



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

ELECTRICAL SERVICES

The grid below may be printed to layout your electrical requirements for booths up to 40 x 40 or used as a sample to develop your own plan for larger exhibits. Please complete as clearly as possible, indicating the following:

1. **Location of the main power drop.** Power needs to be distributed from one location at which a panel or other piece of electrical equipment will be installed. It is recommended that this equipment be placed in a closet, under a table/desk or in another location that keeps it out of sight. Please provide specific dimensions.
2. **Location and load of all outlets.** Please provide specific dimensions and wattages/amperages. *Please do not simply place an X where power is required.*
3. **Booth orientation.** Please provide surrounding aisle and/or booth numbers, particularly for island booths. Also, please try to orient your booth to the overall floor plan so that the diagram does not have to be rotated.

SHOW NAME _____

DATES _____

COMPANY NAME _____

BOOTH # _____

Adjacent Aisle or Booth# _____

Adjacent Aisle or Booth # _____

Adjacent Aisle or Booth # _____

A large grid of 40x40 squares, intended for layout planning. The grid is composed of small squares, each representing a specific area based on the measurement scale provided at the bottom of the page.

Adjacent Aisle or Booth # _____

A measurement scale can be applied as necessary to reflect the size of your booth.


10 x 10 use 1 square = 1/4 foot

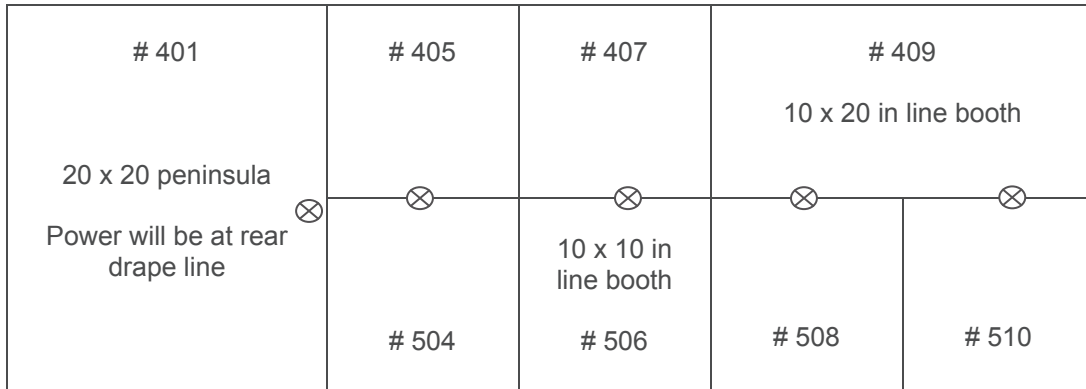
20 x 20 use 1 square = 1/2 foot

40 x 40 use 1 square = 1 foot

SAMPLE LAYOUTS

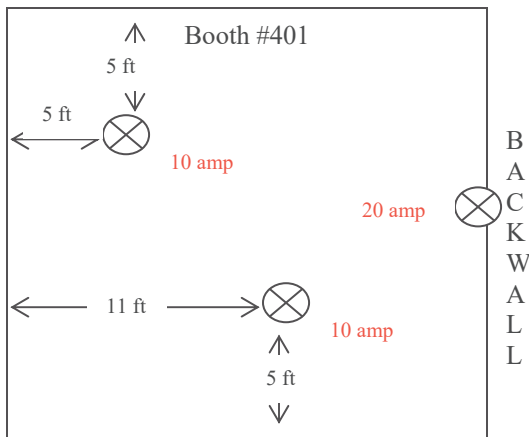
IN LINE BOOTHS

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 = 

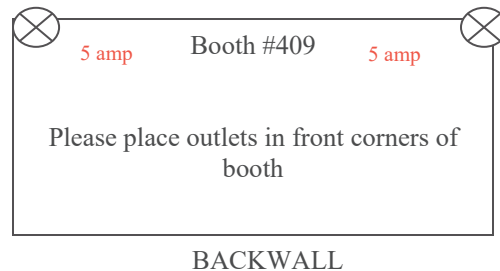


Electrical layouts are required whenever an outlet is needed at any other location within the booth except for the back wall. Exact measurements and/or comments that clearly indicate outlet locations **must be included**. Examples based on above floor plan:

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.

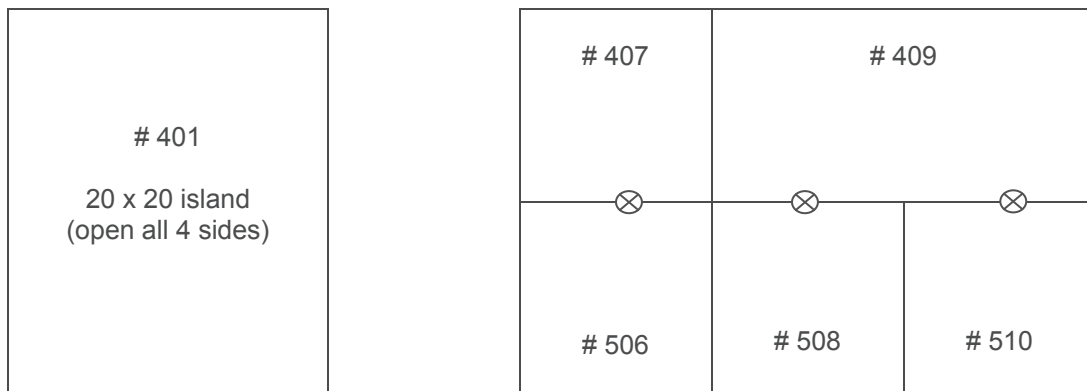
2. Location and load of all outlets.

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

