

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

PHASE: Project Overview



Facing North View



**Facing South View** 





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

PHASE: Structural



Shaker Room Coiling Door Steel

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...

ww

# McCarthy + SmithGroup ARB Design Build Team

**Exterior Framing** 



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

PHASE: Interior Framing



**Southwest Circulation Corridor** 



Northwest Corridor Top out Complete

### 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.





PHASE: Concrete



Stripping Level 3 Deck



Stripping Level 3 Deck

### **Fun Fact:**

The third floor will eventually contain laboratory space, offices and clean rooms.





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PHASE: Concrete



Northwest Building Cantilever Rendering

### **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** 



Setting Level 4 Deck Stringers

### 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.





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

PHASE: Mechanical, Electrical & Plumbing



Overhead Electrical & Mechanical Duct



Level-1 Restroom

### **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.



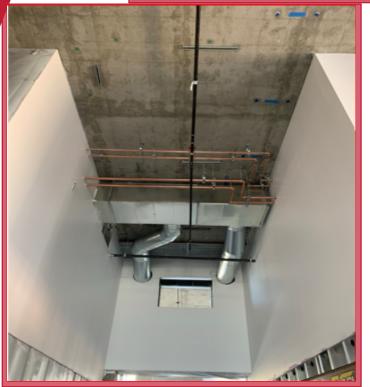


DATE: 01/31/22-02/06/22

PHASE: Mechanical, Electrical & Plumbing



Level-1 Fire Sprinkler Main Line



Overhead Mechanical Duct, Plumbing and Fire Sprinkler Line

### **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.





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

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.



