



COUNTY OF HUMBOLDT
PLANNING AND BUILDING DEPARTMENT
BUILDING DIVISION

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Ag Electrical Conformance Form

Ag-structures with electrical may contain outlets, switches, light fixtures, portable power sources, and/or any other permanently installed electrical devices. Portable power sources are defined as equipment with electrical components suitable to be moved by a single person without mechanical aids, and include equipment such as snap fans, portable generators, energy storage systems, solar modules, and other equipment labeled and listed as portable.

- 1) **Damp or Wet Locations CEC §547.23.** All electrical shall be listed for wet locations.
- 2) **Physical Protection CEC §547.26.** All electrical wiring and equipment subject to physical damage shall be protected.
- 3) **Securely Fastened Current CA Electric Code.** All electrical to be securely fastened and supported per current code.
- 4) **GFCI Protection CEC §210.8(B).** All 125-volt through 250-volt receptacles, single-phase, 50 amps or less to be GFCI.
- 5) **Service Equipment CEC §230.66.** Service equipment is identified as suitable for use as service equipment.
- 6) **Panelboards CEC §408.37, §312.2.** All electrical panel boards to be weatherproof and listed for damp/wet locations.
- 7) **Grounding Electrode CEC §250.66, §250.64(F).** Check grounding electrode conductor for proper size.
- 8) **Grounding & Bonding CEC §250.4.** Verify/install grounding and bonding of electrical panel, metal structural building components (if applicable), metal electrical boxes, and metal water line to ground rod Grounding Electrode Conductor at each electrified, detached structure.
- 9) **Detached Structures CEC §250.50, §250.64.** Verify grounding electrodes at each electrified, detached structure.
- 10) **Listed as Portable CEC §110.3.** Portable power sources shall be listed to be used as a *portable* power source.
- 11) **Removal CEC §590.3(D).** After use, the portable power source it shall be disconnected and properly stored.
- 12) **System Capacity CEC §702.4(A)(1).** Portable power sources used to back feed premises wiring shall be sized appropriately to the loads they serve. If large, hardwired loads are being permitted as part of the premises wiring system (such as horticultural lighting) a permanent power source may be required.
- 13) **Portable Generators Greater than 15kW CEC §702.12(A).** If the generator (15kW or greater) already has a compliant disconnect AND it is within sight of the building, you do NOT need to also install a separate "building disconnect". If either of those conditions are not met, a separate building disconnect is required at the exterior of the structure.
- 14) **Portable Generators 15kW or Less CEC §702.12(B).** If you are using a small portable generator (15 kW or less) that connects with a plug and inlet, that inlet must be located outside. The plug itself is considered the disconnect.

Note: Portable power sources on sites WITHOUT premises wiring are unregulated by our department, however, it is still the responsibility of the property owner to use listed equipment and comply with all applicable safety requirements.

I guarantee that the electrical components I propose to install will conform to the current electrical codes. I further understand that the field inspector will be making this portion of the materials compliance check in addition to the use and method of installation inspection.

Applicant Signature

Date

Accessor Parcel Number (APN)

Application Number