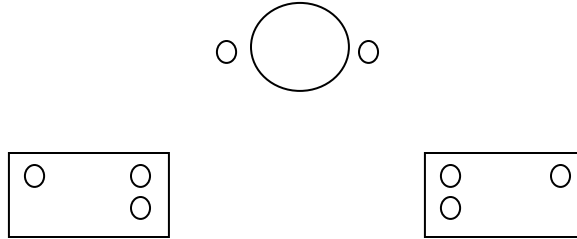


Kleppinger Electric Company, Inc.
8664 Brooks Drive
Easton, Maryland 21601

1. Draw a 3-way switch connection.



2. What size wire would you use for a 20 amp appliance circuit?
3. What size ground wire would you use for:
1. 150 AMP Service?
 2. 200 AMP Service?
 3. 300AMP Service?
4. What outlets in a residence are required to have ground fault protection?
- 1.
 - 2.
 - 3.
5. Where would you use type UF cable?
6. How many #14 wires are you allowed in:
1. A 18 cubic inch switch box?
 2. 4" x 1 1/2 inch Octagon box?
7. What size wire and breaker would you use on a 15 KW furnace with a 62.5 amp draw?
- Wire size _____
- Breaker size _____
8. What size aluminum cable would you use for:
1. 100 amp service in dwelling occupancy?
 2. 150 amp service in dwelling occupancy?
 3. 200 amp service in dwelling occupancy?
9. How far apart do you have to support romex cable and how far from the box?
10. What size wire and circuit breaker do you need for a 4.5 KW heater?