

University of Arizona

Arizona Public Media New Facility

The Paul and Alice Baker Center for Public Media

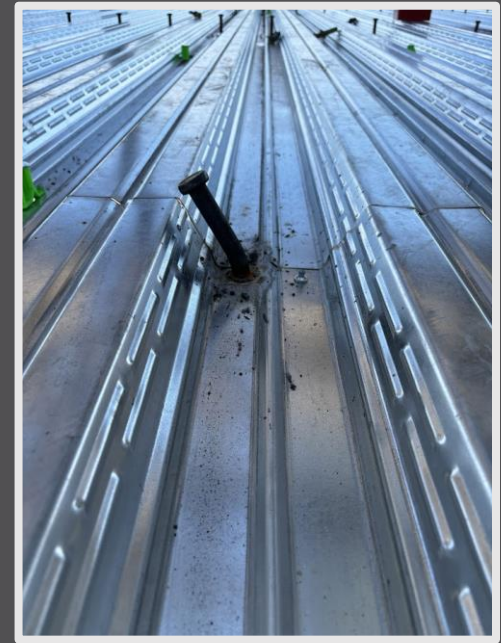
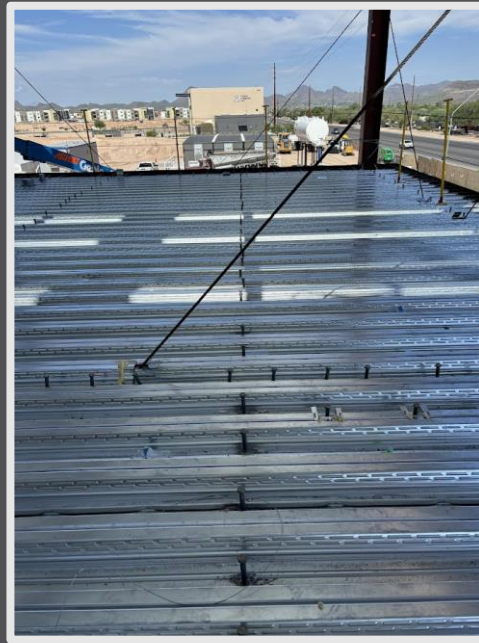
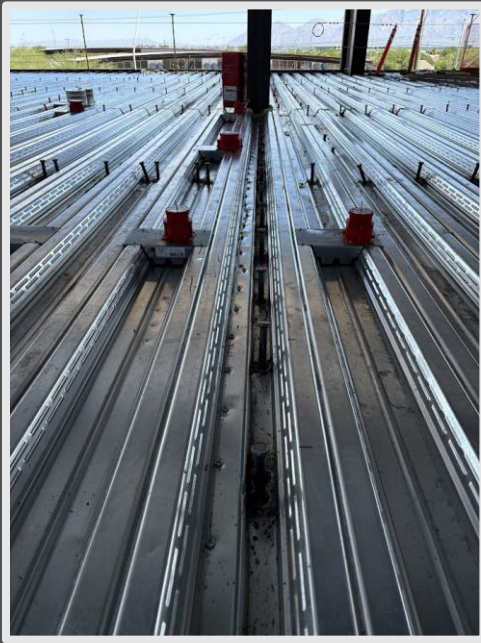
Construction Project Update – May 2024



CURRENT SITE OVERVIEW

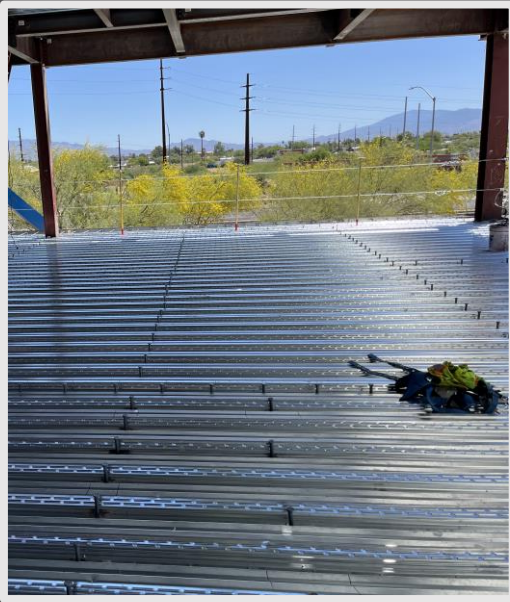


QUALITY MOMENT



On each of the metal decks there are shear studs, also called nelson studs, that are welded to the beams through the deck and are later encapsulated in the concrete to help all the parts of the system work together to support the loads of the building. As these studs are installed on beam lines, they are in straight lines, but you'll see in the images above that some of these studs aren't straight anymore. This is because the test to ensure that they are properly attached is to bend one of every 30-40 studs. If the stud bends, it is appropriately attached. If it breaks off, it was not attached well enough and must be redone.

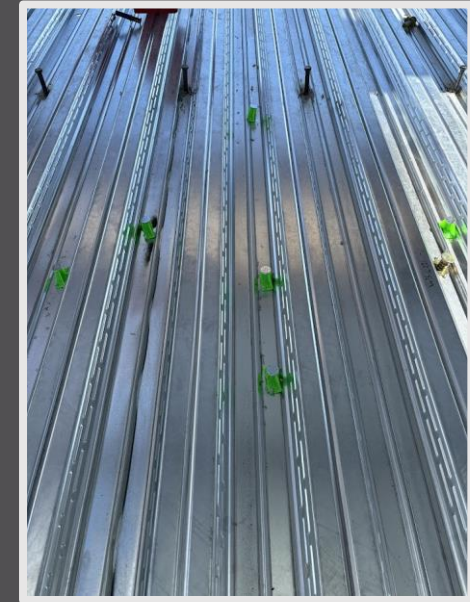
PROGRESS UPDATE



Deck at turn over



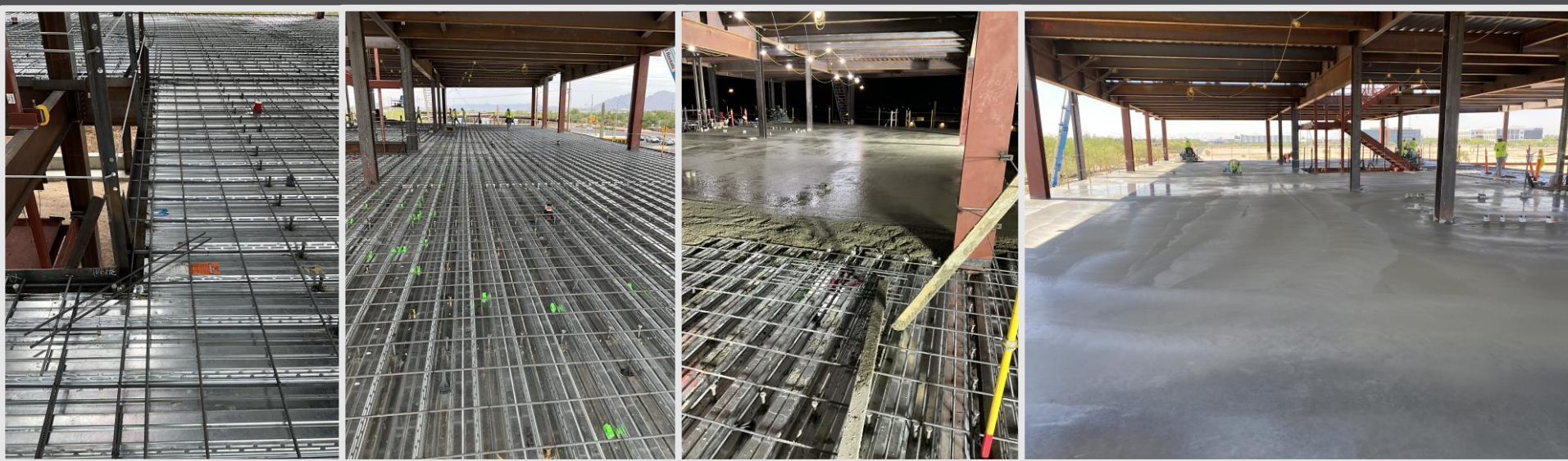
Bangers being used on the project



Bangers installed in the deck

This month the first section of decking (level 2 east side) was completed and turned over from the steel contractor to the MEP trades to begin laying out their bangers. Bangers are supports that are installed in the metal deck before concrete is placed to support the overhead utilities for the floor below. You install these by “banging” a hole in the deck with a spear-like tool, inserting the banger, and screwing it into place so that it doesn’t move during the concrete placement. This system is more efficient for installing overhead supports rather than drilling and post installing anchors after the concrete slab on metal deck has been placed.

PROGRESS UPDATE



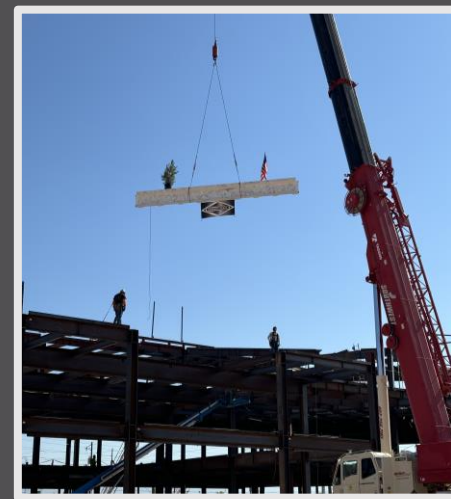
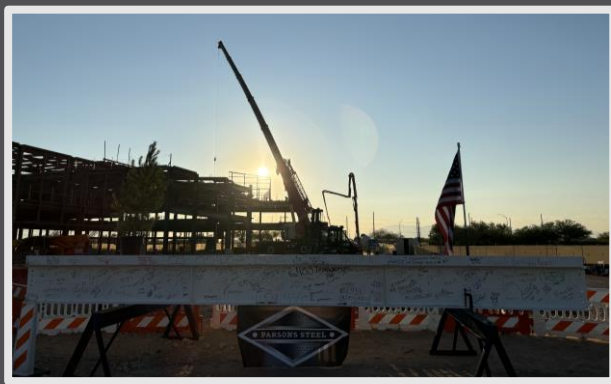
Rebar in place, deck ready for concrete

Halfway through the placement

Finishing the slab

After the MEP trades finished with their layout, the concrete crew placed the rebar and the first slab on metal deck on 6/14 beginning at 1:30am. There are many reasons that slab placements are done in the middle of the night including; the heat in the middle of the day would cause the water to evaporate from the mix too quickly causing larger cracks, the traffic in the middle of the night is much better for moving a lot of concrete trucks in and out, a few hours after the concrete is placed a finishing crew comes through and smooths the surface of the concrete and this process can take hours, the concrete trucks and pumps take up a lot of space on site placing early morning or over night clears the equipment off the site by the time the rest of the crews show up to work.

TOPPING OUT



On June 14th we also celebrated the “topping out”. Topping out is completing the steel structure of the building. The topping out piece was painted white and all those that have participated in getting us to this point in the project were encouraged to sign it.

PROGRESS UPDATE



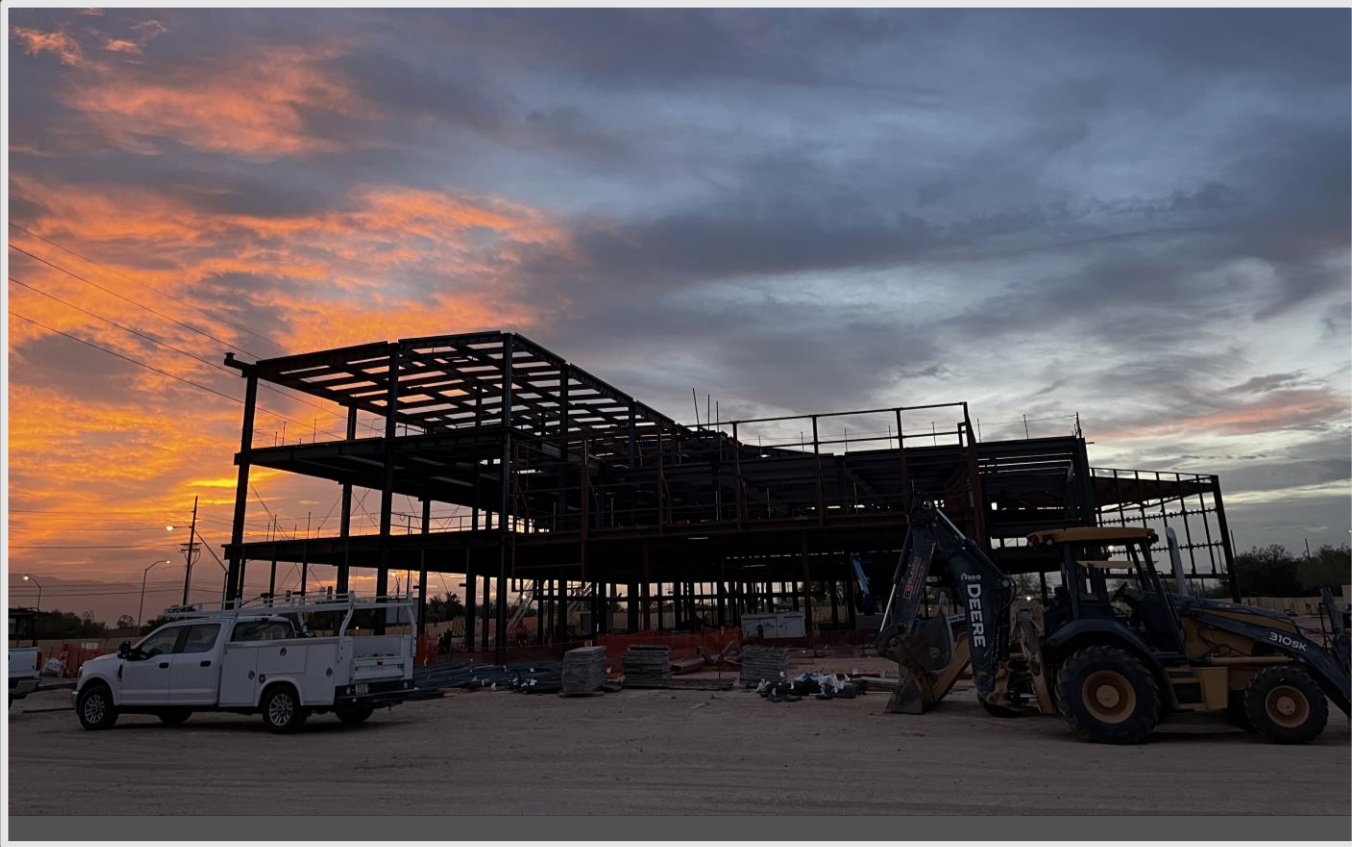
Other activities in June included back filling some of the “bathtub” on the East side; installing the small distribution conduits; placing concrete grade beams; and starting the waterproofing on the exterior of the building.

PROGRESS UPDATE



A haboob, followed by the first monsoon of the season rolling onto the AZPM site.

LOOKING AHEAD



In July concrete slab placements and MEP install will continue and framing of priority walls will begin.

You can always keep up with what is happening on site by checking out the live construction feed on the UA PDC website. [Project Camera](#)