

CONSTRUCTION OBSERVATION REPORT

Cooley Laboratory Renovation

Job No: 10-020

Date: April 11, 2012

Weather: Clear 46° F

Present:

Cecilia Vaniman, MSU

Don Platisha, CMS

Greg Schermele, DAC

Kirk Scheel, DAC

F.J. di Stefano, ADG

The following items were noted and discussed with the Contractor:

Mechanical Penthouse & Roof

Mechanical equipment piping and ductwork are in progress.

Overhead mechanical and sprinkler piping is in progress.

The slab remedial work has started.

GWB is in place and taped on the north and south walls.

Exhaust stack/shrouds are in place.

Roof purlins and metal roofing is progressing and is nearing completion.

Fourth Floor

Elevator lobby and shaft have been framed. Form deck is in place for concrete slab.

Lab casework installation: little activity was observed.

Electrical trim out is in progress. Cable trays have been installed in the corridor.

Fume hoods and BSC's need to be shrouded to protect them from the construction dust.

CMU has been sealed but the workmanship is not acceptable. CMS and MSU have rejected the work.

CONTRACTOR SITE OWNER ARCHITECT CONSULTANT OTHER



Third Floor

Elevator lobby and shaft have been framed. Form deck is in place for concrete slab.

Hollow metal frames at concrete walls are being grouted.

Lab casework installation: little activity was observed.

Walk in cold room (Rm 313) is in place.

Fume hoods and BSC's need to be shrouded to protect them from the construction dust.

Lab mock up benches and cabinets are getting very dusty.

Cable trays have been installed in the corridor.

Mechanical and electrical trim out is continuing.

Second Floor

Elevator lobby has been framed. Form deck is in place for concrete slab.

Ceiling grid has been installed in the offices on the south side of the building.

GWB has been taped and is ready for priming on the north half of the floor.

Painting is complete on the south half of the floor.

Laboratory casework has been staged in the offices.

Hollow metal frame at concrete wall east stair has been grouted.

The bolt heads for the frame of door 201 need to be counter sunk more to allow the head to be covered with "Bondo" prior to priming and painting. Alternatively, the heads can be ground so that they are recessed enough for the installation of body filler. (Section 08110 para 3.3.B.5.a refers)

Cable trays have been installed in the corridor.

Mechanical and electrical trim out is continuing.

First Floor

Elevator lobby and shaft have been framed. The concrete slab is in place.

Framing for the remedial work on the Lewis toilet room is in place.

Corridor framing is in place.

Review the removal of the existing fire extinguisher cabinet that is on the east wall of the new storage closets (Room 126)

Unit heater in same closet has not been removed.

GWB has been taped and is ready for priming throughout the floor.

No laboratory casework has been staged or installed on this floor.

Walk in cooler panels are stored in the labs on the Lab 109.

Mechanical and electrical rough in was continuing.

Basement Floor

Elevator lobby and shaft have been framed. The concrete slab is in place.

GWB in place in the laser labs.

Coiling door installation is substantially complete. We discussed cutting the chain shorter and Tim was going to look into that approach.

Door 001. Sheetrock was detailed to butt against the face of concrete as shown on details 3&4/A9.7. DAC decided to cover the existing concrete and end the sheetrock against the hollow metal door jamb. DAC advised that the edges of the existing concrete jambs were too irregular to use the details.

Mechanical room equipment has been placed, connections are in progress.

Exterior

Curtain wall framing is being installed. We reviewed the exposed edge of the concrete landings and requested that the concrete be left exposed but the concrete will need some cleaning before the glazing is installed.

Canopy framing over door 106 was in place. Scale of canopy as installed is appropriate.

Brick parapet and west gable end brick are in place. Dark brick offers a good contrast to the existing brick.

I confirmed that corrugated metal siding is not to be placed between the mechanical louvers on the south elevation. Metal matching the louvers is to be used.

General:

Concrete in stair well walls is showing shrinkage cracking.

Mock up for stair wall finish looks very good.

Reminder: electrical panels in exposed locations are to be painted to match the adjacent wall surfaces.

Outstanding Item:

DAC to confirm that the over cut electrical penetrations were patched on the backside of the GWB prior to placing the room side GWB to provide a backing for fire sealant.

END REPORT

Distributed via email