Construction Update #47 – Two-week Look-ahead for February 8th, 2017

The Tupper Building and the Clinical Research Centre are underway with an innovative program of energy retrofits. The work has been developed with Dalhousie’s partner for sustainability and infrastructure renewal for the project, MCW Custom Energy Solutions.

The following work will be occurring over the next two weeks.

10th Floor, Section #2 – West
(Rooms #10 A01-A07, B01-B02, C01-C06, D01)
- Move out: Wednesday January 4, 2017
- Construction: Thursday January 5, 2017 to Tuesday February 21, 2017
- Floor Waxing: Tuesday February 21, 2017 + Wednesday February 22, 2017
- Move Back: Thursday February 23, 2017 morning
- Recertification BSC’s: Thursday February 23, 2017 afternoon

10th Floor, Section #3 – NE
(Rooms #10 H01-H04, J01-J02, K01-K02, L01-L03, M01-M07)
- Move out: Friday January 13, 2017
- Construction: Monday January 16, 2017 to Wednesday February 22, 2017
- Floor Work (Buffing or waxing): Wednesday February 22, 2017 + Thursday February 23, 2017
- Move Back: Friday February 24, 2017 at 8:30 am
- Recertification BSC’s: Friday February 24, 2017 afternoon

10th Floor, Section #4 – SE
(Rooms #10N, 10N02, 10P, 10R)
- Move out: Friday February 10, 2017
- Construction: Monday February 13, 2017 to Friday March 10, 2017
- Floor Work (Buffing or waxing): Friday March 10, 2017 + Monday March 13, 2017
- Move Back: Tuesday, March 14, 2017 at 8:30 am
- Recertification BSC’s: Tuesday March 14, 2017 afternoon

14th Floor, Section #2 – NW
(Rooms #14B, 14C, 14D, 14E)
- Move out: Friday February 10, 2017
- Construction: Monday February 13, 2017 to Friday March 10, 2017
- Floor Work (Buffing or waxing): Friday March 10, 2017 + Monday March 13, 2017
- Move Back: Tuesday, March 14, 2017 at 8:30 am
- Recertification BSC’s: Tuesday March 14, 2017 afternoon
**Chilled Water System**
Replace one chilled water pump and add variable speed drives to the other three pumps. This change will allow the chilled water distribution loop to respond to actual cooling demand requirements.
- Testing and verification underway to commence operation of the system.
- Final controls for conversion from constant volume to variable volume.
- Programming changes to sequence pump operations.
- Change over from domestic hot water to chilled water on various floors.

**Energy Exchange System**
Continuing work on new piping system throughout building to recover and redistribute heat.
- Testing and verification underway to commence operation of the system.
- The existing cooling equipment for air conditioners and freezers that is currently water-cooled will be scheduled to be converted to the central energy exchange system.
- Piping work in the basement and sub-basement occupied spaces.
- Change over from domestic water to the energy exchange system on various floors as per the dates below. This work will affect lab equipment that has specialized cooling such as freezers, refrigerators, air conditioners and heat pumps. Hussmann will be on site for the initial changeover of this equipment. Please notify Greg McNutt or Iain Symington of MCW if you experience any issues with these items during or after the change-over. The changeover work will occur in the mechanical rooms, and affects the cooling equipment.
- The following areas are to be coordinated:
  - 4th & 10th Floor – Equipment Rooms - Dates to be confirmed

**AHU Shutdowns**
A shutdown of the Air Handling Units in the Tupper Building is required to facilitate the installation of an air flow station to measure air flow, and also to install an updated control panel. In addition, a second separate shutdown is required to replace the motor and install a variable frequency drive (VFD):
- Air Flow Stations and Control Panels – All floors have been completed.
- Motors and VFDs – The duration of work will be approximately 10 hours. The air handling unit will be fully off for 8 hours, and intermittently available for the 2 hours as the system is brought back up and testing is completed.

The working areas are full MCW construction zones. Full PPE and MCW safety orientation required past any perimeter construction signage in the working areas.

For any issues that may arise during the course of this work, please contact Dalhousie University, Senior Project Manager, Capital Projects, Peter Cherry at 902-494-4254, or MCW Custom Energy Solutions, Iain Symington, Project Manager, at 902-403-1054.