



APPLIED RESEARCH BUILDING

DATE: 10/18/21-10/22/21

PHASE: **Project Overview**



Facing North View



Facing South View



McCarthy + SmithGroup
ARB Design Build Team

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PHASE: Slab On Grade



South Side of Level 1 Vapor Barrier and Reinforcing

Fun fact

The Thermal Vacuum Chamber will be transported and set on site during the beginning of November while construction is still in progress. This is the only way to set the TV Chamber as it weighs about 80,000 lbs. However, the construction team has a plan for building a whole system around the Chamber once it's set to ensure it is protected until construction is finalized.



Thermal Vacuum Chamber Preparation

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DATE: 10/18/21-10/22/21

PHASE: Inclusion Week



Inclusion Week Event at ARB

Fun fact
Six Industry
Leading
Contractors
have come
together to take
this first step to
devote a week
to recognize
and bring
awareness to
inclusion.



Inclusion Week Event Speakers

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DATE: 10/18/21-10/22/21

PHASE: **Structural**



Core Wall 3 Build-up With Reveals



Level 2 Deck Shoring

Fun fact

Core Wall 3 is the last wall on level 1 to be built up. This wall contains the reveal strips as shown on the form work. These reveals are about an 1.5" in width and run vertically. They are made of fiber glass foam infused material that makes it much easier to strip from concrete. However, the material is not reusable.

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PHASE: **Underground Utilities**



Building Main Electrical Tie-ins



West Electrical Room Stub-ups

Fun fact

An estimated 15% of the total conduit within the building has been installed below the slab.



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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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