

56 MHz Cryomodule

External Review 03/09/11

- Manpower Loaded Schedule
 - Present MSProject schedule only indicates when tasks and begin and when they must be complete.
 - Although Groups and personnel estimates are indicated it is not a true Manpower loaded schedule.
 - Input is required from all participating groups.
 - Recommendation to produce such a schedule would be appreciated.

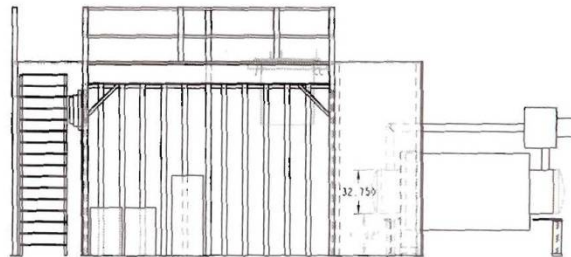
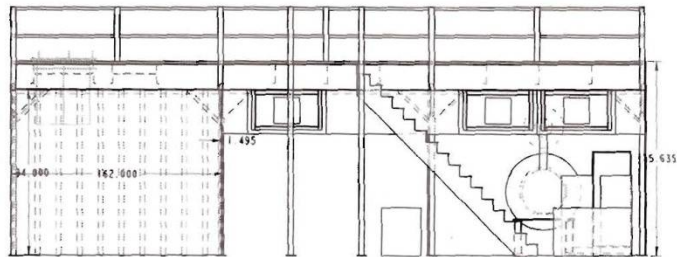
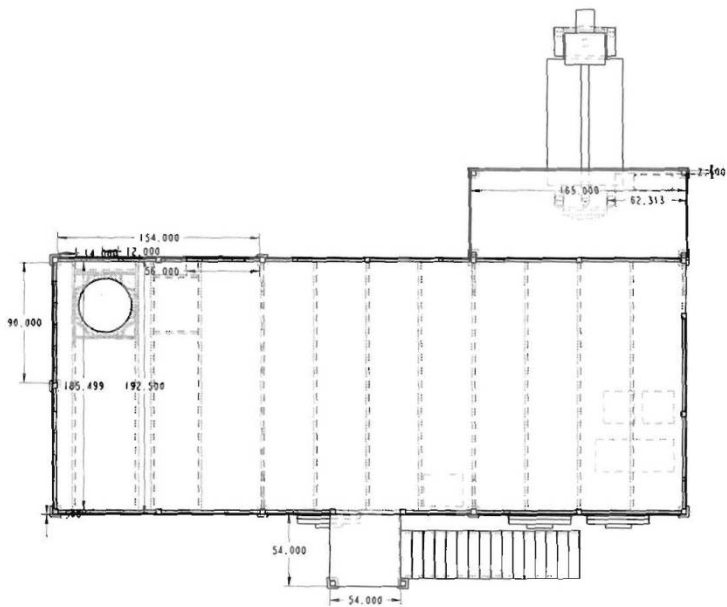
56 MHz Cryomodule Facilities Status

- Majority of testing (HOM, FPC, Tuner, etc.) RT and Cold (77K) will be executed in existing Tech Shop – BLG 905.
 - Previous testing done in this location:
 - 56 MHz Cold Model Testing
 - BNL-3 Cavity HOM testing (RT)
 - 5-Cell Tuner Testing Cold
- Vertical Test Facility
- Horizontal Cold Testing Area

BLG 912 Mezzanine Area
Class 100 Assembly / VTF Preparation

Procurement Package being prepared
Installation in late July

To be used for 56 MHz String Assembly



Vertical Test Facility

Determine location & configuration	84d	Wed 1/2/08	Wed 4/30/08
Specify dewar requirements	98d	Thu 5/1/08	Fri 9/19/08
Procurement & bid cycle	64d	Mon 9/22/08	Tue 12/23/08
Procure dewar with magnetic shielding	165d	Thu 1/15/09	Wed 9/9/09
Delivery of dewar to 912 location	0d	Wed 9/9/09	Wed 9/9/09
Construct VTF Tower & initiate utilities	60d	Mon 6/15/09	Wed 9/9/09
Connect utilities to dewar & facility	470d	Thu 10/22/09	Tue 9/13/11
Installation of stairs	21d	Fri 3/19/10	Fri 4/16/10
Electrical - Instrumentation	30d	Tue 8/2/11	Tue 9/13/11
Cryogenics - Vacuum designs complete	102d	Thu 10/22/09	Wed 3/24/10
Transfer lines ordered & received	337d	Thu 3/25/10	Fri 7/29/11
Transfer lines installed	31d	Mon 8/1/11	Tue 9/13/11
Cryo system complete	0d	Tue 9/13/11	Tue 9/13/11
Controls	30d	Tue 8/2/11	Tue 9/13/11
RF system connected & running	30d	Tue 8/2/11	Tue 9/13/11
Test systems - VTF ready for cavity qualification	10d	Wed 9/14/11	Tue 9/27/11

VTF Refrigerator



VTF Dewar Shielding



VTF Dewar



Cryomodule Horizontal Cold Test Near BLG 912 Mezzanine Area

Layout to Start September 2011

Construction Start January 2012

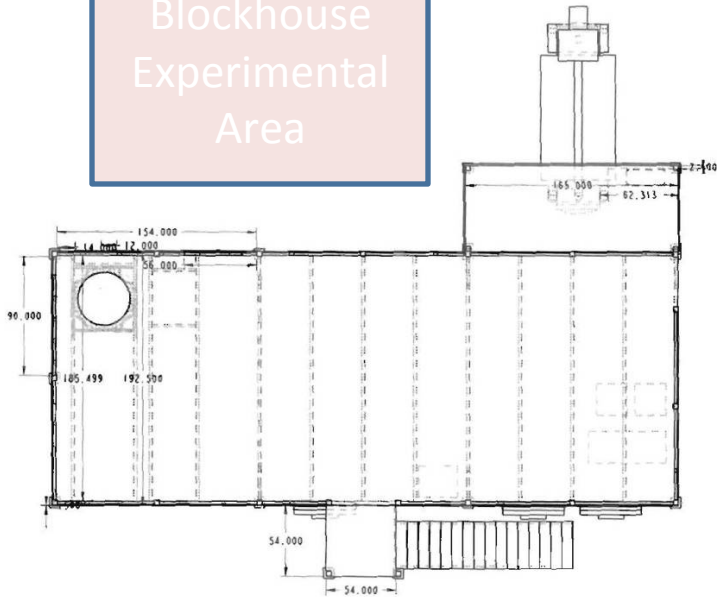
Ready to receive cavity August 2012

Vertical Test Facility Dewar & Shielding

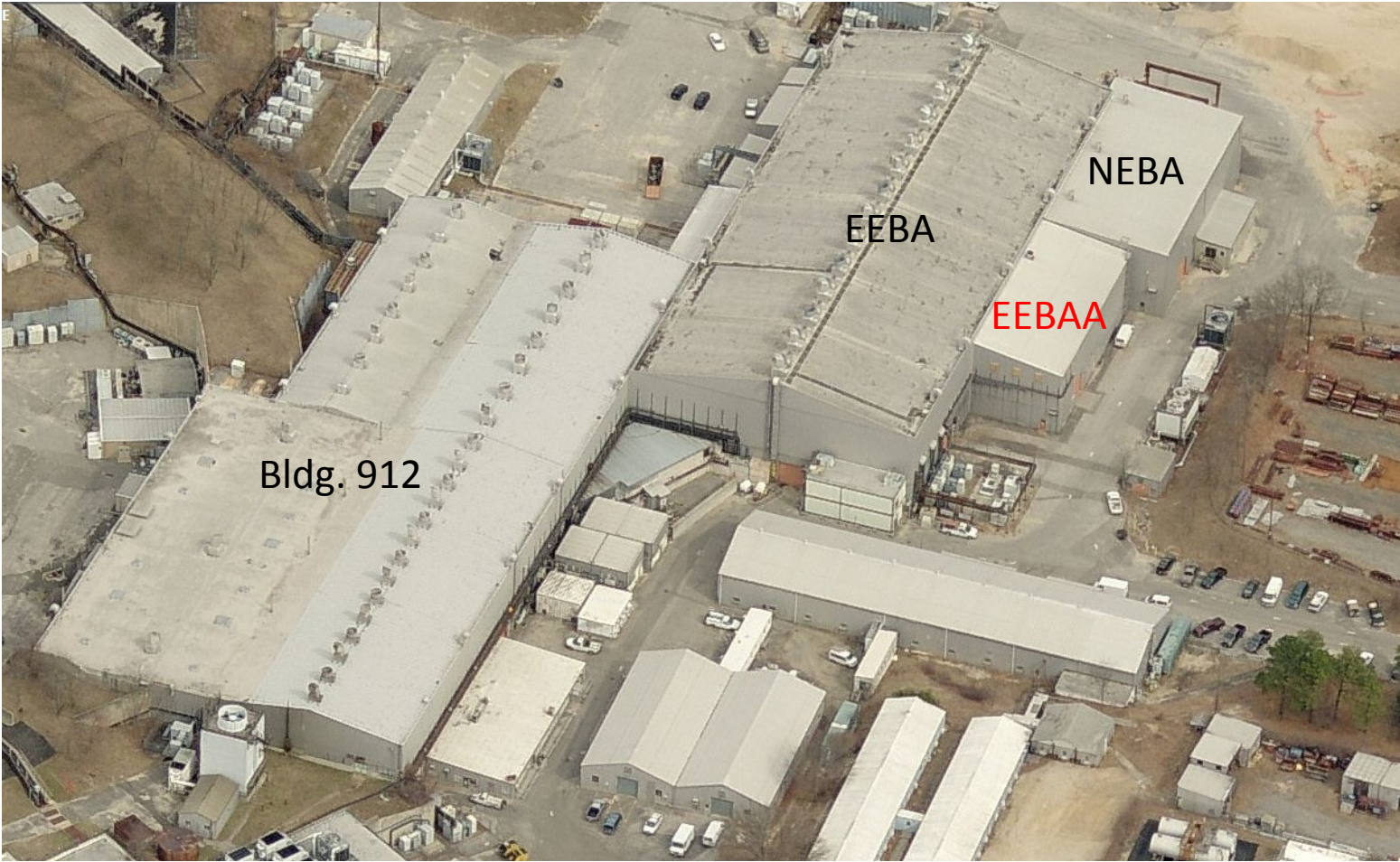
Refrigerator

Small Blockhouse Experimental Area

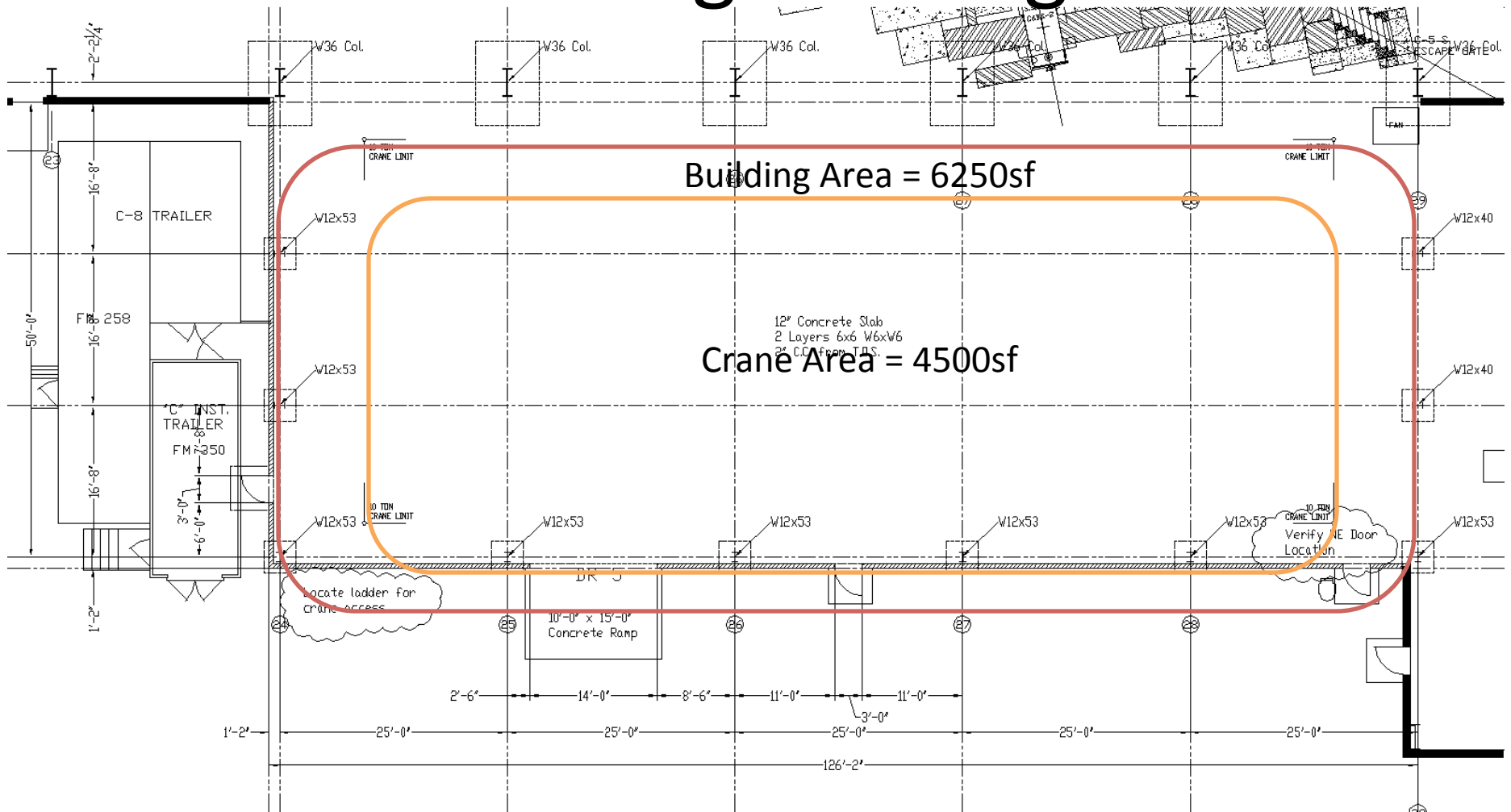
Proposed 56 MHz Cold Test Blockhouse



Future SCRF Technician Shop



Existing Building



Storage
1500sf

Experiment
2500sf

