

# APPLIED RESEARCH BUILDING

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

PHASE: **Project Overview**



Facing North View



Facing South View

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

PHASE: **Structural Steel Fireproofing**



Spraying Cementitious  
Fireproofing



Exterior View

### **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



View from L1 looking up to L2 and L3

### **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



GreenGirt

Air Barrier



**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.

**Fun Fact:** 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



McCarthy + SmithGroup  
ARB Design Build Team