

## Commercial Electrical Permit Requirements for Buildings:

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### Plans and Drawings Required:

1. Electrical plans/drawings shall comply with the **Florida Building Code, Fifth Edition, (2014) which includes Florida Energy Conservation Code** (*Chapter 1, Part 2, Sec 107, (3)(5)(Sub section electrical)*) (*items 1 thru 8*) which requires:
  - Wiring
  - Services
  - Feeders and branch circuits
  - Overcurrent protection
  - Grounding
  - Wiring methods
  - GFCI's
  - Equipment
  - Special occupancies
  - Emergency systems
  - Communications Systems
  - Low voltage
  - Load Calculations
  - Design flood elevation
2. Electrical plans/drawings shall comply with **2011 National Electrical Code, NFPA70**

### Description of Acceptable Submittal Items:

- a. Designer name and registration number shall be on all plans with original signature
- b. Type, location, and capacity of all service equipment and grounding on line type riser diagram.
- c. Quantity, size and type of junction box or wire way.
- d. Quantity, size and type of all wiring installed.
- e. Wiring methods, raceway or cable types
- f. Location of every electrical outlet, including switches.
- g. The wattage or amperages of outlets.
- h. The location, voltage, horsepower, kilowatt or similar rating of every motor or generator
- i. The location, voltage, horsepower, kilowatt or similar rating of every motor controller or disconnect switch.
- j. Location and wattage of every transformer or appliance installed.
- k. Details of panel board, switchboard and distribution centers showing type and arrangement of switches, over current device ratings, and control equipment.
- l. Panel or switchboard schedule detailing wattages/amperages, and the number of active or branch circuits to be installed and the number of spare or branch circuits for future use.
- m. The location of fire systems and exit lamps
- n. The load calculations.
- o. Voltage drop considerations

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### Commercial Electrical Permit Requirements for Installations not Associated to Buildings

Include as many of the elements listed above that apply to your project and should include, service riser diagram and ratings, load calculations, wiring methods and connected loads