



The diagram illustrates the electrical wiring for a gas furnace. It is divided into two main sections by a horizontal line labeled **RACEWAY CONTROL BOX**.

Top Section (Heating Element and Thermostat):

- CORD ASSEMBLY:** Provides power to the system.
- HEATING ELEMENT TYP. QTY:1:** A U-shaped element connected to the system.
- THERMOSTAT TYP. QTY:1:** A circular thermostat connected to the heating element and a terminal block.
- TERMINAL BLOCK TYP. QTY:2:** A block with multiple terminals for wiring connections.

Bottom Section (Control and Pilot Light):

- RACEWAY CONTROL BOX:** The central hub for the wiring, with wires (ORANGE, GREEN, RED) running through it.
- WELL 1:** A vertical opening in the control box for wire entry.
- Power:** A box representing the main power source, connected to the control box.
- TERMOSTATIC CONTROL TYP. QTY:1:** A rectangular control unit with terminals labeled 1, 2, and 4.
- PILOT LIGHT TYP. QTY:1:** A light bulb connected to the control unit and a terminal block.
- FEMALE/MALE TERMINAL CONNECTION:** A connector used for the pilot light wiring.

Wiring Details:

- ORANGE WIRE:** Connects from the Cord Assembly, through the Raceway Control Box, to the Heating Element and the Thermostatic Control.
- GREEN WIRE:** Connects from the Cord Assembly, through the Raceway Control Box, to the Grounding points (indicated by ground symbols).
- RED WIRE:** Connects from the Cord Assembly, through the Raceway Control Box, to the Thermostat and the Thermostatic Control.