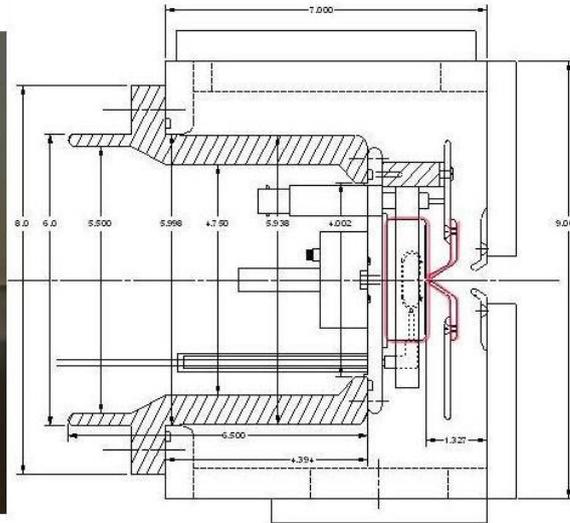
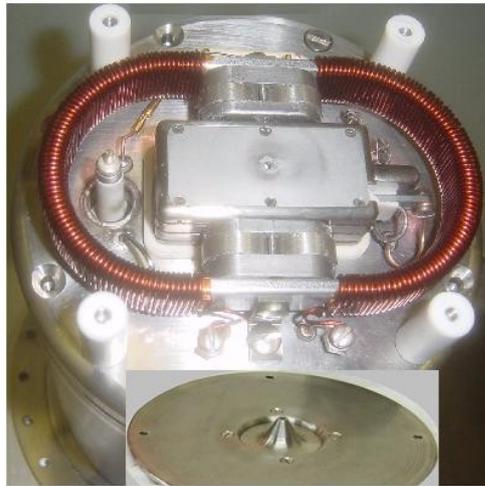


Pre-injector Upgrade Updates (31 Mar – 14 Apr 2010)

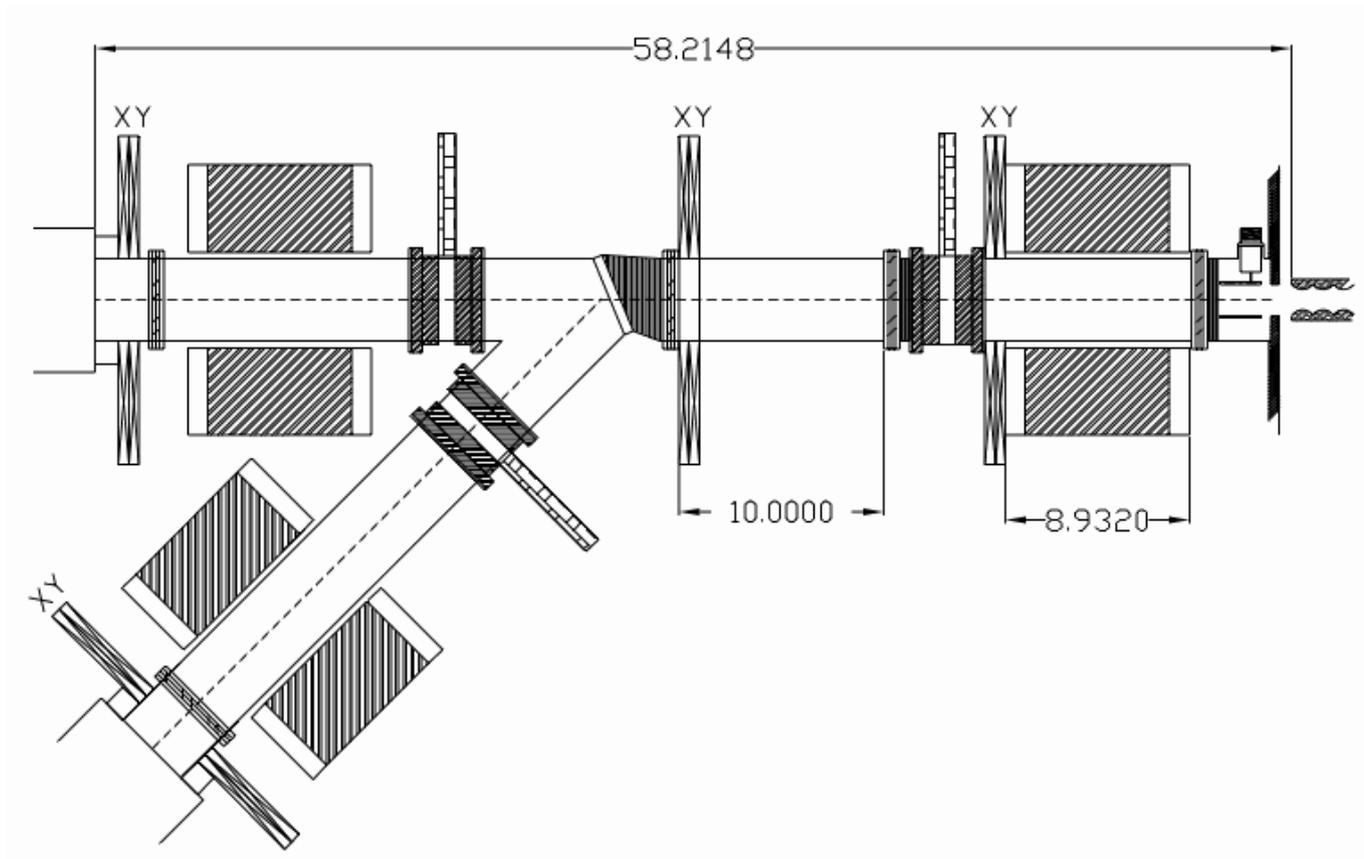
C.Y. Tan
14 April 2010

Source Status



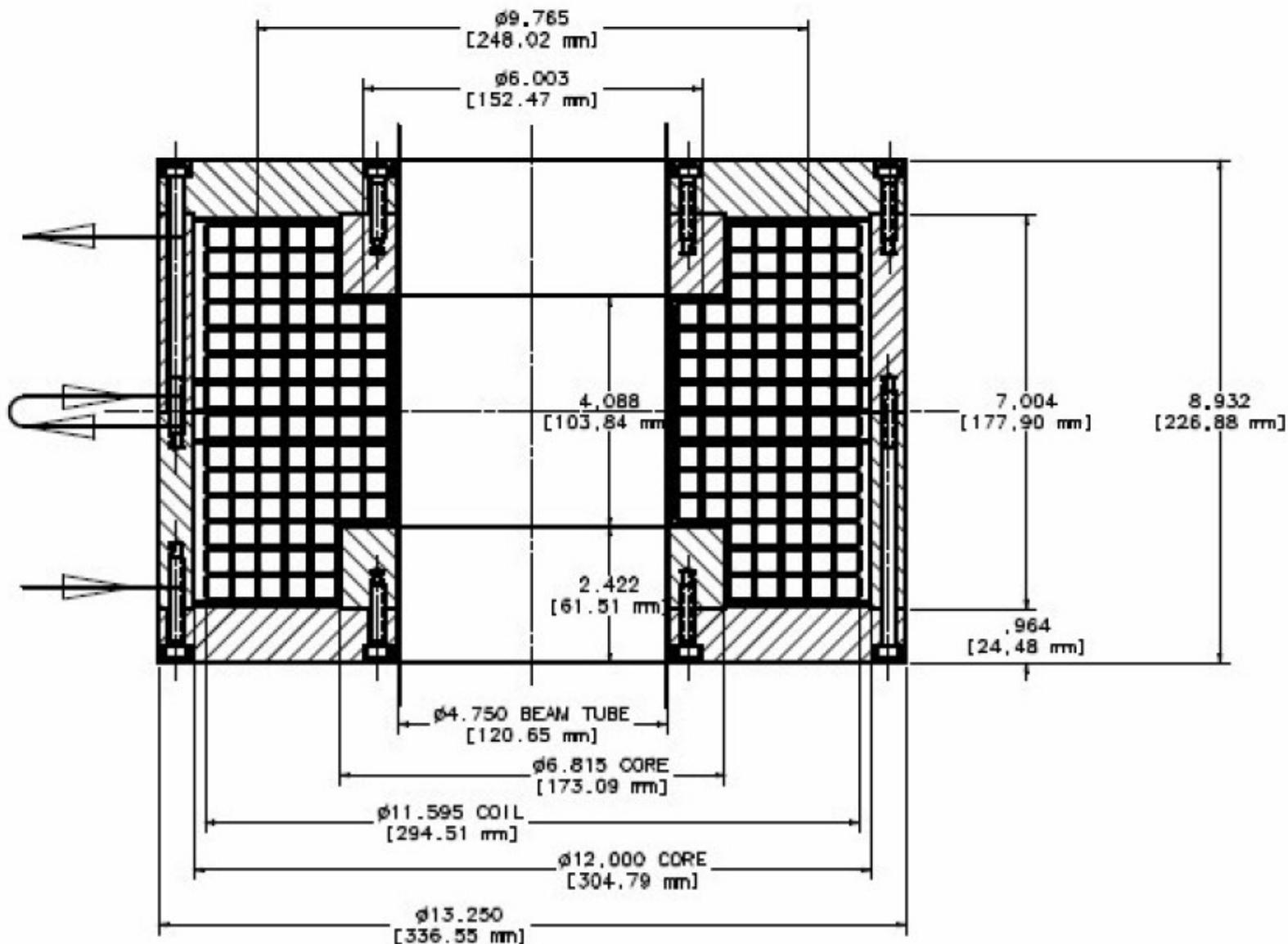
Device	Status	Comments
Source Pulser		Installed, not fired up Still working on it

LEBT Status

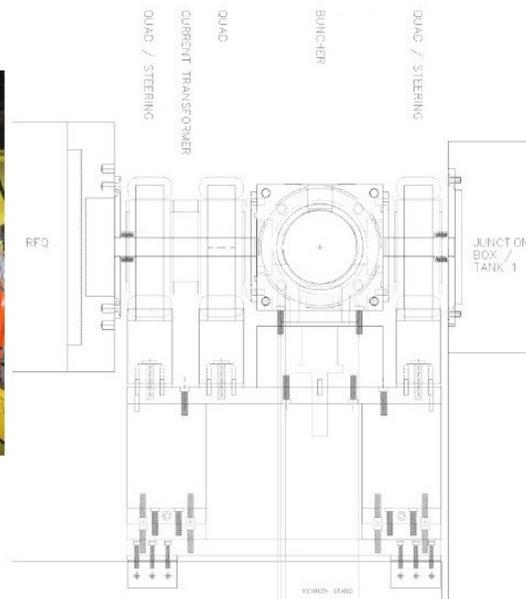
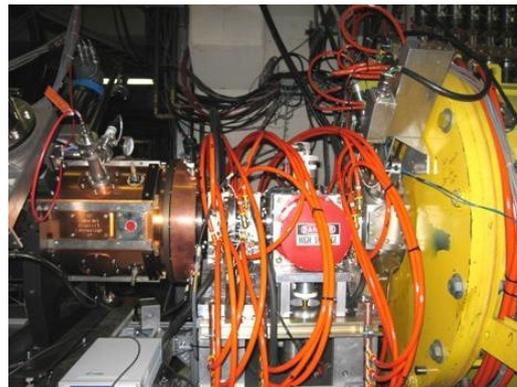


Device	Status	Comments
Solenoids	To be sent to drafter	8 weeks to draw
Power for solenoids		Unknown
Correctors		No progress
Einzel Lens		Waiting for experiments to complete
Pulser for Einzel		Work in progress

Solenoid Dimensions (Variant 6)



MEBT Status



Device	Status	Comments
Quads	Have laminations vendor.	\$30 to 40\$k per magnet
Buncher	Buying from Japan with BNL	Maybe
Power for quads		??
Power for buncher		??

RFQ Status

- PS for RFQ is in linac area.
- Source test area will be cleared to become RFQ test area.
- “Purchasing Bureacracy” is holding up order. Must have bid process because sole source cannot be done easily.

RFQ reminders

- If Schempp is vendor
 - Make sure that the vanes are cleaned! See ISIS email.
 - Some cleaning details supplied by ISIS.
 - Review and verify on site mechanical design and construction (already in contract).
- Add current transformers at beginning and end of RFQ. (Save space in MEBT).

Test Stand

- Room preparation.
- Beam dump
- Instrumentation
 - Wires
 - Dipole for energy
 - Faraday cup (longitudinal bunch length and charge)
 - ISIS used gas scattering analyzer (?).