



# APPLIED RESEARCH BUILDING

DATE: 10/11/21-10/15/21

PHASE: Project Overview



Facing North View



Facing South View

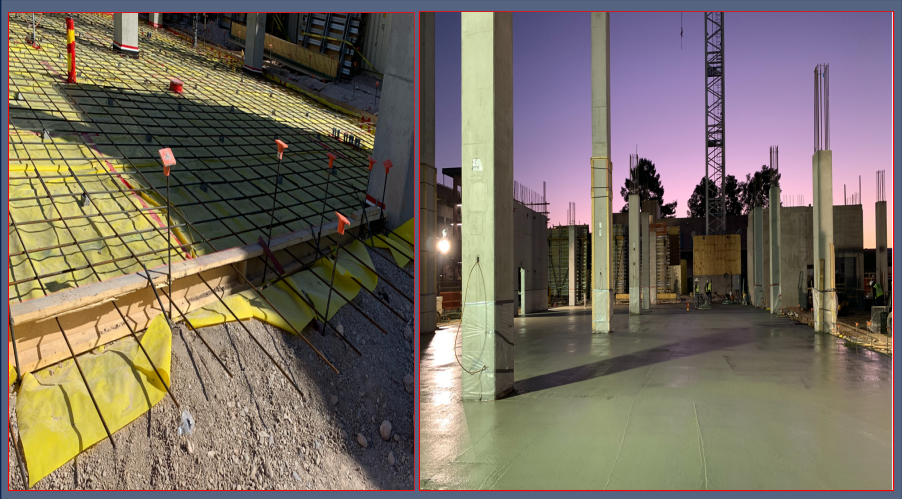


McCarthy + SmithGroup  
ARB Design Build Team

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PHASE: Slab On Grade



NE Corner Slab On Grade Vapor Barrier and Concrete Pour

**Fun fact**

The concrete pour process on the northeast corner of the first floor took a full working day and approximately 160 cubic yards of concrete to complete. This High Bay area will have tall roll up doors.



Early Morning NE Corner Slab On Grade Pour



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PHASE: Concrete & TV Chamber



Saw Cutting NW Slab



TV Chamber Membrane Waterproofing

### Fun fact

Thermal Vacuum Chamber will be set near the SW portion of the building and will have a whole control room dedicated to it along with Anechoic Chamber control room and a dedicated pump room for the Chamber.



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PHASE: **Mock-Up**



Slab on Grade Salt&Pepper and Medium Grind



Upper Levels (Large Agg) and SOG Heavy Grind

### **Fun fact**

Slab on grade will contain 1/2" aggregate which will have a more blended look with the cement when grinded, whereas the elevated floor will contain 1" aggregate for more strength. This look will distinguish the aggregates in the slab. The same size aggregates are used in the building columns.



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PHASE: **Underground Utilities**



South Side UG and SES Rack Electrical



Under Ground Domestic Chilled Water Line

**Fun fact**

20,000 linear feet of underground conduit have been installed (nearly 4 Miles of PVC conduit).





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

**coming soon!**

- Slab On Grade Pours
- Level 2 Deck Forming and Reinforcing.
- Level 2 Deck Plumbing rough-is.
- Level 2 Deck Electrical lines installation and rough in.
- Setting Thermal Vacuum Chamber
- Stairs Steel Structure
- Whole Building Mock up



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