



REGULATIONS COVERING
Utilities To Shed
 CITY OF HEMET BUILDING DIVISION
 445 E FLORIDA AVENUE, HEMET, CA 92543
 (951) 765-2475

INFORMATION
 BULLETIN
113
 December 2007

ELECTRICAL:

PANEL BOX: Maximum size is 50 AMP

BREAKER AMPERAGE	WIRE SIZE LIMITS
15 AMPS	#14 AWG (COPPER)
20 AMPS	#12 AWG (COPPER)
30 AMPS	#10 AWG (COPPER)

30 amp service is maximum that can be run from meter (power) pedestal serving a mobile home lot. The maximum load that can be applied to the circuit is 24 AMPS in order to meet the code required safety factor of 80% load.

15 AMP circuit is used primarily for lighting circuits and light switching. (15 AMP breaker-#14 AWG wiring)

20 AMP circuit is used for general outlet(receptacles) service for hand tools, small motors, washing machines, small stationary drills, saws, etc. (30) AMP breaker - #10 AWG wiring) requires 30 AMP outlet.

Wiring must be single conductor THHN/THWN insulation, in conduit 18" minimum burial underground. Minimum conduit size is 1/2", however 3/4" conduit is recommended for ease in pulling wiring. Conduit should be minimum schedule 40 PVC or metal approved for direct burial. PVC conduit exposed above ground must be protected from damage or changed to rigid metal conduit or schedule 80 PVC.

Wiring run inside shed can be "romex" if walls are covered to protect wiring, otherwise wiring must be run in flex conduit as a minimum protection from damage.

All outlets in the shed must be GFCI protected, except laundry outlets used exclusively for the washing machine. (Single outlet receptacle).

Provide drawings to show approximate locations of

subpanel, outlets, lights and light switches in shed. Show location of conduit trench with minimum 18" depth, type and size of conduit, wire size and type (see above).

If adding a sub-panel to obtain the required number of circuits, it must be located in the shed and have a main breaker installed. A supplemental ground rod is also required. The rod shall have a minimum of 8' of contact with the earth.

WHAT MUST BE SHOWN ON THE PLOT PLAN?

ELECTRICAL:

1. Size of wire
2. Number of wires
3. Size and type of conduit
4. Depth of burial. (Minimum required is 18".)
5. Does the electrical conduit come up inside or outside of the shed?
 Inside Wall - PVC
 Outside Wall - Rigid Metal or schedule 80 PVC
6. Will there be a panel box.
7. Number of outlets in the shed and where they are located.
8. Number of switches in the shed and where they are located.
9. Number of lights in the shed and where they are located.
10. Indicate the type of lights i.e. flourescent, high efficiency etc.
11. Breaker Size/Rating. (ie. 15, 20, 30 AMP)

WATER:

1. Size of the water lines.
2. Depth of burial. (Minimum required 12")
3. Materials proposed.

SEWER:

1. Size of sewer line.
2. Sewer connection detail.
3. Dept of burial. (Minimum required is 12"). Fall must be 1/4" per foot.
4. Materials proposed.