



SINGLE FAMILY DWELLING (SFD) ELECTRICAL MATERIALS AND APPLICATIONS Effective May 1, 2007

1. No more than twelve (12) duplex receptacles are allowed per 20-amp circuit.
2. Plastic outlet boxes are not allowed in firewalls, unless UL listed and rated.
3. Approved PVC electrical conduit is allowed.
4. PVC water piping is not allowed as conduit for electrical wiring.
5. No. 12 copper wire, 20 ampere, 125-volt circuit, is required on all receptacles.
6. No wiring shall be covered up by insulation or sheet rock until a rough electrical inspection is scheduled and approved.
7. An outside light is required at every entrance into a dwelling unit. A switch is also required within a reasonable distance to a room or hallway that will turn on a light or a switched receptacle in that room.

KITCHENS:

8. In kitchens of dwelling units, the Code requires at least two (2) small appliance circuits, serving counter top receptacles. Each circuit will not have more than four (4) receptacles on it.
9. No space on kitchen counter tops shall be more than 24" measured horizontally from a receptacle outlet.
10. Permanently installed appliances, such as microwaves, must be on a dedicated 20 amp circuits.
11. All receptacles within a six feet (6') radius of a sink or basin shall be GFCI protected, including island counter tops.
12. No point along an imaginary centerline on an island or peninsula is allowed to be more than 48" from a receptacle outlet.

BATHROOMS:

13. All receptacles in bathrooms shall be on a GFI circuit or have a receptacle equipped with GFI protection [NEC 210.8(A)(1)]. At least one 20-ampere branch circuit shall be provided to supply the bathroom outlet(s) [NEC 210.11(C)(3)].
14. In bathrooms, a zone measuring 3 ft. horizontal and 8 ft. vertical from the tub or shower shall be a GFCI zone. The measurement is taken from the nearest high water level to the light fixture.

SLEEPING ROOMS:

15. A smoke detector is required in each sleeping room, each hallway leading to a sleeping room, and if the room adjacent to the hallway exceeds the ceiling height of the hallway by more than 24". Smoke detectors in new construction must be hardwired with a battery backup. Check with the inspector for additional requirements in two story houses.
16. No open bulb fixtures are allowed in closets.
17. Closet light to shelf clearance requirements must be met.
18. Per NEC 210-12(B), arc fault circuit interrupter protection is required for all bedroom branch circuits.

MISCELLANEOUS:

19. Load Calculations will be required on your existing service to show room for expansion when more than five (5) devices are being added. Please note, a fan equals two (2) devices.
20. All outside receptacles shall be on a GFCI circuit and shall consist of weatherproof construction.
21. Receptacles in garages shall be GFCI protected unless the receptacle is for equipment occupying dedicated space.
22. All forced air heating systems must be on a dedicated circuit.
23. Hallways 10 ft. (10') or longer require a receptacle outlet.