



# APPLIED RESEARCH BUILDING

DATE: 11/15/21-11/26/21

PHASE: Project Overview



Facing North View



Facing South View

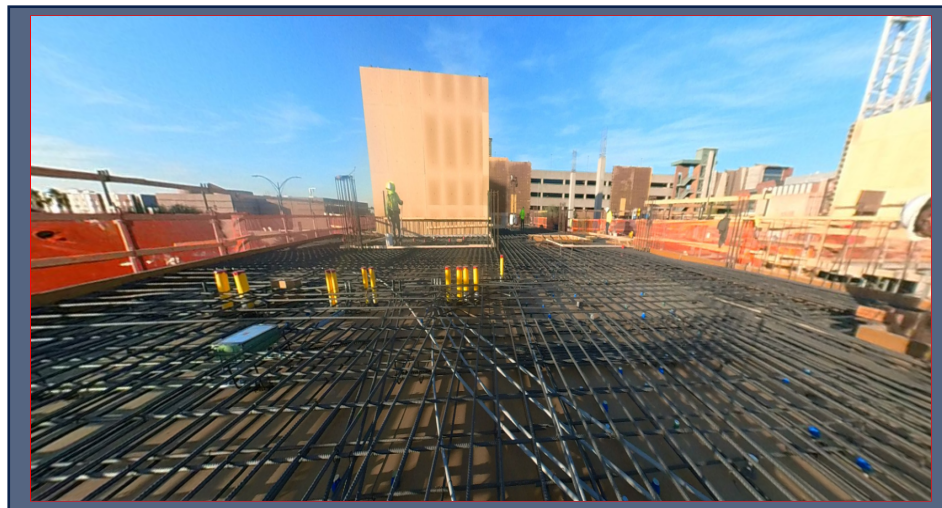


McCarthy + SmithGroup  
ARB Design Build Team

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PHASE: Structural Deck



Level 2 West Deck - Pre-Pour

### Fun Fact:

The square blockout next to the wall form in the top photo is a bathroom that will get tile flooring. Therefore, it has 2x4s to distinguish the finish level of that area to compensate for the tile construction build up. The bottom photo shows the depressed area after it's poured.



Depressed Floor Area for Level 2 Restroom



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PHASE: **Structural Concrete**



Level 2 Deck Reinforcing



Level 2 Deck After Concrete Pour

**Fun Fact:**

Surveying is a huge aspect of construction. As shown in the bottom picture, deck layout has been marked to identify the grid-lines on the plans and offset points. Each item installed must be measured off of those dimensions to ensure alignment with the engineered design of the building.

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PHASE: Vertical Structure



Flying Pre-Fab Steel Column



Setting Steel Columns On Level 2

**Fun Fact:**

Most of the reinforcing is being pre-fabricated prior to installation. To increase production and efficiency as well as safety. As shown in the pictures, immediately after the deck pour, the team was hoisting and setting the reinforcing steel columns on level 2 to provide the support necessary for the next deck level.



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PHASE: **Continued Production**



Level 2 West Decking Complete - Ready for Reinforcing



Water Proofing Of The Exterior Footings And  
Continued In Slab Electrical Conduits

**Fun Fact:**

Waterproofing is applied in areas where there is a risk of moisture building up from the ground(dirt) into the building.



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

**COMING  
SOON**

- Level 2 Deck Plumbing and Mechanical Rough-In.
- Level 2 Deck Electrical Rough-In.
- Level 2 Vertical Structural Pours.
- Thermal Vacuum Chamber Protection Build-out.
- Level 2 Deck Completion
- SOG Initial Grind and Protection.
- Structural Steel Stair Erection.
- Architectural Building Mock up.
- Interior and Exterior Priority Wall Framing.
- Level 3 Shoring



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