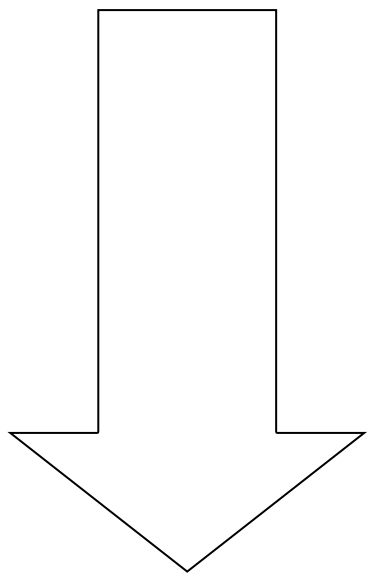


# The Reconstruction of the Fermilab Accelerator Main Control Room



View of the Main Control Room ( MCR ) in early 2012

This room defines operations at Fermilab. It has grown and been modified as needed for 40+ years. Some of the racks and hardware are the original 1970 installation. This space had to be reused for the re-built Control Room.



## Environmental Concerns

Asbestos floor tiles removed. Different standards in 1970. New carpet, floor tiles and lighting gets installed.



## Remove Equipment

Equipment removed and **stored**. Signal cables pulled back. Electrical service disconnected.



## Prepping for the Installation

Inventory cable and equipment. The previous year was spent removing unused cable and equipment.



## Working in Stages

Even during a shutdown, devices must be monitored and access to enclosures must be maintained.



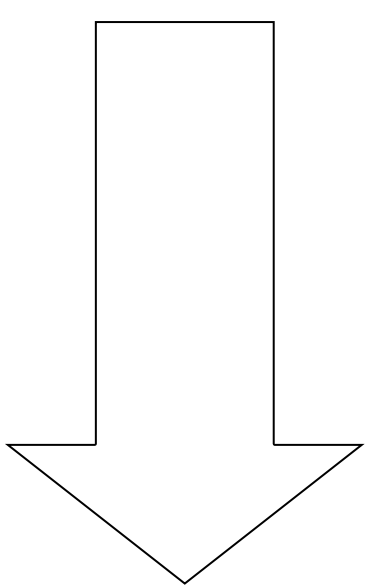
## Starting Installation

Commercial hardware. Measurement to position equipment in the room is critical.



## Midway into Installation

Putting back the electrical service and pulling back signal and control cables.



## The Fermilab Main Control Room in 2014

The rebuilt control room has worked well, and continues to be modified. It was a tremendous amount of work.

### Lessons Learned

Do your homework

Work with the Designer and Installer

You have to be involved to get the room you want