

APPLIED RESEARCH BUILDING

DATE: 09/06/21-09/10/21

PHASE: Project Overall



Facing North View



Facing South View

FUN FACT:
The project
Tower Crane
is now
erected
giving the
project up to
12,000# of
hoisting
capacity at
any location
of the
building.

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PHASE: Site Plumbing

Site Waste and
Sanitary Line
Branches



FUN FACT:
Over 2500LF of
underground pipe
will be installed
beneath and around
the structure.



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PHASE: Structural



Shearwall-1 Stripped and Shearwall-2 Poured



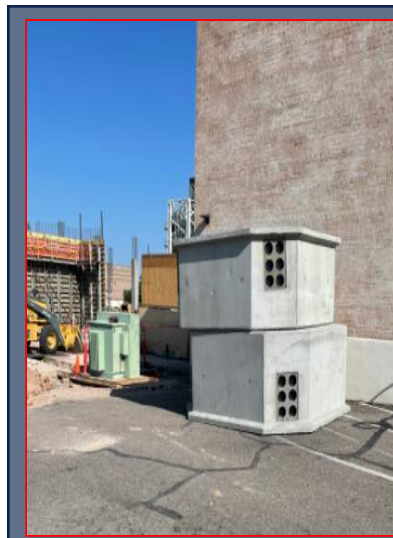
Building Continuous Footing and
Shearwall-3 Reinforcing

FUN FACT:
Over 30 CY
of concrete
are poured
at each
shear wall
level moving
up the
building.

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PHASE: Electrical



South Loop Medium
Voltage Vault

FUN FACT:
Each
electrical
vault section
weighs over
10,000#s.



Site Permanent
Power Connection



THE UNIVERSITY
OF ARIZONA

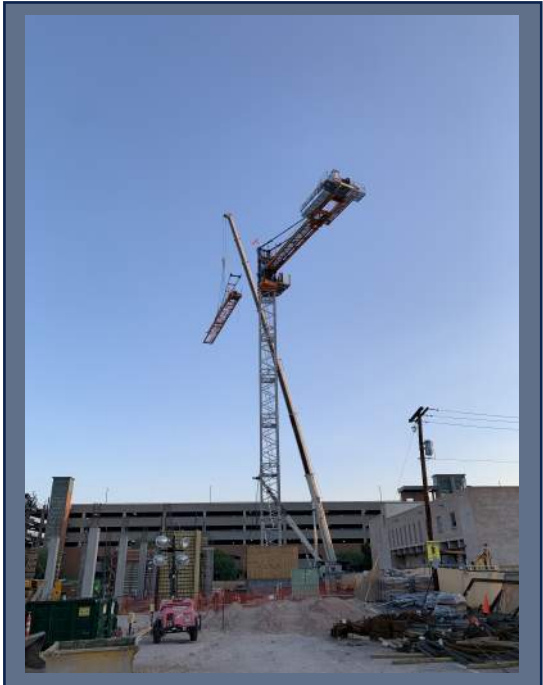
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PHASE: Tower Crane



**Tower Crane
Assembly Completed**



**Tower Crane Assembly
Operation and Assist
Cranes**



McCarthy + SmithGroup
ARB Design Build Team

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PHASE: What is next!?



- Grade beam and footing reinforcing supporting the southeast stair and public elevator
- Slab on grade mock ups and finishes
- Underground plumbing layout and installation
- Electrical underground installation and main building power
- Slab on grade pour on the Northwest corner
- Thermal Vacuum Chamber structural foundation
- Elevators pit reinforcing and concrete
- Stair steel erection

