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

TODAY’S DATE: November 15th, 2018

Top Left: Twin City Glass is working on setting the curtain wall at the main entrance on the South side of the Addition.

Top Right: TCG has almost finished glazing the curtain wall at the West Ear muff of the atrium.

Bottom Left: Sheetrock is wrapping up on the 1st floor as tape and mud will begin in the next couple weeks.

Bottom Right: 2nd floor framing and M & E rough-in’s in progress.
UPCOMING CONSTRUCTION ACTIVITIES: WEEKS OF NOVEMBER 19TH AND NOVEMBER 26TH.

Interior Layout/Exterior Enclosure: Contractors have begun utilizing the “dance floor in the atrium to begin ceiling work in the 3-story atrium space as Olympic is installing clips and brackets on the steel in the atrium prior to beginning fireproofing of the structural steel in the atrium this week. Olympic is continuing to work on exterior metal stud framing and sheathing (this will be ongoing until the entire exterior of the building is weather-tight and fully enclosed; currently approximately 98% complete). They are continuing to install the GFRG column wraps in the atrium (glass fiber reinforced gypsum). They are moving full steam ahead with framing on the 2nd floor of the addition as well as beginning framing on the 3rd floor. Olympic is sheetrocking walls and soffits on 1st floor of the addition as well as select areas on the 2nd floor. Swanson and Youngdale (air, vapor barrier, expansion joint, and waterproofing contractor) continues to button up the exterior air barrier before metal panels can be attached to the building. As they stand right now, they are approximately 96% complete on exterior air vapor. Gephart (electrical contractor) is continuing in-wall and above-ceiling rough-ins on the 2nd floor. Harris is continuing HVAC in-wall and above-ceiling rough in’s on the 2nd floor as well as HVAC duct work and mechanical piping installation on the 3rd floor. McGough’s carpenters are setting the door frames on the 2nd floor as well as installing backing within the stud cavities on 2nd floor.

McGough’s masonry group continues around the South elevation of the building as they are working diligently to wrap up their brick work ahead of the chilly winter months ahead. Work continues down in the East Energy Station with Harris and Gephart continuing to rough-in their HVAC pipes, ductwork, and electrical conduit. Being that 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). Twin City Glass (Glazing contractor) continues glazing windows on the West elevation atrium curtainwall, as well as glazing the South punched windows looking to the large Mudd oak on the East end of the Addition. TCG is also beginning to install the north curtain wall of the east ear muff this week. McGough has put the finishing touches on the mockup room and has scheduled meetings with Carleton faculty to walk through the room later this month to correct/change any design or construction related issues before beginning final installation of finishes throughout the building. In addition to the work noted above in the new science addition, McGough is assembling a list of rooms and areas where we intend on completing work within Olin and Hulings over the winter break time when classes are not in session in order to bring the Science Addition online next summer. After this list and scope has been finalized, it will be issued and communicated to faculty, so everyone knows where we intend on executing this work and everyone can plan accordingly. McGough is coordinating with the City of Northfield and Carleton to maintain code compliant egress at all times 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. In conjunction with the science building, Purgerite was here last week and complete a fill/flush/purge test of the entire geothermal bore fields system helping to identify any possible leaks in the system before we fire it up in perpetuity in spring 2019.

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. Now that Twin City Glass has begun their curtainwall and window installation, they will have large deliveries for the next several weeks until all of their material is brought to the site. 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. McGough’s masonry group is 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/


Week of November 26th – Brick veneer at the loading dock begins. Atrium soffit framing begins. Atrium clerestory window glazing begins.

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)
  - Winter break work
    - 1st floor VAV work in misc. rooms (in-ceiling VAV’s are getting replaced)
This and next week’s highlighted focus: