

**2017 NEC ELECTRICAL PLANS SUBMITTAL GUIDELINE**www.LasVegasNevada.gov/BuildingPermits

Phone: (702) 229-6251

- 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 2018 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) Information Note 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.snbo.org/current-adopted-codes/> for the 2018 IECC Amendments.