

# Building Report | E/W Tech Renovations & Addition

8.30.19

The following are pictures from week of 8.26.19 - 8.30.19 in regards to the East/West Technology Buildings Renovations and Addition Project. We have hit another milestone with this project as all of the major structural support steel for the addition is now complete. However, there are at least two to three weeks worth of framing installation left to do until items such as the roofing, curtain wall system, etc. can be installed which will help weather-proof the addition. A major part of the work that will be happening in these buildings that is a separate project that coincides with the construction happening now is the existing domestic hot and cold water pipe lining which will start next week with mobilization and last all the way to the end of the year. Similar to the addition of the whole building fire sprinkler system the E/W Tech buildings will be the first of the original buildings on campus to have all of existing domestic water piping system to be epoxy lined that will help solve many legacy issues for the College, and eliminate yet another deferred maintenance item.

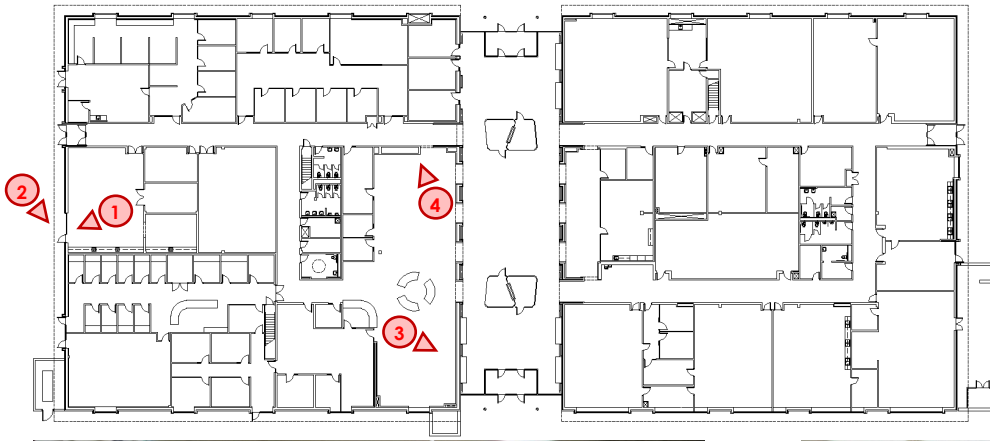


Photo #1 shows the beginning of the demolition to create the opening for the new overhead and service doors for future Innovation Lab, and Photo #2 was taken from outside the building after the work was completed. The temporary support poles will be removed once the new steel lintel has been installed. Photo #3 in the area of new Open Tutoring Lab in West Tech. You can see in the photo the metal furring studs have been installed, the openings for the spiral duct have been cut through the existing wall, and the new spiral duct that will feed the addition is sitting and waiting to be installed. Photo #4 shows some of new brick work that has been installed that is helping to trim up areas where old walls were removed as part of the renovation process.



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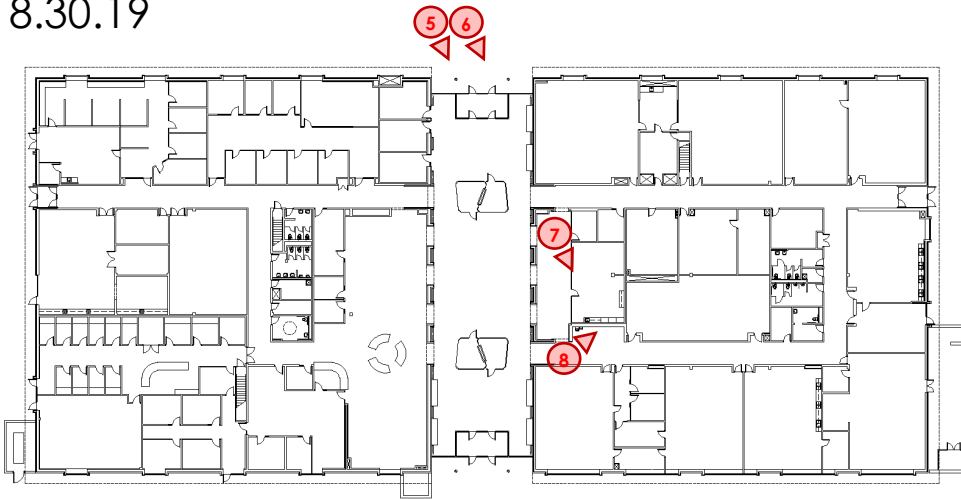


Photo #5 shows the ironworkers completing the structural support steel for the addition. This work is now complete, and now the carpenters can complete their portion so that the roofers and glazers can then install what they need to enclose the addition. Photo #6 is a closeup of some of rough framing on the high bay of the addition where the future clerestory windows will be installed. Photo #7 is in East Tech and shows the wall studs and door/curtain wall frames now installed in the staff co-working center. Photo #8 is of the now completed concrete block wall that encloses the future Vending Area in East Tech.





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Photos #9 and 10 show the progress of the installation of the new south wall in the northeast classroom that will help extend the main circulation route to the east side of East Tech. This new area of corridor will create a straight east/west means of travel through the finished building. Prior the corridor used to dead end into an old classroom wall. Now someone will be able to travel all the way from Parking Lot 7 straight through to the Administration Building. Photos #11 and 12 show the masons filling the openings that were for the old staff offices that were removed in East Tech. This area where the old corridor used to exit the building will now become a storage room that will be dedicated to the adjacent art classrooms.



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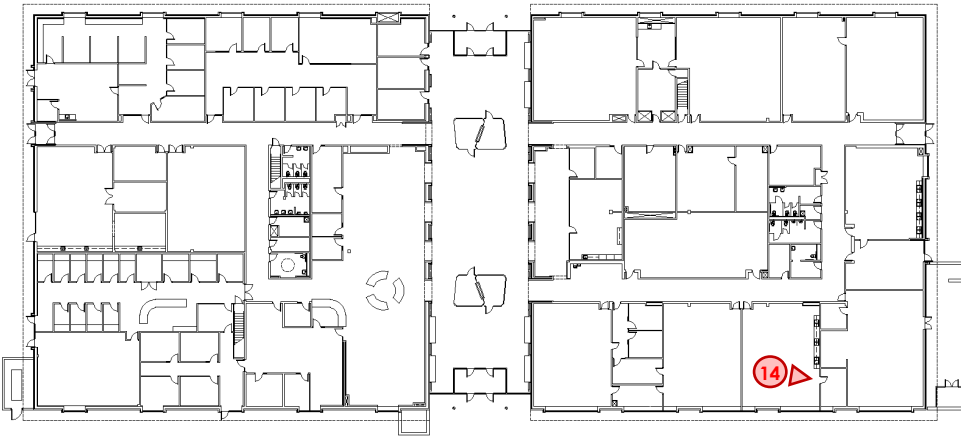
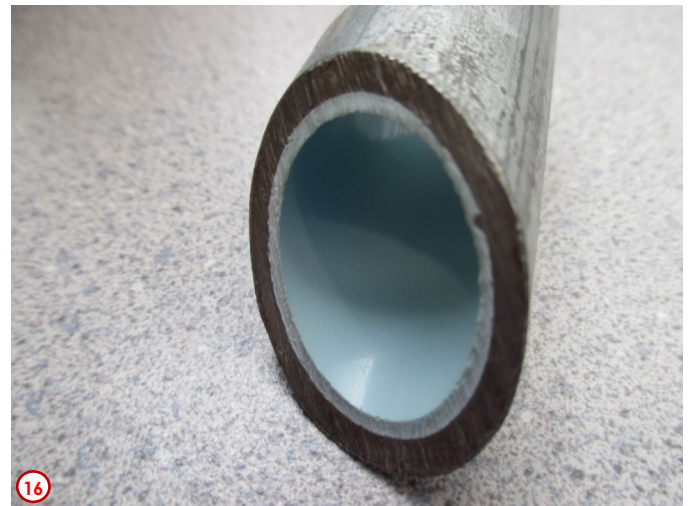


Photo #13 was taken in the West Tech Basement Electrical Room. Here the electrical contractors are removing old panels and beginning the installation of new infrastructure that will power the renovated areas in East and West as well as the addition. Photo #14 shows a temporary electric water heater that was installed that will service the adjacent Ceramics Lab for the next few months. This unit was necessary during the time period of the aforementioned domestic hot and cold water pipe lining project. Once the pipe lining is completed this water heater will be removed. Photo #13 shows one of the first of hundreds new fire sprinkler heads to be installed during this project. Photo #14 shows an example of how the existing domestic water lines will be epoxy coated (essentially spraying a new PVC pipe inside an existing pipe).



Note: The light blue coating in this example photo above is what will be done throughout E/W Tech to all of the existing domestic hot and cold water lines. The existing lines are flushed, dried, scraped with an abrasive scrubber, and then finally lined. This process, though quite labor intensive, is much faster and more cost effective than trying to re-plumb the entire building with new piping.