

MEETING NOTES

Meeting Date : April 16, 2009 Project : UO Lewis Integrative Science Building
Author : Regina Filipowicz Job No. : THA Project 0810
Re : Material/Physical Science Lab User Group SD Meeting 1

Present:

User Group Members

Mike Haley - Chemistry
Dave Johnson - Chemistry
Mark Lonergan - Chemistry
Richard Taylor - Physics
Steve Kevan - 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. The group felt that Lokey Labs is an attractive model to carry into the LISB basement.
2. The location of the elevator, stair and shear wall will need some further study. The appropriate placement/design of these items is necessary to achieve the desired open and welcoming feeling of the basement entry and high performance qualities of the research spaces. The locations of these elements should be resolved to determine the basement Mat/Phy Labs.
3. Vibration, Electrical and Acoustical issues need to be addressed and isolated.
4. Dave Johnson suggested the line of bedrock should be investigated; where required bedrock should have concrete infill.
5. The design team will investigate whether the elevator can be located as far to the east as possible and whether one elevator can service the entire building. If so, what would be the vibrational impact?
6. A cab size of 4'x 8' would be convenient if elevator is required to service the Basement.
7. The desire for the Basement is to preserve and maximize space in order to obtain the best measurements possible.

Wet Labs (*refer to figures 1 & 2*)

8. Home base is a term that is used for the home lab of a PI, not a non-lab collaboration space.
9. Home Base could be Flex Labs, Instrument Labs, etc, but should be considered 'Lab Space'.
10. Cylinder Gas cabinets required
11. Service Utilities Required:
 - Natural Gas (main run – no branch line)
 - Lab Air (clean, dry air) @ 15-80psi
 - Lab Vacuum (main run – no branch line)
 - Purified Water at lab sinks (1-3 megohm)
 - Purified Water connection at specific lab sinks with an electrical outlet for user furnished water polisher (up to 18 megohm)
 - 110V – high power density
 - 208V & 480V – Run to Panels
 - Data outlets required in all labs and support spaces

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.

12. Users would like all piping to be surface mounted.
13. Users would like all electrical panels to be surface mounted.
14. Provide sound absorption panels on concrete to minimize noise.
15. Provide overhead service carrier with shelves over movable tables in bench labs
16. Fume hood density to be priced as is and minus the four hoods indicated in figure 1.

END OF NOTES

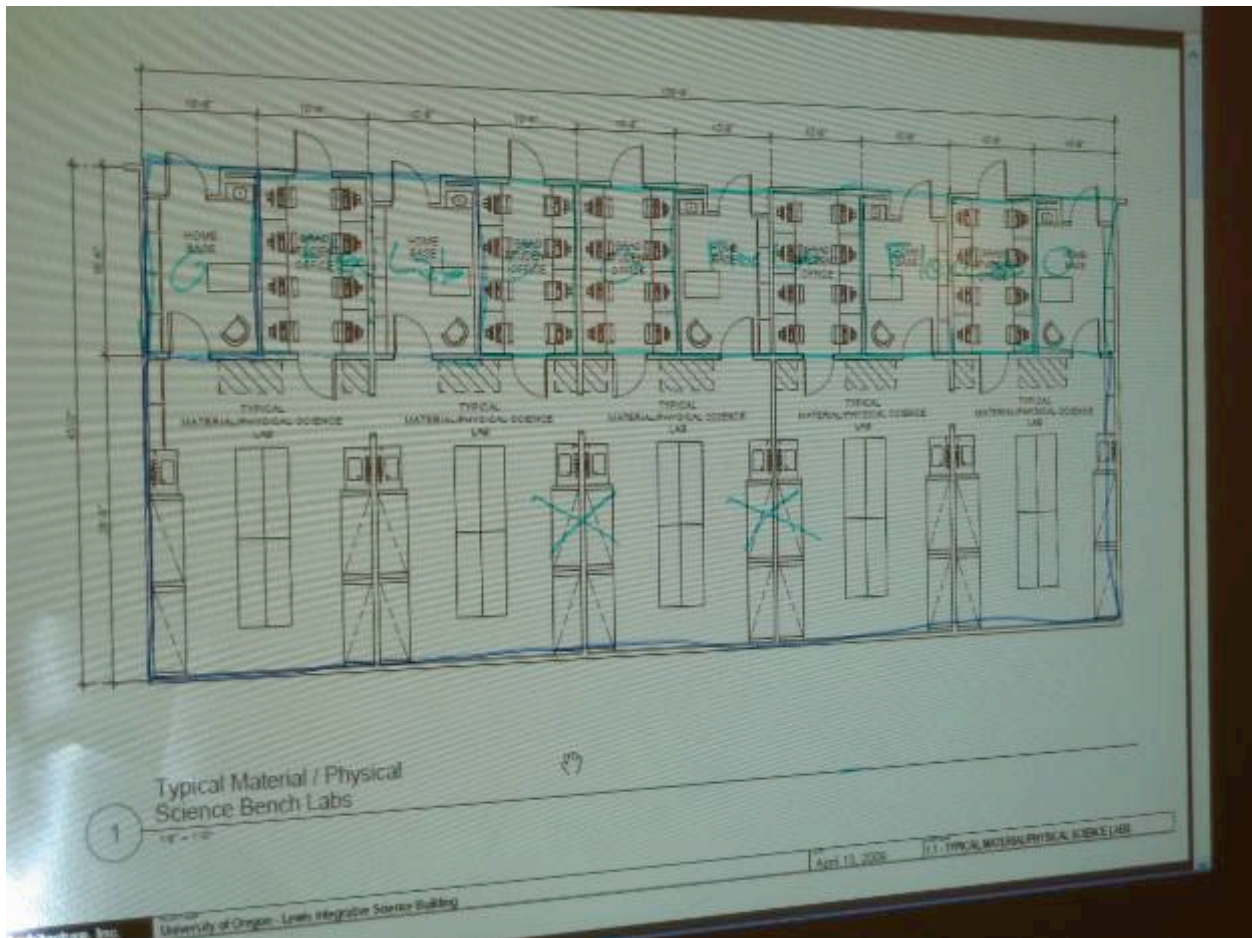


Figure 1

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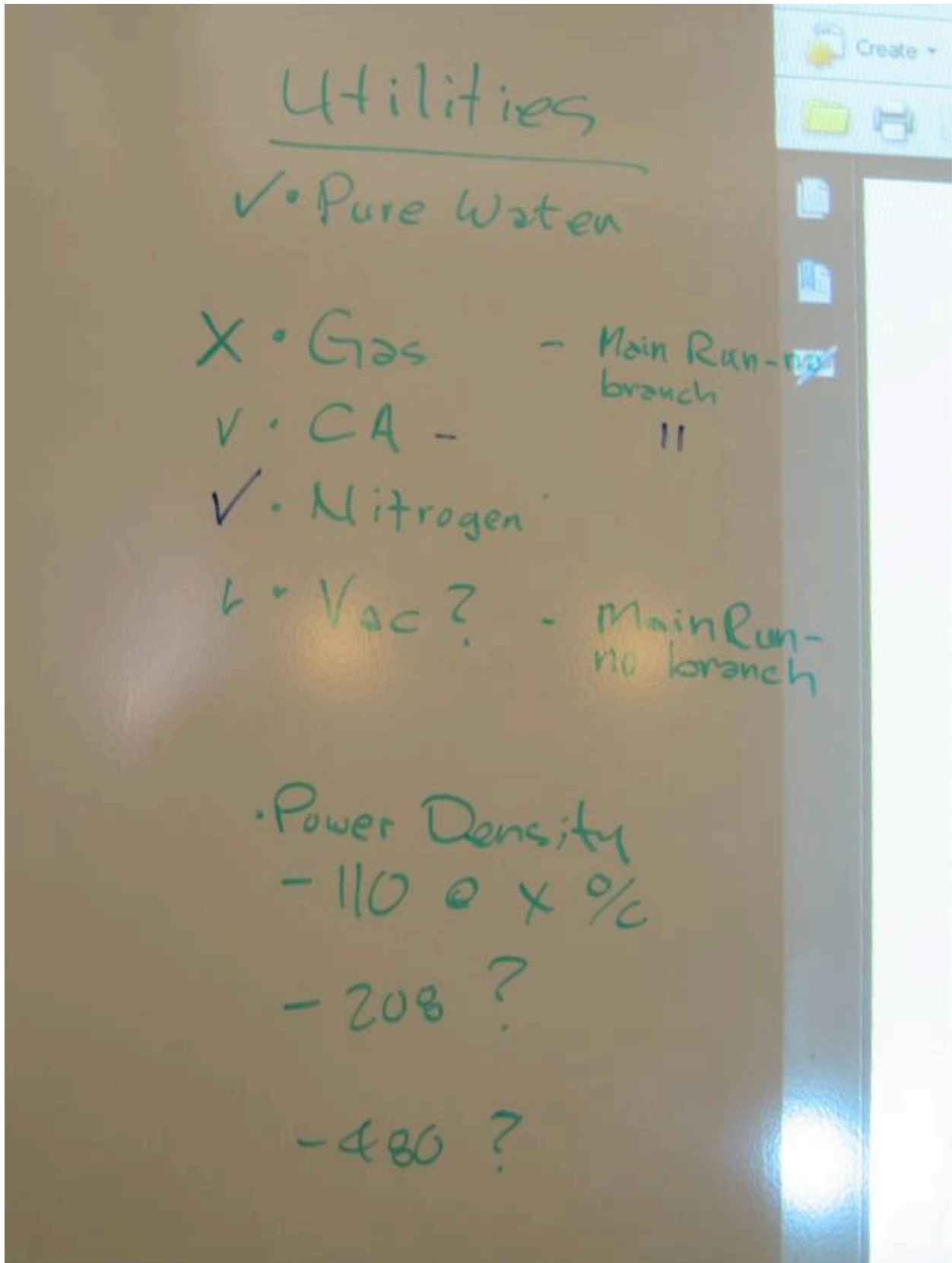


Figure 2

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