

# CONSTRUCTION OBSERVATION REPORT

## Cooley Laboratory Renovation

Job No: 10-020

Date: April 25, 2012

Weather: Clear 42° F

### Present:

Cecilia Vaniman, MSU

Don Platisha, CMS

Greg Schermele, DAC

Kirk Scheel, DAC

Tim , Tholt, DAC

F.J. di Stefano, ADG

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The following items were noted and discussed with the Contractor:

### Mechanical Penthouse & Roof

Mechanical equipment piping and ductwork are in progress.

Plenum sheathing and membrane floor are in place. DAC is reminded that the interior wall surfaces of the plenum are to be covered with galvanized sheeting.

Clean up in progress.

Overhead mechanical and sprinkler piping is in progress.

GWB installation at the east end and elevator shaft was in progress.

Concrete has been placed in the steel pan stairs from 4<sup>th</sup> to 5<sup>th</sup> floor. The specified casts in abrasive nosing's were not provided. DAC to propose alternative product/solution. Nosing's were required by MSU during design and we confirmed that they are still required.

### Fourth Floor

Elevator lobby GWB is in place. Concrete slab has been poured.

Lab casework installation: activity has increased.

Electrical trim out is in progress. Surface raceway is being installed.

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

First coat of "stucco" finish has been applied to the east stair walls.

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CONTRACTOR  SITE  OWNER  ARCHITECT  CONSULTANT  OTHER



### Third Floor

Elevator lobby GWB is in place. Concrete slab has been poured.

Lab casework installation: activity has increased.

Plywood sub-sills at exterior windows are in place and perimeter. Workmanship looks very good.

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.

Mechanical and electrical trim out is continuing.

### Second Floor

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

Plywood sub-sills at exterior windows is in progress on the north half of the building.

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

Lab casework installation: activity has increased.

Mechanical and electrical trim out is continuing.

### First Floor

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

GWB is ready for priming throughout the floor.

Laboratory casework is stored on this floor. No installation work has started.

Plywood sub-sills at exterior windows are in place and perimeter has been sealed. Workmanship looks very good.

Floor slab is being ground in Room 110 in advance of floor tile installation.

Mechanical and electrical rough in was continuing.

Painting is in progress.

### Basement Floor

Elevator lobby and shaft have been framed.

Taping of GWB is in progress.

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

### Exterior

Generator pad has been poured.

### General:

Fume Hoods and BSC's: I noted in my last report that the lab equipment was exposed to construction dust etc. and needed protection. LEC has weighed in and they suggest that some plastic sheeting be placed over the hoods. This is to ISEC's benefit, cleaning the sash tracks of construction dust it will take hours. The spec

(paragraph 11601,1.6,C) calls for protection "...use means necessary to protect work during and after construction".

Cable trays have been installed in the corridor. Finishing of the unistrut is covered in the painting section. The ends of the unistrut are sharp and will need to be filed prior to finishing. Finishing of the unistrut is covered in the painting section. MSU is willing to waive the painting if plastic end caps are provided at no cost to the contract.

The comment regarding the need to recess or grind the bolt heads at HM frames made in the last report needs to be expanded to the majority of HM frames installed at the stair landings of the east stair. (Section 08110 paragraph 3.3.B.5.a refers)

Record Drawings: Don has been monitoring the sets for the various disciplines and advised that the sets are being updated to reflect the site and scope changes. We discussed the process for recording the changes both on the prints and for providing electronic updates to facilitate the preparation of CAD files.

DAC to provide submittal for under counter refrigerator.

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

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