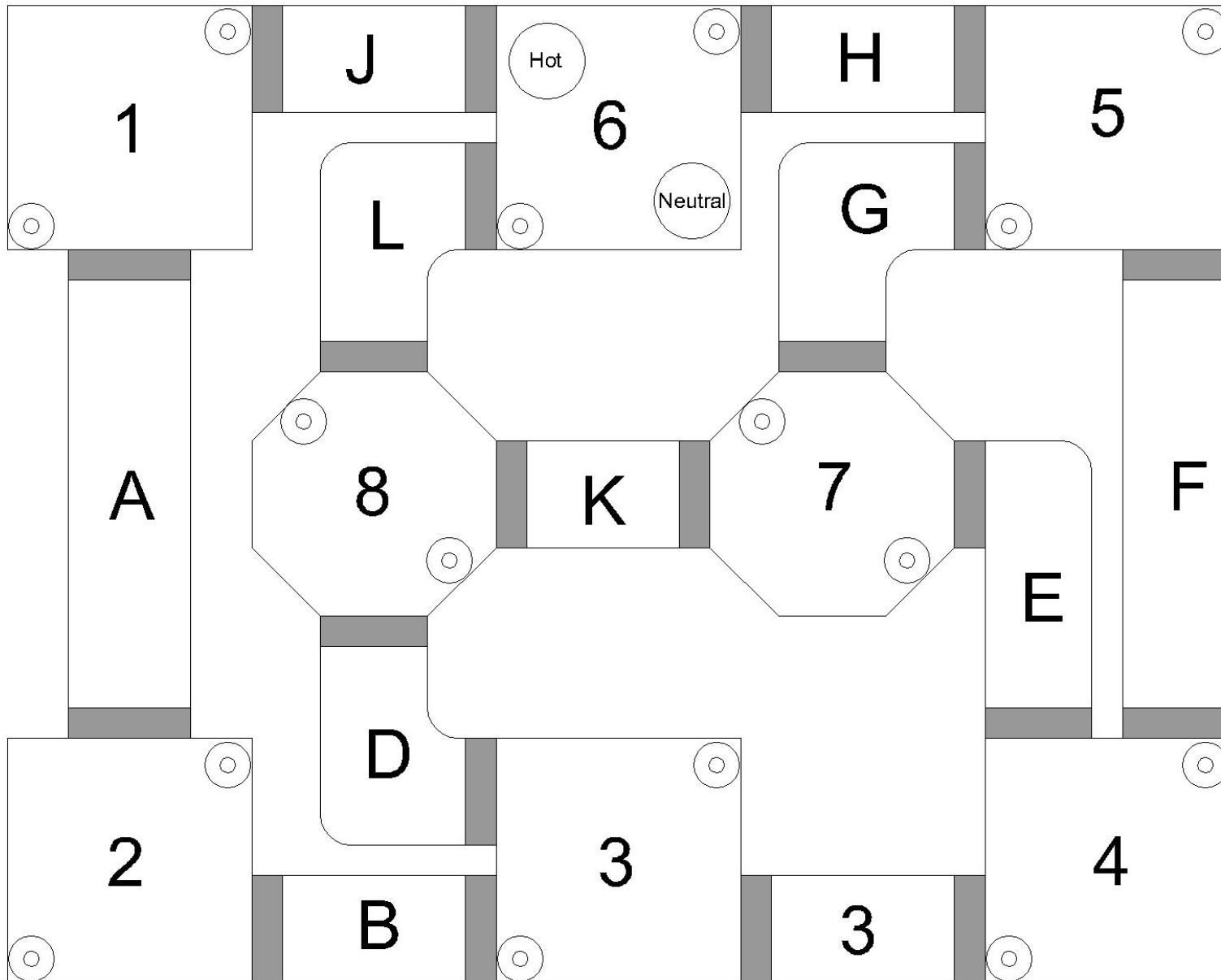


Electrical Workshop PIPE & WIRE BOARD



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Electrical Workshop

PIPE & WIRE BOARD JOBS

Important Things to Remember:

- Put pigtails on all devices except for the single pole switch ...
- A **switch** is simply “a break in a **HOT**”... meaning, a switch will **NEVER** have a **NEUTRAL** (--), but will only have a **HOT connected** to either terminal screw when landing a wire on it.
- All other devices get a **HOT (+)** and a **NEUTRAL (--)**
- When wiring the circuit boards, **NEVER HAVE A SINGLE WIRE , HOT OR A NEUTRAL, IN A PIPE.**
- Also, a **HOT** wire can be any color other than a white or green wire. Typically a hot, with 120/240v , is a black or red wire. A green wire is only for identifying a ground. A white wire can only be used as a **NEUTRAL**. NEVER USE A WHITE WIRE TO IDENTIFY A HOT.

Start from the 120v power source:

JOB # 1: Put a duplex receptacle / outlet in box # 3

* Remember to use pigtails (6-8” extensions of wire used for multiple wire splicing) on the receptacle

Also, put a single pole switch in box # 2 . This switch will control the power to the receptacle and other devices added on later.

JOB # 2: Now continue by adding a light in box # 8 .

This can be done by picking up the hot & neutral from the receptacle that was installed from job # 1.

* Note: Being able to pick up the hot and neutral from an existing device, due to having multiple wire splices helps you avoid going all the way back to the source to get power.

JOB #3: Now add a **2nd** light in box # 7



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