

FREEMAN

ELECTRICAL SERVICES USAGE GUIDE

The following wattages are approximate and are provided to help you estimate your power usage. To assist in estimating we recommend that you refer to the name plate or stamp usually located on the back or bottom of any electrical apparatus and order the corresponding outlet for each piece of equipment to avoid tripping/power outages during the event.

The formula for wattage is voltage x amperage (120 volt x 1 amp = 120 watts),
 5 - 100 watt light bulbs = (5x100 = 500 watts)

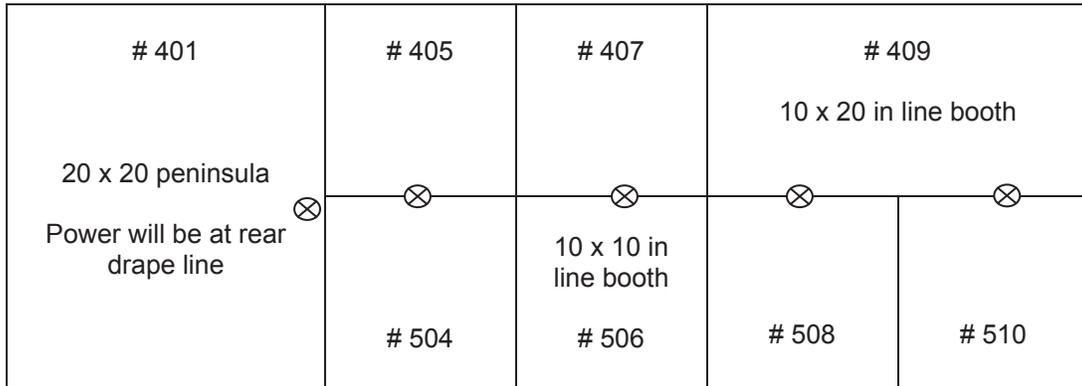
| | WATTAGE | | WATTAGE |
|---------------------------------------|-----------------------------|-----------------------------------|--|
| Blender | 475-1000 | Imprinter for T-Shirts | 2000 |
| Can Opener | 500 | Iron | 700-1100 |
| Card Reader (credit) / Lead Retrieval | 100 | Juicer - Single | 500 |
| Cash Register | 100-200 | Juicer - Double | 1000 |
| Coffee Pot - Household Size | 600-1200 | Laminator | 2000 |
| Coffee Pot - Large Brewer | 1500-2000 | Lights with Freeman Rental Booths | 200 each |
| Computer - Monitor (independent) | 120-200 | Meat Slicer | 500-1000 |
| Computer - Desktop (monitor & CPU) | 200-900 | Microwave Oven | 500-2000 |
| Computer - Laptop | 100-300 | Mixer | 500-1000 |
| Computer Printer - Dot Matrix | 100-500 | Photocopier | dependent upon size - may require 208 volt |
| Computer Printer - Laser | 400-1000 | Pizza Oven (small) | 30amp/120 volt Special Connection |
| Crock Pot | 200-1000 | Popcorn Maker | 2000 |
| DVD Player | 50-100 | Projector (dependent upon size) | 1000 |
| Electric Frying Pan | 1200-2000 | Refrigerator - Small | 400 |
| Fax Machine | 1000 | Refrigerator - Full Size | 750 |
| Flat Screen TV - 32" to 50" | 1000 | Sewing Machine | 1000 |
| Food Processor | 500-2000 | Steamer | 2000 |
| Glue Gun | 300 | Stereo (amplifier) | 100-500 |
| Griddle | 1500-2000 | Television | 100-500 |
| Hair Dryer | 1000-2000 | Toaster | 1000 |
| Heat Lamps (per lamp) | 250 | Toaster Oven | 1500 |
| Heater (portable) | 1500-2000 | Vacuum Cleaner | 1500 |
| Hot Plate Single | 1000 | VCR | 100 |
| Hot Plate Double | 1500-2000 | Water Cooler - Cold Water | 1000 |
| Hot Water Heater | 30amp/208 volt/Single Phase | Water Cooler - Hot/Cold Water | 2000 |

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SAMPLE LAYOUTS

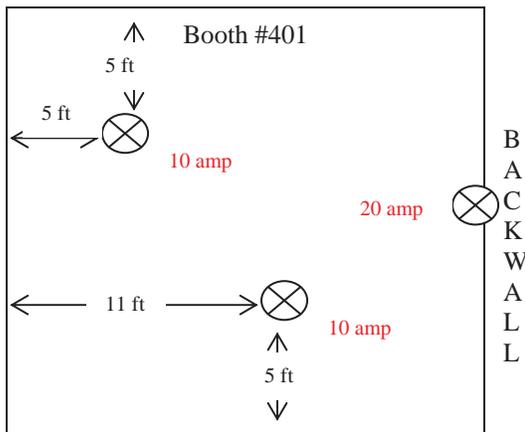
IN LINE BOOTHS

Power is run or dropped to in line booths along the back walls or drape line of multi booth sections. The “main power locations” therefore are always located at the back of in line and peninsula booths. Outlets may not be in the exact center of the back wall. 120 volt outlets are shared by back to back booths. Example: Outlet = 

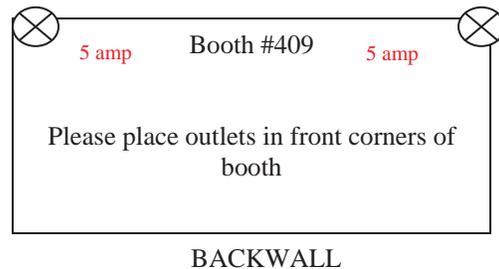


Electrical layouts are required whenever an outlet is needed at any other location within the booth except for the back wall. Exact measurements and/or comments that clearly indicate outlet locations **must be included**. Examples based on above floor plan:

20 x 20 Peninsula – Booth # 401
Order = 2-10 amp, 1-20 amp outlets



10 x 20 In Line – Booth # 409
Order = 2 x 5 amp outlets



ISLAND BOOTHS

Electrical layouts are always required for island booths and **must include** the following information:

1. Main Drop.

Since there is no back wall in an island, the exhibitor supplies the location of the main drop, whether one or multiple outlets are ordered. When it will be the point from which power will be distributed to other outlets in the booth, a panel or other piece of electrical equipment (no larger than? x? x?) will be installed at the main drop. For this reason, it is recommended that main drops be located in a closet, under a table/desk or in another area that keeps it out of sight. Measurements must be provided to the main drop.

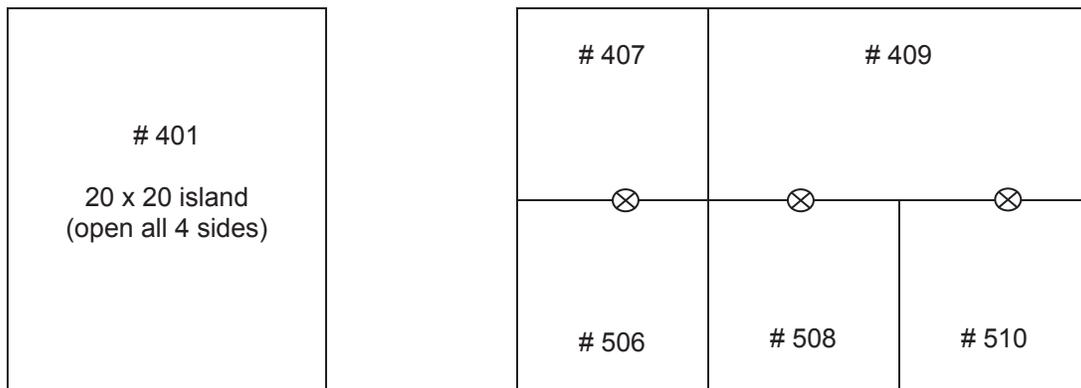
2. Location and load of all outlets.

Again, dimensions must be provided to all satellite outlets along with the load of each outlet. It is best to indicate voltage, phase and amperage for all outlets once an order exceeds 120 volt service.

3. Booth orientation.

Providing reference points such as surrounding aisle and/or booth numbers defines how an island booth is oriented to the overall show floor plan. In other words, which side is which? It is best to draw your layout relative to the show floor plan so that both are facing the same direction. Examples:

Section of show floor plan



20 x 20 Island – Booth # 401

Order = 1 x 208 volt, 3 phase, 10 amp + 120 volt, 2 x 20 amp + 2 x 5 amp outlets

