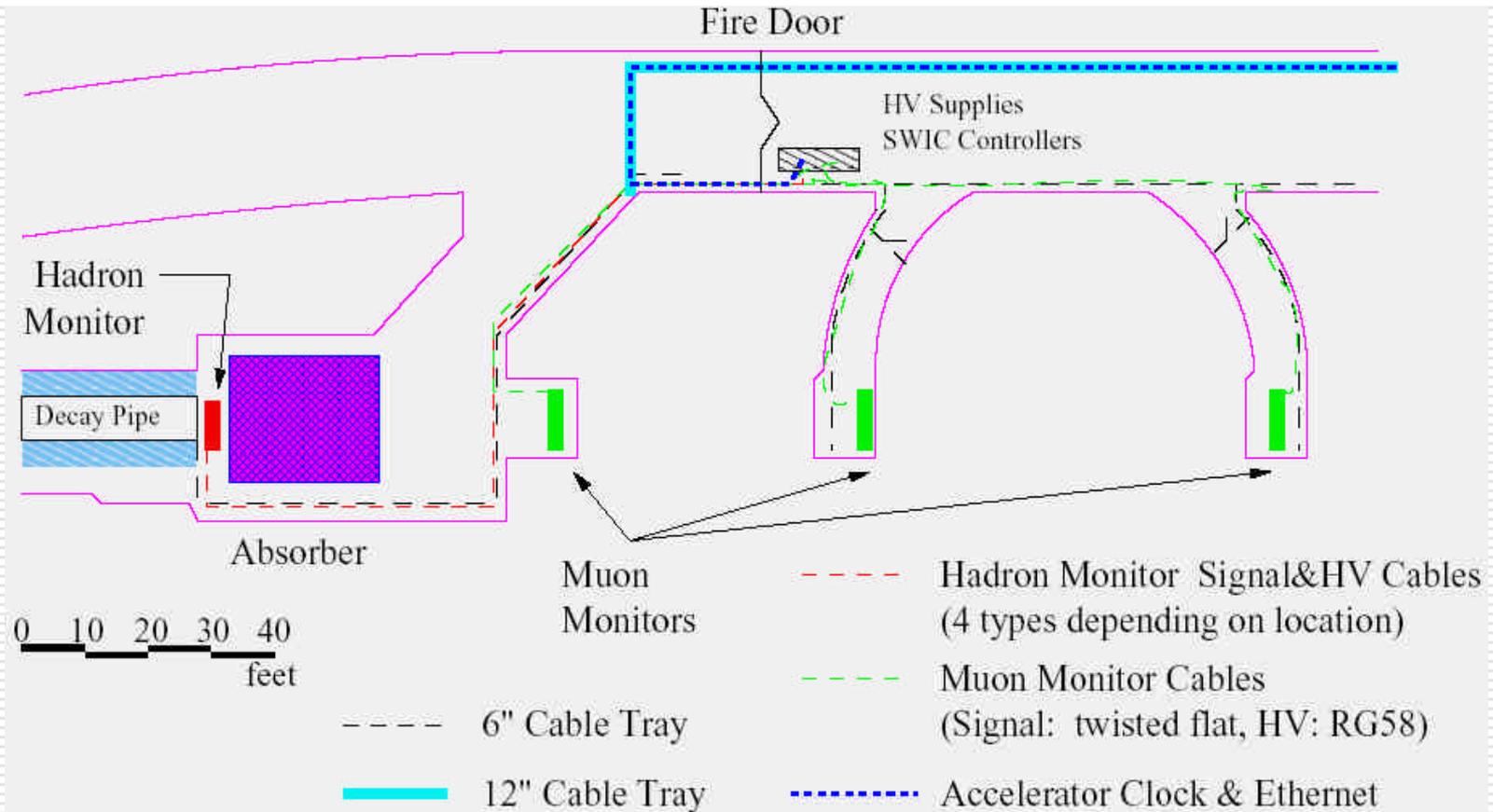


Delmar F. Miller Jr.

- Responsibility : Installations of components of the Absorber and Muon Monitors Structures
-

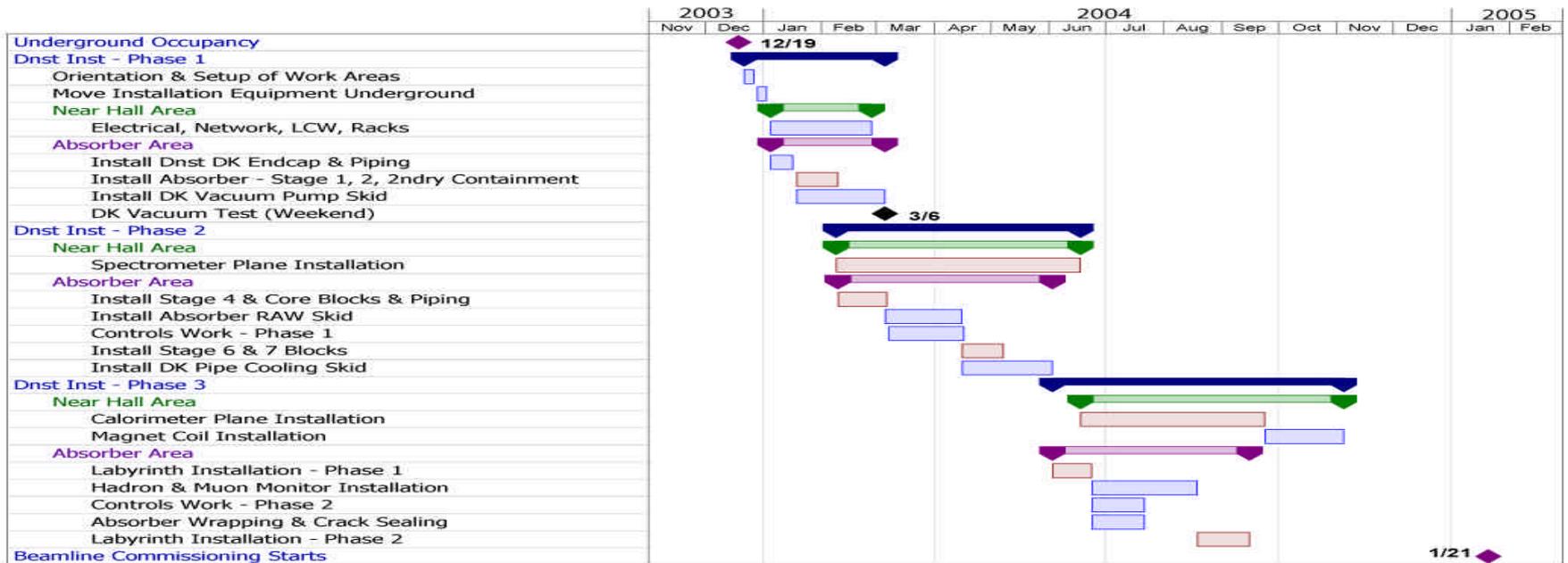
Area of Responsibility



Biography

- ❑ Been at the lab over 34 year
 - ❑ Involve with building Booster magnet and installation
 - ❑ Part of the Main Ring magnet redesign group
 - ❑ Was a starting member of Fermilab first site wide survey group (4)
 - ❑ Experiment Installation Manager for Neutrino
 - ❑ Installed the Super conducting coil into the CCM
 - ❑ Move CCM from NWA to New Muon Lab
 - ❑ Manager for Energy Double Cryostat production
 - ❑ Site Manager for Neutrino beam lines upgrades
 - ❑ Experiment Installation Manager for Meson and Proton
 - ❑ Part of the R&D group for D-Zero End Calorimeters
 - ❑ Manager of building D-Zero End Calorimeters
 - ❑ Manager of D-Zero final assemble and roll in
 - ❑ D-Zero mechanical and instillation manger of all past upgrades
-

Schedule

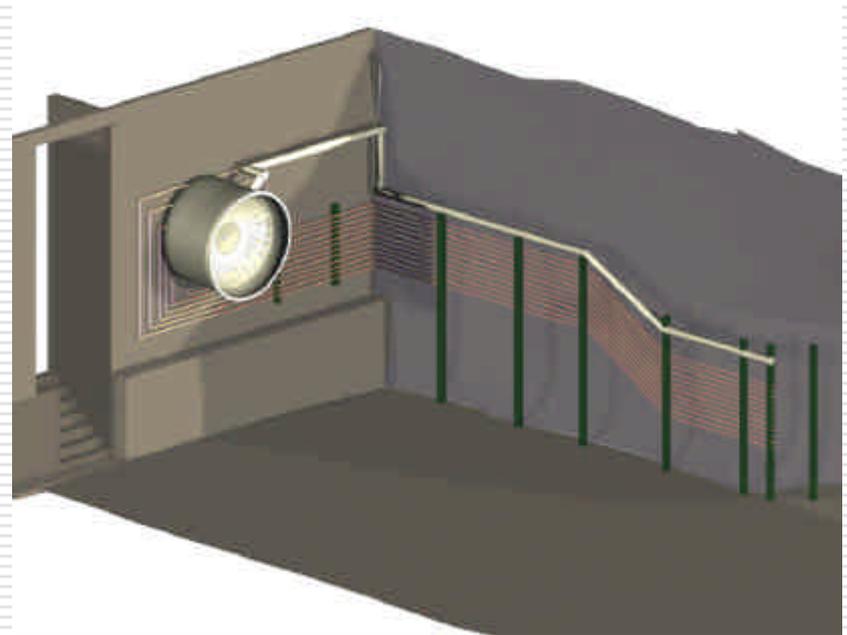


Absorber Hall Installation

- ❑ EST. Work Effort Time 2 Days for Following:
 - ❑ Lower 2 Man-lifts bring to Absorber Hall
 - ❑ Lower Forklift and Batteries
 - ❑ Lower in Decay Pipe Vacuum Cover
 - ❑ Start installing Fall Protection Hardware
 - ❑ Bring in Welding Machine
 - ❑ Stage Concrete blocks
-

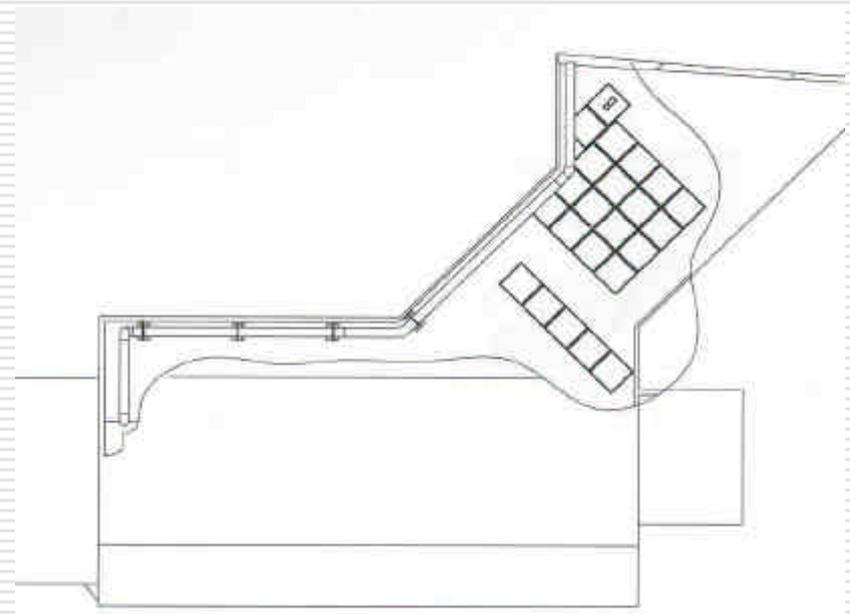
Absorber Hall Installation

- ❑ EST. Work Effort Time
3 Days for Following:
- ❑ Raise Vacuum window
in place and tack it on
- ❑ Weld Vacuum window
on
- ❑ Bring in Taft 30 Ton
Gantry lift and rails
then Assemble
- ❑ Continue to stage Blue
Steel blocks



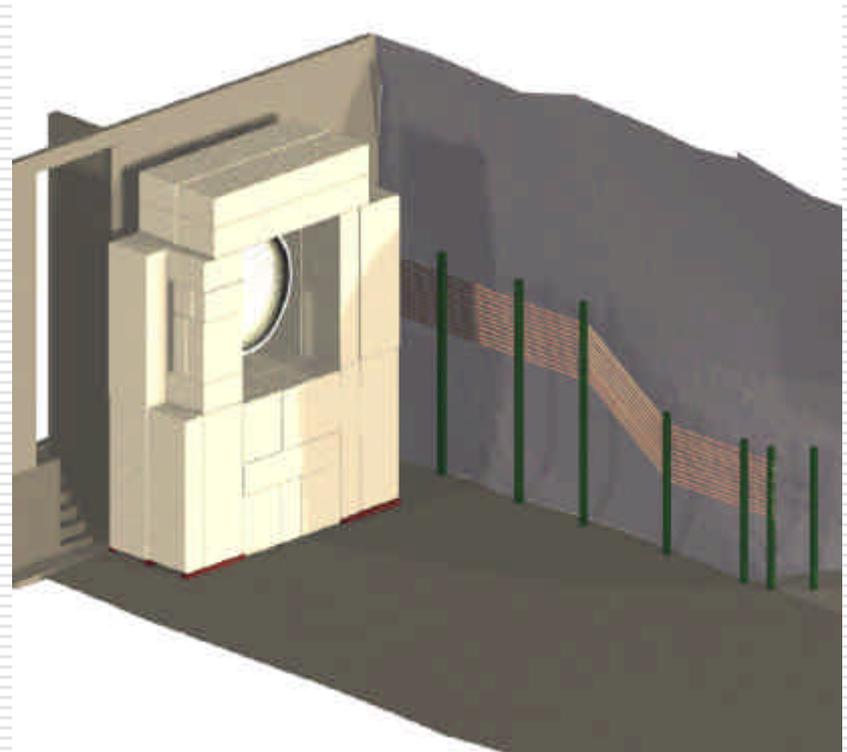
Absorber Hall Installation

- ❑ EST. Work Effort
Time 7 Days for
Following:
- ❑ Weld Vacuum
Pump line and test



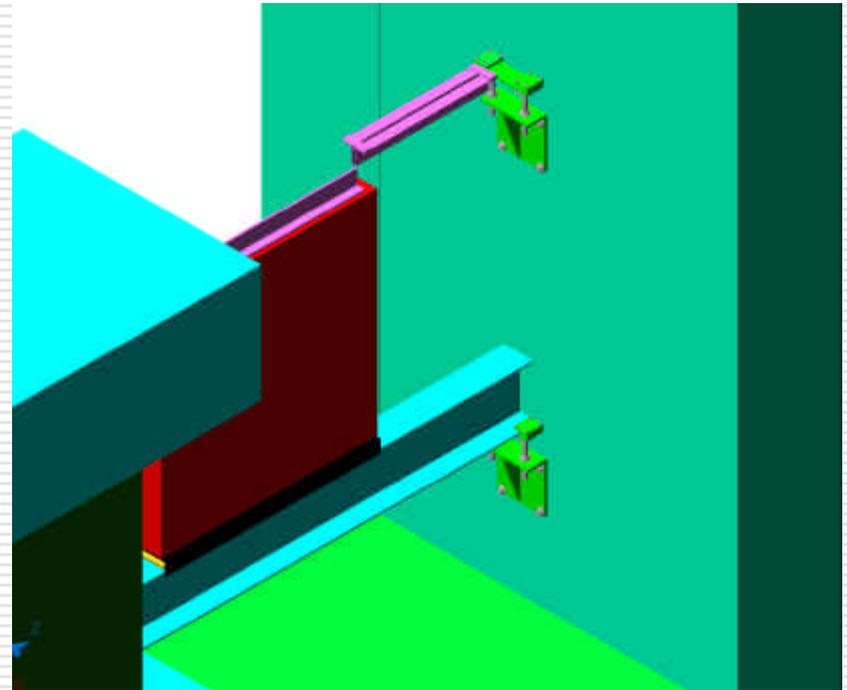
Absorber Hall Installation

- ❑ EST. Work Effort Time
3 Days for Following:
- ❑ Assemble Concrete blocks around the Vacuum window.
- ❑ Using a compressible foam to seal gaps between blocks and wall



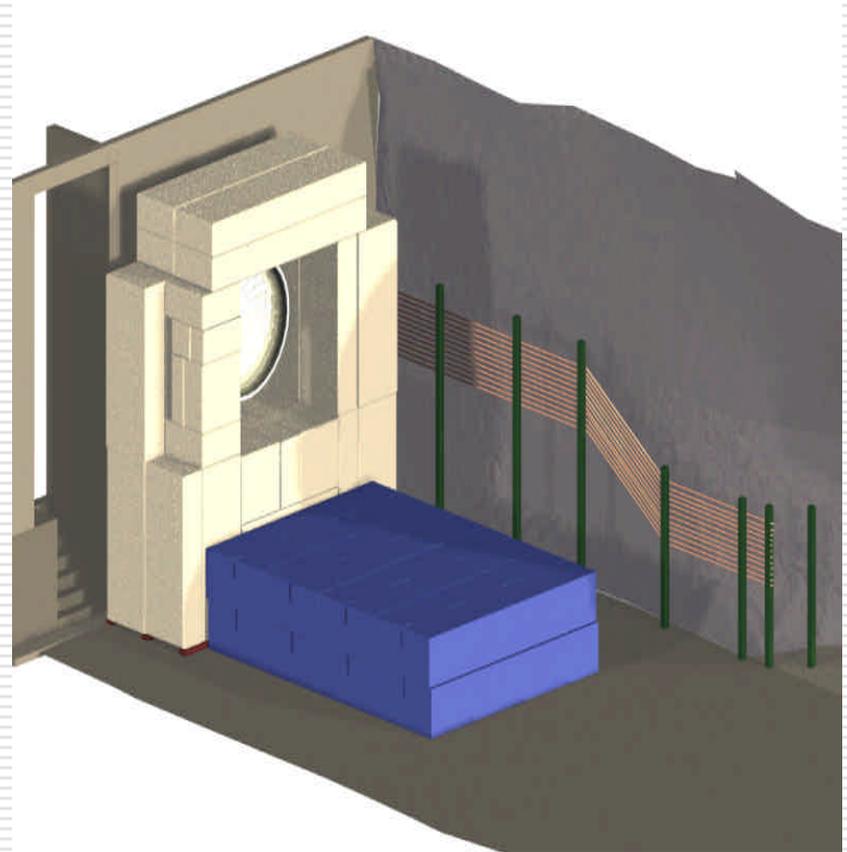
Absorber Hall Installation

- ❑ EST. Work Effort Time
2 Days for Following:
- ❑ Install Hadron
Detector Support
- ❑ Install Hadron Door
- ❑ Install Hadron
Lifting System



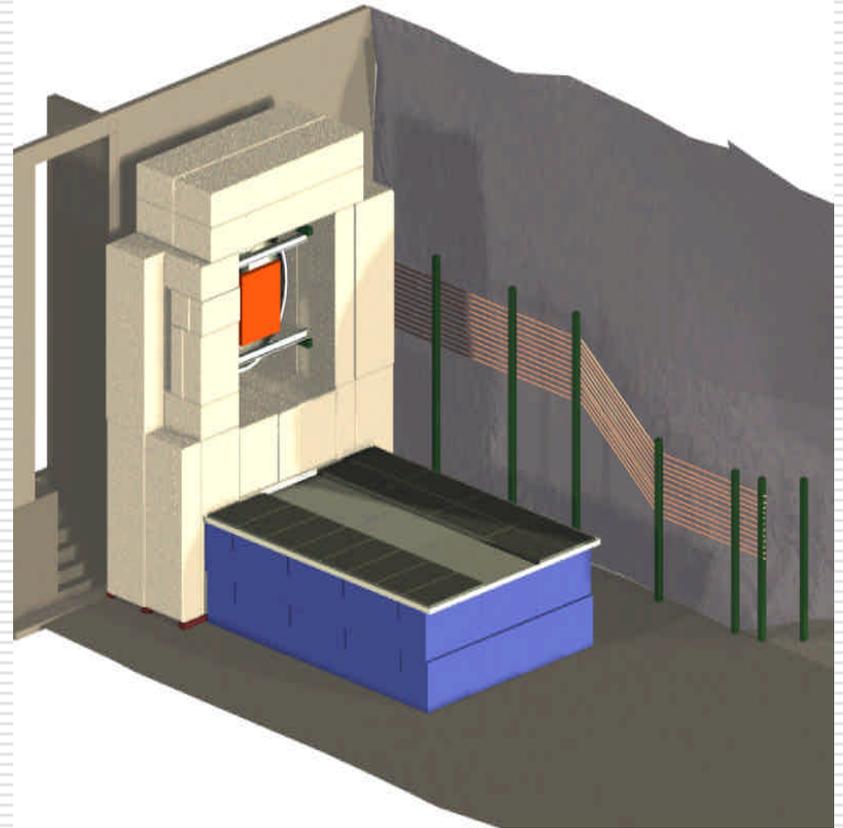
Absorber Hall Installation

- ❑ EST. Work Effort Time
3 Days for Following:
- ❑ Using Forklift
arrange the first
two layer of blue
steel shielding (24)



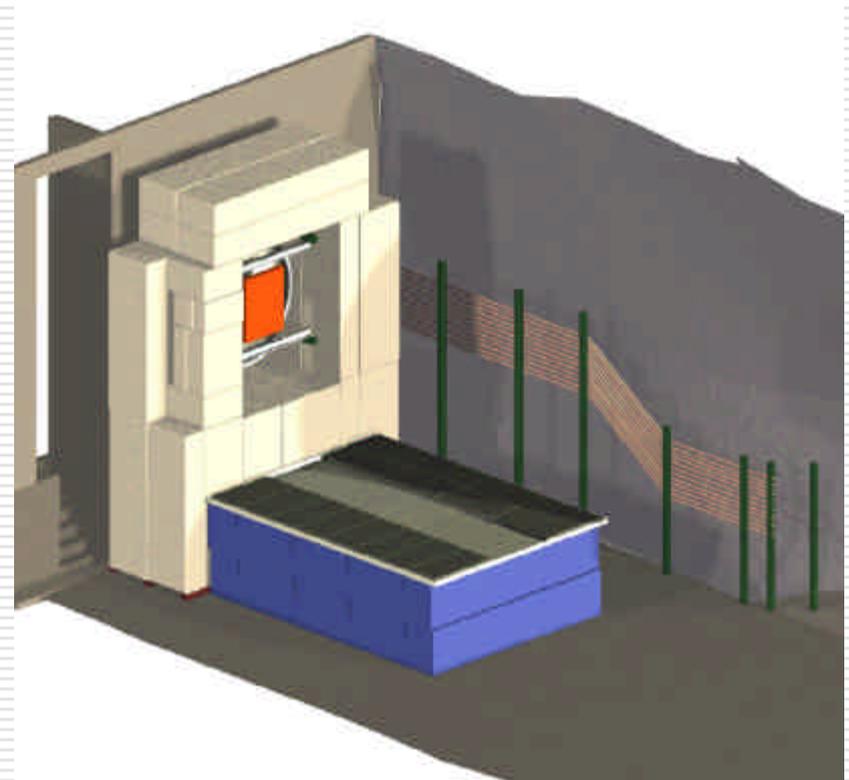
Absorber Hall Installation

- ❑ EST. Work Effort Time 3 Days for Following:
- ❑ Install Radiated Water Trough Materials (14)
- ❑ Weld
- ❑ Stage Concrete Shielding "B" Blocks
- ❑ Stage Steel Spacer
- ❑ Stage Blue Blocks



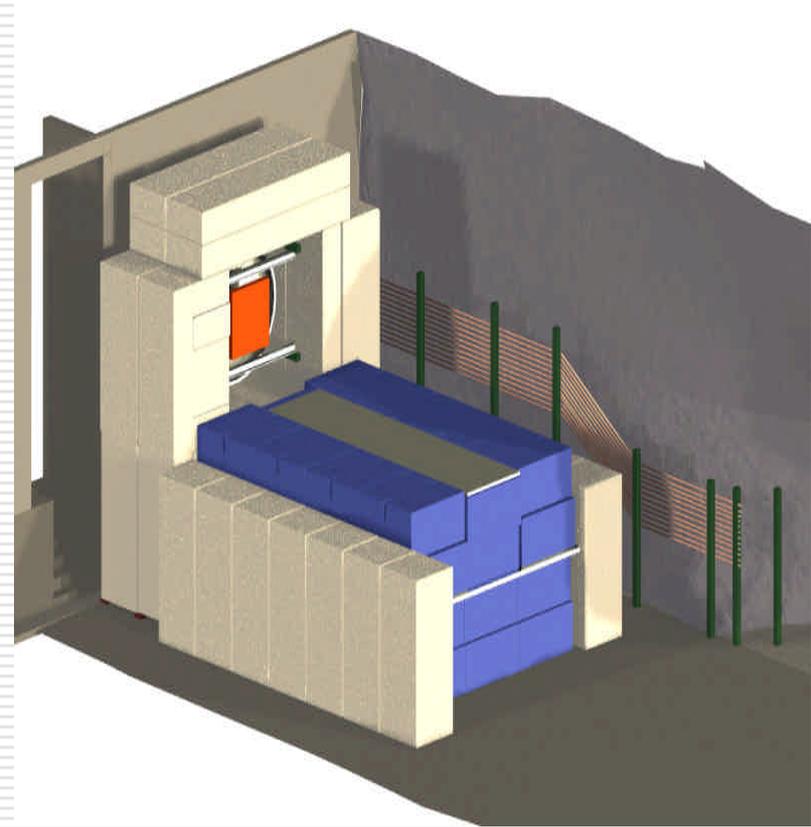
Absorber Hall Installation

- ❑ EST. Work Effort
Time 2 Days for
Following:
- ❑ Install Steel
Spacers (16)



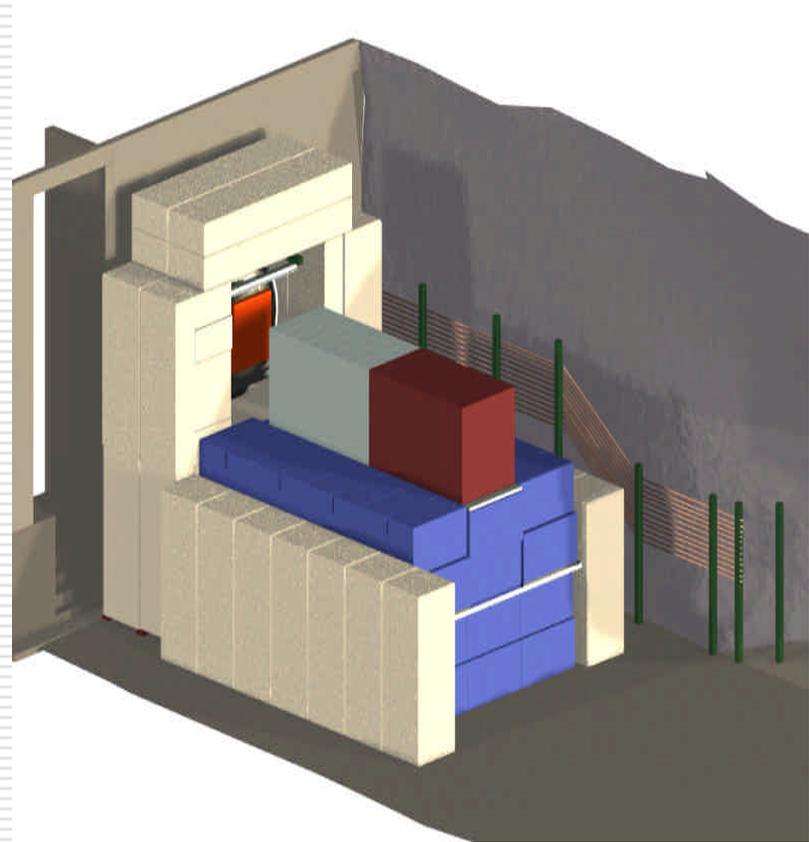
Absorber Hall Installation

- ❑ EST. Work Effort Time
6 Days for Following:
- ❑ Install Concrete
Shielding (14)
- ❑ Install Blue Steel
Blocks (24)
- ❑ Install Absorber
Base and Align



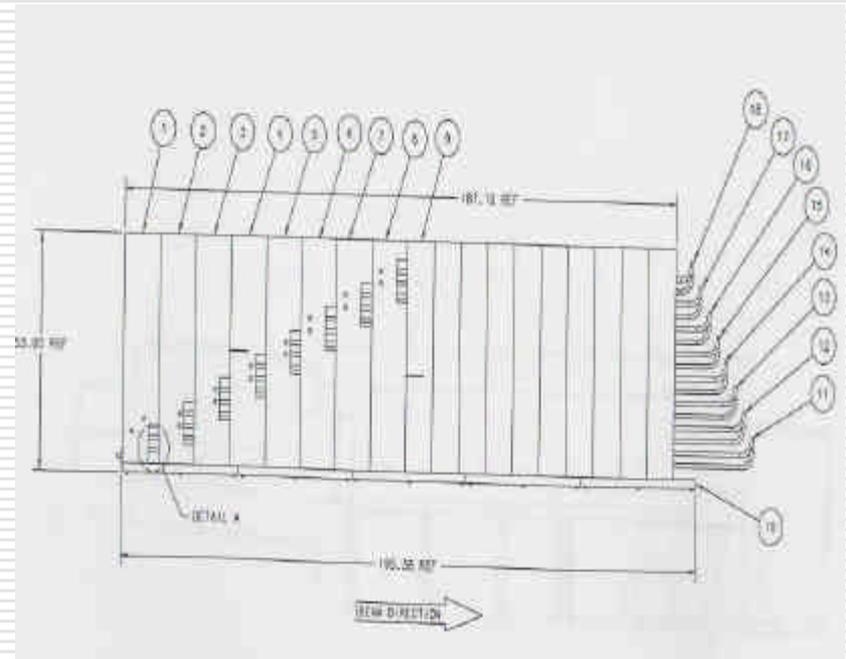
Absorber Hall Installation

- ❑ EST. Work Effort Time
3 Days for Following:
- ❑ Partial Assembly of
Absorber



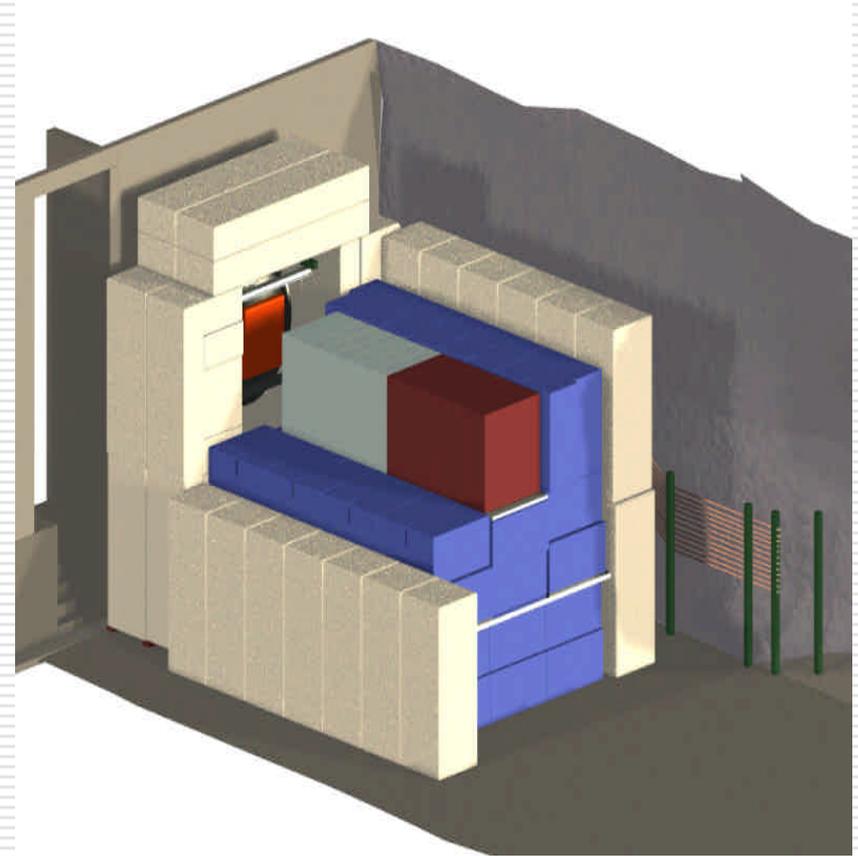
Absorber Hall Installation

- ❑ EST. Work Effort Time
5 Days for Following:
- ❑ Weld Absorber
Cooling tubes to
Blocks
- ❑ Hydro-test welds
- ❑ Final Assembly of
Absorber



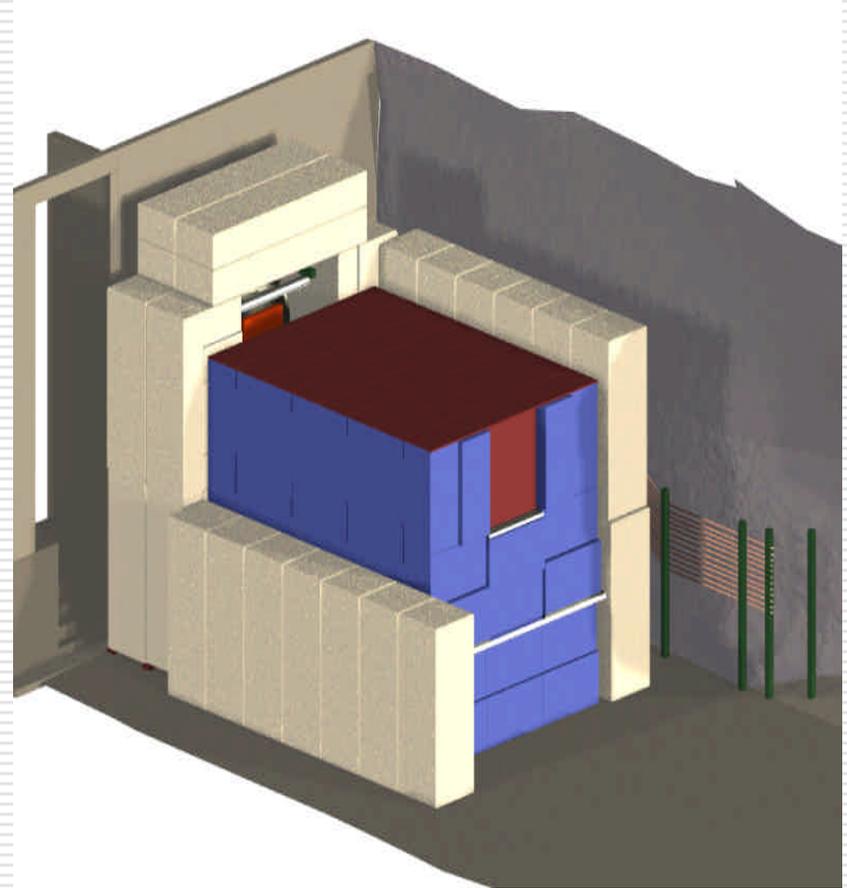
Absorber Hall Installation

- ❑ EST. Work Effort Time
5 Days for Following:
- ❑ Add Concrete
Shielding (7)
- ❑ Add Blue Steel
Blocks (12)



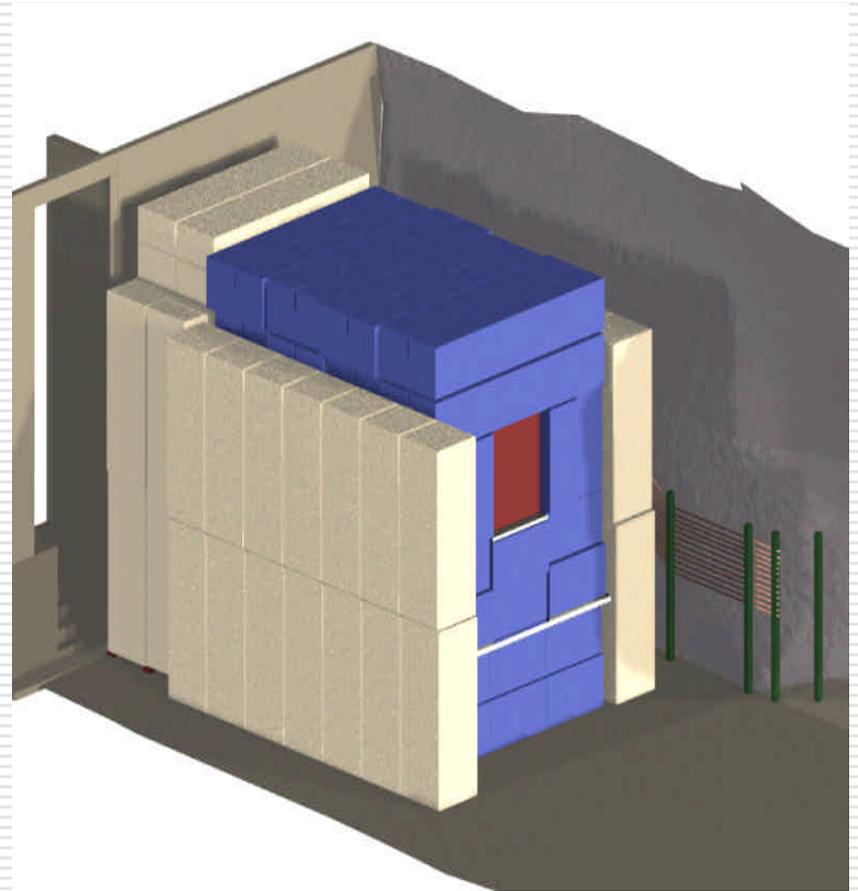
Absorber Hall Installation

- ❑ EST. Work Effort Time
3 Days for Following:
- ❑ Add Blue Steel
Shielding (12)
- ❑ Add Steel cover



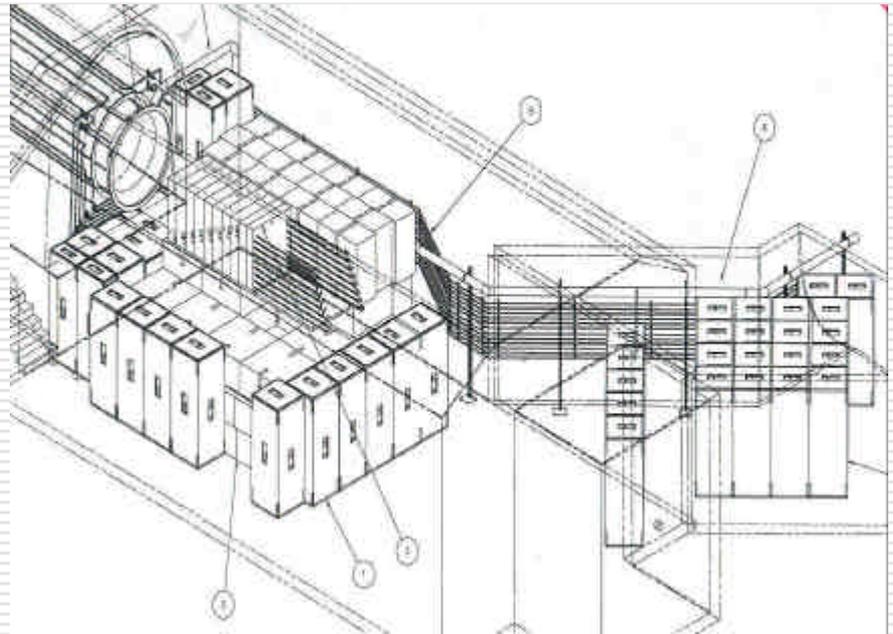
Absorber Hall Installation

- ❑ EST. Work Effort Time
5 Days for Following:
- ❑ Install Blue Steel
Shielding (24)
- ❑ Install Concrete
Shielding "B" (7)



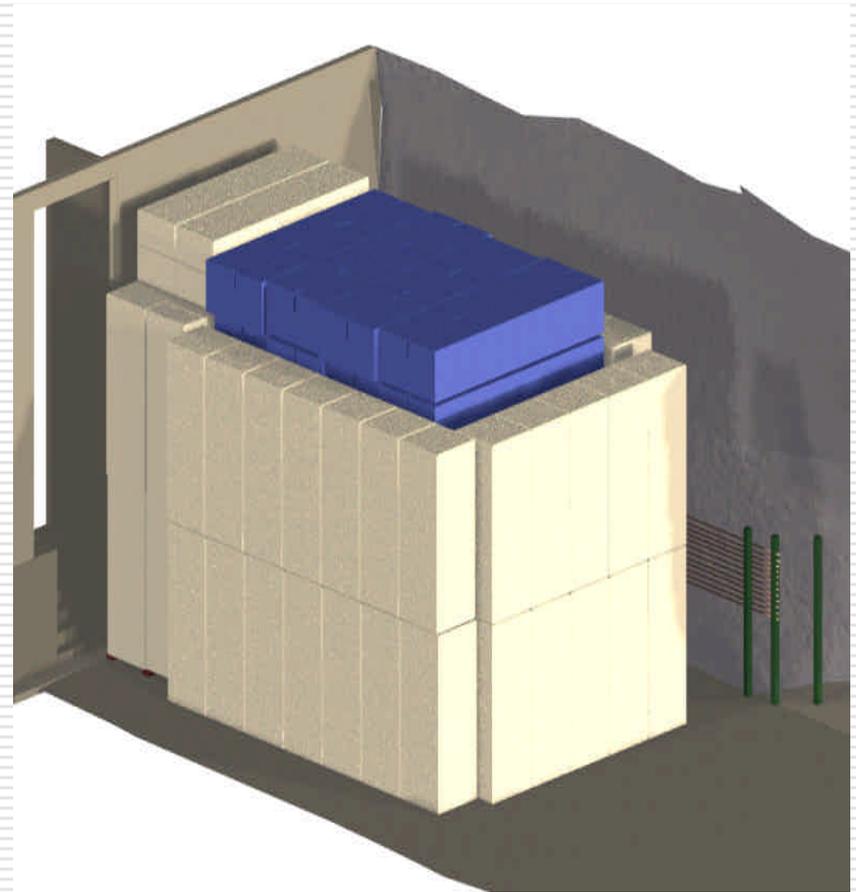
Absorber Hall Installation

- ❑ EST. Work Effort Time
21 Days for Following:
- ❑ Finish Cooling
Tubes welding and
Quality Control



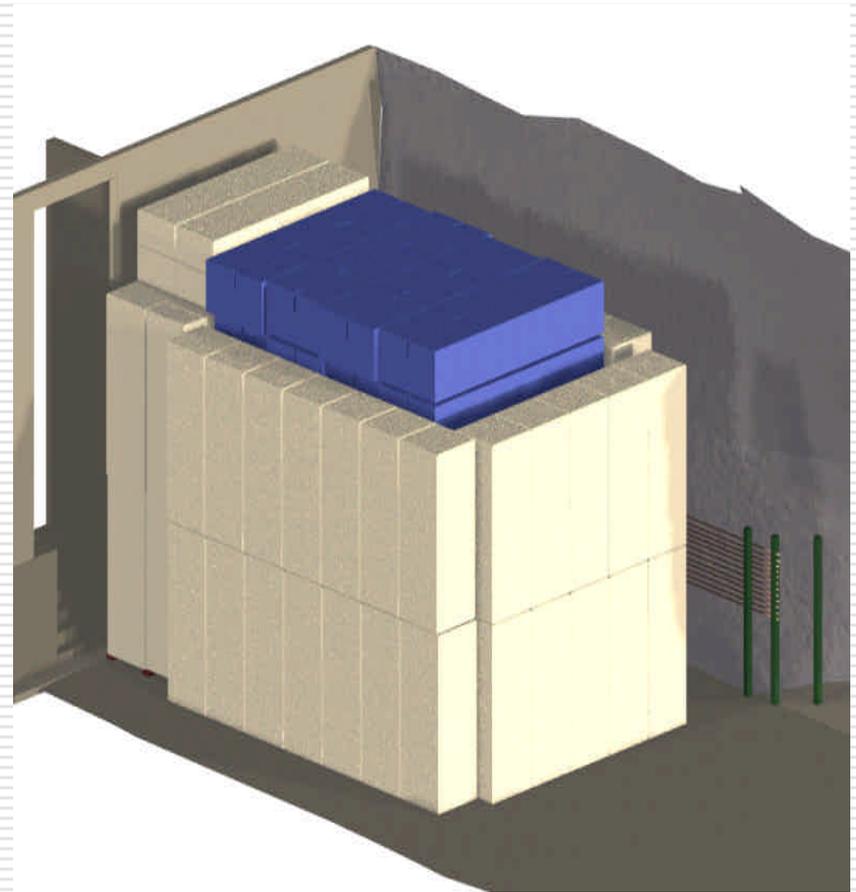
Absorber Hall Installation

- ❑ EST. Work Effort Time
1 Day for Following:
- ❑ Install Concrete
Shielding "B"
Blocks(10)



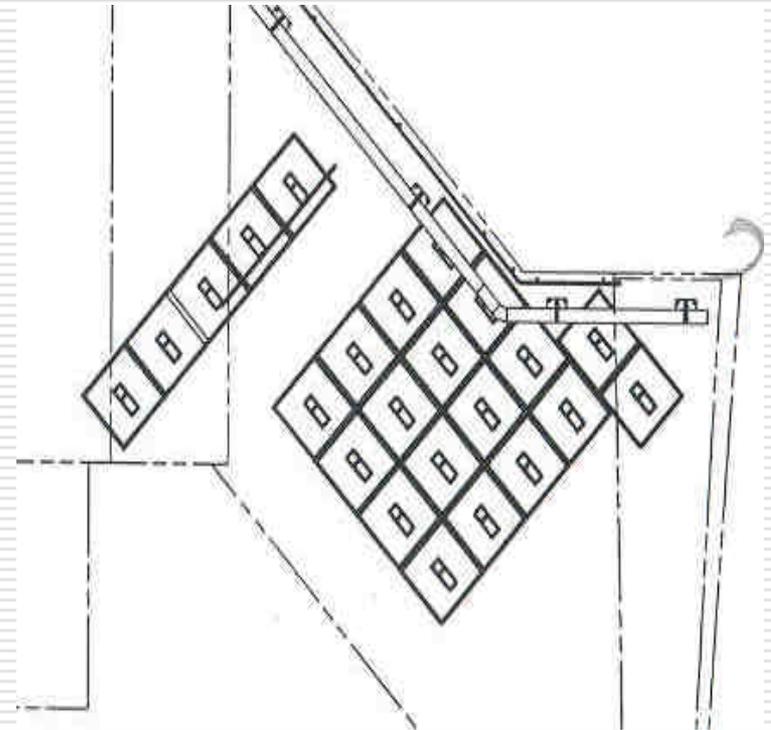
Absorber Hall Installation

- ❑ EST. Work Effort Time
5 Days for Following:
- ❑ Install air seal
around the
Absorber Shielding



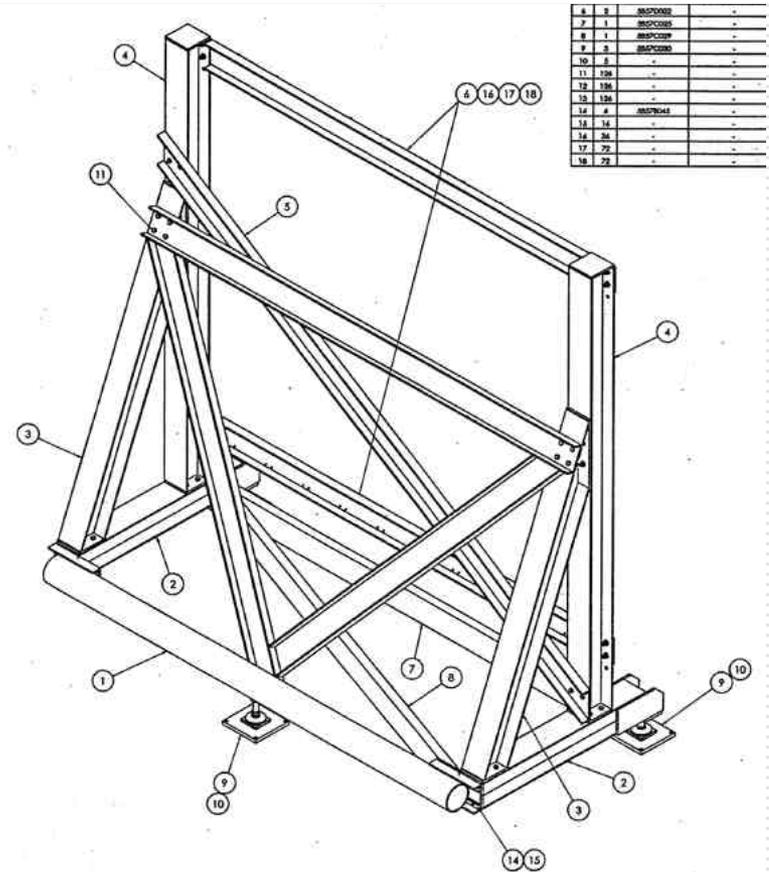
Absorber Hall Installation

- ❑ EST. Work Effort Time
3 Days for Following:
- ❑ Install Absorber
Cavern
Passageway
Shielding



Muon Monitors Installation

- ❑ EST. Work Effort Time 3 Days for Following:
- ❑ Assemble frames @ three locations
- ❑ This work is plan for June



Summary

- ❑ Many operations are in series, but there are operations done in parallel.
 - ❑ The series operation will cease other Absorber work.
 - ❑ Time estimates on work related to the Absorber, but not part of my reasonability's are just my estimates!
-