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# Generator Permits

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## PLANS & PERMITS

1. A completed building permit application.
2. Three (3) completed, securely bounded sets of plans; (4) sets for propane generators.

### **Site Survey Drawing:**

- Indicate generator and fuel tank locations. Planning Department approval necessary.
- Indicate location of all operable windows and operable doors near generator exhaust (Generator spacing from the building shall meet manufacturer's specifications from all openings and operable doors). The location of the generator shall be on side or rear of property with a minimum setback of 30 feet from property line.

### **Slab Drawing:**

Provide applicable structural plans. These plans shall indicate, **as a minimum:**

- Provide the size and depth of the slab and type of reinforcement use
- Provide generator anchoring details

### **Electrical Riser Diagram:**

- Provide electrical riser diagram. These plans shall indicate the service, panel(s), transfer switch(s), main disconnect(s), generator installation, over-current protection, grounding, conduit sizes, and wire sizes.

### **Generator:**

- Provide information for the generator showing KW rating, ampacity, voltage, phase, and fuel source (container dimensions, capacity, and location).
- All loads connected to the generator shall be identified.
- Provide load calculations for the generator. All loads shall be identified. NEC Article 220 shall be used to calculate existing loads. Where the generator is connected to the load through a cord and-plug (**Exposed metal parts shall be non-current carrying.**), the receptacle shall be sized for the corresponding over-current protection at the generator or other over-current protection at the generator or other over-current protection device in front of the receptacle.
  - a) Where an automatic transfer switch is used, provide automatic load shedding to reduce total load imposed on generator.
  - b) Generator shall be sized for the load served. NEC Article 220 shall be used to calculate the existing load.
  - c) Provide dBA sound ratings as required per local ordinances Sec. 5-2.02. (50 dBA)

**Note: The Town of Los Altos Hills has adopted the 2019 California Electrical Code (CEC), based on the 2017 NEC.**

## **INSPECTIONS**

1. Underground conduit trench.
2. Slab rebar.
3. One final inspection by Building is required after receiving any Planning, Engineering, or Fire final inspections and after all work has been completed.

## **OTHER REQUIREMENTS**

### **Transfer Switch:**

- All generators shall be rated for the connected load.
- Manual Transfer Switch: (Options)  
Sized for the intended load on the electrical service OR Sized for optional standby panel(s), which may be built into the panel(s) and transfer switch(s).
- Automatic Transfer Switch: (Options)  
Size to transfer the entire load on the electrical service OR pre-select the loads to be served with an optional standby panel(s) and transfer switch(s)

### **Sign:**

- A permanent sign shall be placed at the electrical service entrance equipment that indicates the location of on-site optional standby power sources, and where to disconnect.
- A permanent sign shall be placed at the transfer switch location indicating the sequence of operation to start the generator and transfer the electrical loads.

### **Fire Department Requirements:**

- Check with the Fire Marshall for any other requirements. (408) 378-4010 (i.e. hazardous materials, setbacks, etc.)