

# **Armadillo Christmas Bazaar Lighting Tutorial**

**Example - Construction Layout for a 10'x10'  
Simple Hard Wall (Theater Flat) Showing  
Tape Mark Borders, Walls, Braces, Truss, Lighting, and Power**

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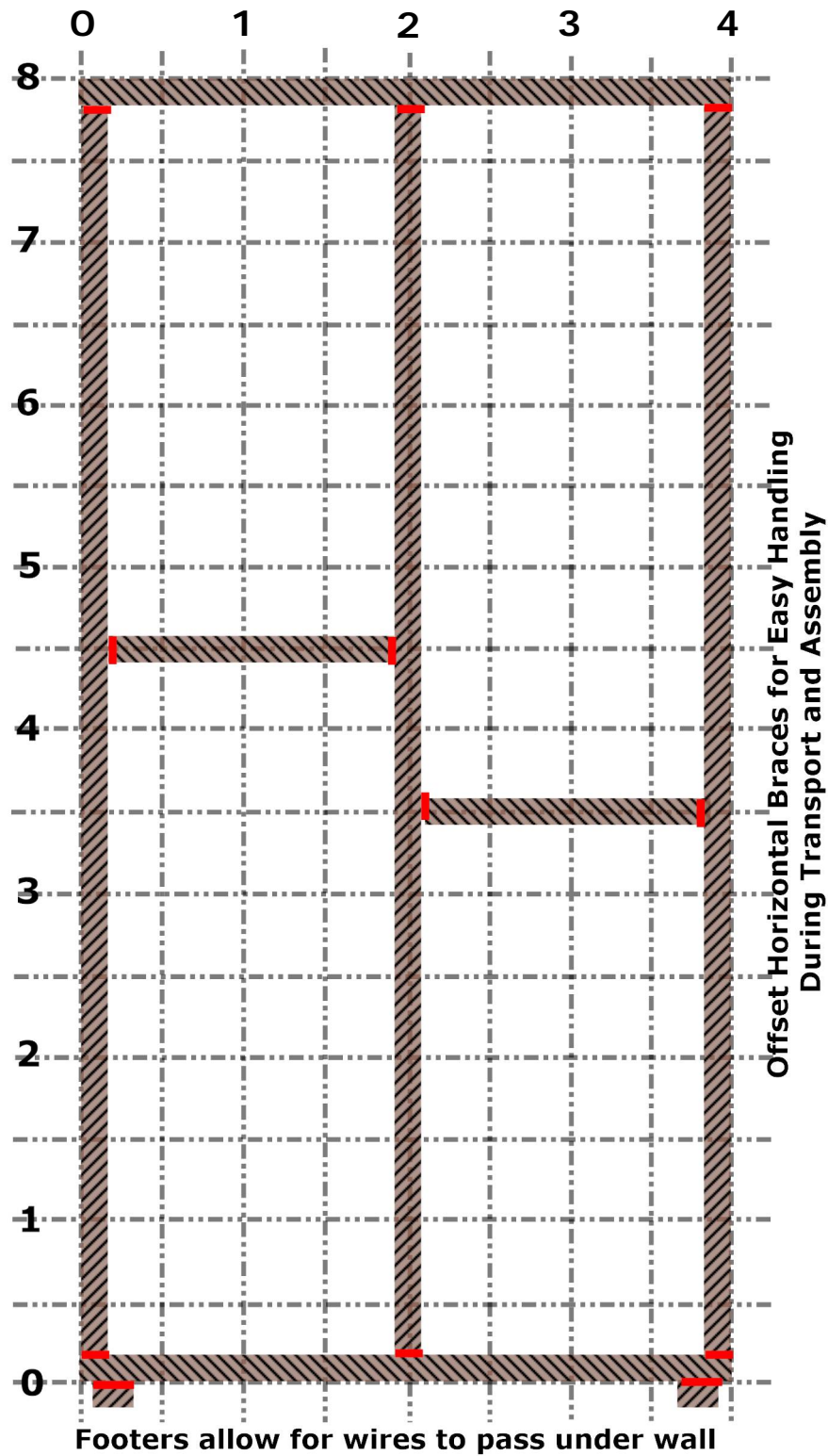
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Armadillo Christmas Bazaar  
Theater Flat Panel Frame  
4' X 8' X 2"



**Connection Point**

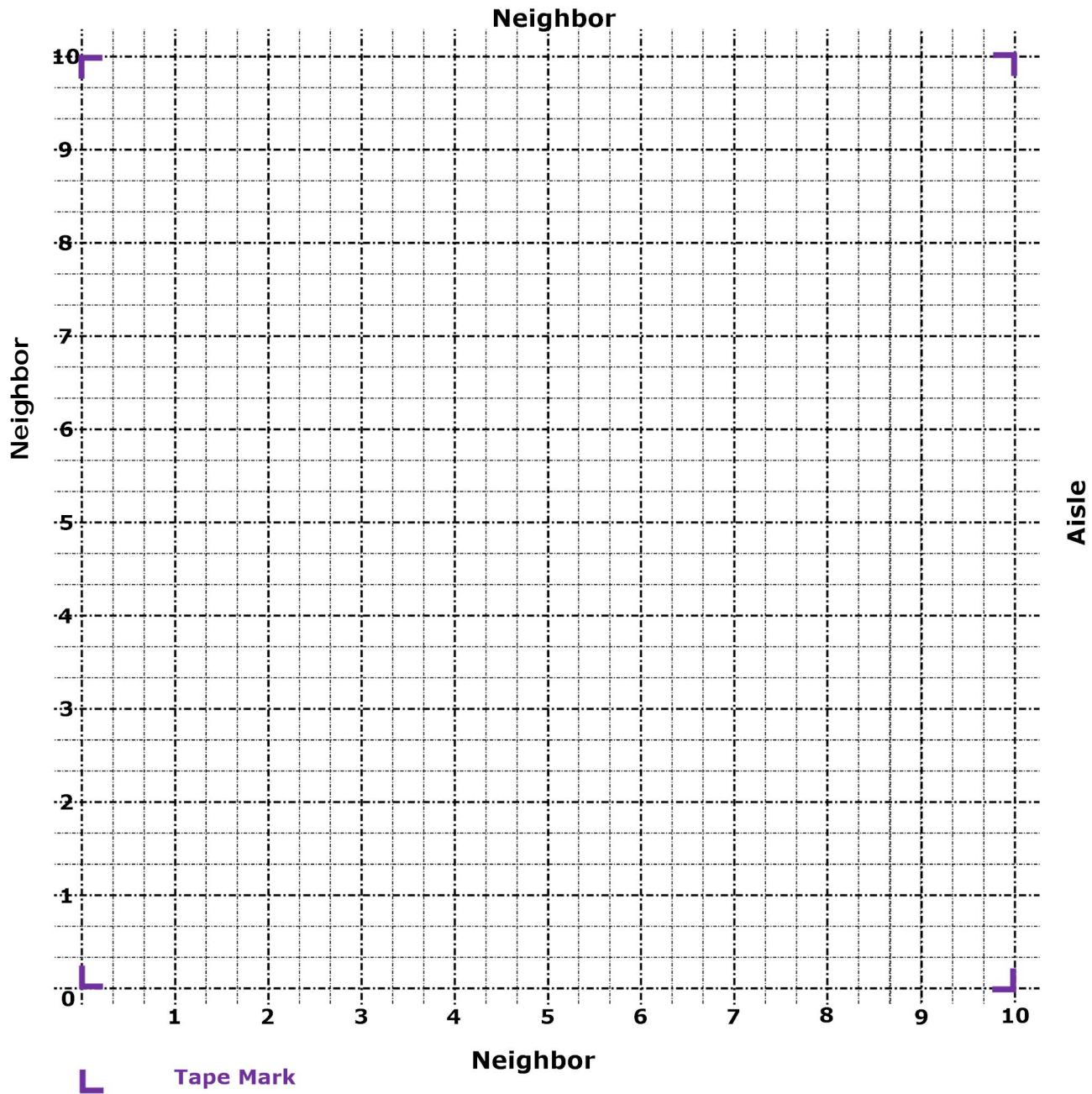
**2" X 2" x 8' Lumber**

1 Sheet, 4'x8', quarter inch, A/B Grade Plywood

3.5 Sticks of Lumber

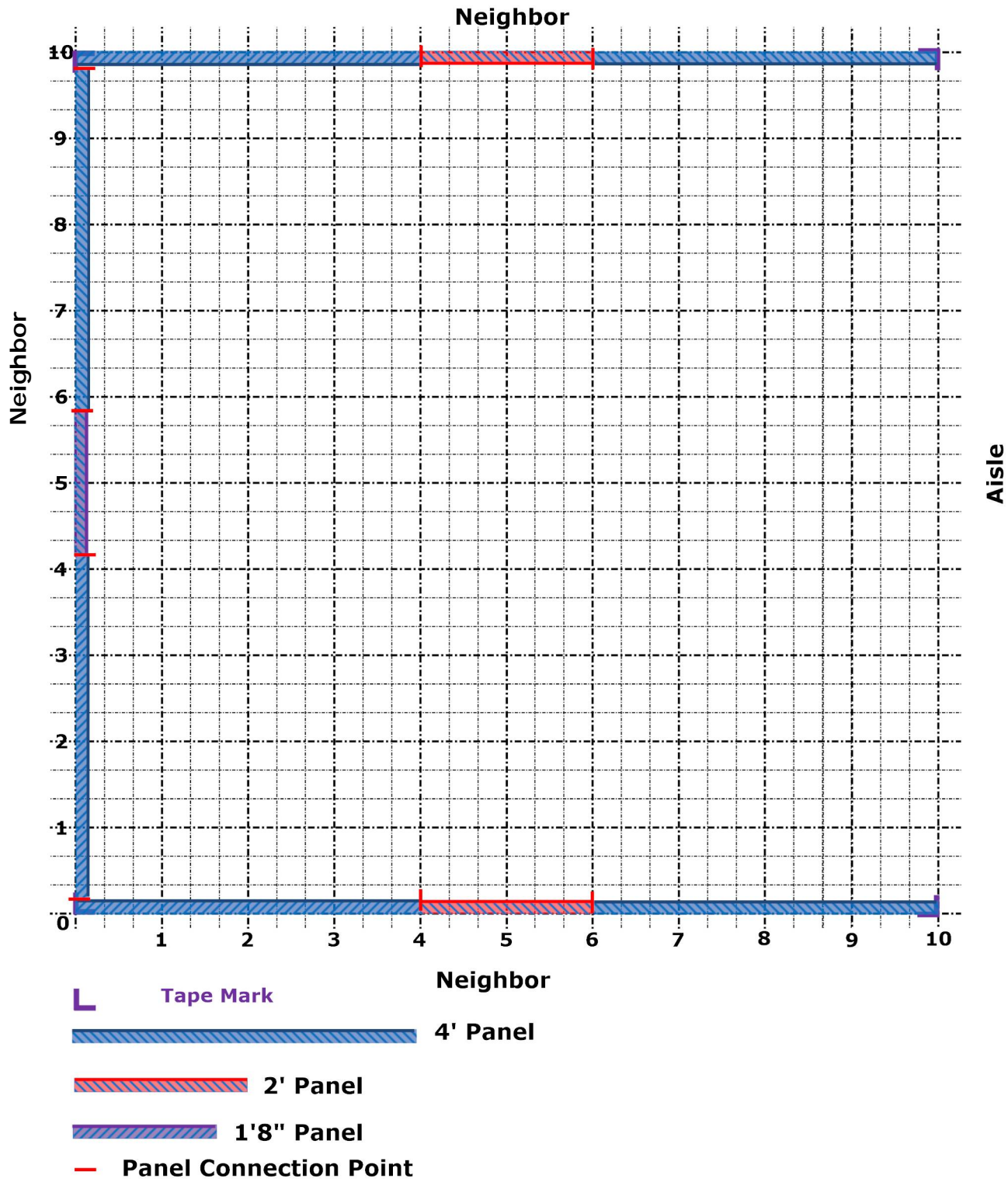
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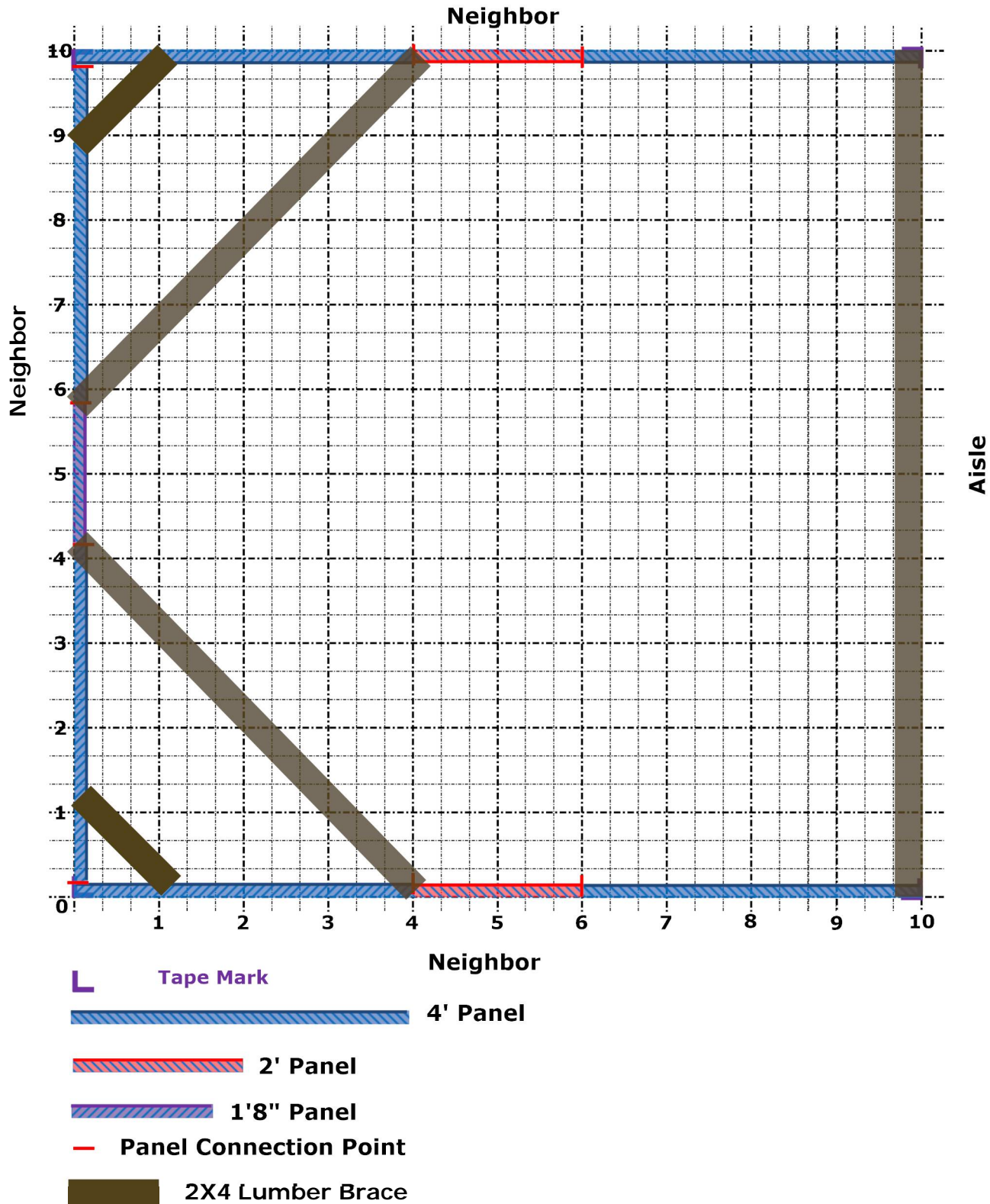
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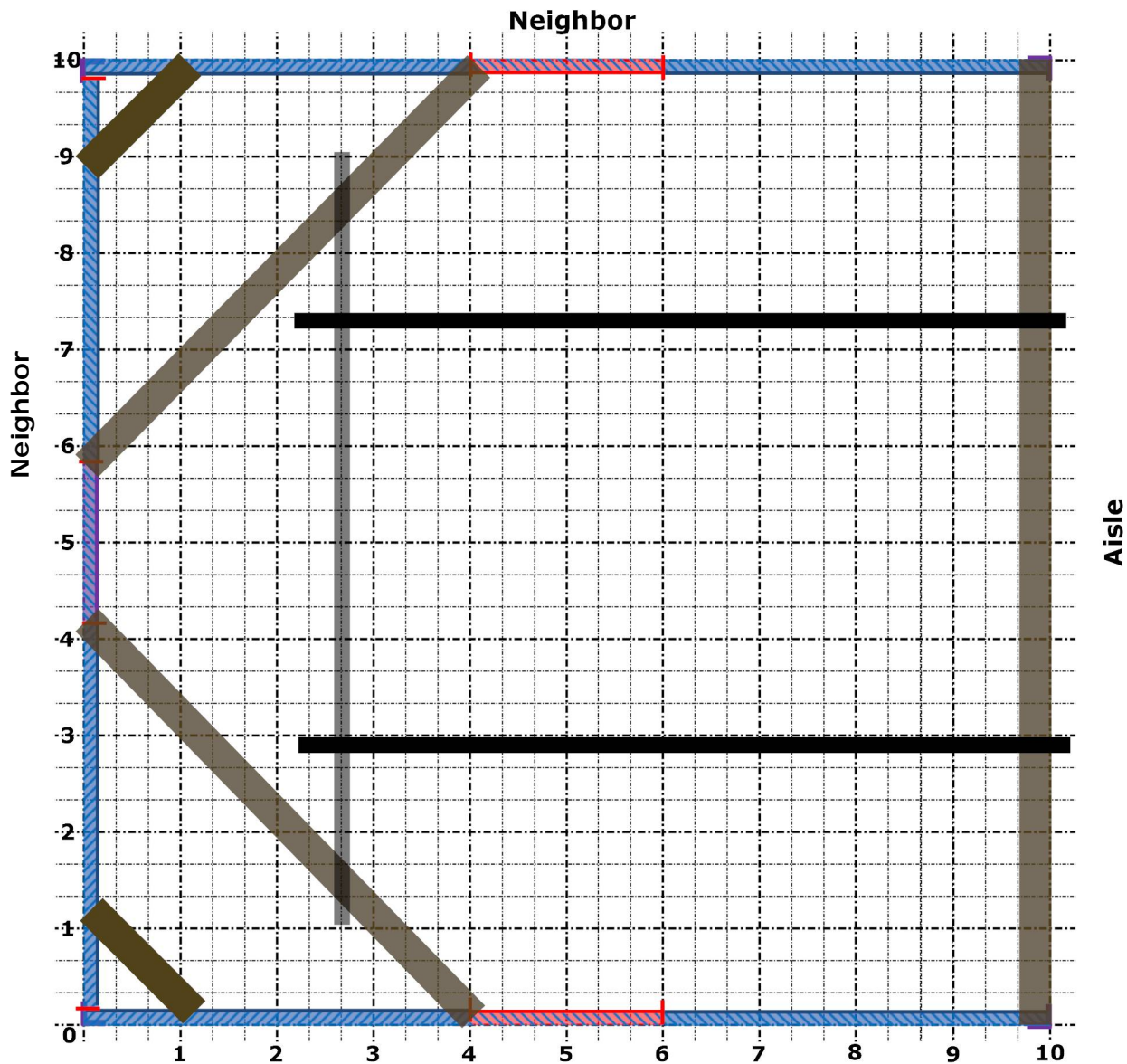
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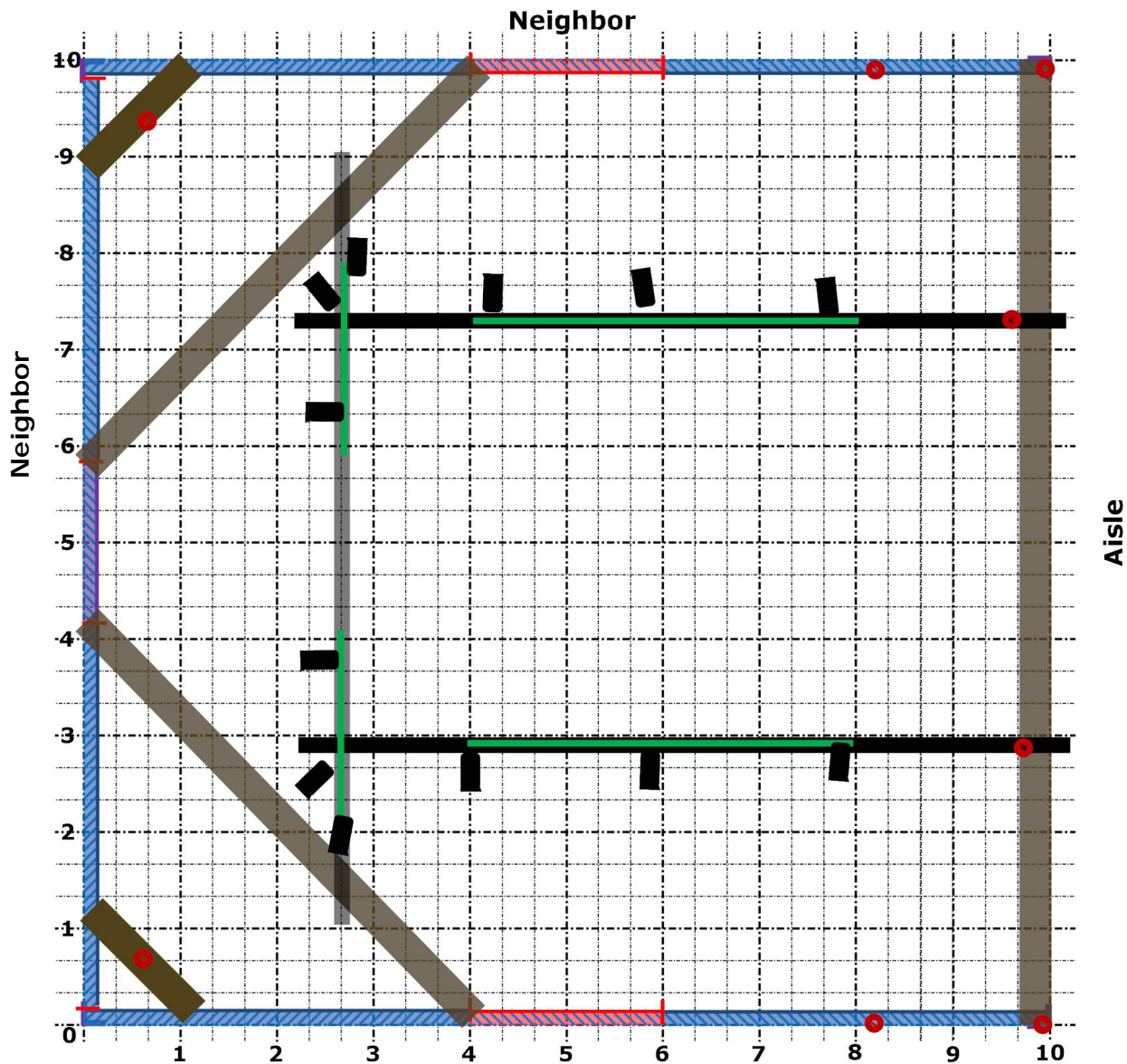
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-  **Tape Mark**
-  **4' Panel**
-  **2' Panel**
-  **1'8" Panel**
-  **Panel Connection Point**
-  **2X4 Lumber Brace**
-  **2X2 Lumber Truss**

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- |  |                        |  |                                  |
|--|------------------------|--|----------------------------------|
|  | Tape Mark              |  | Track lights                     |
|  | 4' Panel               |  | Lighting Track (mounted below)   |
|  | 2' Panel               |  | Alvin (swing arm lamp locations) |
|  | 1'8" Panel             |  |                                  |
|  | Panel Connection Point |  |                                  |
|  | 2X4 Lumber Brace       |  |                                  |
|  | 2X2 Lumber Truss       |  |                                  |

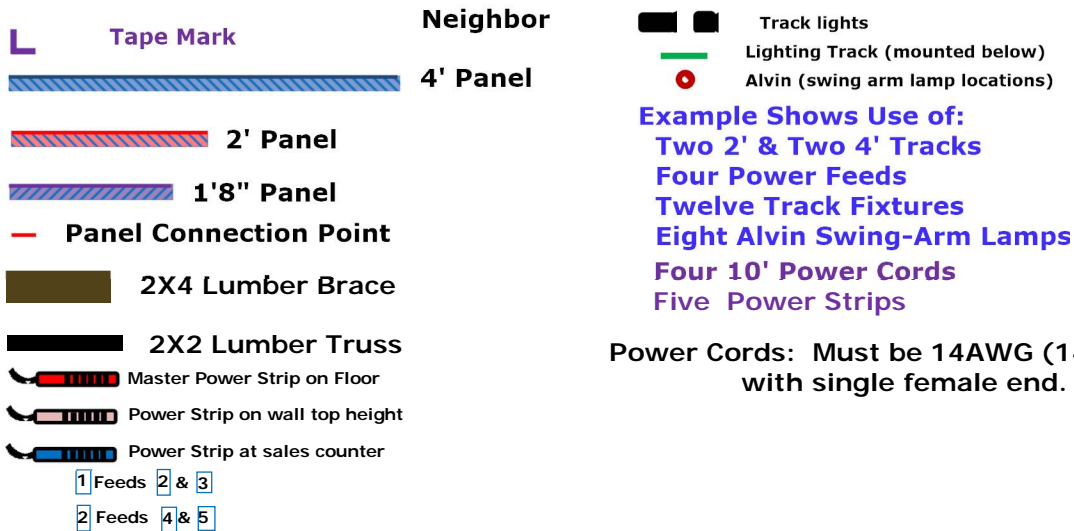
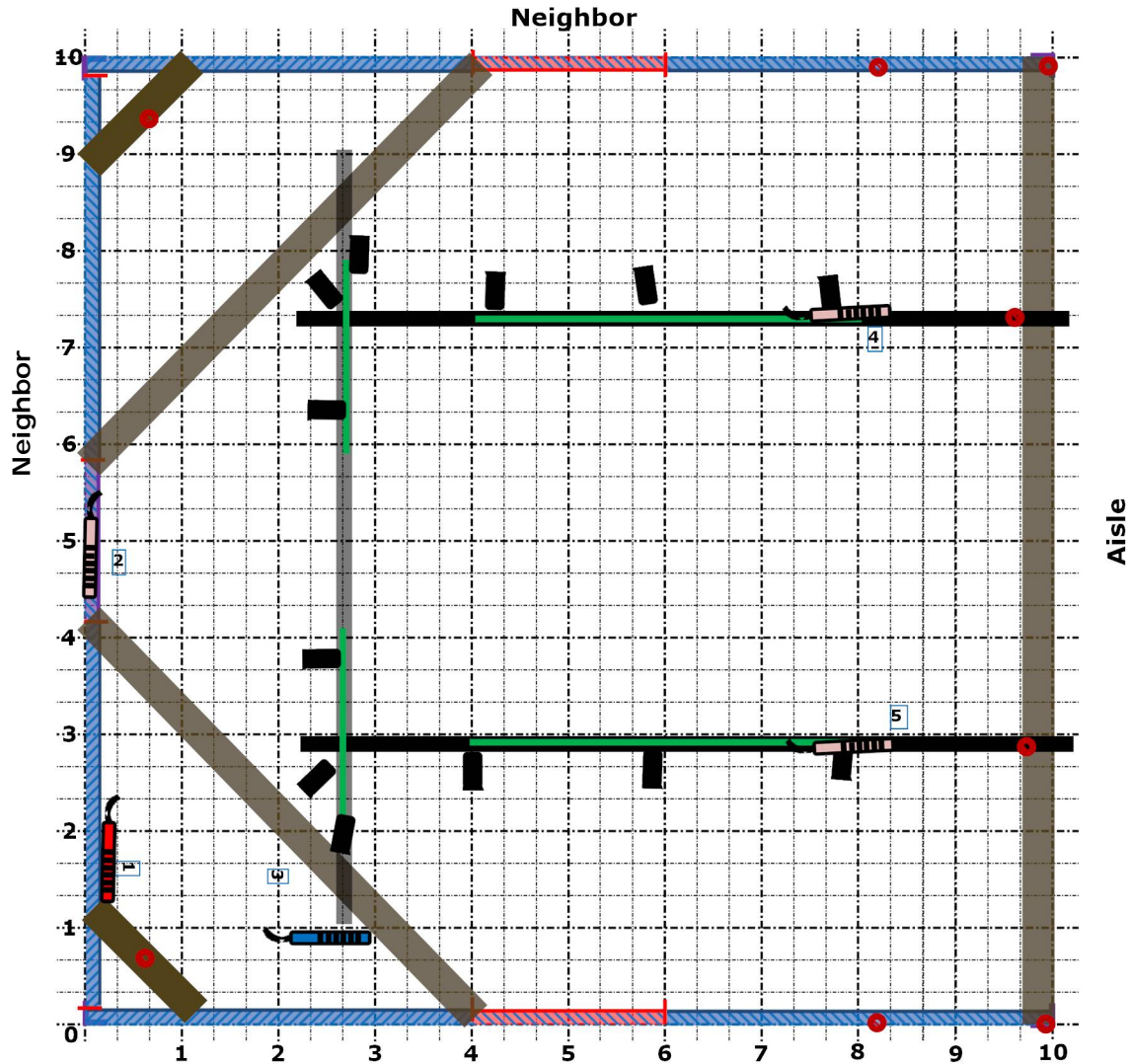
**Example Shows Use of:**  
Two 2' & Two 4' Tracks  
Four Power Feeds  
Twelve Track Fixtures  
Eight Alvin Swing-Arm Lamps



# Armadillo Christmas Bazaar

## Lighting Tutorial

Example - Construction Layout for a 10'x10'  
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**Example Shows Use of:**  
 Two 2' & Two 4' Tracks  
 Four Power Feeds  
 Twelve Track Fixtures  
 Eight Alvin Swing-Arm Lamps  
 Four 10' Power Cords  
 Five Power Strips

**Power Cords: Must be 14AWG (14 Gauge)  
with single female end.**



# Armadillo Christmas Bazaar

## Booth Wiring Guide

### Booth Wiring Goal:

Our goal is to have a safe show for all our artists by being cautious with the use and distribution of electrical power.

For best practices, we want to get all our exhibitors to use the same wiring pattern consistently throughout the show. It is both a safety issue and quick repair aid. We need to comply with all the facility's electrical requirements for their protection as well as ours. Should an artist have an electrical problem, the source is often much easier to isolate and repair with this wiring pattern.

### Proper Components:

**Power Strips** should come with:



15amp circuit breaker

2' or longer 14AWG cord

Must exhibit no visible damage to cord, casing or components

**Extension Cords** Must be:



14AWG wire, also known as 14 Gauge

Single Configuration; has only one place to plug something in

Short as reasonably possible; just long enough to do the job

Must exhibit no visible damage to cord or plugs

### Connections

Circuit may be extended or split by means of a power strip, with or without an additional single configuration cord.

Circuits may not be split from a multi-outlet cord; has more than one place to plug something in.

Power strips must be accessible and well ventilated.

**Remember, Safety First**

### Armadillo Booth Wiring Pattern: as easy as 1 2 3 4 5

#### Power Strip Location #1: Master power strip

- Serves as Off & On switch for your booth
  - Must be conveniently located, easy to reach
- Is plugged directly into the Palmer Event Center's power supply cord
  - Use the cord with your booth number on it
- Usually needs to be located on the floor near the center of perimeter walls
- Usually only 2 items are plugged in here

- Feeds to Power Strips #2 and #3
- For exceptions, see Sub-Master section below
- New strip recommended
  - Strip circuit breaker loses capacity over time with use

### **Power Strip Location(s) #2: Sub-Master**

**For a regular booth lighting**, also known as the standard wiring pattern

- Usually located on top of wall near center of perimeter walls
- Provides power to #4 and #5, sometimes even a #6 or #7 plus up to 4 fixtures nearby

**Exception for booths with extensive low-to-mid-height power needs** for things such as lamps or under-shelf lighting

- Use dual #2s (one at wall top level and an additional one on the floor)
  - #2 High To power upper wall & booth top
    - Use Standard Wiring Pattern (Diagram)
  - #2 Low To power low to mid wall
    - Use Exception Wiring Pattern (Diagram)
  - #2 Low is powered by an additional plug into #1

### **Power Strip Location #3:(optional) Sales Counter Service**

- Provides power for sales counter and device charging if needed

### **Power Strip Location #4: Side Upper Distribution**

- Usually located on top of wall, brace or truss either right or left of center of perimeter walls

### **Power Strip Location #5: Side Upper Distribution**

- Usually located on top of wall, brace or truss, opposite of center from #4

### **Power strip locations #6, #7, etc.**

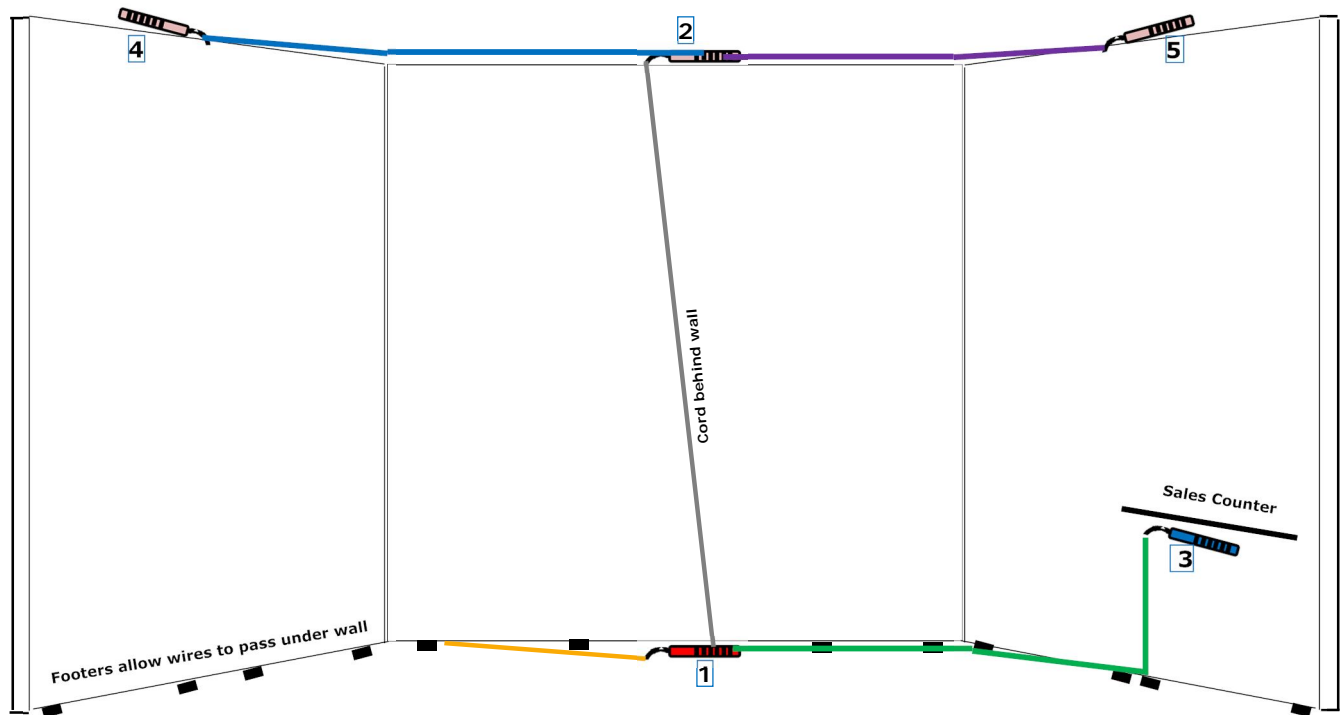
- Extend reach and capacity across booth top over extra-large booths

## **Prohibited:**

- Touching or adjusting anything under a Palmer floor pod cover
- Resting the weight of a wall on a wire or cord
- Pinching or crimping a wire or cord
- Placing power strips in an unreachable position such as between or behind booth wall(s)
- Placing power strips in an unventilated position
- Placing anything flammable on power strips
- Creating improper wire splices
- Exposing wire nuts on splices anywhere
- Exposing any charged surfaces
- Exposing empty charged bulb receptacles
- Splitting a circuit from the end of a multi receptacle extension cord
- Using lamp wire or substandard extension cords
- Using an excessively long cord when a shorter one will do
- Overloading a circuit
- Hot wires or circuit breakers

## Armadillo Christmas Bazaar Booth Wiring Guide

### Standard Wiring Pattern





1 Feeds 2 & 3 (if there is a 3)

2 Feeds 4 & 5


If needed, 6 or 7 can be fed from 2, 4 or 5


 Master Power Strip on Floor

 Power Strip at sales counter (Optional)


 Power Strip on wall top

 Palmer's Power Supply Cord with your Booth#

 Power Cord from 1 to 2

 Power Cord from 2 to 4

 Power Cord from 1 to 3

 Power Cord from 2 to 5