

Lockout and Tagout

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Requirements

- Lockout/tagout procedures must be followed.
- If systems need to be energized for work, only properly trained, licensed, and qualified persons may work on these systems.
- The systems can only be worked on with proper controls in place.
- Qualified persons must wear the appropriate personal protective equipment (PPE).
- Extension cords are not to be used in lieu of permanent wiring.
- Extension cords for portable electrical tools and appliances must be three-wire types.
- Grounds are never to be removed from equipment or extension cords.

Tool and Equipment Condition

All wiring and electrical equipment, tools and machinery shall be in excellent repair.

Frequent inspection and documentation must be included in the preventative maintenance program.

Temporary Lights

- Temporary lights and lighting that is exposed to breakage shall be equipped with guards to prevent accidental contact with the bulb.
- Temporary lights shall not be suspended by their electric cords unless the cords and lights are designed for this means of suspension.
- Splices are not permitted.

Electrical Lines, Extension Cords, and Cables

- Do not lay them on floors or in walkways, etc.
- Secure them in doorways and work areas so that they will not be damaged and will not cause a tripping hazard.
- Never:
 - Use flexible cords as a substitute for fixed wiring.
 - Run flexible cords through walls, ceilings, floors, doorways, or windows.
 - Attach flexible cords to building surfaces.
 - Conceal flexible cords behind building walls, ceilings, or floors.

Panel Boards, Access, and Ground Fault Systems

- These must have dead fronts on them at all times, except when being serviced.
- All electrical equipment should have at least a three-foot clearance in front of the equipment.
- The area needs to be controlled for unauthorized access.
- A “ground fault system” is used to prevent shock hazards.
 - This may include the use of ground fault circuit interrupters (GFCIs) or an assured equipment grounding conductor program (AEGCP).