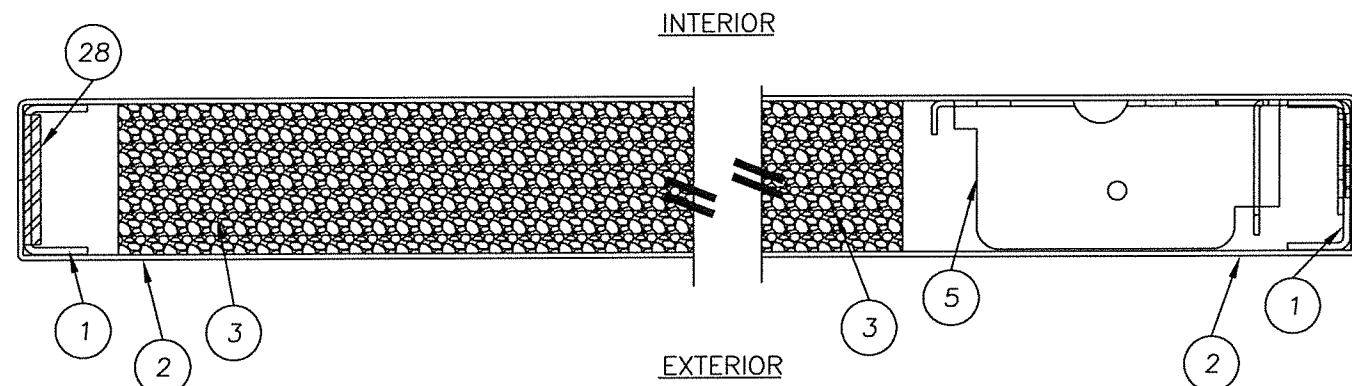
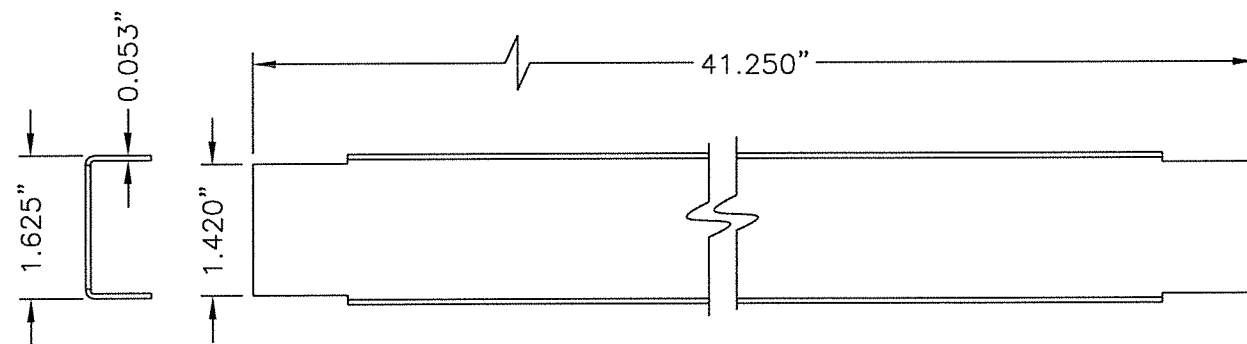
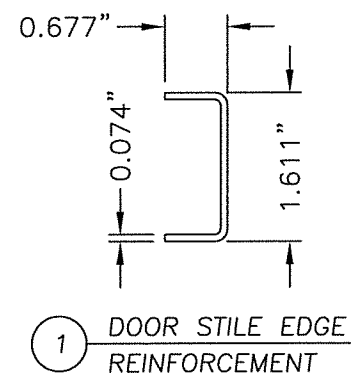
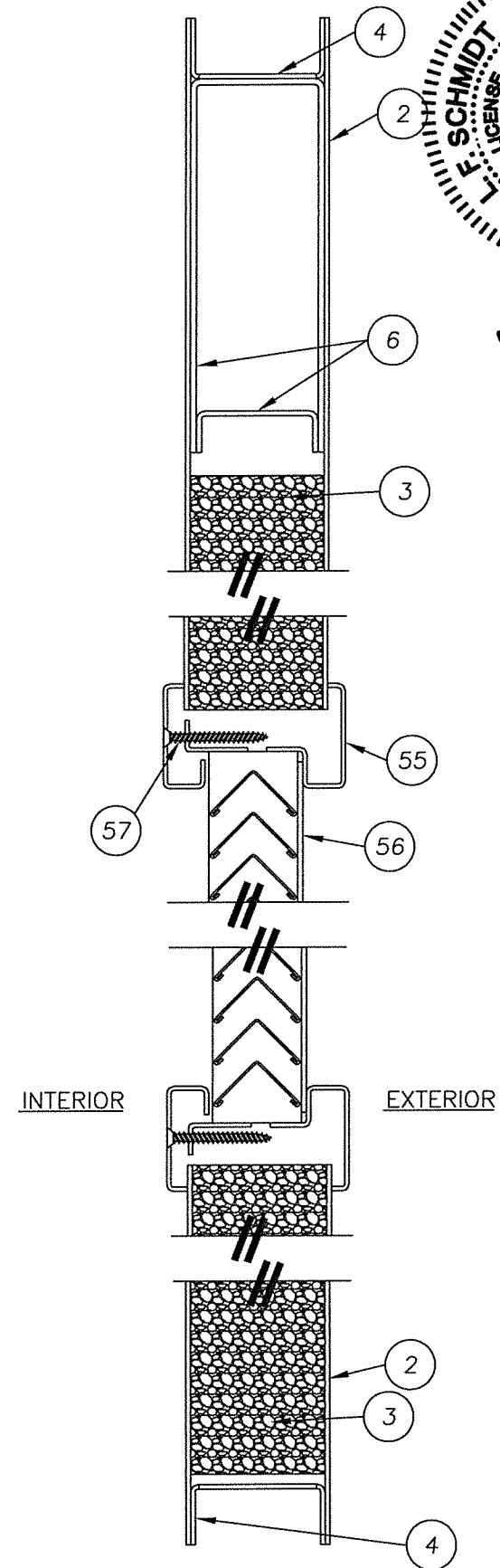




2 HORIZONTAL CROSS SECTION
2



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



1 VERTICAL CROSS SECTION
2

RW

October 5, 2020

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

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

L. F. SCHMIDT
LICENSE

No. 43409

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

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.

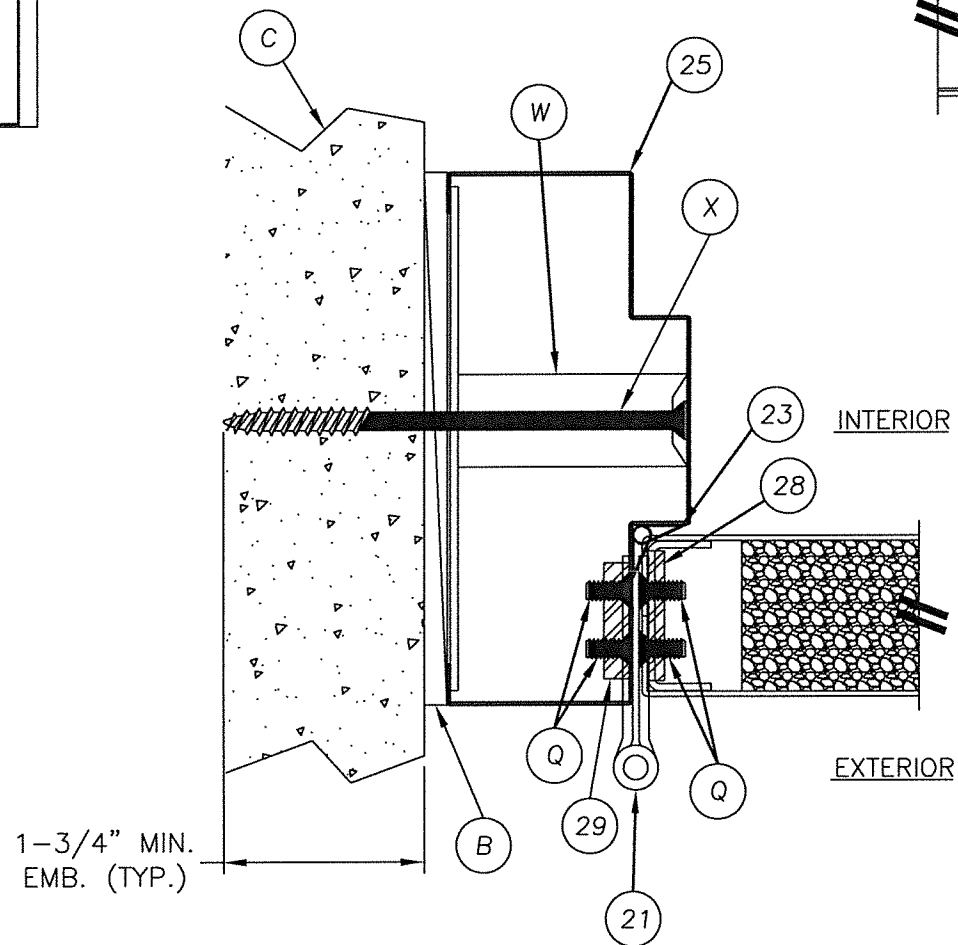
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CHK. BY: LFS

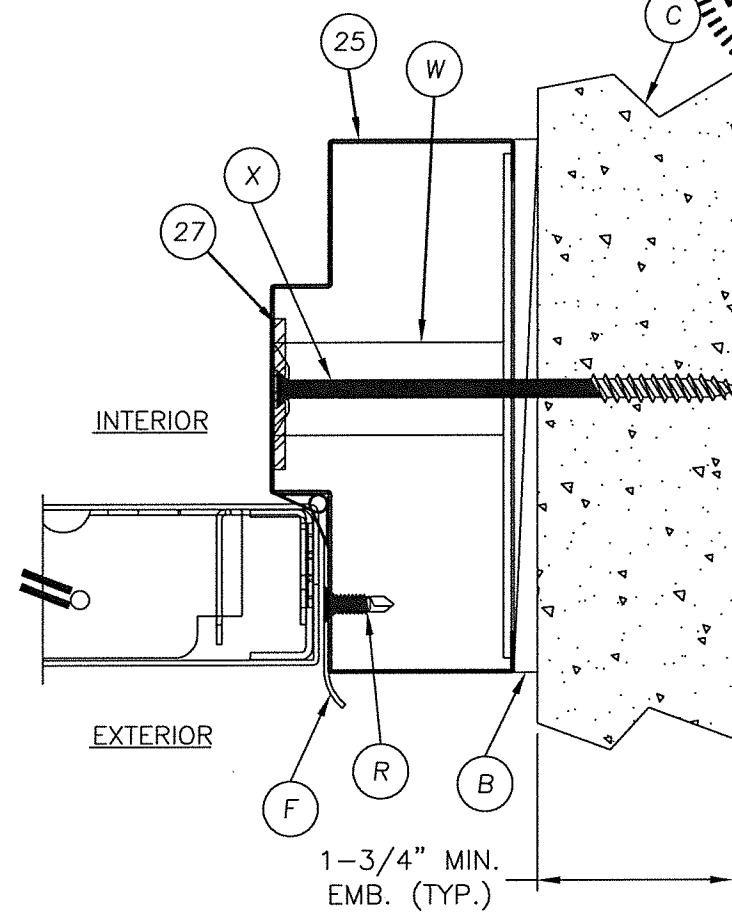
DRAWING NO.:

FL-16493.1

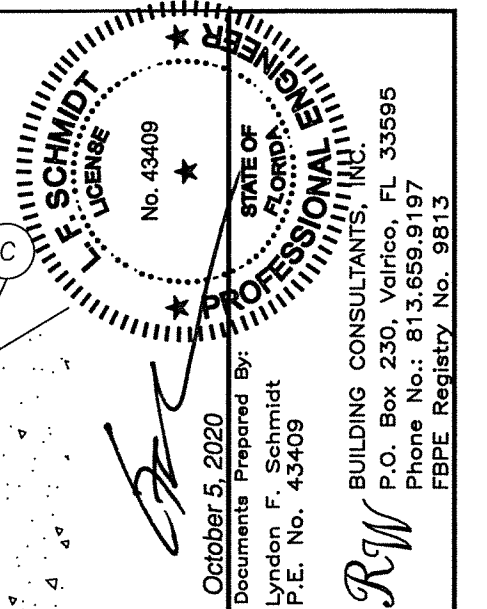
SHEET 2 OF 10



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 "NON-IMPACT"

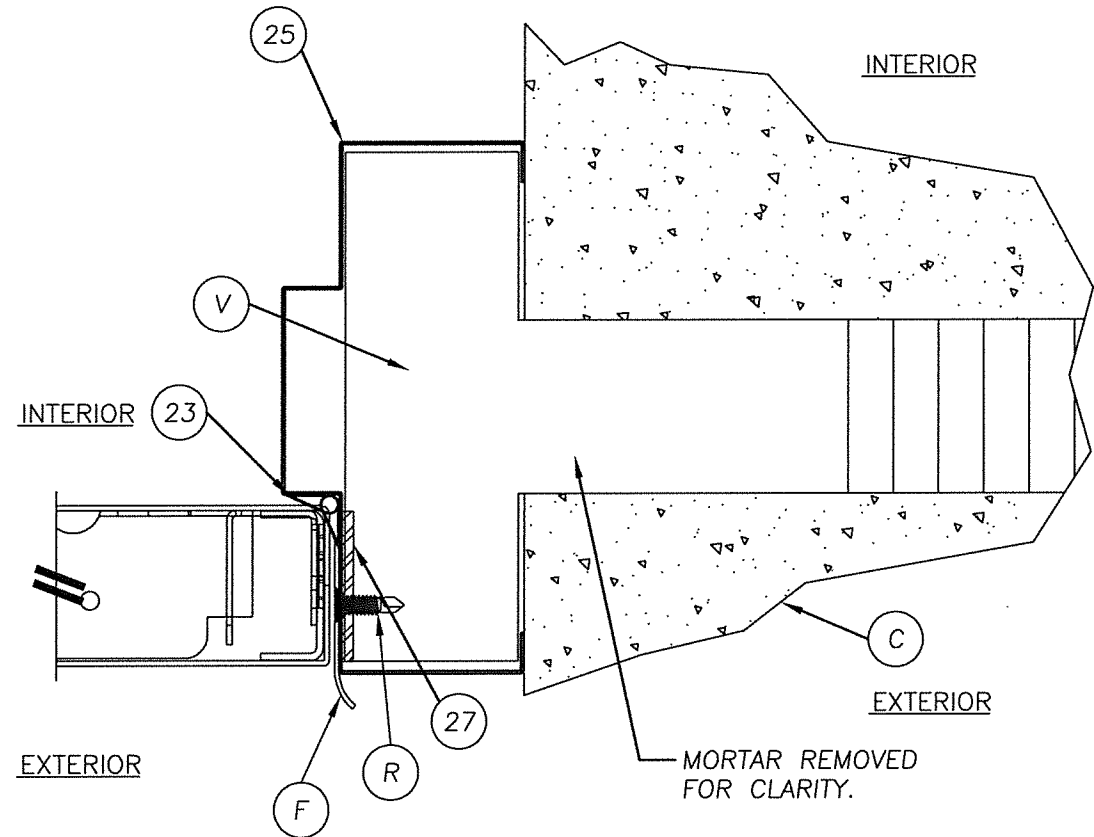
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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				

[illegible]

DATE:	1/05/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16493.18
SHEET	<u>3</u> OF <u>10</u>

1 HORIZONTAL CROSS SECTION
4 @ LATCH
SHOWN WITH TEE ANCHOR



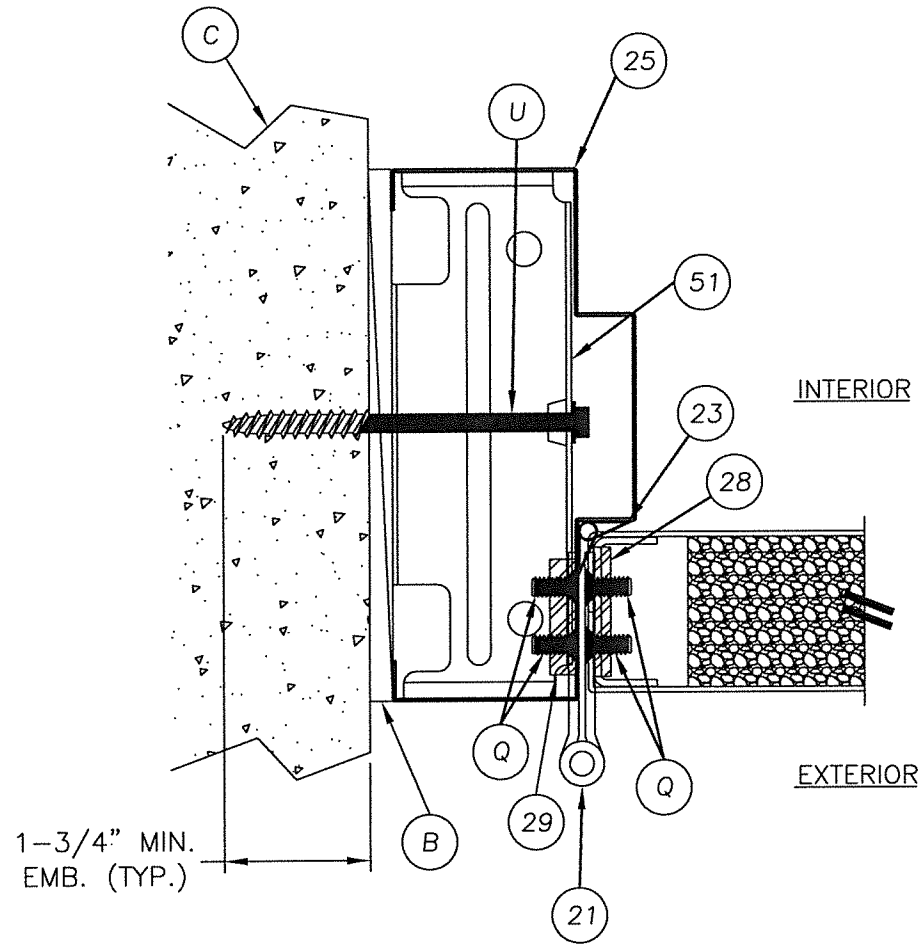
2 HORIZONTAL CROSS SECTION
4 @ LATCH
SHOWN WITH TEE ANCHOR

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

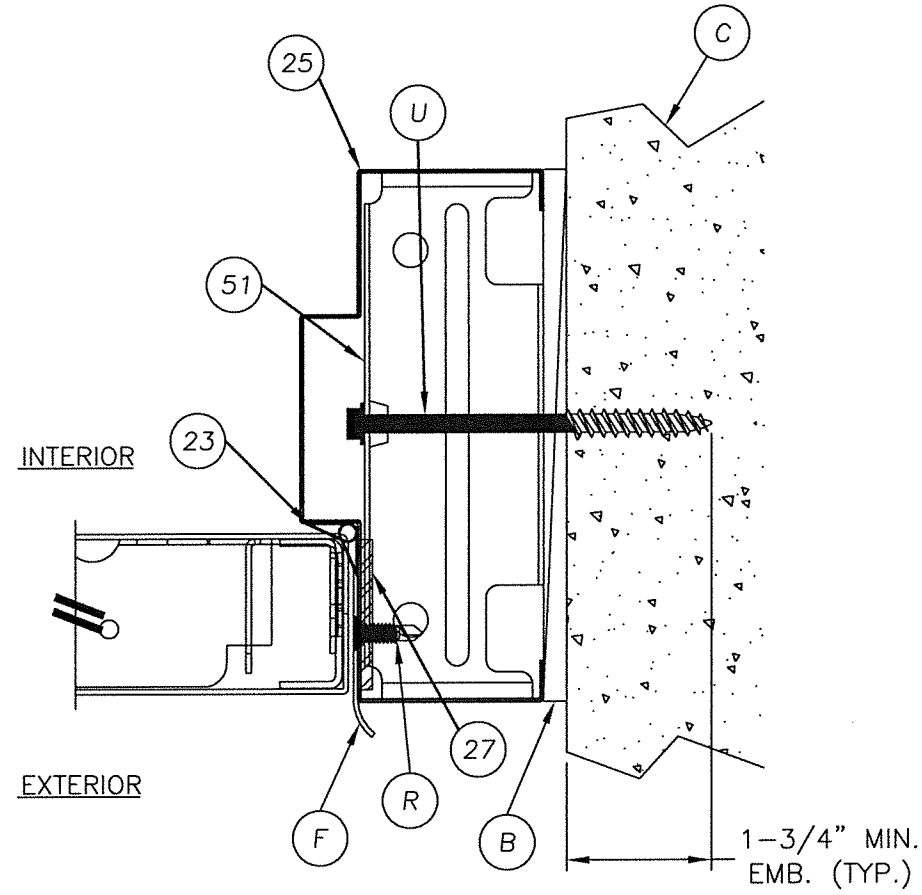
FLORIDA PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 43409
L. F. SCHMIDT
LICENSE

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-16493.18			
SHEET 4 OF 10	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS		



1 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR



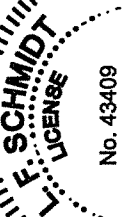
2 HORIZONTAL CROSS SECTION
5 @ LATCH
SHOWN WITH UNIVERSAL ANCHOR

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

FL SCHMIDT
LICENSE
No. 43409
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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:		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
			BY
DATE: 1/05/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16493.18			
SHEET 5 OF 10			



 B

 25

 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

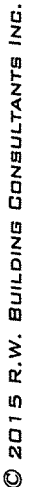
 FBPE Registry No. 9813

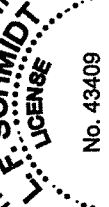
© 2015 R.W. BUILDING CONSULTANTS INC.

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"

Technical drawing of a window jamb cross-section. The drawing shows a vertical section of a window frame with various components and dimensions.

- Dimensions:**
 - Overall height: 25.33" MAX. ON CENTER
 - Top section height: 6"
 - Bottom section height: 8"
 - Bottom section width: 12" (split into two 12" segments)
- Components and Labels:**
 - U** W/UNIVERSAL ANCHOR
 - X** W/TUBE ANCHOR
 - TYP. JAMBS**
 - T** TYP. SILL
 - MASONRY OPENING** (indicated by an arrow pointing to the left side of the frame)



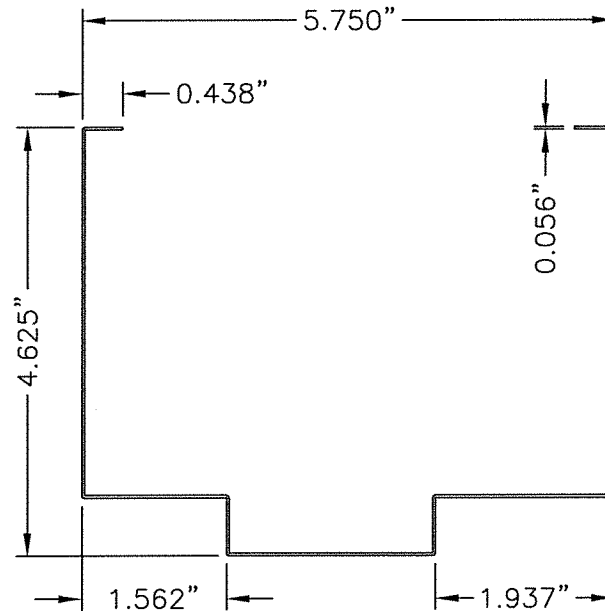

October 5, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

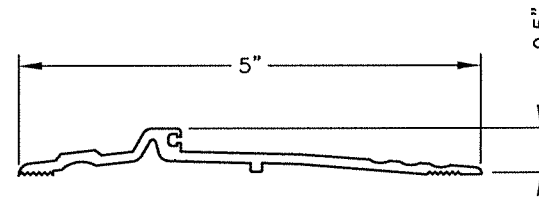
PART OR ASSEMBLY:
ANCHORING DETAILS

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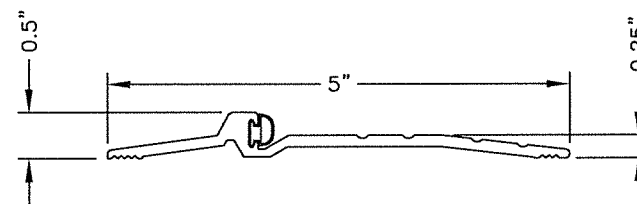
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	1/4" MAX. SHIM SPACE	WOOD
C	3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
D	DESIGN HARDWARE D-2 SERIES DEADBOLT	STEEL
E	DESIGN HARDWARE X-SERIES LATCH (161 PREP)	STEEL
F	LATCH STRIKE PLATE	BRASS
G	DEADBOLT STRIKE PLATE	STEEL
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
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



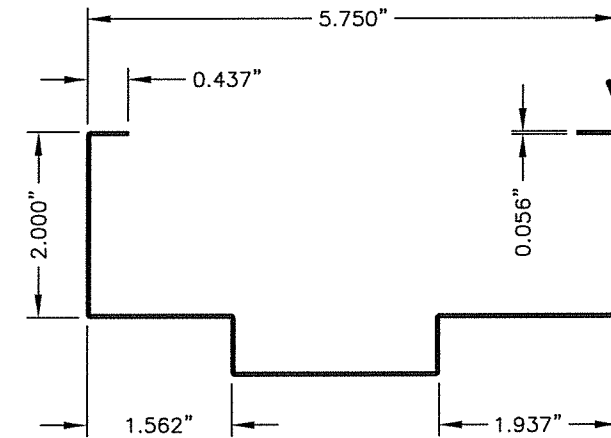
26 FRAME



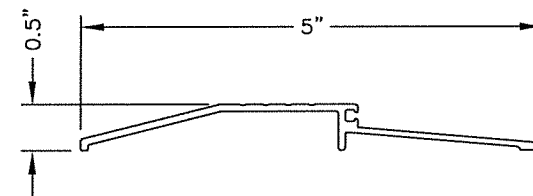
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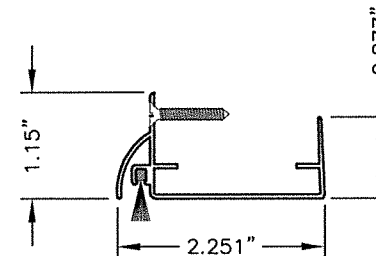
42 THRESHOLD



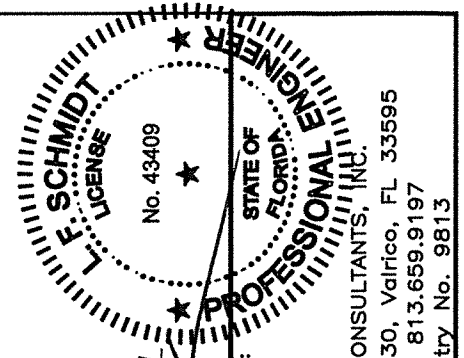
25 FRAME



41 THRESHOLD



44 SWEEP



October 5, 2020

Lyndon F. Schmidt
P.E. No. 43409

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

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

PART OR ASSEMBLY:

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.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16493.18

SHEET 10 OF 10