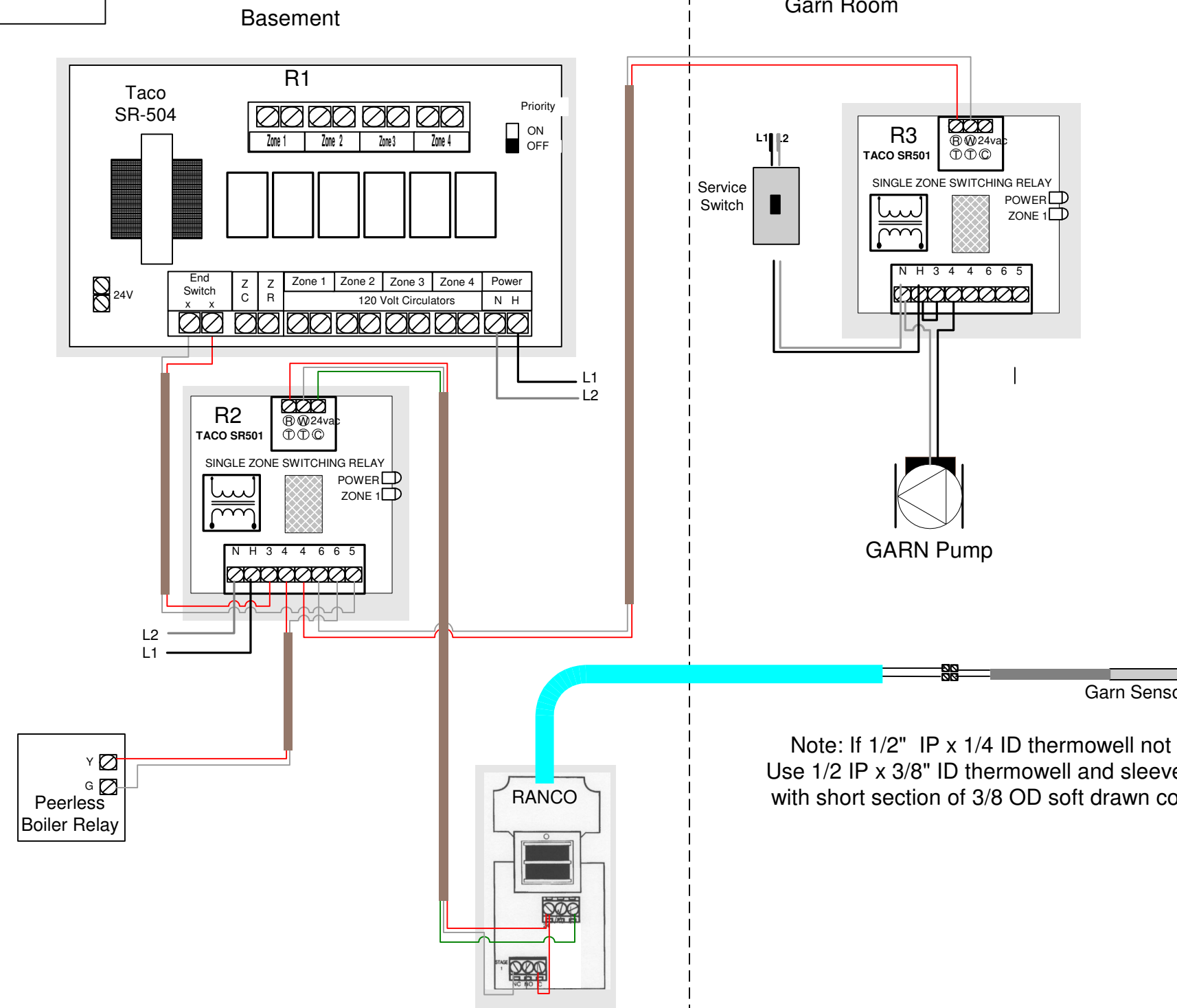
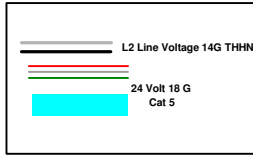


**Wiring Legend**



Note: Ranco control may be located in a convenient location within the house to monitor GARN temps.

Note: If 1/2" IP x 1/4 ID thermowell not available, Use 1/2 IP x 3/8" ID thermowell and sleeve 1/4" sensor with short section of 3/8 OD soft drawn copper tubing

**GARN Wood Boiler / Peerless Gas Boiler Interface Wiring**

**SEQUENCE**

On a thermostat call from any heating zone the Taco SR-501 (R1) zone relay energizes the zone circulator and closes the end switch terminals X X.

R2 (Taco SR-501) toggles the end switch circuit back and forth between either the Peerless gas boiler relay terminals Y G or the GARN wood boiler pump relay (R3) terminals T T.

R2 is controlled by the RANCO setpoint control which has its sensor in the GARN boiler.

When the GARN water temperature is **above** the setpoint the Ranco normally-closed terminals open and de-energize Relay R1. The normally-closed terminals on R1 switch the circuit to operate the GARN pump relay R3.

When the GARN water temperature drops **below** the setpoint, the Ranco normally-closed terminals close and energize Relay R1. The normally-open terminals on R1 close and switch the circuit to the Peerless Gas boiler

Ranco Settings		
Step	Display	Setting
1	F or C	F
2	S1	140
3	DIF1	4
4	C1/H1	C1

Relay R2		
Red light	ON	Gas Boiler
Red light	OFF	Wood boiler
Relay R3		
Red light	ON	Wood boiler
Red light	OFF	Gas Boiler

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Date: 3-19-10	Auth: CH
Drawing # 202GRW	