APPLIED RESEARCH BUILDING

DATE: 01/31/22-02/06/22
PHASE: Project Overview

Facing North View

Facing South View
APPLIED RESEARCH BUILDING

DATE: 01/31/22-02/06/22

PHASE: Structural

Shaker Room Coiling Door Steel

Fun Fact:
Structural framing can be constructed of structural steel, metal studs framing and/or wood. When these systems are used for structural purposes, they must be designed to withhold all the forces such as wind, material weight, etc...

Exterior Framing
DATE: 01/31/22-02/06/22
PHASE: Interior Framing

Fun Fact:
Critical walls are often "topped out", where the top of the wall is a priority to be completely sheeted, skimmed and painted to eliminate the need to work around overhead MEP later where ceilings are exposed.
APPLIED RESEARCH BUILDING

DATE: 01/31/22-02/06/22

PHASE: Concrete

Fun Fact:
The third floor will eventually contain laboratory space, offices and clean rooms.
DATE: 01/31/22-02/06/22
PHASE: Concrete

Fun Fact: During the Pre-Construction/Design phase, rendering models are created to assist the planning process and present the final product to the client.
Date: 01/31/22-02/06/22

Phase: Form Work

Demobilizing Vertical Form Work

Fun Fact:
Formwork rentals must be closely tracked to ensure all parts are returned in a timely fashion in order to help the project maintain budget.

Setting Level 4 Deck Stringers
DATE: 01/31/22-02/06/22

PHASE: Mechanical, Electrical & Plumbing

Overhead Electrical & Mechanical Duct

Fun Fact:
The 10" pipe shown is an overflow pipe that runs all the way from the roof to the ground. This line is a backup when there is an excessive amount of rain to drain water from the roof faster.

Level-1 Restroom
APPLIED RESEARCH BUILDING

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PHASE: Mechanical, Electrical & Plumbing

Fun Fact:
All plumbing systems get tested for a certain time and pressure to ensure there are no leaks and they meet engineered design criteria. A standard test would be 150psi for 4 hours.
APPLIED RESEARCH
BUILDING

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PHASE: What's next?!?

- Structural Steel.
- Exterior Wall Framing.
- Level 3 Vertical pours.
- Level 4 Shoring.
- Level 4 Concrete Pour.
- Architectural Building Mock up.
- Level 2 Re-shoring.
- Level 1 In wall electrical and plumbing.
- Level 1 Ductwork.
- Main Equipment Pads.