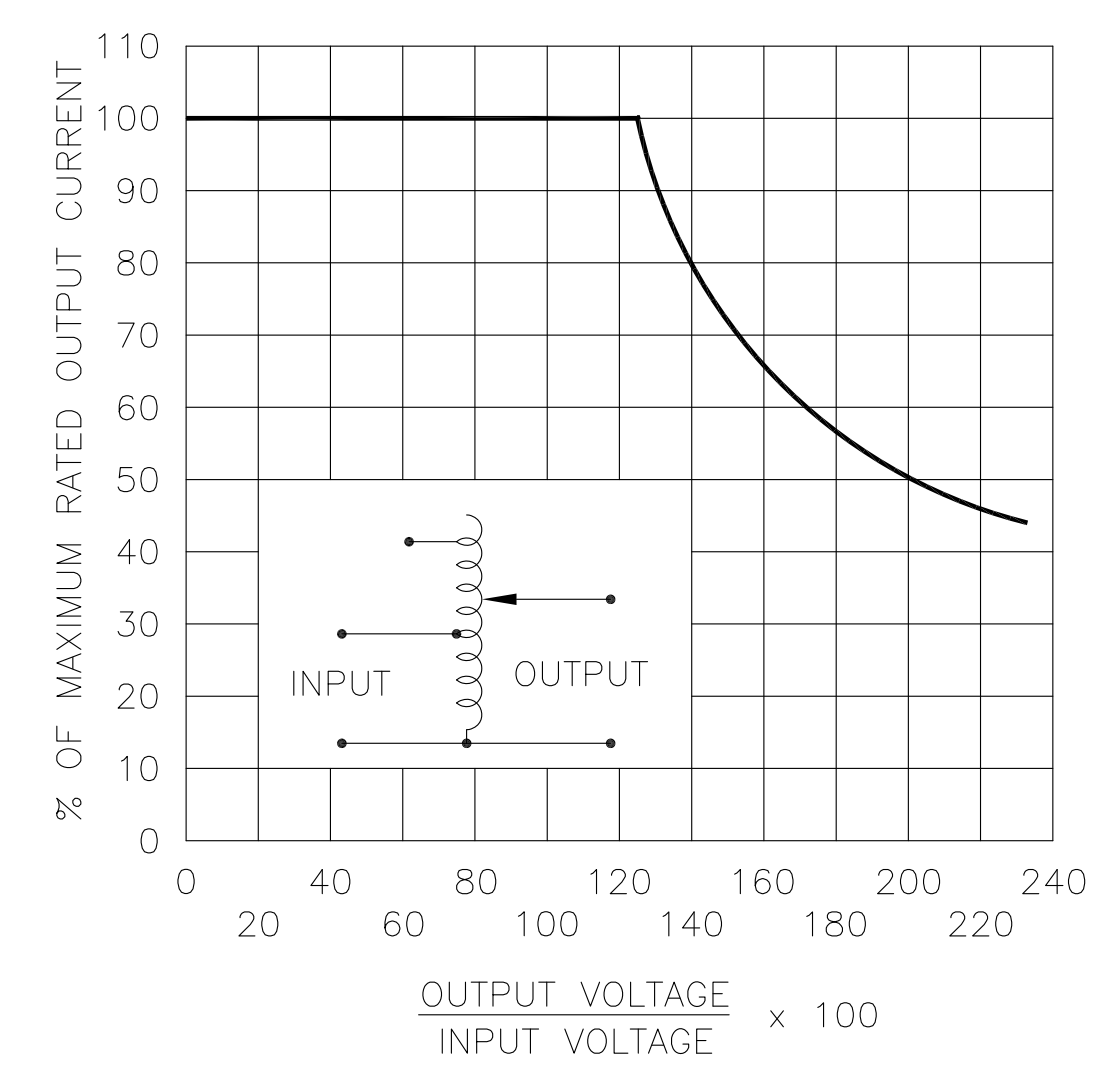
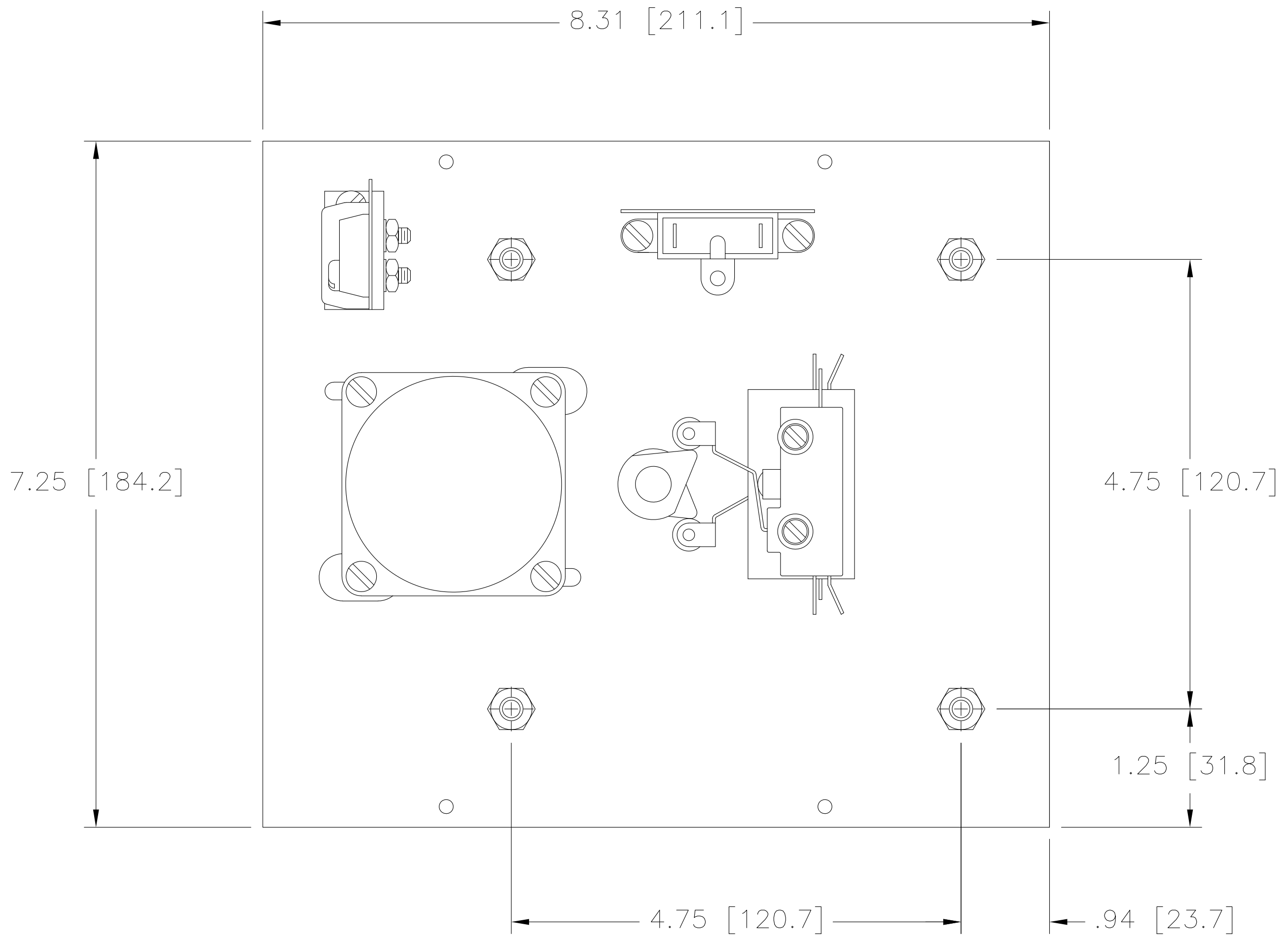
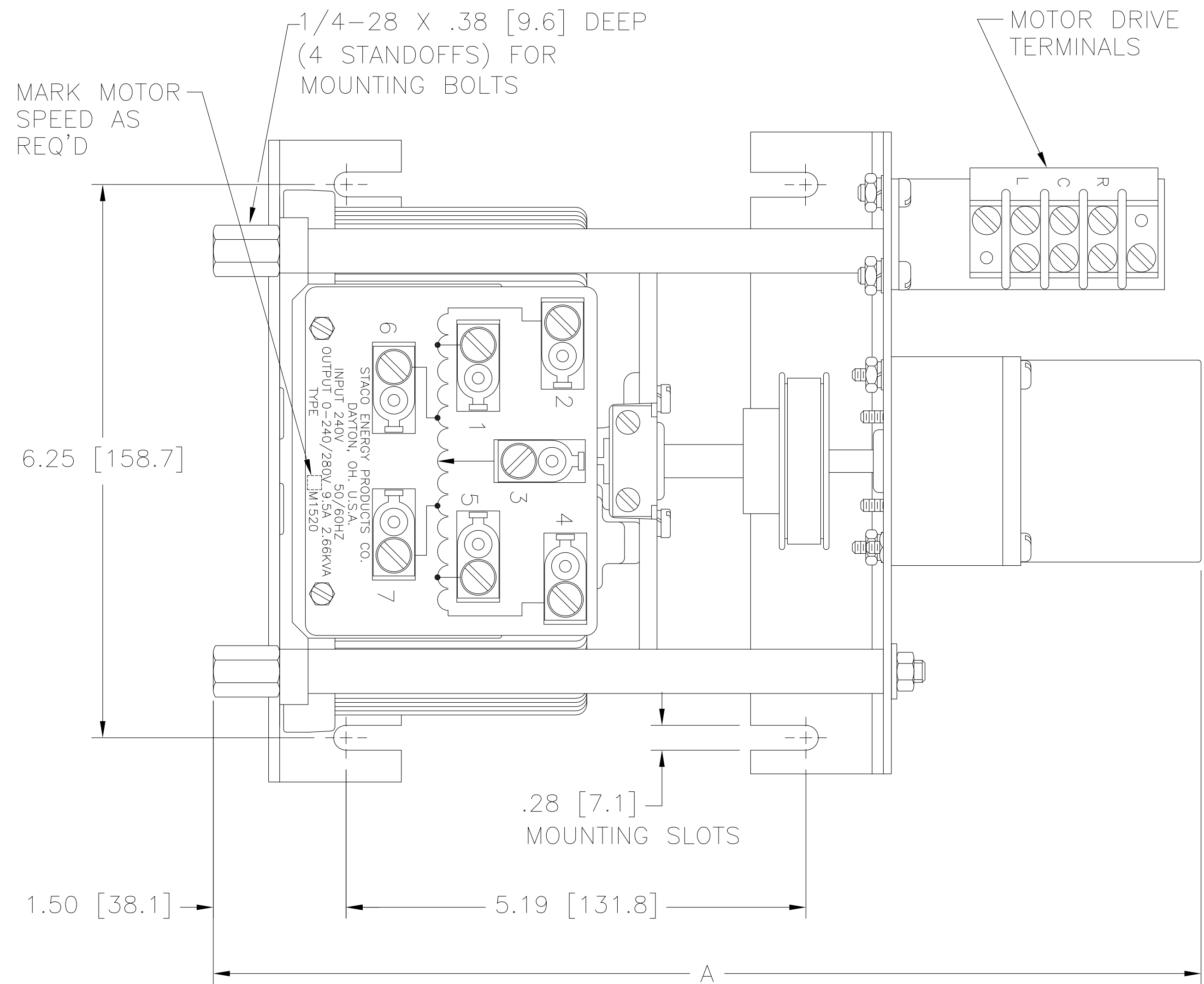
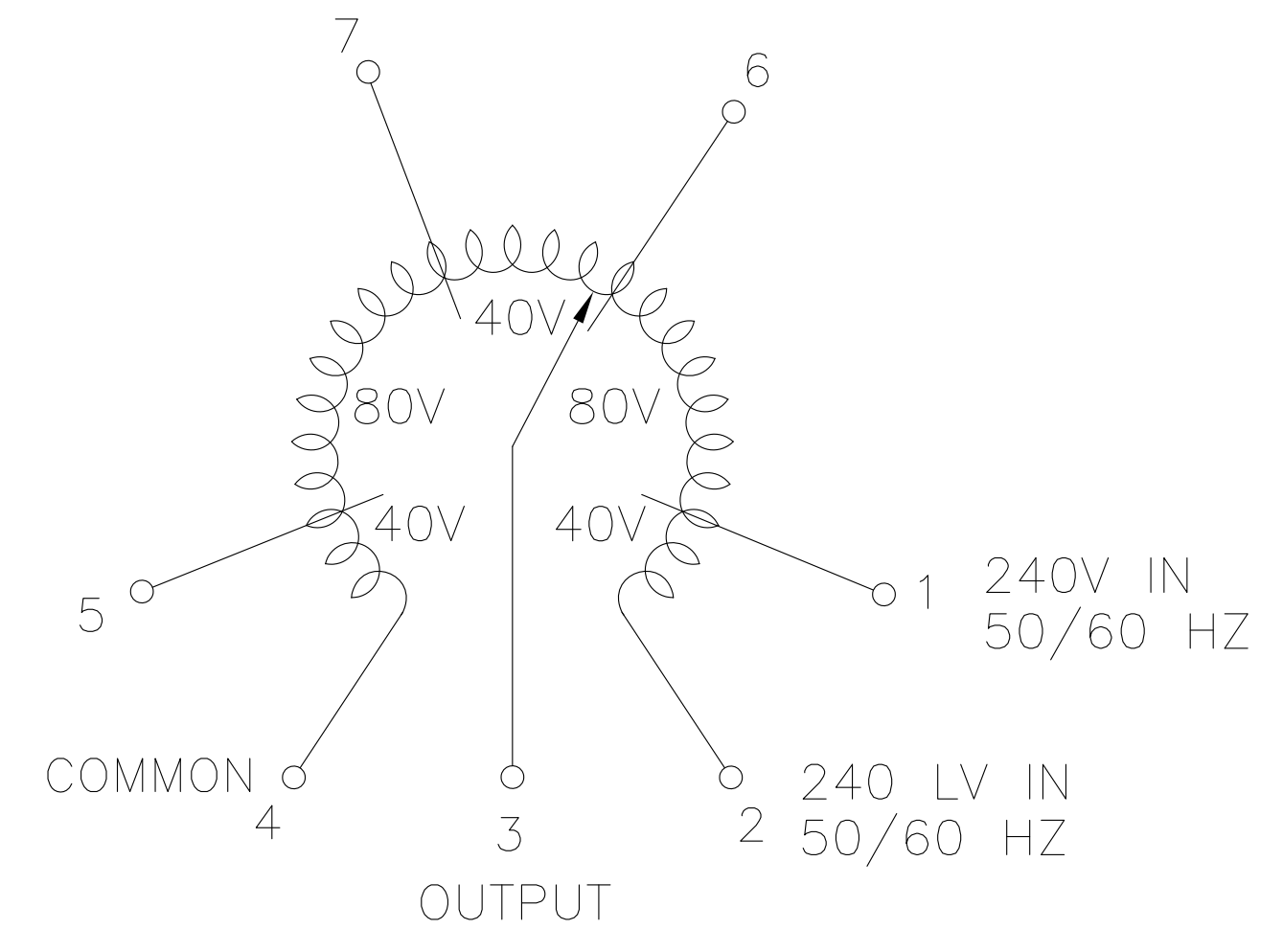


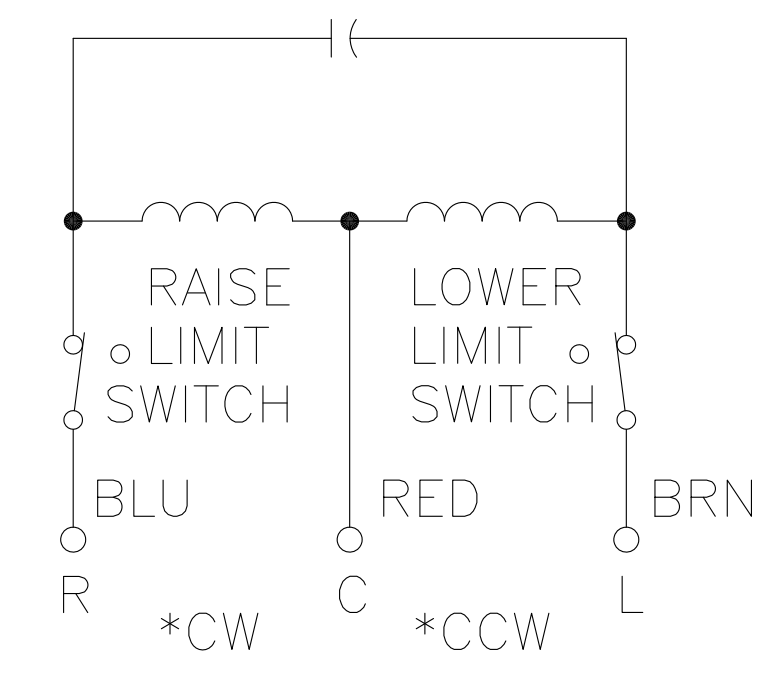
DWG. NO.	031-4001		
REVISIONS			
SYM.	E.C.O.	DATE	APVD.
A	23002	11/28/95	REDRAWN ON CAD
B	23311	1/21/97	REVISED & UPDATED
C	23899	12/17/98	ADDED DIM. A
D	25516	2/18/05	ADDED MOTOR SPD. NOTE
E	28873	6/22/17	CORRECTED NOTE "#"



**FIGURE A**  
 MAXIMUM OUTPUT CURRENT OF ANY DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER UNIT OPERATED AT LOWER INPUT VOLTAGE.



**SCHEMATIC**  
 VIEW FROM BASE END



**MOTOR CIRCUIT**  
 120V, 50/60 HZ  
 \* ROTATION AS VIEWED FROM MOTOR END  
 MOTOR SPEED: SEE CHART

**NOTES:**  
 § MAXIMUM KVA AT MAXIMUM OUTPUT VOLTAGE AND CORRESPONDING DERATED OUTPUT CURRENT. MAXIMUM KVA FOR LOWER VOLTAGES MAY BE CALCULATED FROM DERATING CURVE FIGURE A.  
 # MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, OUTPUT CURRENT MUST BE REDUCED ACCORDING RATING CURVE, FIGURE A.  
 † MOTOR DRIVEN UNITS USE TERMINAL CONNECTIONS FOR C.C.W. INCREASING VOLTAGE. AS VIEWED FROM THE BASE END.

SPEED (SECONDS)	MODEL NUMBER	DIMENSION "A"
5	5M1520	11.16 [283.5]
15	15M1520	11.16 [283.5]
30	30M1520	11.55 [293.4]
60	60M1520	11.55 [293.4]

WIRING	INPUT		OUTPUT				SHAFT ROTATION FOR VOLTAGE INCREASE	TERMINAL CONNECTIONS †							
	VOLTS	HERTZ	VOLTS	CONSTANT CURRENT LOAD MAX AMPS	CONSTANT IMPEDANCE LOAD MAX KVA	MAX AMPS		MAX KVA	(FOR INCREASING VOLTAGE) AS VIEWED FROM BASE END						
SINGLE PHASE	240	50/60	0-240	9.5	2.28	12	2.88	CW	2-4	-	4-3				
			0-280	9.5	2.66	-	-	CCW	2-4	-	2-3				
	120	50/60	0-280	9.5#	1.14 §	-	-	CW	1-4	-	4-3				
			0-280	9.5#	1.14 §	-	-	CCW	5-2	-	2-3				
											CCW	7-4	-	4-3	
												CCW	6-2	-	2-3

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± DECIMALS: HOLES .005 ANGLES DRAFT 1° 1-1/2° MATERIAL: ALL DIMENSIONS APPLY AFTER PLATING

TITLE: SPEC. CONTROL DRAWING VARIABLE TRANSFORMER TYPE: M1520

DRAWN BY: TIM RAU DATE: 1/21/97 FIRST USED ON: DO NOT SCALE DWG.

CHECKER: DATE: WEIGHT APPROX: 29.5 LBS CASE CODE: 83008

ENGINEER: DATE: SCALE: 1=1 SHEET 1 OF 1

**STACO ENERGY PRODUCTS CO.**  
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DWG. NO. 031-4001