



DEPARTMENT OF BUILDING & SAFETY

## 2011 NEC Electrical Plans Submittal Requirements

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- A. **COMPLETE** Single line diagram to include AIC rating & incoming fault at each breaker or fuse (over current protection devices) (fault calculations not required).
- B. Service and load calculations per NEC 220.
- C. Panel schedules and descriptions of circuits with connected loads, panel ratings, and feeder size.
- D. Plans including all outlets, smoke detectors, equipment and feeders. The plan shall include appropriate panel and circuit number at devices.
- E. Show emergency power system, type, and model.
- F. Provide voltage drop calculations for all feeders to sub-panels, panels, area lighting, free standing signs, and air conditioning units.
- G. Compliance Report to the 2009 IECC required on plans.

As an alternate to providing complete voltage drop calculations, the Design Professional may include the following along with the feeder schedule:

<b>Stamp and/or sign.</b>	<b>The Design professional has performed all required voltage drop calculations and all branch circuits and feeders comply with NEC 210.19(A)(1) Information Note No. 4.</b>

As an alternate to providing load calculations when the total added load **DOES NOT EXCEED 2000 VA**, the design professional may include the following with a single line diagram from tenant's panel to main and a panel schedule.

<b>Stamp and/or sign.</b>	<b>The Design professional has performed all required load calculations and verifies that all upstream panels and equipment are not overloaded.</b>

See [http://www.lasvegasnevada.gov/portal/faces/wcnav\\_externalId/oc-laws-codes](http://www.lasvegasnevada.gov/portal/faces/wcnav_externalId/oc-laws-codes) for the 2009 IECC Amendments.