Carleton College
Science Building Complex & Utility Master Plan
Weekly Construction Update

TODAY’S DATE: January 3rd, 2018

Top Left: View of the East elevation. Berwald has begun installing standing seam metal panels.

Top Right: 1st floor lab casework has begun being installed.

Bottom Left: “Spaceship” overhead service carriers have begun being installed on 2nd floor.

Bottom Right: Looking West down the atrium corridor on 2nd floor. Corridor soffits are being wrapped up.
UPCOMING CONSTRUCTION ACTIVITIES: WEEKS OF JANUARY 7TH AND JANUARY 14TH.

Exterior Enclosure/Interior Buildout: On the exterior of the building, Berwald (metal panels contractor) continues installing the substrate for their metal panels on the atrium. They have begun installation of the standing seam metal panels this week. Commercial Roofing (roofing contractor) will begin first thing next week on the roofing substrate for Hulings roof to the North of the new atrium before shifting to the low roof at the east side loading dock. McGough’s masonry group is just about finished with exterior brick work before they move inside of the building to work in a few select areas on the exterior of Olin and Hulings located within the new atrium space. Twin City Glass (Glazing contractor) continues installing the aluminum snap covers creating the mullions between glass panes as well as installing their final bead of caulk around the perimeter of the glass on the East and West curtain walls. They installed sunshades on the south elevation windows last week. After they wrap up detail work on the South entrance and the East ear muff, they will continue to install clerestory windows at the penthouse level of the atrium as well as remaining punched window openings to completely button up the addition. The punched openings can easily be temporarily closed off to prevent heat loss and precipitation from entering the finished spaces. These windows along the South and East sides of the addition will be the last pieces to get installed. They are also preparing to begin setting interior aluminum frames.

Moving to the interior of the building, contractors continue working on the “dance floor” in the atrium as they continue ceiling work in the 3-story atrium space. Olympic is wrapping up spraying on fireproofing on the structural steel on the roof with only the north east corner remaining (they are waiting on this until they have access to this area without interruption of other contractors). This week, they are taping North side lab walls on 1st floor, taping walls in the office block on 2nd floor, sheet rocking soffits and taping walls in the lab area on 3rd floor, continuing to install the Glass Fiber Reinforced column wraps in the atrium, and framing walls in the basement. Next week, Gephart (electrical contractor) is installing receptacles and lights on 1st floor, installing lighting control devices, exit signs, and light fixtures on 2nd floor, and installing west lighting branches on 3rd floor. Harris is working on restroom water piping on 1st floor, east/west overhead plumbing piping on 2nd floor, heating main hangers, overhead plumbing, and restroom water piping on 3rd floor, piping, vent stacks and testing ducts in the penthouse, and setting overhead hangers and carrier groups in the basement. McGough’s carpenters are setting the door frames in the penthouse as well as installing backing within the stud cavities on 3rd floor. McGough’s concrete group is pouring stair 3 pan steps this week. Sonus (flooring and ceiling contractor) has begun ceiling grid installation on the 2nd floor lab areas this week. Cosney (laboratory casework contractor) brought in their first load of casework for 1st floor labs last week. They are continuing to install this casework in the 1st floor labs this week. Otis (elevator contractor) is working on Elevator B installation.

Work continues down in the East Energy Station with Harris and Gephart continuing to rough-in their HVAC pipes, ductwork, and electrical conduit. Since the East Energy Station is not only a mechanical room for the new science addition but also houses all mechanical infrastructure to support the campus-wide geothermal system, the buildout of this level is a huge undertaking and will take an incredibly long duration to complete (these activities will likely be ongoing until late spring of 2019). In addition to the work noted above in the new science addition, McGough has wrapped up winter break work inside Olin and Hulings. McGough coordinated with the City of Northfield and Carleton to maintain code compliant egress at all time throughout this work. McGough and Carleton will issue this logistics map for faculty and students to utilize during this period highlighting safe routes in, out and around the two buildings.
The campus, and surrounding neighborhoods, can continue to expect heavy multi-axle truck traffic next week as we continue to move material to and from the project site along Olin Road. As Twin City Glass continues their window installation, they will have large deliveries for the next several weeks until the building is fully enclosed. Given the small laydown area we have to work with, there is not adequate room to stage large quantities of material onsite at any given time. This requires all vendors to coordinate “just-in-time” deliveries with the McGough Superintendents and Foremen in order to create an efficient and effective delivery and installation work flow. Project team members are utilizing a small “boneyard” at the base of the tower crane where they are storing the steel going in that same day. As always, safety is our #1 priority on this project and all McGough projects alike. We strive to make sure every worker, faculty member, and student goes home safely each and every night. We have installed temporary provisions to protect all students and faculty from the increased traffic. We implore everyone to practice “Heads up Commuting” while walking or biking in this area. If you have any ideas on how to improve any of these safety measures as you come upon them, please speak up! Additionally, please feel free to tune in to Carleton’s live webcam to view our progress at the following web address: [https://apps.carleton.edu/campus/doc/Sci_Plan_Const/Updates/](https://apps.carleton.edu/campus/doc/Sci_Plan_Const/Updates/)

**Week of January 7th** — 1st floor lab doors and hardware. 2nd floor interior aluminum windows. 2nd floor lab light fixtures and devices. 2nd floor office paint. Tape and mud atrium ceiling soffits.

**Week of January 14th** — Basement backing and blocking. 1st floor mechanical, plumbing, and electrical connections at casework. 1st floor interior aluminum windows. 3rd floor office sheetrock.

**Upcoming Owner Coordination Items:**

- **Olin**
  - Winter break work
    - Repair existing brick (South, East, and West facades)
    - Relocate roof screening wall
    - Complete CS Box structure (3rd Floor and roof)
  - Demo 2nd Floor exterior façade (East ear muff)

- **Hulings**
  - Interior build out at new 2nd floor infill where stairwell existed
  - Complete penthouse work (Roof)
This and next week’s highlighted focus:
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1st fl Interior Sequence

Atrium
Labs
Geo/Rec/Stor
East
West
North

McGough