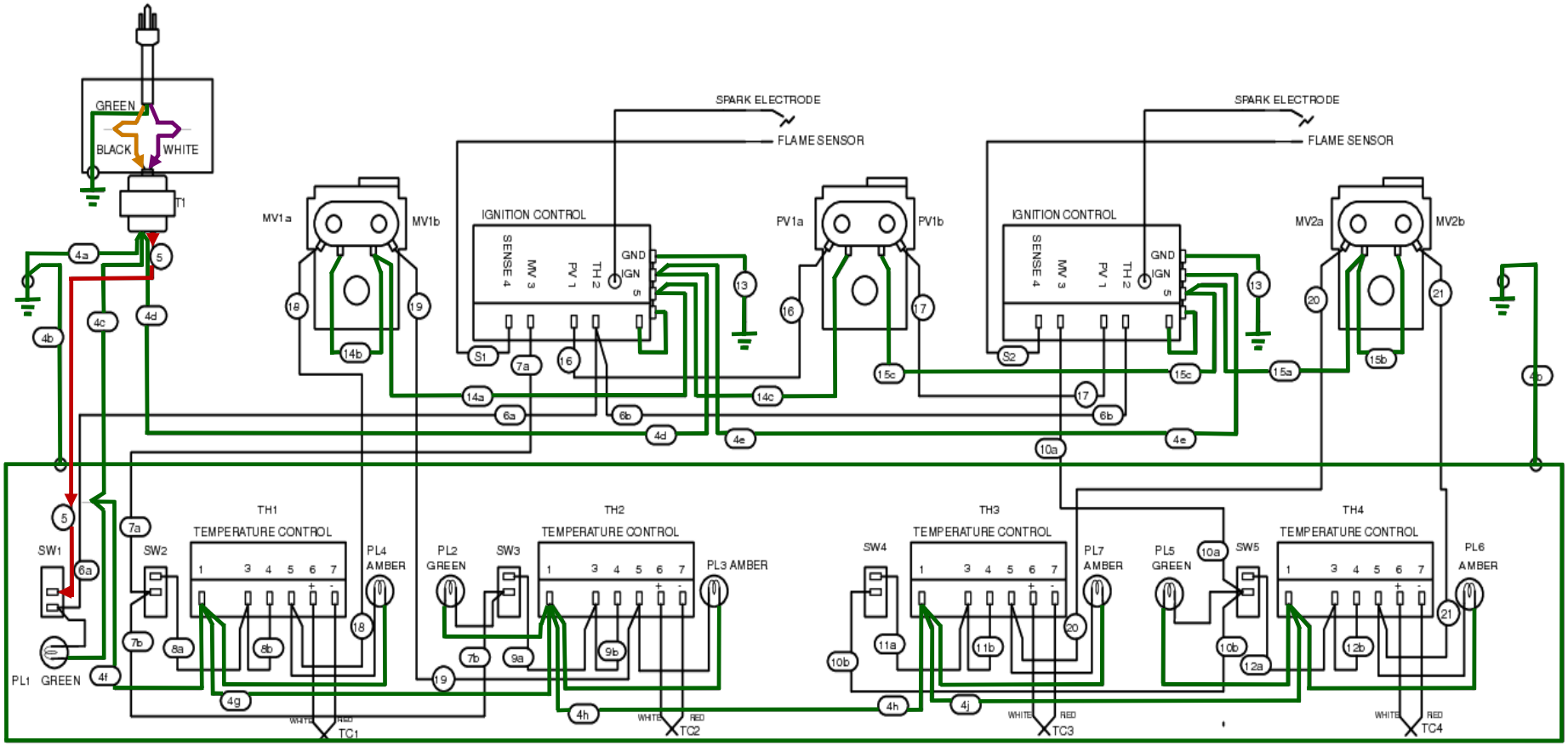
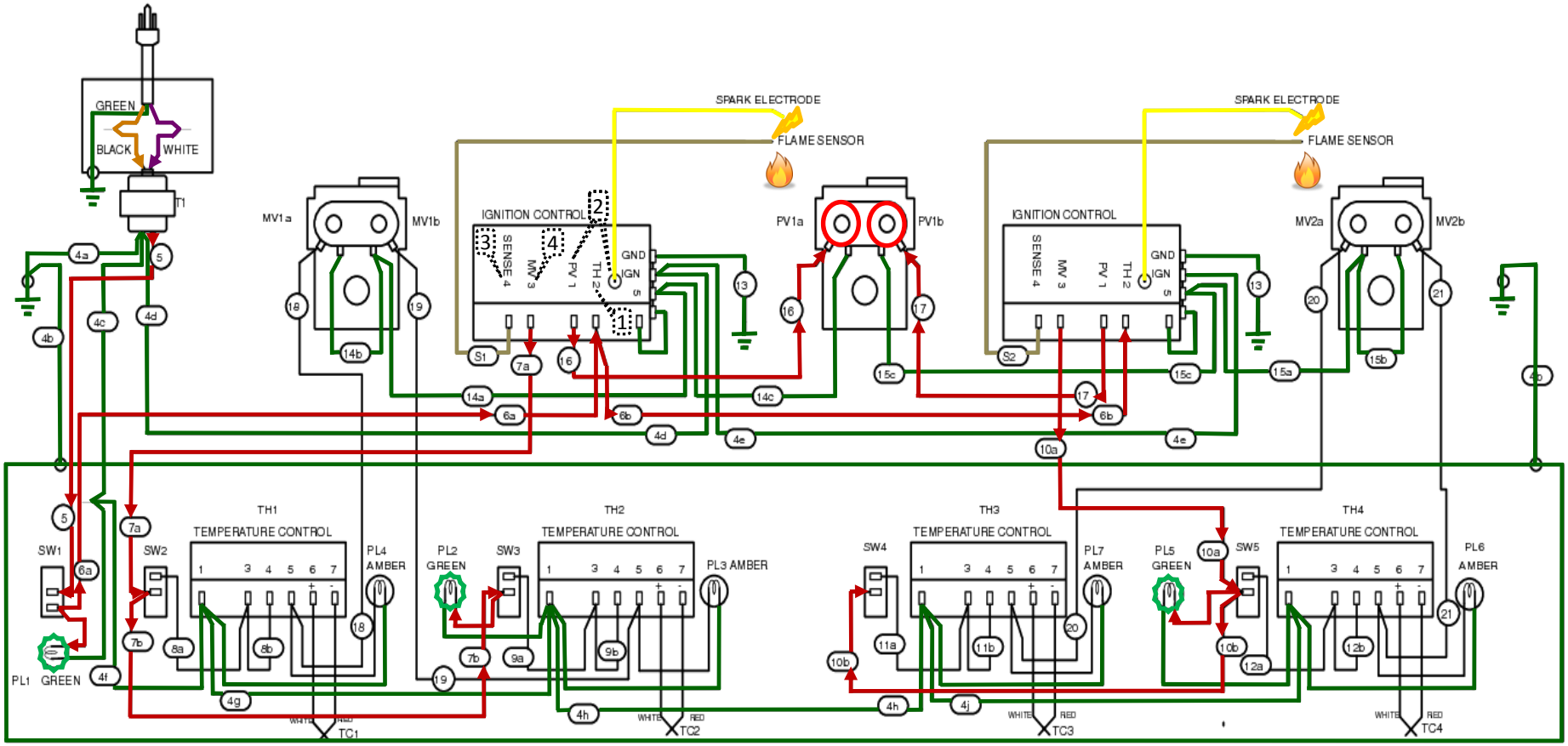



Unit Plugged in with the main switch off

- 120 Volt Hot
- 120 Volt Common
- Ground
- 24 Volt Hot
- Flame Sense µA
- Module Spark
- Thermocouple MV



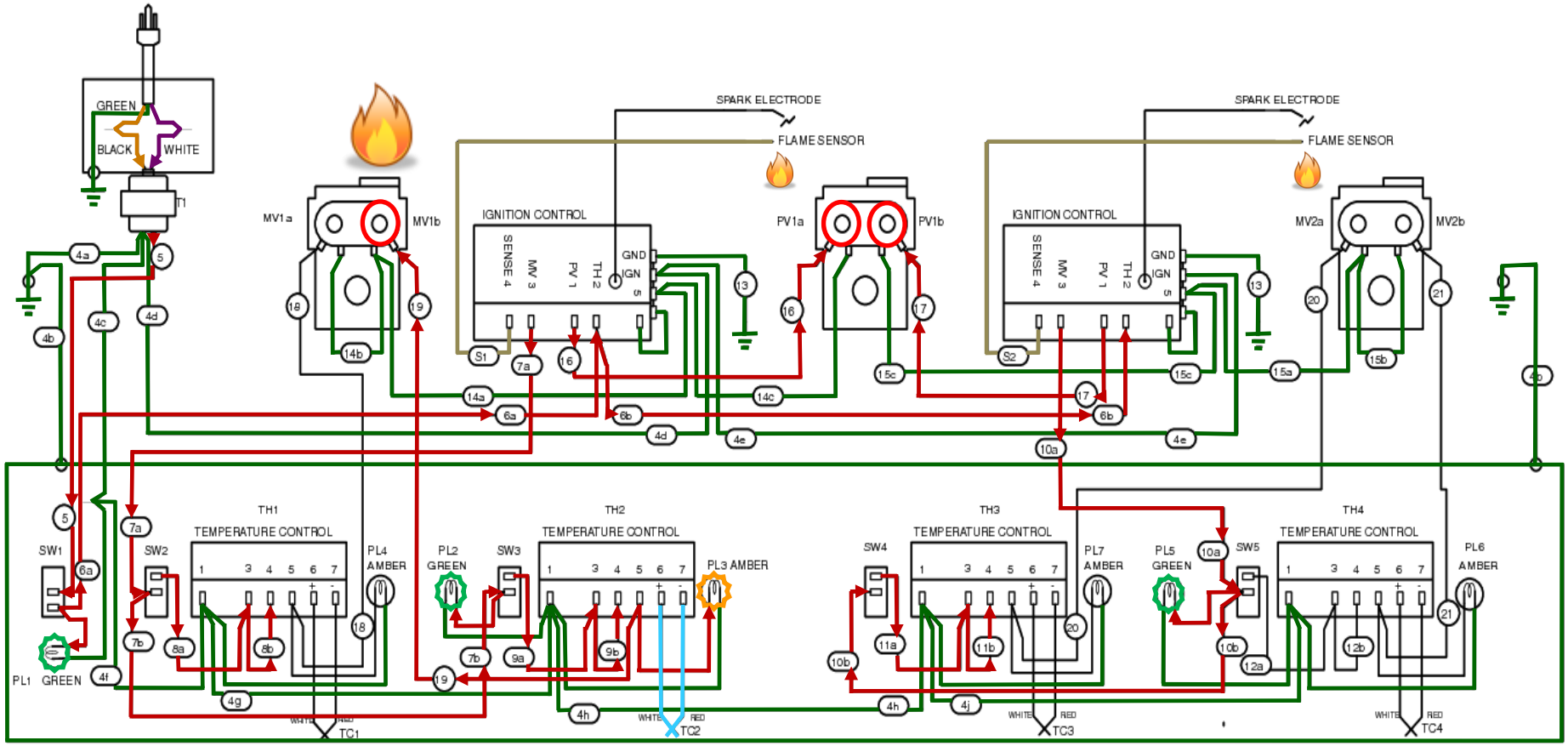

## Main switch turned on

- 120 Volt Hot
- 120 Volt Common
- Ground
- 24 Volt Hot
- Flame Sense µA
- Module Spark
- Thermocouple MV


2152700

**Ignition Module Proper Sequence:**

1. AC **24v** is supplied to the module at **THS2**
2. For a **50 sec trial**, **24v** is supplied to the Pilot Valve from **PV1 and Spark** is generated at the pilot
3. The Pilot flame ignites and it creates **µA current to Sense 4** (minimum .15 µA needed)
4. The sensed current causes **24v** to exit on **MV3** to the temperature control.
   (The voltage from MV3 continues until the 24v to THS2 is removed)




Zone 1,2 & 3 Switches turned on, zone 4 is off for comparison, and only zone 2 is calling for heat

- 120 Volt Hot
- 120 Volt Common
- Ground
- 24 Volt Hot
- Flame Sense µA
- Module Spark
- Thermocouple MV

Note the far left green lamp indicates a functional transformer and switch, and the 2nd green lamp confirms the MV3 24v output for the left Ignition Control while the 3rd green lamp confirm the MV3 24v output for the right Ignition Control.
The amber lamps confirm their zone's switch and temperature control are working, and the amber lamp will remain on until the temperature controller, which is comparing the thermocouple MV and the set temperature, satisfies and the call for heat ends.