APPLIED RESEARCH BUILDING

DATE: 11/08/21-11/12/21

PHASE: Project Overview

Facing North View

Facing South View
DATE: 11/08/21-11/12/21

PHASE: TV Chamber Delivery and Hoist

Hoisting Thermal Vacuum Chamber

Fun Fact:
The Thermal Vacuum Chamber can fit a Chevrolet Suburban inside its shell. IT IS THE BIGGEST TV CHAMBER AT ANY UNIVERSITY IN THE COUNTRY!!!

Vibration Isolation and Temporary Protection for the TV Chamber
**APPLIED RESEARCH BUILDING**

**DATE:** 11/08/21-11/12/21

**PHASE:** Structural Concrete

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**Fun Fact:**
Core Wall-3 is located at the main entrance of the building. Since the concrete will be exposed in a high-visibility area, the construction team worked diligently to ensure that no structural components will interfere with the appearance of the wall.

The Metal Plate Embeds will support the steel stairway, which along with the lighted Architectural Inlays, will provide a beautiful feature from the building exterior.
APPLIED RESEARCH BUILDING

DATE: 11/08/21-11/12/21

PHASE: Structural Decking

Level 2 Deck Sheeting

Level 2 Deck Shoring

Fun Fact:
Level 2 Slab is approximately 20,000 square feet. The slab will be poured in 2 major concrete pours, each is about 10,000 square feet of area.
APPLIED RESEARCH
BUILDING

DATE: 11/08/21-11/12/21

PHASE: Structural - Post Tension and Rebar

Post Tension Cables Installed

Fun Fact:
Post tension cables allow a longer span of cantilevered deck, which eliminates the need of vertical support below (i.e. columns).

Level 2 Deck Top Mat Of Reinforcing
APPLIED RESEARCH BUILDING

DATE: 11/08/21-11/12/21

PHASE: Mechanical Electrical and Plumbing

Fun Fact:
Prior to concrete pours, the various trades (electrical, mechanical, etc.) coordinate and block out certain size openings in the slab to run their pipes and duct through. The wooden boxes are blockouts and the red pipes are the sleeves. The area in the picture on the left will be a restroom which requires multiple openings to run drain and water lines to it.
DATE: 11/08/21-11/12/21
PHASE: What's next?!?

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