

ELECTRICAL CONNECTION DIAGRAMS KAMAG 11, KAMAG 14 AND KAMAG 18 GENERATORS WITH KCR VOLTAGE REGULATORS

- NOTE 1 CAUTION: UNIT MUST BE GROUNDED IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES; GENERATOR NEUTRAL IS FACTORY GROUNDED TO GENERATOR FRAME
- NOTE 2 SEE VOLTAGE RANGE CHART FOR APPLICABLE CONNECTION DIAGRAM. CONDUCTORS SHOWN AS DASHED LINES TO BE INSTALLED BY THE USER OF THE GENERATOR. CHECK ALL CONNECTIONS INCLUDING THOSE MADE TO VOLTAGE REGULATOR BEFORE OPERATING GENERATOR SET.
- NOTE 3 CONNECTION OF OPTIONAL REGULATOR ON-OFF SWITCH IS SHOWN IN FIGURE 1A.
- NOTE 4 CONNECTION OF OPTIONAL FIELD CIRCUIT BREAKER IS SHOWN IN FIGURE 1B.
- NOTE 5 IN APPLICATIONS WHERE PARALLEL OPTION IS NOT PROVIDED, A JUMPER MUST BE INSTALLED ACROSS TERMINALS CT1 AND CT2. IN THREE PHASE APPLICATIONS WHERE PARALLEL OPERATION VOLTAGE DROOP OPTION IS PROVIDED, REMOVE JUMPER AND CONNECT THE VOLTAGE DROOP CIRCUIT AS SHOWN IN FIGURE 1C. CURRENT TRANSFORMER MUST BE IN PHASE B LINE. FOR PARALLEL OPERATIONS OF GENERATORS CONNECTED SINGLE PHASE, CONSULT FACTORY.
- NOTE 6 VOLTAGE REGULATOR POWER (TERMINALS P1 AND P2) MUST BE 50/60 HERTZ 100 TO 139 VAC, SINGLE PHASE. SENSING TERMINALS E1 AND E3 IS SET FOR 240 VAC NOMINAL. TO OBTAIN GOOD REGULATION ON SOME 50 HERTZ CONNECTIONS, IT MAY BE NECESSARY TO RESET SENSING ON KCR-360 VOLTAGE REGULATOR FOR 208 VAC. CONSULT REGULATOR MANUAL FOR PROCEDURE.
- NOTE 7 WHEN OPERATING ON A 3 WIRE GROUNDED LEG DELTA SYSTEM, REMOVE LEADS 4, 7 AND L2 LEADS FROM GROUND STUD, BOLT THEM TOGETHER AND INSULATE THEM. THEN CONNECT THE DESIRED PHASE LEADS TO GROUND STUD.
- NOTE 8 CAUTION: EXCITER FIELD CIRCUIT IS NOT ISOLATED. DO NOT ATTEMPT TO MANUALLY FLASH GENERATOR FIELD WHILE GENERATOR IS ROTATING.
- NOTE 9 LEAD MARKINGS SHOWN GIVES A-B-C PHASE ROTATION WHEN THE GENERATOR IS ROTATING CCW, AS VIEWED FROM THE EXCITER END. (CW FACING DRIVE END).
- * APPLIES TO REGULATOR MODEL KCR-360 ONLY

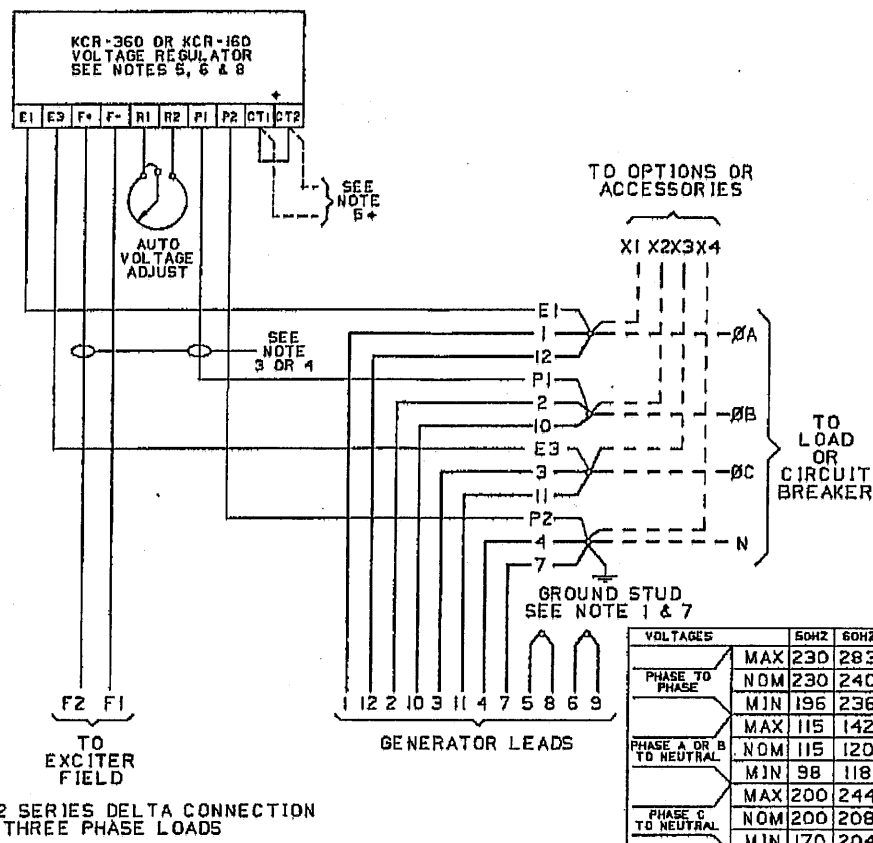


FIGURE 2 SERIES DELTA CONNECTION THREE PHASE LOADS

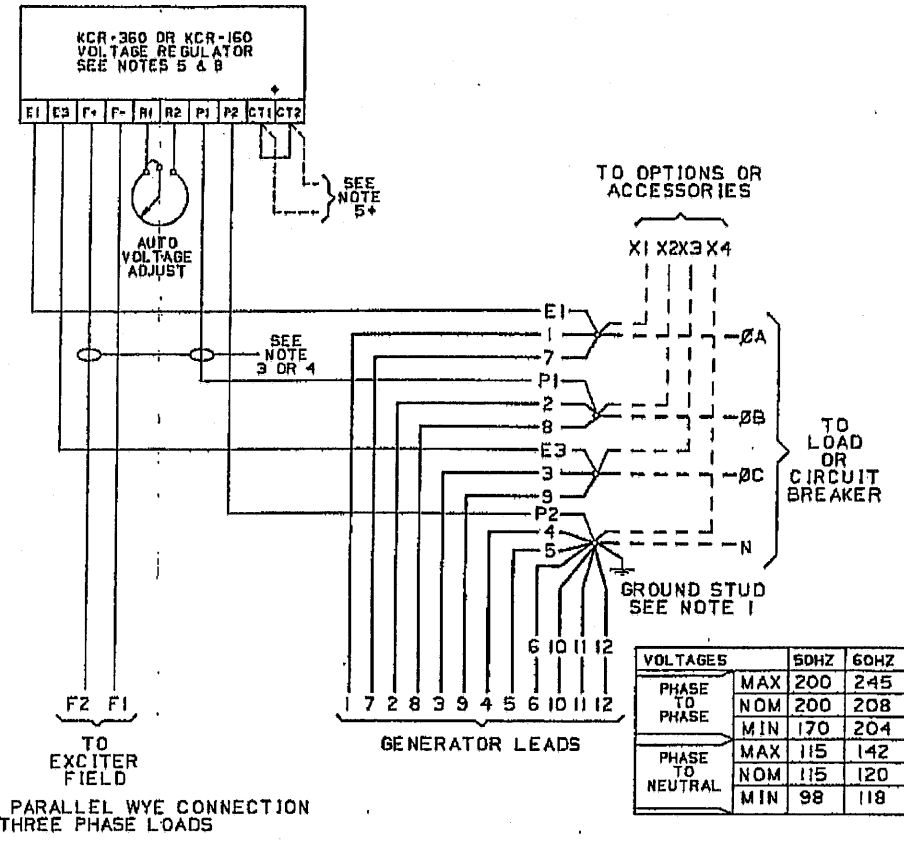


FIGURE 3 PARALLEL WYE CONNECTION THREE PHASE LOADS

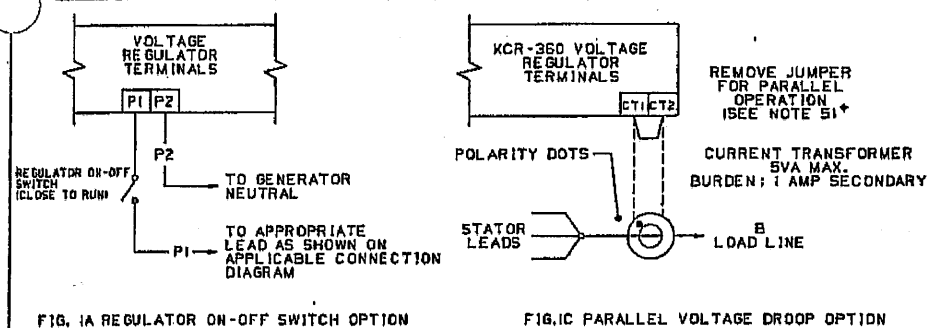


FIG. 1A REGULATOR ON-OFF SWITCH OPTION

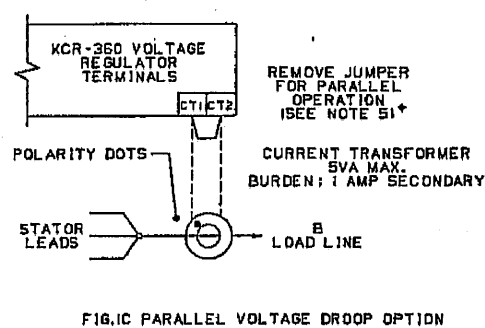


FIG. 1C PARALLEL VOLTAGE DROOP OPTION

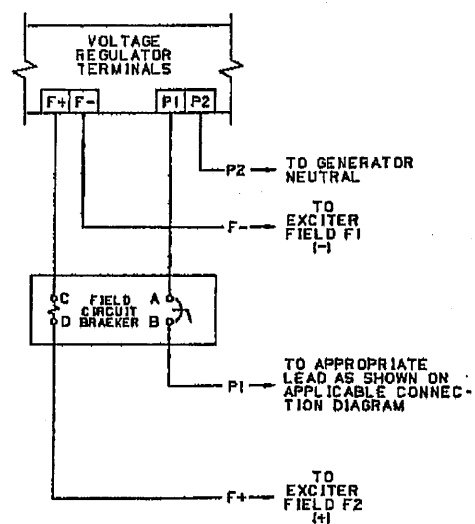


FIG. 1B FIELD CIRCUIT BREAKER OPTION

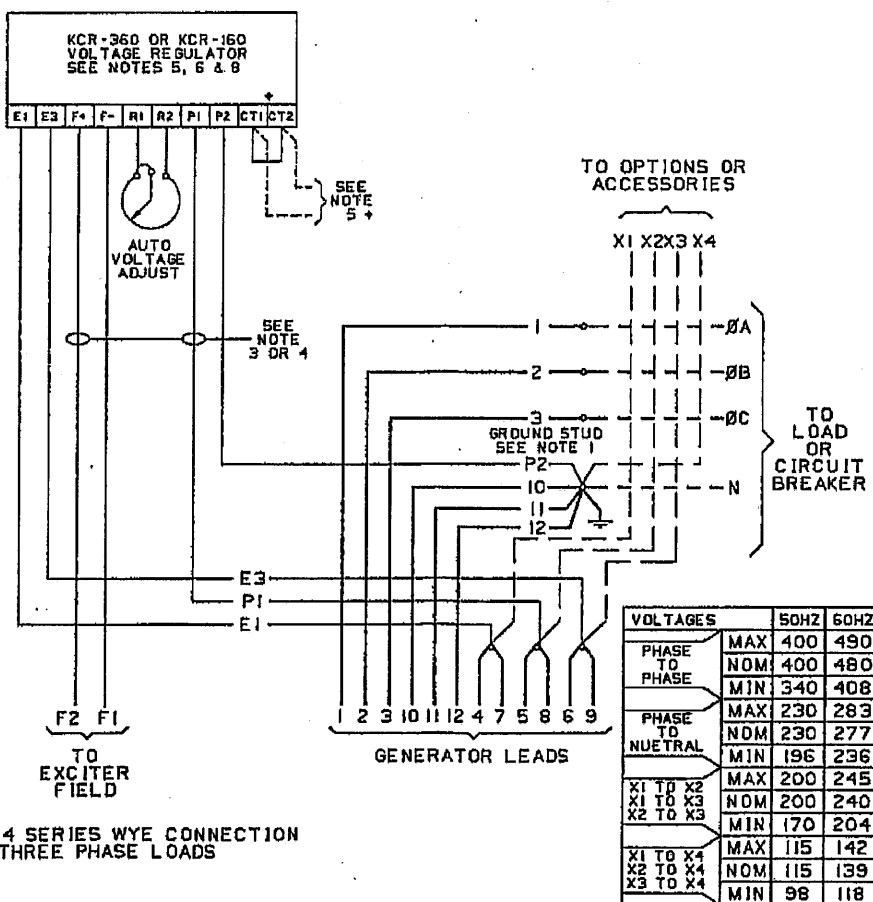


FIGURE 4 SERIES WYE CONNECTION THREE PHASE LOADS

TESTED AT FACTORY AS ILLUSTRATED IN FIGURE

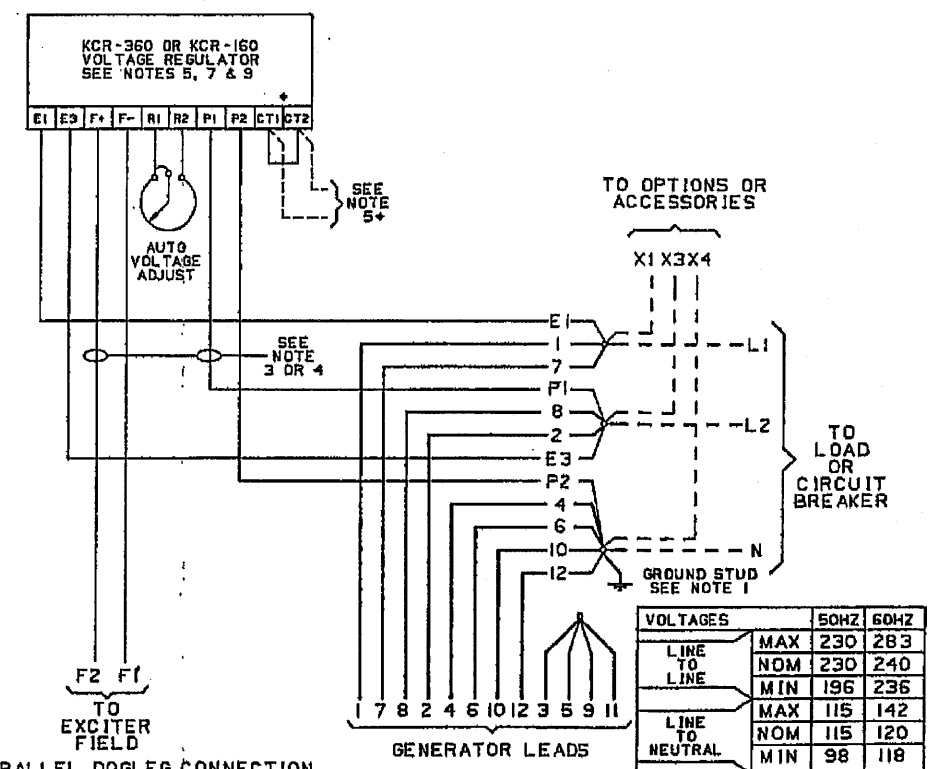


FIGURE 5 PARALLEL DOGLEG CONNECTION SINGLE PHASE LOADS

CERTIFIED FOR		REVISED	
B	42871	RAM	RCK HWE B-3-88
A		ORIGINAL	
DISTRIBUTION: RAG, REK, RIV, RRC, RSK		REVISED ENGR DR CK DATE	
TITLE		SCALE	
DRAWING NUMBER		SHEET NO. OF 1	
DATE		SIGN	
GENERATOR CONTROLS		P8800-728	