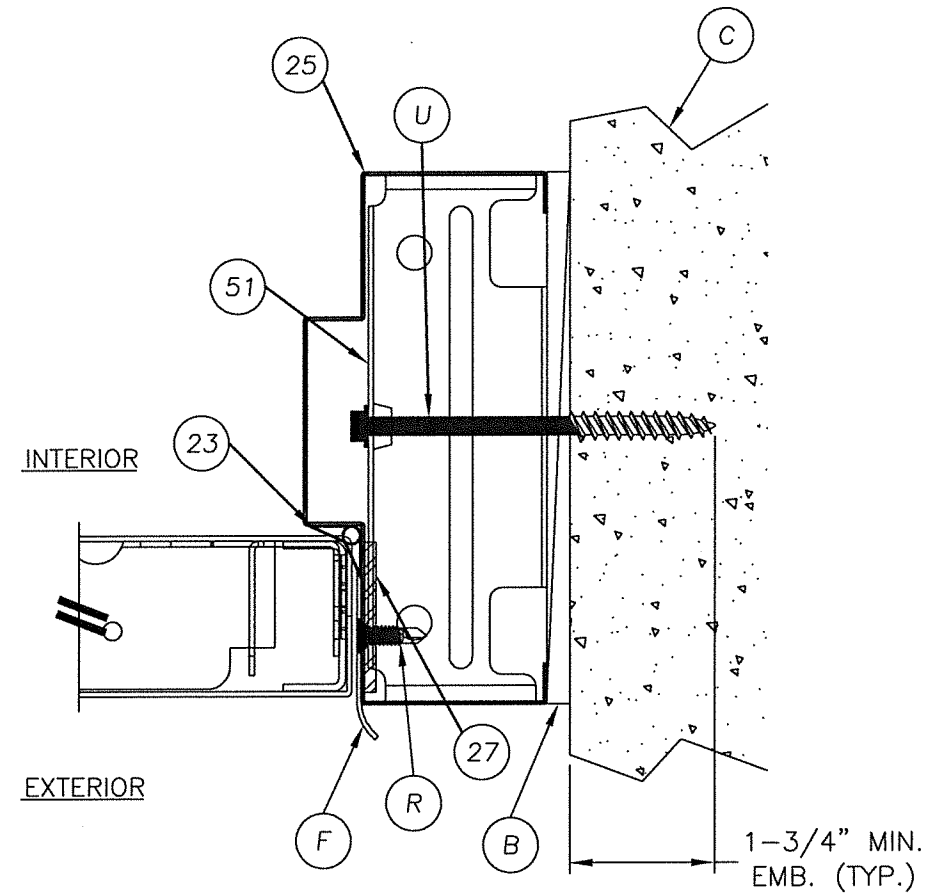
PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" PANELS "NON-IMPACT"

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

DATE: 1/05/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16493.16
SHEET 3 OF 10

1 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR



2 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR

RFW

October 5, 2020

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

No. 43409

STATE OF
FLORIDA

PROFESSIONAL ENGINEER

L. F. SCHMIDT
LICENSE

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-16493.16		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS
SHEET 5 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

A cross-sectional view of a window assembly. A concrete slab (C) is shown above the window frame (B). The window frame (B) has a seal (25) and a hinge (23). The interior is on the left and exterior on the right.

Diagram illustrating a cross-section of a window assembly, showing the interior and exterior views. The assembly is embedded into a substrate (concrete or masonry).

Labels and components:

- INTERIOR**: The left side of the diagram.
- EXTERIOR**: The right side of the diagram.
- 42, 41, 40**: Callouts pointing to the interior side of the window frame assembly.
- 24**: Callout pointing to the exterior side of the window frame assembly.
- 44**: Callout pointing to the exterior side of the window frame assembly, likely indicating a weatherstripping or seal.
- T**: Callout pointing to the top edge of the substrate.
- C**: Callout pointing to the bottom edge of the substrate.
- 1-1/4" MIN. EMB. (TYP.)**: Dimension indicating the minimum embedding depth of the assembly into the substrate.

						L.F. SCHMIDT ENGINEER No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER							
<i>[Signature]</i>						October 5, 2020							
Documents Prepared By:						Lyndon F. Schmidt P.E. No. 43409							
PRODUCT:						MEGAMET INDUSTRIES, INC. "D" PANELS "NON-IMPACT"							
PART OR ASSEMBLY:						VERTICAL CROSS SECTIONS							
				LFS		UPDATE TO 7TH ED. (2020)		FBC		LFS		REVISIONS	
				LFS		UPDATE TO 6TH ED. (2017)		FBC		BY			
				NO.		DATE							
DATE: 1/05/15													
SCALE: N.T.S.													
DWG. BY: JK													
CHK. BY: LFS													
DRAWING NO.: FL-16493.16													
SHEET 6 OF 10													

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"

MASONRY OPENING

8" 12" 12"

6"

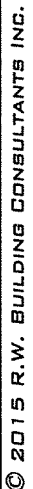
25.33" MAX. ON CENTER

U W/UNIVERSAL ANCHOR

X W/TUBE ANCHOR

TYP. JAMBS

T TYP. SILL



Side elevation showing a long, low profile with a flat roof. The total length is 49'25" and the height is 8'0". The elevation shows a series of vertical lines representing windows or doors, with a small section labeled "DOOR".

47.25"

A schematic diagram of a double door assembly. The diagram shows two vertical door panels. The left panel has a handle labeled 'P' and a lock mechanism labeled 'G'. The right panel has a handle labeled 'R' and a lock mechanism labeled 'F'. The panels are shown in a closed position, with the handles and locks aligned horizontally. The diagram is labeled with 'P', 'G', 'R', and 'F' in circles, with lines pointing to the corresponding components.

✓

October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
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RW
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-16493.16		PART OR ASSEMBLY:	
SHEET 8 OF 10		ANCHORING DETAILS	

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
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
55	LOUVER FRAME	STEEL
56	LOUVER PANEL	STEEL
57	#6 X 1-1/4" PFH SCREW	STEEL

