

Preliminary Procedures for Installing the CDC Outer Shell

These procedures describe the installation of the gas plumbing through the CDC and the installation of the CDC outer shell. This procedure occurs in the clean room so standard clean-room procedures are applied.

1. The chamber is brought back to its horizontal position and installed in the support brackets that were used during frame assembly.
2. Gas lines with widgets are put through the holes in the chamber and the widgets are glued into place using DP-190 epoxy.
3. The quarter-ring hubs are glued into the two endplates to support the outer shell. This is done using DP-190 epoxy.
4. The two halves of the outer shell are glued to the hubs. Support clamps will likely be necessary to hold the shell in place.
5. The seam of the outer shell is taped over using to be designated tape.
6. A strip of copper tape is run over each of the seams and connected to the aluminum endplate.
7. The chamber is returned to the vertical position for wire stringing.

Training:

This is a one-time procedure. Training will be developed for appropriate subparts as deemed necessary.

Safety Issues:

Care must be exercised when lowering and raising the chamber. The scaffolding will also be used during this procedure, so care should be exercised there as well.