

# ELECTRICAL CONNECTION DIAGRAMS KAMAG 22. WITH KCR-360 VOLTAGE REGULATORS

- NOTE 1 CAUTION: UNIT MUST BE GROUNDED IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES.
- 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 & CT2. IN THREE PHASE APPLICATIONS WHERE PARALLEL OPERATION VOLTAGE DROOP OPTION IS PROVIDED, REMOVE JUMPER AND CONNECT THE VOLTAGE DROOP CIRCUIT AS SHOWN IN FIG. 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 & P2) MUST BE 50/60 HZ, 100 TO 139 VAC SINGLE PHASE. SENSING (TERMINALS E1 & E3) IS SET FOR 240 VAC NOMINAL. TO OBTAIN GOOD REGULATION ON SOME 50 HZ CONNECTIONS, IT MAY BE NECESSARY TO RESET SENSING ON KCR-360 VOLTAGE REGULATOR FOR 208 VAC. CONSULT REGULATOR MANUAL FOR PROCEDURE.
- NOTE 7 CAUTION: EXCITER FIELD CIRCUIT IS NOT ISOLATED. DO NOT ATTEMPT TO MANUALLY FLASH GENERATOR FIELD WHILE GENERATOR IS ROTATING.
- NOTE 8 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).

FIGURE 3  
10 WIRE PARALLEL WYE  
THREE PHASE LOADS

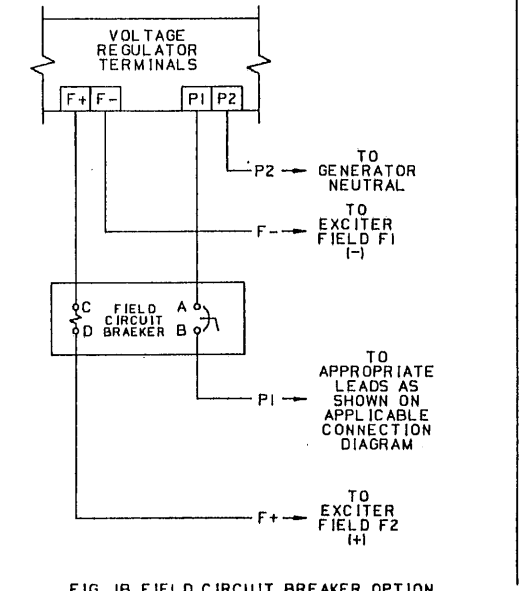
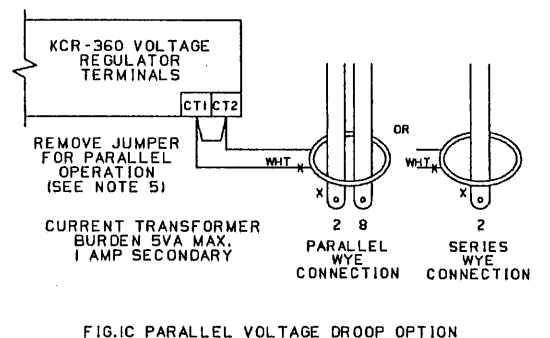
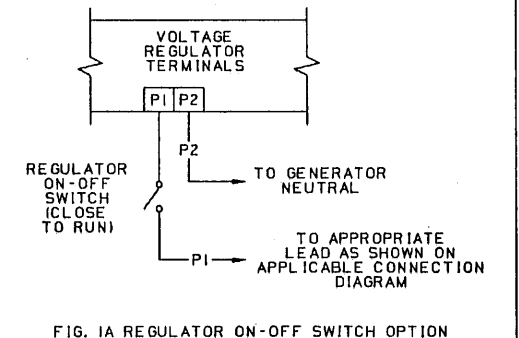
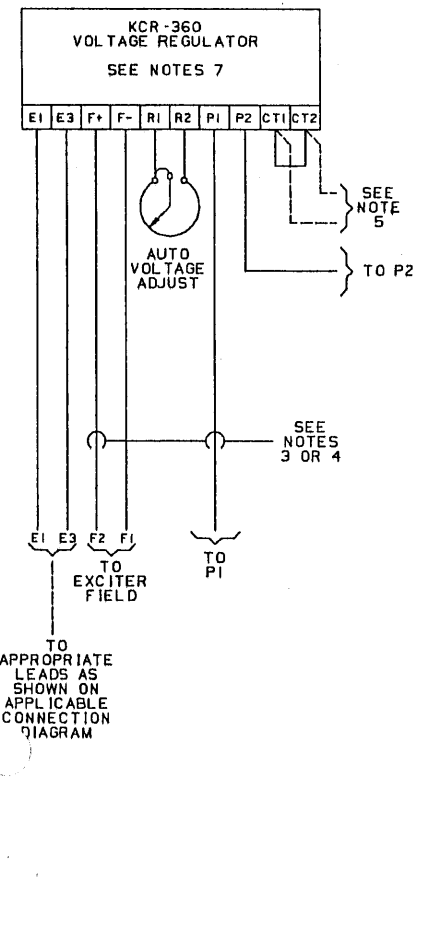
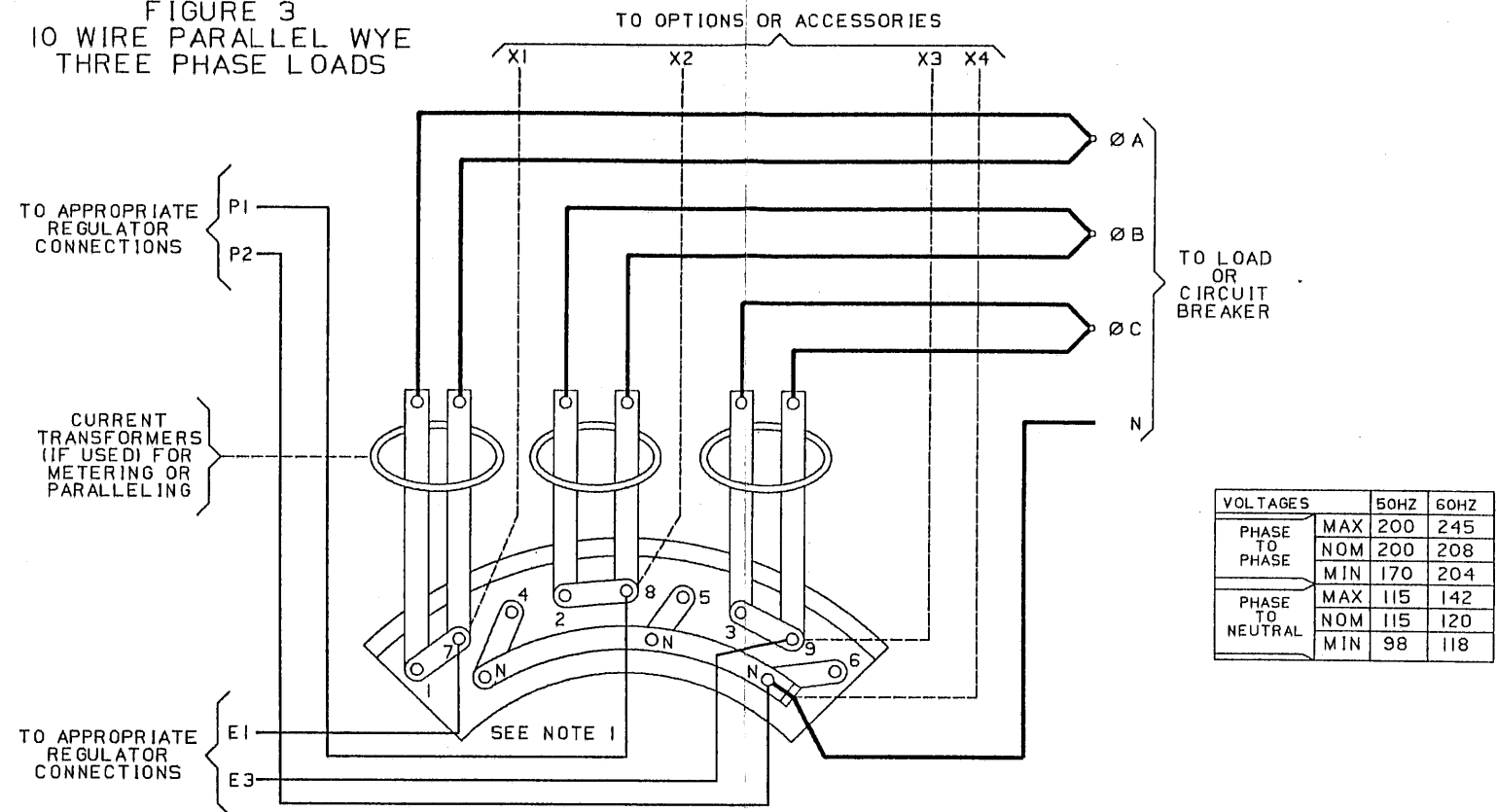
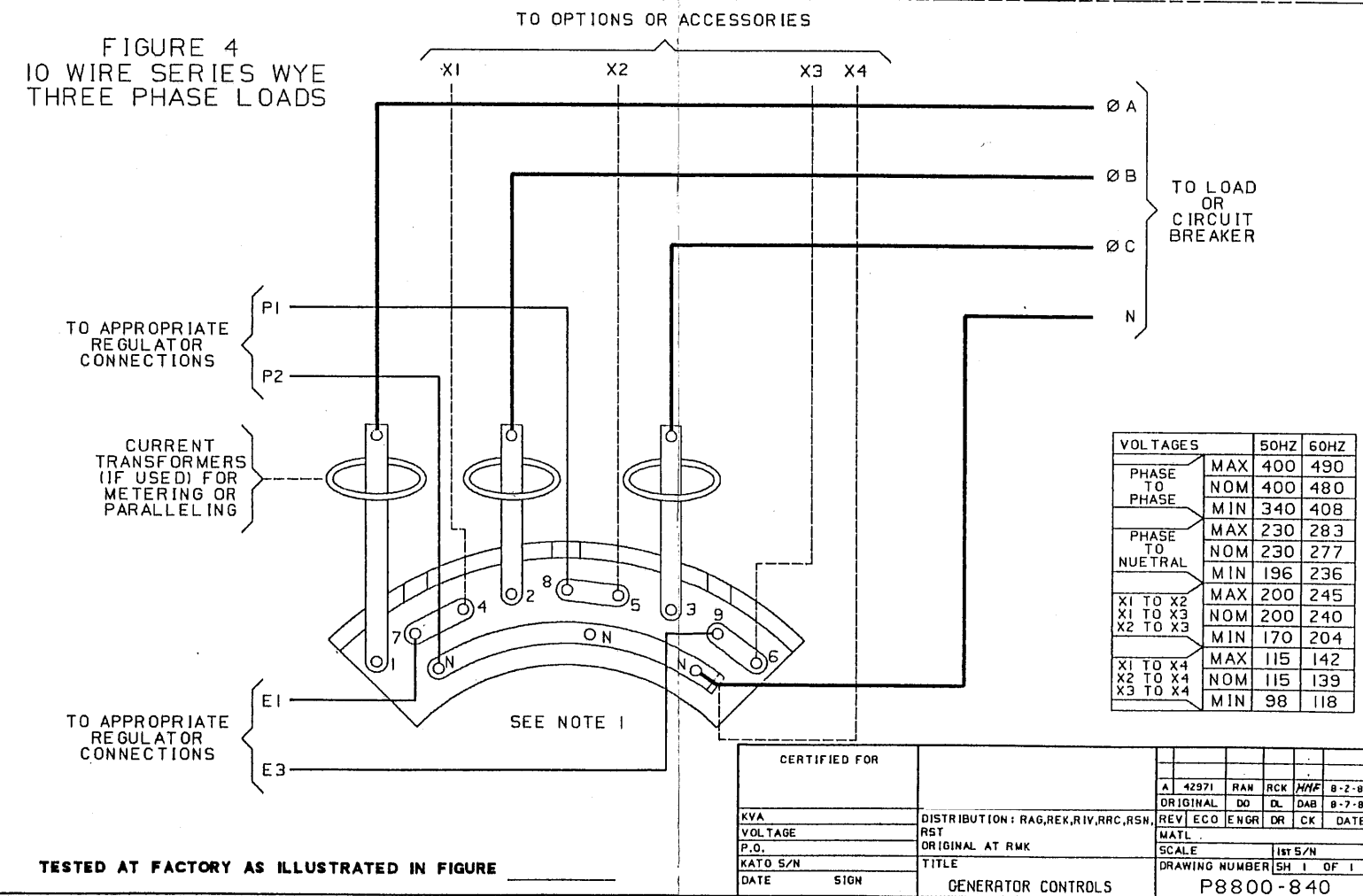


FIGURE 4  
10 WIRE SERIES WYE  
THREE PHASE LOADS



TESTED AT FACTORY AS ILLUSTRATED IN FIGURE

CERTIFIED FOR		A 42971 RAN RCK MWF 8-2-88	
KVA	DISTRIBUTION: RAG,REX,RIV,RR,CSN	ORIGINAL DO DL DAB 8-7-85	REV  ECO ENGR DR CK DATE
VOLTAGE	RST	SCALE	1ST 5/N
P.O.	ORIGINAL AT RMK	DRAWING NUMBER	SH 1 OF 1
KATO S/N	TITLE	P8800-840	
DATE	SIGN	GENERATOR CONTROLS	