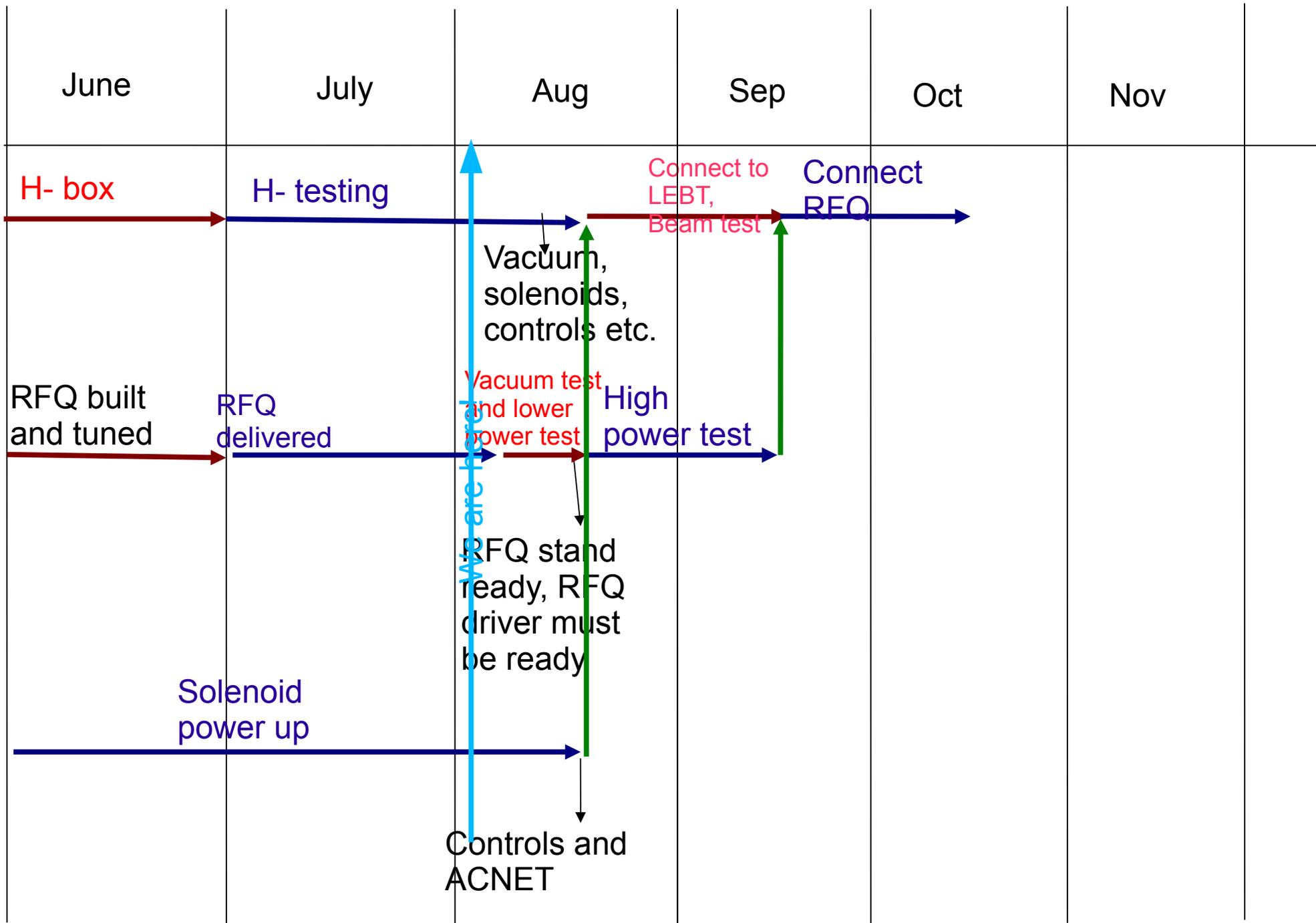


Pre-injector Upgrade Updates (20 Jul 2011 – 03 Aug 2011)

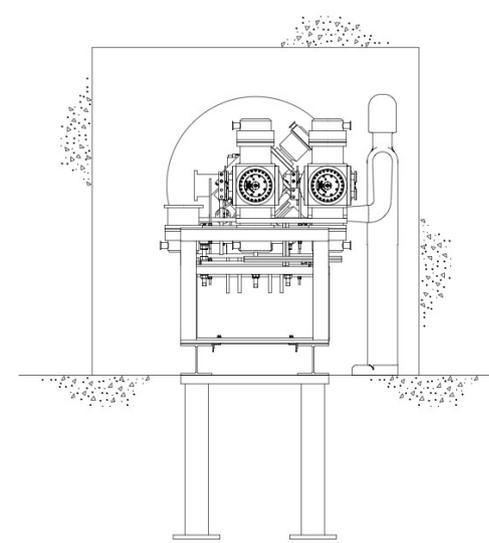
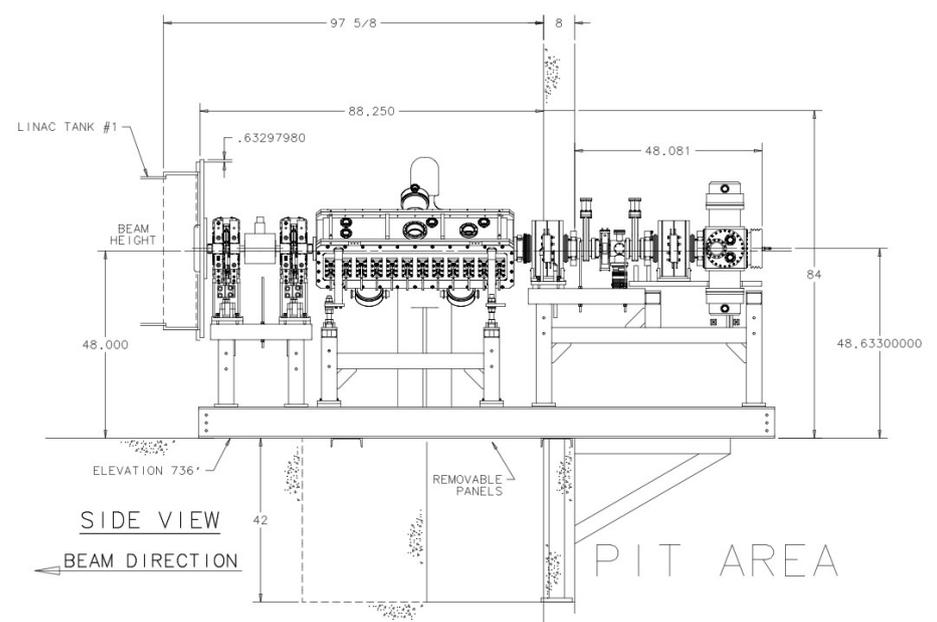
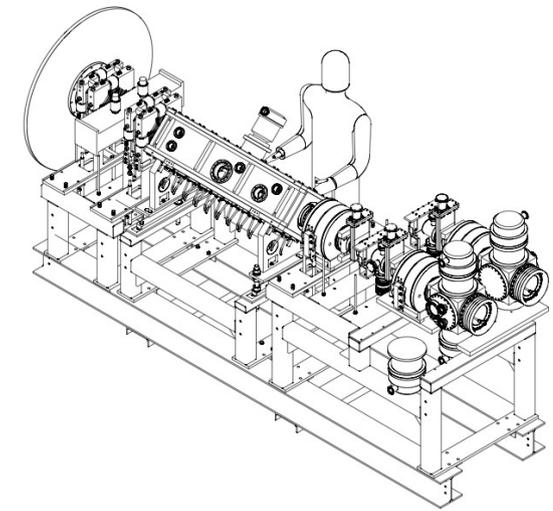
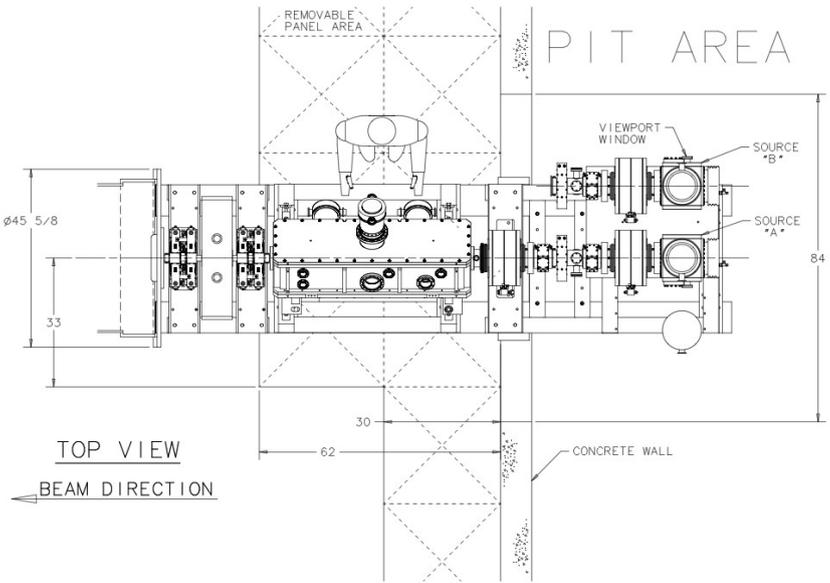
C.Y. Tan
03 Aug 2011

News

- Reminder: review 01 Sep!



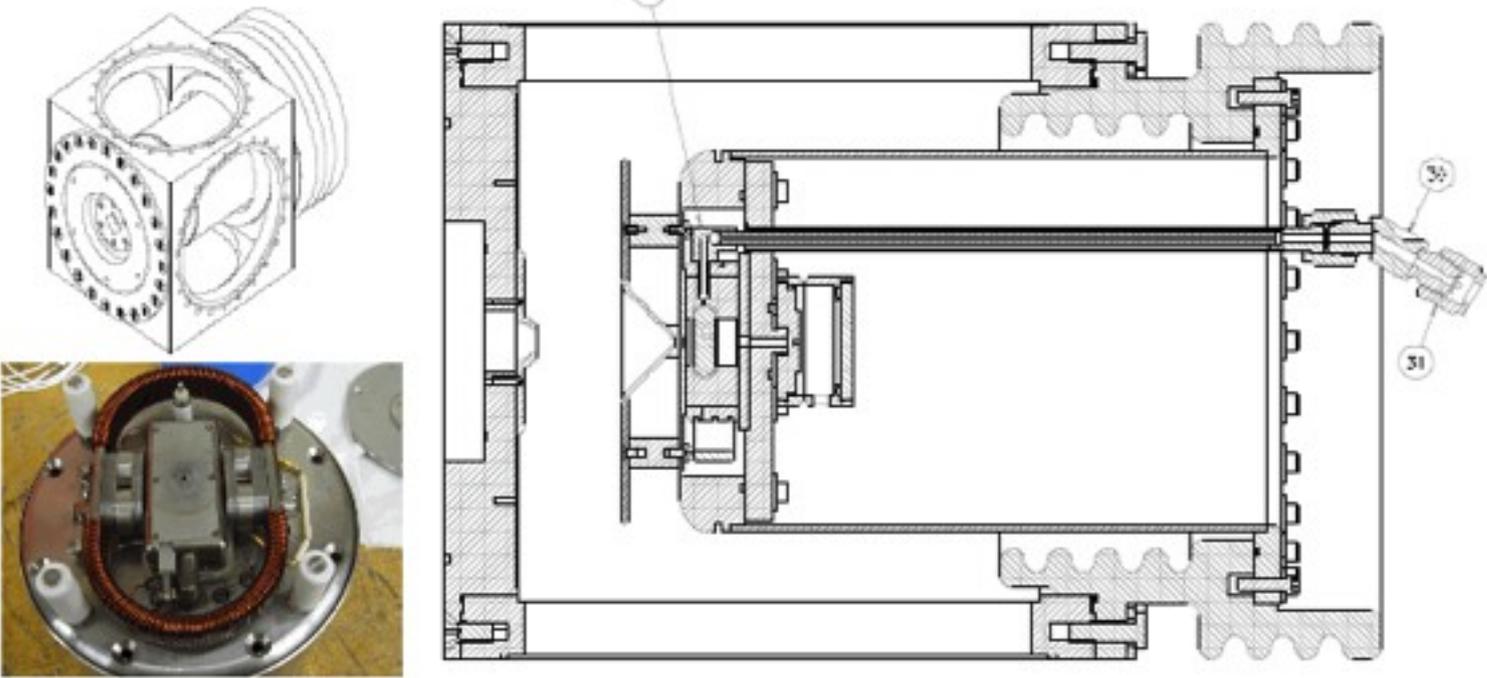
REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE



PREACCELERATOR
PRELIMINARY
LAYOUT
APRIL 27, 2011

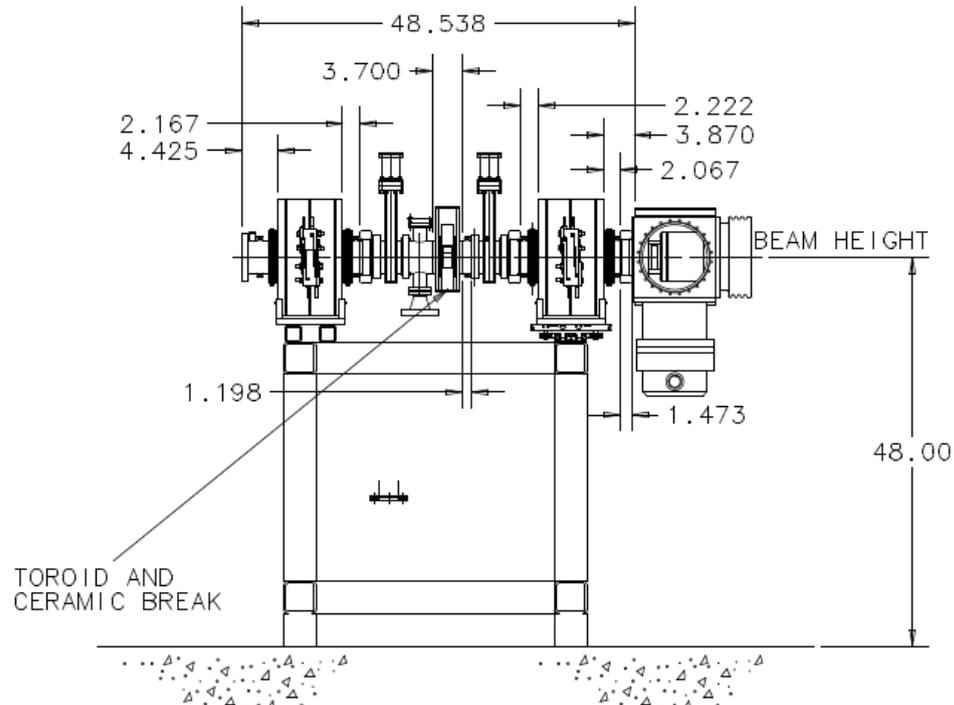
UNLESS OTHERWISE SPECIFIED		ORIGINATOR	
±	±	DRAWN	
±	±	CHECKED	
1. BREAK ALL SHARP EDGES MAX.		APPROVED	
2. DO NOT SCALE DRAWING.		USED ON	
3. DIMENSIONS BASED UPON ASME Y14.5M-1994		MATERIAL	
4. MKY. ALL UNCL. SURFACES			
5. DRAWING UNITS: U.S. INCH			
FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY			
SCALE	DRAWING NUMBER	SHEET	REV
		1 OF 1	
CREATED WITH :	GROUP :		

Source Status



Device	Status	Comments
Source #2	Extracting at 71mA	Short between anode and cathode. Being fixed.

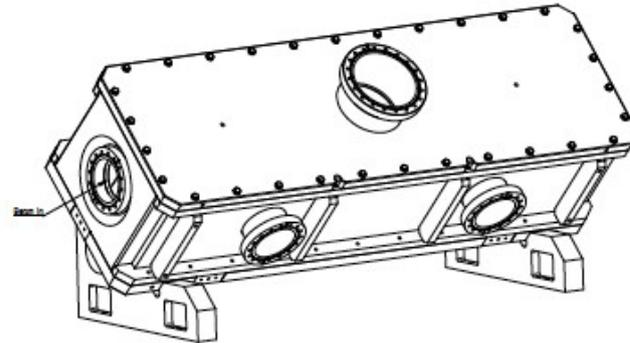
LEBT Status



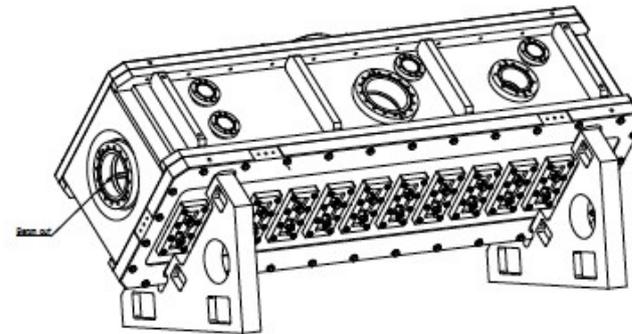
Device	Status	Comments
Solenoid PS	Ready to test solenoids	Safety review is done (29 Jun)
Solenoids	#4 wound	waiting for welding and potting (27 July)
LEBT drawings	Being drawn	Bellows ordered End of June to early July delivery.
Correctors	drawings OK'ed manufacturing should proceed	Parts should be ordered soon. Aug?
Solid state switches	Have quote	Requisition is in the system.
LEBT stand	Out for bid	Bids close on 01Aug

RFQ Status

- Shipped! (28 Jul 2011)
- Should arrive on Thu 04 Aug 2011.
- Start assembly of RFQ stand in test area.

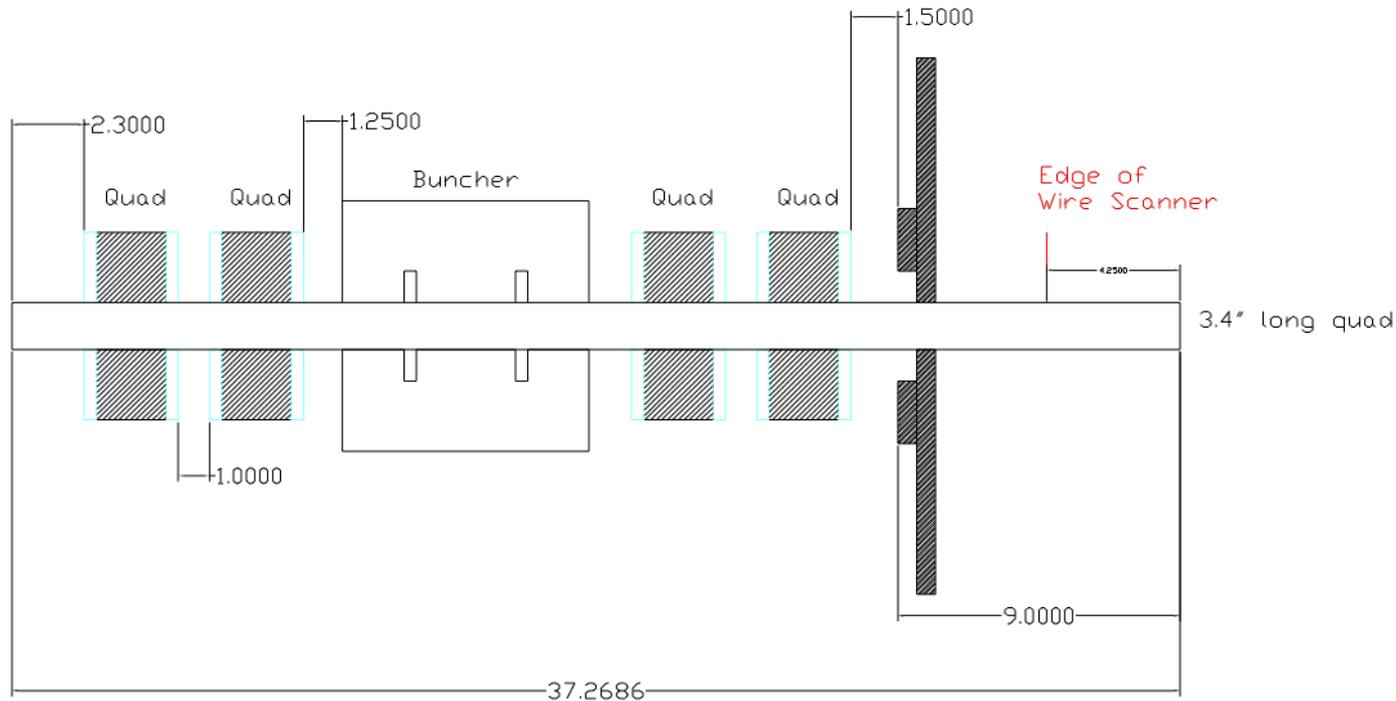


15



Device	Status	Comments
4816 PA	have mains control/power. turned on the bias and filaments ps's	problems with a low flow switch, cabinet door switch, and control/reset chassis.

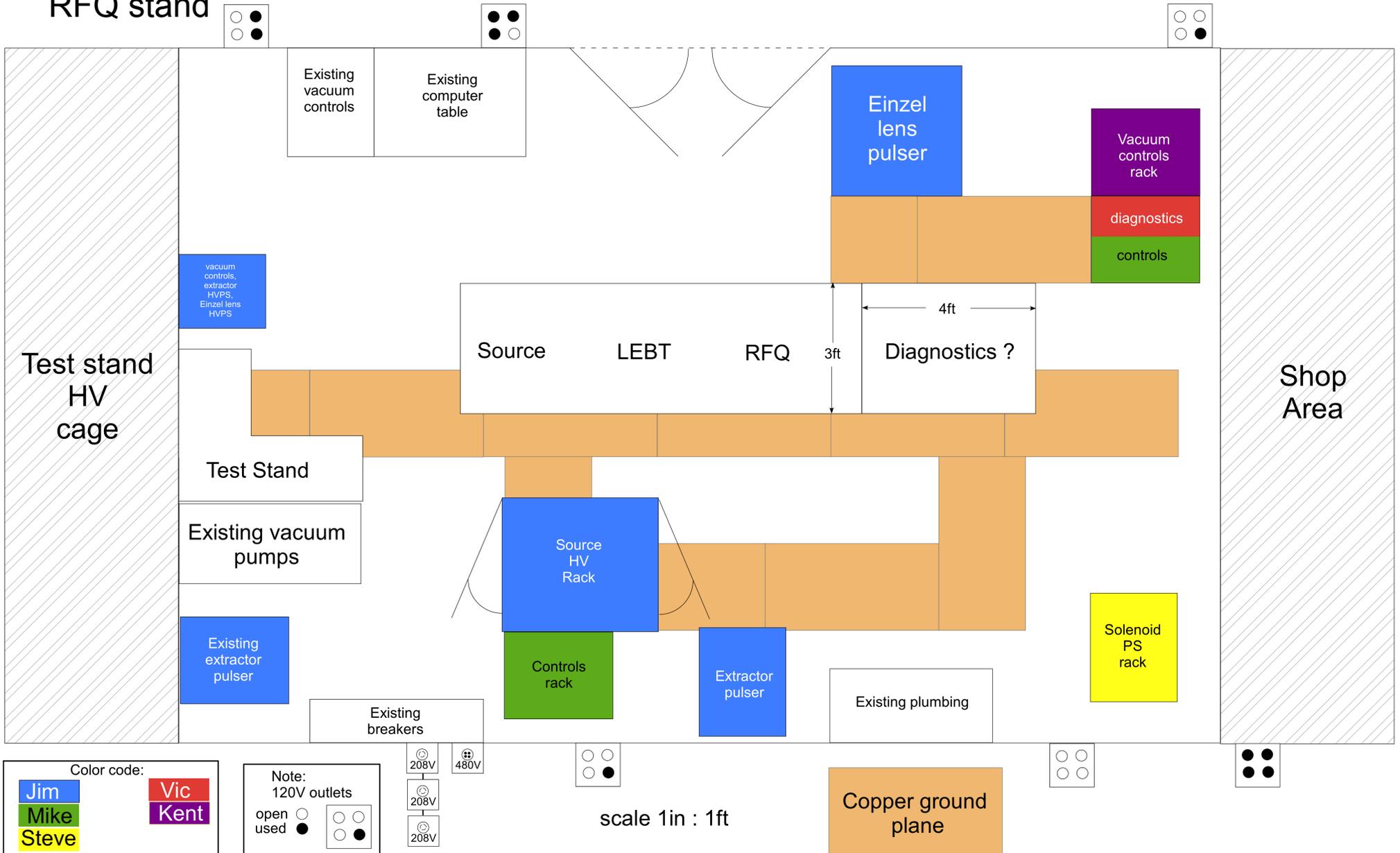
MEBT Status



Device	Status	Comments
Quads	Coil winding has started (17 May)	All quad coils are complete (28 Jun). Dipole coils for 2 magnets complete. Potting has started. Cores will be delivered in mid Aug. 1 st magnet in Oct. (No change?)
Buncher	Bead pull station ok	Measurements have started
Power for quads	Specs to follow	Quads being redone.
Power for buncher		Use present buncher supply in the line.

Start assembly of RFQ stand

Proposed test area layout



Test area, test stand and instrumentation

Device	Status	Comments
MW can	Vacuum leak! (03 Aug)	Mechanically done on 27 Jul
MW electronics		Done by 30 July. (20 Jul)
Instrumentation stand	Delayed by NUMI	
emittance probes can	In drafting	
New source PS	started installation (06 July)	
#2 source	Started assembly (20 July)	

Safety