

CS ENGINEERING MEETING NOTES

PROJECT: University of Wisconsin – La Crosse
PRAIRIE SPRINGS SCIENCE CENTER – PHASE II
La Crosse, WI

DFD PROJECT NO: 19G1J
RA PROJECT NO: 1290E

MEETING DATE: October 8, 2021

MEETING TIME: 8:30am-10:00am

ATTENDANCE:

Cathy Weiss	UW-System Administration	cweiss@uwsa.edu
Scott Schumacher	UW-La Crosse	sschumacher@uwlax.edu
Kenny Hunt	UW-La Crosse	khunt@uwlax.edu
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Chris Endicott	Ring & DuChateau	cendicott@ringdu.com
Krista Raver	Ring & DuChateau	kraver@ringdu.com
Jeff Saunders	Ring & DuChateau	jsaunders@ringdu.com

OVERALL PLAN REVIEW:

1. The overall plans of each floor level were presented. The following items were noted:
 - a. No comments.
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DESIGN REVIEW:

1. Program Summary:
 - a. The space tabulation for the CS Engineering area was provided as a reference. No comments.
2. Equipment list provided 10/4. Design team to review.
 - a. Send info to individuals on the call.
 - b. Equipment provided is per student station.
 - c. Wattage use of the equipment to be provided by UWL.
3. CS Engineering Lab:
 - a. Movable peninsula tables currently indicated.
 - b. Teaching wall located at north end. Sliding markerboards in front of storage area – will investigate.
 - c. Projection location desired at both north and south walls.
 - d. Lecture capture needed. Overhead camera also needed.
 - e. Teaching podium location to be verified. Movable podium desired. Equipment rack located at northwest corner. USB with HDMI port locations to be determined. Open space for demonstration is necessary.
 - f. Sink with knee space being provided at south wall. Shallow bowl sink sufficient.
 - g. Ceiling/wall mounted system for drone racks along east and west walls. Door height typically used.
 - h. Ceilings as high as possible.
 - i. Eight drone tracking cameras. 4 on east, 4 on west. Connected to PC. Camera system to be campus-furnished equipment.
 - j. Indoor, lab-only drone activity.
 - k. Electrostatic dissipating flooring required with grounding field. Grounding wristbands to be used – to be confirmed. Countertops to be electrostatic dissipating material. Chairs to be electrostatic dissipating material.
 - l. Adjustable height movable tables on wheels. Fixed casework along east, west, north, and south.
 - m. Owner-furnished, owner-installed equipment to be left out most of the time.
 - n. No ceiling service panels or power to be used per Scott.
 - o. Floor electrical hookups to be determined. Could be roughed-in for future.
 - p. If room is desired to be opened up for more space, there is no location for storage of the tables. Tables to include pop-up power outlets with cord to wall, under the counter.
 - q. Stool height stations per CS Engineering.
 - r. USB outlets to be included.
 - s. Cathy commented on budgetary issues.
 - t. Short throw projection may be necessary due to drone activity.
 - u. Recessed lighting to keep ceiling clear of suspended items.
 - v. Consider floor box at north and south end for teaching podium flexibility.
 - w. Consider movable furniture storage solutions in lieu of built-in casework at north and south ends.
 - x. Consider table solution along east and west walls (electronics workbench).
 - y. HVAC system requirements discussed. Design as classroom or lab space? What activities are happening that would drive lab exhaust type systems? UWL to review.
4. CS Engineering Clean Shop:
 - a. Electronics benches. Soldering at up to 8 stations. .

- b. Smoke absorber to be at each soldering station. Eight stations total.
https://www.testequipmentdepot.com/weller/fume-extraction/smoke-absorption/fume-extraction-benchttop-smoke-absorber-120v-20w-wsa350.htm?gclid=CjwKCAjw2P-KBhByEiwADBYWChTd3uVkg8Dy_X9XemKhSSzgBb9qifZ4aFU1glGE44O6WHnmU4u9thoC6MwQAvD_BwE
 - c. ESD flooring.
 - d. Power reel from ceiling.
 - e. 3D printer exhaust needed. Computer to be located near printers. Hood or backdraft solution discussed.
 - f. Sink required.
 - g. Consider locating printers along south wall or in front of window on a portable rack.
 - h. 3D laser printer currently not indicated in the plan.
 - i. 20 students using per semester for Capstone projects. Frequent use.
 - j. No filtration of supply air required.
 - k. Space is not intended to be thought of as a clean room.
5. Dirty Shop:
- a. Shared space among departments and programs.
 - b. Laser cutter could go in same room as CNC equipment.
 - c. Reconfiguration of entrance and elevator to be reviewed.
6. A copy of the presentation and additional notes can be found here: <https://river-architects.sharefile.com/d-s6142cafa77c94663a40710d212eadc1c>

SCHEDULE & NEXT STEPS:

- 1. Design team to revise plans based on discussions held.
- 2. Next meeting to be scheduled in 3 to 4 weeks to review specifics.
- 3. UWL to provide equipment selections and specs for the SmithGroup SharePoint site for all university-provided equipment.

ACTION ITEMS SUMMARY		
1	Provide photos of drone setup and related equipment.	UWL
2	Exhaust system requirements.	UWL
3	Reconfiguration of lab entrance.	UWL/AE
4	Equipment selections and specifications to SharePoint	UWL

Note: 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 if there are any discrepancies.