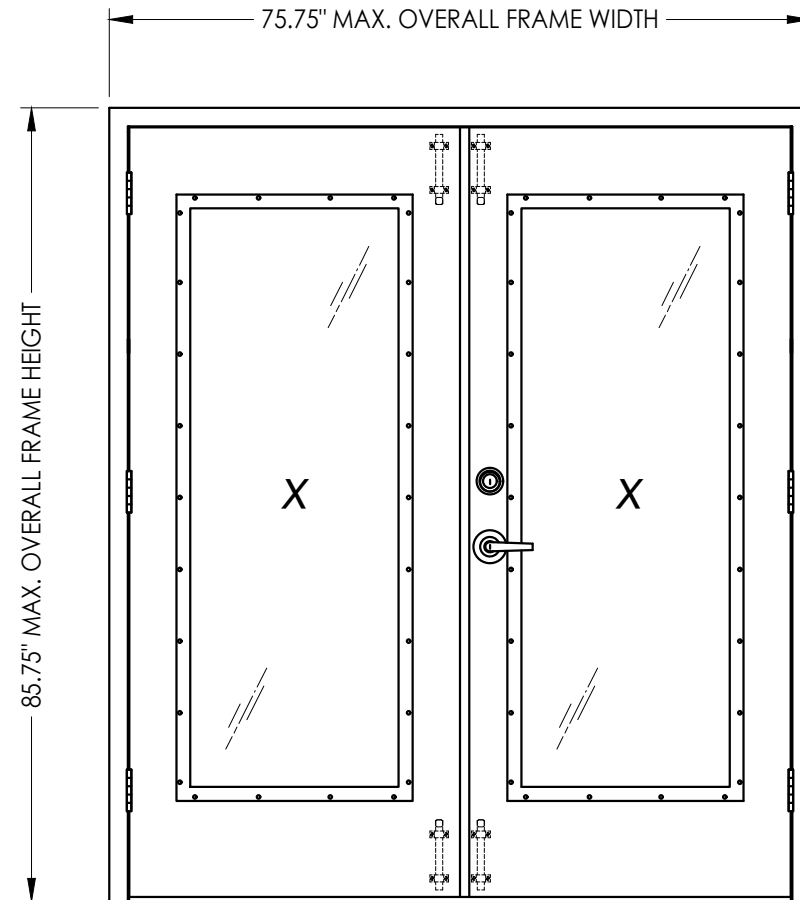


GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding 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 areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. The "N" door achieves a Class III stiffness classification per Section 8.2.2 of ANSI A250.13 (based on opaque door).

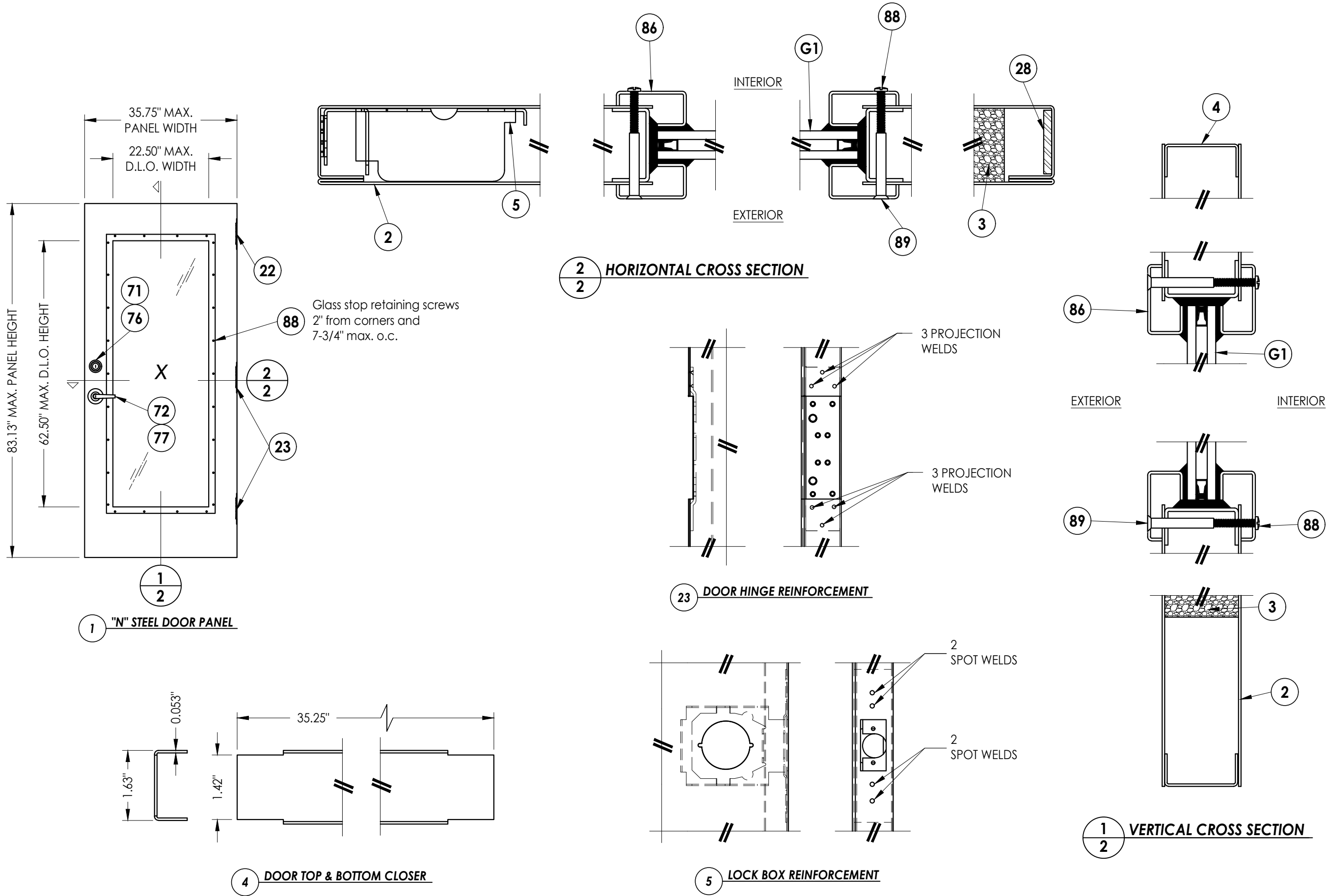
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel details
3	Horizontal & vertical cross sections
4	Anchoring details
5	Components
6	Bill of materials, glazing detail & components



OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
75.75" x 85.75"	22.50" x 62.50"	+65.0	-70.0

DATE: 2/23/09					REVISIONS				
SCALE: N.T.S.									
DWG. BY: AL									
CHK. BY: LFS									
DRAWING NO.: FL-12166.4									
SHEET 1 OF 6					2009 R.W. BUILDING CONSULTANTS INC.				
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS					
4	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
3	7/30/20	UPDATE TO 7TH ED. (2020)	FBC	DAC					
2	7/19/17	UPDATE TO 6TH ED. (2017)	FBC	LFS					
1	10/14/16	UPDATE TO 5TH ED. (2014)	FBC	JK					
NO.	DATE			BY					
PRODUCT: METAL MANUFACTURING INDUSTRIES "N" STEEL DOOR									
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES									
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					R^gW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813				

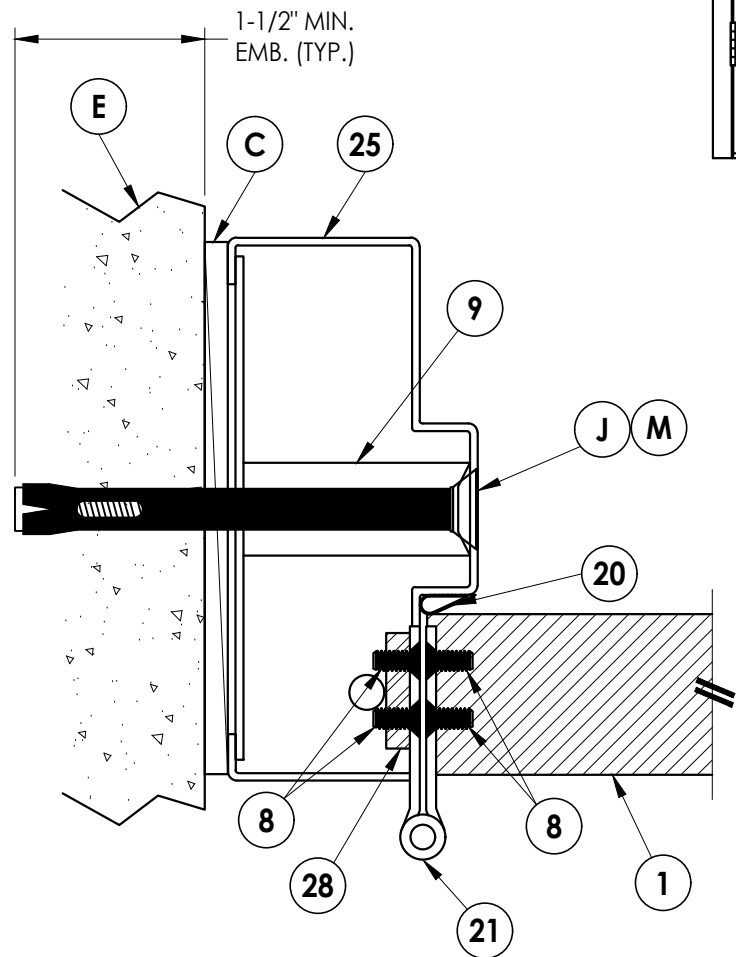
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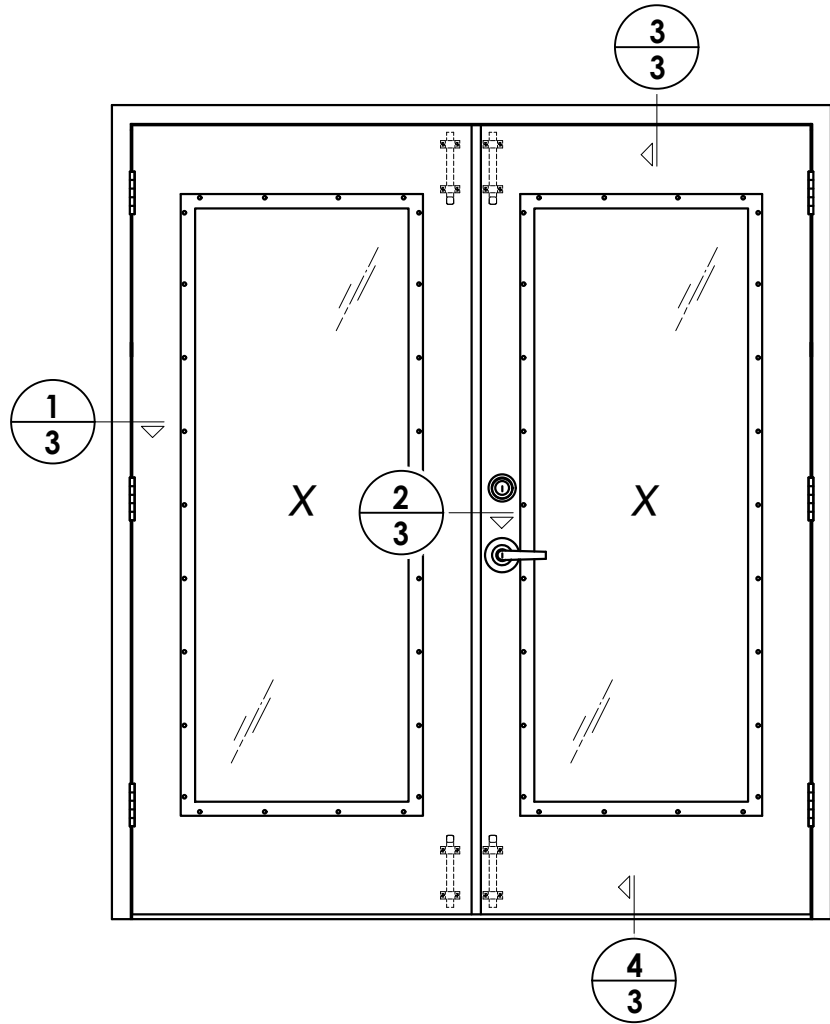
NOTE: ALL WELDING TO CONFORM w/ AMERICAN WELDING SOCIETY, ANSI/AWS AS PER FBC SECTION 2214.3.4.

PRODUCT:		METAL MANUFACTURING INDUSTRIES "N" STEEL DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS		BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409		R ^W	
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DRAWING NO.:		FL-12166.4		SHEET		2 OF 6	
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5		7/01/26		UPDATE TO 9TH ED. (2026)		FBC	
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3		7/30/20		UPDATE TO 7TH ED. (2020)		FBC	
2		7/19/17		UPDATE TO 6TH ED. (2017)		FBC	
1		10/14/16		UPDATE TO 5TH ED. (2014)		FBC	

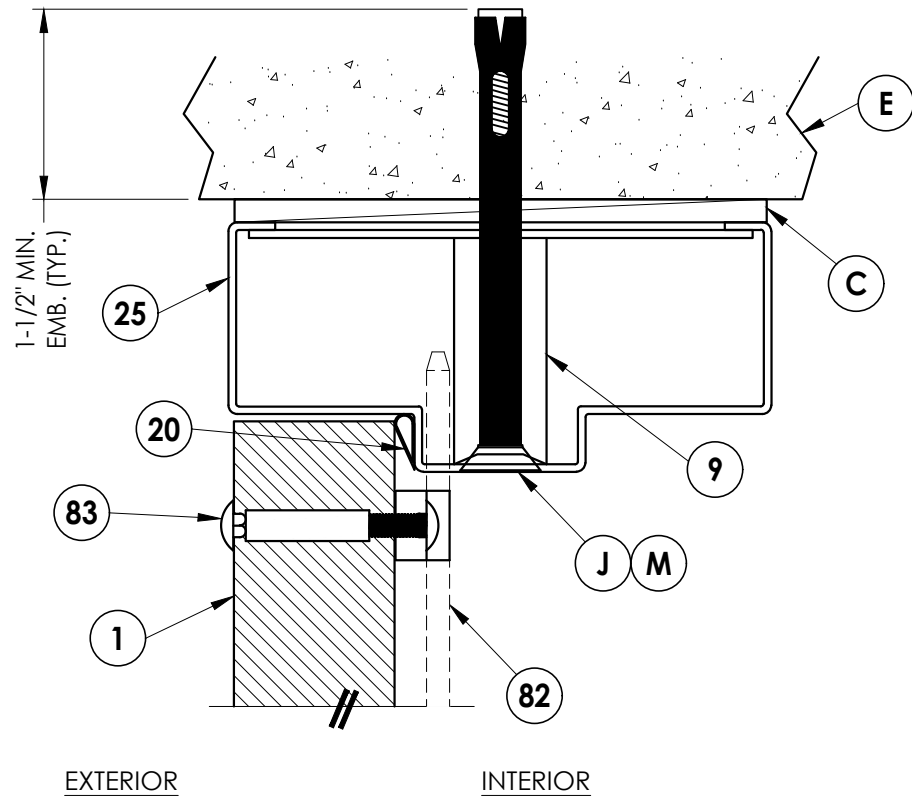
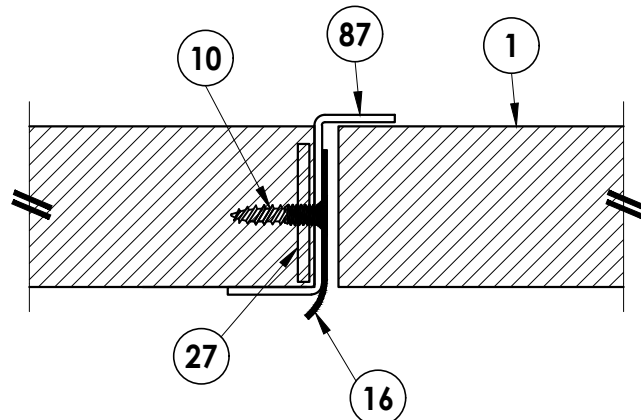
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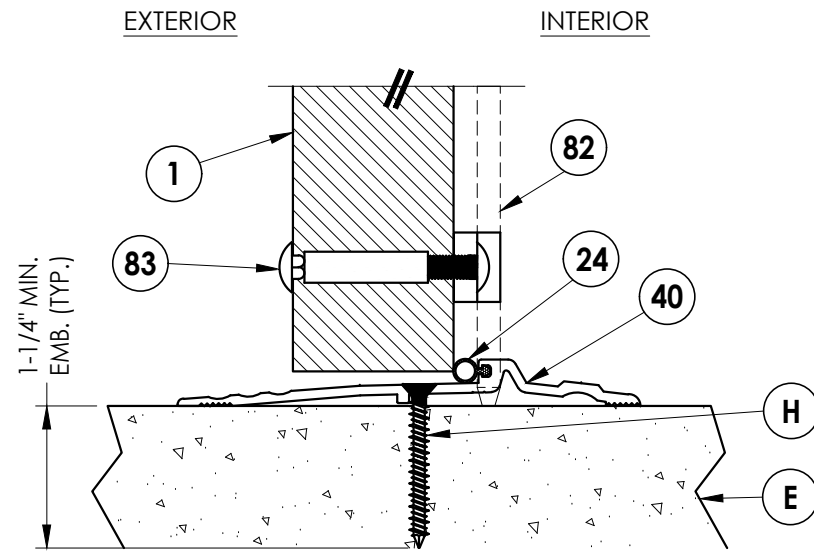
1
3 HORIZONTAL CROSS SECTION



2
3 HORIZONTAL CROSS SECTION



3
3 VERTICAL CROSS SECTION



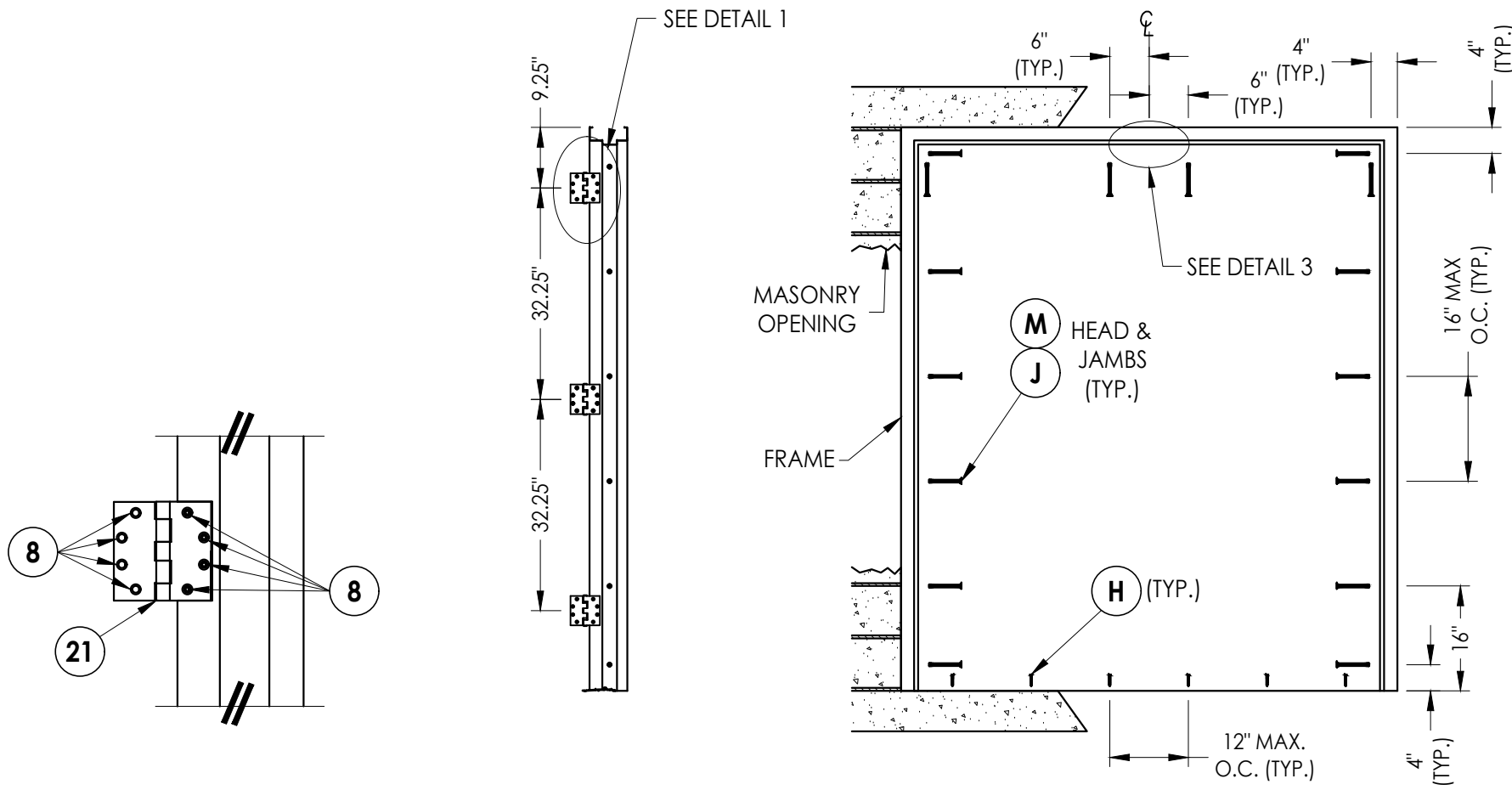
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3 VERTICAL CROSS SECTION

DATE:		2/23/09
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CHK. BY:		LFS
DRAWING NO.:		FL-12166.4
SHEET		3 OF 6

PRODUCT:		METAL MANUFACTURING INDUSTRIES
PART OR ASSEMBLY:		"N" STEEL DOOR
HORIZONTAL & VERTICAL CROSS SECTIONS		

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FBPE Registry No. 9813		

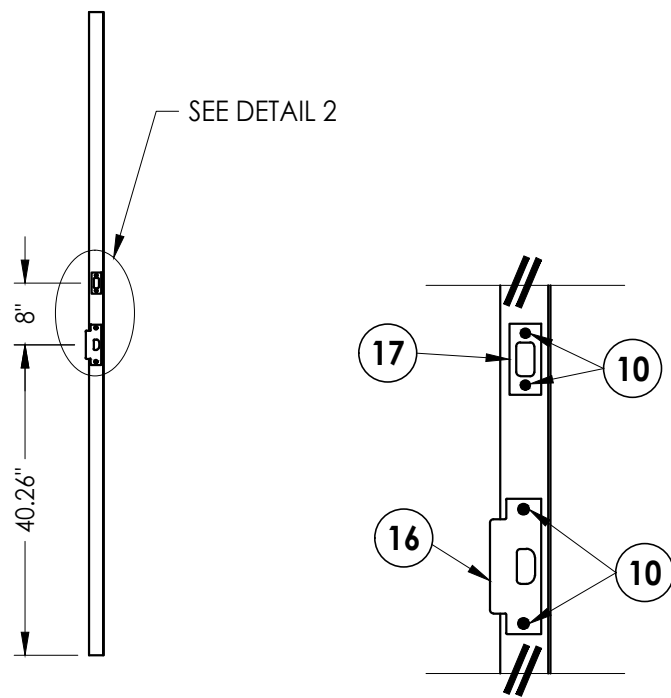
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DETAIL 1

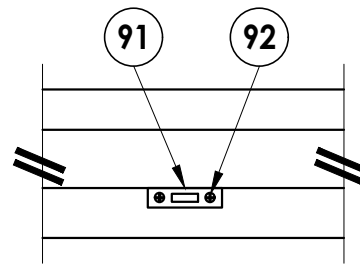
HINGE JAMB

FRAME ANCHORING



STRIKE JAMB

DETAIL 2



DETAIL 3

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"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"
TAPPER	3/8"	1-1/2"	4-1/4"	6"

4. Embedment may be through 1-1/4" face shell of hollow block.

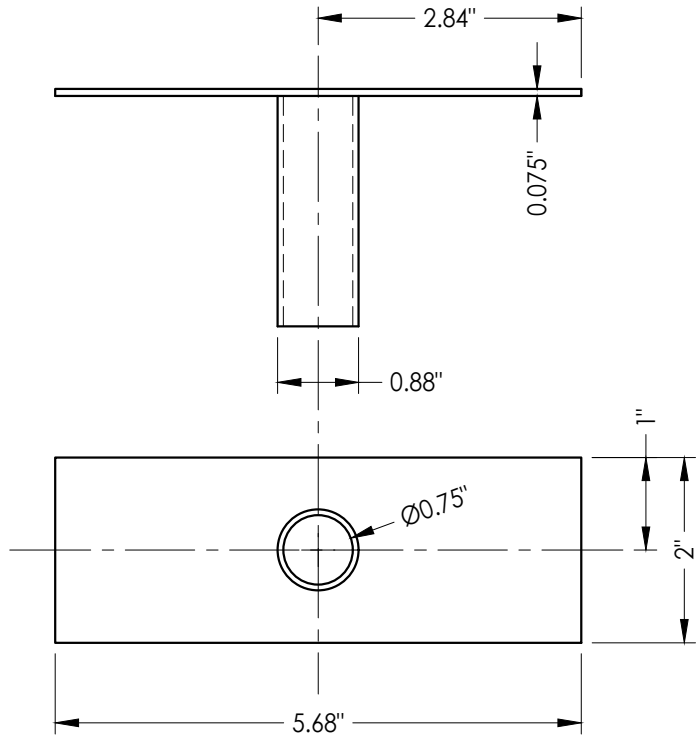
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: METAL MANUFACTURING INDUSTRIES "N" STEEL DOOR		PART OR ASSEMBLY: ANCHORING DETAILS	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
4	7/11/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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1	10/14/16	UPDATE TO 5TH ED. (2014)	FBC	JK	
	NO.	DATE		BY	
REVISIONS					
DATE: 2/23/09					
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DRAWING NO.: FL-12166.4					
SHEET 4 OF 6					

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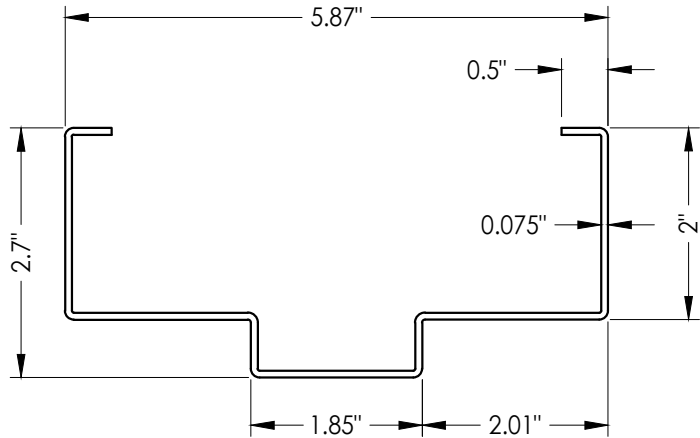
RW

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FBPE Registry No. 9813

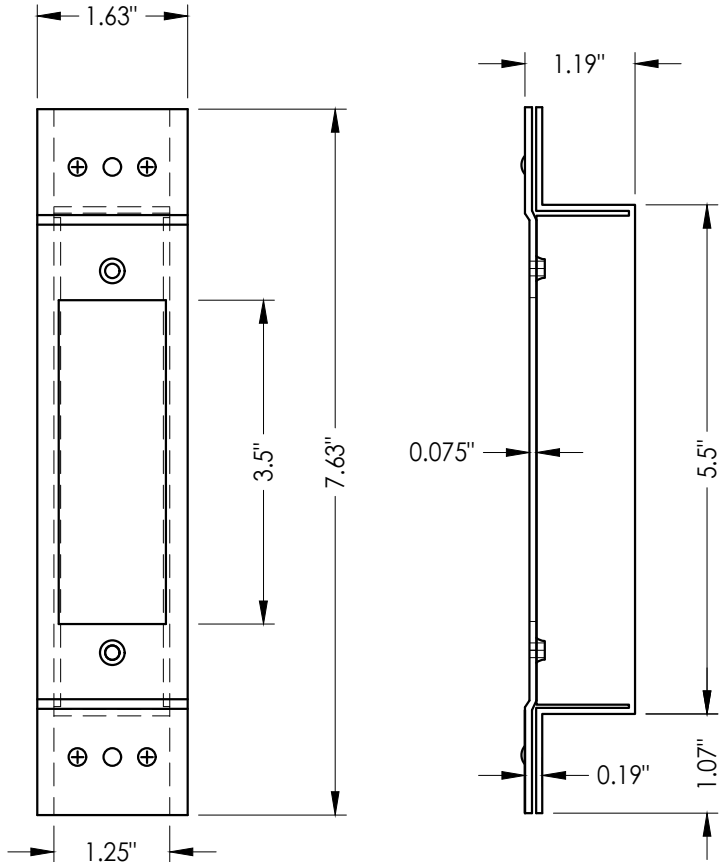
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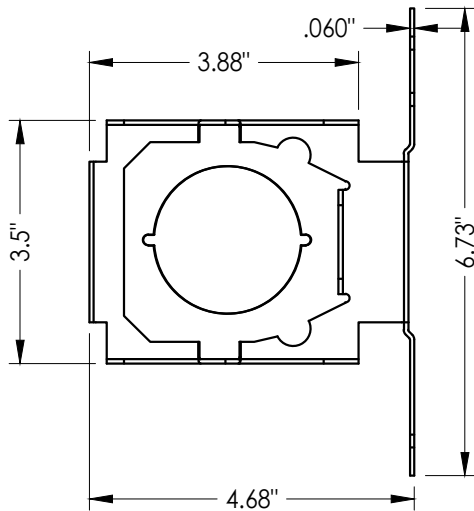
9 TUBE ANCHOR



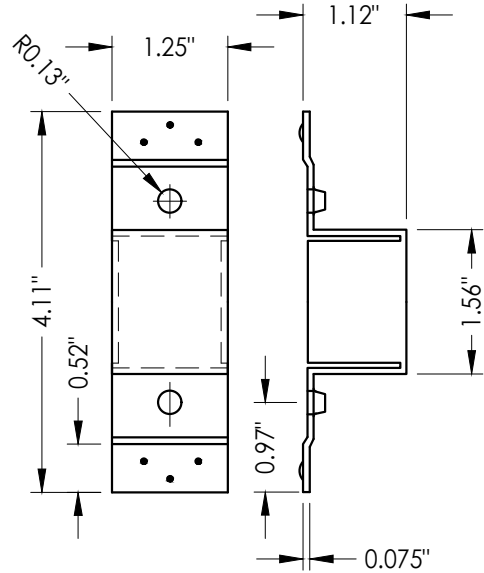
25 HOLLOW METAL FRAME



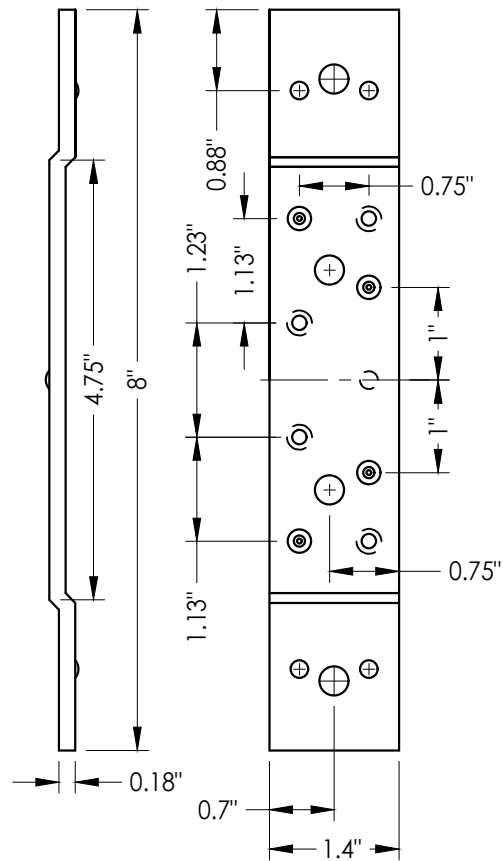
27 LATCH STRIKE REINFORCEMENT



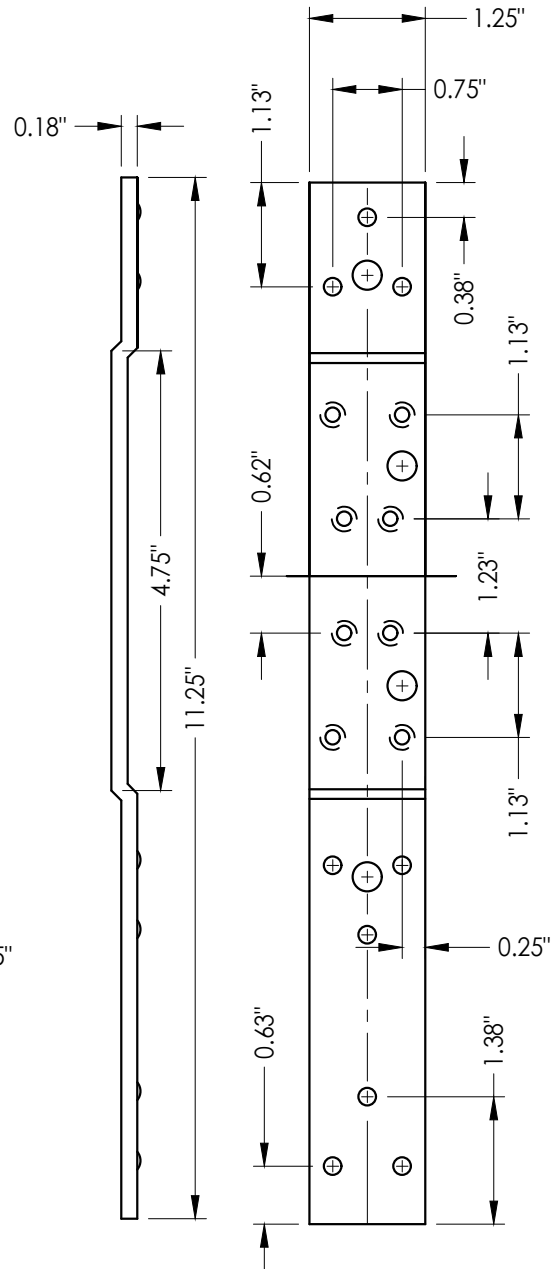
5 LOCK BOX REINFORCEMENT



19 DEADBOLT STRIKE REINFORCEMENT



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



22 STANDARD (LONG) DOOR HINGE
Reinforcement top hinge

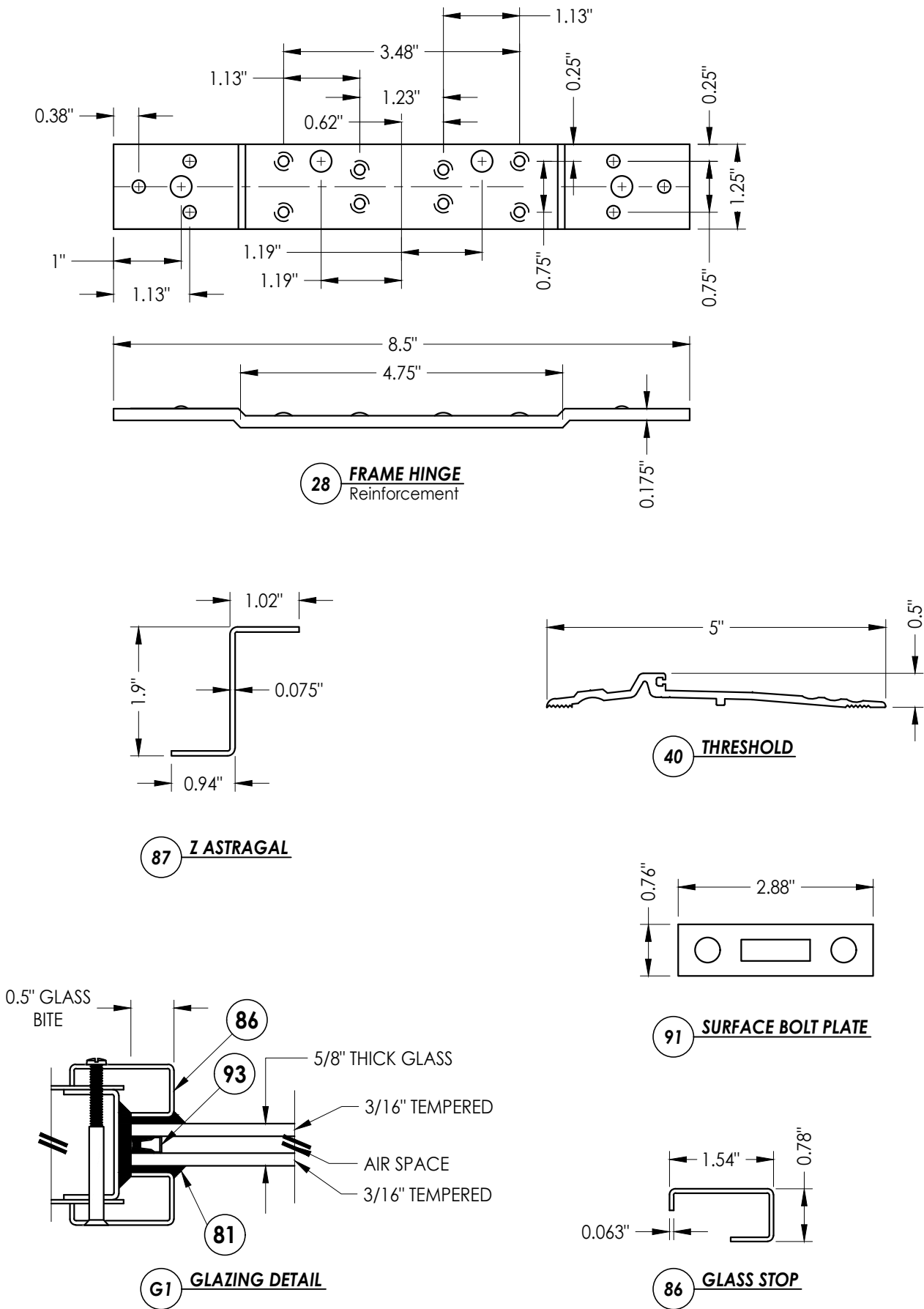
DATE:		2/23/09
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DWG. BY:		AL
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DRAWING NO.:		FL-12166.4
SHEET		5 OF 6

PRODUCT:		METAL MANUFACTURING INDUSTRIES "N" STEEL DOOR
PART OR ASSEMBLY:		COMPONENTS

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
C	MAX. 1/4" SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	1/4" x 1-3/4" PFH ITW CONCRETE SCREW	STEEL
J	3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL
M	3/8" X 5" PFH TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL
1	"N" OPAQUE STEEL DOOR PANEL	-
2	DOOR SKIN - 16GA (0.060" THK. STEEL, Fy = 40,300 PSI MIN.)	STEEL
3	FOAM 1.0 PCF MIN. DENSITY	POLYSTYRENE
4	DOOR TOP & BOTTOM CLOSER	STEEL
5	LOCK BOX REINFORCEMENT	STEEL
8	#12-24 x 1/2" SELF TAPPER	STEEL
9	TUBE ANCHOR	STEEL
10	#12-24 X 1" COMBINATION MACHINE / WOOD SCREW	STEEL
16	ANSI LATCH STRIKE	STEEL
17	DEADBOLT STRIKE	STEEL
19	DEADBOLT STRIKE REINFORCEMENT	STEEL
20	WEATHERSTRIP	NEOPRENE
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL
22	STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT	STEEL
23	STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT	STEEL
24	WEATHERSTRIP (THRESHOLD)	NEOPRENE
25	FRAME - 14GA (0.075" THK)	STEEL
27	LATCH STRIKE REINFORCEMENT	STEEL
28	FRAME HINGE REINFORCEMENT	STEEL
40	THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896	ALUMINUM
71	DESIGN HARDWARE D1-S SERIES DEADBOLT	STEEL
72	DESIGN HARDWARE "Z" SERIES ENTRY	STEEL
76	DESIGN HARDWARE D2-S SERIES DEADBOLT	STEEL
77	DESIGN HARDWARE "X" SERIES ENTRY	STEEL
81	DOW 995 STRUCTURAL SILICONE	SILICONE
82	SURFACE BOLT	STEEL
83	1/4" X 2-1/2" PPH MS	STEEL
86	LITE FRAME BY AIR LOUVERS #1500-AJ-2464	STEEL
87	Z ASTRAGAL	STEEL
88	#8 X 1-1/2" PPH MS	STEEL
89	SCREW COVER	STEEL
91	SURFACE BOLT PLATE	STEEL
92	#8 X 1-1/4" PPH SELF TAPPER	STEEL
93	GLASS SPACER	ALUMINUM



Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
METAL MANUFACTURING
INDUSTRIES
"N" STEEL DOOR
PART OR ASSEMBLY:

BILL OF MATERIALS, GLAZING
DETAIL & COMPONENTS

	7/01/26	7/11/23	7/30/20	7/19/17	10/14/16	NO.	DATE	REVISIONS
5	UPDATE TO 9TH ED. (2026)	FBC	LFS					
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3	UPDATE TO 7TH ED. (2020)	FBC	DAC					
2	UPDATE TO 6TH ED. (2017)	FBC	LFS					
1	UPDATE TO 5TH ED. (2014)	FBC	JK					
			BY					

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SHEET 6 OF 6