

Project Name UO Erb Memorial Union Renovation and Expansion
Project Number 110451
Purpose Technical Review – **100% DD Follow-up on MEPT issues**
Date and Time 21 January 2014 – 9:00 – 11:30am
Location Video Conference

Attendees	Name	Organization
	UO:	
	Fred Tepfer	UO, CPRE
	Gregg Lobisser	UO, Student Affairs, User Group Chair
	Dana Winitzky	UO, EMU Facilities
	Janet Svenson	UO, Capital Construction
	Martina Oxoby	UO, CPRE
	Del McGee	UO, Electrical
	David Flock	UO, EMU Facilities
	Mike	UO, EMU Facilities
	Contractors:	
	Kevin Butz	GSM
	Kyle Terry	OEG
	Mark Butler	LCL
	Mark Holligan	LCL
	Design Team:	
	Natasha Koiv	SERA
	Eric Philips	SERA
	Nathan Burton	SERA
	Margo Rettig	SERA
	Rob Schnare	Glumac
	Joshua Checkis	Glumac
	Todd Kolibaba	Glumac
	Ron Bayles	Glumac
	Jon Deleonardo	SERA

Discussion Items

1.0 Mechanical

- Discussed number of mechanical systems by major space type. Glumac to send simplified diagrams of systems to UO by end of day.
- Student street thermal comfort breakdown by days and hours requested by UO, Rob to check on status and send to UO.
- Discussed mechanical strategies at conference rooms for both peak load and light load conditions: systems and controls are designed to handle both effectively, UO comfortable with approach.
- Discussed conditioning of circulation/study space H200 Study/Collaboration. UO directed removal of chilled beams, retain heat and ventilation and provide hydronic stubs and capacity if needed in the future.
- Convectors located at full-height glass along North wing ground level façade are of concern from an energy loss standpoint. There was some difference of opinion regarding severity of this problem, but design team agreed to study options to address this concern along with the provision of power and data within student offices along the façade. These solutions along with other related topic diagrams to UO within one week.
- Discussion of possible gaps in current strategies regarding existing convectors. All are on a single loop, some are to be reused, some removed, and some just disconnected. Glumac to

send diagram of this situation for UO review and consideration by Monday 1/27. Existing convectors that still function may be near end of life.

- UO concerns with maintenance of in-floor air diffuser grilles using auto-scrubbers. Design team to study options to address this differently in conjunction with requests to remove floor boxes for power and data and provide in another way. Diagrams to UO within one week.
- UO to provide KWVA loads and markups for power, data and specialty connections.
- Discussion of controls. Glumac to start conversation with Siemens contractor contact from UO as well as Ernie Svenson on campus to learn more about current approach and standards on campus. UO to meet internally and provide direction to LCL and design team regarding open vs. closed control specifications and the implications that go along. This item is very urgent for LCL if spec is to be open.

2.0 Plumbing

- Explanation and discussion of proposed grease interceptor location near South lawn entry. Design team to coordinate and study further to provide plan and cut sheet information to UO within one week.
- Brief discussion of ongoing roof overflow question at existing building. SERA catching up with City. If required, external scuppers will be the design direction. If City allows new drain bodies without modification to existing piping or scuppers, a final decision about scupper provision will be necessary.
- Glumac to tour building with facilities to track existing fixtures to be demolished in 1970's building for SDC tracking. At the same time, existing fixtures to remain can be surveyed for flow rates and the back of house kitchen facilities can be reviewed for documentation and load calc purposes.

3.0 Electrical

- Design team is still working on proposal for hard to reach fixtures high in the student street including a life-cycle cost analysis of alternative(s). Results will be sent to UO for review.
- Life-cycle cost analysis has been performed for proposed T-5HO fixtures where higher output efficiency makes sense. Substitution request to be submitted to UO in 2 weeks.
- Per earlier discussions, design team to submit proposed solution(s) for power, data and air supply at areas with glass façade or seating in open floor areas in 1 week. Floor cleaning practices and general wear and tear make electrical floor boxes impractical and undesired.
- Design team to send computing/technology diagrams to UO for review. These are linked to the power/data studies and will be modified to coincide with those strategies.
- UO will provide UOPD feedback, site A/V markups, security camera coverage & locations, and WAP markups to design team. Date TBD.

4.0 Fire Protection – Design-build issues

- Not discussed