

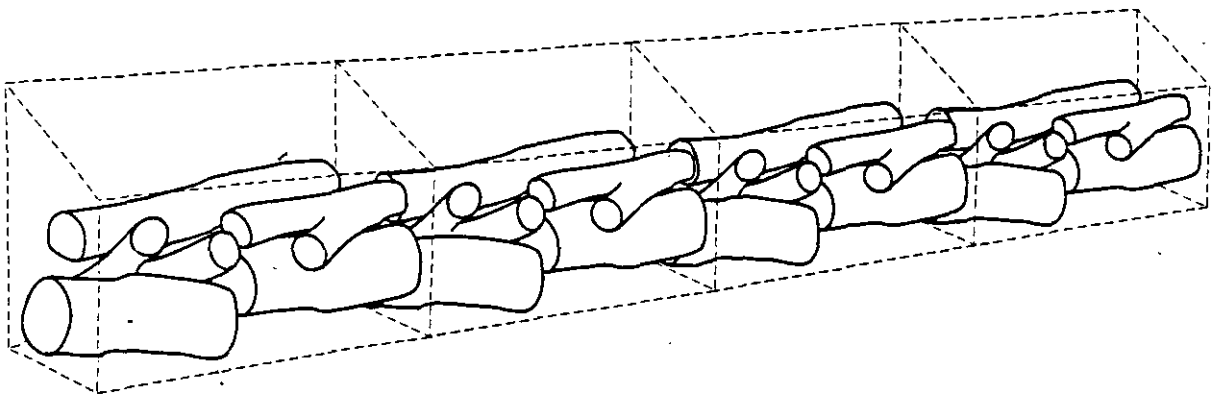
# HARDT EQUIPMENT MANUFACTURING INC.

1550 52nd AVE., LACHINE (MONTREAL), QUEBEC, CANADA H8T 2X9 TEL (514) 631-7271 FAX (514) 631-7273

## PLACEMENT OF CERAMIC LOGS

The placement of the ceramic 'logs' is important only for the visual effect of the rotisserie. The placing procedure is the following.

The idea is to leave spaces between the logs in the front so that the flames "dance" between them and give the most natural look.



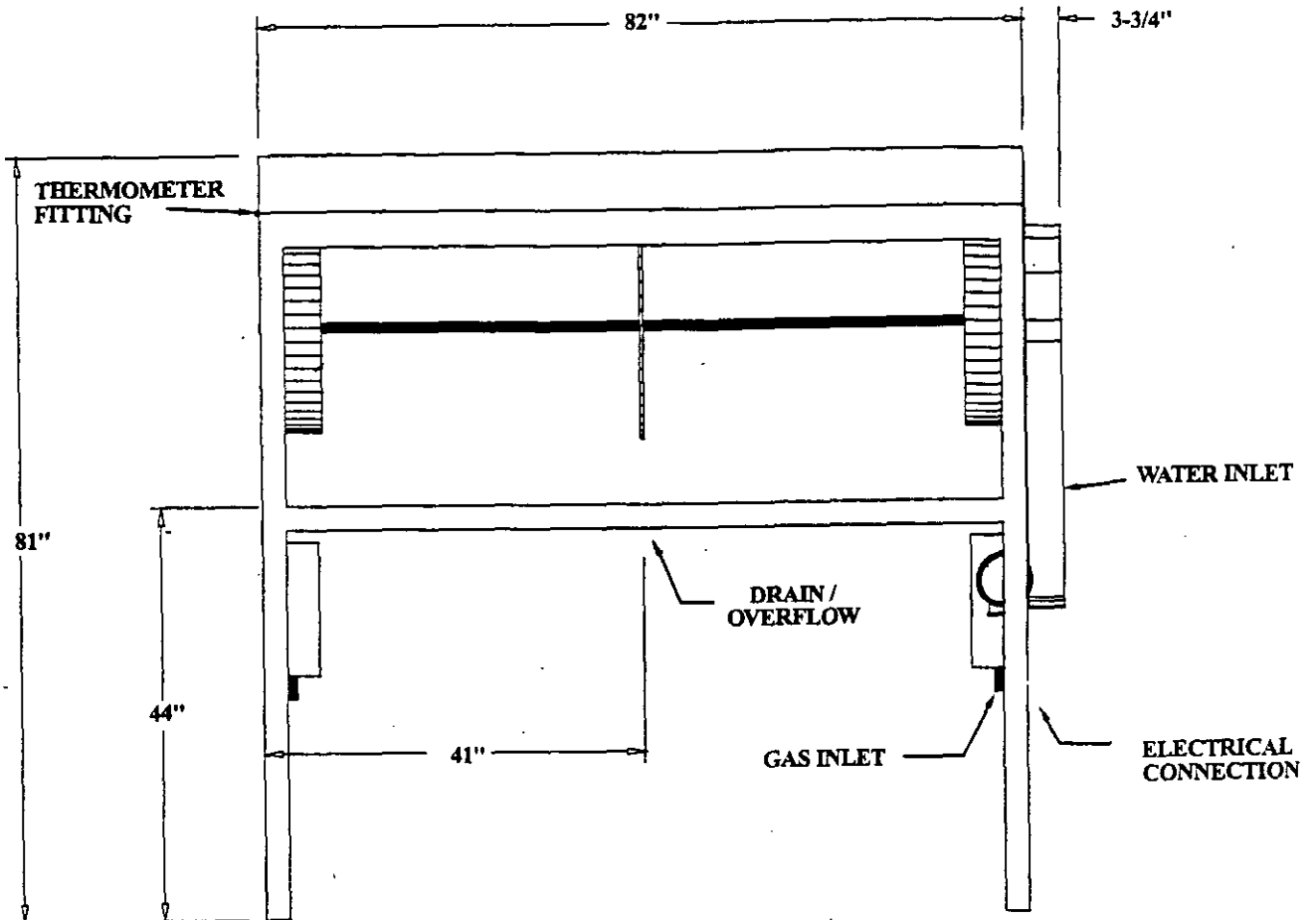
The above diagram demonstrates the correct placement of the ceramic 'logs' in the front of grates. Five 'logs' are to be put into the front section of each grate (20 per rotisserie). The rear section of the grates is used for the live wood. The 'logs' should be placed as horizontally as possible and in such a way that the air gaps between the 'logs' are open and relatively even. The correct positioning of the ceramic 'logs' within the grates should result in the top of the highest placed 'log' being approximately level with the top of the front edge of the grate.

The new grates now standard for all KENNY ROGERS ROASTERS rotisseries have removable bottoms that ease cleaning within them. Please note the placement of the removable bottoms as the front and rear sections are not the same and their placement will affect the performance of the unit. (The front pieces have 5 holes whereas the rear have 8 holes [6 oval + 2 round]).

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## LOCATION OF COMPONENTS AND CONNECTIONS (continued)



continued ...

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## KENNY ROGERS KR-D1 OPERATING INSTRUCTIONS

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## GENERAL DESCRIPTION

The HARDT KR-D1 rotisserie is designed and built exclusively for the 'Kenny Rogers Roasters' organization.

The rotisserie is fueled by both gas and wood. Gas is the primary heat source with the wood aiding in the '*wood that makes it good*' cooking process that produces 'Kenny Rogers Roasters' signature chicken product.

The HARDT KR-D1 rotisserie comprises of two individually operating rotisseries in one main structure. Each half of the rotisserie has independently operating burners, ignition and safety systems, allowing the individual halves of the rotisserie to be used separately.

The heat area of the rotisserie is divided into front and rear sections. The front section holds the ceramic logs and the rear section is for the live wood.

The front section of the heat area houses the main heat source. There is a pair of tubular gas burners beneath a multiple layer of kiln fired refractory ceramics in the form of oak logs. These 'logs' act as a heat sink for the flame as well as giving the favorable visual effect that the entire oven is heated by wood. The gas burners maintain a steady, controlled cooking environment.

The back section houses genuine wood logs that act as a secondary heat source. The wood is added as required, aiding in the visual presentation as well as imparting a unique taste and smell to your chicken.

## DESCRIPTION OF HEAT SOURCE OPERATION

The HARDT KR-D1 rotisserie operates in the following manner; When the BURNER ON/OFF switch (RED BUTTON located on each side of the rotisserie) is pulled, the electronic ignition control box opens the two gas valves and provides a spark to the igniter which in turn lights the front burner. (Note: The gas valve for each of the rear burners is actuated by its own thermostat. A thermostat is located near the BURNER ON/OFF switch on each side of the rotisserie. Rotating clockwise increases the heat, rotating counterclockwise decreases it. When the thermostat is set low, the rear burner will not light. When set high, the rear burner will be ignited by the flame from the front burner.)

When wood is added to the rotisserie, it is ignited by the flame of the rear burner. As the wood catches on fire and the temperature starts to rise, the thermostat cuts off the gas flowing into the rear burner thereby maintaining a constant temperature in the rotisserie.

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## WARRANTY EXCEPTIONS

### WARRANTY DOES NOT INCLUDE:

Problems arising from improper installation; including high or low voltage, low gas pressure, or improper venting.

Service calls that can be avoided by adjusting the thermostat and verifying the temperature in the rotisserie by the thermometer. Service calls pertaining to problems with temperature will be limited to those in which the rotisserie has a malfunctioning thermostat or improperly functioning burner systems.

The replacement of either or both burners, the igniter, or the ceramic logs that were damaged as a result of contact with chemicals or liquids. **NEVER** should chemicals or liquids of any kind (including water) come in contact with the burners, the igniter, or the ceramic logs.

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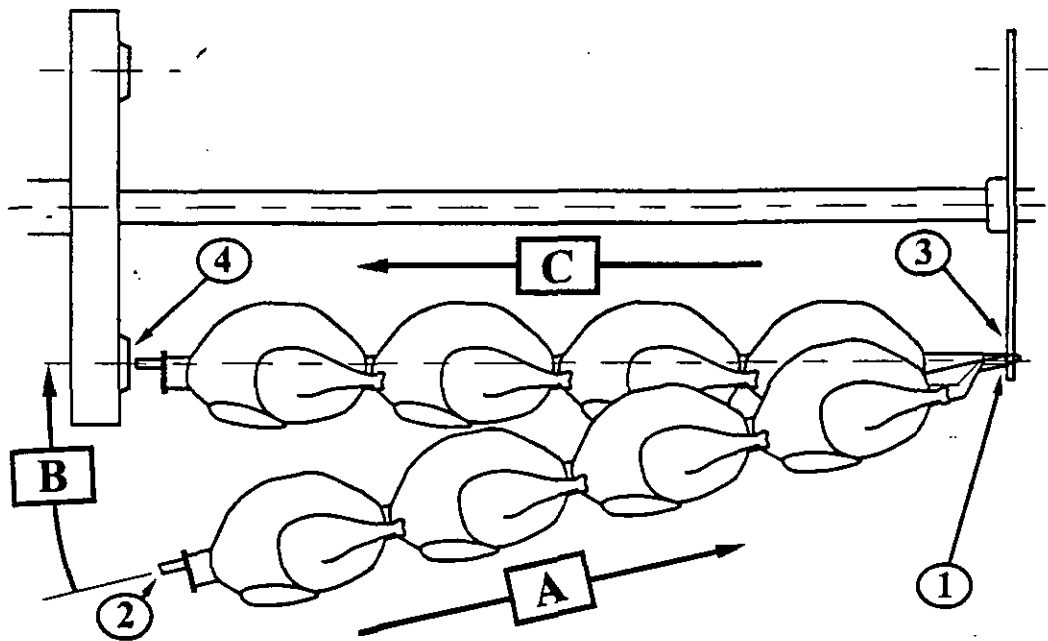
## OPERATION (continued)

### INSERTION / REMOVAL OF SKEWERS

When the rotisserie has reached its operating temperature the skewers can be loaded into position.

To load the skewers into the rotisserie, stop the drive by either pushing in the main ON / OFF switch or by stepping on the foot pedal switch. Do NOT try to load or unload skewers with the drive rotating.

The diagram below illustrates the insertion of a loaded skewer into the drive plates.



- A** The pointed end (1) of the skewer is inserted into the hole (3) in the central support plate of the rotisserie.
- B** The hexagonal end (2) of the skewer is then raised and inserted into the hexagonal drive socket (4) in the drive plate.
- C** The hexagonal end (2) of the skewer must be slid into the socket (4) as far as possible. Make certain that the shoulder on the pointed end (1) of the skewer is inside the face of the central support plate. This prevents the skewer from slipping out of the drive socket.

To remove the skewers reverse the insertion process. Slightly raise the pointed end of the skewer so that the shoulder is level with the hole in the support plate and pull the skewer out of the hexagonal drive socket. Now lower the hexagonal end and remove the skewer.

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## MAINTENANCE (continued)

### MONTHLY CLEANING

Once a month, when the oven is cool, remove the ceramic logs and all areas of the castings. Verify that the burners are clean and that their holes are not blocked. If any of the burner holes are blocked, use a thin metal rod (such as a coat hanger) to clear them.

### BIANNUAL MAINTENANCE

Once every six months it is recommended to verify that the daily cleaning is keeping the drive free of carbon buildup. To verify that the drive is being cleaned properly do the following: (refer to LOCATION OF COMPONENTS AND CONNECTIONS).

1. Remove the CHAIN COVER.
2. Remove the CHAIN from the MOTOR / REDUCER SPROCKET by loosening the MOTOR TENSION BOLT.
3. Turn the LARGE CHAIN SPROCKET by hand. If it is impossible to turn by hand, an excessive accumulation of carbon has taken place due to insufficient cleaning. The HARDT KR-D1 rotisseries are equipped with socket hub assemblies that can be disassembled and cleaned. If this situation arises, please call us and we will assist you.

***For any technical assistance, or if problems other than those described above arise, do not attempt to fix them yourselves, call our service department.***

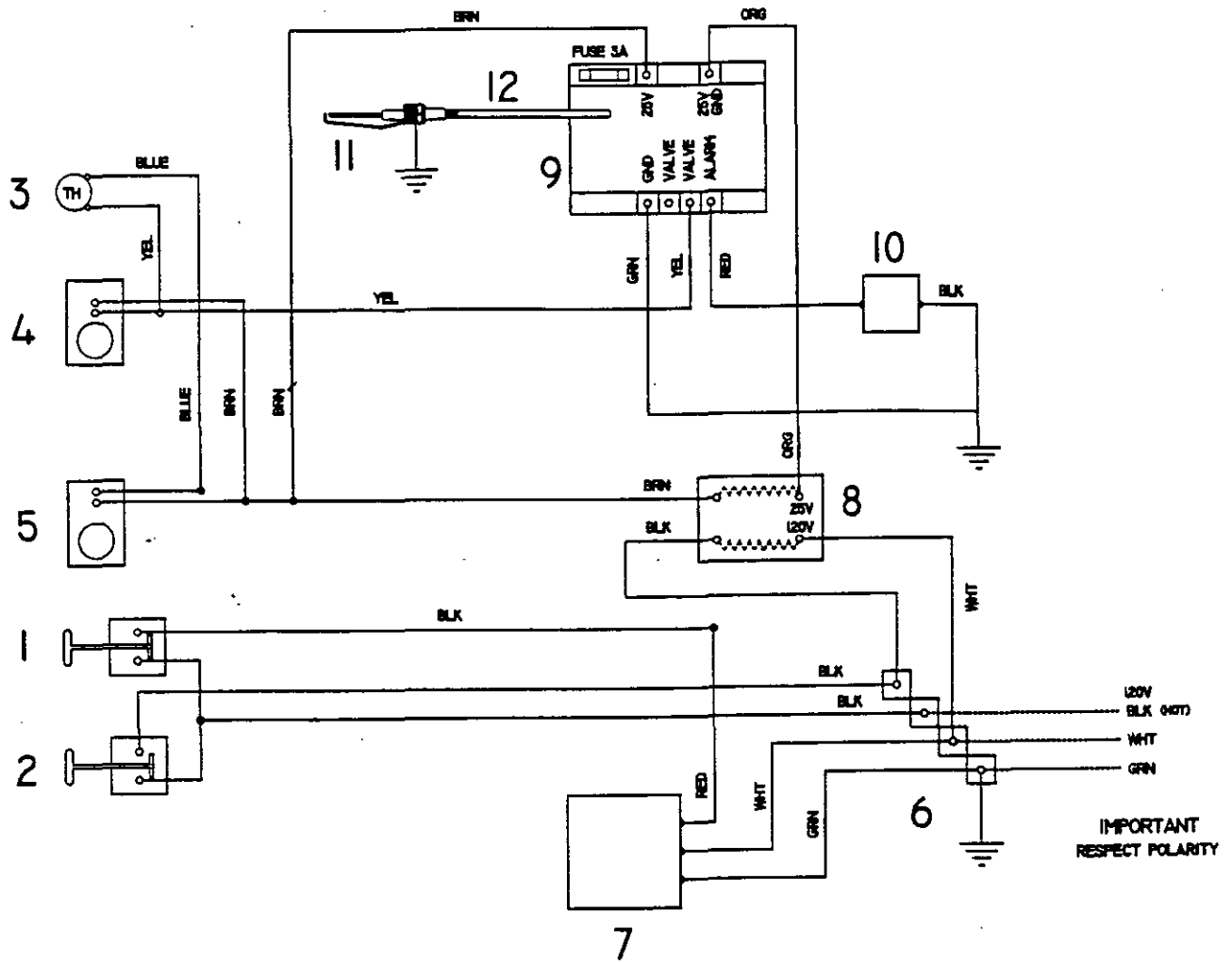
***1-800-38 ROTIS serie (387-6847)***

***514-631-7271. Monday to Friday 8:30 AM to 5:00 PM EST.***

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## WIRING DIAGRAM



- |                       |                        |
|-----------------------|------------------------|
| 1) MOTOR SWITCH       | 7) MOTOR               |
| 2) MAIN ON/OFF SWITCH | 8) TRANSFORMER         |
| 3) THERMOSTAT         | 9) CONTROL BOX         |
| 4) GAS VALVE          | 10) ALARM BUZZER       |
| 5) GAS VALVE          | 11) IGNITER            |
| 6) TERMINAL BLOCK     | 12) HIGH TENSION CABLE |

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