

FIELD REPORT-Mechanical

TO: Frank John di Stefano, ADG
CC: Cecilia Vaniman, MSU
Don Platisha, CMS

Date of Visit: 10/18/11
Project: MSU Cooley Lab Renovation
GDP Job No.: 100104
Location: Bozeman, MT
Contractor: Dick Anderson Construction, Tri-County
Mechanical, Williams P&H, Electro Controls
Present at Site: Don Platisha (CMS), Tim Tholt (DAC), Greg Schermele (DAC), Ray
Wagner (Williams), Larry (TCME), Dave Broquist (GPD),



Purpose of Visit:

The purpose of the visit was to check on construction progress, meet the contractors, conduct a brief walkthrough, and see if there were any new mechanical issues.

Project Status:

- Placement of structural steel on the roof appeared to be complete or nearly complete. Most of the south half of the roof decking has been placed. Mechanical work has not yet started on the roof.
- Mechanical work is continuing on the fourth floor where approximately 3/4 of the piping and the ductwork have been installed, most Phoenix air valves are in place and Electro Controls is installing conduit. Most or all walls are framed and sheet rock is being installed. The electrician has installed a great number of conduits.
- Work on the third floor is similar in nature to the fourth floor.
- The piping mains have been assembled down the hallway on the second floor and most branch piping appears to be in place as well now. Most or all walls have been framed.
- Limited MEP work has begun on first floor. Structural upgrades are ongoing, mostly in stairwells.
- The basement level slab has been sawcut extensively for placement of new waste and vent lines.
- Overall, the workmanship remains very good and work appears to be highly coordinated and orderly.

Items of Discussion:

- I discussed the steam piping that is intended for the temporary heat with Ray, Tim, Greg and Don. Ray had a schematic diagram worked up with cut sheets for the unit heaters and the steam trap. He is going to use the main 4" heating water risers to carry the steam and condensate. He will route the condensate back to the existing receiver/pump and then meter the condensate and return it to the pumped condensate main for the building. Ray had intended to use distribution pressure (40 psi) in the lines and a single trap at the base of the condensate piping riser. I indicated that would work

fine and that he would need a small drip trap at the base of the steam riser too. I had spoken with Loras earlier in the day about this system and he had mentioned that he would prefer the contractor regulate the pressure down to 5 or 10 psi to cut down on the amount of flash steam loss. I asked Ray if he could look into reducing the pressure and he indicated he would. DAC was in favor of this as well.

- Larry reported that he had been doing leakage tests on various sections of duct. A discussion should be had to clarify if this is intended to constitute the final duct leakage testing and, if so, a plan for GPD to review leakage calculations should be formulated and a means of properly and formally documenting tests and results put in place.

Deficiencies:

- No deficiencies were noted. All materials appeared to be per specification and in clean, new condition.
- As a reminder, the security of the pipe supports where services leave wall cavities should be checked before the sheet rock goes on. These must be very secure.

END REPORT