## Installing the Glass Window on Paragon Fusion Kilns

6-6-08

Included in the High-Temperature Window Kit:

Steel bezel 1" x 3" or 2" x 2" glass 5 - #8 self-tapping screws

Tools needed:

Dremel with cut-off wheel. It may take several wheels. No. 409 works well.

Felt Marker

Duct Tape

Ruler

Drill with 1/8" bit

Hand screwdriver with a 1/4" hex bit

Hammer and small nail

Hacksaw blade; easier with a handle

1/2" stiff paintbrush

Vacuum

Some good music!

- 1) Center the glass over the peephole and draw around it onto the steel case with a felt-tip marker. (Note: The 1" x 3" glass is designed to be installed horizontally. However, Judy Killian installed her 1" x 3" window vertically on her Paragon Fusion-7. This is optional.)
- 2) Cut out the glass-sized hole with the Dremel tool. Go light and the bits will last longer. Do not over-cut the corners as the screw holes go there. Avoid cutting into the firebrick. After cutting 3 sides, duct tape the side opposite the last cut to hold it still while cutting so that it will not bind the Dremel bit
- 3) Center the enclosed steel bezel over the hole you just made. With a felt-tip pen, mark the location of the 5 holes onto the kiln case. (You will find 4 corner holes. The 5th hole should go on the bottom to help prevent the glass from falling out should the bezel ever become loose.)
- 4) With the hammer and nail, tap a slight dent in the kiln case for each screw hole to help start the drill hole in the right place. Drill 5 1/8" screw holes into the kiln case.
- 5) Install the steel bezel over the hole in the case with the 5 screws. Be very careful not to strip out the holes by over tightening. The bezel should be loose.

- 6) Use a hacksaw blade to gently cut a 1" x 3" or 2" x 2" hole (size depends on the kit you are installing) into the firebrick. Put the hacksaw in through the peephole to start. Use the steel bezel as a guide. Go slow and make many small cuts. The top and bottom of the hole should angle downward so that you can see the kiln bottom through the hole.
- 7) Sand the edges of the hole. Dust with a stiff paintbrush. Then vacuum the dust. (Note: Do not breathe the brick dust.)
- 8) Starting from the top, carefully slide the enclosed high-temperature glass between the kiln case and the loosened steel bezel. After the glass is centered over the 1" x 3" or 2" x 2" hole, tighten the 5 screws. But do not over tighten.

Many thanks to Judy Killian and her husband Scott for their kind assistance in writing these instructions.