

**SCHEMATIC DESIGN REVIEW MEETING NO. 3 / DECEMBER 3, 2014**

---

MEETING START TIME: 2:00 p.m.  
 MEETING END TIME: 5:00 p.m.

**PRESENT:**

Beth Alderman	Division of Facilities Development	Val Schute	River Architects
Heidi Macpherson	UW-La Crosse	Mike Adler	River Architects
Doug Pearson	UW-La Crosse	Mike Swinghamer	River Architects
Bruce Riley	UW-La Crosse	Clint Rasmussen	River Architects
Bob Hoar	UW-La Crosse	David Johnson	SmithGroupJJR
Aaron Monte	UW-La Crosse	Jeff Kocinski	SmithGroupJJR
Mike Abler	UW-La Crosse	Tony Lobello	SmithGroupJJR
Mohamed Elhindi	UW-La Crosse	Tom Rogers	SmithGroupJJR
Mark Valentie	UW-La Crosse	Nikki Taylor	SmithGroupJJR
Eric Gansen	UW-La Crosse		
Bill Schwann	UW-La Crosse		
Julianne Merkes	UW-La Crosse		
Brady Gross	UW-La Crosse		

**NOTES:**

1. The Project Schedule was reviewed and discussed. The following items were noted:
  - a. Upcoming meetings were outlined.
  - b. The next/final Design Committee meeting scheduled for the concept design phase is scheduled for December 18, 2014 from 10:00-12:00.
  - c. Systems Review meeting scheduled for December 17, 2014. This will include the engineering consultants and UW-L Facilities and anyone from the committee that would be interested in hearing about the proposed engineering systems.
  - d. Lab Planning meetings will be held on December 17-18 with Physics and Radiation Center.
  - e. Audio-Visual review meeting will be held on December 18, 2014 from 2:00-5:00 to review the technology side of the project.
  
2. Tony Lobello gave a recap of the last meeting. The following items were noted:
  - a. Two schemes were presented, Confluence and Meandor.
  - b. The value model was evaluated by the design team and the committee, the scores were averaged, and the scheme best fit to meet the design criteria was Confluence.
  
3. The Site Design was reviewed and discussed. The following items were noted:
  - a. Four key points were identified in the previous meeting regarding the site design including:
    - Enhance campus green space
    - Improve pedestrian experience
    - Promote strong sense of arrival
    - Stormwater management/strategies

- b. Stormwater strategies proposed include the following;
    - Two primary areas for possible stormwater infiltration which would exceed LEED requirements but would be less than what was implemented at Centennial Hall. Should the basins be designed with a deeper depression to hold additional water?
    - 2.5 feet deep basin proposed.
    - Examples of existing retention basins on campus were presented.
  - c. A conceptual design of Badger Street was provided and the following was noted;
    - A 20 foot wide sidewalk to be provided in order to accommodate emergency vehicles.
    - The narrowing of Badger Street will reduce stormwater runoff.
  - d. A conceptual design of the campus mall was shown as part of Phase 2. Images of campus malls were provided.
4. David Johnson reviewed the building program and how it compares to the current concept. The following items were noted:
- a. Class labs and research labs were shown by department.
  - b. Overall the assignable square footage is relatively close to the building program.
  - c. David described how a facility that is 100% laboratory differs from typical lab buildings that include classrooms, offices, and collaborative learning spaces. This facility will require immense mechanical rooms and shafts which will reduce the overall efficiency of the building. The variation is expected and worth moving forward as the plans get refined.
  - d. Design team will engage the cost estimating consultant to review the current plans and determine if the project is still on track.
  - e. Program to Concept has a 1.5% variance in net square footage.
  - f. Program to Concept has a 5-6% variance in gross square footage.
5. The current floor plans were reviewed and discussed. The following items were noted:
- a. David Johnson expressed concern with the redistribution of Chemistry spaces to the upper floors. Classification of the chemicals is critical and will need to be verified.
  - b. Primary entrance on the west end of the building off the campus mall.
  - c. Eric Gansen noted that the Optics Lab should be on the same corridor as Advanced Physics or provide doors are needed between the two labs.
  - d. David Johnson asked if the location of the Dispensing Room is of any concern. Aaron Monte noted that it won't be an issue because the Chemistry spaces located on the upper floors will not be using chemicals stored within the dispensing room. The Biochemistry spaces will be using less hazardous chemicals, so the location of those spaces higher in the building may be acceptable.
  - e. Aaron Monte commented that Chemistry would prefer to move the General Chemistry and corresponding support spaces to the east block and move Analytical Chemistry to the west block. See attached sketch.
  - f. Mike Abler described the plan option that was presented. The option locates River Studies and Soils & Sediments research on the same floor. Mike noted that River Studies approved the proposed idea to decrease the size of the Tank Room in order to do this. The Biochemistry Lab moves to Level 3. Mike Abler and Aaron Monte agree that the optional plan presented is stronger than the other. The committee agreed and the design team will use this option to move forward.
  - g. Consider switching Organic Chemistry Survey Lab with the Aquatics Lab.
  - h. Mike Abler commented that the Microbiology teaching lab quantity is out of proportion compared to other departments. There appears to be a duplication with the Immuno/Viro Lab and this space will be removed.

- i. Mike Abler noted that the space identified as Future Biochemistry could be a future teaching lab for any use but it is likely that a second Biochemistry Lab will be needed.
  - j. Core Microscope space to be located on an isolated slab.
  - k. Mike Abler described the concerns related to the current Radiation Center layout. The Irradiator Room and Neutron Howitzer are required to be behind three walls. In the existing plan, the corridor wall and the wall of the Irradiator Room do not meet this criteria. SmithGroupJJR recommended providing ante rooms to the east of the Irradiator Room and west of the Neutron Howitzer.
  - l. Additional height required within the Physics research areas located in the basement. Exact clearance height to be determined.
  - m. Core Microscope equipment specifications to be compiled by Mike Abler. This space will not require additional ceiling height.
6. The conceptual floor plans for Phase 2 were presented. The following items were noted:
- a. Collaboration space located in the link between the two phases.
  - b. Public spaces provided at the main lobby and entry areas.
  - c. Val Schute reviewed the status of the current Classroom Mix Analysis being conducted on campus. The current outcome has determined a need for rooms with 75 to 90 seats rather than 120 and 150 seats. Active learning arrangements may be appropriate and should be considered.
  - d. Eric Ganson commented that it would be ideal to have storage opportunities within the classrooms.
  - e. Question was raised on the office concept to be used. It has yet to be determined if open or closed offices will be proposed. The concern expressed by the committee is that many offices, including the ADA offices, require security due to confidential files being stored within them. ADA spaces are to remain with their departments and not co-located with other departmental ADA's.
  - f. Currently, there is no thought of connecting Phase 1 to existing Cowley Hall. If budget allows, a one-story connection to existing Cowley Hall could be provided.
7. The architectural context of the campus was reviewed and discussed. The following items were noted:
- a. David Johnson commented that campuses act as architectural museums. Campus buildings have the opportunity to learn from what came before them.
  - b. Materiality, Verticality, Horizontality, and Transparency examples were shown.
  - c. Exotic metals could be used as a possible accent for low maintenance.
  - d. Aaron Monte commented on the "fashion trends" in architecture. Could a random building expression make the building look dated?
  - e. Mike Abler commented on the images on slide 58:
    - Upper right image looks unfinished with random vertical screen spacing.
    - Middle image looks ok with random glass and masonry composition.
  - f. David Johnson commented that it can be difficult to get horizontal building composition to work due to the high floor to floor height. David added that the team is trying to design a timeless contextual building that responds to the program and incorporates sustainable elements as a major driver.
8. Three design concepts were presented for the exterior. The following items were noted:
- a. The exterior finish has a direct correlation to the interior activity. Transparent finishes proposed at the northeast and southwest corners at the single loaded corridor. Masonry finishes proposed at the northwest and southeast research/teaching lab bars.
  - b. DFD glazing requirements are being incorporated into the concepts.
  - c. The scrim that is hung away from the building for shading was unfavorable to the committee.
9. The following comments regarding the design concepts presented were reviewed and discussed:
- a. Mike Abler commented that the Modular scheme appears to have more window area.

- b. Mike Abler commented that brick seems more appropriate.
  - c. Aaron Monte commented that he prefers the vertical scheme.
  - d. Mike Abler commented that the stair expression in the vertical scheme resembles uneven shoe boxes. He would prefer a more aligned approach.
  - e. Mike Abler commented that the horizontal scheme looks like a punch card.
  - f. Mike Abler commented that the design could alternate between teaching and research labs because the horizontal windows could allow for more bench space within the labs.
  - g. Bill Schwann commented that the metal stair tower with connecting penthouse seems to be too much grey.
  - h. Bruce Riley favored the vertical concept but would prefer a more consistent/regular pattern. Bruce added that the modular windows are unfavorable to him.
  - i. David Johnson noted that the scrim concept works if it's based on a theme unique to the campus. A generic scrim pattern will not be successful.
  - j. Design team will study how to treat the metal finishes: shear, specular, tonal, patina, could all be options.
  - k. Design team will study a variation between the vertical and horizontal components with consideration to a tall metal stair structure at the west. Study will also include extending the glass up to the penthouse level.
  - l. Committee agreed that the stair wants to be more open and composed of more glass in the vertical scheme.
  - m. Beth Alderman commented that terra cotta would need to first be accepted by the campus and then by DFD. Design team noted that the terra cotta could be more thermally efficient and would allow for dematerializing the wall plane.
  - n. The committee agrees with the approach of two massing treatments (opaque and transparent).
  - o. The committee agrees with the combination of the vertical and the horizontal schemes.
  - p. Modular version deemed unfavorable due to the transparent expression as well as the modular window design. The modular scheme will not be developed further.
  - q. Committee members prefer an ordered approach.
  - r. Mike Abler commented that a concept to look at might be the vertical scheme with the horizontal stair expression.
  - s. David Johnson commented that the exhaust stacks will be shown at the roof for the next meeting.
10. Following the meeting, Aaron Monte provided a paper copy of review comments from Chemistry. See attached.

---

Meeting Notes by: River Architects and SmithGroupJJR

This constitutes our understanding of the issues presented. Contact River Architects, Inc. via phone at (608) 785-2217, or e-mail [m.adler@river-architects.com](mailto:m.adler@river-architects.com) if there are any discrepancies.

2014.12.03

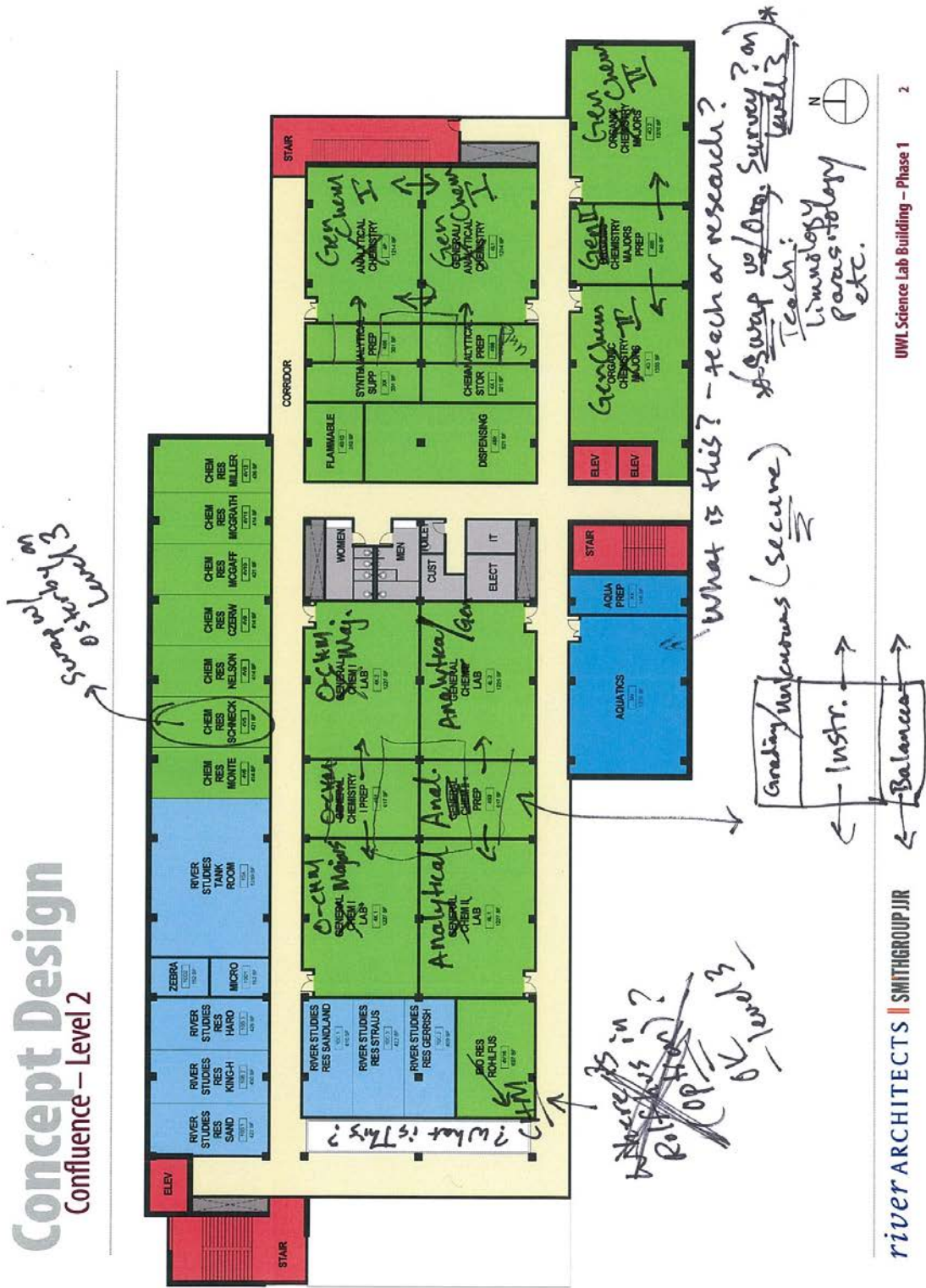
CHM Layout Ed. 13  
from Master 2+3  
(Levels)

# Concept Design

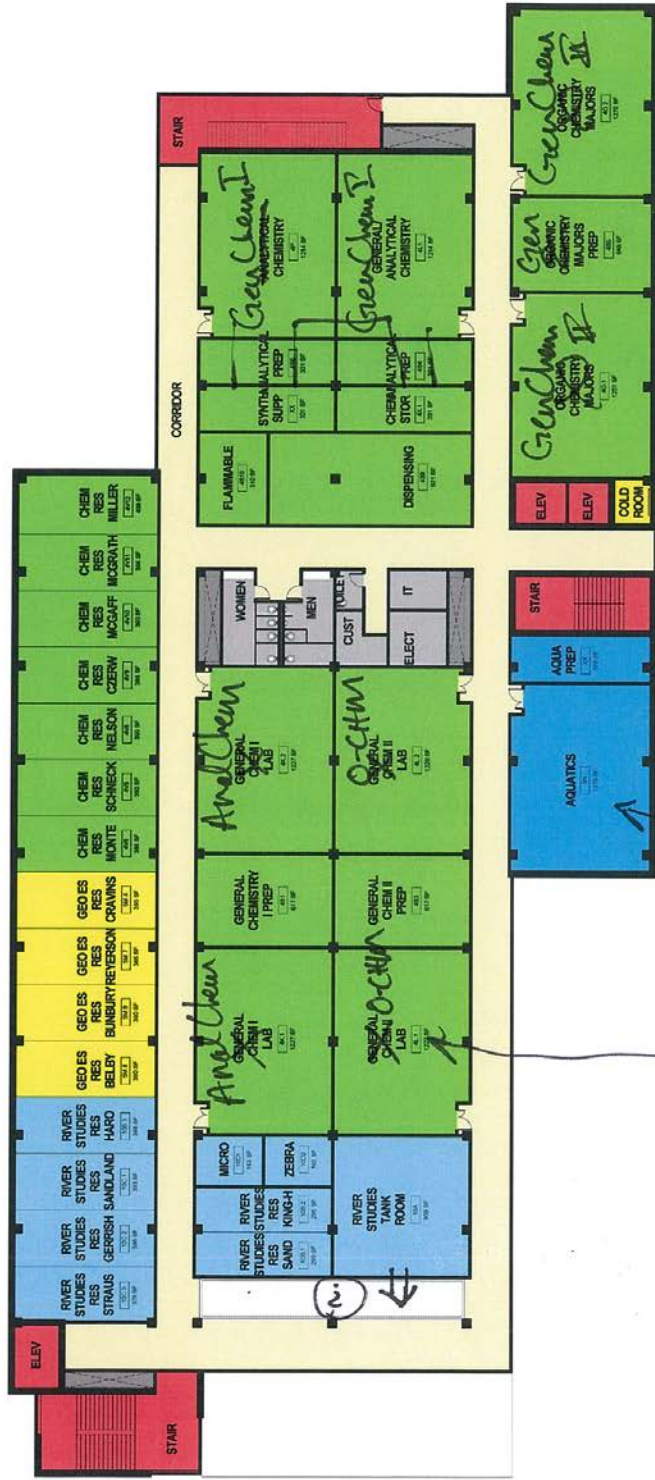
Confluence – Level 1



**Concept Design**  
 Confluence – Level 2



**Concept Design**  
 Confluence – Level 2 (Option) *Isolated*



*If this is Survey Organic then*

**Concept Design**  
 Confluence – Level 3

*Bioreactors (Schematics) Swap w/ Schemk on Level 2*

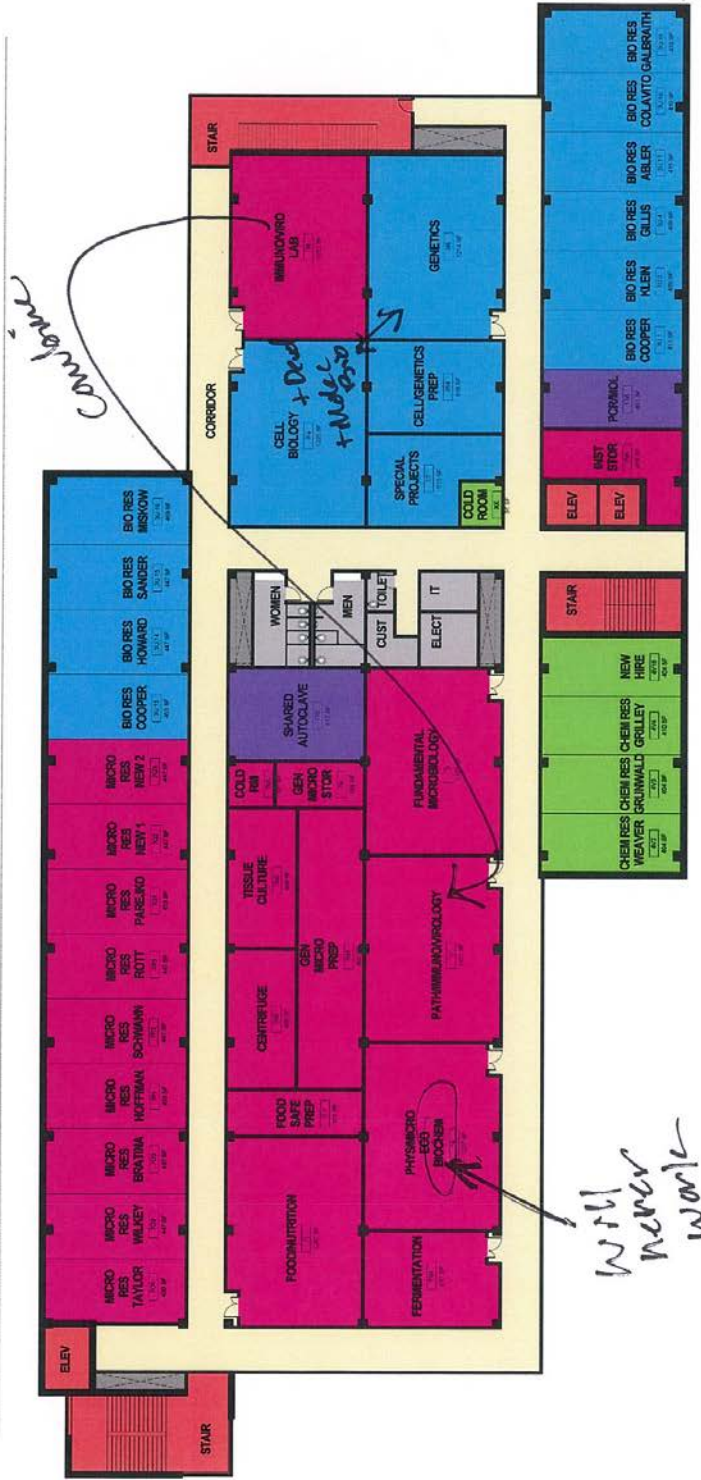






**Concept Design**  
 Confluence – Level 3 (Option)

**Concept Design**  
 Confluence – Level 4



**Concept Design**  
 Confluence – Basement

