

MEETING NOTES

Meeting Date : January 12, 2009 Project : UO Lewis Integrative Science Building

Author : Regina Filipowicz / Becca Cavell Job No. : THA Project 0810

Re : Materials / Physical Science User Group Programming Meeting 1

Present:

User Group Members

Steve Kevan - Physics
Mike Haley - Chemistry
Mark Lonergan - Chemistry
Richard Taylor - Physics

UO Representatives

Fred Tepfer
Emily Eng

Consultants

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

Summary Notes

- 1.1 Chuck and Becca summarized benchmark expectations for the project:
 - A lab building such as LISB is typically 55% efficient, so a 100,000 GSF building would accommodate 55,000 assignable SF.
 - Of that 55,000 ASF, expect 60% to be lab and lab support space and 40% to be offices / meeting rooms.
- 1.2 Lab space allocated for Materials and Physical Sciences the current program is ~19,300 ASF.
- 1.3 Programmed 1,500 SF lab space allocation would include bench space, assigned lab support, and student space including post-docs. Users suggested 1,800 SF per lab including offices space.
- 1.4 Three types of labs are required for Materials / Physical Science:
 - (4) Low Fume Hood Density Labs – (1-2) 6'-0" fume hoods
 - (4) Medium Fume Hood Density Labs - (6) 6'-0" fume hoods
 - (5) High Fume Hood Density Labs – (8) 8'-0" fume hoods
- 1.5 Ceilings should be exposed and burying services in walls should be kept at a minimum.
- 1.6 Captured light from exterior walls into labs and lab support space is desirable.
- 1.7 Grad students will have desks in labs; desks currently are 24" deep.
- 1.8 Where is the LN2 tank to be located?
- 1.9 Where is central chemical receiving to be located and is it really required?
- 1.10 Solar Radiation Monitoring Lab could possibly connect to the facilities (PV's) on the roof.
- 1.11 Team to consider 1-1/2% for solar and state incentives for renewable energy.
- 1.12 The Users raised concerns about the placement of the MRI in the building in regards to EMI interference; the design team shared with them the current thought is the MRI will be placed at the east end of the building and if necessary addition shielding would be added depending upon the final locations of both the Mat. Phys and MRI in the building.
- 1.13 Consider connection to Lokey Laboratories basement in order to access crane for movement of large equipment/items into the LISB basement. Economy suggests crane use over elevator use. An adequately sized freight elevator cab would be 8"x10'x10' with a capacity of 16,000 lbs
- 1.14 Design team to allow for wide doors for equipment movement..
- 1.15 Homework assignment: Users to collect cut-sheet data on specific equipment that will be moved to Lewis or purchased for new building.

NOTE: Attention Attendees! Please review these notes carefully as they will form the basis of future work on this project. If you feel that anything is incorrect or incomplete, please call the author at 503-227-1254.

END OF NOTES

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