



DEPARTMENT OF BUILDING & SAFETY

ELECTRICAL FOR PATIO COVERS

www.LasVegasNevada.gov/BuildingPermits

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PERMITS

An electrical permit is required when electrical work is being planned on a patio cover. If this is pulled by a General Contractor, an electrical contractor must call/schedule the electrical inspections.

Who can pull the permits?

- An electrical contractor.
- A general contractor (may receive the electrical permit only with this patio cover permit but only an electrical contractor will be able to call in the inspection with their pin number).
- An owner (only when the owner pulls the permit as owner/builder).

PLANS

Existing Circuit: Electrical plans and calculations are required whenever six (6) devices are being added, (a fan = two devices, general rule) and is submitted at the same time as the patio application or plans are submitted.

New Branch Circuit (home run back to panel): There is a maximum of twelve (12) outlets allowed each dedicated 20 amp circuit to the patio cover (a fan = two devices, general rule).

Reminder: Field Inspection staff may require plan review and or load calculations due to field conditions re: panel loads and panel space.

Plans shall be complete and include the following:

- Floor plan showing all receptacle and lighting outlets (designate existing and/or new, GFCI required for outdoor installations, luminaire may have to be listed for "Wet" or "Damp" installation)
- Load calculations
- Plans must be signed by an electrical engineer, electrical contractor, or owner/builder. When the electrical contractor signs plans, that contractor must also perform the work.

210.23 Permissible Loads (2017 NEC Code Amendments)

(E) Dwelling Branch Circuits.

- (1) Maximum Number (15-ampere). The maximum number of outlets on a 15-ampere, 125 volt (nominal) luminaire circuit shall be twelve (12) and shall not contain general purpose receptacle outlets.
- (2) Maximum Number (20-ampere). The maximum number of outlets on a 20 ampere, 125-volt (nominal) circuit used exclusively for receptacles, for luminaire outlets or for any combination of receptacles and luminaire outlets shall be twelve (12).