

Electrical Requirements

Design by a Registered Electrical Engineer is Required for the following:

1. All services rated 1600 amperes or larger, or any special considerations to the service.
2. Anything that requires engineering supervision by the NEC.
3. When the Building Official feels that it is warranted, based on the complexity, hazard, NEC compliance, or other unique aspects of the proposed design.

Submit six copies of the following for Electrical Plan Review:

- Electrical plans sealed and signed by a Registered Professional Electrical Engineer. (When Required)
- Electrical plans showing power and lighting for each floor and the location of all electrical panel boards.
- Electrical panel schedules with the loads indicated in volt-amperes (VA) or kilovolt-amperes (KVA) and the listed interrupting rating (A.I.C.) of all overcurrent protective devices.
- Riser diagram showing the point-to-point available fault current and the raceway size and type, the conductors size and type, and grounding methods. Include a detail of the grounding electrode system.
- Complete electrical load calculations, including an electric load summary showing all applicable demand factors.
- Complete fault current calculations through the panel board level or provide sufficient information to verify fault current calculations.

The School District requires electrical permits and inspections for all low voltage and fiber optic wiring covered in the National Electrical Code to ensure that the wiring being installed is listed for the application, properly installed, and that all penetrations through fire-rated assemblies are adequately protected.