

APPENDIX 1

JOB DESCRIPTION: ELECTRICAL TECHNICIAN (Expanded Detail)

- Install and troubleshoot mechanical, pneumatic and electronic components of electrical equipment.
- Assemble, install, repair, connect and test wiring, control equipment for electrical systems on new machines.
- Plan installation from electrical schematics, sketches, specifications and installs all electrical and electronic devices.
- Diagnose and troubleshoot faults in electrical/electronic systems and equipment during power up. Repair and replace electrical and electronic components as required.
- Test electrical and electronic equipment for proper function.
- Use computers to setup, tune, and troubleshoot CMP products.
- Drill and tap holes in cabinet or panels using hand tools and power tools.
- Mount components on panels, such as transformers, circuit breakers, and switches with bolts and screws, in predetermined order, following drawings, using hand tools and power tools.
- Select wire, cut, bend and strip insulation from wire ends to fabricate cable, using hand tools, and wire-cutting and stripping machine.
- Affix terminal lugs and other connecting devices to cable-wire ends, using hand tools, crimping machine and soldering equipment.
- Check components and wiring for shorts or leakage to ground, using electrical-test equipment.
- Adjust clearance of relay & circuit breaker contacts, according to specifications, and using hand tools and feeler gauge.
- Bend, cut threads, and install conduit or armored cable, using hacksaw, pipe cutter and conduit bender.
- Connect panel or equipment to power source.
- Switch on power, and actuate switches and controls in prescribed sequence to determine if it meets performance specifications.
- Travel to site for install and troubleshooting.
- Requisition materials and supplies as required.
- Adhere to all CMP Health and Safety rules and procedures.
- Bonus: PLC/HMI programming experience

SUPERVISORY RESPONSIBILITIES:

- None.