

SAFIRE PI Rack to SI Rack Cabling

Draft by Dominic Benford, April 13, 2001

Fabry-Perot control:

Assume we need some form of ethernet to talk with an intelligent controller. This can use either a coax (e.g., J70) or a data connector (e.g., J110).

Detectors:

We need to communicate with the tower cards through coaxes. I think this pushes us to put the IRC computer in the SI rack. Therefore, we want ethernet to connect to it. The data link (e.g., J111) is 100MB/s, so we should have no trouble. Perhaps we also need to route video (e.g., J112-J114) and keyboard/mouse (e.g., J75). This is the biggest unknown for me.

Power:

Assume J128 supplies enough power for us.

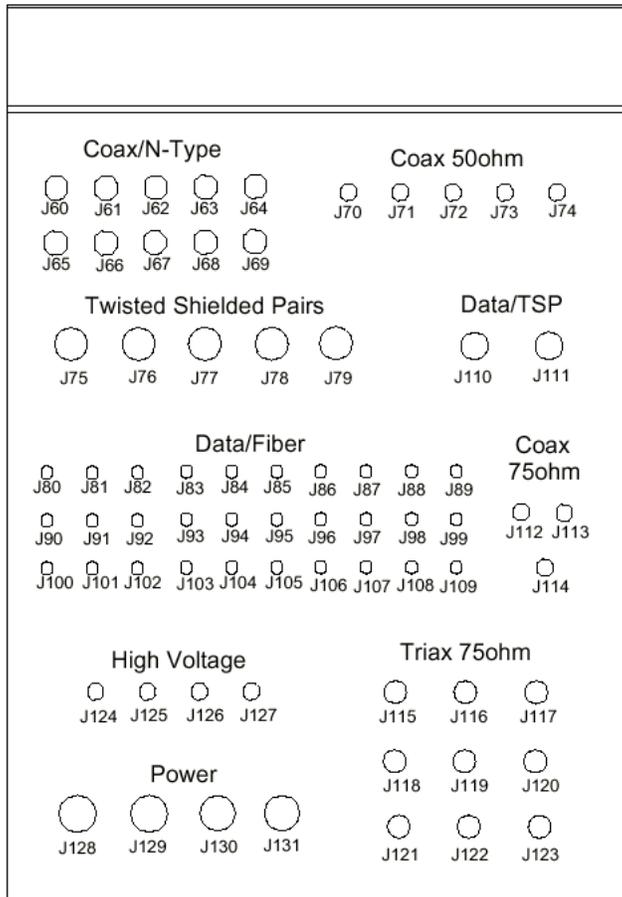
Housekeeping:

Assume GPIB by fiber. Use, e.g., J100.

Further controls:

Assume controlled by the same mechanism as F-P controller.

Below is the Patch Panel diagram. We use very little of this capability.



SECTION **A-A**
VIEW LOOKING DOWN ON SI PANEL