

ATF2 Mover System

MOVERS:

- 1) The movers should be removed from the FFTB tunnel and available for testing by the end of June.
- 2) Depending on SLAC requirements, there may be 30 movers (including the unit at ATF) for use in ATF2.
- 3) Following removal and separation from the magnets the movers will be visually inspected for radiation damage and mechanical wear.
- 4) Each mover will be tested for smooth operation with a test load. (What is the weight of the ATF2 quads?)

ELECTRONICS

- 1) 90 channels of mover and LVDT read back electronics available.
- 2) 2 DC power supplies available
- 3) Have tested all 90 channels of mover and LVDT electronics.

CABLE PLANT

- 1) Have partially removed 24 sets of cables from the FFTB tunnel. These cables will be completely removed from the tunnel starting in August.
- 2) Will prepare 6 more sets of mover cables.
- 3) Cables will be inspected for damaged and labeled for installation at ATF. Because the length of cables required for ATF is unknown, tunnel ends of cables will be terminated once they are installed in the ATF2 tunnel. SLAC will provide connectors and pins and wiring information.

Mover shipping and requirements:

SHIPPING

- 1) Movers will be shipped in 5 to 6 crates
- 2) Electronics will be shipped in 2 crates
- 3) Cables will be shipped in 2 to 3 crates.
- 4) Equipment should be ready for shipping by the end of September.

RACK SPACE REQUIREMENTS

- 1) 6 magnet mover chassis 3 rack units each
- 2) 10 resistor chassis 3 rack units each (resistor chassis need to be located within 1 meter of magnet mover chassis).
- 3) 2 DC power supplies require 2 rack units
- 4) 52 rack units space evenly in 2 adjacent racks

CAMAC SPACE REQUIREMENTS

- 1) 2 slots for magnet mover modules
- 2) 12 slots for LVDT modules
- 3) 3 slots for ADC modules (pot read back)
- 4) Camac crate needs to be located within 2 meters of magnet mover chassis.