



# APPLIED RESEARCH BUILDING

DATE: **03/14/22-03/20/22**

PHASE: **Project Overview**



**Facing North View**



**Facing South View**



**McCarthy + SmithGroup**  
ARB Design Build Team

# APPLIED RESEARCH BUILDING

DATE: 03/14/22-03/20/22

PHASE: Concrete



Highbay Patching



Highbay Stripped

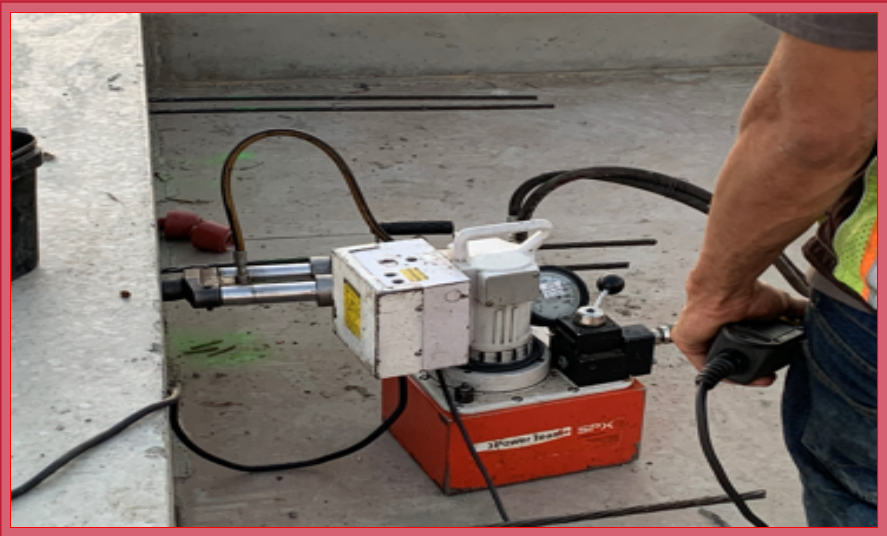
**Fun Fact:**  
The highbay is 40'  
high and will have  
(2) 30' tall  
bi-folding doors to  
provide access  
from the outside.



# APPLIED RESEARCH BUILDING

DATE: 03/14/22-03/20/22

PHASE: Reinforcing



Post Tension Jack and Pump



Post Tension Slab Edge

**Fun Fact:**

Post tension slabs allow for thinner longer slabs with fewer supports (beams & columns). These cables usually gets stressed a few days after the concrete is poured and/or when it reaches about 80% strength.



# APPLIED RESEARCH BUILDING

DATE: 03/14/22-03/20/22

PHASE: Structural Steel



East Elevator Steel North Connection



East Elevator Steel South Connection

**Fun Fact:**

Steel embeds are set into the concrete structure during the concrete pour. Later, a knife plate is welded to the embed for the steel beam to bolt onto.



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# APPLIED RESEARCH BUILDING

DATE: 03/14/22-03/20/22

PHASE: Building Exterior



Northeast Corner



Northeast Corner

### Fun Fact:

The form work platforms sticking out of the building are called "outriggers". These platforms are used as a material pick-up station by the crane.

# APPLIED RESEARCH BUILDING

DATE: **03/14/22-03/20/22**

PHASE: **Topping Out**



Architect & Her Son Signing



Beam Signing Station Set-up

### Fun Fact:

The final steel beam placed at the top of the building is traditionally celebrated at a topping out celebration. The top beam for ARB has been delivered to the site early so project team members can sign it before it is installed in the building.





# APPLIED RESEARCH BUILDING

DATE: **03/14/22-03/20/22**

PHASE: **Mechanical, Electrical & Plumbing**



Fan Coil Units



Chilled Water Risers

**Fun Fact:**

The building conditioning system will connect to the University chilled water system



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DATE: **03/14/22-03/20/22**

PHASE: **What's next?!?**

**COMING  
SOON**

- Exterior Waterproofing.
- Architectural Building Mock up Completion.
- Level 1 production walls.
- Level 2 In Wall MEP
- Level 4 Mechanical Room Steel
- High Bay Stripping.
- Main Equipment Pads.
- Yard Concrete Pour.
- Glazing and Skin Support Steel.



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