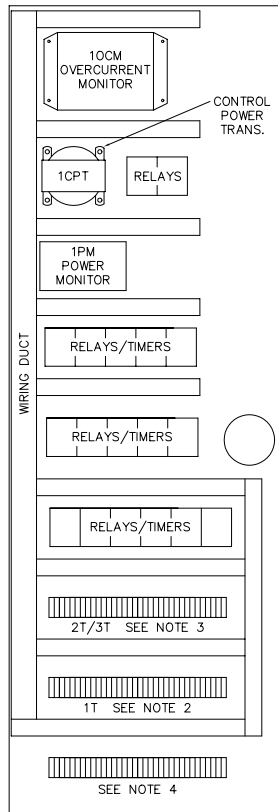
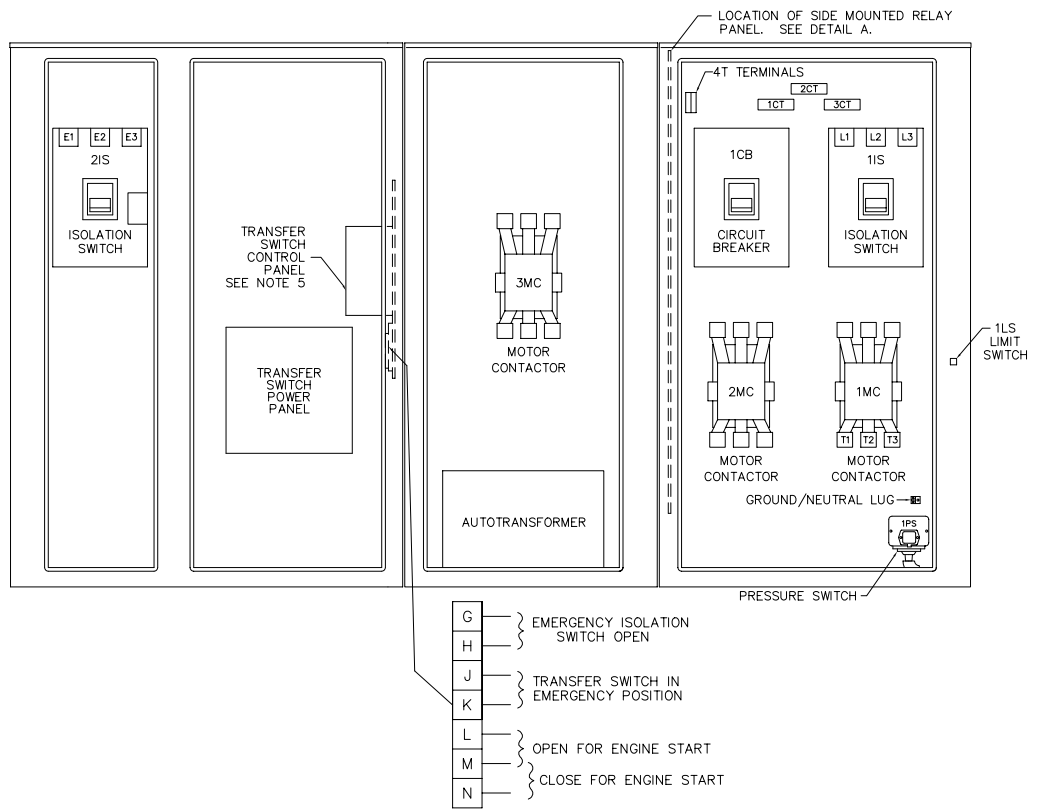


17\*  
FIELD  
TERMINALS

- 1 } 1 N.O. CONTACT. OPENS ON LOSS OF CONTROLLER POWER
- 2 } 2
- 3 } 3 N.C. CONTACT. CLOSES ON LOSS OF CONTROLLER POWER
- 4 } 4
- 5 } 5 N.O. CONTACT. CLOSES WHEN PUMP RUNNING
- 6 } 6
- 7 } 7 N.C. CONTACT. OPENS WHEN PUMP RUNNING
- 8 } 8
- 9 } 9 REMOTE START. PUMP WILL START WHEN SWITCH CLOSES
- 10 } 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18 } 18 N.O. CONTACT. CLOSES ON PHASE REVERSAL
- 19 } 19
- 20 } 20 N.C. CONTACT. OPENS ON PHASE REVERSAL
- 21 } 21 N.O. CONTACT. OPENS ON MOTOR OVERLOAD
- 22 } 22
- 23 } 23 N.C. CONTACT. CLOSES ON MOTOR OVERLOAD



DETAIL A  
SIDE MOUNTED  
RELAY PANEL

NOTES:

1. POWER MONITOR SIGNALS ANY OF THE FOLLOWING FAILURES:  
LOW VOLTAGE  
LOSS OF VOLTAGE  
PHASE REVERSAL
- \* 2. 1T FIELD TERMINALS ARE LOCATED AT BOTTOM OF SIDE MOUNTED RELAY PANEL. SEE DETAIL A
3. 2T, 3T & MANUAL STOP JUMPER ARE LOCATED IN THIS AREA.
4. EXTRA (OPTIONAL) TERMINALS ARE LOCATED IN THIS AREA.
5. SEE ASCO OPERATION MANUAL FOR LOCATION OF DIP SWITCHES.

	VOLTS AC					PRIMARY WIRE SIZE	
	200V	208V	220V - 240V	380V - 415V	440V - 480V	LINE TERMINAL WIRE SIZE PER PHASE	SERVICE ENTRANCE GROUND LUG WIRE SIZE
MAXIMUM MOTOR HORSEPOWER	250 HP	250 HP	250 HP	400 HP	500 HP	(3) #3/0-400 MCM	(2) #6-250 MCM
	300 HP	300 HP	300 HP	600 HP	700 HP	(4) #4/0-500 MCM	(2) #6-250 MCM

	DRAWN <i>SR</i>	5-22-98	<b>METRON, INC.</b> DENVER, CO.
	CHECK <i>KH</i>	5-22-98	
	APPD <i>J.C.D.</i>	5-22-98	
INTERNAL LAYOUT & EXTERNAL HOOKUP MODEL M450, UTILITY/GEN-SET ELECTRIC FIRE PUMP CONTROLLER WITH ASCO TRANSFER SWITCH, GROUP 1			CH33041C
			SCALE N.T.S SHEET 1 OF 1