

# PIKES PEAK REGIONAL BUILDING DEPARTMENT

## Commercial Plan Check Electrical Requirements

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

### 1. ENGINEER STAMPED ELECTRICAL SHEETS

### 2. COMPLIANCE WITH AND CALCULATIONS FOR THE INTERNATIONAL ENERGY CONSERVATION CODE (use COMcheck-EZ).

### 3. ONE LINE SERVICE, including existing services, *include the following:*

- Wire size for service and sub panel feeders
- Conduit size
- 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 (include SCA and SCCR for all components of the Series Rated System)

### 4. PANEL SCHEDULE *include the following:*

- Disconnect and panel ampacity (main breaker, buss)
- Volt amps on all branch circuits and calculated load of panel
- Panelboard SCCR

### 5. FLOOR PLANS *include the following:*

- 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/or relocated)
- Circuit numbers on all receptacle and lighting outlets (new and/or relocated)
- Dual level switching/occupancy sensors in rooms with more than one (1) light fixture
- Commercial garages- compliance with Article 511, 2008 NEC
- Patient care areas- compliance with Article 517.13, 2008 NEC, including switches and lights
- Commercial kitchens- compliance with Article 210.8(B)(2), 2008 NEC

### 6. ADDITIONAL ITEMS

- Kitchen equipment schedule with load data
- Lighting fixture schedule including fixture and lamp wattage, type of fixture and light details

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