



ARCO SAFE TOOL BOX TALKS

Electrical - Accident Prevention

1926 Subpart K, Electrical



The employer shall ensure that electrical equipment is free from recognized hazards that are likely to cause death or serious physical harm to employees.

- Any live electrical parts operating at 50 volts or more **MUST** be guarded from accidental contact.
- Electrical equipment, such as enclosed metal breaker/fuse boxes, must be provided with sufficient space to be maintained, and ensure safe operation. (Don't park or store stuff in front of electrical boxes!)
- Such electrical equipment must be protected from being hit by traffic if it exposed to vehicles or equipment.
- Every electrical outlet being used in the course of construction **MUST** be protected by a GROUND FAULT CIRCUIT INTERRUPTER (GFCI), not just a breaker or a fuse.
- GFCI trips with 5 milliamps change in current in 1/40th of a second. Breakers work in about the same amount of time, but will trip only after about 125% of their rating. **Only 1 amp is needed to possibly cause death.**
- All electrical powered tools, cords, plugs and equipment should be free of damage to shielding or insulation and should be tagged and taken out of service immediately!