



2005 NEC
Electrical Plans Submittal Requirements
Effective March 30, 2009

- A. **COMPLETE** Single line diagram to include AIC rating & incoming fault at each OCPD (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. All outlets, smoke detectors, equipment and feeders shown on plan with appropriate panel and circuit numbers at devices.
- E. Show emergency power system, type, and model.
- F. Show voltage drop calculations for all feeders to sub-panels, panels, area lighting, free standing signs, and air conditioning units.
- G. Compliance Report to the 2006 Southern Nevada Amendments / 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.

Stamp and/or sign.	The Design professional has performed all required voltage drop calculations and all branch circuits and feeders comply with NEC 210-19(A)(1) FPN No. 4.

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.

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

See http://www.lasvegasnevada.gov/LawsCodes/building_code.htm for the IECC Amendments.