

Building Report | Life Sciences Façade & Addition

11.10.17

The following are pictures from the week of Nov. 6 - 10, 2017 in regards to the Life Sciences Building Façade Improvements & Addition Project. There was a lot progress with past week with the installation of the steel supports for the sunshade system for the south face of the building. With the arrival of some of the panels for both faces the finishing of the support steel is very timely. There was also a lot of preparatory work that was finished in regards to the roof system for the addition. The remainder of the metal decking was installed and cut to size, welded, and it is now ready for the concrete roof slab to be placed next week along with the floor slab. Originally the contractor was going to place the two slabs on different days, but in the interest of less site disruption and commodity of savings both will be placed at the same time.

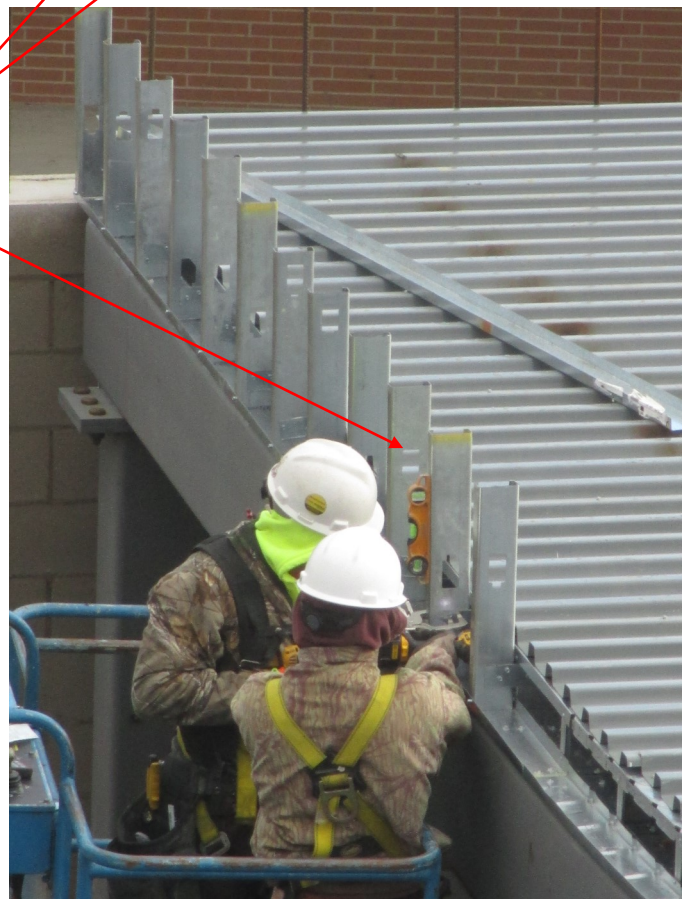


The top-left photo shows an ironworker welding the sections of metal decking for the roof of the addition. The pieces of metal decking are welded together and to the support bar joists.

The top-right photo shows the finished metal decking for the addition roof system. The necessary preparations, such as wood blocking, are being done to the roof in order to place the concrete slab on top about the middle of next week.

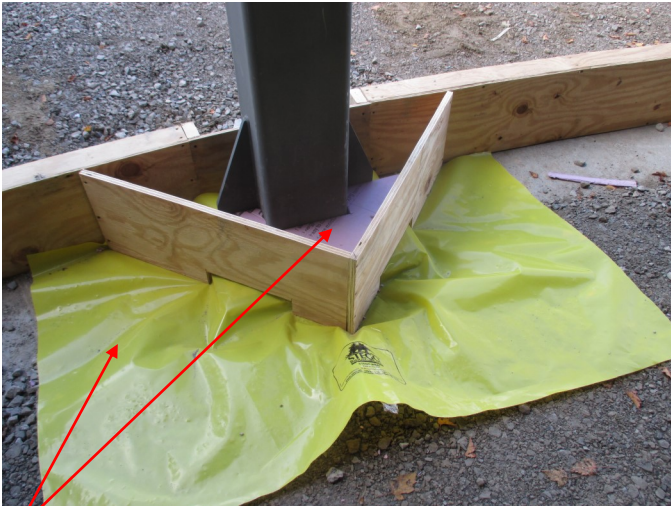
The bottom-right highlights the progress of the installation of the light-gauge metal framing for what will be the parapet wall on the curved face of the addition.

The bottom-left photo shows the progress of the installation for the support system for the new sunshades on the south face of the building. This system is different from that on the north face and will have both vertical and horizontal members that combined will act as a passive solar system and increase the efficiency of the building's HVAC systems.



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11.10.17 [cont.]



The top-left photo highlights some of the preparation work happening prior to the installation of the concrete floor slab next week. Here you can see some wood blocking that will allow the slab around the column and for the floor to be physically separated and therefore allowed to act independently to avoid unnecessary cracking. The yellow film shown is the vapor barrier which will help block moisture from infiltrating the addition through the floor slab. There is also rigid insulation being installed along the perimeter of the addition to assist in the heating of the space.



The top-right photo shows the expansion joint board that has been installed to assist the floor slab where it meets the exterior wall from cracking issues.

The bottom-left photo highlights the progress of the installation of the under slab electrical for the addition. Here you can see the floor outlet box and associated conduit in place and ready for the slab to be placed. These boxes will help to power the furniture in the addition where the students can charge their electronic devices.

The bottom-right photo shows some of the additional brick veneer masonry repair work happening as part of the project. Here the cracked brick is being replaced with new brick to match.

