

APPLIED RESEARCH BUILDING

DATE: **05/30/22 - 06/03/22**

PHASE: Project Overview



Facing North View



Facing South View





Exterior View



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PHASE: Structural Steel Fireproofing



Spraying Cementitious Fireproofing

Fireproofing:

The Mechanical room decking on Level 4 is being sprayed with fireproofing. This type of fireproofing is the cementitious type. It is lightweight and creates a thick, physical barrier between a potential fire and the steel roof.



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PHASE: Shaft Wall



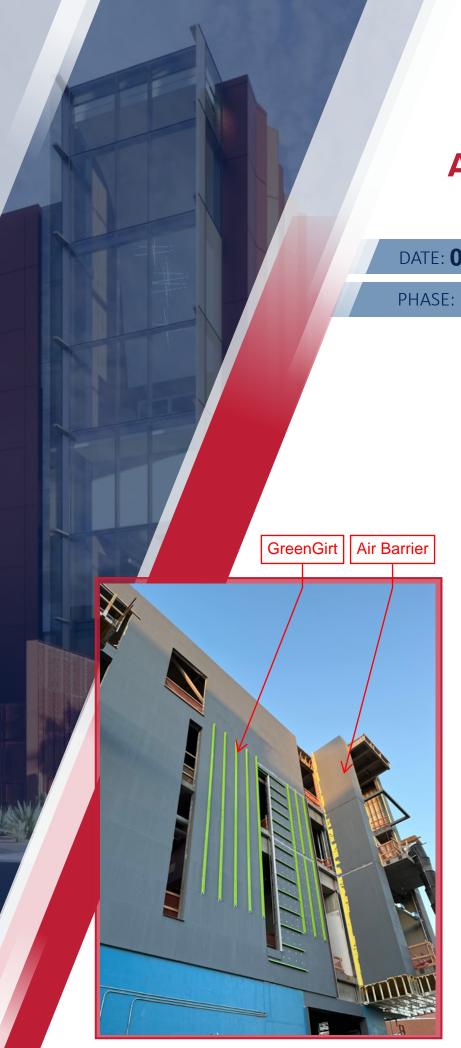
Framer installing 2-hour fire rated wall

Shaft Wall:

The Shaft Wall for Elevator 1 was completed this week. The Shaft Wall is a 2-hour fire rated wall. This step was crucial for the pre-planning of the elevator installation.









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PHASE: North Elevation



North Elevation Update:

Sheathing was completed last week. Then the air barrier (grey) was painted on. They have begun installing the GreenGirt which is a cladding support for the metal panels that will be installed. Once the GreenGirt is finished the team can begin installing the insulation.





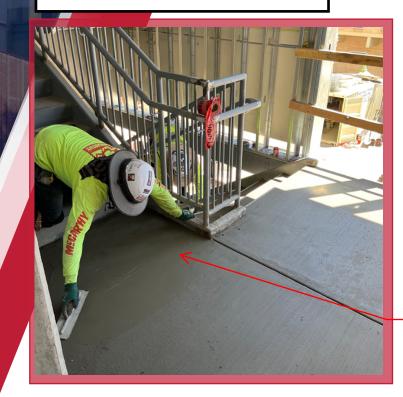
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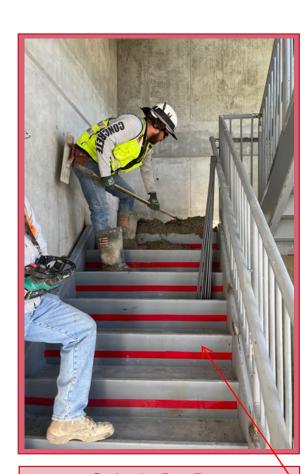
PHASE: Pan Stair Pour

Pan Stair Pour:

A pump truck is used to pump the concrete from the concrete mixer truck to the landings. The first crew uses shovels to maneuver the concrete down the stairs to the next landing. They repeat this for every run of stairs. The last step is for the crew of finishers to smooth the concrete and clean off the steel risers.

<u>Fun Fact:</u> A concrete batch must be dispensed from the mixer truck within 90 minutes and the mix has to remain under 90° F.





Stair #2 - Pan Pour

Riser

Finisher





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PHASE: What's next?!?



- -Excavations for Electrical Duct Bank & LN2 Tank
- Completion of Masonry on West Elevation
- Structural Steel Stair 1
- -Elevator Delivery



