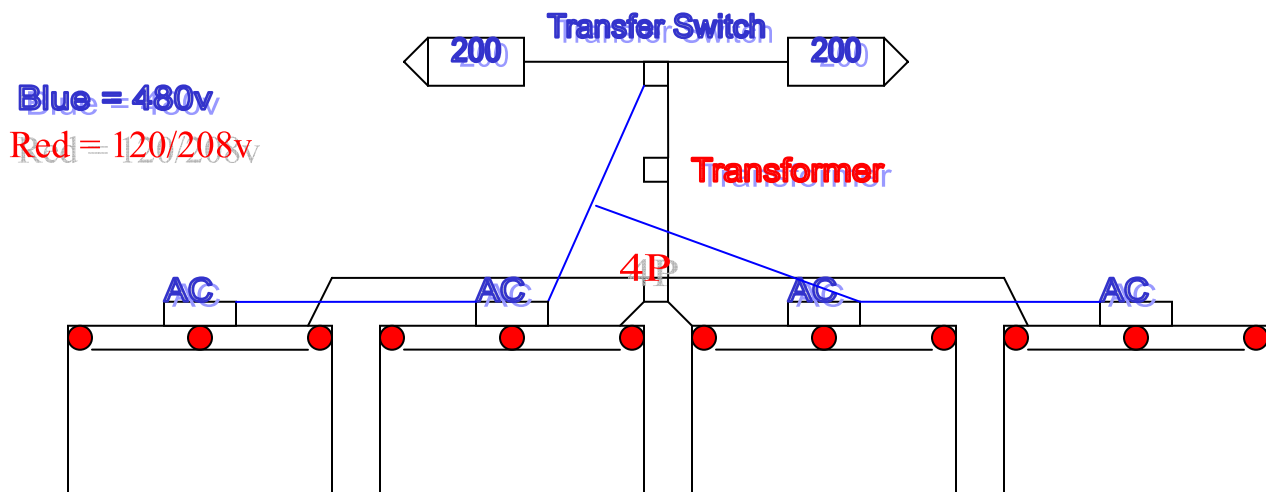


Estimating Electrical Distribution:

1. Acquire an accurate layout of the work area or do one as close to accurate as possible.
2. Draw in required 120 volt or Edison plug (The standard 5-15 and its two pin counterpart) circuits required using a red dot. Remember to keep circuits in groups of 3, as this is what is on a quad string or 3 gang box.
3. Draw in all 220v requirements (office trailers, showers, kitchens, small AC's) and note amps and single or three phase, using a red dot with a circle around it.
4. Draw in any large services (over 50 amps) and note single or three phase and whether it is 208v or 480v.
5. Group requirements into # of required plugs (quad strings and 220v's). Try to use groups of 4, 6, or 10, as these are the common # of positions on most panels. A 4 position panel would feed 4 quad box strings (12 circuits). A 6 position might feed 4 quad strings and 2 additional 220v requirements. A 10 position panel could supply any combination of requirements from a 20 amp GFCI duplex to a 50 amp 3 phase.
6. Draw in the required panels and place them in an accessible area out of traffic areas, usually to the rear of an area.
7. Draw in the feeder cable necessary to plug in all required quad strings and other services.
8. Draw in any cable ramps and ADA ramps in traffic areas and note the length in feet required.
9. Draw in any transformers to feed panels if necessary.
10. Draw in generators. Generators can be sized to the individual areas or areas can be grouped according to desired generator sizes.
11. Draw in transfer switches between generators.



- 2 – 200 Kw Generators
- 1 – 400 amp Transfer Switch
- 1 – 45 Kva Transformer
- 1 - 4 Position Panel
- 4 – Quad Box Strings
- 4 – 50' 12/5 Quad Extensions
- 8 – 25' 4/0 Cam-Lok Extensions
- 4 – 50' 4/0 Cam-Lok Extensions
- 3 – 50' #1 Banded Cam-Lok Sets
- 4 – 20 Ton Special Event AC's

Install Date: 10-15-06
 Operation Dates: 2 months
 Hours of operation: 24-7