November 5th, 2013

College of Lake County
111 North Genesee Street
Waukegan, IL 60085

Re: College of Lake County Master Plan Projects
Architect's Project Number: 213007.00

Lakeshore Campus: Biological Health Sciences Sub-Committee Programming Meeting #1 Minutes

Summary of the Lakeshore Campus: Biological Health Sciences Sub-Committee Programming Meeting #1 held at 2:30 pm on November 1st, 2013 at College of Lake County- Southlake Campus, Room V122. These notes record our understanding of items discussed and decisions made at this meeting. Please notify us within seven (7) calendar days of any necessary additions or corrections.

PERSONS IN ATTENDENCE

Steve Holman, Dean
Carol T Wismer, Biology Instructor
Ted Johnson, Construction Manager
Drew Miller, Project Manager
Lakeisha Lindsey, Project Manager
Jeffrey Sronkoski, Principal
Burcin Moehring, Director of Science and Technology
Jackie Rutter, Intern Architect

College of Lake County (CLC)
College of Lake County (CLC)
College of Lake County (CLC)
College of Lake County (CLC)
Copier Consulting (Copier)
Legat Architects (Legat)
Legat Architects (Legat)

ITEMS DISCUSSED

1. Introductions
   a. The committee members introduced themselves and their respective roles on the project.
   b. The scope of the project was reviewed.
   c. Legat distributed the meeting agenda.

2. Programming Process
   a. Jeff Sronkoski briefly reviewed the programming process and goals.

3. Goals and Objectives were discussed
   a. It was agreed that at the end of this programming project, the required spaces will be identified.
   b. During the programming, the extent of the renovation and new project areas will be identified.

4. Space Needs Discussion
   a. Detailed Space Requirements Form (attached) was distributed to be completed by the CLC team.
   b. Legat team asked the following
      i. The courses CLC will be teaching and what spaces they will need to accommodate these classes.
   c. Steve Holman and Carol Wismer stated that the state wide the nursing program requirements are changing and that the new nursing facility at CLC should be prepared to accommodate the
prerequisite classes CLC requires students to take before they get into the nursing program and students might need to take classes if they intend to get a Bachelor’s after they leave CLC.

d. Faculty requested the following spaces to be accommodated:
   i. A and P Lab
      1. Instructors: Carol Wismer and one other person.
      2. 1 teaching Lab for 24 students
      3. 1 Cadaver Lab
      4. Small Storage space
      5. Steve Holman noted that they find it desirable to have a similar space layout to the one designed at CLC Graysake’s new science building. In this scenario, the A and P Lab would have a cadaver space and share a storage space with the Biology Lab. The Biology Lab would have its own separate Prep Lab.

   ii. Biology
      1. Instructors: Carol Wismer and one other faculty member
      2. Current Biology lab could be converted to a multi-purpose lab and shared by Biology and Microbiology labs as long as no Chemistry classes are taught in that lab.
      3. 1 teaching lab for 24 students
      4. Prep Lab
      5. Storage
      6. Rarely use a fume hood

   iii. Microbiology Lab
      1. Instructors: one other faculty member
      2. Possibly 2 hoods. Burcin Moehring noted that typically one fume hood is provided in Microbiology Labs.
      3. Space for special piece of Microbiology equipment will be required.
      4. If not shared with Biology, following will be required:
         a. 1 teaching lab for 24 students
         b. Prep Space
         c. Storage

   iv. General Chemistry Lab Suite - Chem 120 and 121 courses will be taught.
      1. Teaching Lab for 24 students
      2. The possibility of Instrument Lab was discussed.
      3. Glasswash/Prep Lab
      4. Stockroom/Chemical Storage

   v. Office
      1. 1 Full-time faculty and 1 adjunct will need an office in addition to Carol Wismer’s current office.
      2. The total 2 offices would serve the Lakeshore campus needs.

   vi. Computer space - possibility of including a computer lab was discussed.
      1. CLC has laptops for students to use in labs but sometimes students bring their own lap tops.
2. Bio 120 course has 4 lab sections that students use computers during every class period.
3. A separate computer room or space is not needed. Laptops/computers will just be used in the teaching labs.
   e. Steve Holman indicated that the Chemistry lab should be able to accommodate advanced Chemistry course. Since the Chemistry lab requirements are different than the Microbiology lab, it was agreed that it is not desirable for Chemistry and Microbiology to share a lab.
   f. Steve Holman confirmed that it is acceptable if the existing lab remains to be a Biology Lab and a new lab to be programmed for the Chemistry class. He also indicated that Chemistry and Biology do not need to be in close proximity.
   g. CLC team indicated that the Microbiology and Biology classes could be taught in the same lab. Microbiology does not need to be adjacent to the A and P Lab.
   h. Steve Holman agreed to summarize the three science programs, how they relate to the health science programs and to provide the Legat team with this information. He will note how the different classes and their spaces relate to nursing program.
5. Burcin Moehring reviewed examples and trends of science labs. She also shared some of the trends and concepts which have been presented at the Tradeline Conference.
6. It was agreed that the next meeting will be at 11 am on Monday, November 18th.
7. Next steps:
   a. CLC team will complete the distributed Detailed Space requirements (attached) and send them to the Legat team.
   b. Legat team will update space needs list and send it to CLC team for their review.

Sincerely,
Legat Architects, Inc.

Burcin Moehring, AIA, LEED AP BD+C

Jackie Rutter

JR/BM

ATTACHMENTS

Attendance Record (1 Page)
Detailed Space requirements (1 Page)

cc
File: 213007.00CLC Grayslake Master Plan: B3
Dave Agazzi, College of Lake County
Vuk Vujovic, Legat Architects

FILENAME
213007.00_ATT_131101-PDLakeshore_BioChem_Mtg1.docx
## Detailed Space Requirements

### Architectural

<table>
<thead>
<tr>
<th>Floor</th>
<th>Walls</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carpet</td>
<td>GPDW, Paint</td>
<td>Open (no ceiling)</td>
</tr>
<tr>
<td>Resilient Tile (linoleum or rubber)</td>
<td>Cement Board, Paint</td>
<td>Acoustic Tile</td>
</tr>
<tr>
<td>Sheet Flooring (linoleum or rubber)</td>
<td>Ceramic Tile</td>
<td>Metal Panel</td>
</tr>
<tr>
<td>Stone</td>
<td>CMU, Paint</td>
<td>GPDW, Paint</td>
</tr>
<tr>
<td>Ceramic Tile</td>
<td>Other</td>
<td>Other</td>
</tr>
<tr>
<td>Epoxy</td>
<td></td>
<td>Ceiling Height</td>
</tr>
<tr>
<td>Sealed Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Base</th>
<th>Sensitivities</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; Vinyl</td>
<td>Acoustical</td>
</tr>
<tr>
<td>Integral w/ Floor</td>
<td>Vibration</td>
</tr>
<tr>
<td></td>
<td>Light</td>
</tr>
<tr>
<td></td>
<td>Radio Frequency</td>
</tr>
</tbody>
</table>

### Special Criteria

#### Electrical
- 120 Volt
- 208 Volt
- 480 Volt
- Instrument Ground
- Other

#### Others
- Snorkel Exhaust Qty.  
- 4 Ft. Fume Hoods Qty.  
- 6 Ft. Fume Hoods Qty.  
- 8 Ft. Fume Hoods Qty.  
- Walk-in Fume Hoods Qty.  
- Radioisotope Hood Qty.  
- Piped Nitrogen Gas  
- Piped Argon Gas  
- Lab Vacuum (15" Hg)  
- High Vacuum (29" Hg)  
- Steam  
- Cylinder Gases:  
  - Inert  
  - Flammable  
  - Toxic  
- Potable Cold Water (CW)  
- Potable Hot Water (HW)  
- Chilled Water (CHW)  
- Water Polisher  
- Floor Drain  
- Piped Lab Grade 2 Water  
- Piped Lab Grade 1 (18 MegaOhm) Water  
- Lab Sinks  
- Cup Sinks  
- Emer. Spray/Eyewash  
- Emergency Shower  
- Lab Gas  
- Lab Air (50 psi)  
- Compressed Air (100 psi)  
- Piped Carbon Dioxide  
- Lab Sinks  
- Piped Lab Grade 2 Water  
- Piped Lab Grade 1 (18 MegaOhm) Water  
- Gas Cabinet  
- Instrument Ground  
- Other:  

### Room Area

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### Environment

<table>
<thead>
<tr>
<th>Room Area</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function/Utilization</td>
<td></td>
</tr>
<tr>
<td>Computing</td>
<td></td>
</tr>
<tr>
<td>Lighting</td>
<td></td>
</tr>
</tbody>
</table>

### No. of Phone Outlets

- Wireless Network
- Lab grade HVAC
- Single Zone fluorescent

### Light/Environmental

- Multi-zone fluorescent
- Dimmable incandescent
- Comb. Fluor. & incand.
- Natural Light Desired
- Lab grade HVAC
- Single Zone fluorescent

### Hours of Use

- 8 hours/day
- 14 hours/day
- 24 hours/day

### Hours of Operation

- 8 hours/day
- 14 hours/day
- 24 hours/day

### Architectural

- Floor: Carpet
- Walls: GPDW, Paint
- Ceiling: Open (no ceiling)

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### Special Criteria

- Acoustical
- Vibration
- Light
- Radio Frequency