Top Left: Spray-applied vapor barrier has covered most of the South elevation.

Top Right: Harris (mechanical) works to install horizontal water lines in the copper piping on 1st floor.

Bottom Left: McGough’s masonry group has begun installing granite and stone (refer to bottom right of picture) with the help of a hydro-mobile.

Bottom Right: Gephart (electrical) set their 22,000lbs switchgear in EES on Thursday morning.
UPCOMING CONSTRUCTION ACTIVITIES: WEEKS OF SEPTEMBER 3RD AND SEPTEMBER 10TH

Interior Layout/Exterior Enclosure: Structural steel erection is 100% complete – WOOO! What an accomplishment for the entire project team! Exterior and interior work has officially commenced. Danny’s Construction has finished erection of the new CS Box that will cantilever out from the 3rd floor of Olin into the new atrium. Detailing and metal decking is approximately 95% complete. Olympic Companies (framing/drywall contractor) has almost wrapped up shooting clips and laying out studs in the penthouse of the new addition ahead of their fireproofing. They are continuing to fireproof level 4 and basement structural steel located on the interior of the building (approximately 85% complete). They are hard at work on the exterior metal stud framing and sheathing of the exterior façade as well as installing the level 1, 2, and 3 separation shaft walls parallel to Hulings and prior to West shaft duct work. They are also begun to frame, top off, and fire tape on 1st floor – needless to say, they are staying awfully busy right now with a crew size of 26 workers, comprising the largest workforce from one subcontractor currently onsite! Swanson and Youngdale (air, vapor barrier, expansion joint, and waterproofing contractor) has been following Olympic closely behind by spraying the exterior sheathing with a spray-applied vapor barrier (as seen in picture 1 on page 1).

Ahead of classes beginning, trades worked feverishly to wrap up underground utility work around the loading dock on the far East side of the building, between the new addition and LDC (known onsite by workers as “King’s Landing”). After Bolander was finished grading the area, Bituminous Roadways (asphalt paving contractor) came through this past Saturday and paved out the entire loading dock allowing food service vendors to access the LDC dock, allowing them to stock up on food and beverages for the first week of fall semester. Harris (HVAC contractor) continues running shaft ductwork from the Penthouse down to the basement this week. As seen on the second picture of the first page, they are beginning to run horizontal water lines through copper piping on the 1st floor of the new addition. McGough’s masonry group has mobilized and commenced their work on the new building (see pictures of granite and brick in picture 3 on page 1). The most efficient way for multiple bricklayers to work on in unison is by using a hydro-mobile lift; this lift is essentially a big platform that moves vertically up and down at the push of a button. Work continues down in the East Energy Station with Harris and Gephart (Electrical subcontractor) continuing to rough-in their pipes and electrical conduit. Gephart dropped their electrical switchgear into the EES (see picture 4) using an enormous 550-ton mobile crane. The switchgear is the most critical electrical component in the entire mechanical room. It is a large box shaped piece of equipment that is the combination of electrical disconnect switches, fuses, or circuit breakers that is used to control, protect and isolate mechanical equipment. In addition to the science building, we are continuing to drill vertical wells for the campus-wide geothermal heating and cooling system at the Bald Spot. In anticipation for students returning to campus, all trades worked long hours to get excavations at Gridley corner, Nourse parking lot, and Evans Hall filled back in and reopened to the campus.

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. Please note that steel erection, although finished, will continue to have delivery trucks make daily visits until the building is completely decked and detailed in the next couple weeks. Given the small laydown area, there is not adequate room to stage large quantities of material onsite at any given time. This requires our 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. Now that steel erection has wrapped up, the largest deliveries that will make regular trips to the site are brick, granite, block, and mortar until the brick has finished on the exterior of the building. They 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. McGough takes safety very seriously and we strive to make sure every worker 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 September 3rd – Happy Labor Day! Students arrive back on-campus on 9/4. Geo well drilling process continues this week as well as wrapping up Volume 0 and the master utility plan process for Volume 1. Brick veneer will continue as well as west metal stud framing, west in-wall rough-in, and West door frames will begin to be installed. Erect café steel on the 1st floor of the addition. Exterior scaffold will go up on the south elevation.

Week of September 10th – Geo well drilling process continues this week as well as wrapping up Volume 0 and the master utility plan process for Volume 1. Brick veneer will continue as well as exterior metal stud framing, interior metal stud framing, and East door frames will begin to be installed.

Upcoming Owner Coordination Items:

- **Olin**
  - Completion of interior finishes of the Olin East ear muff (8/13-8/31)
    - Work to be performed outside the rooms. Noise and vibrations could affect the east corridors on all levels and rooms 116, 210, and 312.
  - Roof exhaust fan relocation (on schedule)
    - EF-5 rooms B02, 4, 6 and 8 (Complete)
    - EF-3 rooms 306 and 308 (8/27/18-8/31/18)
    - EF-9 rooms B10, 12, and 14 (8/27/18-8/31/18)
    - Limited Access to room 310 (8/27/18-9/05/18)
  - Drill/Anchor curtain wall support angles at CS Box into Olin concrete beams (TBD)
    - All work to be done outside the rooms. Noise and vibrations could affect rooms 208, 210, 308, 310.
  - Complete ceiling grid at temp wall in room 308 and 310 (Complete)
    - Work occurs within the rooms. McGough to confirm date with Carleton. Equipment to be moved or protected as required.

- **Hulings**
  - Complete ceiling grid at temp wall in 300 (Complete)
    - Work to be performed within the room. McGough to confirm this date with Carleton. Equipment to be moved or protected as required.
  - Demo/Install brick at North Egress stairwell windows (8/28/18-9/4/18)
    - All work to be performed outside of the rooms. Noise and vibrations could be heard within the stairwell.
  - Demo/install brick at North intersection of Addition and Hulings (9/4 – 9/7)
    - All work to be performed within the room. Noise and vibrations could be heard in rooms 300 and 303D.
  - Complete ceiling grid at temp wall in 300 (Complete)
Work to be within the room. McGough to confirm this date with Carleton. Equipment to be moved or protected as required.

This and next week’s highlighted focus: