ComfortCalc

Manual-J Heat Loss Calculations, Hydronic Seminars

Exercise 8

1. The thermostat is at the lower left of the diagram. The upper control starts and stops the burner and circulator. What wire colors does the thermostat use to travel from the lower control to the upper control?
   _____
2. What color wires are the system circulator wired to?
   _____
3. The boiler limit sensor is plugged into what plug number, and how many pins would be on that plug? _____
4. The transformer secondary is wired to P4-1&2. Which terminal on P4 is the 24V hot wire? _____
5. The pressure switch is wired to what plug number and termination numbers? _____
6. The inducer fan is wired to plug P2. Which wire color is the hot wire?
   _____
7. Does the circulator or the fan start first? _____
8. Does the flow of electricity enter the top or bottom of the Flame Rollout Switch via the blue wire? _____
9. Which two terminals would connect the two wires from the indirect water heater aquastat to? _____
10. If adding an Indirect water heater, what color wire would the DHW circulator wire to? _____
11. What's the voltage on these two wires? _____