



**ELECTRICAL SERVICES USAGE GUIDE**

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.

Please note that there is a minimum of 500 watts per outlet. A 500 watt (5 amp) outlet cannot be split. A 1000 watt (10 amp) outlet can only be split one time. A 2000 watt (20 amp) outlet can only be split three times.

The formula for wattage is voltage x amperage (120 volt x 1 amp = 120 watts)

Example: 5 - 100 watt light bulbs = (5 x 100 = 500 watts)


The following wattages are approximate and are provided to help you estimate your power usage.

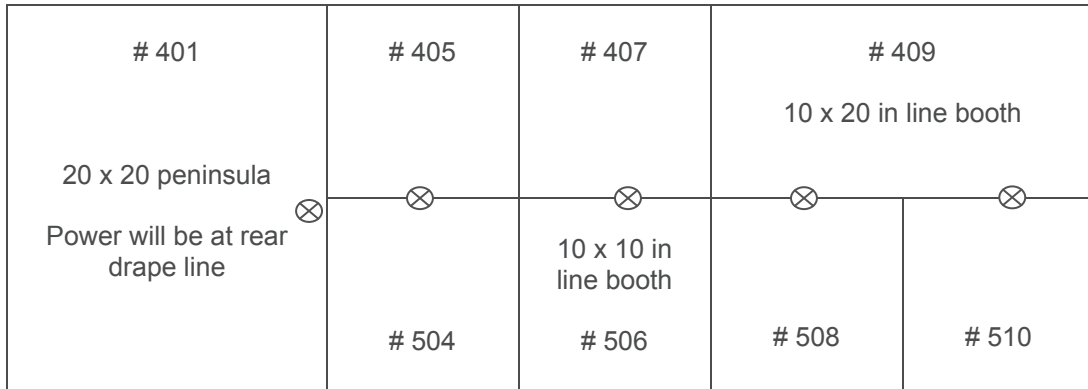
ITEM	ESTIMATED WATTAGE
Arm Lights .....	75-100
Card Reader (credit) / Lead Retrieval.....	50
Charging Furniture – Freeman Event Collection .....	500
Charging Furniture – Freeman Furnishings.....	500 per port (1000 max)
Computer.....	250-500
Computer – Laptop.....	100
Blu-Ray / DVD Player .....	50-100
Heater (Portable).....	500
Heat Press for T-Shirts .....	2000
iPhone/Android .....	20
iPad/Tablet .....	25-50
Kitchen Appliances .....	500-2000
Laminator.....	2000
LED Panels.....	500-1000
Projector .....	1000
Refrigerator (Small) .....	500
Refrigerator (Large).....	1000
Smart Reg Counter by Freeman (lit) .....	500
Steamer .....	2000
Stereo .....	100-500
Vacuum Cleaner .....	1500
Water Cooler .....	1000
TVs/Monitors .....	1000 (update television line)
Espresso Machine .....	30amp/208 volt, single phase



# SAMPLE LAYOUTS

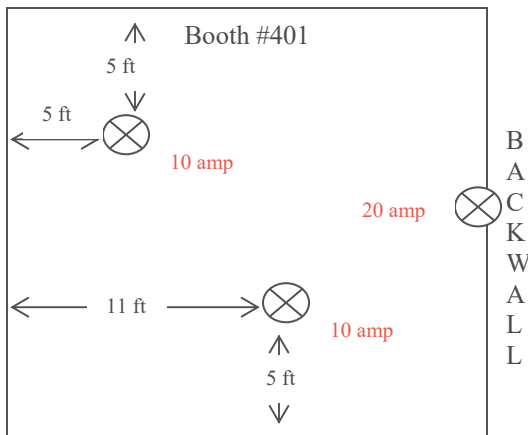
## IN LINE BOOTHS

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 = 

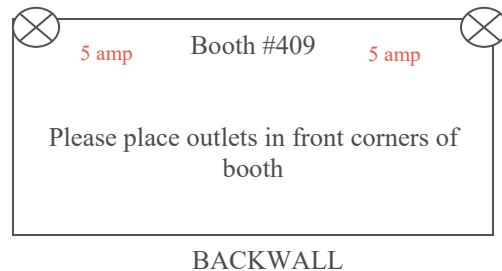


Electrical layouts are required whenever an outlet is needed at any other location within the booth except for the back wall. Exact measurements and/or comments that clearly indicate outlet locations **must be included**. Examples based on above floor plan:

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.

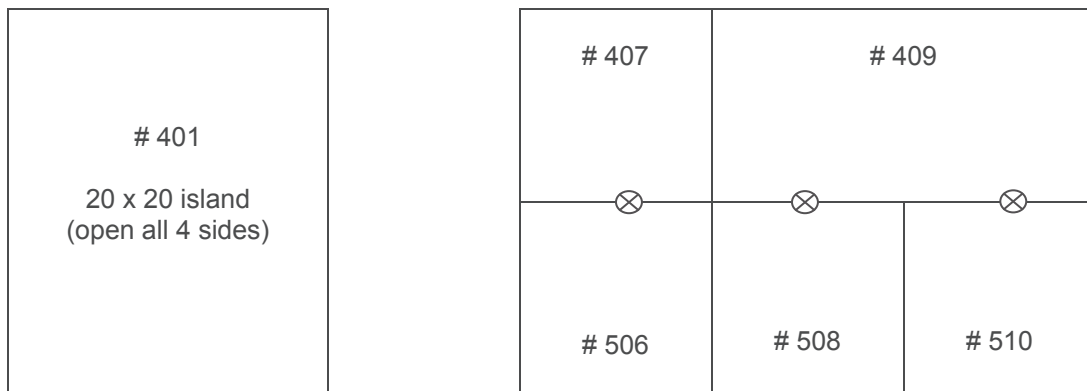
### 2. Location and load of all outlets.

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

