

11.17.22

ELECTRICAL

NOW IS NOT THE TIME FOR THE ELECTRIC SLIDE.

INSPECTION PROGRAM

A Competent Person will inspect all cord sets, portable electrical equipment, tools, and appliances not part of any permanent building or structural electrical system to prevent any worker from receiving an accidental electric shock. All temporary cords will be three wire types S, ST, SO, or STO with a 16 or heavier wire gauge.

DAILY INSPECTIONS

Each cord set, attachment cap, plug, and receptacle of cord sets, portable electrical equipment, tools, or appliances connected by a cord and plug, will be visually inspected daily by the user for external damage, such as deformed or missing ground pins, insulation damage, frayed wires or indications of possible internal damage. Any electrical equipment, tool, appliance, or cord set that is damaged or defective will be immediately removed from service and tagged out as defective equipment for repair. A qualified electrician will repair tagged electrical items.

MONTHLY INSPECTIONS

Each cord set, receptacle, and cord-plug connected electrical equipment, tools, or appliances not part of the building or structures permanent wiring, will be visually inspected for damage or missing ground pin, insulation damage, frayed or exposed wires, and signs of internal damage. The color of the month tape will be applied following this inspection procedure. Any defective electrical equipment will be immediately removed from service and tagged as defective equipment for repair.

GROUND FAULT CIRCUIT INTERRUPTERS (GFCI)

All cord sets and cord-plug electrical equipment, tools, or appliances that are 120 volts will be connected to a ground fault circuit interrupter (GFCI). No cord set or cord-plug electrical equipment, tool, or appliance will be plugged directly into any permanent building or structural electrical system not equipped with a GFCI. When the source of electricity is from a generator, the generator is to be grounded (if required) and a GFCI is required. Each craft employee-owner will periodically inspect, test, and reset the GFCI device being used to ensure it is working properly.

DOUBLE-INSULATED TOOLS

Double-insulated tools are allowable if the case bears the Underwriter Laboratories (UL) “double-insulated” label. Tools where this label has been removed, painted over, or otherwise not readable must be removed from service.

GENERAL ELECTRICAL RULES

All cord sets will be elevated above the work surface when practical. Wire, nails, or other conductive material will not be used to hang or attach cord sets or welding leads. Cord sets that cross roadways will be protected from damage from vehicle and equipment traffic by devices such as hose bridges. Light stringers and halogen lamps will have the light bulbs protected from accidental contact or breakage and will be hung per manufacturer specifications and must have UL listed and be OSHA approved. UL-approved covers are required on all panels, load centers, and pull boxes prior to energizing. Necessary steps will be taken to prevent unauthorized or unqualified workers’ access to energize electrical parts or equipment.