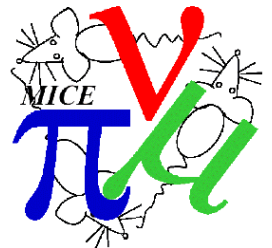




Project Managers Report

CM42 - RAL

Roy Preece
23rd June 2015

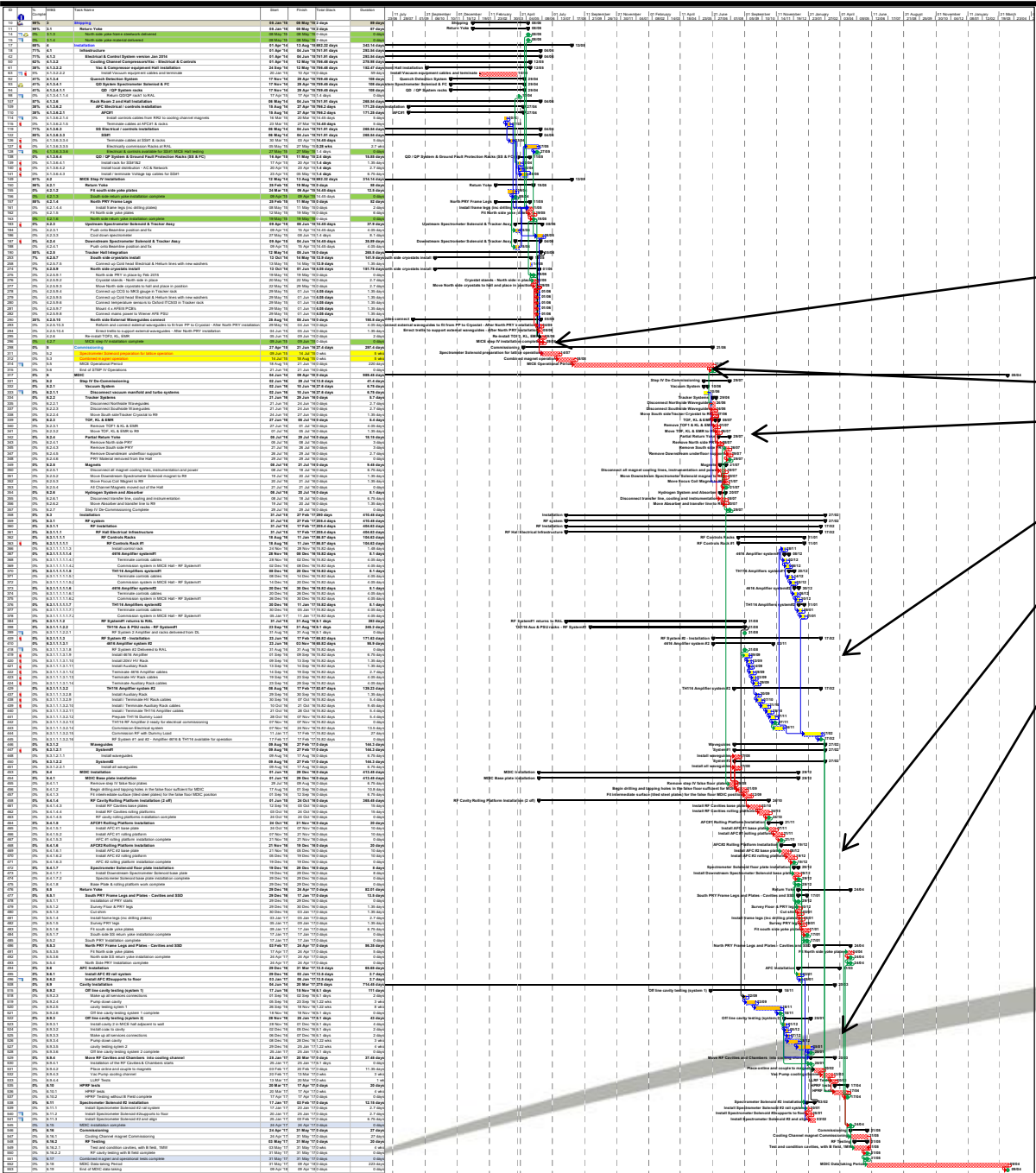




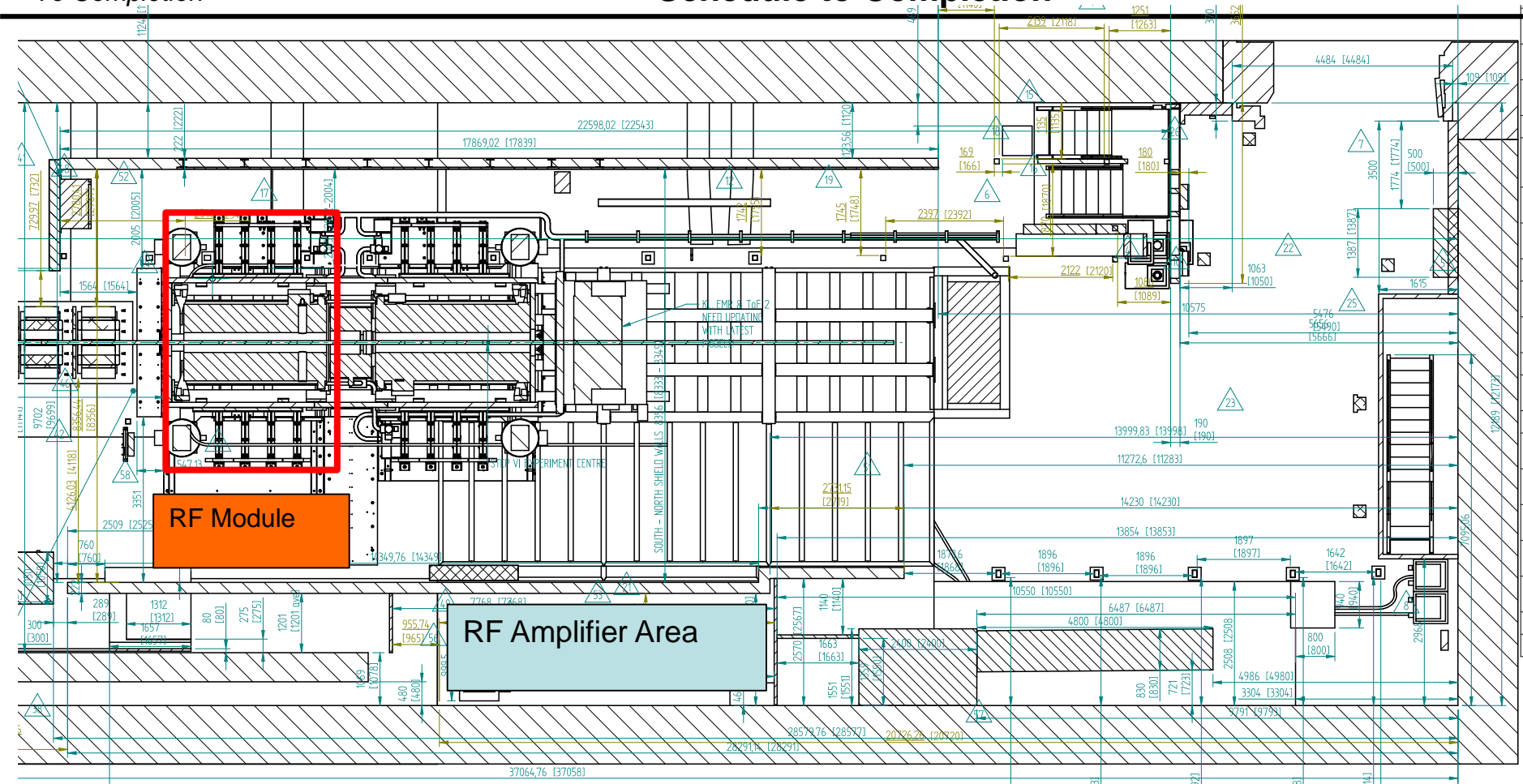
Content

- Future and Status
- Safety
- Construction / Commissioning / Operations
- R9 Lab space and Open day
- Office, Meeting POD and Remote control room

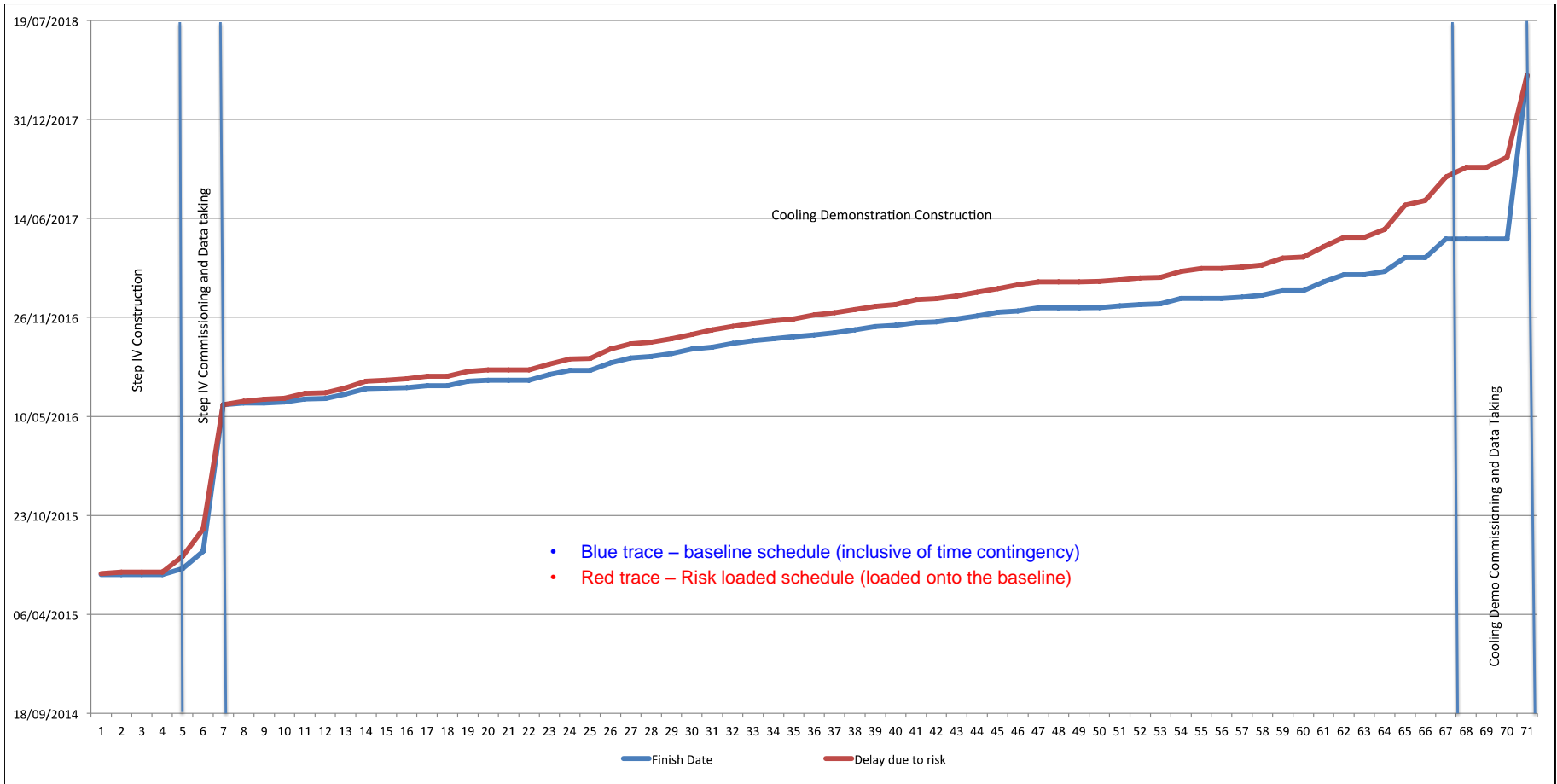




- Critical and Near Critical path items
 - Orange – <15 days total slack
 - Yellow - >15 days < 30 days total slack
 - Green are milestones
- Step IV Data Taking period starting 18th August 2015
- Hard end date of 1st June 2016
- Decommissioning Step IV
- RF System 2 Installation
- Rolling platforms and floor
- Cavity testing
- Parallel operations have been planned into the schedule
- ISIS beam off times will be utilised to advance work for the offline RF module testing – Installations behind the North wall and waveguide installations to test position.



- During re-configuration the Upstream Spectrometer Solenoid can stay in place. We are planning to keep the magnet to at least Nitrogen temperatures to remove the need to retrain, time and cost mitigation. Cooler compressors on the North Messanine extension may be possible.
- The PRY materials surrounding the Upstream Spectrometer Solenoid can also stay in place and will be re-used for the Cooling Demonstration.
- The intension is to have the RF Module test area next to the Solenoid.
- In this position work for re-configuration can continue. Installation of waveguide and other required equipment can start during ISIS down time during the Step IV running period.



Dates:-

Step IV Construction Complete – 25th June 2015

Step IV Commissioning Complete – 15th September 2015

Step IV Data taking complete – 1st June 2016

Cooling Demonstration Construction Complete – 31st March 2017

Cooling Demonstration Commissioning complete – 9th May 2017

End of Cooling Demonstration – 31st March 2018

1st June 2015 Update												
	Southside cavity materials delivered	Southside LHe turnkey installation complete	Northside cavity materials delivered	Compressor ready for cooling chamber tests	Backroom complete	Northside LHe turnkey installation complete	MICE cavity installation complete	Combined magnet operations tests complete	End of Step IV operations	Partial LHe turnkey installation complete	RF cavities delivered	Step IV commissioning complete
Baseline	16/03/15	01/04/15	28/04/15	29/01/15	02/02/15	14/05/15	02/06/15	11/08/15	01/06/16	10/05/16	18/05/16	22/07/16
Dec04	16/03/15	01/04/15	28/04/15	29/01/15	02/02/15	14/05/15	02/06/15	11/08/15	01/06/16	10/05/16	18/05/16	22/07/16
Jan05	16/03/15	01/04/15	28/04/15	13/02/15	25/02/15	14/05/15	02/06/15	11/08/15	01/06/16	10/05/16	18/05/16	22/07/16
Feb05	16/03/15	01/04/15	28/04/15	13/02/15	27/02/15	14/05/15	02/06/15	11/08/15	01/06/16	10/05/16	18/05/16	22/07/16
Mar05	30/03/15	09/04/15	08/05/15			19/05/15	09/06/15	18/08/15	01/06/16	12/04/16	16/06/16	08/07/16
Apr05		02/04/15	12/05/15			19/05/15	09/06/15	18/08/15	01/06/16	12/04/16	16/06/16	08/07/16
May05			13/05/15			23/05/15	25/06/15	15/09/15	01/06/16	12/04/16	16/06/16	08/07/16
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Apr07												
May07												

- Just 3 milestones left
 - Construction complete
 - Commissioning complete
 - End of Step IV data.
- Very close to construction complete
- LN2 and LHe have been ordered for delivery on Friday this week.
- Maintenance cleaning of the cooler heads will be complete this week
- Re-scheduling of cavity deliveries have brought back some time
- Effort to bring forward the delivery and installation of the RF amplification.
- Offline testing of the cavities



- Coordination between the phases of the project is required.
- There is currently a daily meeting to discuss the requirements for the following 24 hours
 - Construction work
 - Operations
 - Held in the ISIS user coffee area near to the main control room
- There will be a training day on Wednesday this week and there will be controlled access to the hall
 - The poterax door will be closed
 - Access to the hall will only be through the controlled access door
 - It would be good that people get used to entering the hall this way
 - Construction teams can still access the hall
- The target will be dipped at certain times of the day for training purposes
 - The hall will not be accessible at these times
 - The times that have been requested are 10:30-11:30 and 15:30-16:30



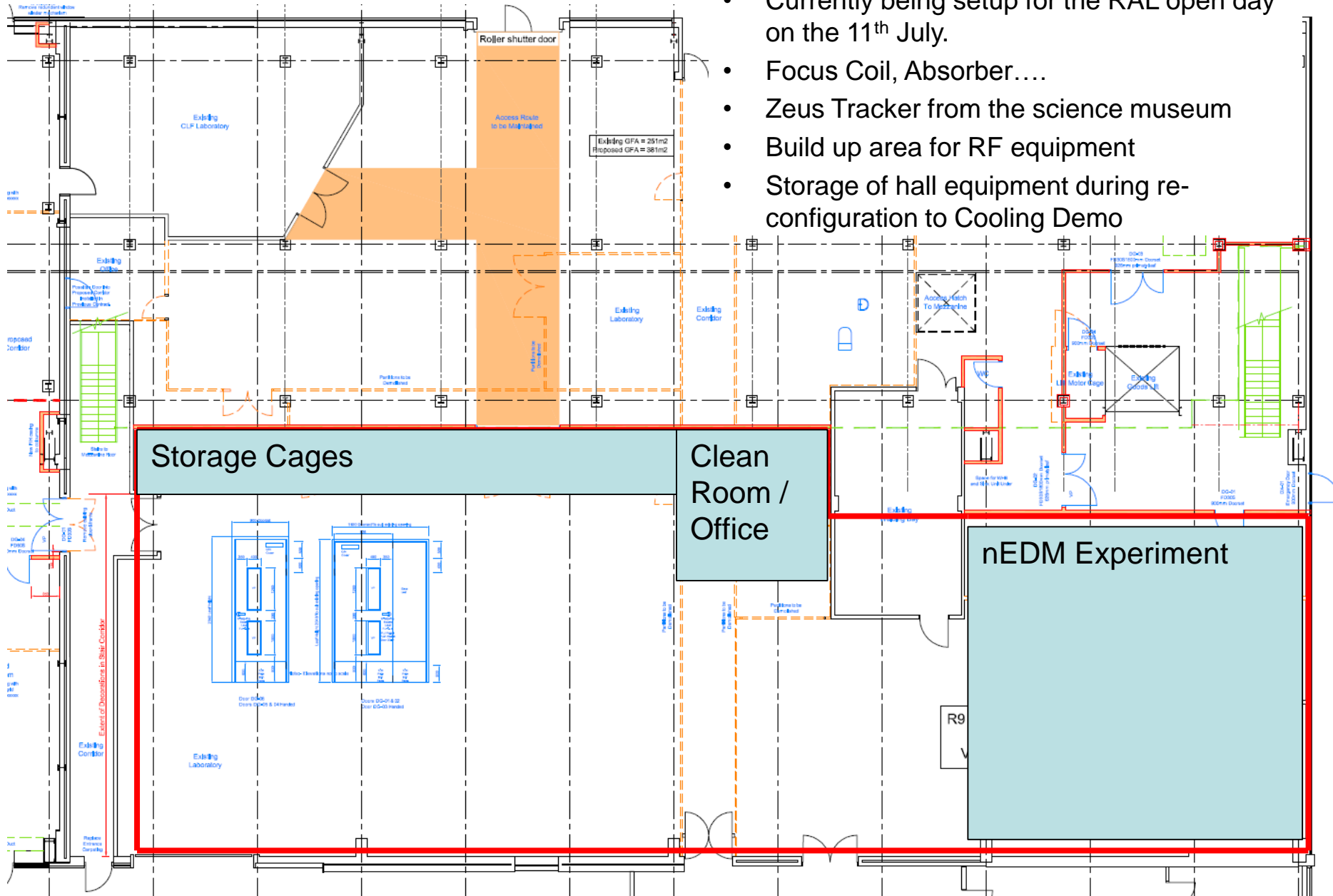
Safety

- Although the construction project for Step IV will finish shortly, hard hat and safety shoe policy will continue to be enforced – trip and fall hazards are by far the most likely accident cause
- Larger and more diverse shifter population, safety, training rules unchanged:
 - STFC safety induction
 - MICE Hall induction
 - ISIS user induction
- Generally, the constructional hazards are retired, but vigilance still required during controlled access and PPS searches
- As we are moving into a period where commissioning of equipment is starting
 - Assume that power is to equipment
 - Check with the system owner before attempting any changes to kit
 - Gauges and sensors should not be un-cabled without asking the system owner.
 - Never open rack doors without the permission of the system owner or electrical responsible person



Working Space

- Currently being setup for the RAL open day on the 11th July.
- Focus Coil, Absorber....
- Zeus Tracker from the science museum
- Build up area for RF equipment
- Storage of hall equipment during re-configuration to Cooling Demo



Office Space

- Two POD's are installed in the Atlas building
 - Meeting room with large screen and clickshare presentation hardware
 - Not a bookable resource
 - Is only for use by the MICE collaboration
 - Remote control room with 8 32" screens and MICE Net accessible
 - When not in use by MICE the room must be locked

