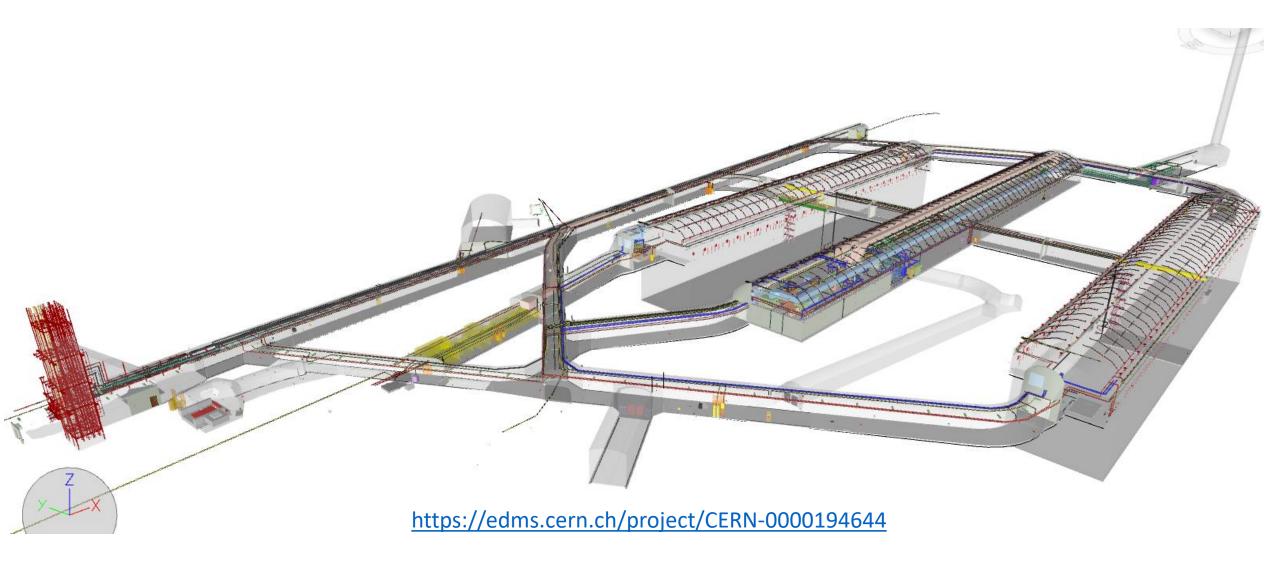
FS Facility Network

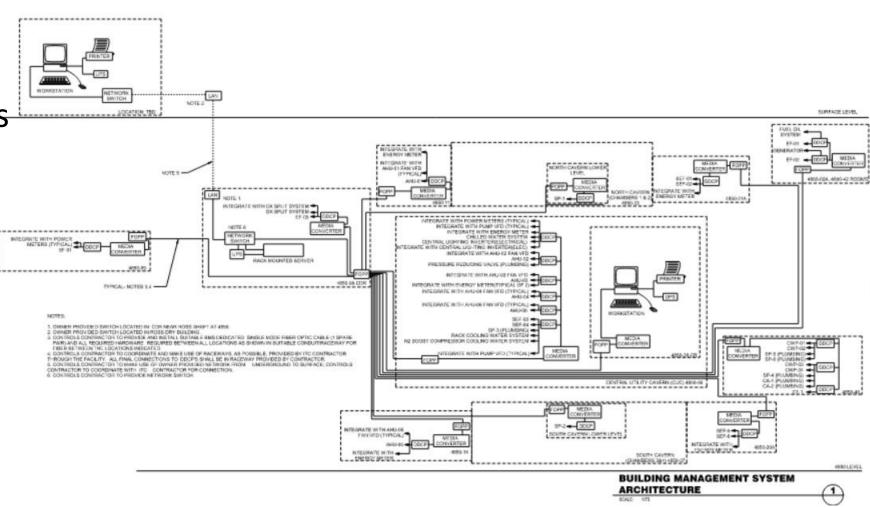
J Fowler

Current delivered caverns and infrastructure

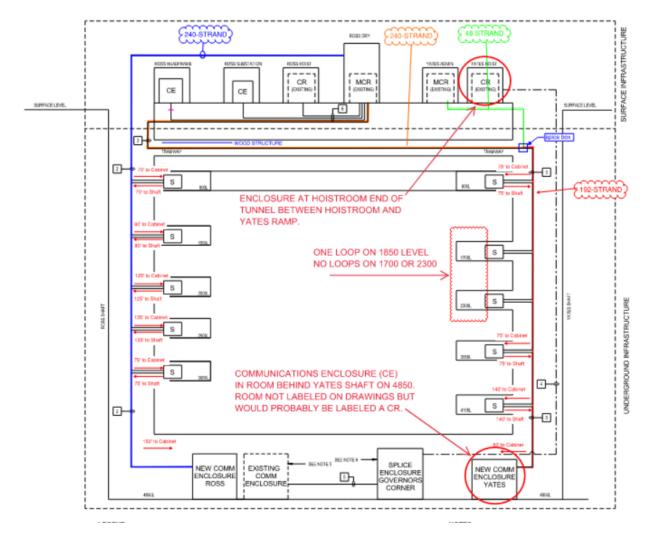


FS Facility network

- The FS network is mainly for electrical and mechanical controls of the varioussystems
- Will also be linked to FLS
- Specifications are available, but the specific equipment will not be fully understood until the contract is in place



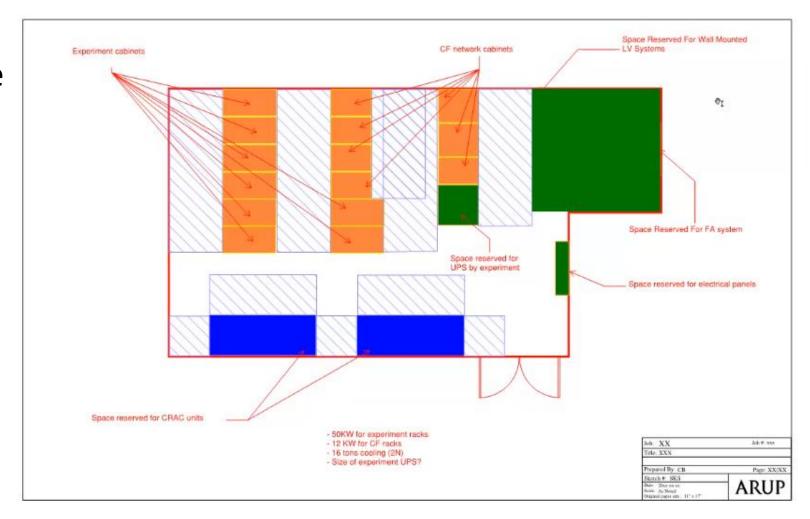
Fibers provided



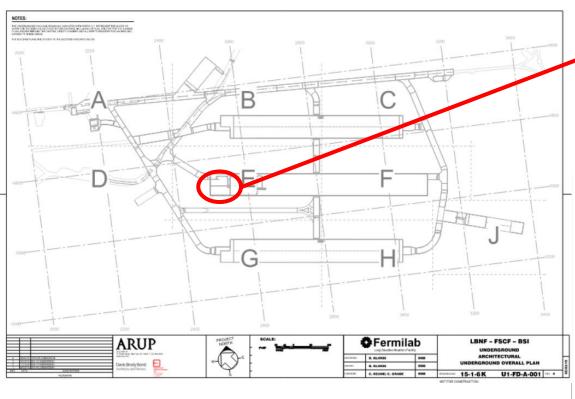
CABLING SCHEDULE			
TAG #	CABLE NAME	UL RATING	CABLE TYPE
01	PRIMARY EXISTING LBNF FIBER OPTIC BACKBONE		(1) 192-STRANDS LSZH ARMORED RISER RATED SM FO CABLE.
02	SECONDARY EXISTING LBMF FIBER OPTIC BACKBONE		(1) 192-STRANDS LSZH ARMORED RISER RATED SM FO CABLE.
11	SM BACKBONE (FOR STRUCTURED CABLING SYSTEM) BETWEEN EXISTING COMM ENCLOSURES AT ROSS AND YATES SIDES AND COR	CMP (FT6)	(1) 192-STRANDS LSZH ARMORED RISER RATED SM FO CABLE.
12	SM BACKBONE (FOR STRUCTURED CABLING SYSTEM) EXTENSION BETWEEN CDR AND DAQ ROOM	CMP (FT6)	(2) 96-STRANDS LSZH SM FO CABLES
13	SM BACKBONE (FOR STRUCTURED CABLING SYSTEM) EXTENSION BETWEEN CDR AND TELECOMMUNICATIONS ENCLOSURES	CMP (FT6)	(1) 12-STRANDS LSZH SM FO BACKBONE
31	HORIZONTAL CABLING (FOR STRUCTURED CABLING SYSTEM)		CATEGORY 6A CABLE, NUMBER OF CABLESUACKS AS INDICATED BY OUTLET ON PLAN
32	TWO WAY STATION DEVICES CABLING	CMP	2-PAIR UTP AWG 16 CABLES
41	SM PATCH CORD	CMP	2-STRAND SM FIBER CORD PER REQUIRED ACTIVE CONNECTION
42	COPPER PATCH CORD	CMP	CATEGORY 6A, 4-UTP CORD PER REQUIRED ACTIVE CONNECTIO

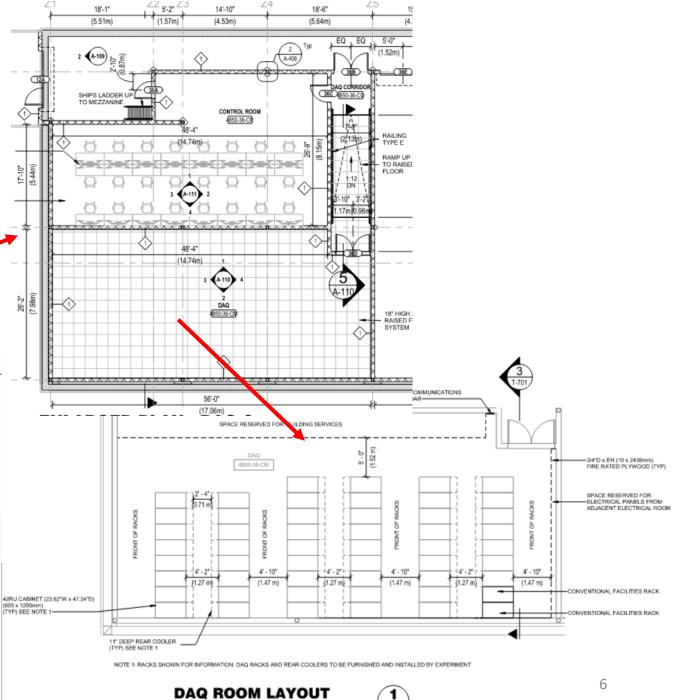
Surface Main Communication Room

- There have been concerns regarding the space in the surface MCR in the Ross Dry Basement
- Some space has been added and the equipment rearranged



Current DAQ in CUC



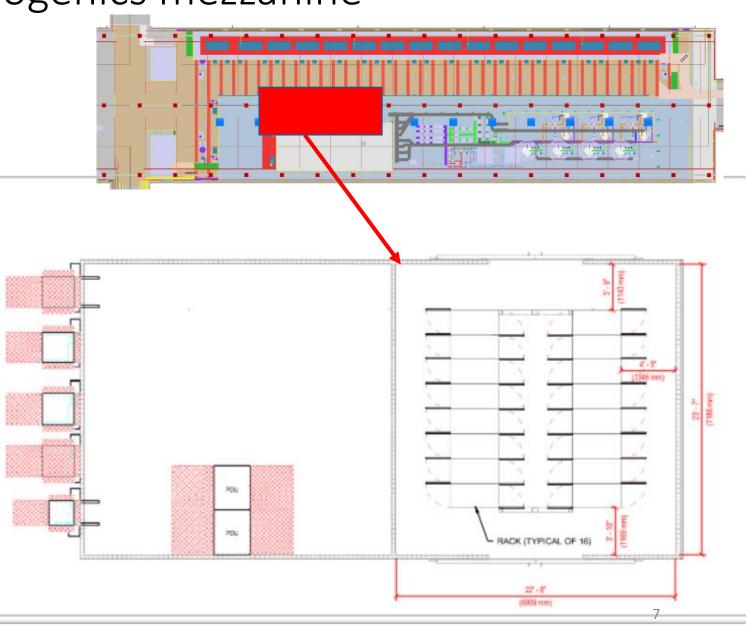


New DAQ location on cryogenics mezzanine

 DAQ racks will be reallocated to the barracks on the cryogenic mezzanine for each detector

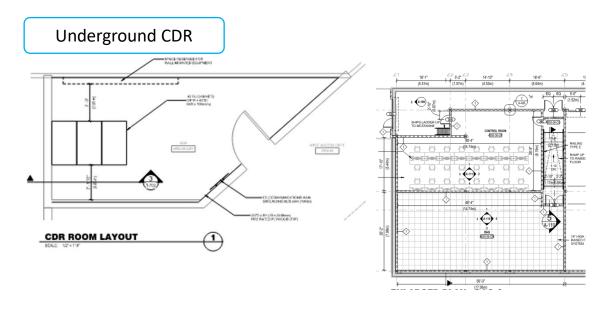
 Electrical and mechanical services (cooling) need to be redistributed to the detector caverns

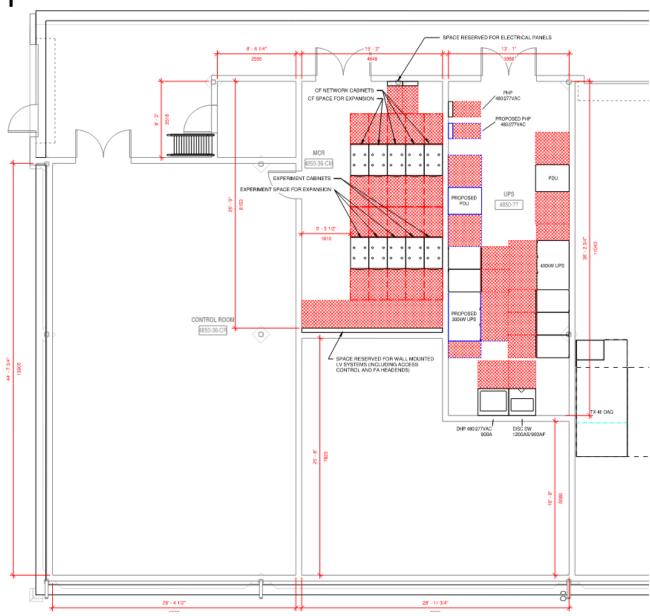
 Fiber counts need to be updated along with cable trays



Redesign of CUC DUNE space

- Centralization of all networking equipment into the CUC space
- Unifies facility networking with experiment networking equipment
- Separate room for UPS for DAQ





Back ups

Approximate footprint of rearranged DUNE space in CUC

