



## Special Events Temporary Electrical Power

- 1. Generators:** Generators or other power supply units and the associated electrical distribution cords and panelboards must be inspected at each event during the season. The conductors from the generator terminals to the first overcurrent device shall not be less than 115 percent of the nameplate rating of the generator. To establish ground, the neutral terminal in the service equipment, transformer truck, or generator shall be connected to an approved grounding electrode system with a stranded/solid copper grounding electrode conductor sized not smaller than 4 AWG. This conductor shall be installed without splice from the grounding terminal to the grounding electrode (ground rods) and shall be connected with approved clamps. [NEC 445.13, 250.30, and 250.64(B)]  
*Generators that supply only loads connected directly to receptacle outlets mounted on the generator and where the equipment grounding terminals of the receptacles are bonded to the generator frame shall not be required to be connected to a grounding electrode system.*
- 2. All** concessions with electrical panels as part of the concession, or remote electrical panelboards mounted on a piece of wood, must be preapproved before the day of the event under an Electrical Permit.
- 3.** All 125-volt through 250-volt receptacles supplied by single-phase branch circuits rated 150 volts or less to ground, 50 amps or less, and all receptacles supplied by three-phase branch circuits rated 150 volts or less to ground, 100 amps or less installed outdoors must have ground-fault circuit interrupter (GFCI) protection [NEC 525.23(A)]. Please contact our office if you do not understand this requirement 651-266-9003.
- 4.** All flexible cords or cables accessible to the public that may create a tripping hazard must be covered with nonconductive matting, provided the matting does not constitute a greater tripping hazard [NEC Article 525.20 (G)].
- 5.** All temporary lighting must have a guard to prevent accidental breakage [NEC Article 525.21(B)]. This can be an open-ended guard, but bare bulbs with no protection whatsoever are prohibited.
- 6.** We have had special red tags made for defective cords, improperly wired temporary electrical, and cords not plugged into GFCI protection. Do not remove these tags. If the cord must be repaired or replaced a Minnesota Licensed Electrical Contractor must make repairs before it can be used. The electrical inspector's cell phone number is also on the tag if you have questions about what needs to be done.
- 7.** An Electrical Permit is required for portable generators with distribution, amusement rides, and concession trailers.
- 8.** Large tents, stages, amusement rides, and similar must have a minimum clearance, in any direction, of at least 15 ft. from all overhead conductors operating at 600 V or less [NEC 525.5(B)(1)]. When the voltage exceeds 600 V these items must have a horizontal clearance of 15 ft. extending vertically from the wires to grade [NEC 525.5(B)(2)].

**Revised: 2023**

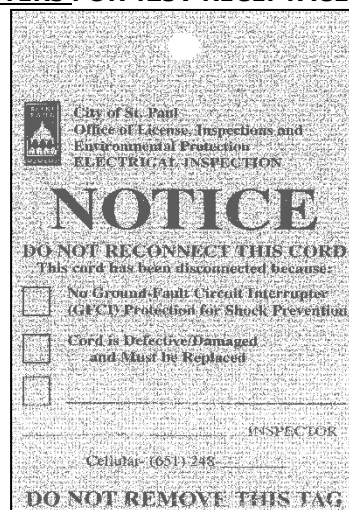
**\*Lack of a GFCI or other violations may force us to shut down a booth until any deficiencies are resolved. Our concern is safety for you, your employees, and your customers!**  
**\*Please contact the Electrical Inspections department at 651-266-9003 between 7:30-9:00 AM with any other questions you may have.**



**SOME TYPES OF PORTABLE GROUND-FAULT CIRCUIT INTERRUPTERS FOR 125V RECEPTACLE REQUIREMENTS.**



**NOT A GROUND FAULT CIRCUIT INTERRUPTER**



**A RED TAG WILL BE TIED TO CORDS WITHOUT GFCI PROTECTION**