



Plan Guidelines

Commercial Building - Electrical

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Plans and Drawings Required:

- Electrical plans/drawings shall comply with the current Florida Building Code, which includes Florida Energy Conservation Code (Chapter 1, Part 2, Sec 107, (3)(5)(Subsection 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
- Electrical plans/drawings shall comply with the current National Electrical Code

Description of Acceptable Submittal Items:

- Designer name and registration number shall be on all plans with original signature
- Type, location, and capacity of all service equipment and grounding on line type riser diagram
- Quantity, size and type of junction box or wire way
- Quantity, size and type of all wiring installed
- Wiring methods, raceway or cable types
- Location of every electrical outlet, including switches
- The wattage or amperages of outlets
- The location, voltage, horsepower, kilowatt or similar rating of every motor or generator
- The location, voltage, horsepower, kilowatt or similar rating of every motor controller or disconnect switch
- Location and wattage of every transformer or appliance installed
- Details of panel board, switchboard and distribution centers showing type and arrangement of switches, over current device ratings, and control equipment
- 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.
- The location of fire systems and exit lamps
- The load calculations
- Voltage drop considerations

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