

MEETING NOTES

Meeting Date: Thursday, July 21, 2016 – 9:00 – 10:30am
 DFD Project Number: 14120
 Project: Wittich Hall Renovation
 Location: 153 Murphy, UW-La Crosse
 Purpose: MEP / FP Systems

Attendees/Contact Information:

Name	Company	Phone	Email
Cathy O'Hara Weiss	UW System Administration	(608) 263-4417	cweiss@uwsa.edu
Doug Pearson	UW-LAX Planning & Construction	(608) 785-8014	dpearson@uwlax.edu
Scott Schumacher	UW-LAX Planning & Construction	(608) 785-8916	sschumacher@uwlax.edu
Doug Pahl	Aro Eberle Architects	(608) 204-7464	pahl@aroeberle.com
Mike Eberle	Aro Eberle Architects	(608) 204-7464	eberle@aroeberle.com
Shannon Miller	Aro Eberle Architects	(608) 204-7464	smiller@aroeberle.com
Brad Biddick	Henneman Engineering	(608) 833-7000	bbiddick@henneman.com
Tim Cole	Henneman Engineering	(608) 833 7000	tcole@henneman.com
Jesse Fishman	The Sextant Group	(412) 323-8580	jfishman@thesextantgroup.com
Brad Delaney	UW-LAX – IT Systems	(608) 785-8109	bdelaney@uwlax.edu
Kenny Jessen	UW-LAX – IT systems	(608) 785-8022	kjessen@uwlax.edu
Dennis Rodenberg	UW-LAX – Facilities	(608) 785-8592	drodenberg@uwlax.edu
Daniel Kruger	UW-LAX – Facilities	(608) 386-1257	dkruger@uwlax.edu

The purpose of this meeting was to go through initial design concepts for the MEP/ Fire protection systems.

1. Mike went through an overview of where we are in the project schedule.
2. Doug went through a summary of the lower level plan showing plan locations that have been laid out currently for MEP rooms for equipment.
3. Doug walked through the other floors to show the general layout of the building. None of the current plans show any additional spaces for MEP on the upper levels, but those will be added as we get the plan further along.

Electrical Discussion:

4. Electrical transformer. If the transformer needs to be replaced, the preference would be to have it located in the building, and leave the switch location outside where it is currently located.

5. The building doesn't have a high need for 480v service. Building is at 208v and it should be kept at this.
6. Emergency power; no current generator for the building. Campus indicated that there was a desire for emergency power. It would be difficult to locate the generator inside the building. Design team to consider possibly connecting to an adjacent building that may have spare capacity with a feeder. Main or Cowley are not good choices. Centennial Hall should be looked at for spare capacity. Or take a look at Graff Main Hall and see if a larger generator could replace the existing to serve both buildings. Another option would be in the Lower level of the archeology building there is a coal bunker where a generator could be added for the archeology building and Wittich.
7. If only for Wittich the generator could be pretty small, possibly putting a natural gas one on the roof could be an option. Historic needs to be considered when adding something to the roof.
8. Life safety items, telecom, freeze protection, sump pumps, elevator, DDC, access control, fire alarm, IT systems; all these items would be on the generator.
9. UPS is provided by the campus as part of the rack.
10. Fire alarm Simplex system that is in the building is being phased out, but will be supported by Simplex for many years. Simplex 4100 is what is in the police building. Two options reuse the existing panel or replace the panel with the next generation panel. All of the equipment downstream; notification, speakers would be replaced. Campus opinion would be that the panel could be reused. However, it would be preferred to switch the campus backbone signal from copper to fiber.
11. With the inclusion of a sprinkler system, it is not required to add smoke detection. The campus preference would prefer to include it.
12. Lighting and lighting controls: LED fixtures are preferred. Offices should be simple, flat toggle with slider for dimming, no daylighting or occupancy sensors, avoid central relay system. A few locations will require additional lighting control similar to Lutron Grafik Eye. Applies to meeting rooms, computer lab. Automatic shutoff is going to be required by code. Occupancy sensors are fine, but the daylighting sensors are not preferred.
13. Lightning protection; all of the new buildings have it. It would be the campus' preference to include it. The team will include it for now, but it may be removed as we find out where the budget sits.
14. Electrically branch panels will be on every floor. Preference would be for a closet with doors, in lieu of a cabinet in the hallway. Accessible through public corridors or spaced not offices, study rooms or classrooms.

Mechanical discussion:

15. Chilled water main is located north of the building. Scott suggested it may be cost effective to run the chilled water on the east side of the building and punching through into the mechanical room in the lower level.
16. Natural gas generator, the natural gas would need to be added to the building.
17. Steam line comes from main hall.
18. VAV's per DFD will have 3 offices on the same VAV. Other common space types will share VAV's.
19. Fresh air will be pulled from the roof with a monitor similar to what is there.

20. Separate ductless split system units for the air conditioning Telecom Rooms. Condensers would be located in the basement mechanical room, not the steam room.
21. Not considering any other system at this time. VAV / hot water reheat with supplemental baseboard heating is an acceptable strategy. VAV's are being tied into the occupancy sensors. Offices seem to react quickly, classrooms are a little slower.
22. No individual thermostat control in the offices. Plus or minus a couple of degrees. Andover T80 slider, no display of the current temperature. This is integrated into the campus network.
23. Chilled water, steam and gas all metered over the Andover system. Campus to provide metering spec.
24. Andover is the campus standard with North American Mechanical as the vendor.

Plumbing Discussion:

25. Fire service will come in on the northeast side of the lower level plan.
26. Any sanitary will all be replaced outside and inside the building. If the slab is removed inside it will be removed below also, if not it will be cut and abandoned in place.
27. The storm and sewer is still combined. These will be separated as part of the project. Storm main is at the west side of the building.
28. Steam hot water for domestic is the preferred method by campus.
29. Water softening only required on the hot water system.
30. The roof drains will be replaced as part of the roof replacement.
31. Hardwired auto flush valves, auto sinks, bottle filler on the water cooler.

Fire Protection Discussion:

32. No fire pump is anticipated for the building at this point.
33. One zone on each floor, concealed heads, no specialty systems.
34. Wet sprinkler heads in the IT closets is acceptable.
35. No other sustainable items are being investigated at this point.
36. A preference for no fire curtains in the building was stated.

Information Systems Discussion:

37. Entrance to the building; currently fiber is more than 25 years old 62/5 multi-mode. Single mode from library to most buildings on campus. Single mode is currently in the building but has been a problem. There is a new fiber replacement project that will be done prior to this building starting construction. Wittich will have new single mode to the building. Current building entry is the southeast corner. If there is a location that is preferred it could be moved as part of the current IT project.
38. Project team will figure out where the best entrance to the building will be. The UW Lacrosse team will locate the new entrance to a manhole near the building. They will bring 72 strand fiber and 36 go to the library, 36 will go to Wing data center.
39. In the building all riser fiber wiring needs to be single mode fiber. MDF is located at the entrance, and the IDF's on the floors.
40. MDF in the basement is not a concern, sized at 10x10 or 10x12 should be adequate.

41. Telecom rooms on every floor will be required versus every other floor. The biggest driver of this is life safety. Central location for the IT rooms is a preference. 10x8 or 10x10 will be adequate. At least (2) data racks required in each IT room.
42. Telecom closets are keyed and entrance to them should be off the corridor. Andover and card access panels will be in the same room. 8x10 approximate size will fit two data racks.
43. VoIP is the standard. No color coding of jacks is required. CAT6 is the DFD standard. No brand is required.
44. Wireless access points, are (2) CAT6A per DFD standards.
45. There are some analog systems that will still require copper to the building. Elevator phone will require copper. Copper is existing to the building. Ideally the existing should be pulled back to the manhole and re-pulled to the building during renovation, but not required for construction purposes. 25 pair run through the tunnel to the main steam room.
46. Card access, main entry doors only. Owner supplied readers and power supplies, and control panels, wiring is per the project. Offices are keyed locks.
47. Security camera need is to be determined. The cable and jack would be part of the project, but not the equipment.
48. Clocks are by owner, battery operated, project can locate them, owner to provide and install them. Transmitter is close enough for proper signal.
49. No overhead paging is required. Other methods will be used.

Attachment: no attachment

Craig Weisensel – DFD – (608) 261-7754 – craig.weisensel@wisconsin.gov
Maura Donnelly – UW System Administration – (608) 263-5742 – mdonnelly@uwsa.edu
Bob Hetzel – UW-LAX –Administration – (608) 785-6491 – bhetzel@uwlax.edu
Laura Milner – UW-LAX CBA – (608) 785-8090 – lmilner@uwlax.edu
Ken Rhee – UW-LAX CBA – (608) 785-8095 – krhee@uwlax.edu
Matt Aro – Aro Eberle Architects – (608) 204-7464 – aro@aroeberle.com
Val Schute – River Architects – (608) 785-2217 – v.schute@river-architects.com
Mike Adler – River Architects – (608) 785-2217 – m.adler@river-architects.com
Bill Patek – SmithGroupJJR – (608) 251-1177 – bill.patek@smithgroupjjr.com
Nate Novak – SmithGroupJJR – (608) 251-1177 – nate.novak@smithgroupjjr.com
James Hall – Oneida Total Integrated Enterprises (OTIE) – (608) 243-6470 – jhall@otie.com
Greg Clark – The Sextant Group – (412) 323-8580 x127 – gclark@theextantgroup.com
Todd Kreps – The Sextant Group – (412) 323-8580 x101 – tkreps@thesextantgroup.com
John Bengston – Paulien + Associates – (303) 832-3272 – jbengston@paulien.com
Tom Middleton – Middleton Construction & Consulting – (414) 716-4400 –
tmiddleton@middleton-cc.com
Paul Martzke – Immel Construction – (920) 468-8208 – paulma@immel-builds.com