

TITLE 228 - DEPARTMENT OF LABOR

CHAPTER 44 - PORTABLE POWER, TERMINAL BOX, SUPPLY CARDS, AND CABLES

001. This chapter is adopted pursuant to Neb. Rev. Stat. ' 48-1803.

002. Electrical boxes are to be rain tight and kept locked during the time when the general public is in the area. Wood boxes may be used if insulated on all sides with fire resistant material or painted with insulating varnish. The service power shall be connected to the box by receptacles mounted on the exterior walls which includes the safety grounding. The distribution within the box shall be accomplished by neutral terminal bar(s) and circuit breakers or fuses. The branch circuits which include the equipment safety grounding shall obtain their power through receptacles mounted on the exterior of the box. The exterior openings of the receptacles must be at least six inches above ground level and provided with a protective cover, draining eve, or canvas that will avoid the possibility of rain on the receptacle. If it is required to run conductors directly through an opening on the wall of the box for additional service or to obtain required ampacity, an approved cable connector must be used to secure the cable and the opening(s) shall be color coded and shall be sized to prevent public accessibility to the interior of the box. The fuses or breakers in the boxes shall be secured permanently in place and all connections to the bus bars within the boxes to be made with threaded screws and lugs of the proper size to fasten wiring in place.

003. Portable or permanent cord or cable assemblies supplying power to the current limiting disconnect of a ride, concession booth, or device shall contain within the assembly a conductor of equal size for equipment grounding. All conductors within the assembly shall not be smaller than #12 awg (American Wire Gage) wire and cords, or cable assemblies purchased for this purpose after May 1, 1975 shall not be smaller than #10 awg (American Wire Gage) wire. Current carrying conductors within the assembly shall be protected with current limiting devices rated at or below the current carrying capacity of the conductors.

004. Electrical power sources shall be located in a manner permitting proper maintenance and shall be protected either by guards, fencing, or enclosure to prevent exposure to hazard and to secure the equipment from the public.