



**Notes:**

**General:** The scheme is to place the controls hardware and computer work area off to the side of the enclosure. Both exits are accessible from this work area. The purity monitor rack mount hardware will likely be mounted on top of the tank platform.

**CD RR & UPS:** Computing division requested a relay rack with covers for the network switch for PC4. The rack should be located by the cable tray. The UPS will sit next to the computing relay rack.

**PLC cabinets:** These two cabinets should be located by the cable tray and it is convenient to have the PLC near the controls PC for troubleshooting. These cabinets are at D0 and ready to be moved into PC4. Once in PC4 they need to be anchored to the floor because their aspect ratio makes them prone to tipping over.

**PLC RR:** A relay rack to hold any components that don't fit into the PLC cabinets.

**3 desks from surplus:** The controls computer will occupy one desk and is ready to be moved into PC4.

**Proposed cable tray:** This tray would carry Ethernet to the desks and control signals from the tank to the PLC. AC distribution to the PLC and desks could be run on the outside of this tray. The tray will be at an elevation that allows it to be easily walked under.

**Cryogenic purification footprint:** The filter vessels will be downstream of the tank.

**Future cable tray:** It may make sense to run a cable tray along the cryogenic piping.

**Existing cable tray:** This cable tray runs long the enclosure wall and will carry the network signals to the outside. CD has a network cable ready to hook to the switch and wifi is active.

**Tank heater box:** Interface between PLC DC control signals and tank heater AC power. Box is ready at D0.

**Storage cabinets:** Two pad lockable storage cabinets.

Sketching scale: 162" Real = 1.4" Word, 116x