

MEETING MINUTES
Joliet Junior College - Auto Shop

KJWW #09.0445.00
April 28, 2010

MEETING DATE: April 23, 2010
LOCATION: KJWW Naperville Office
PRESENT: Lawrence Bacher - Gilbane
Bhini Jain - Gilbane
Mark Eklund - Wight & Company (Wight)
Jeff Burton - KJWW Engineering Consultants (KJWW)
Austin Rennick - KJWW
Daryl Humble - KJWW
George Karras - KJWW

ITEMS DISCUSSED:

1. Ceiling heights in classrooms will be 9'-8".
2. KJWW will provide gas-fired unit heaters at the overhead doors that blow into the space. These heaters will be placed on local thermostats.
3. KJWW stated that thermostats will only vary ± 2 degrees.
4. KJWW stated that the design temperature for the Auto Shop is 72 to 75 degrees.
5. KJWW explained that the original roof top unit (RTU) was gas-fired DX; however, no one does this correctly or can get the unit UL Listed. KJWW discussed using 90% efficient units, but only one manufacturer makes this unit; thus, it would need to be sole-specified. The 90% unit is required to obtain LEED Silver. It was decided that the base bid will be based on an 80% efficient unit and an alternate will be available for a 90% efficient unit, ultimately JJC will purchase the 90% efficient unit. KJWW to proceed in this direction. Wight to provide alternate number.
6. The classroom RTU did not change.
7. The Auto Shop RTU will most likely not change dimensions. KJWW will send final cut sheets to Wight.
8. Wight is to provide KJWW final U-Values.
9. Equipment near existing Mezzanine shall remain. Existing services (compressed air, electrical, etc.) will be reworked as required. Wight to provide sequencing of work.



10. Wight to double check with the College if any additional compressed air outlets are required besides the hose reels that are currently shown.
11. The sequencing of underground sanitary demolition and new work was discussed per KJWW's under floor plan. It was agreed the sequence suggested would be preferred and would reduce downtime. KJWW/Wight to verify existing invert elevations to coordinate feasibility with Gilbane.
12. Wight confirmed that Larson has reviewed the duct work layouts and is working on the truss webbing to allow for the duct work to be routed per KJWW's plans.
13. KJWW and Wight will review fixture carriers to be certain they work with low flow fixtures. Gilbane will send the submittal from when those carriers were installed to Wight for KJWW to use.
14. Insulation on water lines will not be PVC. Wight will coordinate painting requirements.
15. Secondary roof drains will not be used. Scuppers will be used.
16. JJC requested one hose bib on the roof.
17. Wight to send KJWW an updated site plan.
18. JJC prefers uplighting in the courtyard if the light pollution credit for LEED cannot be obtained.
19. Wight confirmed that the fixtures south of the Auto Shop parking lot can be 3'-0" off the curb.
20. KJWW should provide receptacles for power in the Courtyard. This can either be building-mounted or pedestals in the Courtyard. Building-mounted is preferred, which KJWW will proceed with.
21. Daylight harvesting should only be utilized in Customer Service Area 1083, Office 1082, and Classroom 1078. The daylight harvesting will only switch the lighting next to the windows on/off.
22. KJWW expressed concern with utilizing LED lighting for the task lighting above the workstations. KJWW recommends using fluorescent fixtures. Wight and Gilbane did not have an issue with this, but KJWW will contact Pat Van Duyne at JJC to discuss further.
23. Wight will send a new lighting layout to KJWW for Customer Service Area 1083.
24. Wight will create a detail of a Unistrut that is mounted to the underside of the trusses to suspend lights and data wiring from. Cable tray will not be required any longer.
25. The 'F8' fixtures on either side of the overhead doors are not required.

26. KJWW informed everyone that the auto shop will be controlled via time clocks and that occupancy sensors are not appropriate for the space.
27. KJWW informed everyone that the master lighting control switch for the auto shop, corridors, and customer service area will be located behind the customer service desk. Wight and Gilbane confirmed that this location is acceptable.
28. Lighting controls are as follows:
 - a. Occupancy sensors in classrooms
 - b. Time clocks in corridors, customer service area, and Auto Shop.
 - c. Timer switches in the IT Room and Electrical Room.
29. KJWW will install a lighting control device between the Auto Shop bays for additional control of the lighting.
30. KJWW proposed specifying two different LED fixtures; the Lunera pendant and the Versaline. Cut sheets and samples were provided for both at the meeting. Wight and Gilbane did not have any issues with the lights. KJWW will proceed with both.
31. A receptacle should be provided outside the main entrance to the Auto Shop and near the overhead doors on the east side.
32. Wight informed KJWW that a floor box should be installed in the classrooms at the teacher stations and the customer service area desk. The floor boxes in the classrooms should have power, data, and AV. KJWW will verify that the floor boxes are okay with JJC Maintenance Staff.
33. Wight informed KJWW that only receptacles are needed on the wall for the furniture in the classrooms.
34. Classroom 1078 cannot have receptacles on the north side of the room for the desks. Wight to confirm that floor boxes are not needed. KJWW does not show anything as of right now.
35. Wight informed KJWW that only one cord reel is required at each bay. This cord reel will be provided by JJC and plugged into a nearby receptacle at the work bench.
36. Wight informed KJWW that the hatch area in the middle of the Auto Shop requires a 220 volt cord reel. Every other hatched area requires 220 volt as well, but can be from the wall. Wight will get the NEMA rating for the receptacle from the end users.
37. Wight confirmed that each workstation should contain:
 - a. One quad receptacle.
 - b. One duplex receptacle for the Owner-furnished cord reel.

- c. One duplex receptacle for the computer. The quad KJWW is showing is not needed as only the computer and monitor will be plugged into this receptacle.
- 38. All requirements for the measurement and verification LEED Credit shall be shown on plans. There will be a deductive alternate for not providing the required equipment.
- 39. Data wiring from Data Room 1093 to the MDF Room shall be exposed in the existing Auto Shop and stubbed in the MDF Room from above the ceiling.
- 40. Burgler alarms are back in the project. KJWW will ask JJC where to tie the system.
- 41. KJWW stated that a camera will be located in the main entrance canopy.
- 42. KJWW should specify white or black cable in the Auto Shop in lieu of the standard blue cable.
- 43. Wight will send out an up-to-date LEED score card. Responsible parties shall review credits and comment as required.

The foregoing constitutes our understanding of the matters discussed during the meeting. Participants are requested to advise KJWW Engineering Consultants in writing of any corrections or additions within ten (10) days of receiving this document.

Prepared by: Austin Rennick, George Karras

AJR:GK/kjw

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cc: All Present