PROJECT OVERVIEW

DATE: 02/28/22-03/13/22

PHASE: Project Overview

Facing North View

Facing South View
Large Scale Testing Lab Crane Steel Beams

Fun Fact:
The anchor bolt is held in place with a steel template to ensure it doesn't move during the concrete pour. The steel members will have holes that fit perfectly on the bolts to anchor them down.
**Fun Fact:**
The mechanical shaft has a 2-hour rating fire assembly. These assemblies are engineered to ensure they meet the requirements. The illustrated Assembly in the bottom photo consist of a drywall sheet on top and special framing of 4” and 2 layers of rated drywall in the bottom. All joints and penetrations must be fire stopped (the red caulking).
APPLIED RESEARCH BUILDING

DATE: 02/28/22-03/13/22

PHASE: Form-Work

Level-4 Beam Form-Work

Level-4 Deck Shoring Towers
DATE: 02/28/22-03/13/22

PHASE: Concrete

Fun Fact:
The re-shoring posts go under the deck below the level getting poured to ensure the weight of the concrete is supported properly until the concrete cures to the designed strength.
APPLIED RESEARCH BUILDING

DATE: 02/28/22-03/13/22

PHASE: Concrete

Fun Fact:
Area 10 marks the last major concrete pour for ARB, which totals in 5,934 cubic yards of ready mix concrete.
Fun Fact:

The blue coat on the walls is called waterproofing. It is an adhesive coat that covers the drywall to prevent moisture from penetrating through the surface.
All of the yellow sleeves shown are the stub-ups for the equipment that will be on the roof. Each sleeve is labeled by the circuit it is feeding from, as mentioned previously identifying the source of power is crucial in electric work.
PHASE: What's next?!?

- Structural Steel.
- Exterior Waterproofing.
- Architectural Building Mock up Completion.
- Level 3 Re-shoring.
- Level 1 In wall electrical and plumbing.
- Level 1 production walls.
- Level 4 Mechanical Room Steel
- High Bay Stripping.
- Main Equipment Pads.

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