APPENDIX 6 — SET-UP AND SPECIFICATIONS FOR SKUTT PK KILNS

PK PRODUCTION KILNS

Skutt PK production kilns are heavy duty, high capacity units designed to meet the needs of the high fire production potter, tile maker and light industrial user. These kilns are equipped with upgraded components and wiring that will allow them to high fire extremely dense loads in a relatively short time.

FIRING

Skutt PK kilns feature our KilnMaster controller, so operation is identical to other KM kilns. Even though the earlier sections of this manual do not refer specifically to the PK kiln line, you may follow all the instructions on programming and firing routines.

KILN IMPROVEMENTS

If you are an intensive kiln user, you might find a PK kiln to be the appropriate choice for your next kiln purchase. Here are some the differences from our standard KM kiln line

First, PK kilns are designed to fire full, Cone 10 loads without stalling on the high end. To do so, they are equipped with industrial gauge wiring and three types of elements for better firing balance. Because of their high rating, electrical codes require that they be direct wired by an electrician; therefore no plug is included. Mercury displacement relays are used for longer life and quieter operation.

The hinged control box is larger, and compression connectors are used on the feeder wires for easier element replacement.

Finally, Model KM 1231PK comes with an additional stand for bottom slab support under heavy loads.

UNPACKING AND MOVING PK KILNS

Follow the general instructions on kiln set-up found in this manual. You will probably want to separate the kiln into sections when you set it up or move it to a different location. These instructions are slightly different than for standard KM kilns.

CAUTION: Before disassembling any PK kiln, be sure to turn off power to the kiln by throwing the circuit breaker or removing the fuse on its circuit. Do not restore power to the kiln until it is fully reassembled.

NOTE: The mercury relays in the switch box must be operated only with the switch box in a normal, vertical orientation.

To separate a PK kiln into sections

Step 1

- Refer to page 37, Removing the Lid Lifter, for instructions on Lid Lifter assembly.

Step 3

- Remove the screws from the side of the red control box and swing the panel to the side.

Step 4

- Number the feeder wires using tape so you can remember where they will be reconnected.

Step 5

- Loosen the terminal block lugs that hold the feeder wires. These are located on the fiberglass lined heat baffle. Remove wires from the three terminal blocks.

Step 6

- Slide the thermocouple connectors off the terminal strip.
- Lift the red control box up to remove it.

Step 7

- Unhook the draw pull catches and lift the sections using the handles provided.

To reassemble PK kilns

Step 1

- Stack the sections in original sequence.

Step 2

- Place the switch box on its hinges.

Step 3

- Reattach the feeder wires in their original positions. *Make sure the connection is very tight to avoid electrical problems.*

Step 4

- Reattach the thermocouple wires in their original position, positive to positive and negative to negative.

Step 5

- Reattach the screws which secure the control box to the kiln jacket.