

MEETING NOTES

Meeting Date : January 26, 2009 Project : UO Lewis Integrative Science Building
Author : Regina Filipowicz Job No. : THA Project 0810
Re : Building Standards and Lab Safety Meeting

Present:

User Group Members

Dale Smith, Information Services
Jeff Madsen, Facilities Services
Amy Cacan, Facilities Services
Denise Stewart, Facilities Services
Roger Kerrigan, Facilities Services
Ernie Svensson , Facilities Services
Kay Coots, EH&S

UO Campus Planning

Fred Tepfer
Emily Eng

Consultants

Chuck Cassell, HDR, lab planning principal
Regina Filipowicz, HDR, lab planner
Becca Cavell, THA project manager
Laurie Canup, THA project architect

Summary Notes

- 1.1 Introductions/Agenda
- 1.2 UO to provide design team March 2008 Draft Campus Standards.
- 1.3 Data distribution system ductbanks under site adds additional complexity.
- 1.4 Chuck explained the net lab square footage (probably 35,000 NSF) would be 50% low intensity (light load) labs and 50% high intensity (heavy load) fume hood intensive labs.
- 1.5 The labs will be designed with zones to maximize building systems efficiency.
- 1.6 Different designs were discussed with respect to mechanical systems.
- 1.7 The new building will have access to campus steam and chilled water.
- 1.8 Air handlers and pumps would be ideally located in the basement with the fume hood exhaust fans on the roof. Roof based equipment will require access, and significant amounts of roof based equipment may drive the need for elevator access.
- 1.9 Air handlers on roof would ideally be located in a penthouse.
- 1.10 Wind studies needed to determine how LISB will affect, and be affected by, the surrounding buildings; importance of massing was discussed.
- 1.11 The new vivarium may house 5,000 – 6,000 rodent cages; survival surgery suite; cage and rack washing facility. Chuck outlined a possible design scenario to provide catwalks above corridors to minimize access to suite.
- 1.1 Services currently running through site in basement location were discussed:
 - (13) 4" conduits running east-west are located north of Deschutes and Oregon Hall
 - Main fiber optic trunk line serving half the campus is running NNW through site
 - Additional trunk services feed imaging center in ISC 1.
- 1.2 Renovations and upgrades are due to begin on chilled water, steam and electrical lines:
 - 18" lines are being upgrade to 24" diameter lines to serve east side of campus.
 - An express feeder could be designed for the Lewis project.
 - If the tunnel penetrates the new building it could be a "pseudo" tunnel within the project.
- 1.12 A major central plant upgrade is being planned; loads from LISB need to be identified in order to be accommodated.
- 1.13 Impacts to tunnel should be minimal.

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- 1.14 At this point all tunnel renovation and upgrade work will be completed before LISB is out of the ground.
- 1.15 Feral rat penetrated existing vivarium; new tunnel should be "rat proof".
- 1.16 Jeff Madsen to provide sections of the tunnel for verification of top and bottom elevations; can piping runs work within LISB.
- 1.17 Design team to meet with Kay Coots February 4 to discuss EH&S issues.
- 1.18 LISB to aspire to 'B' occupancy
- 1.3 How are chemicals to be stored?
 - Space (H occupancy) on each floor
 - Bunker outside building
 - Mandated amount of space in labs which researchers live with
- 1.19 Kay Coots said there is a current chemical inventory list.
- 1.20 Design Team to look at low, medium and high lab density scenarios as they relate to chemical amounts; what is baseline?
- 1.21 Will building be LEED certified? What are UO's environmental values? Net zero buildings need to be 40% better than code.
- 1.22 Separation of building functions works in terms of Sustainability.
- 1.23 Right sizing of mechanical systems necessary to aspire to realization of actual versus projected loads.
- 1.24 Design team to look at Labs21 for comparative data.

Homework:

- Campus Planning to provide design team draft campus standards (3/2008 version)
- Jeff Madsen to provide sections of the tunnel for verification of top and bottom elevations
- EE to schedule meeting with EH&S on 2/4
- Design team to look at low, medium and high lab density scenarios as they relate to chemical amounts
- Design team to look at Labs21 for comparative data

END OF NOTES

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