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<b>Project:</b>	UO Lewis Interactive Science Bldg. - Facilities Meeting	8/19/09
<b>Project #:</b>	2100-003-09	
<b>Meeting Date:</b>	August 14, 2009	
<b>Meeting Site:</b>	UO & teleconference	
<b>Attended By:</b>	Emily Eng, Fred Tepfer, Denise Steward, Ernie Svensson, Dave Knighton, Mark Penrod, Bruce Johnson, Chuck Cassell, Regina Filipowicz, Laurie Canup.	
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Discussed the changes in the Energy Code that are coming. UO suggested getting an agreement from the City that the project will ultimately be permitted under the current Energy Code. Team will pursue this.

- Reviewed general layout of the building and a general description of the anticipated mechanical and lab systems.
  - Ernie will look into the capacity of the existing RO/DI system and condition to see if we can tap into it, or if it needs to be reconditioned.
  - Discussed whether there would be any advantage to having the unit here for the purpose of reusing the RO waste water for some other use. This would make it a significantly larger system, which would backfeed the old system. Noted that some of the money for this would come from Facilities.
    - Ernie noted that the current big RO system is pumped up to tanks on top of the various buildings.
  - UO does want an accessway to the tunnel from the Basement.
  - Still debating the need for humidification; not typically necessary in this climate. Concern expressed that it will be needed to meet animal health requirements.
    - Discussed humidification in general. Based on the needs identified and expected certification requirements, humidification is not required. Chuck noted that below 30%, Rh only becomes a problem after 3 or 4 weeks of exposure for mice.
  - Clean Steam: Chuck noted that he does not know of a need for clean steam in this building.
    - If clean steam is needed in the future, then a small steam generator will be added later.
  - Instrument Room (Basement): Goal is not to create a space equal to the Lokey space.
    - Also discussed equipment loads anticipated.
    - Fred noted he is meeting with the users later this morning. He will press them to get their list of equipment generated.
  - Industrial Hot Water: Ernie noted that they have needed a separate IHW system for the animal room. This was challenged. Chuck noted that they have not done this for other systems in other facilities. Will not do it here.

- Discussed the idea of establishing a grey water sump/system for toilet flushing. UO liked this.
- Drinking water for the animals can be domestic or RO. Chuck noted animals like the RO. Ernie noted that the animals are currently given plain domestic water.
- Discussed the mezzanine approach to maintenance for the TU's serving the animal facility. UO liked this. Did express desire not to have any exposed fiberglass insulation in this space. Other utilities would be routed through the space as well, including water, elec, etc.
- Discussed the NV concept for Cog/Neuro. UO is very uncomfortable with the strategy due to their experience with the H&W Center.
  - Discussed the alternative of providing a decoupled, dedicated OA system. UO liked this better. Use in conjunction with radiant heat/cool.
- Reviewed energy recovery concept. UO doesn't like the idea of the coil on the roof,
  - Denise noted that equipment on the roof needs to be approved using the method outlined in the Campus Standards.  
but it could be made to work. Would need a ladder to access the top of the Penthouse. Prefer a ship's ladder, as a minimum.
  - Discussed a small jib crane for lowering heavy equipment parts from roof.
  - Discussed having filters upstream of the coil in both air streams.
- Laurie noted that the "fix" must be implemented for the roof of Huestis or we won't have anywhere for a clean air intake.
- Currently planning for tunnel wash exhaust to be handled by the building lab's exhaust system. Noted that there would be some energy savings associated with a separate fan.
- Discussed the possibility of combining tunnel ventilation with our desire for tunnel heat capture. Jeff agreed that this would work.
- Reviewed the concept for new domestic and fire water feeds, routing, and temp service to Streisinger.
- Laurie presented an idea for access to the elec vault under imaging. The idea of a tunnel under the building to access it. First time discussed, Ernie noted that this needs to be discussed with other UO elec personnel.
- Chilled water for the MRI? The unit that is being moved currently has its own chiller. Do we need a separate chiller today? Campus chilled water will now be available year round.