



## Elko Issues Opinion On Electrical Permits

By Ted Schnoor

Many contractors are not sure when a permit is required. The City of Elko Building Department has issued this opinion regarding electrical permits.

**An electrical permit is not required for the following:**

1. Portable motors or other portable appliances energized by means of a cord or cable having an attachment plug end to be connected to an approved receptacle, when that cord or cable is permitted by the Electrical Code.
2. Repair or replacement of motors, transformers and controls within fixed approved appliances of the same type and rating in the same location..
3. Temporary decorative lighting.
4. Repair or replacement of current-carrying parts of any switch, contactor or control device.
5. Reinstallation of attachment plug receptacles, but not the outlets therefore.
6. Replacement of any over-current device less than 1200 amps of the same capacity in the same location.
7. Repair or replacement of electrodes or transformers of the same size and capacity for signs or gas tube systems.
8. Taping joints.
9. Removal of electrical wiring.
10. Temporary wiring for experimental purposes in suitable experimental laboratories.
11. The wiring for temporary theatre, motion picture or television stage sets.
12. Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 watts of energy.
13. Low-energy power, control and signal circuits of Classes II and III, as defined in the



Electrical Code.

14. A permit shall not be required for the installation, alteration or repair of electrical wiring, apparatus or equipment or the generation, transmission, distribution or metering of electrical energy or in the operation of signals or the transmission of intelligence by a public or private utility in the exercise of its function as a serving utility.

It is the intent of the code that even though work may be exempted for permit processes, it must still comply with the code, and the owner is responsible for proper and safe construction for all the work being done.

It is recognized that in some cases, emergency replacement and repair work must be done as quickly as possible, so it is not practical to take the necessary time to apply for and obtain approval. A permit for the work must be obtained the next day that the building department is open for business. Any work performed before the permit is issued must be done in accordance with the code and corrected if not approved by the building inspector.

**An Electrical Permit shall be required for the following:**

Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect,

install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit.

New hard-wired (connected to the building wiring without the use of an approved plug) fixtures and appliances such as ceiling fans, fixed light fixtures, fan hoods and electric water heaters. Any new or relocated wiring circuits, switches, receptacles, underground conduits, sub-panels, or service panels. Any temporary power pole, service, or lighting for construction, space, or lot lighting.

Electrical load calculations are required for all new structures. Electrical load calculations are required for existing structures any time the new combine total load adds 30 AMPS or more to an existing service panel.

**To whom permits may be issued:**

Any permit required by this code may be issued to any of the following persons:

- To a person holding an appropriate valid state contractors license and an appropriate valid city business license.
- To an owner of property who is building or improving a residential structure on the property for his own occupancy and not intended for sale or lease within one year after its completion.

*Note: The city requires that all generals and subcontractors must maintain a valid state contractor's license and an appropriate valid city business license. Any company or individual that bids work,*

*not hired on an hourly basis by a licensed contractor, must be licensed as stated above. The administrative authority shall require a complete list of all contractors prior to the issuance of the building permit and request an update at any time until the certificate of occupancy is issued. (Ord. 647, 8-23-2005)*

**Requirements for Pulling Electrical Permits:**

TWO COMPLETE SETS OF PROPERLY STAMPED & SIGNED PLANS ARE REQUIRED. PLANS THAT ARE STAMPED "PRELIMINARY," "FOR REVIEW ONLY" AND/OR "NOT FOR CONSTRUCTION" ARE UNACCEPTABLE.

PLANS DRAWN IN PENCIL, INK OR COLORED HIGHLIGHTING ARE NOT ACCEPTABLE.

**Complete plans shall include the following:**

- A Nevada State Licensed Contractor or Owner/Builder when used for his own work may draw plans. If a licensed contractor draws the plans, the plans shall be so identified with the following information on the front sheet of each principle's drawings on each set of plans:
- The Contractor Company Name
  - State Contractors License Number
  - State Contractor Classification (C-1, C-2b, B, B-2, etc)
  - State License Limit
  - Printed Name of Person who prepared drawings
  - Original Signature of Person

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who prepared drawings

In order to utilize this exemption, the contractor will be required to title the plans without references to being prepared by a party other than the contractor who is completing the work.

**Electrical plans for additions or alterations to electrical systems require the following:**

- Plan of original structure showing areas being added or altered.
- Size and location of existing and proposed electrical service and sub-panels.

Provide service and load calculations to include the old and new loads.

Load calculations not required if adding seven or less devices.

- Identify the names or uses of the new areas (bedrooms, porch, etc.).
- New outlets, switches, light fixtures, smoke detectors and special outlets

*Ted Schnoor, CBO, is the building official for the City of Elko. For more information, call: (775) 777-7220, or contact*

*Christine Kuhlman, technical assistant, at: [ckuhlman@ci.elko.nv.us](mailto:ckuhlman@ci.elko.nv.us) or Melanue Larreau, permit technician, at: [mlarreau@ci.elko.nv.us](mailto:mlarreau@ci.elko.nv.us)*

**NOTE: Permit requirements may differ in cities and counties statewide. Check with your regulatory agency before beginning any work.**

## Contractor Classes Offered By TMCC And CSN

### 40 Hour Hazardous Waste Operations and Emergency

**Response** - Take this course to comply with OSHA's 29 CFR 1910.120 standard. Do not miss this class if your job involves working with, transporting or handling hazardous waste. Learn about rules and regulations, personal protective equipment, onsite and offsite characterizations, the dangers and legal ramifications of mishandling waste, drum opening and sampling protocols, and more. Find out about OSHA, EPA and DOT regulatory requirements. Upon successful completion, earn 3.5 CEUs upon request. The class will be held **Aug. 10-14** at the TMCC IGT Applied Technology Center. The cost is \$465. For more information, go to the TMCC website at: [www.tmcc.edu](http://www.tmcc.edu) and click on Continuing Education, or call: (775) 829-9010.

**Forklift Safety Training** - Prerequisite: Must be at least 18 years old to register. Regardless if you're a novice or an experienced operator, you'll find this course will help you further develop your driving skills. Learn the safe operation of all forklift styles such as sit-down, stand-up, rider pallet jack, reach trucks and order-pickers. In addition, find out about the stability triangle, load safety, the proper steps for completing a daily inspection and more. The class will be held on **Aug. 15** at the TMCC IGT Applied Technology Center. The cost is \$79. For more information go to the TMCC website at: [www.tmcc.edu](http://www.tmcc.edu) and click on Continuing Education, or call: (775) 829-9010.

**OSHA 510 Construction Standards Course** - This course is required prior to taking the OSHA 500 course. The 30-hour class

does not fulfill the prerequisite. This course covers OSHA policies, procedures and standards, as well as construction safety and health principles. Topics include scope and application of the OSHA construction standards. You must attend all four days. **Aug. 17-20**, 8 a.m. to 4:30 p.m., Construction Training Center, 240 S. Rock Blvd. Suite.121, Reno, NV. OSHA 510. Call Number: 45356. Cost: \$725

**OSHA 500 Construction Train the Trainer Course** - This course is designed for individuals interested in teaching the 10- and 30-hour construction safety and health outreach programs. Special emphasis is placed on those topics that are required in the 10- and 30-hour programs. Prerequisites: Course OSHA 510 and five years of construction safety experience. (Please note the 30 Hour Construction course does not meet the prerequisite for this class). NOTE: Students in Course #500 who wish to participate as authorized trainers in the Outreach Program must successfully pass a written exam at the end of the course. You must attend all four days of the class to receive your card. Please visit [www.csn.edu/dwedosha](http://www.csn.edu/dwedosha) for the certification form and full course descriptions. Call (702) 651-5790 to register. **Sept. 14-17**, 8 a.m. to 4:30 p.m., Construction Training Center, 240 S. Rock Blvd. Suite 121, Reno, NV. OSHA 500. Call Number: 42996 Cost: \$725

For additional information, contact Abigail Rakvica at: [abigail.rakvica@csn.edu](mailto:abigail.rakvica@csn.edu) or (702) 877-651-OSHA

## New Energy Management Certificate Program

A new 10-session, 30-hour Energy Management Certificate is being offered by Extended Studies at the University of Nevada, Reno. Explore the essentials of building-energy management and examine methods for increasing efficiency and return on investment. The program offers training in real-world energy and money-saving strategies to reduce dependence on non-renewable

resources and improve the bottom line.

Developed for building managers, facility/operations managers, construction planners, engineers, maintenance personnel, small business owners, entrepreneurs and others interested in energy resources, this certificate program is designed to better manage energy use in the business to reduce energy costs

and increase profits

**Sept. 15 - Nov. 17**; Tuesday evenings, 6-9 p.m., University of Nevada, Reno, Redfield Campus, 18600 Wedge Pkwy., Reno. Fee of \$925 by Aug. 28 or \$1,050 after Aug. 28. Fee includes instruction, course materials, refreshment breaks and parking. Receive a 10 percent discount when registering three or more people from the same organiza-

tion.

**Schedule number: 094CEM101** (Register online at <http://www.extendedstudies.unr.edu> or by phone at: (775) 784-4062 or 1-800-233-8928.)