

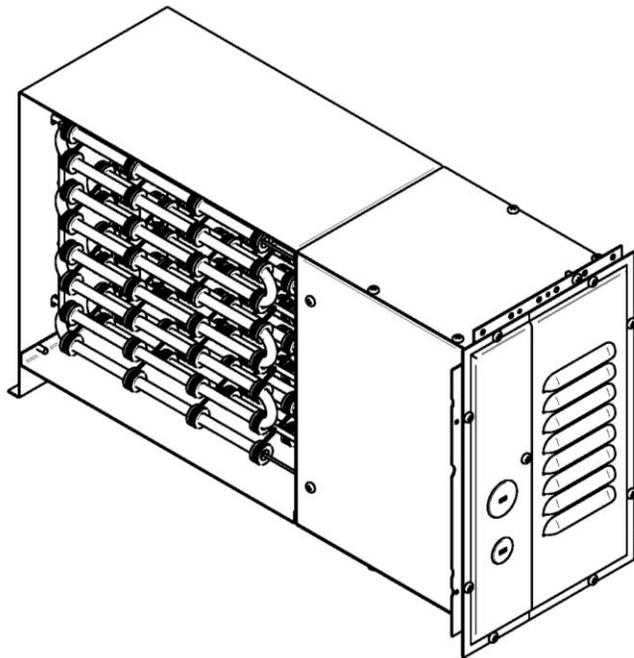


## INSTALLATION INSTRUCTIONS FOR OPTIONAL ELECTRIC ELEMENT

**PA08535**  
**20 kW**

**PA08545**  
**25 kW**

### MAX CADDY FURNACE



Verified and tested for Canada and the United States by an accredited laboratory.



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**Eco-energy at the hearth  
of your home**

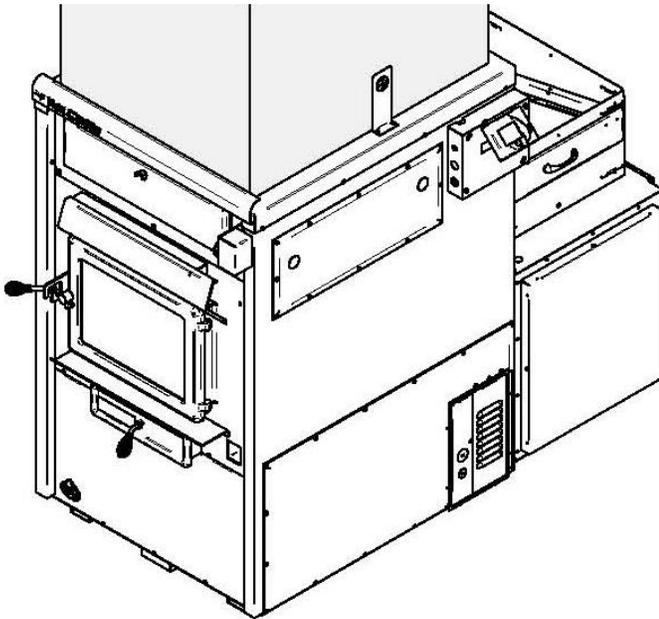
**PSG**  
250, de Copenhague,  
St-Augustin-de-Desmaures (Quebec)  
CANADA G3A 2H3

## OPTIONAL ELECTRIC ELEMENT INSTALLATION

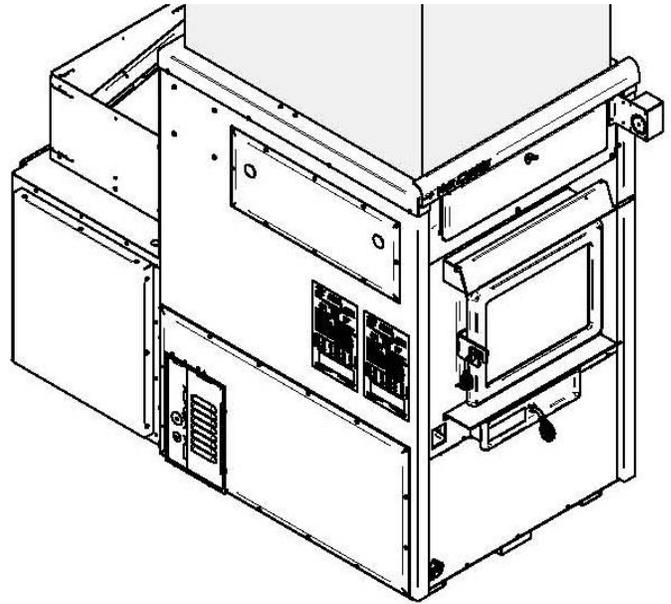
Your Max Caddy furnace can be installed with an optional electric element (20 kW or 25 kW). This option can be installed on either side of your furnace.

**Installation must be done by a qualified technician.**

Please note that the installation procedure is carried out in an identical way no matter which electric element is used or the chosen installation side (right or left).

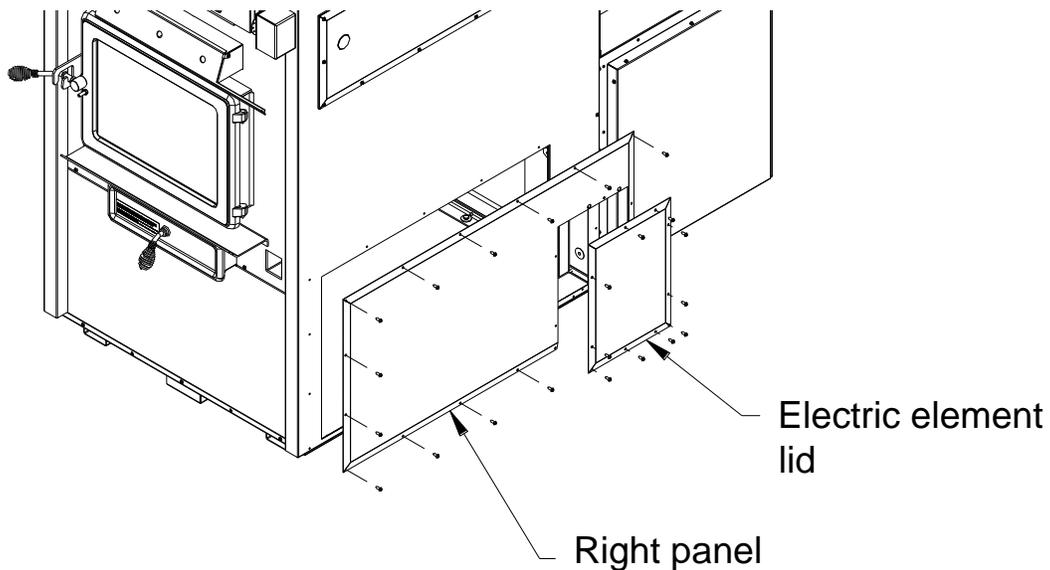


**Right side installation**

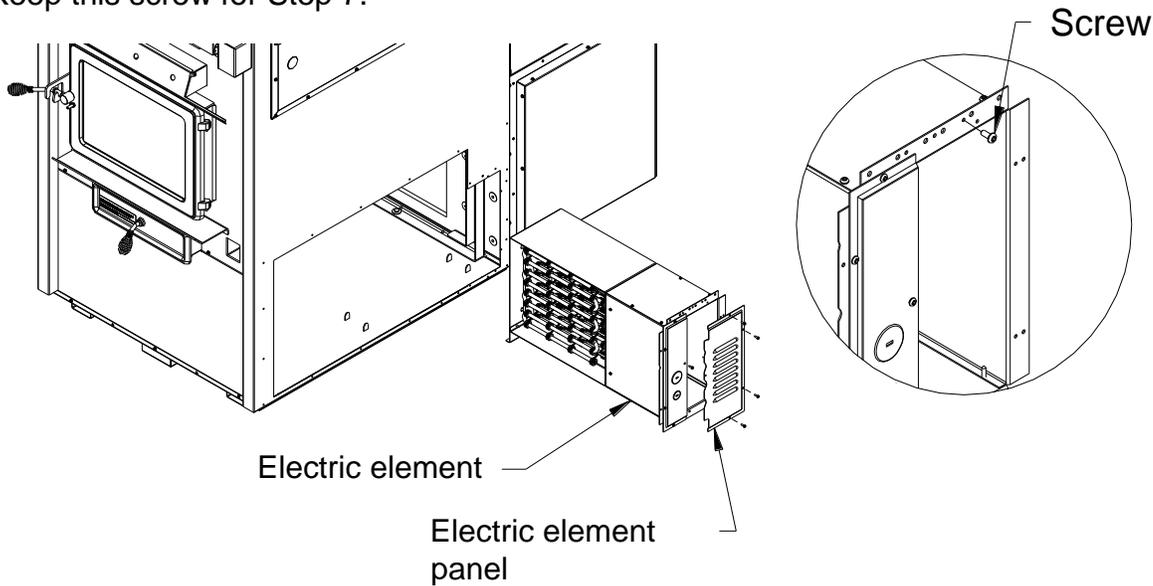


**Left side installation**

**Step 1:** Remove the electric element lid and the right panel located at the right of the furnace. Keep the access panel screws (10X) for step 4 and the right panel screws (12X) for Step 7.

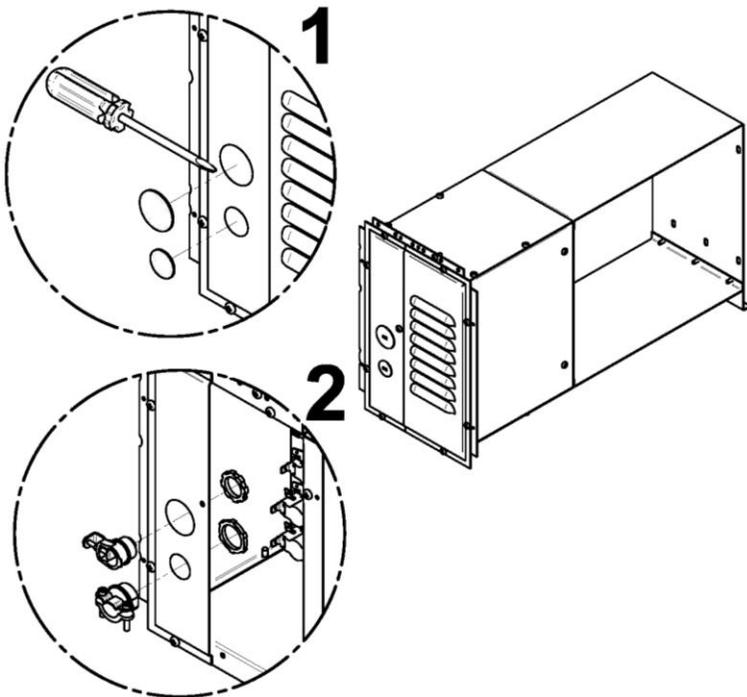


**Step 2:** Remove the right panel of the electric element by unscrewing the screws (5X). Keep the screws for Step 6. Unscrew also the screw located at the top right of the electric element housing. Keep this screw for Step 7.

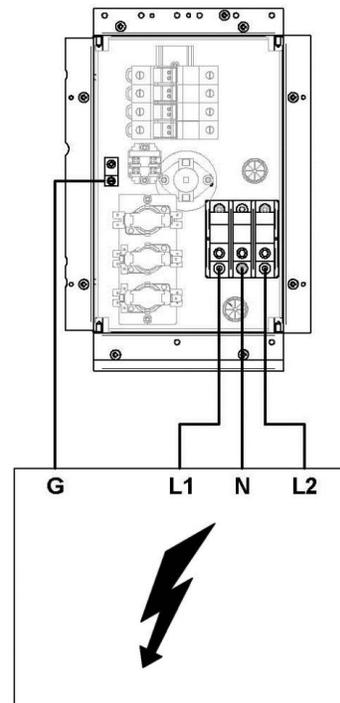


**Step 3:** Do the electrical connections. For easier access you can remove one of the side panels of the electric element housing.

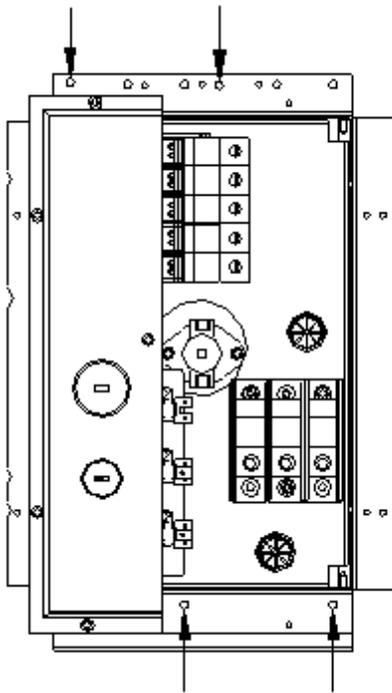
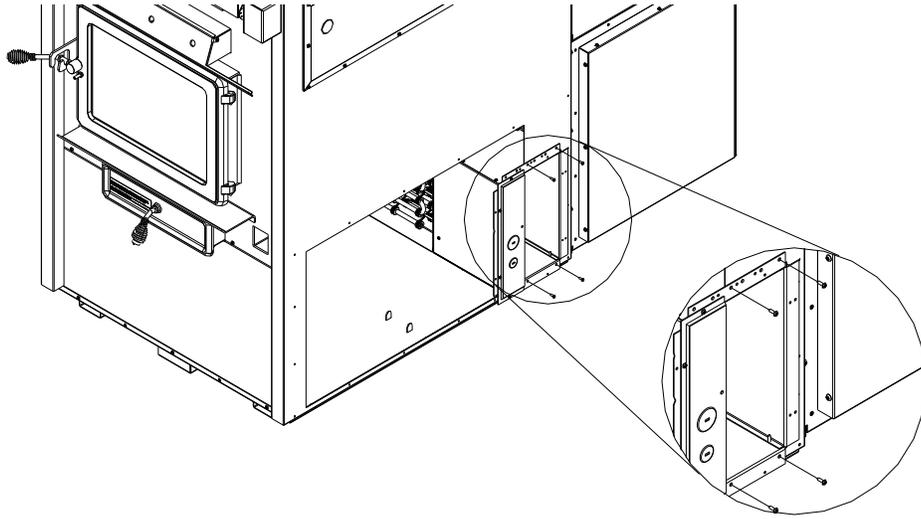
Remove the knockouts on the left panel of the electrical element (**Detail 1**). Install the appropriate connectors (not included) (**Detail 2**).



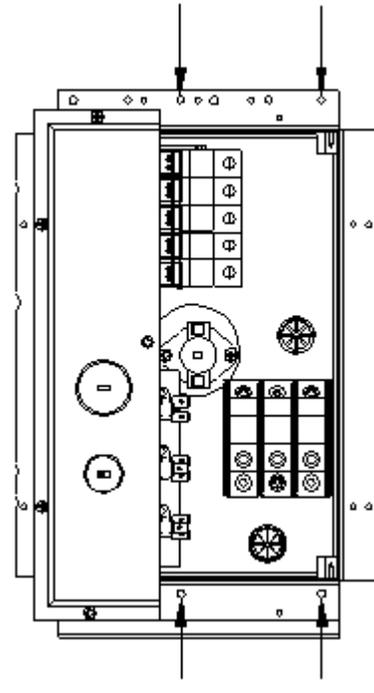
Connect the main power supply to terminals L1, N, L2 and G located in the electrical element.



**Step 4:** Install the electric element inside the furnace. To secure the electric element housing in place, use four screws kept from Step 1. Make sure that you screw them in the right holes. The holes to be used are specific to the desired installation side (left or right).

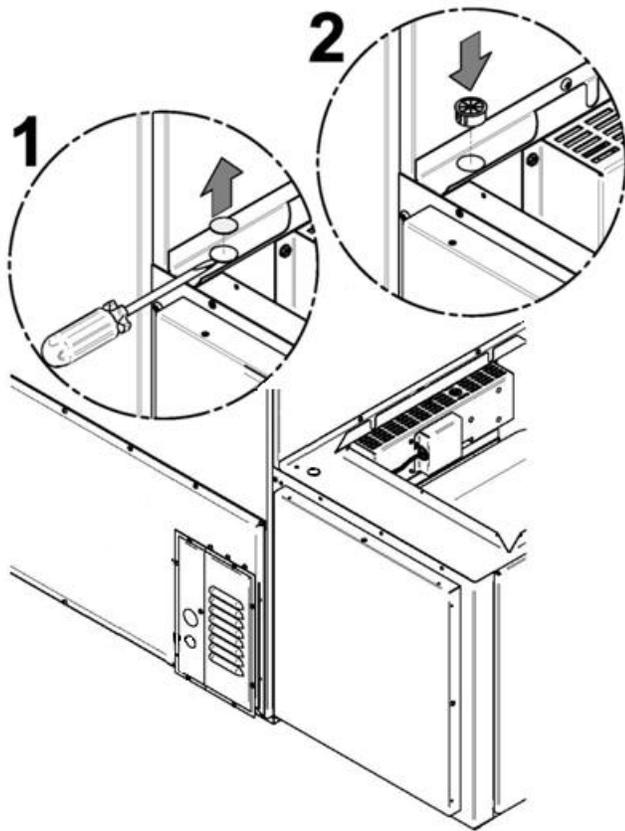


**Left side installation**

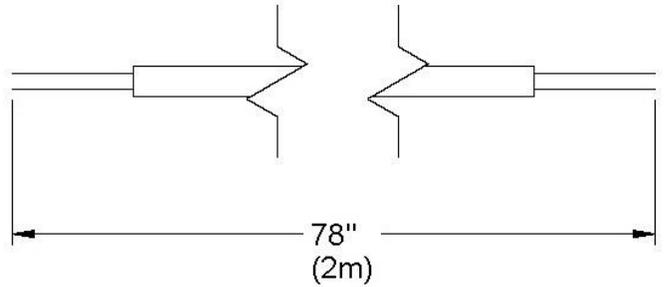


**Right side installation**

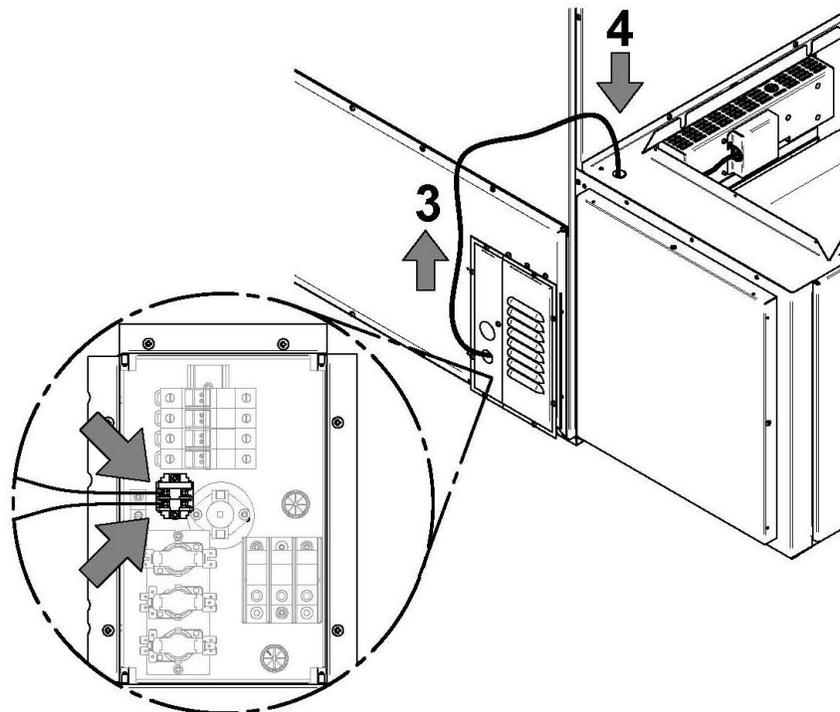
**Step 5:** Remove the blower box knockout on the side where the electrical element is installed (**Detail 1**). Install a grommet or a connector (not included) (**Detail 2**).



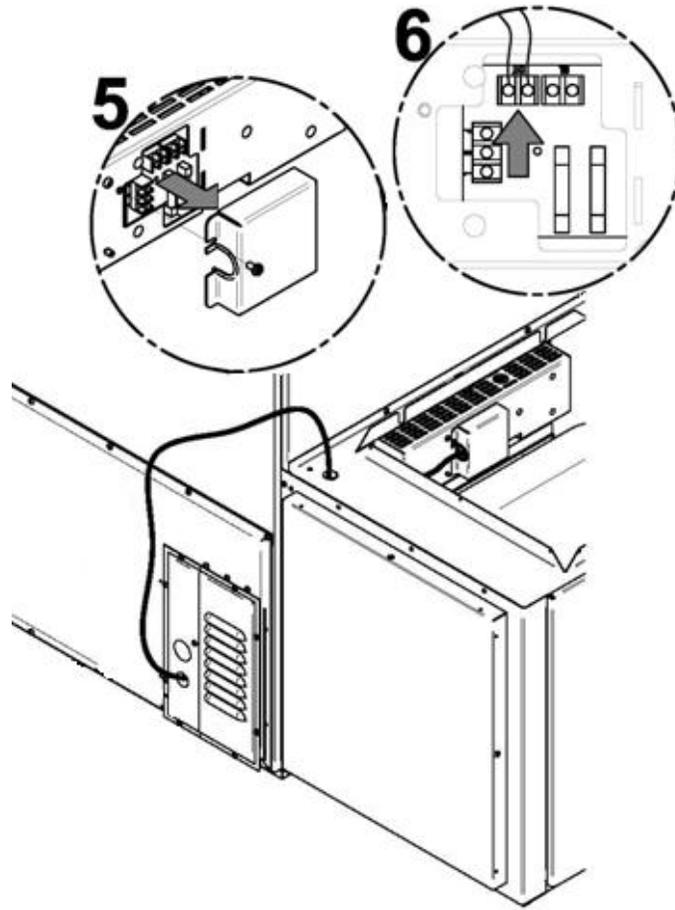
Use one cable with two conductors 18 gage (18/2) (not included).



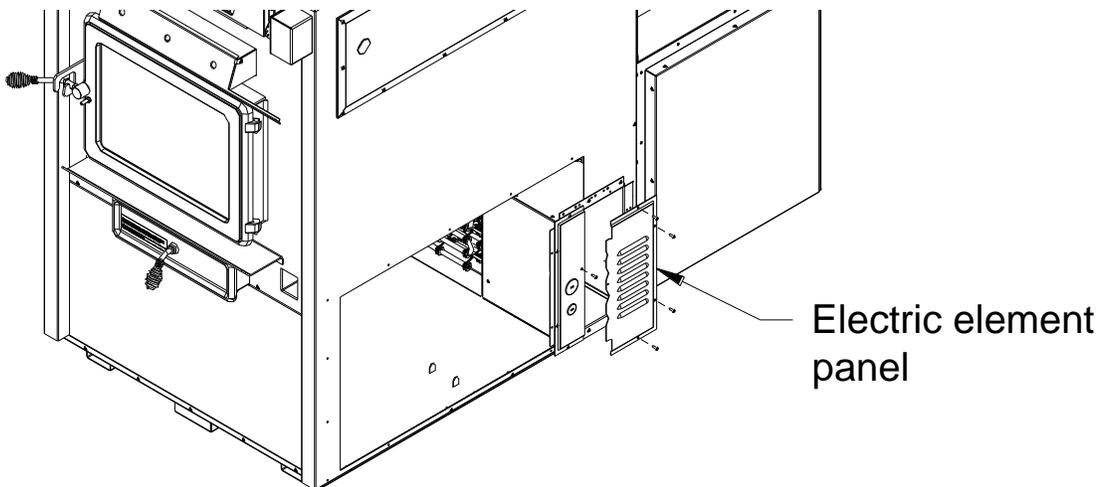
Connect the two wires on the electrical element terminals (**Detail 3**) and pass them through the grommet of the furnace (**Detail 4**).



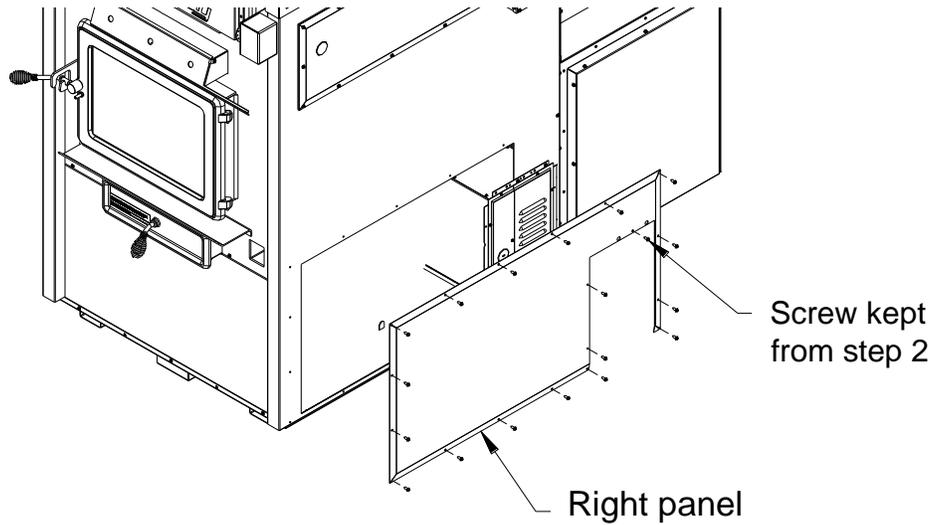
Remove the screw that holds the power board cover which is in the blower box (**Detail 5**) and connect the wires of the electrical element on the "EHT" terminal on the power board (**Detail 6**).



**Step 6:** Screw the right panel of electric element back in place using the 5 screws kept from Step 2.



**Step 7:** Screw the right panel of the furnace back in place with the screws kept from Step 1. Screw back the screw kept from Step 2. It holds the right panel of the furnace and the electric element and secures it on the furnace.



Please note that in order to use a single circuit breaker for the electrical unit and the power board; it is possible to hook up the power board from the electric element. When supplying power to the power board from the electrical element, always use the inline fuse that is included with the electric element.

**TECHNICAL DATA – ELECTRIC MODE**

MODEL	THEORETICAL OUTPUT	TEMP. VAR. (° F)	BTU/HR	AMPS TOTAL	BREAKER REQUIRED	FEEDER GAUGE	VOLTAGE SINGLE PHASE	ELEMENTS QTY
20 kW	2,100	75	68,240	85	125 amps	3	120/240	4 x 5 kW
25 kW	2,100	85	85,325	100	150 amps	2	120/240	5 x 5 kW
WOOD	2,100	100	180,000	5	15 amps	14	120	N/A

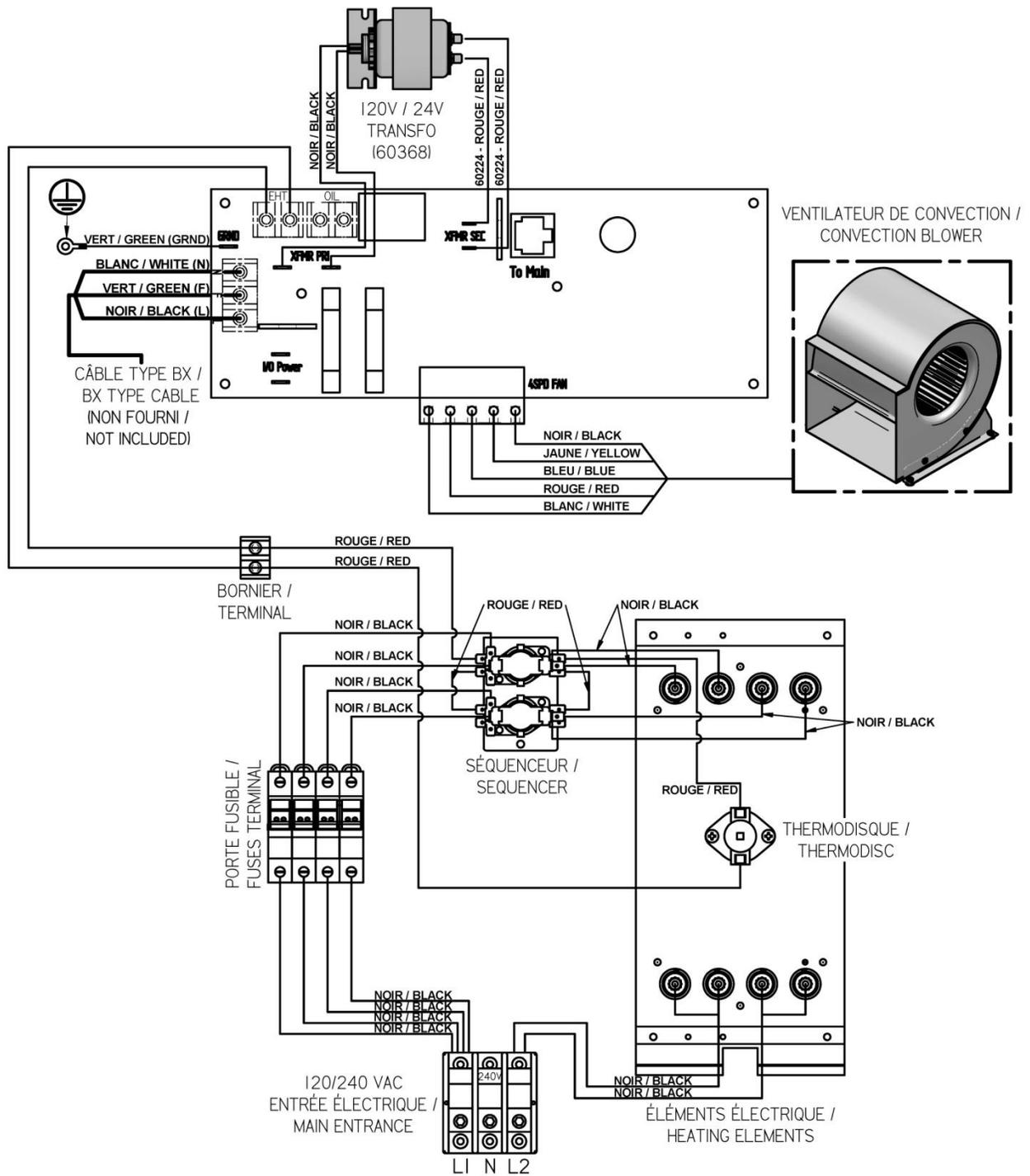


SCHÉMA ÉLECTRIQUE UNITÉ ÉLECTRIQUE /  
ELECTRICAL ELEMENTS WIRING DIAGRAM