

## **IX. POWER TOOLS**

### **A. Electric Tools**

Eye protection must be used when operating any grinding, cutting, drilling, or power driven tools.

Only ground carrying (three-wire) extension cords approved by Underwriter's Laboratories that are in good condition shall be used. Worn or frayed cords and broken plugs shall be removed from service and repaired or replaced.

When operating portable electric equipment and a 3-wire receptacle is not available, the ground wire on the 3-prong/2-prong plug must be used. The ground wire must be connected before inserting the plug in the receptacle. Two-wire/two-pronged plugs on double insulated tools are acceptable.

### **B. Stationary Power Tools**

All tools, equipment, safety guards, safety chains, and safety devices shall be inspected at regular intervals and shall be kept in proper working condition.

Gloves should not be worn while operating drill presses, power saws, and similar equipment. Loose clothing on upper portion of body must be worn and long sleeves must be rolled up.

### **C. Electric Drills**

Oversized bits shall not be ground down to fit small electric drills. Proper size drill should be used.

### **D. Grinding and Buffing Wheels**

Approved eye and face protection will be worn when using a grinding wheel. Bench grinders shall be equipped with wheel guards, transparent shields, and tool rests.

The center hole of the grinding wheel shall be the proper size for the arbor shaft on which it is mounted.

When changing wheels or adjusting guards, the grinder shall be disconnected from its electrical or pneumatic power source.

The protective hood shall be replaced after changing wheels.

## **E. Guards**

Gears, sprockets, chains, shafts, pulleys, belts, and other apparatus of this nature shall be provided with appropriate guards.

Guards shall be removed only as necessary to maintain the machine, then immediately reset.

Before any maintenance work is done on tools or equipment, the power source shall be shut down or disconnected.