APPLIED RESEARCH BUILDING

DATE: 12/06/21-12/12/21

PHASE: Project Overview

Facing North View

Facing South View
**APPLIED RESEARCH BUILDING**

**DATE:** 12/06/21-12/12/21

**PHASE:** Shoring and Decking

---

**Fun Fact:**
Deck Stripping is removing plywood (form-work) after the concrete has cured. The construction team worked strategically on placing the plywood to deliver a consistent pattern, as shown in the top photo, each line is the edge of the form-work plywood.

---

**High-Bay (40') Shoring Towers Being Set**

**East Level 2 Deck Stripped**
DATE: 12/06/21-12/12/21

PHASE: Pouring Concrete

Fun Fact:
The Concrete Pump is utilized to get concrete to a higher point. These pumps are costly and must be planned out. A more cost efficient way of pouring concrete from an elevated level is the concrete bucket. Utilizing the crane, we can pour concrete as shown in the bottom photo. The concrete cannot free fall from a distance greater than 4’ or the aggregates will separate from the mix. Therefore, the extension tube is used as a funnel on the bottom of the bucket.
APPLIED RESEARCH BUILDING

DATE: 12/06/21-12/12/21

PHASE: SOG Grind

Fun Fact:
The majority of ARB’s floor is exposed concrete. In order to protect it from any stains or chips, a product called Ardex is used to seal the concrete after its initial grind. Ardex will be removed during the final grind process after the building is completed.

Level 1 Initial Grind and Mock-up of Stain Stripes

Forming and Pouring Level 2 Columns
DATE: 12/06/21-12/12/21

PHASE: Mechanical, Electrical & Plumbing

Fun Fact:
The red boxes are prefabricated to be placed over the electric stub-ups, protecting the conduits. Painting them red increases their visibility, potentially avoiding them from becoming a tripping hazard.
APPLIED RESEARCH BUILDING

DATE: 12/06/21-12/12/21

PHASE: What's next?!?

- Structural Steel.
- Level 3 Shoring
- Interior and Exterior Priority Wall Framing.
- Level 3 Decking and Sheeting.
- Level 3 Reinforcing
- Level 3 Deck Plumbing and Mechanical Rough-In.
- Architectural Building Mock up.
- Equipment Pads.
- Level 3 Vertical pours.
- Level 4 Shoring