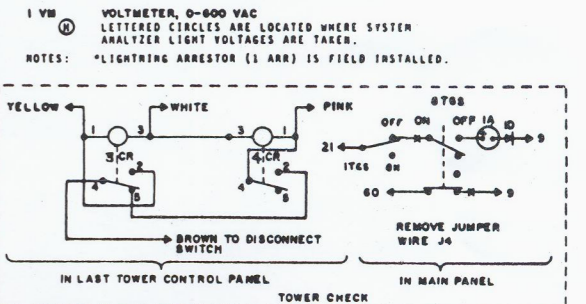
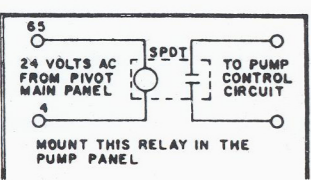


- 1 A ANKHEIT, TOWER READ OUT
  - 1 AAR LIGHTNING ARRESTOR
  - 1 CAP CAPACITOR, 250 MFD, 75 VDC
  - 1 CR CONTROL RELAY, UNIFORM PRECIPITATION
  - 2 CR CONTROL RELAY, BOOSTER PUMP
  - 3 CR CONTROL RELAY, SAFETY CIRCUIT
  - 4 CR CONTROL RELAY, SAFETY CIRCUIT
  - 5 CR CONTROL RELAY, INTERLOCK
  - 6 CR CONTROL RELAY, INTERLOCK
  - 1 CR/LP/R CONTROL RELAY, LATCHING
  - 1 CR/D SYSTEM
  - 1 D DIODE, 600V 1.5A
  - 1 DISC MAIN DISCONNECT
  - 2 DISC DISCONNECT, FIRST & INTERMEDIATE TWR. BOX
  - 3 DISC DISCONNECT, NEXT TO LST. TWR. BOX
  - 4 DISC DISCONNECT, LAST TOWER BOX
  - 5 DISC DISCONNECT, BOOSTER PUMP CONT. BOX
  - 1 FU MAIN FUSE - 600V TIME DELAY
  - 2 FU FUSE, CONTROL CIRCUIT TRANSFORMER, 500 VAC
  - 5 FU FUSE, BRANCH CIRCUIT, FIRST & INTERMED. TWR. BOX, - 500V T.O. 6P
  - 6 FU FUSE, BRANCH CIRCUIT, NEXT TO LST. TWR. BOX - 500V TIME DELAY
  - 7 FU FUSE, BRANCH CIRCUIT, LAST TOWER BOX - 500V TIME DELAY
  - 8 FU FUSE, BRANCH CIRCUIT, BOOSTER PUMP - 500V TIME DELAY
  - 1 HR HOUR METER
  - 1 LS LIMIT SWITCH, SAFETY SHUTDOWN, FIRST & INTERMED. TWR. BOX
  - 2 LS LIMIT SWITCH, ALIGNMENT CONT., FIRST & INTERMED. TWR. BOX
  - 3 LS LIMIT SWITCH, SAFETY SHUTDOWN, NEXT TO LST. TOWER BOX
  - 4 LS LIMIT SWITCH, ALIGNMENT CONT., NEXT TO LST. TOWER BOX
  - 5 LS LIMIT SWITCH, END GUN CONTROL
  - 6 LS LIMIT SWITCH, AUTO. REVERSE - FORWARD
  - 7 LS LIMIT SWITCH, AUTO. REVERSE - REVERSE
  - 8 LS LIMIT SWITCH, AUTO. REVERSE - REVERSE TO FORWARD
  - 9 LS LIMIT SWITCH, AUTO. REVERSE - FORWARD TO REVERSE
  - 1 LI END TOWER LIGHT
  - 1 M MOTOR STARTER - FIRST & INTERMEDIATE TWR. BOX
  - 2 M MOTOR STARTER - NEXT TO LAST TOWER BOX
  - 3 M MOTOR STARTER - LAST TOWER BOX
  - 4 M MOTOR STARTER - BOOSTER PUMP - FORWARD
  - 5 M MOTOR STARTER - BOOSTER PUMP - REVERSE
  - 1 HF MAIN CONTACTOR - FORWARD
  - 2 HF MAIN CONTACTOR - REVERSE
  - 1 HTR TOWER MOTOR
  - 2 HTR TOWER MOTOR
  - 3 HTR TOWER MOTOR
  - 4 HTR MOTOR, BOOSTER PUMP
  - 2 PS PRESSURE SWITCH
  - 1.2 RES RESISTOR-500 Ω
  - 3 RES RESISTOR-60K 0.5W POT. P.C. BOARD
  - 4 RES RESISTOR-10K 0.5W POT. P.C. BOARD
  - 1 SOL SOLENOID ELECTRIC END GUN VALVE
  - 1 TGS TOGGLE SWITCH - S.P.D.T., "ON-OFF"
  - 2 TGS TOGGLE SWITCH - S.P.D.T., "MET-DRY"
  - 3 SS SELECTOR SWITCH - 2 M.C.L.B. 2 M.G.E.M. "FOR-REV"
  - 4 TGS TOGGLE SWITCH - S.P.S.T., "PUMP-RUN-START"
  - 5 TGS TOGGLE SWITCH - S.P.S.T., "AUTO. SHUTDOWN/AUTO. REV."
  - 6 TGS TOGGLE SWITCH - S.P.S.T., "AUTO. RESTART "ON-OFF"
  - 7 TGS TOGGLE SWITCH - D.P.S.T., "AUTO. SHUTDOWN/REV. FROM ANY TOWER"
  - 8 TGS TOGGLE SWITCH - D.P.D.T., "TOWER CHECK"
  - 1 T TRANSFORMER, CONTROL, 460/115V/24V, 21-21:115V, 32-33:24V
  - 1 TR TIMER, MAIN PERCENTAGE
  - 2 TR TIMER, STALL
  - 3 TR TIMER, DUAL, AUTO. RESTART
  - 4 TR TIMER, UNIFORM PRECIPITATION
  - 7 TR TIMER, REVERSE TO FORWARD
  - 8 TR TIMER, FORWARD TO REVERSE
  - 9 TR TIMER, REVERSE TO FORWARD
  - 10 TR TIMER, FORWARD TO REVERSE
  - 1 VM VOLTMETER, 0-600 VAC
- LETTERED CIRCLES ARE LOCATED WHERE SYSTEM ANALYZER LIGHT VOLTAGES ARE TAKEN.
- NOTES: \*LIGHTNING ARRESTOR (1 AAR) IS FIELD INSTALLED.



**ELECTRICAL SCHEMATIC**  
COMBINATION MAIN PANEL



10-0199-9 REV. D  
SCHEMATIC, 10 WIRE CONTROL  
CENTER PIVOT, TOGGLE SWITCH