



APPLIED RESEARCH BUILDING

DATE: **04/25/22 - 05/02/22**

PHASE: **Project Overview**



North Elevation View



South Elevation View



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ARB Design Build Team

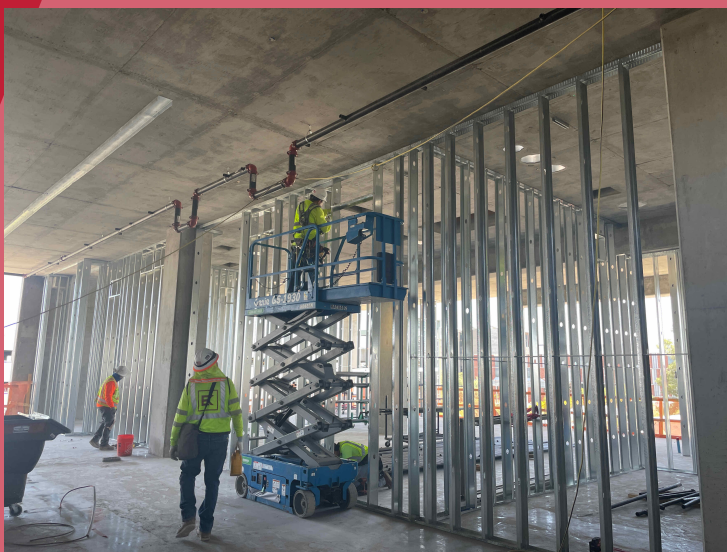
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DATE: **04/25/22 - 05/02/22**

PHASE: **Level 3 Wall Framing**

Wall Framing:

The level 3 spaces at ARB primarily consist of imaging and cubesat laboratory spaces, offices and conference room workspaces. Level 3 interior metal stud framing is substantially complete!



Metal Stud Framing Conference and Office Spaces





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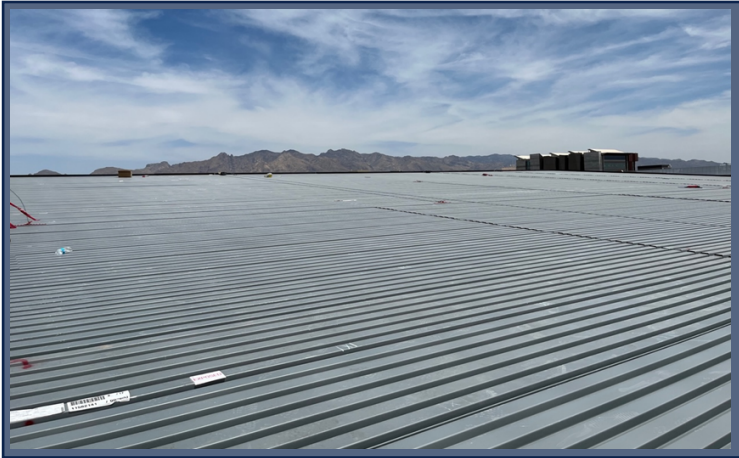
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DATE: **04/25/22 - 05/02/22**

PHASE: **Level 4 Metal Pan Decking**

Fun Fact:

In order to completely cover the Level 4 roof space, over 450 total sheets of 2'x20' (9,000 LF) corrugated metal pan decking were fastened to the steel structure below using steel anchors and puddle welds.



Level 4 Metal Pan Decking



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DATE: **04/25/22 - 05/02/22**

PHASE: **Trash Chute Installation**



North Elevation Trash Chute



Trash Chute Level 3

About the Chute:

With the removal of the tower crane and outriggers, a trash chute was added to the NW corner of the building to safely remove construction debris from the building. Removing the outriggers allows the exterior framing activity to continue to close-in the building.



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DATE: **04/25/22 - 05/02/22**

PHASE: **North Exterior Elevation Framing**



North Exterior Elevation Framing



Exterior Facade Update:
E&K continues to frame the exterior of the building, starting on the west elevation and moving clockwise around the building. This week, E&K is framing the north elevation outside the highbay area.



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DATE: **04/25/22 - 05/02/22**

PHASE: **SW Elevation Structural Steel**



Level 3 Soffit Steel for Exterior Glazing



About the Perimeter Steel:

Around the perimeter of the building, structural steel is being installed in the soffit spaces under the concrete decks. This steel material will support the headers of the glass curtain wall units that will be installed later this year.



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DATE: **04/25/22 - 05/02/22**

PHASE: **East Yard Reinforcing**



Aerial of East Yard



East Yard Reinforcing

Fun Fact:

The foundations in the east yard support the masonry walls which will enclose the electrical yard, emergency generator and LN2 tank. Vertical reinforcing dowels are left exposed outside of the foundation to be tied into the masonry wall reinforcement to further strengthen and protect the equipment inside.



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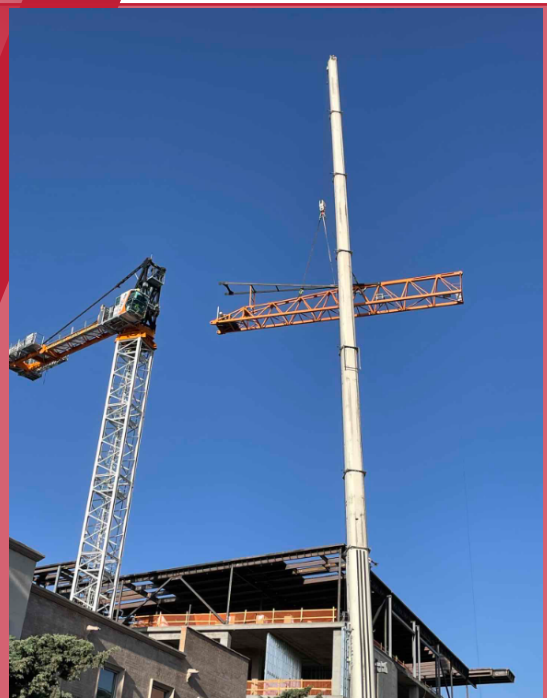
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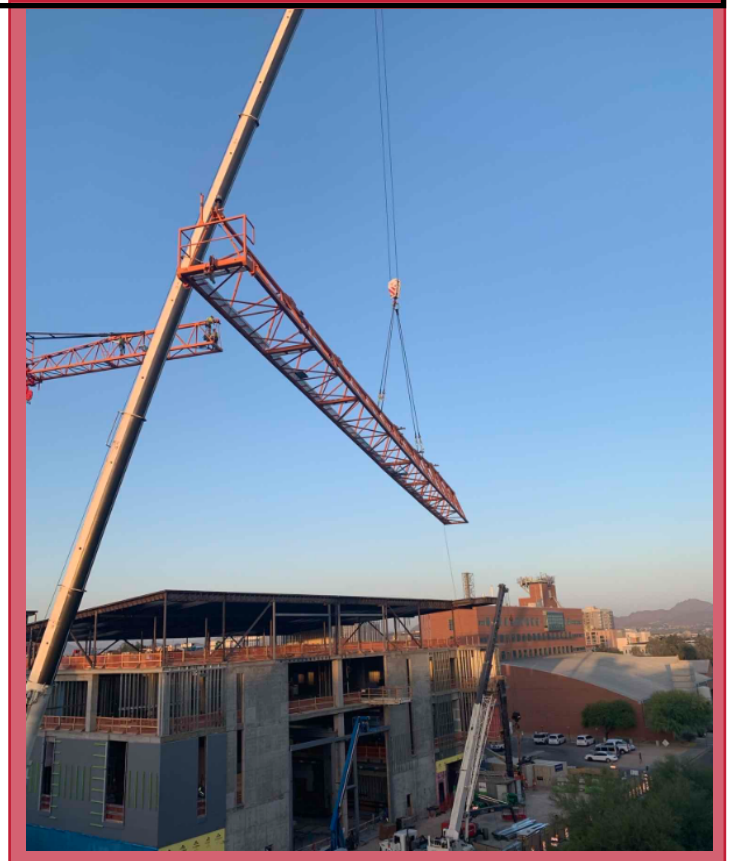
PHASE: **Tower Crane Removal**

Fun Fact:

Removal of the tower crane was a successful operation over the weekend 4/30-5/1. Two assist cranes were utilized to remove the crane sections and lower them onto the transport trucks below. Over 15 transport trucks were required to ship the tower crane to its new home in Austin, TX.



Tower Crane Removal



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DATE: **04/25/22 - 05/02/22**

PHASE: **Employee Highlight: Marcos**



Employee Highlight - Marcos Escarcega - Electrical Foreman with Sturgeon

Q: How did you decide to become an Electrical foreman?

A: Prior to joining the trades, Marcos was a restaurant manager at Chipotle in Tucson. In 2014, Marcos joined the electrical union with the intent to work more normal working hours so he could spend more time with his family. As a single father, Marcos found the work-life balance with Sturgeon and loves the quality time he gets with his son. Marcos is a 2nd generation electrician and hopes to one day get his son into the electrical union.

Q. What has been your favorite part of the UA ARB Project?

A. Marcos was born in Morenci, AZ a small mining town in Arizona and came to Tucson in 1993. Marcos loves building in his community and making lasting impacts that support and better enhance the Tucson community and the University of Arizona and its students.

Additionally, Marcos loves the overall complexity and versatility of the Applied Research Building. He mentioned, "the intense diversity of the electrical infrastructure in each laboratory space and how it is individually designed and created to support each researcher makes managing and installing the system fun and challenging."



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DATE: **04/18/22-04/25/22**

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



- Tower Crane Foundation Demo
- Site Clean-up Prep for Highland
- Level 3 MEP Rough-in
- Structural Steel Stairs
- Metal Pan Stair Pour
- Employee Highlight - JB Steel (Jack)



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