

II. SERVICE AND GROUNDING

- ___ 20. Electric service shall comply to NEC 230, 240 and 250.
- ___ 21. Locations of "Service Disconnect(s)" for (each) occupancy shall comply with NEC 230-70, 230-71, 230-72 and shall have illumination (110-16(d)) and headroom (110-16(e) & 384-4) as required.
- ___ 22. Electric service grounding and bonding shall comply with NEC 250 as applicable. Interior metal water piping located more than five (5) feet from the point of entrance to the building shall not be used as conductors to interconnect the electrodes and the grounding electrode conductor per NEC 250-81.
- ___ 23. Ground-fault testing of the of the service disconnect(s) shall comply with NEC 250-95. Provide a copy of written performance test before the final inspection to the Electrical Field Inspector for the permit record as per NEC 230-95(c).
- ✓ 24. Overcurrent protection shall comply with NEC 240 as applicable. Note the requirements of NEC 240-3, 240-24, 230-72(c) and 230-90(a).
- ✓ 25. The total load on any overcurrent device located in a panel board shall not exceed 80% of it's rating where, in normal operation, the load will continue for three hours or more. (NEC 384-16(c))
- ___ 26. Generator grounding shall comply with NEC 250-26.
- ___ 27. Integrity of electrical equipment and conductors shall be maintained as per NEC 110-12(c).

III. FEEDERS, BRANCH CIRCUITRY, LIGHTING, SWITCHBOARDS AND PANELS

- ___ 30. All appliances, heating, motors, A/C units, etc., equipment must have circuit sizing, overcurrent protection, disconnecting means, etc., as per NEC 422, 424, 430 and 440. Electrical appliances, including hot water heaters, shall have a disconnecting means complying to NEC 422-21(b).
- ✓ 31. Exit and/or emergency wiring shall comply to NEC 700. Note the requirements of NEC 700-12(e). Installation of signage required by NEC 700-8 is required.
- ✓ 32. All means of egress lighting, including exit discharge, exit lights, etc., shall be connected to an emergency electrical system that complies with OBBC, Section 2706.
- ___ 33. Provide receptacle outlets and wall switched lighting outlets for heating, air-conditioning & refrigeration equipment as per NEC 210-63 and 210-70(c).
- ___ 34. Identification of ungrounded conductors of branch circuits where more than one (1) nominal voltage system exists, or is to be added to a building, or occupancy, shall comply with NEC 210-4(d).
- ✓ 35. GFCI protection requirements of NEC 210-8(b) and 305-6(a) are required.
- ___ 36. All electrical terminations shall comply to NEC 110-14(c).
- ___ 37. Motor control center(s) (MCC's) shall comply to NEC 430 - Part "H".