

Project Name UO Erb Memorial Union Renovation and Expansion
Project Number 110451
Purpose Technical Review – **Fire Life Safety**
Date and Time 18 July 2013 11:30 – 12:00
Location EMU Capital Construction Conference Room

Attendees	Name	Organization
	UO:	
	Gregg Lobisser	UO, User Group Chair
	David Flock	UO, EMU Staff
	Mike Kraiman	UO, EMU Staff
	Dana Winitzky	UO, EMU Staff
	Janet Lobue	UO, Campus Operations
	Jeff Madsen	UO, Campus Operations
	Drew Standridge	UO, ERS
	Fred Tepfer	UO, CPRE
	Martina Oxoby	UO, CPRE
	Consultant Team:	
	Natasha Koiv	SERA
	Eric Philps	SERA
	Nathan Burton	SERA
	Margo Rettig	SERA
	Samir Mokashi	Code Unlimited, via telephone
	David Bartley	Code Unlimited, via telephone
	Ron Bayles	Glumac
	Rob Schnare	Glumac

Discussion Items

1.0 Review of Project Approach to Fire Life Safety Systems

- Eric summarized updates to the project since the completion of the last phase. From a fire life safety perspective, the biggest changes relate to the introduction of a second stair in the north bar, to alleviate the atrium stair from being part of the egress pathways.
- Samir summarized the building code classification and the approach to creating a fire life safety plan. The building as currently designed is a Type IB structure, incorporating prescriptive path compliance strategies including fire curtains and horizontal exits.
- Samir presented plan to develop code plans for each project phase, and egress diagrams to reflect normal and after-hours occupation.
- Samir indicated that more study is required to determine the appropriate level of enclosure of the existing main stair, as it connects 3 stories.
- Samir indicated there is a potential the City may request an egress and smoke analysis if an Alternate Means and Methods approach is required for the atrium. Such a study is not included in the current scope of work, as it is anticipated that the atrium requirements can be met by prescriptive path.

2.0 Accessibility

- In cases where barriers cannot practicably be eliminated, written documentation is required.
- Confirm accessible after-hours egress. Possibly identify campus-defined areas of refuge or paths with UO ERS, project is not required to adopt area of refuge approach as defined by building code. Incorporated future flexibility where possible.

3.0 FLS Review with City of Eugene

- Need to schedule FLS approach and process review meeting with City of Eugene, particularly portions that impact the Craft Center scope.
- Revised atrium design is well received by UO, team needs to meet and strategize with ERS for City of Eugene review meeting

4.0 Fire Alarm Systems

- New Notifier fire alarm system will be provided throughout the building per code.
- Voice evacuation system is needed. It is acceptable to UO to use combination speakers for fire alarm and AV but the quality of sound for paging is typically very poor so these systems will likely need to be separate. Coordinate with separate audio visual scope to provide other function broadcasts – announcements, music, special event programming etc.
- Fire Command Center room is presently shown in NE area and would ideally house the main fire alarm panel. Clarify location of room, requested on program to avoid visual impact fire alarm panel in primary lobby spaces. Ideally room would be placed near main entry.
- Remote annunciator panels will be provided at various locations. UO will provide locations for non-typical spaces (facilities office, etc.).
- Project Phasing – Existing main fire alarm panel is located in the existing 1960 building and appears to work for project phasing.

5.0 Fire Sprinkler System

- Fire department connections: There are currently 3. Fire department connection locations. A single point connection is strongly desired by UO and the City. One connection existing to remain at the south loading dock, and one new connection at the addition, currently located at the northeast corner of the building. Weigh cost impact of providing interconnectivity against reduced testing requirements.
- The fire protection system is currently split into a south system and a north system. A dry pipe underground might work, but will be expensive. Probably 6" or larger. Not currently included in the budget.

6.0 Fire Truck Access

- Study fire truck access at north court and at south lawn. Discuss strategy with Drew and City of Eugene.
- Fred requested team be clear about program limitations with providing fire lane access on the South Lawn. Define program impacts at North Court as well. UO expressed preference for North side, over limitations to south side program.
- Fred indicated there already is a precedent project for a dead end fire lane on campus.

7.0 Hazardous Materials

- Drew requested that the team review materials that may be deemed hazardous, including the materials required for the Craft Center and materials stored in the Facilities and Maintenance shops. Team to reference the UO Environmental Health and Safety inventory of materials published as the Hazardous Materials Information Survey (HMIS).

Wrap-Up / Next Steps

- Design team to discuss smoke control products with UO (Dana and Drew)
- As phasing FLS plans are develop, include LCL for input.
- Drew to review code phase diagrams and provide input
- UO to provide guidance on preferred fire alarm panel, notified system and distributed auxiliary annunciator panel location.

End Time: 12:00pm

Recorded by: Margo Rettig

Date of Report: 07/24/2013