



— EST. 2007 —
APPROVED CODE
SERVICES

VII. Electrical Plan Review - Required Information from PA L&I Form UCC2

- Sheet # ____ N/A a. Provide panel schedules with circuit and feeder loading, over current protection, and NEC load summaries for all new and/or affected panels and services (loading has to be evaluated by highest phase); include fault current data, short circuit ratings and fault current protection coordination.
- Sheet # ____ N/A b. Provide a single line riser diagram showing all new and/or affected services, feeders, wire sizes and insulation types, and conduit sizes and types.
- Sheet # ____ N/A c. Indicate number of services and their physical locations; clearly indicate mains and characteristics.
- Sheet # ____ N/A d. Indicate grounding electrode conductor size with new and/or affected services and transformers; where necessary provide details or notes on methods.
- Sheet # ____ N/A e. Show physical locations of all new and/or affected panels and switchgear (indicate front).
- Sheet # ____ N/A f. Indicate receptacle plans with circuitry.
- Sheet # ____ N/A g. Indicate lighting plans with circuitry.
- Sheet # ____ N/A h. Show electrical plans for each affected floor, including the roof.
- Sheet # ____ N/A i. Show wiring method(s), conduit sizes and types, termination temperature (60, 75, 90) requirements, conductor sizes and insulation types.
- Sheet # ____ N/A j. Indicate the design and/or operation for any of the following applicable life safety systems: emergency generators, smoke evacuation, shaft pressurization and relief, smoke detection, egress and emergency lighting, and fire alarms.
- Sheet # ____ N/A k. Indicate how special needs such as classified (hazardous), corrosive and patient care are treated. Provide detailed plan of classified areas, the classifications and how complied with (i.e. hangers, waste treatment and collection, flammable dusts, gases or liquids, spray booths, vehicle servicing and parking, etc.).
- Sheet # ____ N/A l. Provide all HVAC nameplate data, including MCA and MOCP. List all other appliance and/or equipment (other than those which will be connected to a general use receptacle) with nameplate data (i.e., voltage, phasing, HP, KVA, FLA, RLA, etc.).
- Sheet # ____ N/A m. Indicate all motor horse power ratings, if not supplied elsewhere.
- Sheet # ____ N/A o. All penetrations of fire-rated construction must be per manufacturer's details. The details shall meet or exceed ratings of construction being penetrated. Penetration details shall be exactly as tested by an approved testing laboratory or agency and shall include their system numbers. New penetrations of existing fire-rated walls and assemblies shall be shown with appropriate designs.
- Sheet # ____ N/A p. Provide all applicable International Energy Conservation Code compliance data on the Building Code Summary sheet or on the electrical plans.