**Minutes of Nov 11 2019 ArgonCube2x2 Installation Meeting**

 Attendee: John,Jim,Gary,Sai,Angela, Kathrine,Steve,Min Jeong and Ting

 Status of action task:

* John is still working on HA for task of removing magnetic coil
* Steve to work with Clarence on HA for Minerva electronics disassembly when he comes back from Japan
* Ting had a meeting with Steve Brice together with Minerva spokes. Minerva target survey task will wait until we have go-ahead order on decommissioning

 Cryogenics and electronics layout discussion:

* Four racks to be relocated under the catwalk, at the spot close to 2x2 vessel
  + They should be behind the cable tray unit-struct posts
  + the door (narrower edge) should face east the 2x2 vessel
  + The gap between them in the north-south should be kept minimum
* Remaining four racks on top of catwalk should be moved closer to 2x2 vessel
  + They should also behind the cable tray uni-struct posts
* Gary to place cryo condenser to be in the spot of top of catwalk north of 2x2 platform gate, in  between 2x2 platform guard rail and uni-struct post of cable tray
  + Condenser is light weight and can be attached to platform guard rail or some uni-struct posts
* Cryocoolers to be place under the catwalk, north (downstream) of 2x2 vessel
* Chiller to be place further downstream of cryocoolers
* Downstream has open spaces for LAr dewar, filter skid, gas analyzer
  + Kathrine worries about height of filter skid if we take the PC4 recycled one
    - height of catwalk floor is about 9' (~109" from 3d model measured by Gary)
    - There also open spaces around downstream overhead bridge
    - We can also use open space directly behind downstream minerva modules reserved for high press gas TPC
* The network and ACNET racks are in between west catwalk stair and power panels at upstream end
  + Gary to put two racks there
* There should be 4 transforms. We only have three in the current model
  + Gary to add the fourth one and label it for argonCube2x2 low noise AC transformer (Linda Bagby design similar to PAB ICEBERG)
* Gary to add wire-way conduits and cable trays to the building model
* On the east side
  + LCW to be re-used by MAGIS. We should remove them from the 3d model
  + We should model helium venting pipe at least the 4"  portion
  + Minerva platform needs to be totally removed
  + Support structures for MINOS power supply at the spot close to MINOS catwalk access ladder should also be removed
  + 2x2 cryogenic venting pipe and ODH exhaust fan extension are to be on east side

 Before we start decommissioning, we should go down to the hall and mark the equipment we want to keep

 Steve suggest we have a planning meeting with MAGIS and neutrino division management. We will talk to Brice and Plunkett about this

 Our next two scheduled meeting time dates have conflicts with Thanksgiving holiday travel and ArgonCube collaboration meeting at Bern. I will find an alternative slot in early December for a meeting.