



COMMUNITY DEVELOPMENT DEPT.

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7/11/11

ELECTRICAL REQUIREMENT FOR KITCHEN REMODEL CBC 2010

1. A dedicated circuit for a dishwasher is required.
2. A dedicated circuit for a disposal is required.
3. A dedicated circuit for a microwave, if built-in, is required.
4. At least two 20 amp dedicated small appliance circuits for the outlets serving the countertop surfaces are required.
5. All outlets serving countertop surfaces are to be GFIC protected. Required outlets serving wet bar sinks are to be GFIC protected within 6 feet of the outer edge of the sink.
6. At least 50% of a kitchen's permanent lighting wattage shall come from high efficacy light fixtures (e.g. fluorescent). All non-high efficacy light fixtures are to be switched separately from incandescent light fixtures.
 - Permanent fluorescent lighting at all indoor rooms shall be by 4-pin fluorescent fixtures.
 - All light fixtures that are to be recessed into insulated ceilings (can lights) shall be insulated contact (I.C.) rated so that insulation can be placed over them. The light fixture housing shall be airtight to prevent conditioned air escaping into the attic or ceiling cavity and unconditioned air infiltrating from the attic or ceiling cavity into the conditioned space.
7. Outlets are required at all countertops 12" or wider and are to be placed such that no point along the wall is more than 24" away from an outlet.
8. At least one receptacle outlet shall be installed at each island or peninsular counter space with a long dimension of 24 inches or greater and a short dimension of 12 inches or greater. A peninsular countertop is measured from the connecting edge.
9. Countertop spaces separated by range tops, refrigerators, or sinks shall be considered as separate countertop spaces in applying the requirements of number 7 and 8 above. Where space behind Island sink or range top is less than 12 inches a receptacle is required for the counter spaces on each side.
10. Receptacle outlets shall be located not more than 20 inches above the countertop. Receptacle outlets shall not be installed in a face-up position in the work surfaces or countertops. Receptacle outlets rendered not readily accessible by appliances fastened in place or appliances occupying dedicated space shall not be considered as these required outlets. Required outlets shall not be installed more than 12 inches below countertop or where countertop overhangs more than 6 inches.
11. Smoke detectors are required in all bedrooms, centrally located in areas leading to bedrooms, one at each story, and one in the basement. Install smoke detectors within 12 inches of the highest point of ceiling.
12. Carbon Monoxide alarm are required in all areas leading to bedrooms and at each floor level.
13. All knob and tube wiring that is exposed when walls are opened must be removed back to the attic or under floor accessible spaces and spliced in a junction box with romex, or other approved wiring method, to be run back to the original location. Knob and tube boxes must be replaced to accommodate new wiring type. If removal of wiring would necessitate opening of additional walls not in the scope of the work, and the wiring is in sound condition, then it may remain.