

MEGAMET INDUSTRIES, INC.
3228 6th AVENUE NORTH
P.O. BOX 635
BIRMINGHAM, AL 35201

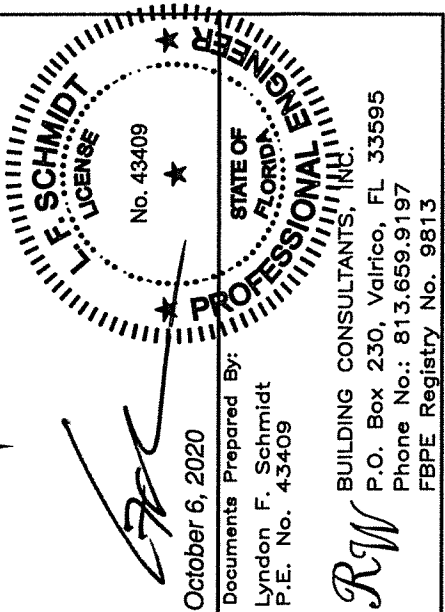
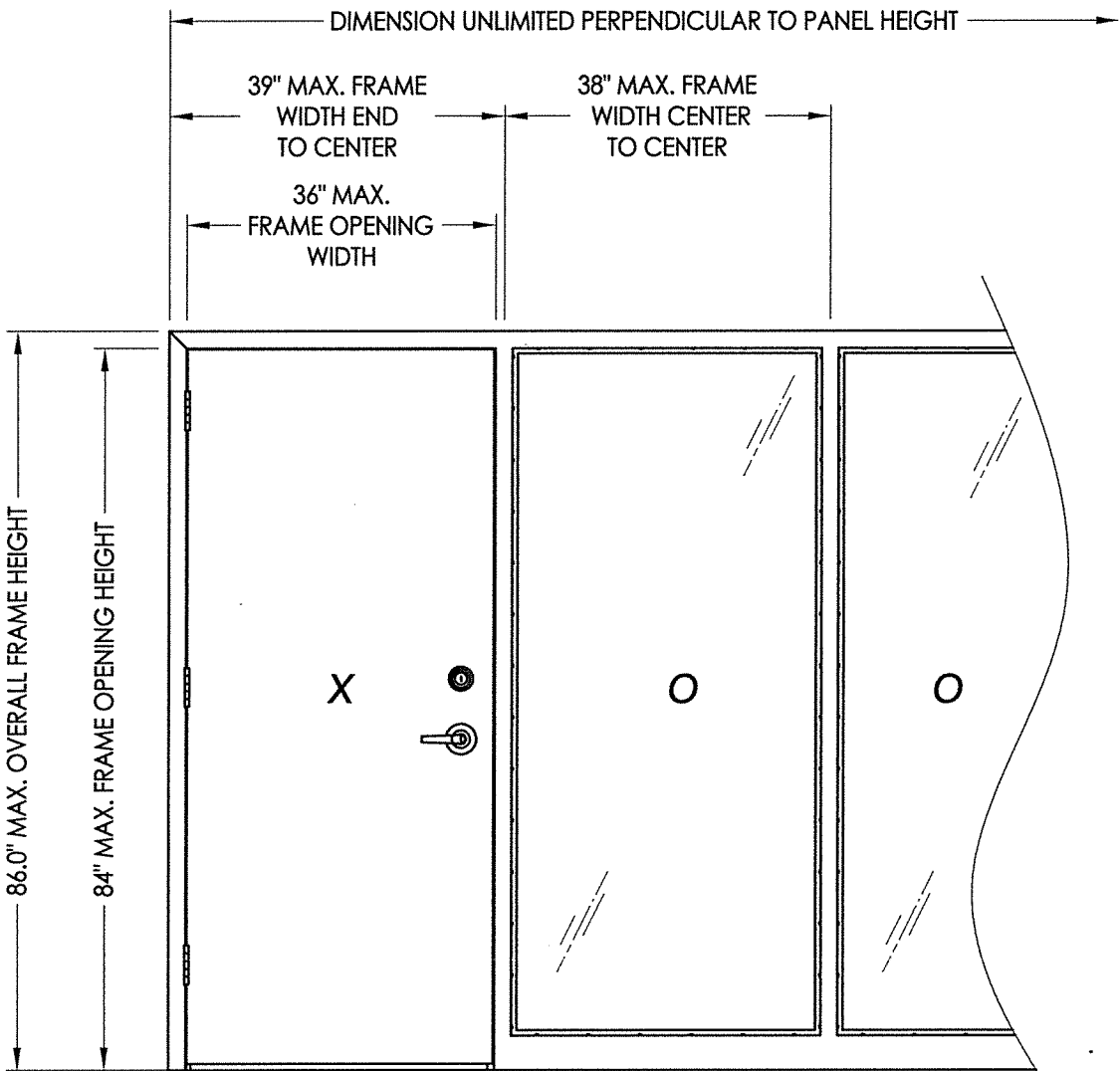
"D" SERIES
COMMERCIAL STEEL DOOR
w/ SIDELITES
OUTSWING
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. Outswing configurations using high water dam threshold item #78 meet water infiltration requirements for "HVHZ".
6. Outswing configurations using sill item #40, #41 or #42 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less that 45 degrees.
7. All steel shall be protected as specified in Section 2222.6 of the FBC.

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7	Glazing detail & components
8	Bill of materials & components

OVERALL FRAME DIMENSION	SIDELITE D.L.O. DIMENSION	LOCK TYPE	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
39.0" X 86.0"	34.75" X 78.75"	161 LATCH (SCHLAGE)	G1	+55.0	-55.0
		161 LATCH & DEADBOLT (DESIGN HARDWARE)		+65.0	-65.0



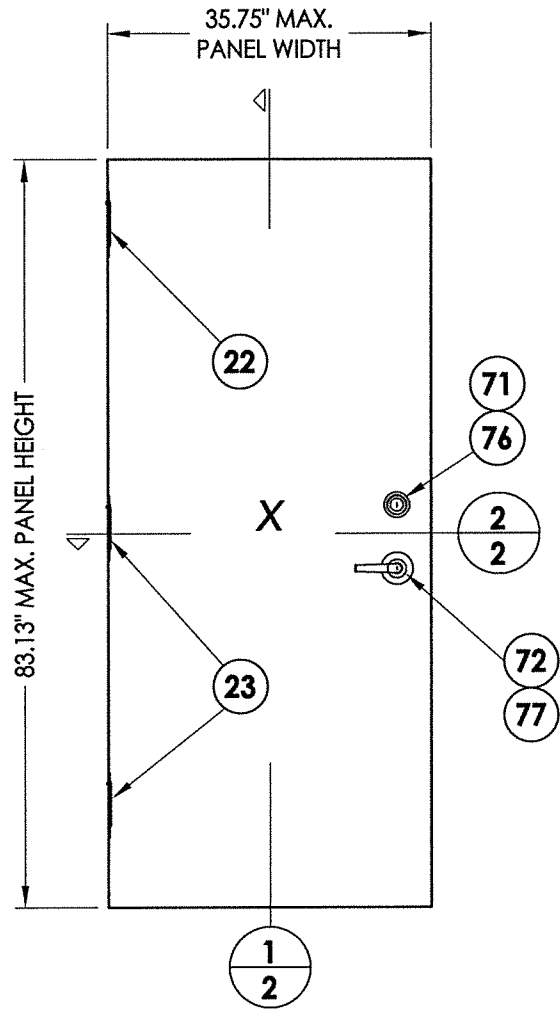
October 6, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

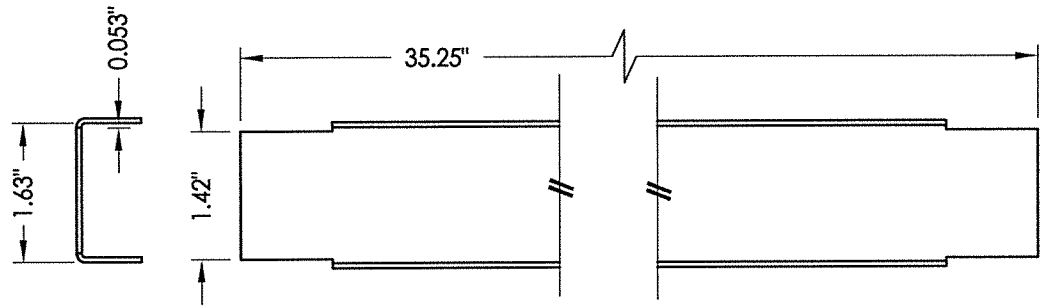
PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS		
		BY	LFS	FBC
3	10/05/20	UPDATE TO 7TH ED.	(2020)	FBC
2	10/16/17	UPDATE TO 6TH ED.	(2017)	FBC
1	1/06/15	UPDATE TO 5th ED.	(2014)	FBC

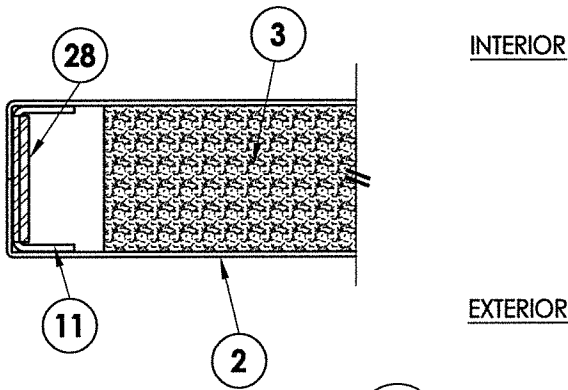
DATE: 7/17/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-16494.11
SHEET 1 OF 8



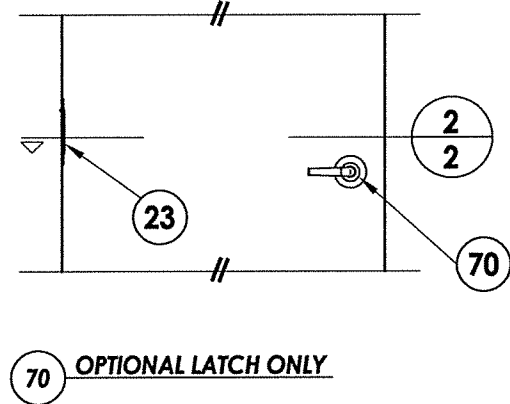
1 "D" OPAQUE STEEL DOOR PANEL



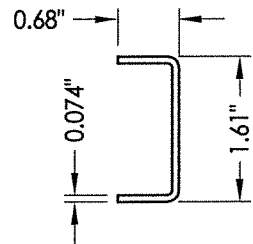
4 DOOR TOP & BOTTOM CLOSER



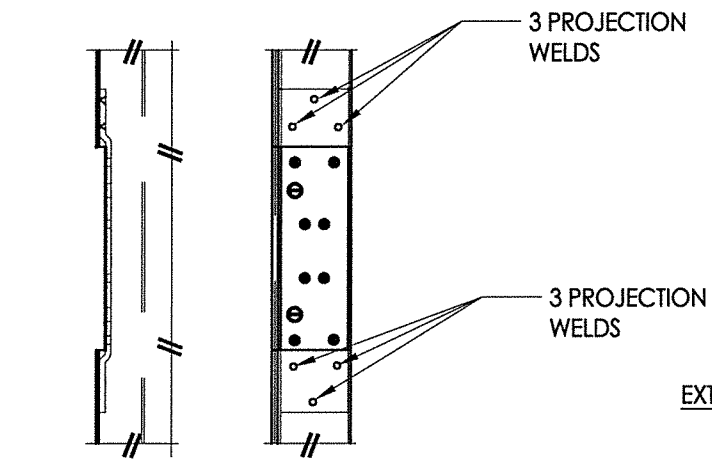
2 HORIZONTAL CROSS SECTION
2 Door panel



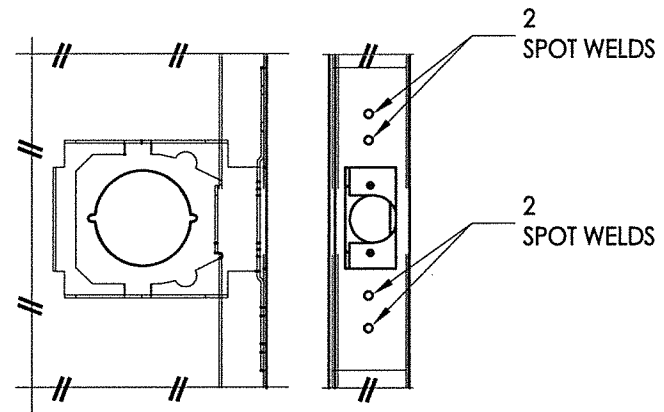
70 OPTIONAL LATCH ONLY



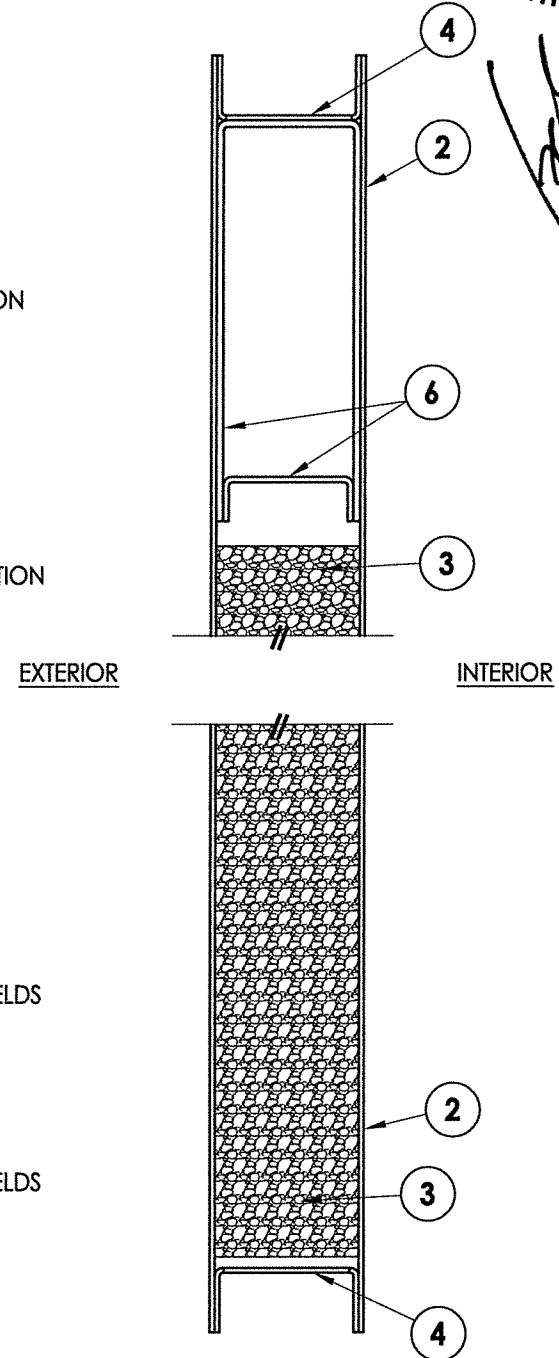
11 DOOR STILE EDGE Reinforcement



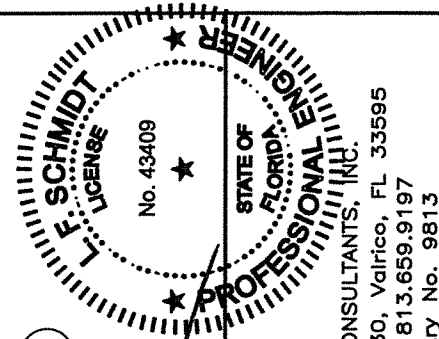
23 DOOR HINGE REINFORCEMENT



5 LOCK BOX REINFORCEMENT



1 VERTICAL CROSS SECTION
2 Door panel



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PRODUCT:
MEGAMET INDUSTRIES, INC.
"D" STEEL DOOR
PART OR ASSEMBLY:
DOOR PANEL SECTIONS
161 LOCK PREP

NO.	DATE	REVISIONS
3	10/05/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	10/16/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	1/06/15	UPDATE TO 5th ED. (2014) FBC LFS

DATE: 7/17/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16494.11
SHEET 2 OF 8

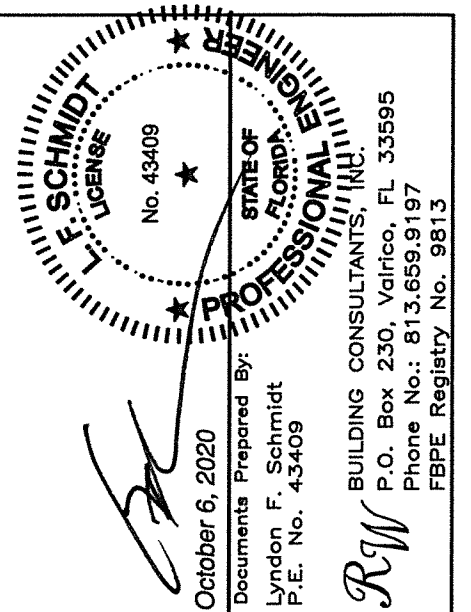
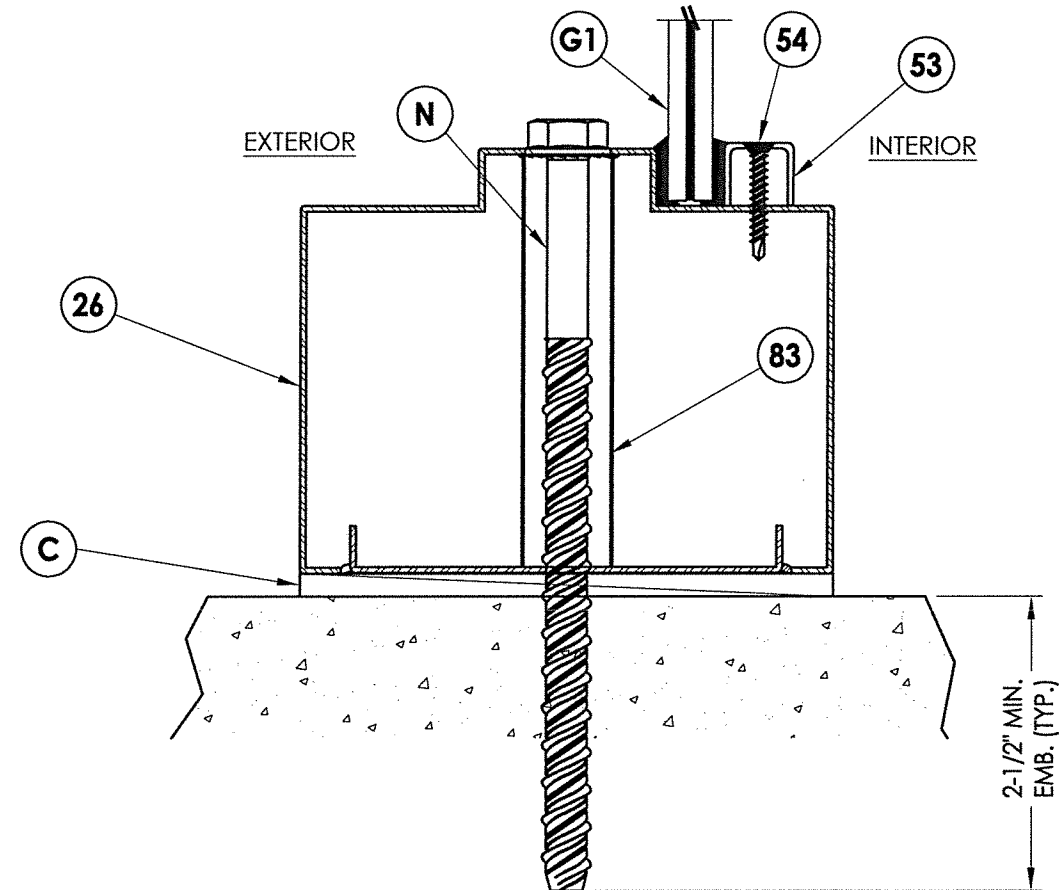
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Diagram illustrating the vertical cross section of a window assembly, showing the exterior and interior components and materials.

Labels and Dimensions:

- E**: Exterior finish material.
- 25**: Dimension indicating the thickness of the exterior finish.
- C**: Dimension indicating the thickness of the exterior finish.
- 1-1/2" MIN. EMB. (TYP.)**: Dimension indicating the minimum embedding depth of the exterior finish.
- J**: Dimension indicating the thickness of the exterior finish.
- M**: Dimension indicating the thickness of the exterior finish.
- 1**: Dimension indicating the thickness of the exterior finish.
- 20**: Dimension indicating the thickness of the exterior finish.
- EXTERIOR**: Label for the exterior side of the assembly.
- INTERIOR**: Label for the interior side of the assembly.
- 1/5**: Fraction indicating the thickness of the exterior finish.
- VERTICAL CROSS SECTION**: Title of the diagram.

3 VERTICAL CROSS SECTION



DATE: 7/17/13						PRODUCT: MEGAMET INDUSTRIES, INC. "D" STEEL DOOR PART OR ASSEMBLY: VERTICAL CROSS SECTIONS
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-16494.11						
SHEET	5	OF	8			
NO. DATE						
REVISIONS						
3	10/05/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS	
2	10/16/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS	
1	1/06/15	UPDATE TO 5th ED.	(2014)	FBC	LFS	
BY						

FRAME ANCHORING

DETAIL 2

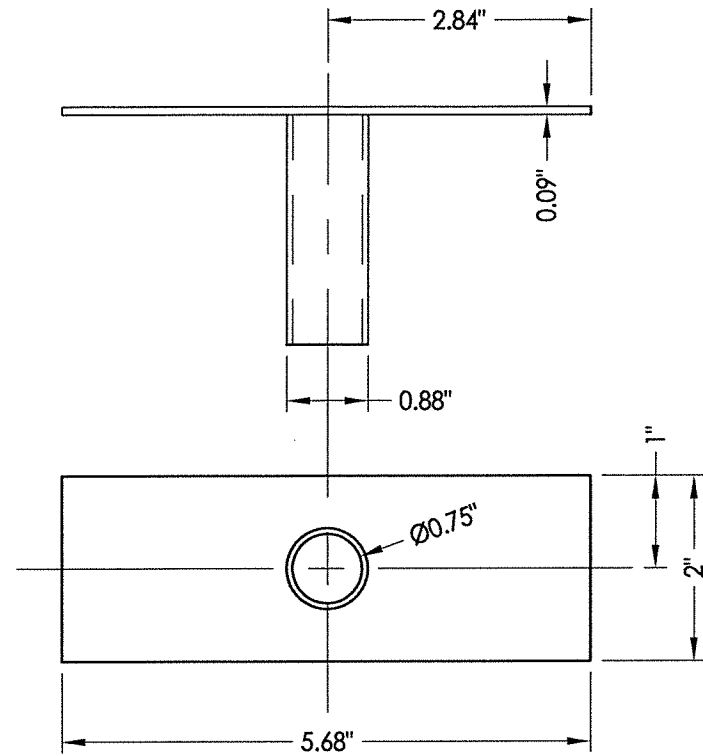
ANCHOR TYPE	ANCHOR SIZE	MINIMUM EMBEDMENT	MINIMUM CLEARANCE TO MASONRY EDGE	MINIMUM CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"
POWERS TAPPER	3/8"	1-1/2"	4"	3-3/4"
SCREW-BOLT+™	1/2"	2-1/2"	6"	6"

DATE: 7/17/13		PRODUCT: MEGAMET INDUSTRIES, INC. "D" STEEL DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: ANCHORING DETAILS	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16494.11			
SHEET 6 OF 8			

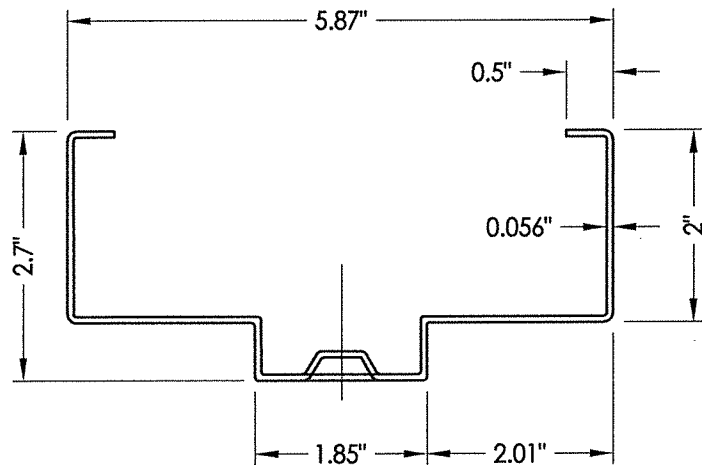
DATE:	7/17/13
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16494.11
SHEET	6 OF 8

17

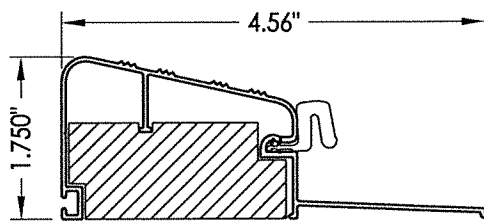
R:\Clients\Megamet PERMANENTVA - Florida Product Approvals\FL-16494\C - Drawings\FL-16494 (2020)\FL-16494.1-13.dwg, 7:11



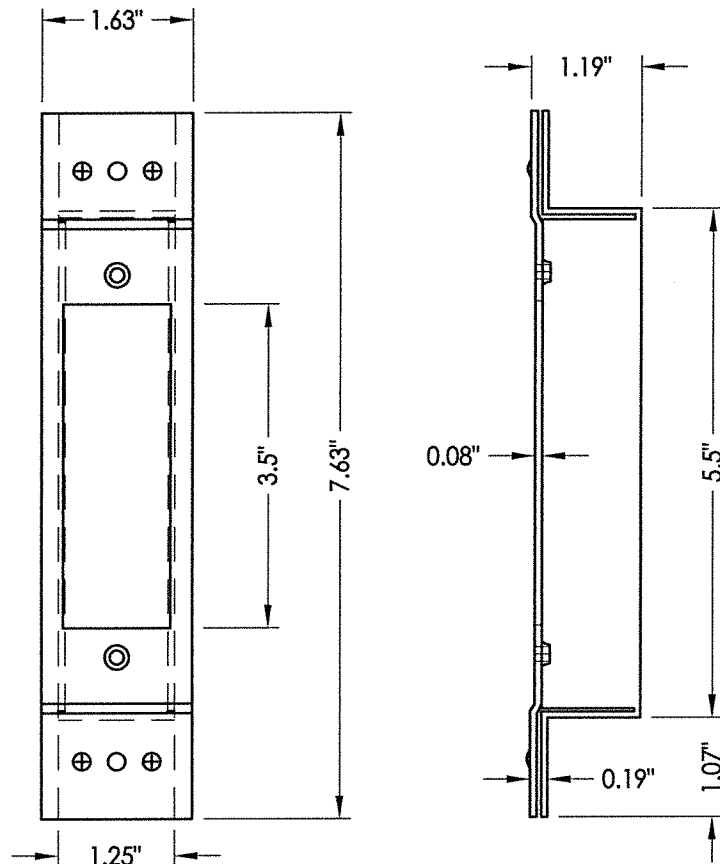
9 TUBE ANCHOR



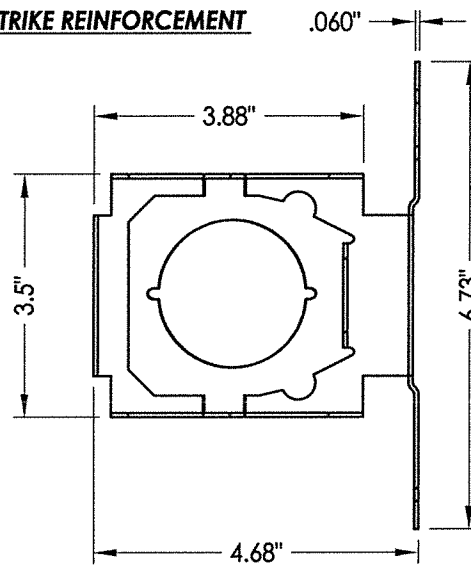
25 HOLLOW METAL FRAME



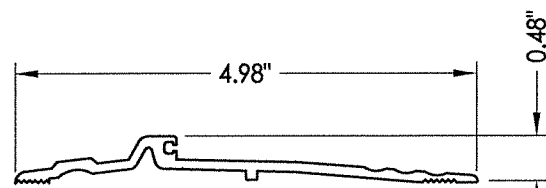
78 OUTSWING THRESHOLD



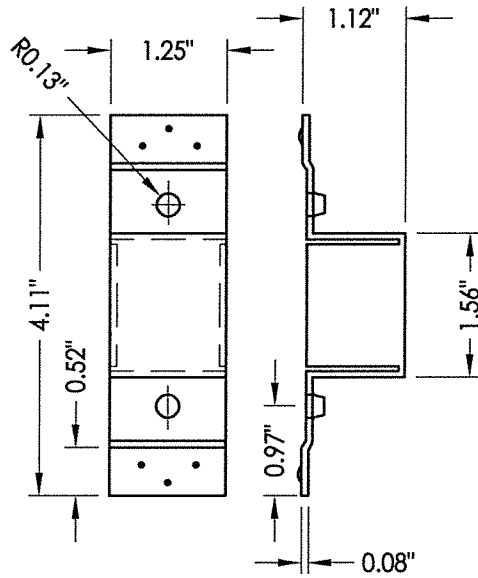
27 LATCH STRIKE REINFORCEMENT



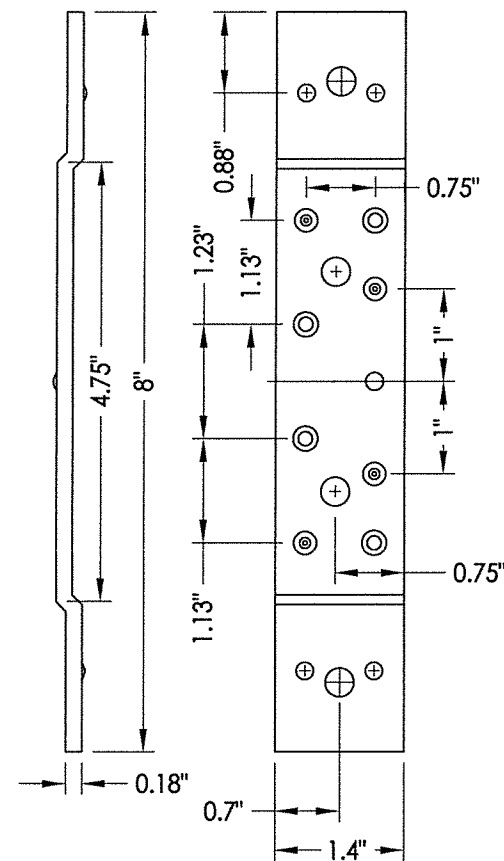
5 LOCK BOX REINFORCEMENT



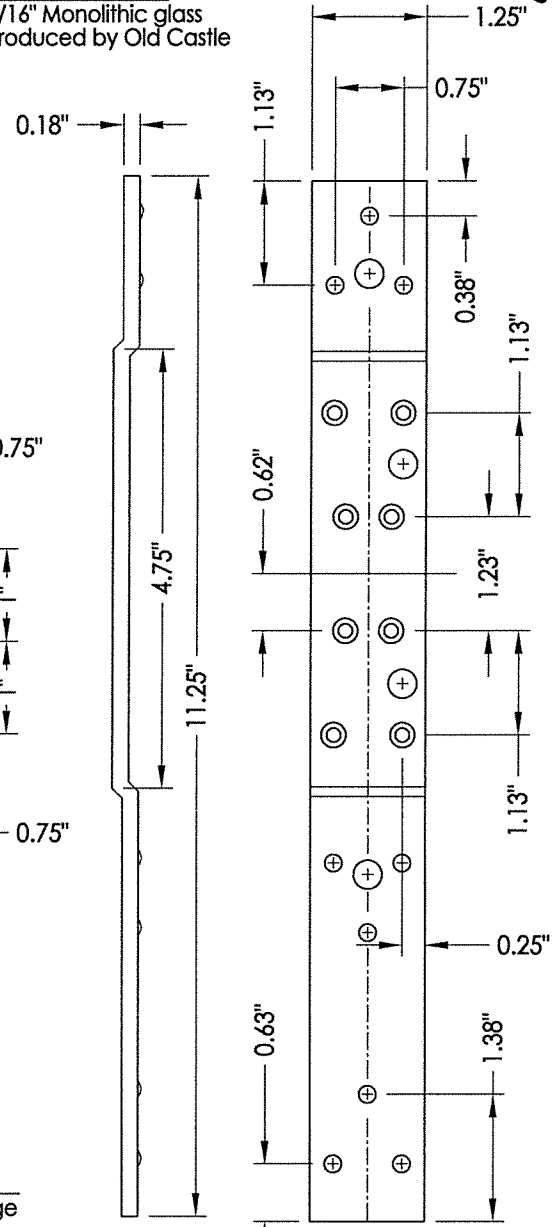
40 THRESHOLD



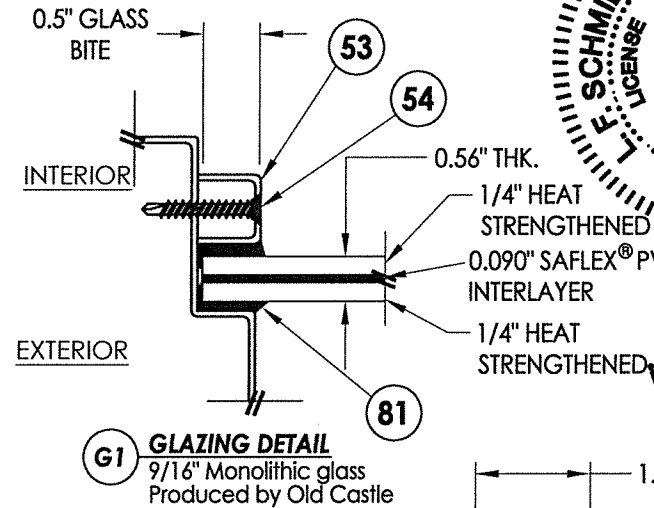
19 DEADBOLT STRIKE REINFORCEMENT



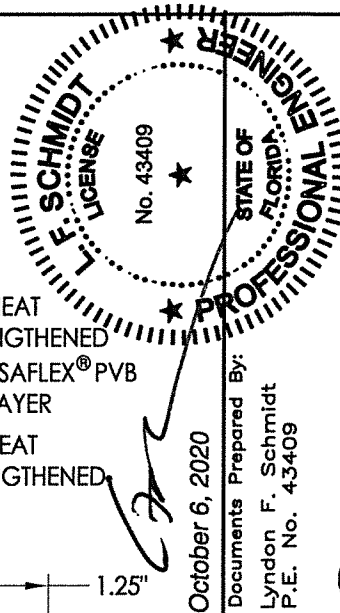
23 STANDARD (SHORT) DOOR HINGE
Reinforcement middle and bottom hinge



22 STANDARD (LONG) DOOR HINGE
Reinforcement top hinge



G1 GLAZING DETAIL
9/16" Monolithic glass
Produced by Old Castle



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"D" STEEL DOOR

PART OR ASSEMBLY:
GLAZING DETAIL
& COMPONENTS

REVISIONS			
NO.	DATE	BY	
3	10/05/20	LFS	UPDATE TO 7TH ED. (2020) FBC
2	10/16/17	LFS	UPDATE TO 6TH ED. (2017) FBC
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CHK. BY: LFS
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SHEET 7 OF 8

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