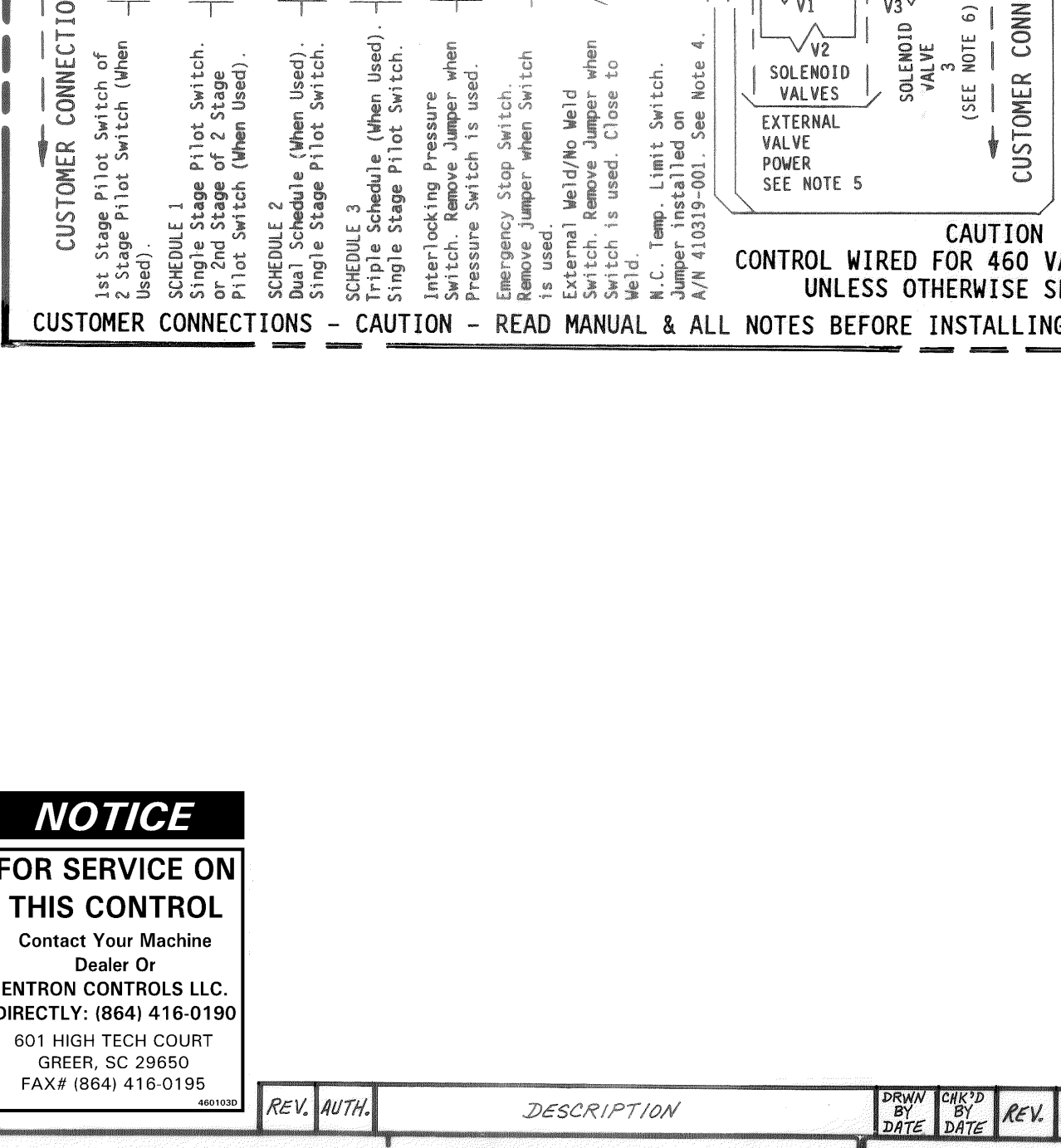
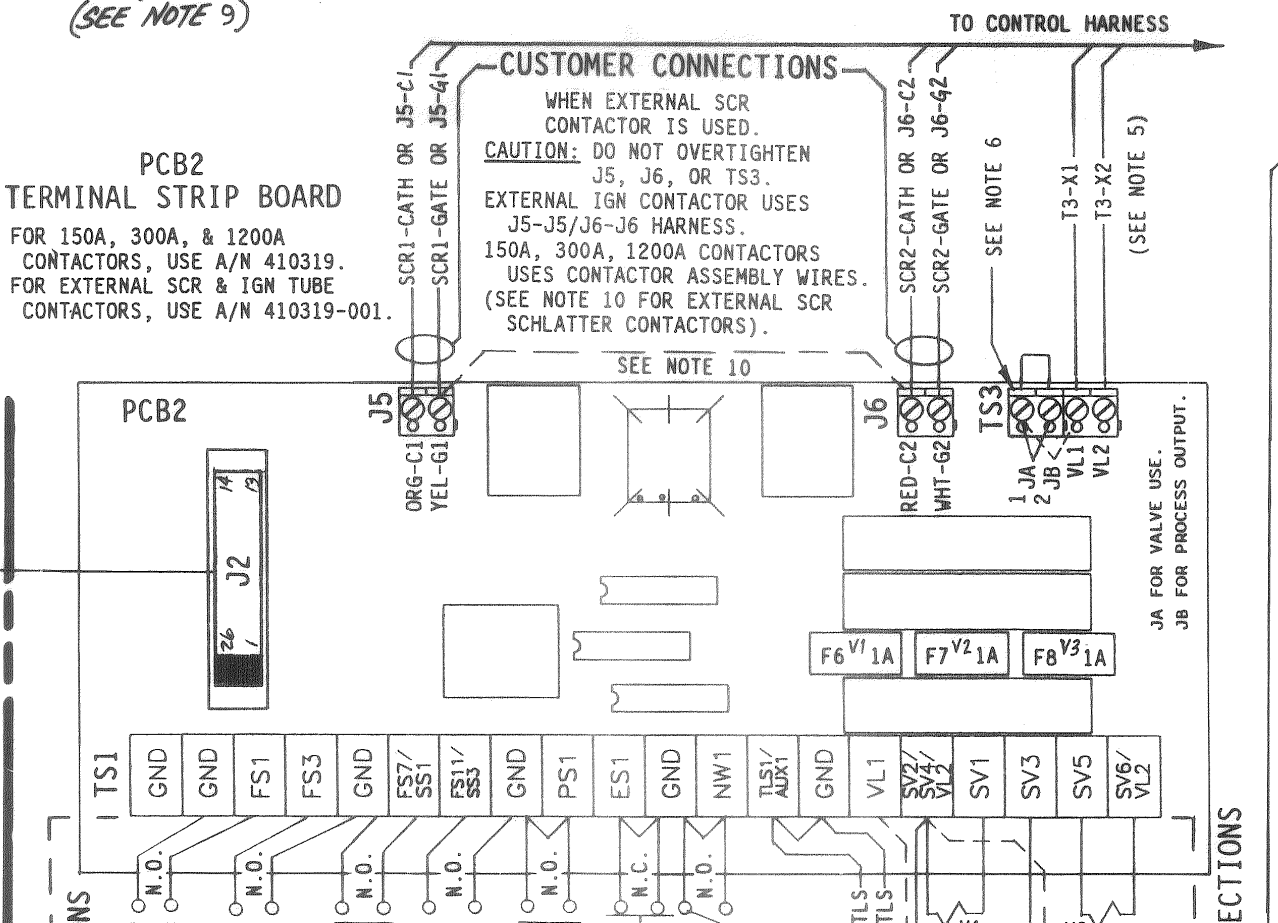
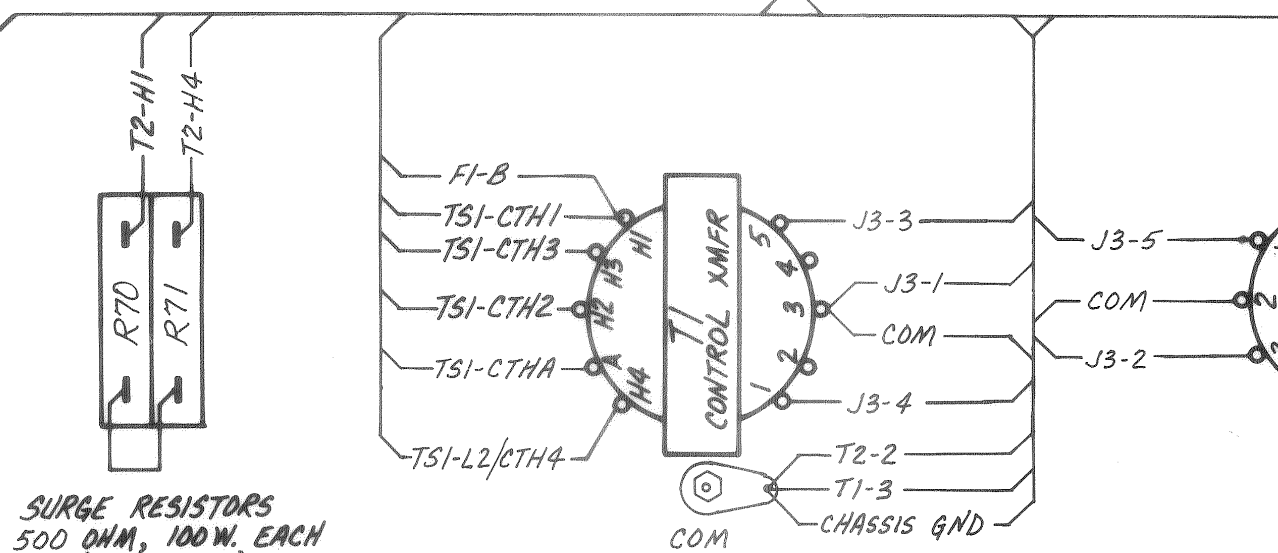
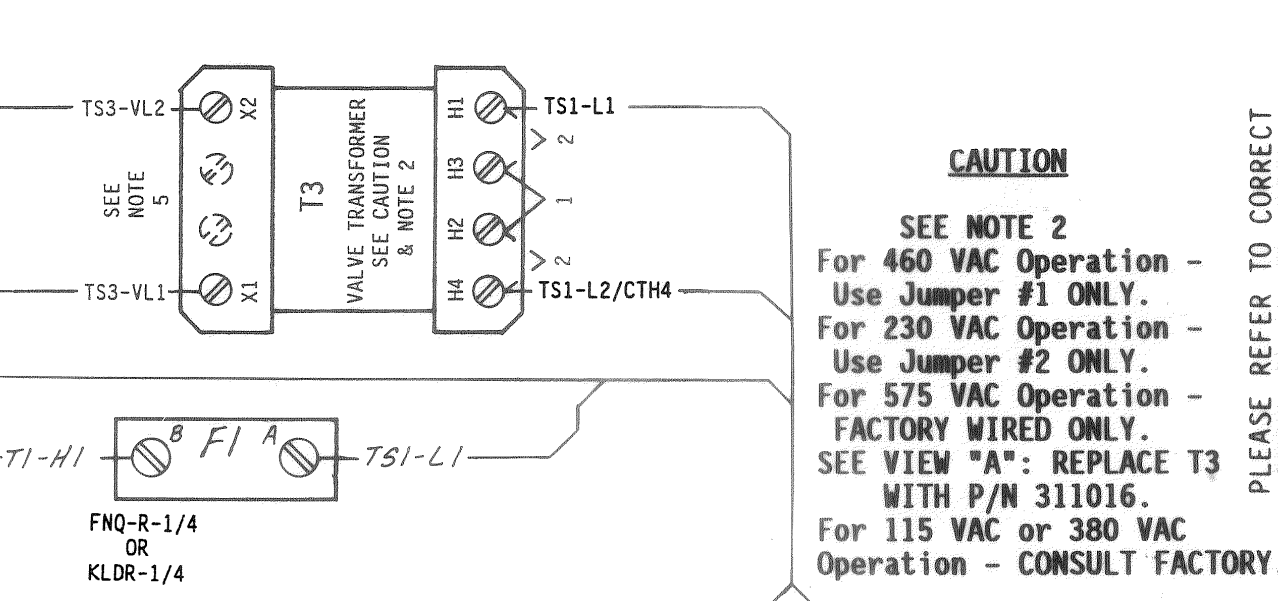
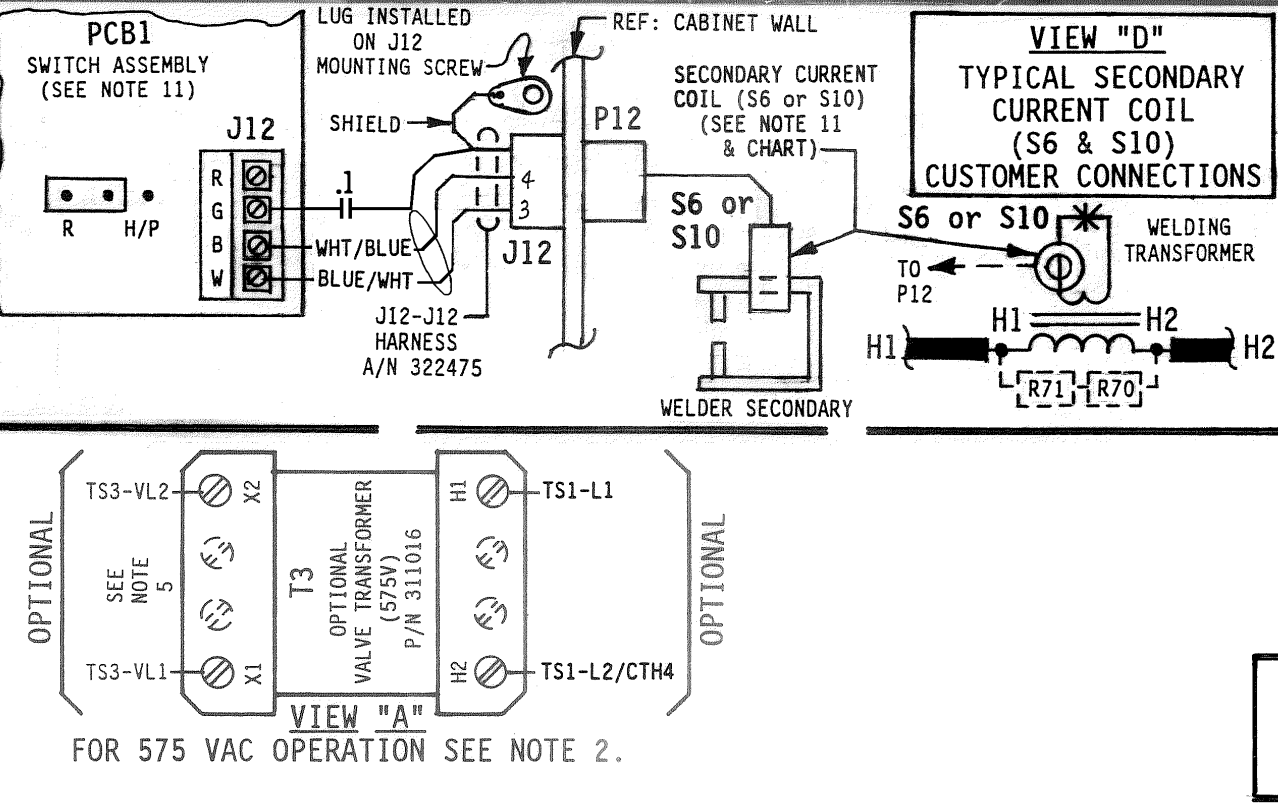
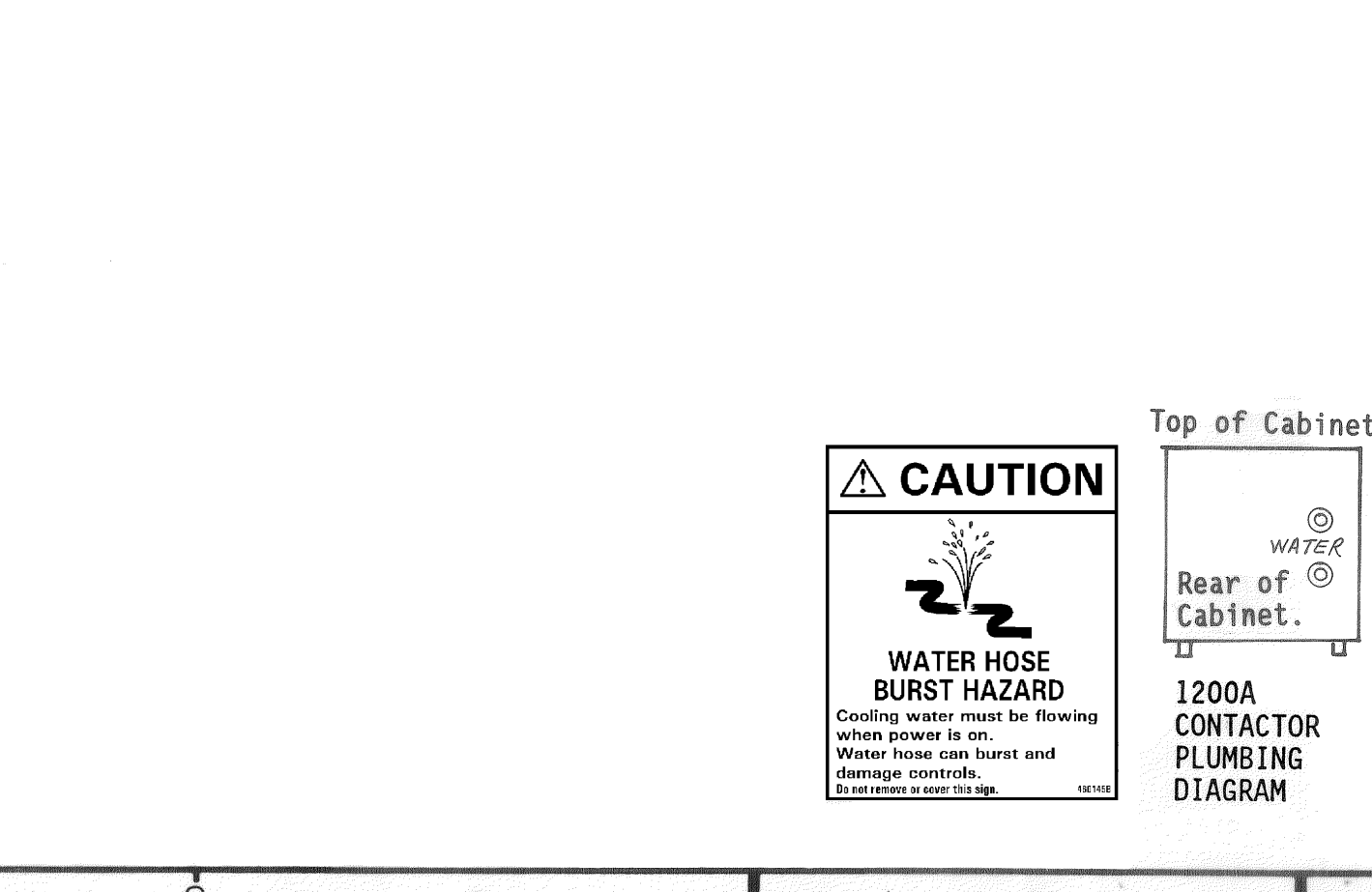
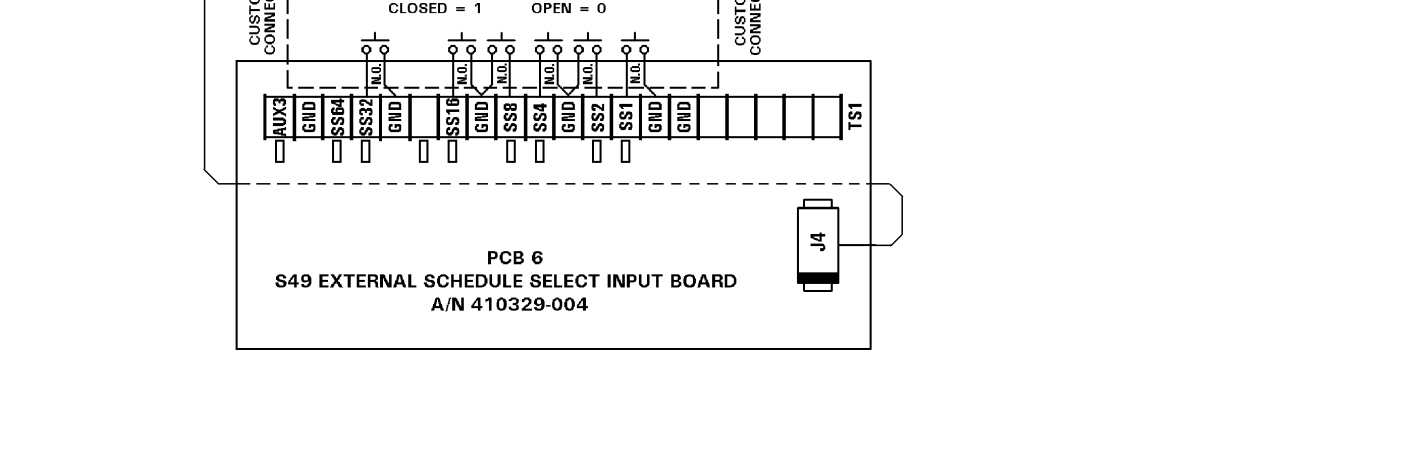
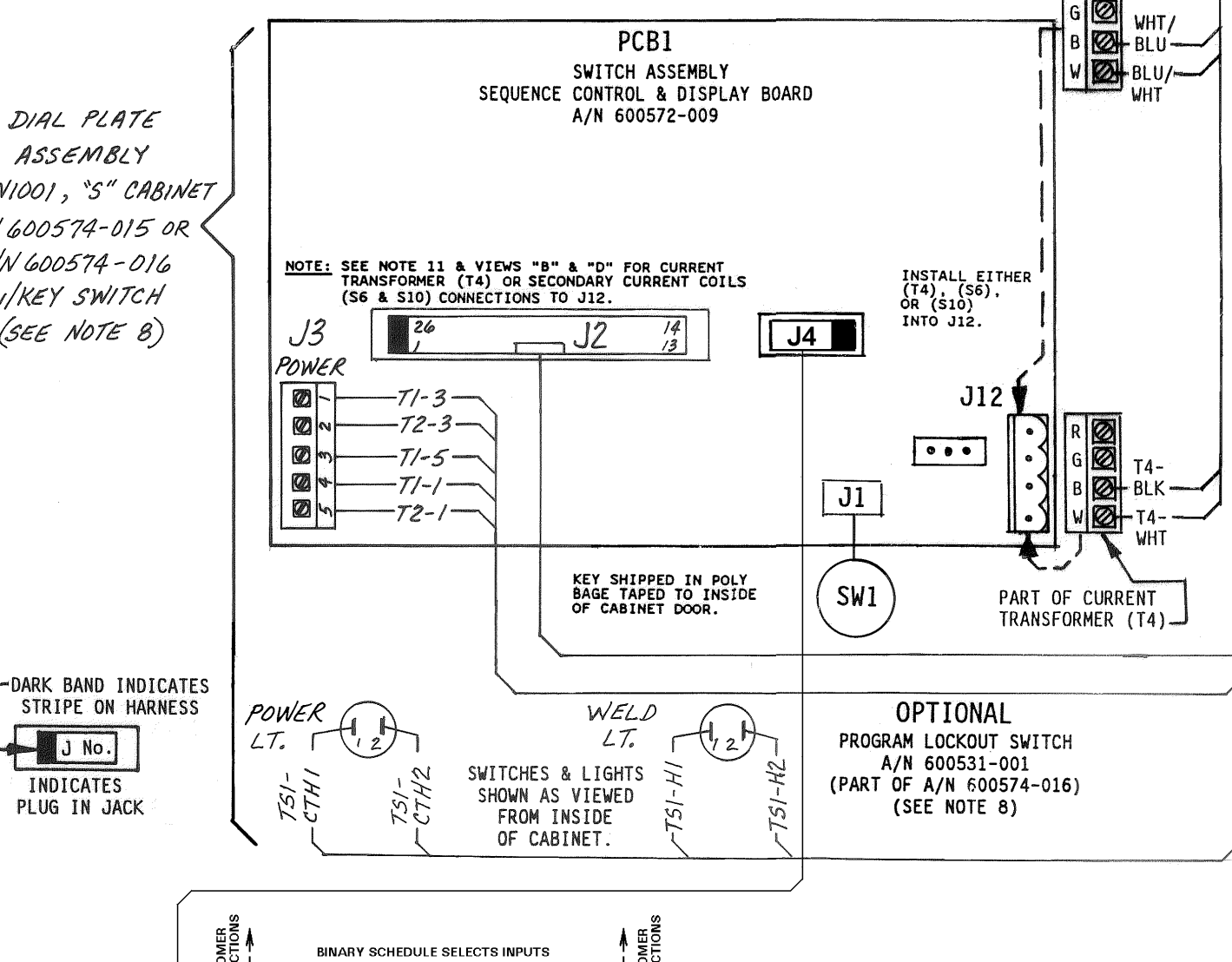
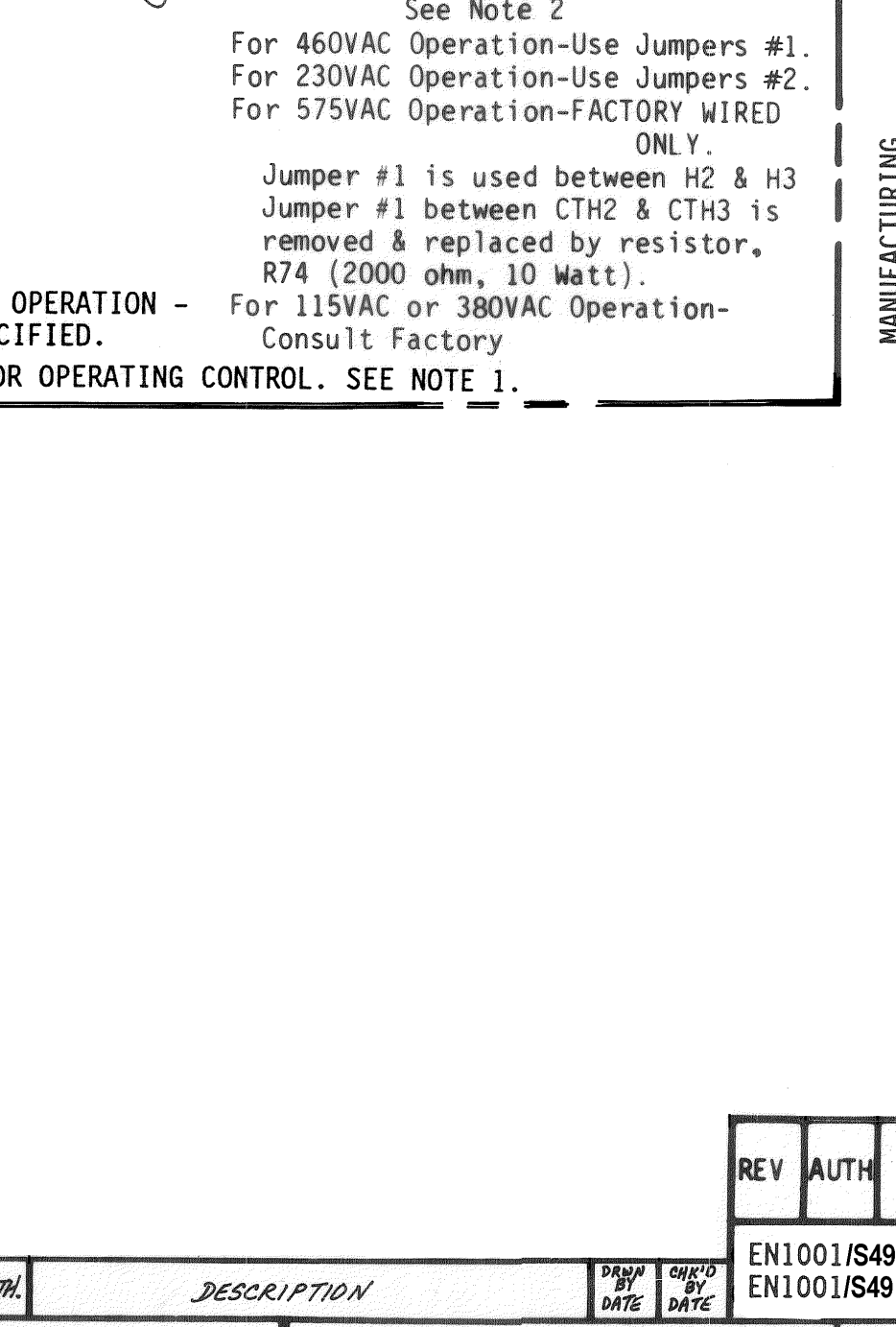
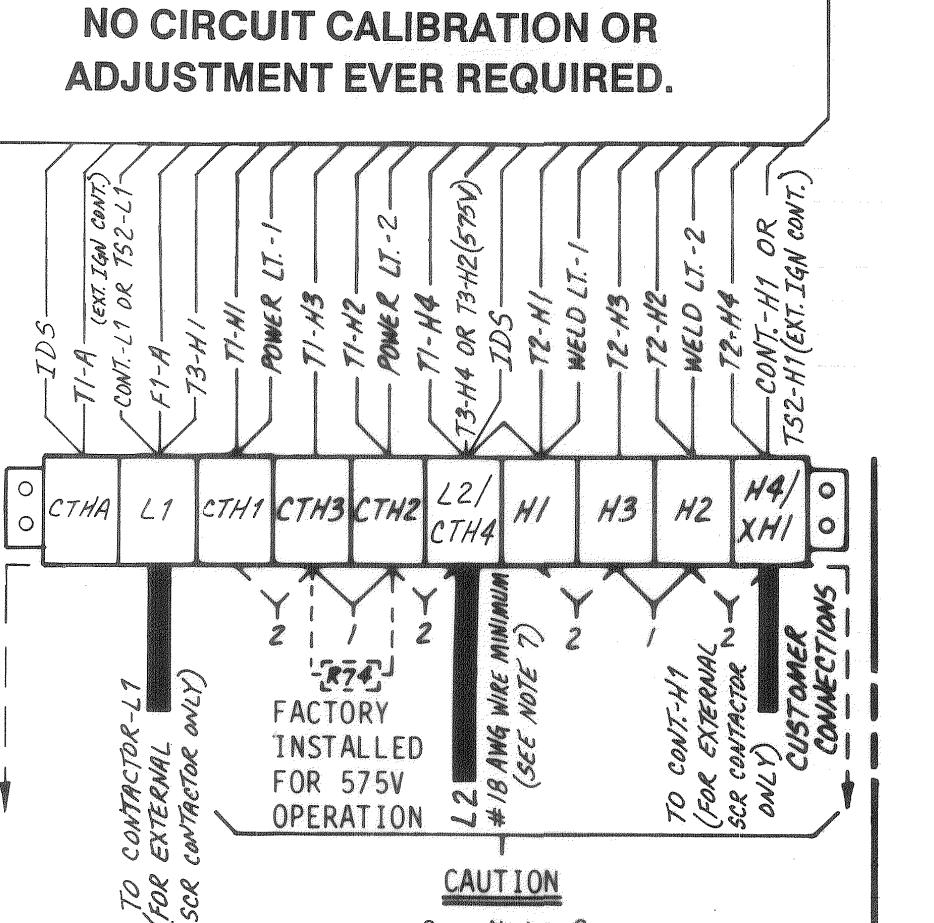
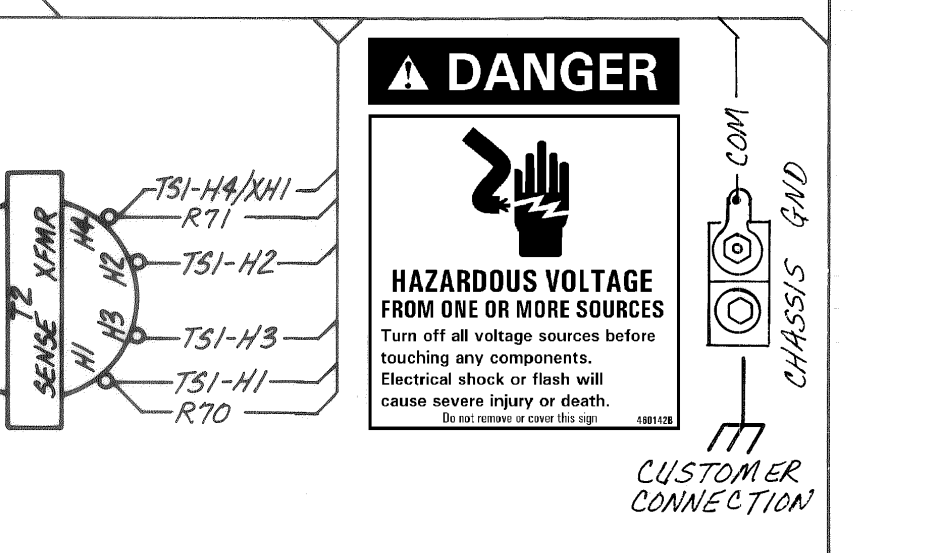
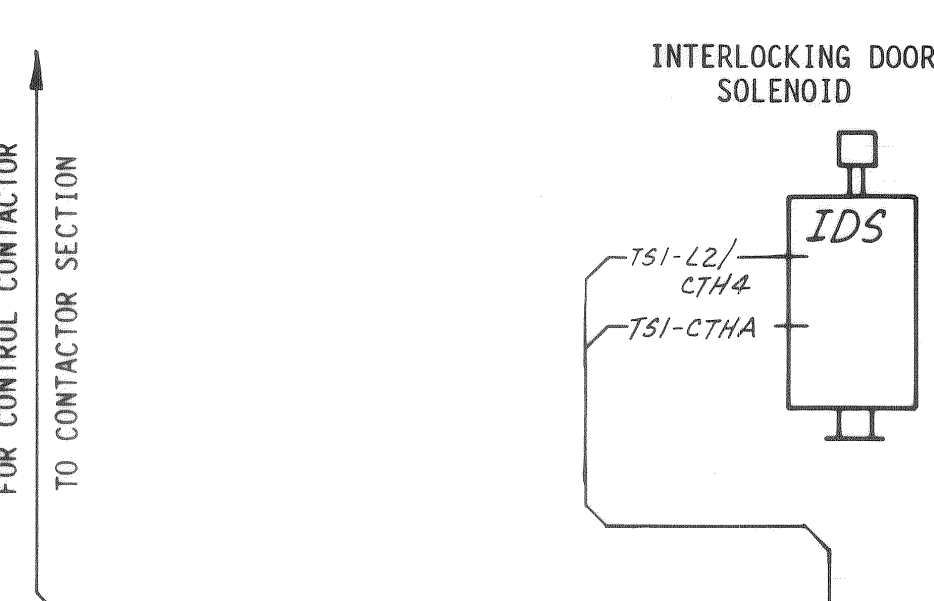


NOTES: 1. It is recommended that control wiring (i.e., initiation, pressure switch, etc.) be physically separated from the high voltage wiring (115 volts or higher). 2. For 460 VAC Operation - Use Jumper #1 on T3 & T51. As shipped unless otherwise specified. 3. For 230 VAC Operation - Use Jumper #2 on T3 & T51. 4. For 115 VAC or 380 VAC Operation - FACTORY WIRED ONLY. SEE VIEW "A". 5. For Single Stage Pilot Operation - Connect pilot switch to T51-F53 & T51-GND. 6. For Two Stage Pilot Operation - Connect 1st stage pilot switch to T51-F53 & T51-GND. 7. For DUAL COUNT/DUAL CURRENT (Dual Weld/Dual Heat) or TRIPLE COUNT/TRIPLE CURRENT (Triple Weld/Triple Heat) or External Schedule Selection, SEE MANUAL. 8. EN1001-S(IGN) & EN1001-S(SCR): When used, connect customer provided Normally Closed (N.C.) Temperature Limit Switch (TLS) across T51-TLS1/AUX1 & T51-GND and remove jumper between T51-TLS1/AUX1 & T51-GND. 9. EN1001-S(IGN) & EN1001-S(SCR): ENTRON supplies Temperature Limit Switch (TLS) P/N 300020 and provides connections to T51-TLS1/AUX1 & T51-GND. Jumper not required between T51-TLS1/AUX1 & T51-GND. 10. For External SCR Contactor Firing with SCHLATTER P/N S55.5, ES65.5, & ES130 Contactors. Do NOT make J5 & J6 connections as shown on PCB2. See EN1001-S(SCR) Contactor Wiring Diagram with SCHLATTER Contactors. Install jumper on PCB2 Terminal Strip Board between J5-2 (Yellow) & J6-1 (Red). Make connections from J5-1 (Orange) & J6-2 (White) on PCB2 to SCHLATTER Contactor per correct External SCR Contactor Wiring Diagram. 11. CURRENT TRANSFORMER (T4) CONNECTIONS: Wire per view "B". Current Transformer coil (T4) shown installed on L1, may be installed on H1. Wires from Current Transformer (T4) to J12 should be kept as short as possible. SECONDARY CURRENT COIL (S6 & S10) CONNECTIONS: Wire per view "D". Secondary Current Coils (S6) & (S10) may be used in place of Current Transformer (T4). Add J12-J12 Harness A/N 322475. 12. CAUTION: Do NOT set current control below 40% for 230 Volt Operation with Ignitron Tube Contactors.



CURRENT SENSING COIL/SENSOR APPLICATION CHART table with columns for COIL/SENSOR MODEL NUMBER, CURRENT TRANSFORMER OR SECONDARY CURRENT SENSOR PART NUMBER, OBS. 70A CONT, 150A CONT, 300A CONT, 1200A CONT, EXTERNAL FIRING TGN, SCR.

CAUTION Control Shipped Wired for 460 VAC Operation unless otherwise specified - See Note 2.



PARTS LIST - CONTROL SECTION table with columns for QTY., DESIG., PART NO., DESCRIPTION.

PARTS LIST - CONTACTOR SECTION table with columns for QTY., DESIG., PART NO., DESCRIPTION.

Table with columns for QTY., DESIG., PART NO., DESCRIPTION, listing various components like terminal strips, transformers, and contactors.

Optional Keylock when specified by customer. See Note 8. Pack key in Poly bag 900148 & attach to Door w/Yellow Tape 900118. Substitution or Addition of Parts when 575V Control is specified. See Drawings #600530, #600530-001, #600530-002, & #600530-003 for Mechanical Assembly Instructions. See Drawing #440269 for Packing Instructions, "S" Cabinet. See Drawing #440352 for Label Locations, "S" Cabinet. See Drawing #440055 for Customer Mounting & Knockout Detail of "S" Cabinet. For Layout/Assembly of Front Panel, See Drawing #600526. See Drawing #440457 for Current Transformer Assembly. See Drawing #440478 for Secondary Current Coil Assembly. See Wiring Diagram #421268 for EN1001-Series, "E" Cabinet. See Wiring Diagram #421269 for EN1001-Series, "D/T/LS/LF" Cabinet, w/Optional Circuit Isolation Device. See Wiring Diagram #421277 for EN1001-Series, "R" Cabinet.