

# PIKES PEAK REGIONAL BUILDING DEPARTMENT

## Commercial Plan Check Electrical Requirements

*Include the following items when on new or modified drawings for compliance with the 2008 National Electrical Code (NEC)*

- ◇ ENGINEER STAMPED ELECTRICAL SHEETS
- ◇ INTERNATIONAL ENERGY CONSERVATION CODE CALCULATIONS (use COMcheck-EZ)
- ◇ ONE LINE, including existing services
  - ◆ Wire size, type, and quantity for service and sub panel feeders
  - ◆ Conduit size, type, and quantity
  - ◆ Meters, disconnects and panels
  - ◆ Calculated load of service for the entire building (Article 220, 2008 NEC)
  - ◆ Fault current calculations for all new service equipment and sub panels
  - ◆ Series rating information (including plaques) when used
- ◇ PANEL SCHEDULE
  - ◆ Disconnect and panel size
  - ◆ Volt amps on all branch circuits and calculated load of panel
  - ◆ Panelboard AIC rating
- ◇ FLOOR PLANS
  - ◆ Location of all service equipment on the structure (new and existing)
  - ◆ Location of all equipment, lights and panelboards
  - ◆ Circuit numbers on all electrical equipment (new and relocated)
  - ◆ Circuit numbers on all receptacle and light outlets
  - ◆ Dual level switching/occupancy sensors in rooms with more than one (1) light fixture
  - ◆ Commercial garages compliance with Article 511, 2008 NEC (Design Professional must specify major or minor repair garage)
  - ◆ Patient care areas compliance with Article 517.13, 2008 NEC, including switches
  - ◆ Commercial kitchens compliance with Article 210.8(B)(2), 2008 NEC
- ◇ ADDITIONAL ITEMS
  - ◆ Kitchen equipment schedule with load data
  - ◆ Lighting fixture schedule including fixture and lamp wattage, type of fixture and light details
  - ◆ Track lighting compliance with Section 805.5.1.4 Line-voltage track & plug-in busway, 2003 IECC