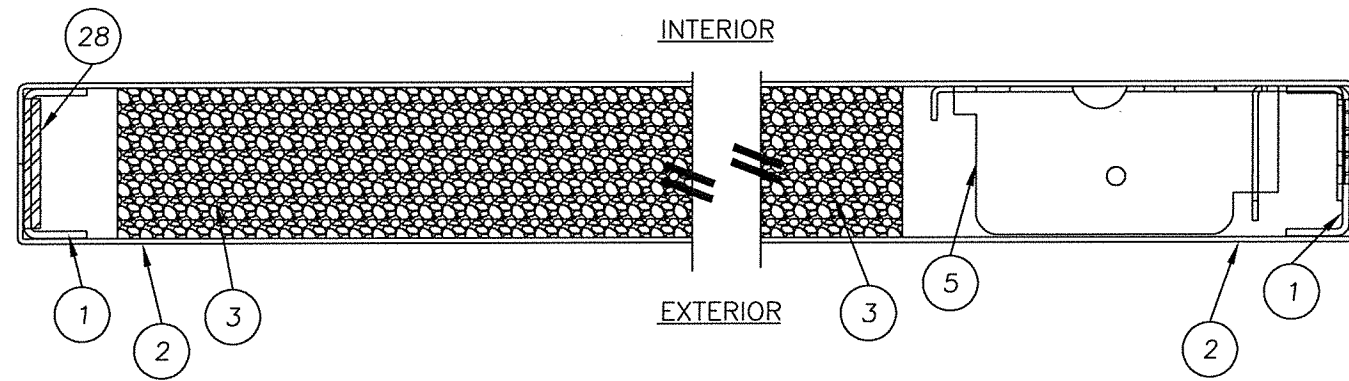
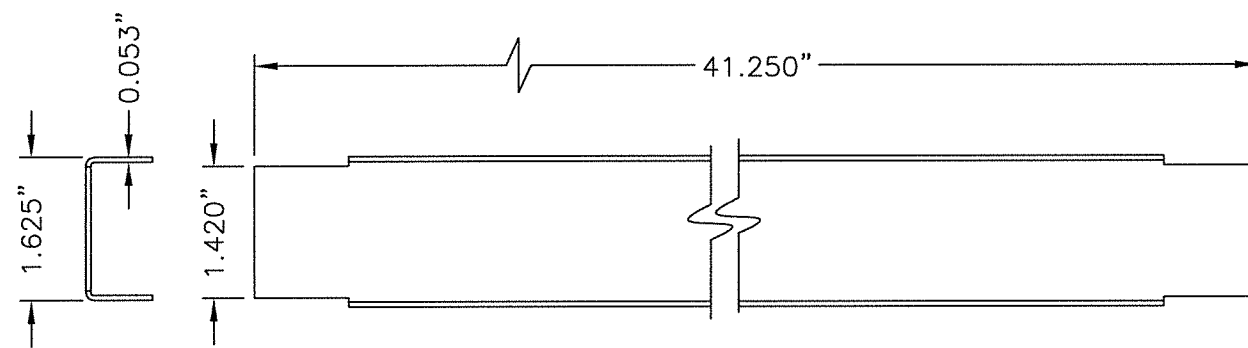
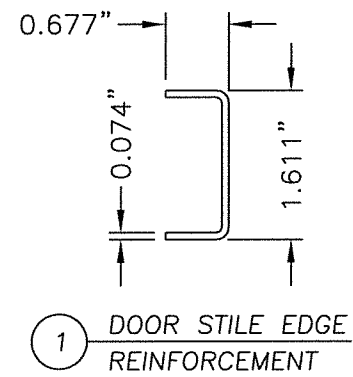


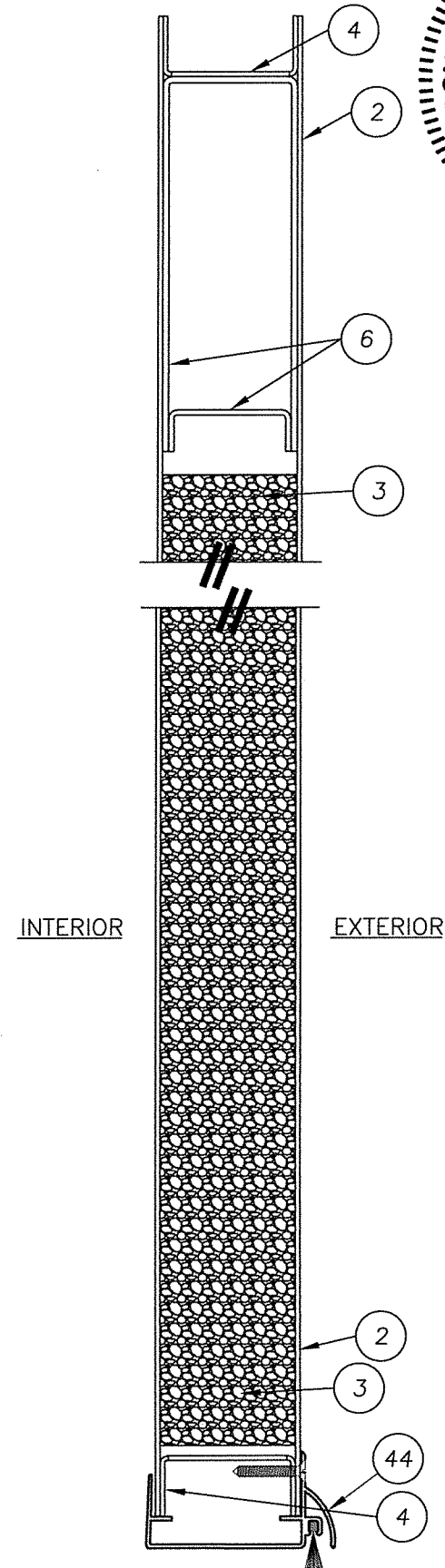
**"D" SERIES  
SINGLE OPAQUE DOOR  
"IMPACT"  
OUTSWING**



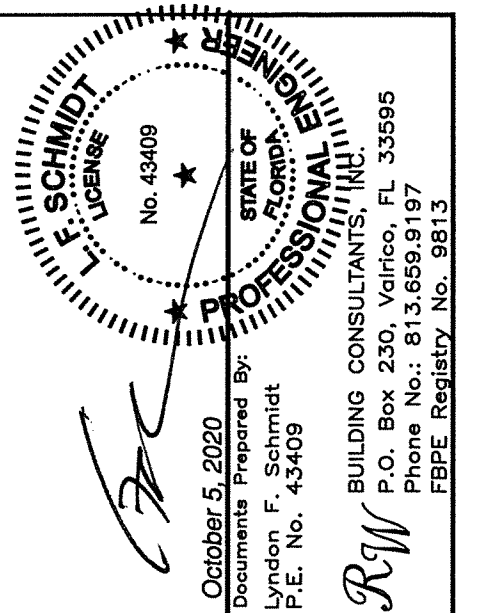
2 HORIZONTAL CROSS SECTION  
2



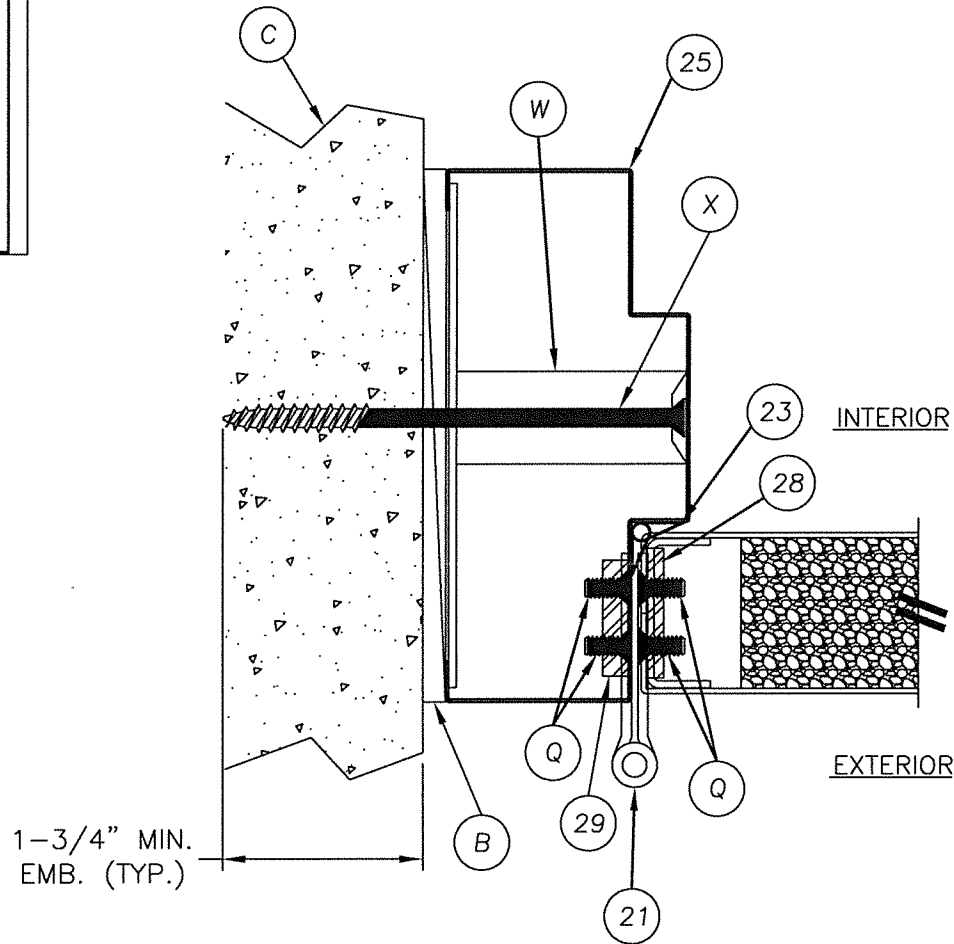
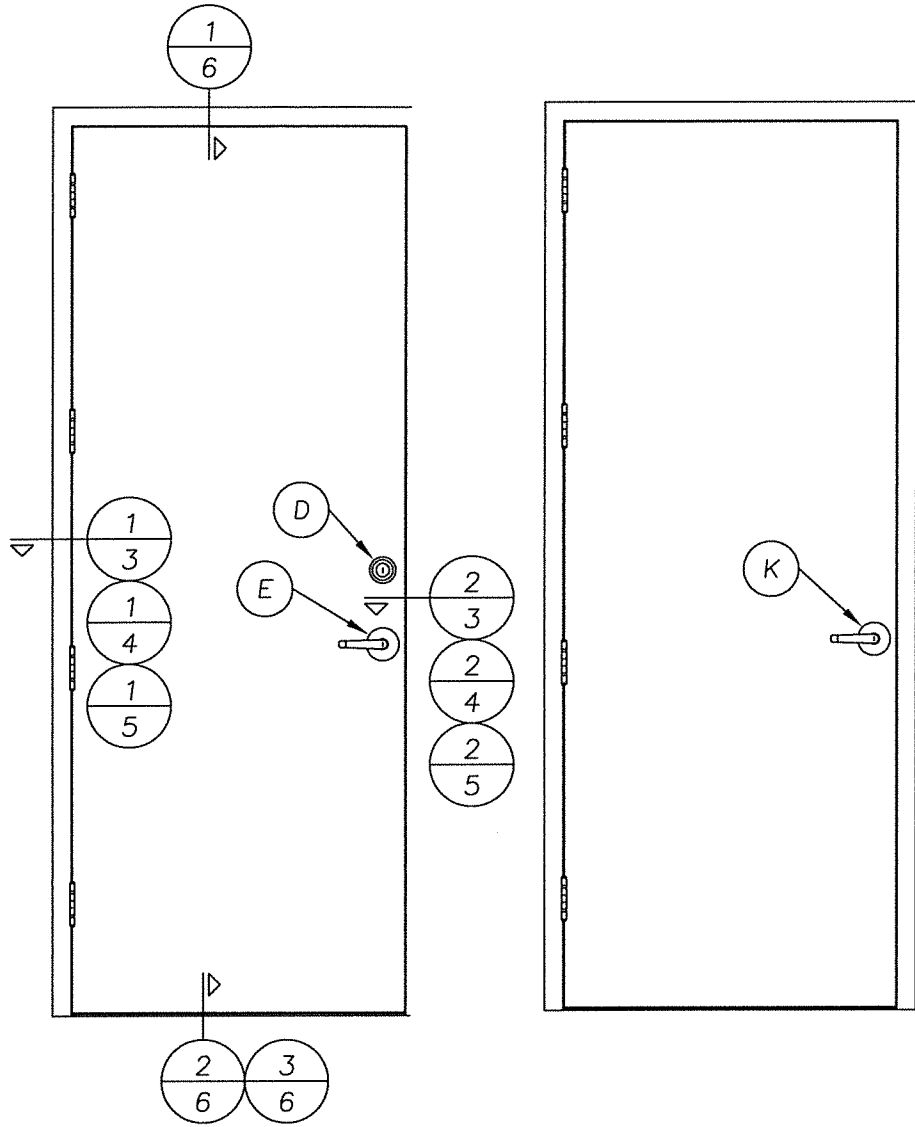
4 DOOR TOP & BOTTOM CLOSER  
16GA. (.053) C.R.S.



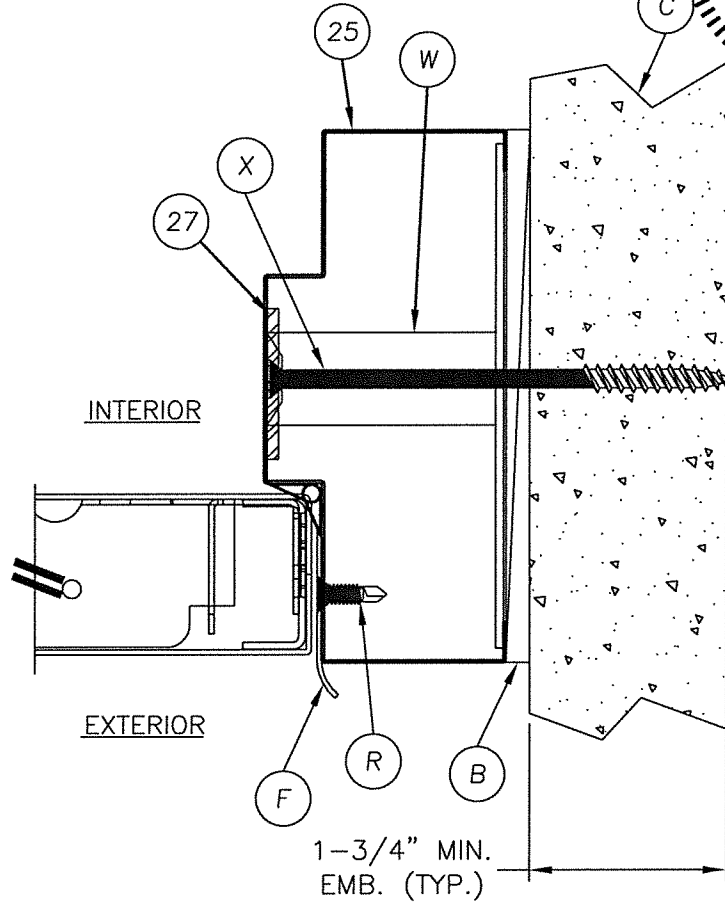
1 VERTICAL CROSS SECTION  
2



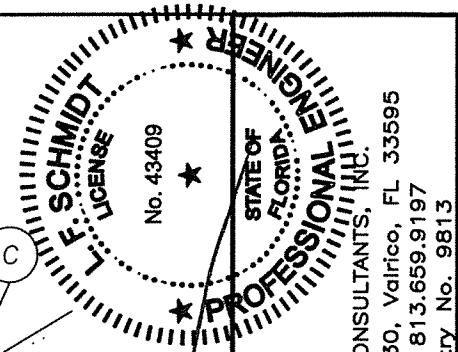
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|-----------------------------|----------|--------------------------|-----|-----|----|---------------------------------------------------------------------------|
| DATE: 1/05/15               |          |                          |     |     |    | PRODUCT:<br><u>MEGAMET INDUSTRIES, INC.</u><br><u>"D" PANELS "IMPACT"</u> |
| SCALE: N.T.S.               |          |                          |     |     |    |                                                                           |
| DWG. BY: JK                 |          |                          |     |     |    |                                                                           |
| CHK. BY: LFS                |          |                          |     |     |    |                                                                           |
| DRAWING NO.: FL-16493.13    |          |                          |     |     |    |                                                                           |
| SHEET <u>2</u> OF <u>10</u> |          |                          |     |     |    |                                                                           |
|                             |          |                          |     |     |    |                                                                           |
|                             |          |                          |     |     |    | 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 | DOOR PANEL DETAILS                                                        |
| REVISIONS                   |          |                          |     |     |    |                                                                           |



1 HORIZONTAL CROSS SECTION  
3 @ HINGE  
SHOWN WITH TUBE ANCHOR



2 HORIZONTAL CROSS SECTION  
3 @ HINGE  
SHOWN WITH TUBE ANCHOR



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

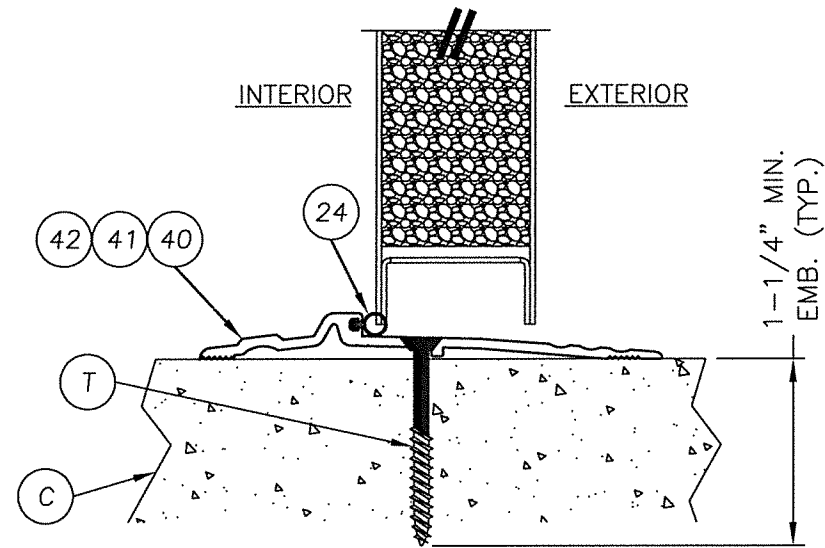
|                   |  |                           |    |
|-------------------|--|---------------------------|----|
| PRODUCT:          |  | MEGAMET INDUSTRIES, INC.  |    |
|                   |  | "D" PANELS "IMPACT"       |    |
| PART OR ASSEMBLY: |  | HORIZONTAL CROSS SECTIONS |    |
|                   |  | REVISIONS                 |    |
|                   |  | LFS                       | BY |
|                   |  | FBC                       |    |
|                   |  | FBC                       |    |
|                   |  | DATE                      |    |
|                   |  | NO                        |    |
|                   |  | DATE                      |    |
|                   |  | DATE                      |    |
| DATE:             |  | 1/05/15                   |    |
| SCALE:            |  | N.T.S.                    |    |
| DWG. BY:          |  | JK                        |    |
| CHK. BY:          |  | LFS                       |    |
| DRAWING NO.:      |  | FL-16493.13               |    |
| SHEET             |  | 3 OF 10                   |    |

Technical drawing of a window assembly cross-section. The drawing is divided into two main horizontal sections: the top section is labeled INTERIOR and the bottom section is labeled EXTERIOR. The central vertical element is a window frame. To the left of the frame, a vertical line is labeled V. Below the frame, a horizontal line is labeled INTERIOR. To the right of the frame, a vertical line is labeled EXTERIOR. The drawing includes several numbered callouts: (25) points to the top of the frame; (23) points to the interior side of the frame; (27) points to the exterior side of the frame; (F) points to the frame; (R) points to the frame; (C) points to the exterior side of the frame. The drawing also shows a cross-section of a wall with a window opening. The wall is composed of a concrete block (indicated by a pattern of small triangles) and a mortar joint (indicated by a pattern of small dots). The mortar joint is labeled MORTAR REMOVED FOR CLARITY. The concrete block is labeled CONCRETE BLOCK. The mortar joint is labeled MORTAR. The window opening is labeled WINDOW OPENING. The drawing also shows a cross-section of a window pane (indicated by a pattern of small circles) and a window frame (indicated by a pattern of small squares). The window pane is labeled WINDOW PANE. The window frame is labeled WINDOW FRAME. The drawing also shows a cross-section of a window sill (indicated by a pattern of small circles) and a window frame (indicated by a pattern of small squares). The window sill is labeled WINDOW SILL. The window frame is labeled WINDOW FRAME.

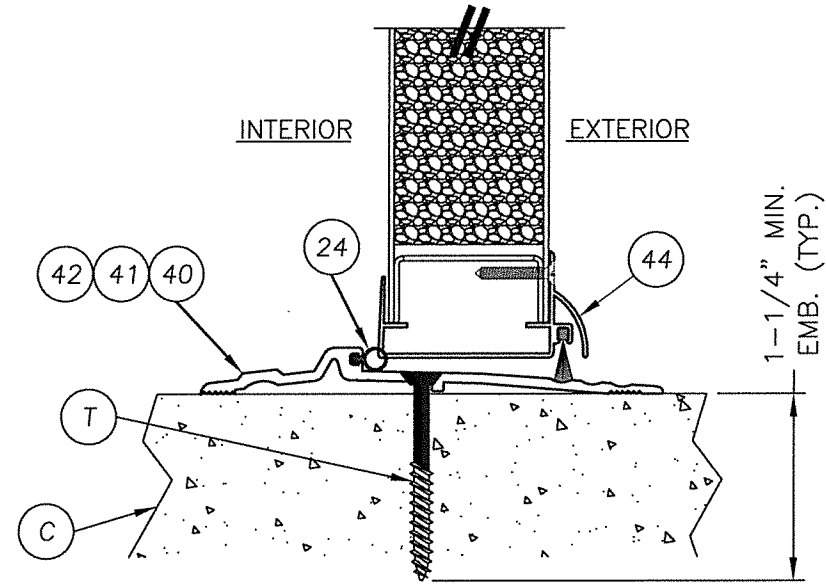
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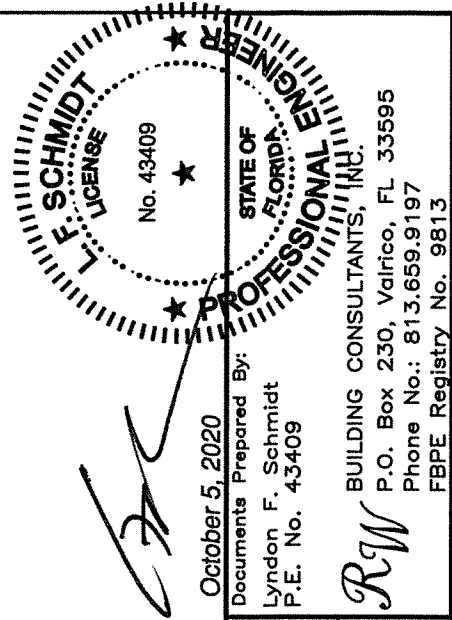
1 VERTICAL CROSS SECTION  
6 @ HEAD



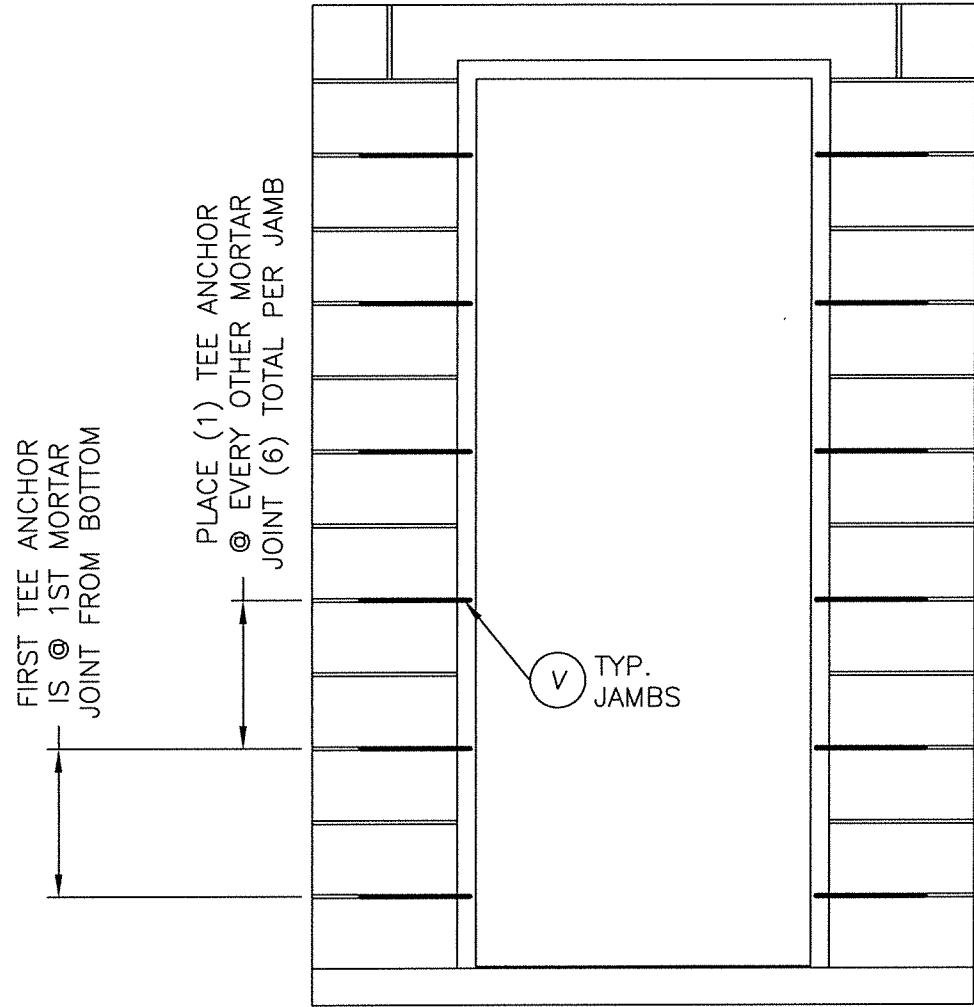
2 VERTICAL CROSS SECTION  
6 @ THRESHOLD



3 VERTICAL CROSS SECTION  
6 @ THRESHOLD



|                          |          |                                                          |     |
|--------------------------|----------|----------------------------------------------------------|-----|
| DATE: 1/05/15            |          | PRODUCT: MEGAMET INDUSTRIES, INC.<br>"D" PANELS "IMPACT" |     |
| SCALE: N.T.S.            |          | PART OR ASSEMBLY: VERTICAL CROSS SECTIONS                |     |
| DWG. BY: JK              |          |                                                          |     |
| CHK. BY: LFS             |          |                                                          |     |
| DRAWING NO.: FL-16493.13 |          |                                                          |     |
| SHEET 6 OF 10            |          |                                                          |     |
|                          |          |                                                          |     |
|                          |          |                                                          |     |
|                          |          |                                                          |     |
| 2                        | 10/05/20 | UPDATE TO 7TH ED. (2020)                                 | FBC |
| 1                        | 10/16/17 | UPDATE TO 6TH ED. (2017)                                 | FBC |
| NO.                      | DATE     |                                                          | BY  |
|                          |          | REVISIONS                                                |     |

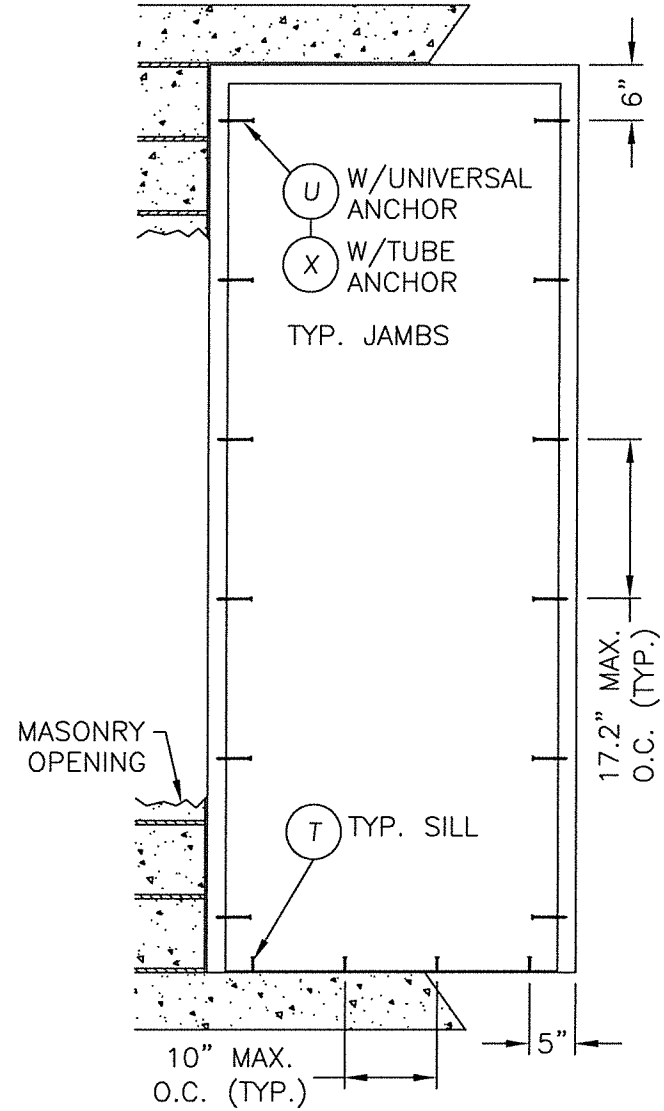


CONCRETE ANCHOR NOTES:

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.



|                                                                                                                                                                                                                                                                                    |  |                                                             |  |                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|--------------------------------------|--|
| <div><div><div>FLORIDA</div><div>F. SCHMIDT</div><div>LICENSE</div></div><div>No. 43409</div><div>STATE OF FLORIDA</div><div>PROFESSIONAL ENGINEER</div></div> <div>October 5, 2020</div> <div>Documents Prepared By:</div> <div>Lyndon F. Schmidt</div> <div>P.E. No. 43409</div> |  | PRODUCT:<br>MEGAMET INDUSTRIES, INC.<br>"D" PANELS "IMPACT" |  | PART OR ASSEMBLY:<br>FRAME ANCHORING |  |
|                                                                                                                                                                                                                                                                                    |  | 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-16493.13                                                                                                                                                                                                                                                           |  |                                                             |  |                                      |  |
| SHEET 7 OF 10                                                                                                                                                                                                                                                                      |  |                                                             |  |                                      |  |

RW

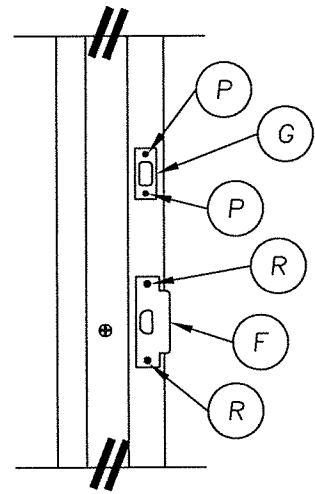
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

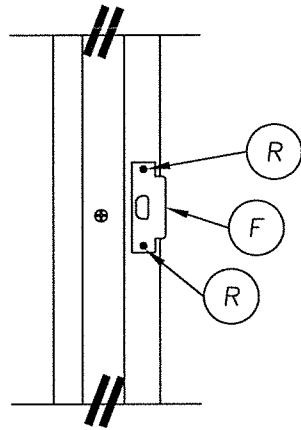
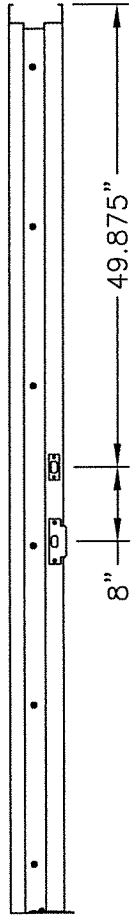
FBPE Registry No. 9813

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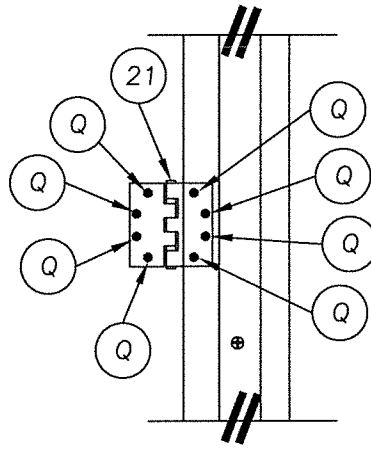
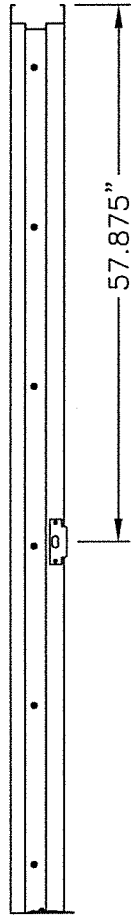
STRIKE PLATE DETAIL  
ANSI STRIKE & DEADBOLT

STRIKE PLATE  
LOCATIONS 2" HEAD



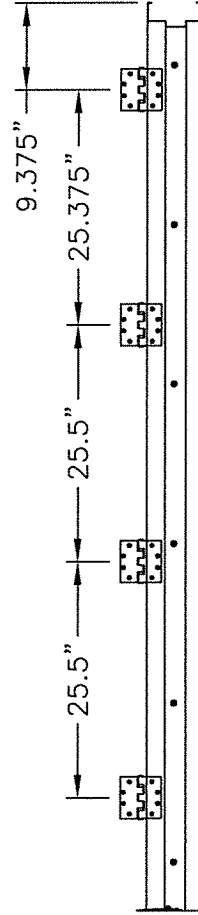
STRIKE PLATE DETAIL  
ANSI STRIKE

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-16493.13 |
| SHEET        | 8 of 10     |

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| 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 "IMPACT"

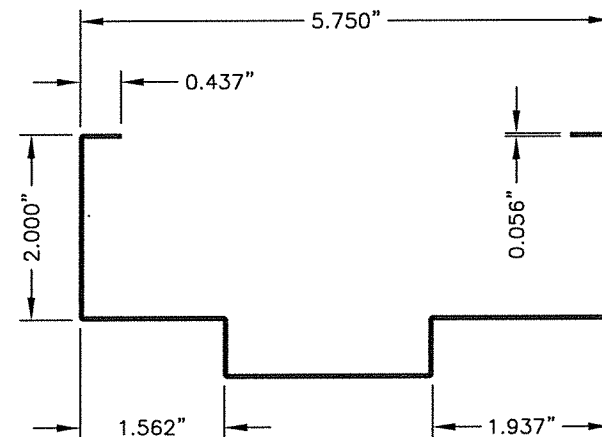
PART OR ASSEMBLY:  
ANCHORING DETAILS

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

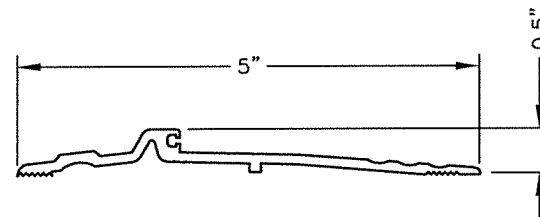
**PROFESSIONAL ENGINEER**  
STATE OF FLORIDA  
R.W. BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



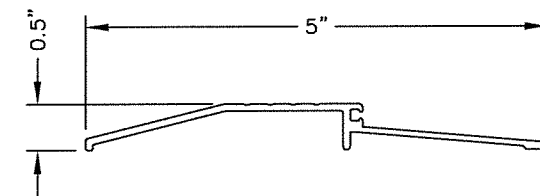
| BILL OF MATERIALS |                                                                                      |             |
|-------------------|--------------------------------------------------------------------------------------|-------------|
| ITEM              | DESCRIPTION                                                                          | 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       |
| 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       |



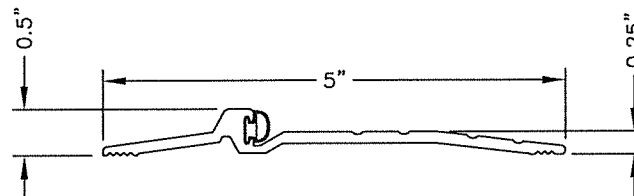
25 FRAME



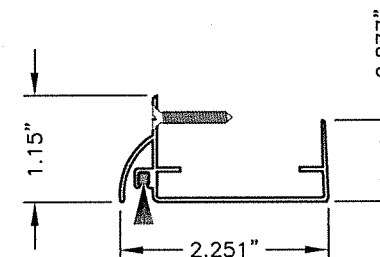
40 THRESHOLD



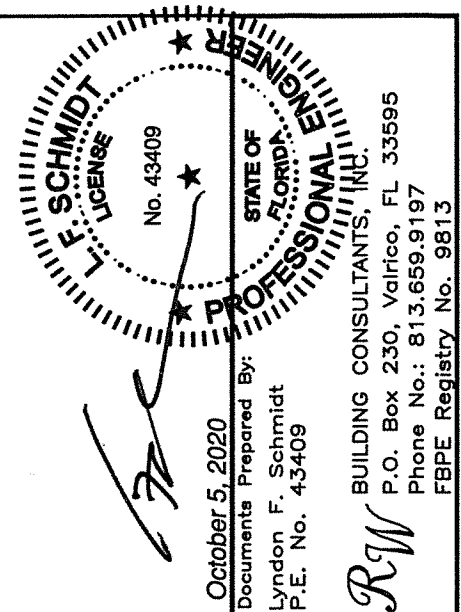
41 THRESHOLD



42 THRESHOLD



44 SWEEP



|                          |          |                                                          |         |
|--------------------------|----------|----------------------------------------------------------|---------|
| DATE: 1/05/15            |          | PRODUCT: MEGAMET INDUSTRIES, INC.<br>"D" PANELS "IMPACT" |         |
| SCALE: N.T.S.            |          |                                                          |         |
| DWG. BY: JK              |          |                                                          |         |
| CHK. BY: LFS             |          |                                                          |         |
| DRAWING NO.: FL-16493.13 |          |                                                          |         |
| 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                |          |                                                          |         |