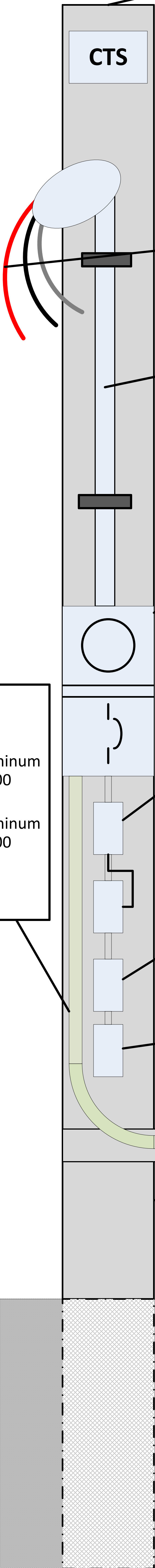


**Consult with the local utility.**  
Electric Service Requirements Manuals for Design and Installation Guidelines for Temporary Construction Services (CTS)

Obtain the required permits and approvals. Demolition, Building, Electrical, Land Use

**Service Entrance Conductors**  
A minimum #3 copper THWN for a 100 Amp circuit breaker, or A minimum #3/0 copper THWN for a 200 Amp circuit breaker  
**CEC 310.16 Ampacity of Conductors**



**Service Entrance Riser**  
shall be a metallic conduit or schedule 80 or schedule 40 PVC raceway.  
**CEC 230.43**

**Outdoor Service**  
120/240 Volt Single Phase 3 Wire  
100 Amp Minimum or 200 Maximum Main Circuit Breaker  
**CEC 230.79**

**2 ea. 20 Amp 120 Volt**  
Duplex receptacles GFCI Protected with extra-duty weatherproof cover  
**406.9 (B)(1) Wet Locations Receptacles**  
**590.6 Ground-Fault Protection for Personnel**

**Grounding Electrode Conductor**  
#8 Copper or #6 Aluminum Armored Cable for 100 amp service  
#4 Copper or #2 Aluminum Armored Cable for 200 amp service  
**CEC 250.66**

**30 Amp 120/240 Volt**  
Twist Lock receptacles with weatherproof cover  
**CEC 406.9 (B) (2) Other Receptacles Wet Locations Receptacles.**  
**CEC 590.6 Ground-Fault Protection for Personnel**

**50 Amp 120/240 Volt**  
Twist Lock receptacle with weatherproof cover.  
**406.9 (B) (2) Other Receptacles Wet Locations Receptacles.**  
**CEC 590.6 Ground-Fault Protection for Personnel.**

**Ground Rods**  
A minimum of 2 each 5/8 inch X 10 foot copper-clad ground rods. Shall be driving into the earth a minimum of 8 feet.  
**250.52 Grounding Electrode**  
**250.53(A) (2) Grounding Electrode System Installation**

**2x4 Wood Support**

**2x2 Wood Support**

The first rod shall be placed a minimum of 1 foot away from the pole.

Second rods shall have a minimum of 6 feet of separation between the first rod and the second rod.

1. Permits and Inspection of electrical systems are required before equipment can be energized.
2. All electrical equipment shall be in good working order.
3. No corrosion of bus bars and termination on lug and overcurrent devices. (Fuses and Circuit Breakers)
4. All dirt and debris shall be removed from and cleaned from electrical equipment.
5. Service equipment and overcurrent protection shall be suitable for the available fault current. Consult the local Utility.
6. Supplemental permits and inspection shall be required for any addition to the electrical system.
7. A Land Use, Demolition, or Building permit shall be issued before the service equipment is released to the Utility to be energized.