

APPLIED RESEARCH BUILDING

DATE: **8/16/21 - 8/20/21**

PHASE: **Overall Project View**



Jobsite camera
facing south

The north shear-walls of the building are up and ready for concrete. Shear walls provide major structural support for the building concrete cast in place structure

Jobsite camera
facing north



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PHASE: **Tower Crane & Caissons**

Tower Crane
base completed
& protected

This crane will have the
capacity to pick up
to 15,400lb at 197' and up
to 26,400lb within 115'.



Final caisson
drilling in
progress -
Caissons
support the
mass
foundation
systems

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PHASE: **Foundations**



These deep foundations are over 8 feet in depth. The deep foundations will secure the load of the structure & keep it supported to prevent a major deflection and/or any sliding in the soil.

Deep excavation completed for elevator 2 and stair 2.



East grade
beam reinforcing

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PHASE: **Vertical Structure**



The north shear-walls of the building are up and ready for concrete. These walls will support the building structure and hold the roll up door in-between them.

Shear-walls
and columns -
Main building
structure



Level 1 - Steel embeds
onsite

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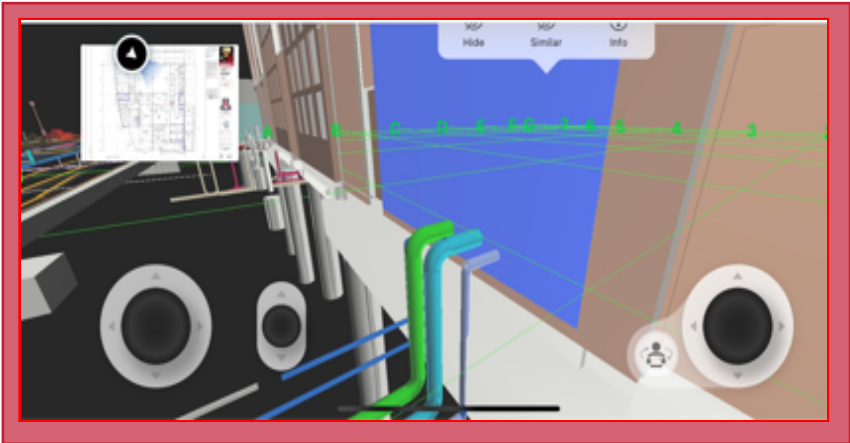
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PHASE: Mechanical/Electrical/Plumbing



The north vault will be the pathway to provide permanent building power

North Vault Placement



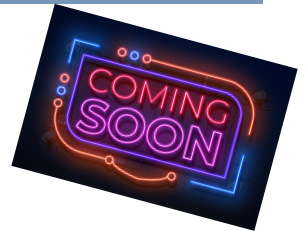
Level 1 Building Information Modeling is finalized.



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



- **Electrical Infrastructure Outage and Tie-In completion to provide permanent power.**
- **Temp Vista Switchgear, which is an electrical distribution gear providing main building power.**
- **Embeds and Underground MEP rough-in.**
- **Vertical Structure concrete pours.**
- **Grade Beams and Foundations complete reinforcing, inspection and pour concrete.**
- **Demo and remove old encasement pads.**



McCarthy + SmithGroup
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