

# ***FIELD REPORT-Mechanical***

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

**Date of Visit:** 9/27/11  
**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, Don & Jake (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.

I arrived at the site at 10:00AM and departed the site at approximately 2:00 PM.

## **Project Status:**

- Demolition of the elevator was in progress and roof ballast was being removed. There is still some demolition to be done on the electrical service, parts of the basement slab and on the roof.
- Placement of structural steel on the roof appeared to be nearing completion. 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 2/3 of the ductwork has 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 but is a few weeks behind the fourth floor.
- The piping mains are being assembled down the hallway on the second floor and core drilling of the floor for piping is ongoing. Walls are being framed.
- First floor is empty with no ongoing MEP work noted. Structural upgrades are ongoing.
- The basement level slab has been sawcut extensively for placement of new waste and vent lines.
- Overall, the workmanship appears to be very good and work appears to be highly coordinated and orderly.

## **Items of Discussion:**

- Facility Services staff had conducted a recent walkthrough and noted that some of the Phoenix electrical boxes would be difficult to access. TCME will see if these can simply be turned 180 degrees and moved slightly to improve access.

- The waste and storm sewer system has become more confusing. I discussed with DAC and CMS the questions raised by the discovery of the interconnections between storm and sanitary services and the potential complications of what piping served the rest rooms between Cooley, ARC and Lewis. Don intended to research this on at Facility Services to see if he could find any applicable plans.
- I discussed with Larry the routing of ductwork in one location and the need to be sure we don't shorten the length of duct between the Phoenix valves and the GRD's unless absolutely necessary. He was going to discuss routing options with DAC as it pertained to notching steel stud framing.

**Deficiencies:**

- No new deficiencies of any kind were noted. All materials appeared to be per specification and in clean, new condition.
- 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.
- The relocated steam line at the elevator pit is clamped to strut on the wall which will (at least attempt to) restrict the thermal expansion of the pipe. This pipe should be hung from the structure above to allow thermal expansion.
- Insure that the PVC R-O water is adequately supported to prevent sagging.

**END REPORT**