

# Building Report | Life Sciences Façade & Addition

10.26.17

The following are pictures from the week of Oct. 23-27, 2017 in regards to the Life Sciences Building Façade Improvements & Addition Project. Despite the rainy weather this week a lot of structural steel for addition was successfully installed. All of the bar joists for the roof have been set in place and the required bracing is being installed. Once the bar joists are properly reinforced and supported the roof deck will be attached. The columns and roof support for the entry has also been installed. As early as next week the support steel for the shade systems on the south face will start to go up. However, the contractor has to finish the install of the corresponding steel on the north face of the building. Once the structural steel is finished the framing for the exterior walls of the addition will start to be installed as the contractors push to get the addition enclosed as winter weather conditions are fast approaching!



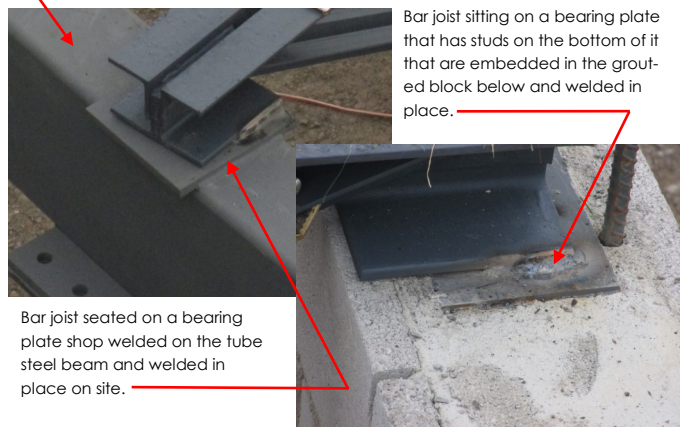
The top-left photo shows the progress of the installation of the open-web bar joists that will support the roof for the addition. You will notice that the bar joists rest on either the new concrete block wall or the new support steel that way they don't add any load to the existing building which might cause damage.

The top-right photo shows one of the ironworkers welding one of the roof bar joists in place to the support tube-steel beam.

The middle-right photo shows the progress of the detailing that is taking place for the roof bar joists. Here you can see the cross bracing that reinforces the joists and keeps them from rotating when loads are applied.

The bottom-right photos are enlarged to show the bearing connections for the new bar joists.

The bottom-left photo is of the steel framing for the entry for the addition.



Bar joist sitting on a bearing plate that has studs on the bottom of it that are embedded in the grouted block below and welded in place.

Bar joist seated on a bearing plate shop welded on the tube steel beam and welded in place on site.

