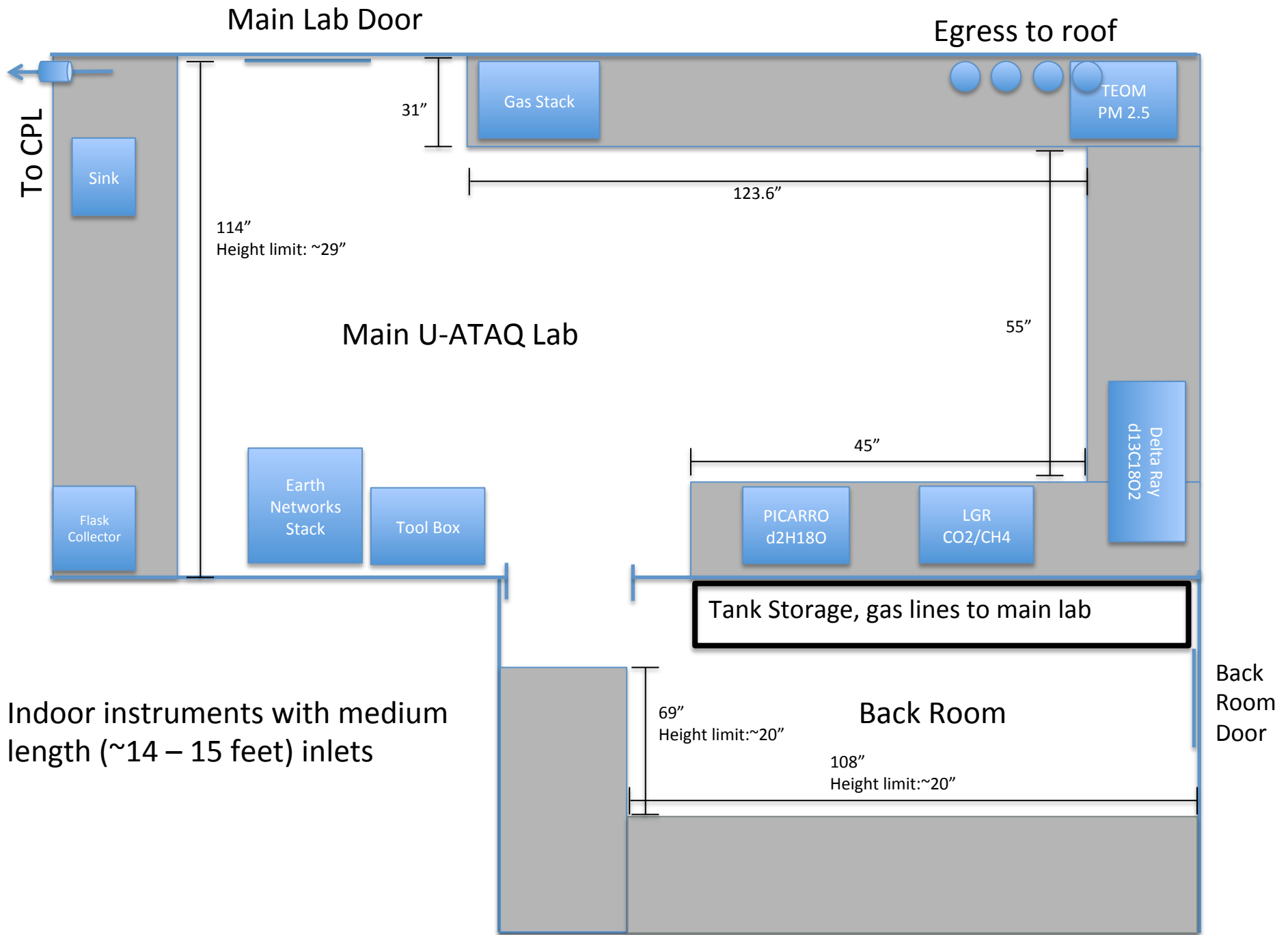


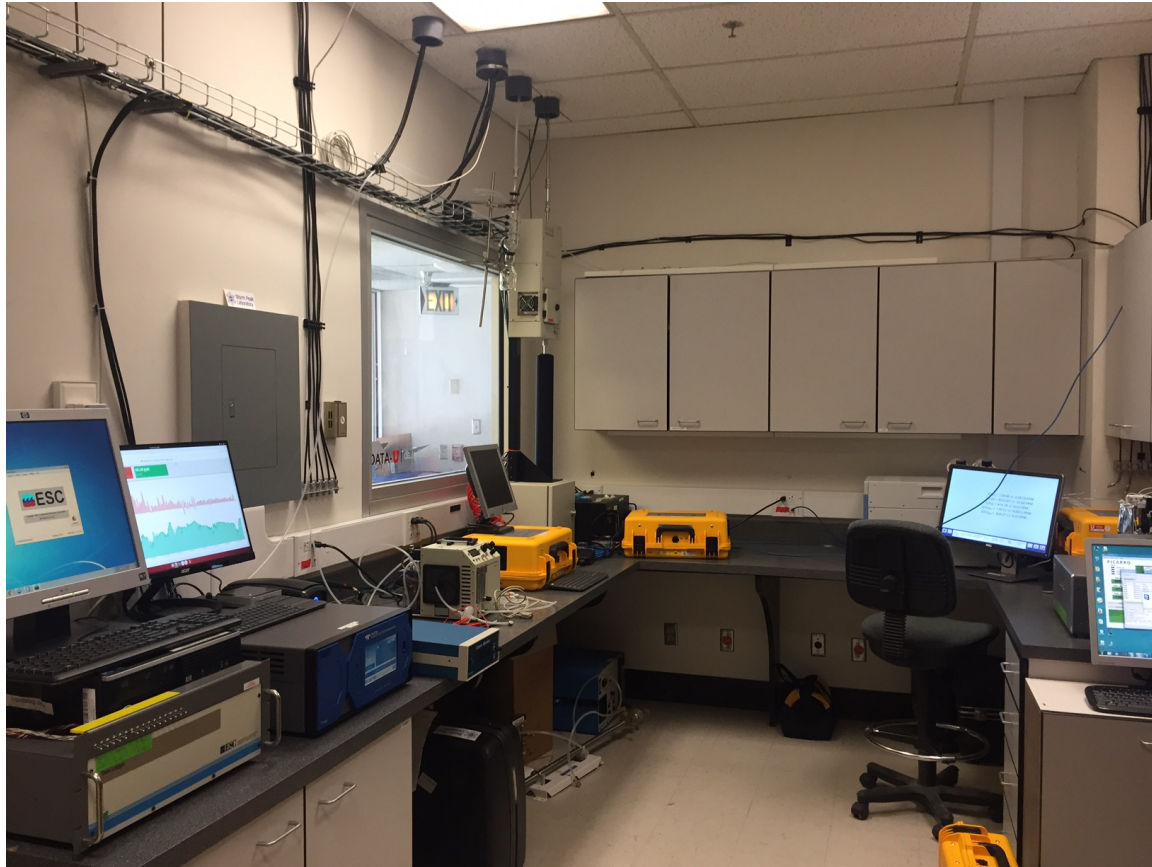
U of U rooftop site



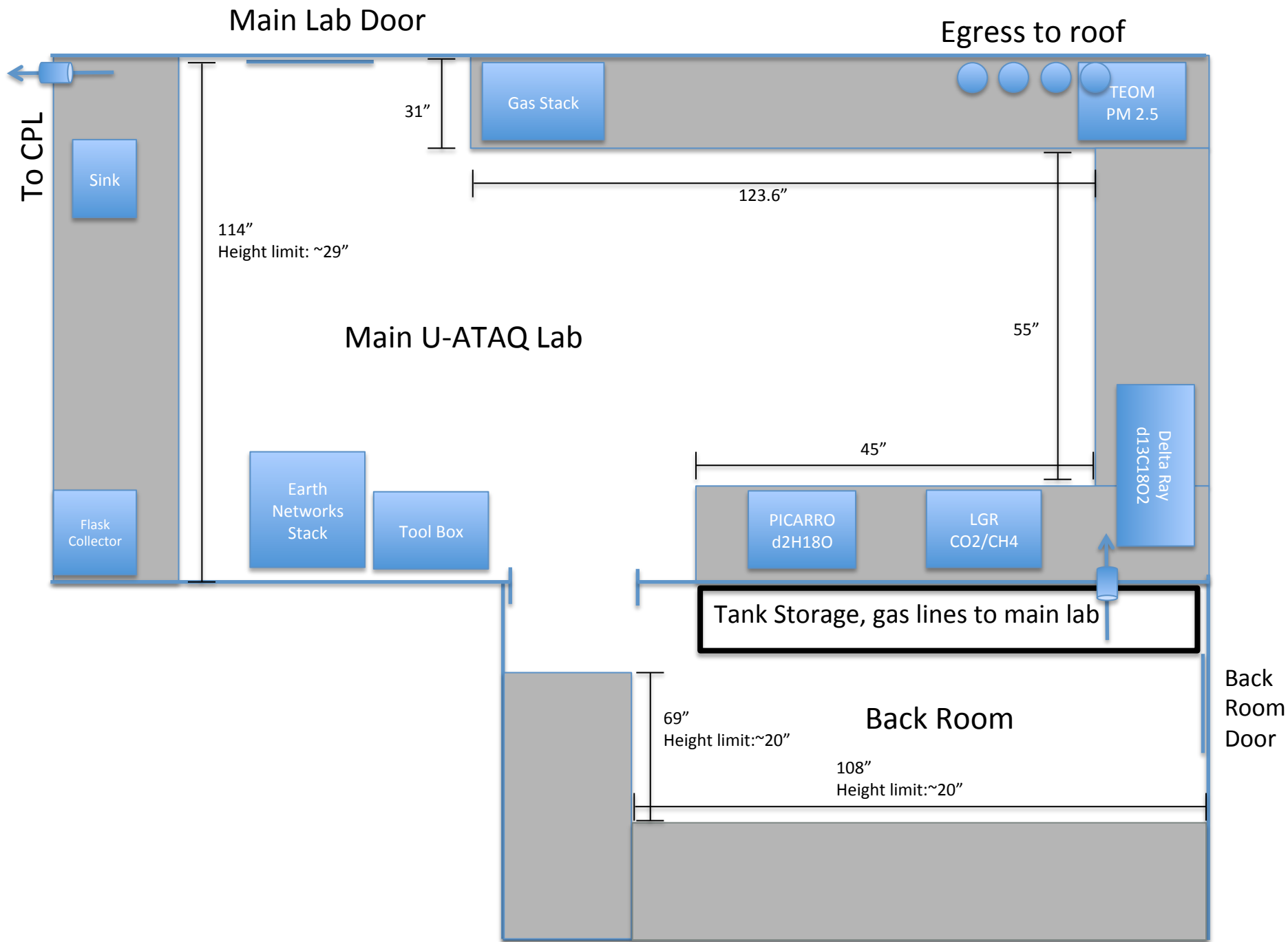
Our instrument tower and the Penthouse



U-ATAQ Main Lab



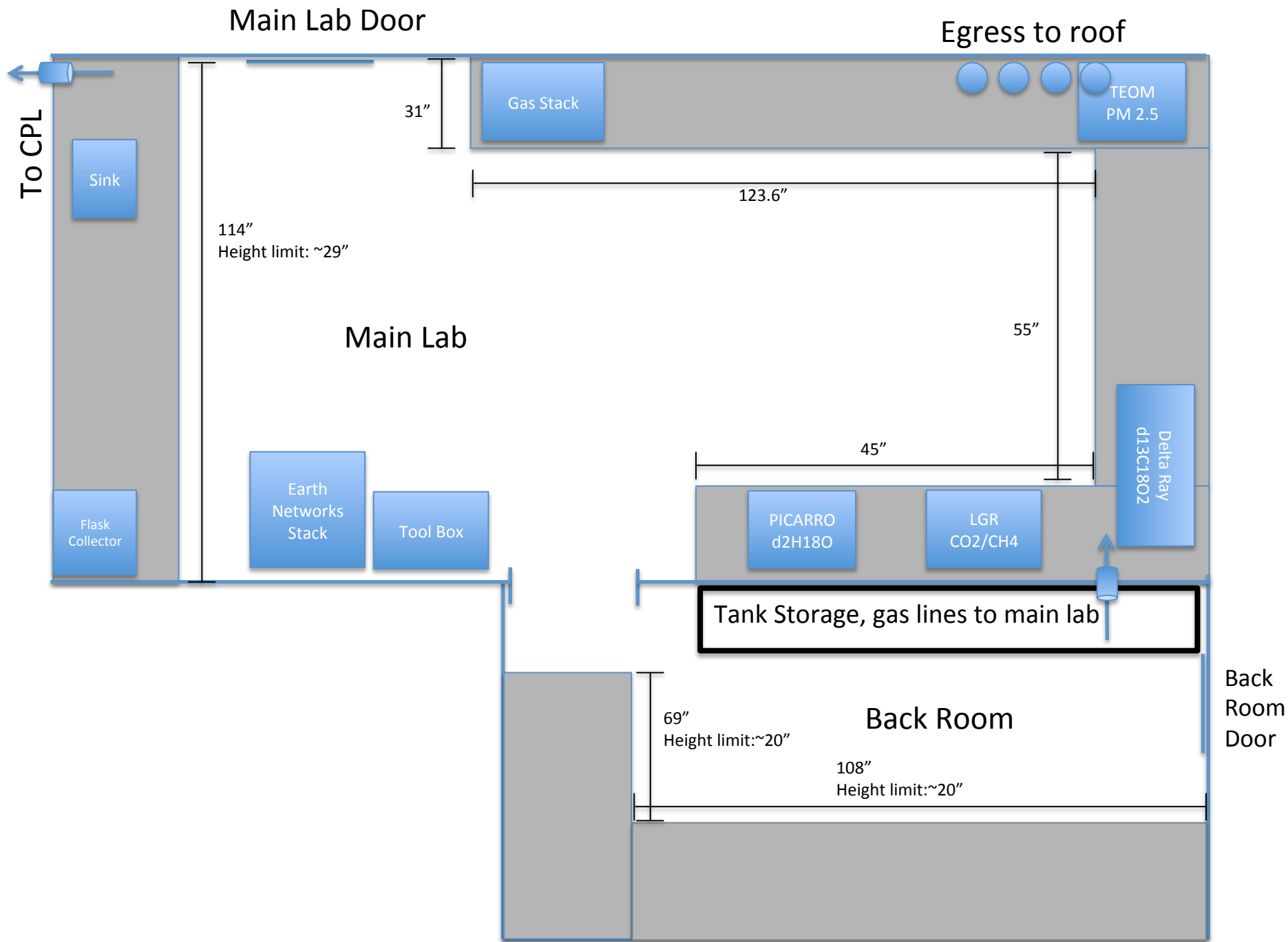
Main Room, most of the bench space in this image will be available before the campaign starts up.



U-ATAQ Back Room



Back Room. This space can be made available as needed. Great space but distance to inlets is fairly long. Min 155" (13 ') to roof egress



Cloud Physics Lab

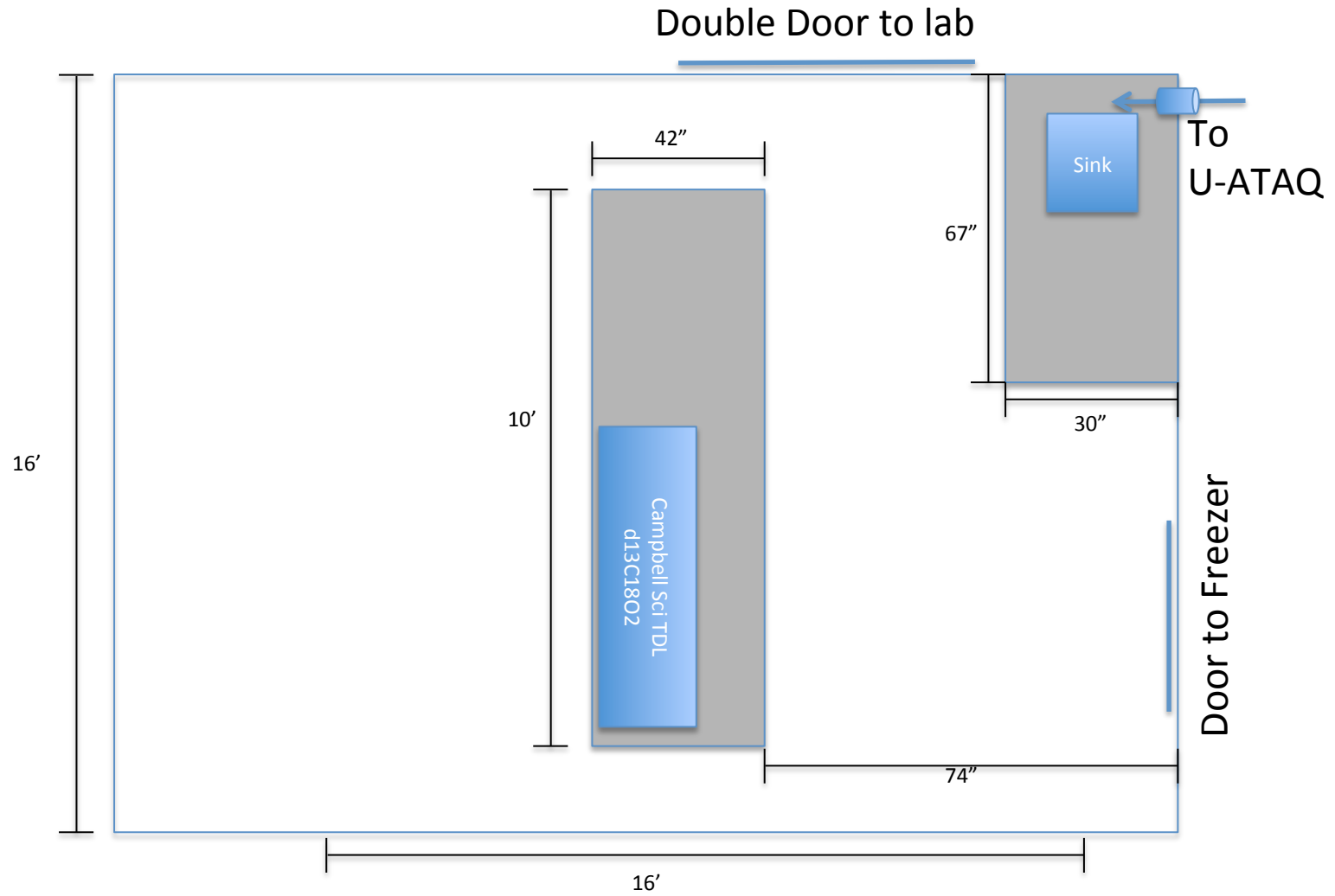


Lots of space here but the distance to egress is the greatest of any of our space



Port from our lab to CPL

Cloud Physics Lab

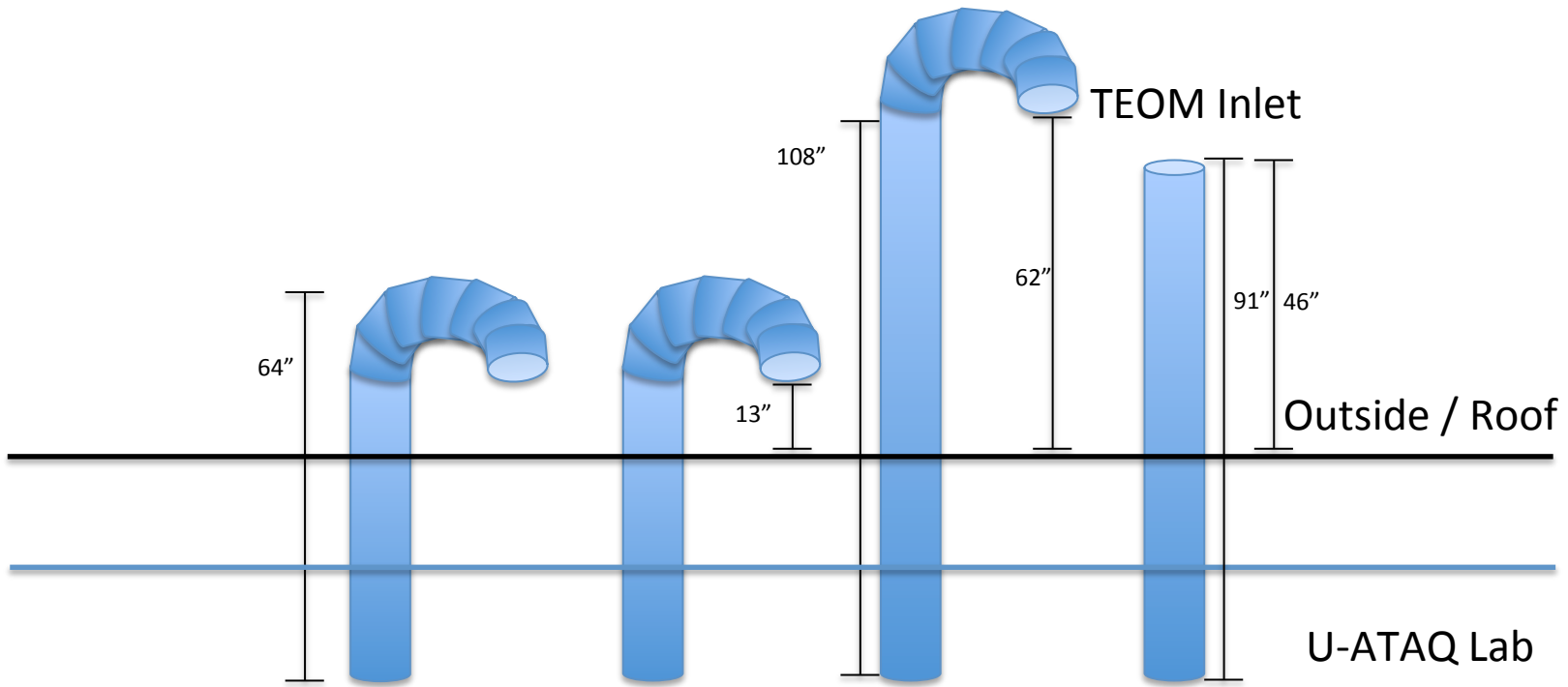


U-ATAQ Egress Points



Roof Inlets: This is the only egress from the building to the roof





Bench Space

TEOM
PM 2.5

Roof



Egress to Lab and instrumentation tower

Bonded roof so we need to be very careful when we are up there. There is power and communications aren't difficult



The Penthouse. Also, notice the exhaust vents from fume hoods...

Penthouse



It is heated, there is power and access to outside air is not too difficult. U-ATAQ does not manage this space so we will need permission but that shouldn't be an issue

Penthouse View



Back to the roof



Salt Lake Valley: Potential Ground Site Measurements at University of Utah

Atmospheric Sciences Building



Instrument	Species Measured	PI
VAPS-AMS	Speciated PM 1; OA speciation	Dr. Brent Williams (Washington University in St. Louis)
Chemical Ionization Mass Spectrometer	HONO, HNO ₃ , N ₂ O ₅ , ClNO ₂ , other species	Dr. Hans Osthoff (University of Calgary)
Proton Transfer Reaction Time of Flight Mass Spectrometer	Volatile Organic Compounds	Dr. Dylan Millet (University of Minnesota)
Nitrogen Oxide CRDS	NO, NO ₂ , NO ₃ , N ₂ O ₅ , NO _y , O ₃	Dr. Steve Brown (NOAA)
	Met observations, forecasting	Dr. Sebastian Hoch and E. Crossman (University of Utah)
Others	PM _{2.5} , O ₃ , CO, CO ₂ , CH ₄	Dr. Munkh/Lin group (University of Utah)
AIM-IC	PM inorganics, HNO ₃ , NH ₃	Dr. Jen Murphy, University of Toronto
SMPS; SMPS nano; APS	Size distribution from ultrafine through coarse	Dr. Gannet Hallar (University of Utah)
Aerodyne QCL	HCHO	Dr. Russell Long,, EPA ORD

Four Locations

1. Rooftop



2. Penthouse



roof

3. U-ATAQ lab



4. Cloud Physics Lab



building

1. Outside



Roof

2. Penthouse



Met Measurements

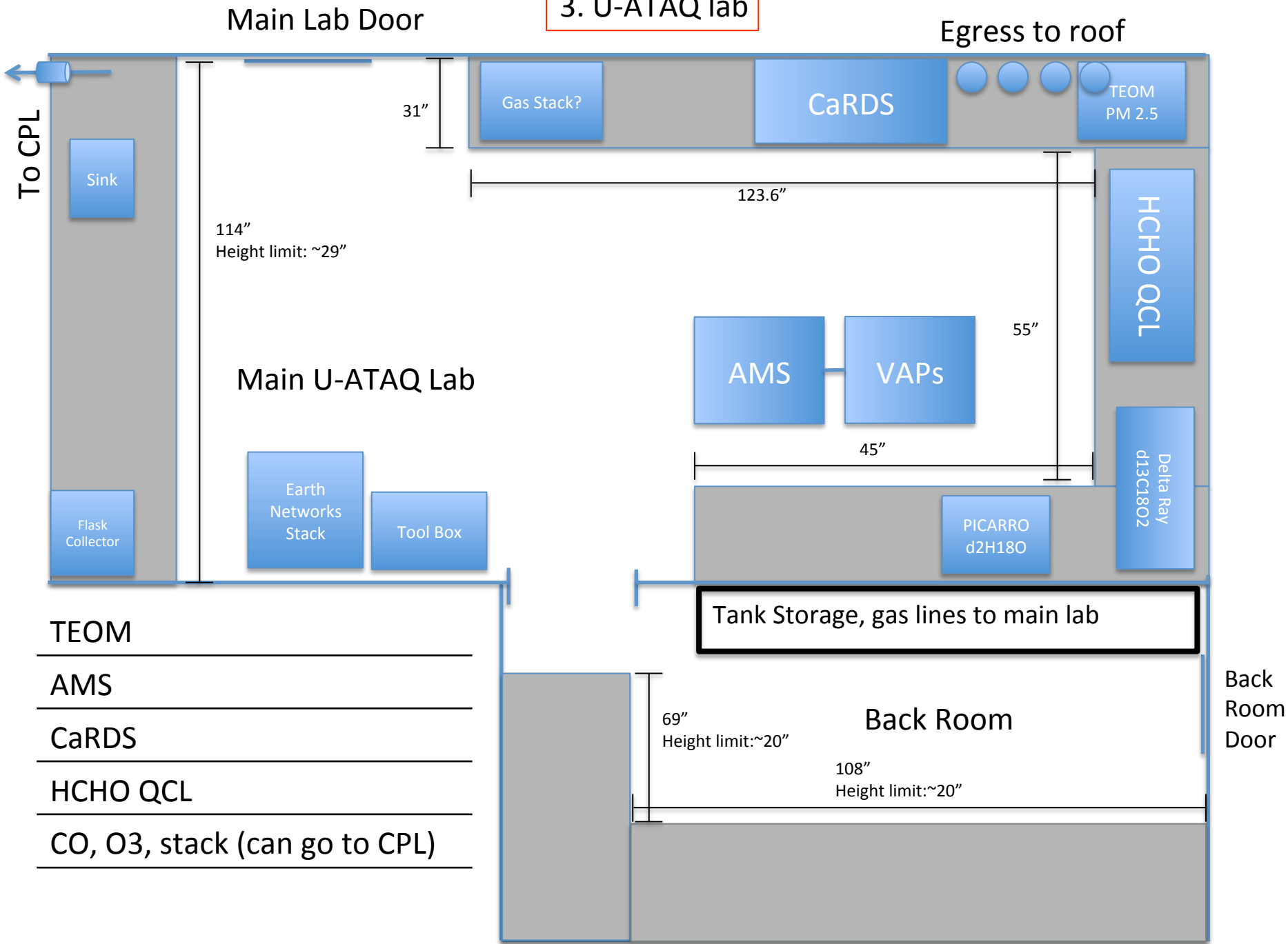
Pandora

CIMS:

- will need enclosure.
 - 4 x gas cylinders
 - Thermo NO/NOy analyzer
 - radioactive source; needs person with active license to receive
-

SMPS
SMPS nano
APS

3. U-ATAQ lab



4. Cloud Physics Lab

Double Door to lab

