

APPLIED RESEARCH BUILDING

DATE: 09/20/21-09/24/21

PHASE: Project Overview



Facing North View



Facing South View

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PHASE: Plumbing



Waste Line Branches



Domestic Water Tie-in From UA Tunnel

FUN FACT:

The domestic water system connects in the UA Arizona concrete tunnel below the dirt grade. The tunnel provides utilities and utility access all over campus.

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PHASE: Vertical and Horizontal Structure



Core Wall-1 & High-Bay Columns Prep for Pour



Thermal Vacuum Vapor Barrier

FUN FACT: The concrete columns rise out of the ground approximately 40'. The High Bay area is where high-tech research material and equipment will be assembled & disassembled.

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PHASE: Underground Electrical Infrastructure



Generator/ Feeders Excavation



Area-1 Underground Utilities
Completion

FUN FACT:

The generator once fully operational will provide a secondary power source. The generator has enough power to keep main building systems operational in the event of a power outage.

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PHASE: Finish Concrete



Core-2 and Round Columns Stripped



Shear Wall-3 & Stem Wall Poured



THE UNIVERSITY
OF ARIZONA

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PHASE: Site Activities



UA Engineering Students Tour



TEP Pole Removal

FUN FACT:
TEP completed their work finalizing the remaining public utility re-routes necessary to complete the building utilities.



McCarthy + SmithGroup
ARB Design Build Team



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PHASE: What is next!?

UP COMING
NEXT

- Slab on Grade Grind Mock-up
- Underground plumbing layout and installation
- Electrical underground installation and main building power
- Slab on grade and vertical structural concrete pours
- Thermal Vacuum Chamber support pad reinforcing
- Elevator pit concrete pour and utilities
- Structural steel stairs and first level miscellaneous steel



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