

Cable tray installation/modification and rack area modifications for RE4 Signal cables

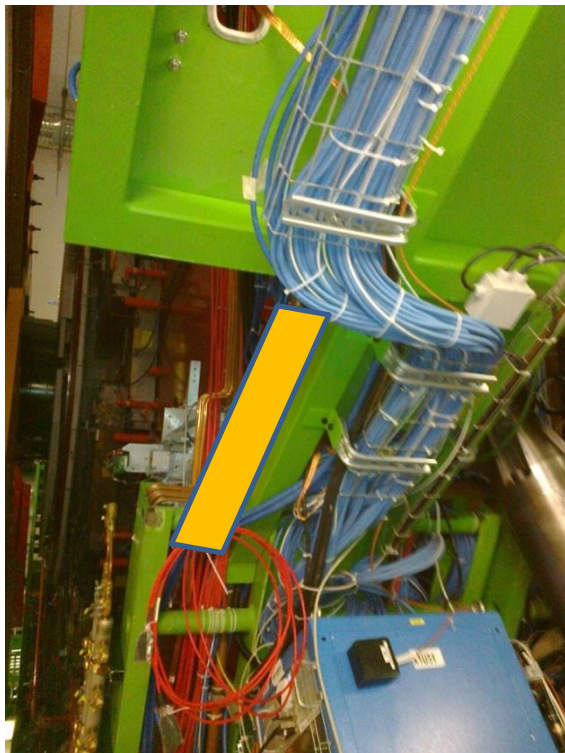
Ian Crotty 12, 19, 21, 23,28 Aug 2013

X2J52

Cable tray to be lowered or a wider one put in. The protection around the newly enlarged hole must be installed. Maf should have received the edge trim.



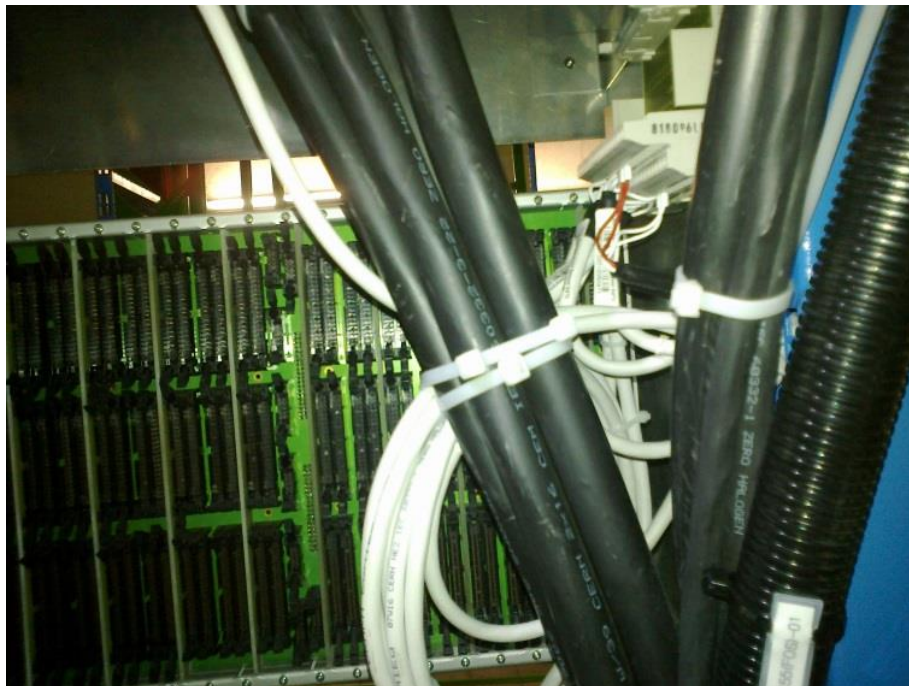
And an extension done across this gap. Approved by 904 Intergration.



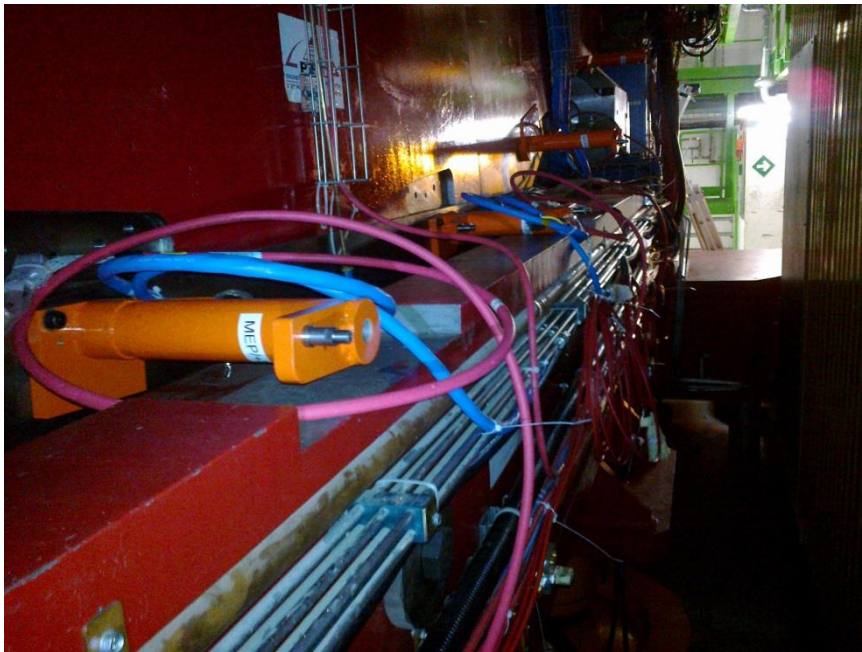
CSC power cables to be moved.



Lowering the crate will make the access to back plane more painful. This is the reason it was put high up, otherwise the crew will be on their knees in a 40cm gap.



Access to the lower yoke area from the floor.



Cable trays fitted here



X3J51

Trigger boxes, (Black and Alu) to be moved away from the backplane.



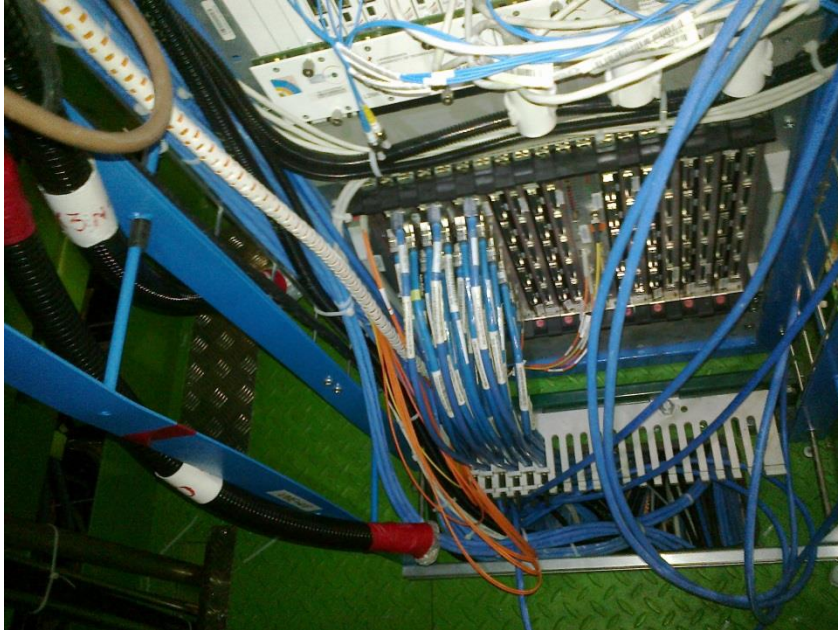
We will need a cable tray 200mm wide installed under the rack floor under the present one.

Complete trim around newly enlarged holes to be fitted .

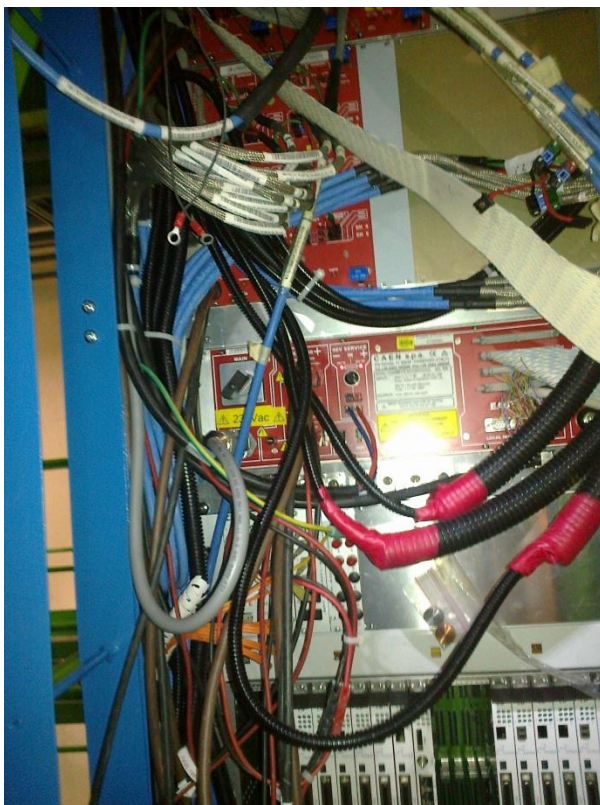


Cables on the front of the rack from Trigger LV will have to be moved to the side of the floor access

Hole AND will not cross the cable tray. One solution is to remove the cables so that the CSC can do the cabling to the entire width of their rack and then replace the cables under the rack, OR more easily over the top of the rack.



There are fibres that will also have to be moved to allow CSC cabling. Cabling shown below will be tidied.



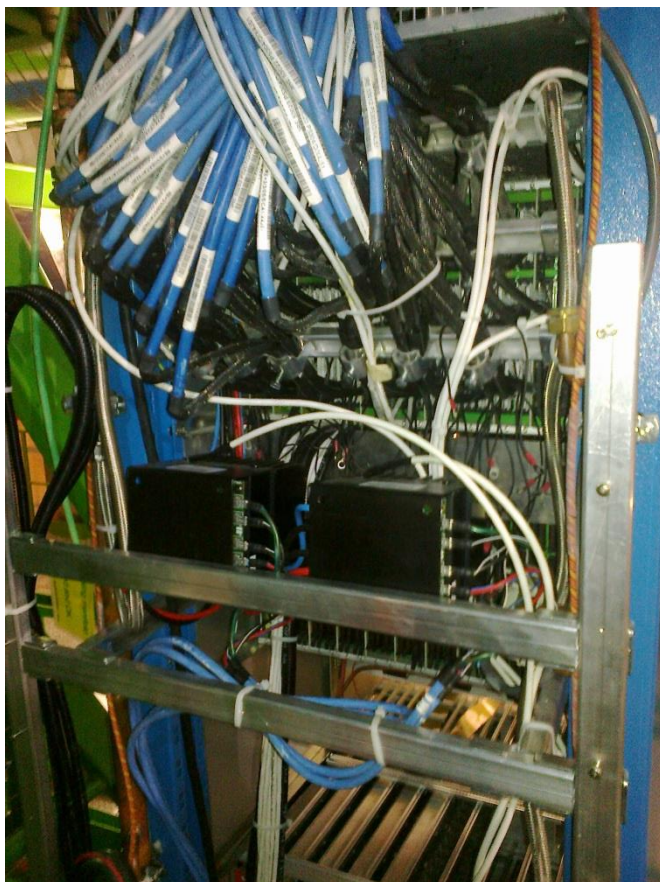
X4J51

An additional cable tray installed under the present one BUT above the CSC aluminium junction boxes.

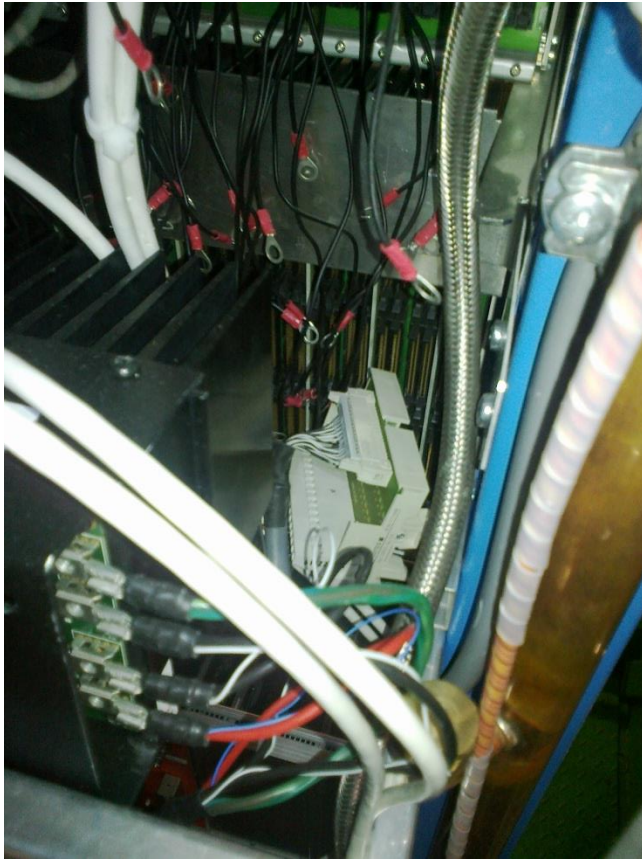


In addition the black boxes mounted at the rear of the rack block access to the LBB back plane.

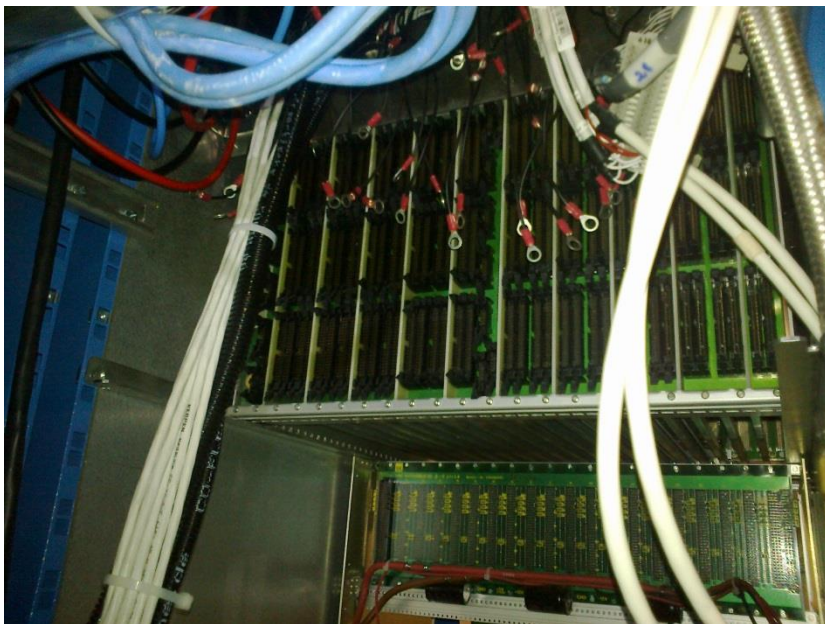
They must be removed . If possible they can go back after the signal cable installation.



And a junction box.



Perhaps this cable on the left should be moved aside.



Cables going through the rack should not be taken as an acceptable path. Instead they should be taken above or below the rack as circumstances dictate. See below.



X2A52

An additional cable tray to be installed directly on top of the rack or 10 cm above but UNDER the square section green beam, all the way across towards the beam above the copper gas piping.

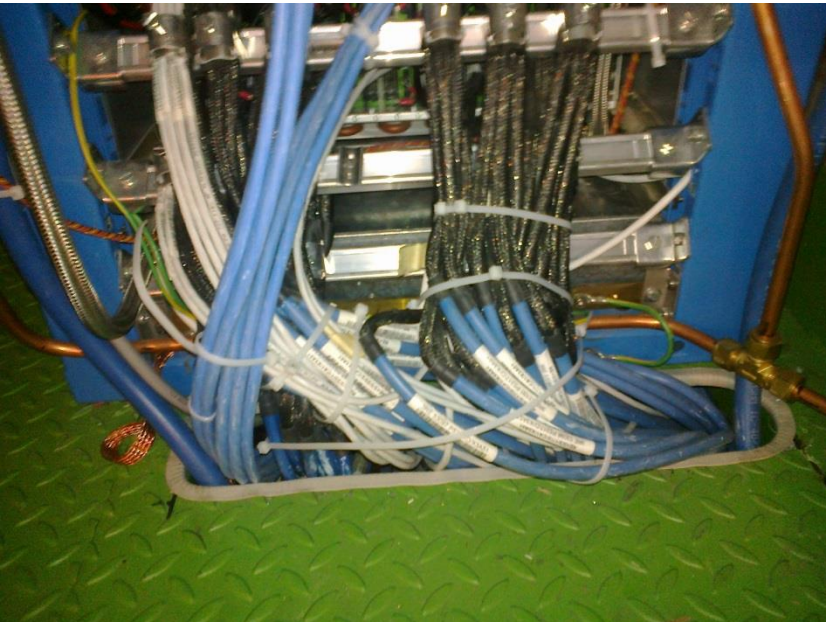




X3A51



The hole in the floor is now almost twice as large. Trim must be completed.



Here we need a new cable tray just under this one BUT starting from the back of the rack. This will allow the big red CSC cables to be cabled correctly. See 2<sup>nd</sup> photo.

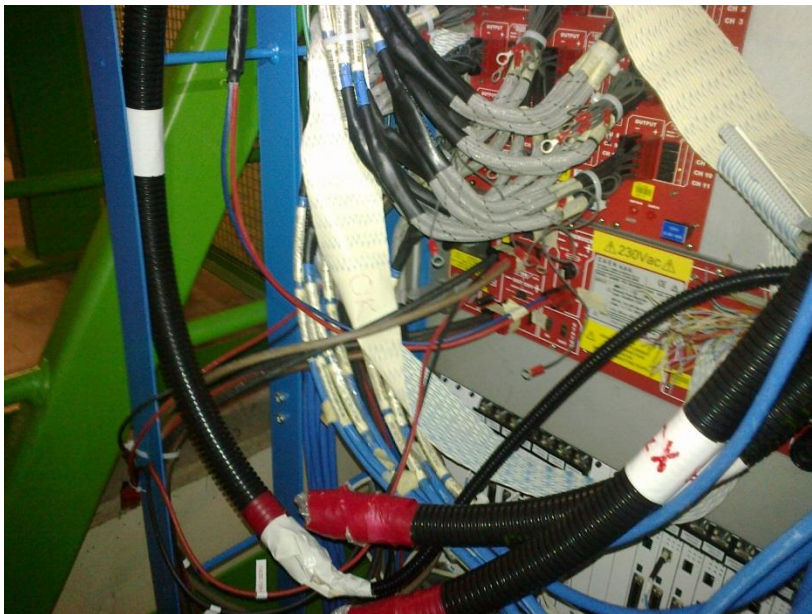


This Trigger box needs to go somewhere else.

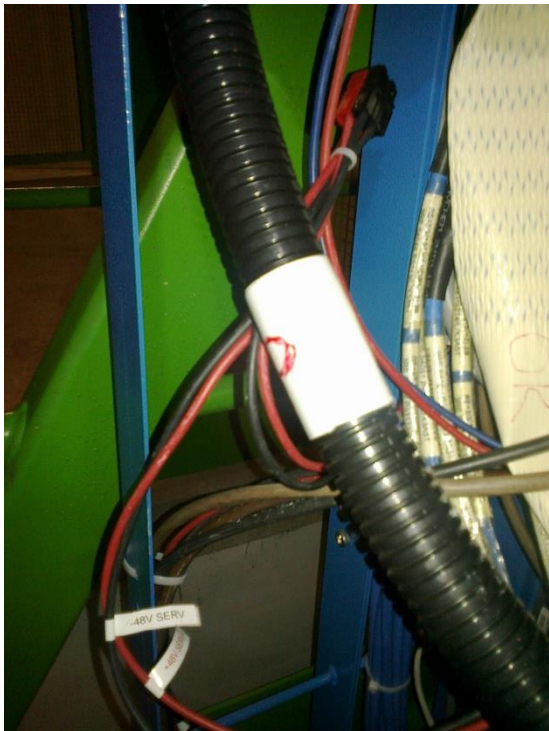


The cabling in this rack must be cleared up, it seems to primarily concern the cables for the trigger.

Disconnected control cable (50c flat Cable)



and unused 48V service power.



Black power cable in front of CSC crates.



X4A51

An additional tray will be installed under the present one BUT above the Aluminium CSC junction boxes. Identical to the Near X4J51.



The cabling at the top of the rack is poorly done and now will limit access to the additional RE4 cabling tray. Behind the panel shown below the black boxes have to go.



The -Z RE4

X2V52

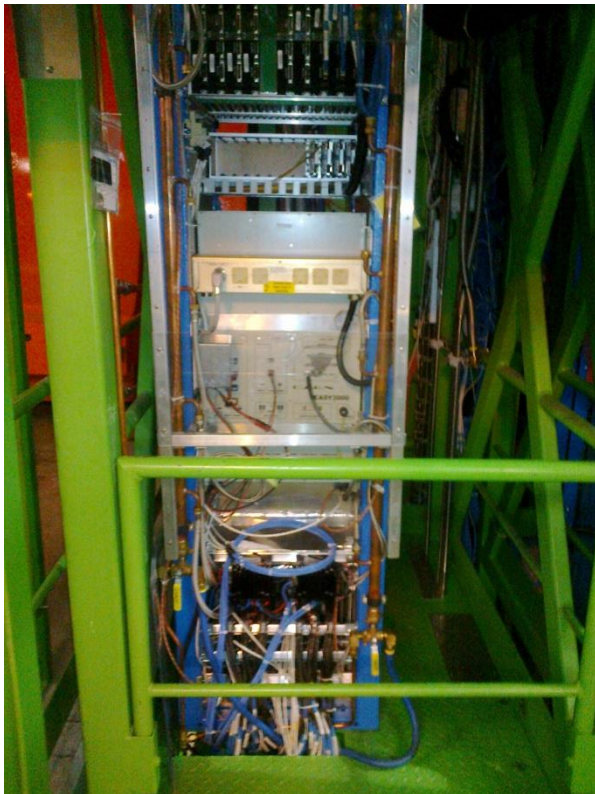
X3V51

X4V51

X2S52

X3S51

Here the holes are now larger 12 August 2013.



This cable tray needs modifying as it is collapsing. A new one in addition is required.



X4S51

The first sector fitted with dummy patch panels for the cabling of the Signal and finalising of the HV cables.

