



Technology and Health FPP

Final Project Proposal

June 5, 2019



FPP Background

- Required by CCCCO Finance and Facilities Division and State Department of Finance
- Approved Project Proposals are included in State Capital Outlay Budgets
- Proposals must include specific elements and certifications
- Board of Trustees must certify that the college will follow the project terms and conditions
- New and reconstructed space must be justified within the State space allocation model



The Project Proposal – Executive Summary

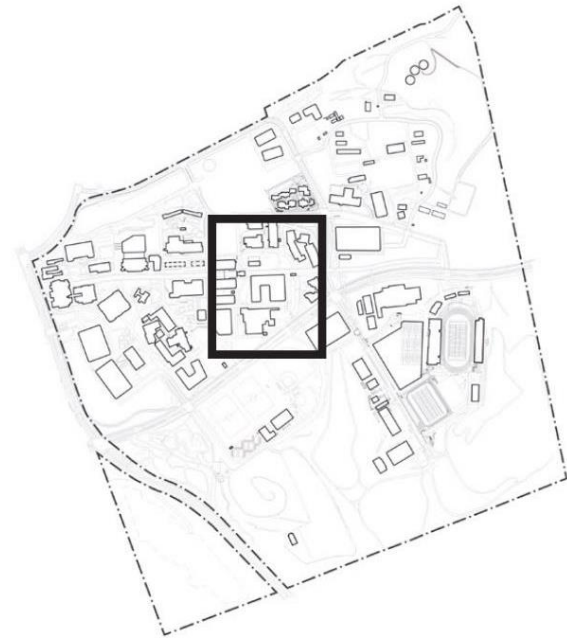
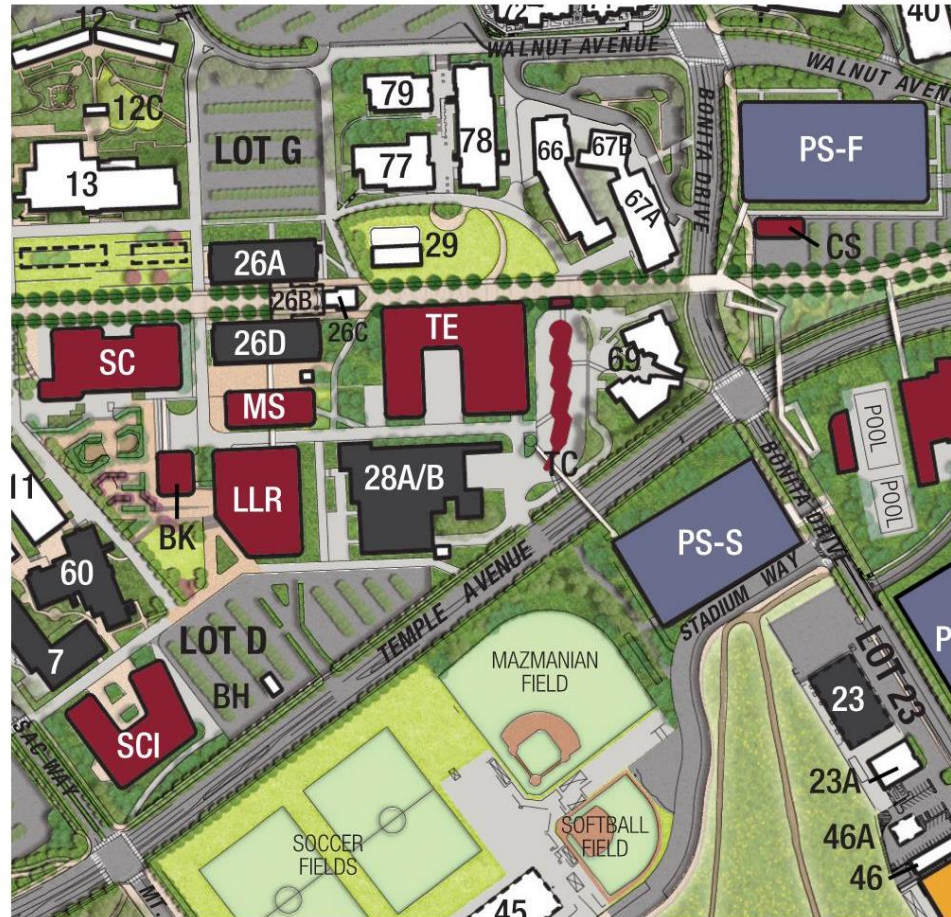
- Proposes to build a new four-story Technology and Health Building
- Consolidates programs from six locations, including modular space
- Located on the site of the current pool complex
- Approximately 253,866 GSF and 152,688 ASF
 - 6,500 ASF Classrooms
 - 108,000 ASF Laboratory
 - 14,500 ASF Office
 - 13,000 ASF Library
 - 12,000 ASF Support Space
- Preliminary Project Cost is estimated at \$120 Million in 2019



Project Goals

- Alignment with the 2018 Educational and Facilities Master Plan
- Increase instructional and support space for Technology and Health
- Update infrastructure to support modern classroom equipment
- Co-locate related academic departments within adjacent spaces to facilitate interdisciplinary instruction and promote resource sharing
- Improve Safety and Security
 - Fire/Life Safety
 - Structural
 - Accessibility
- Improve water and energy efficiency and sustainability
- Deliver project in a timely manner
- Execute the lowest cost solution

Campus Master Plan



Campus Master Plan

Technology & Health Building (FPP)
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Alignment with Measure GO Goals

- Upgrade job training, college transfer, vocational classrooms, and Computer & Technology labs
- Mt. SAC “must continue providing important job training and education for local residents entering the workforce...”
- “Provide students with up-to-date skills and modern technology”
- “Prepare students for 21st century jobs”
- “Expand vocational training programs”
- “Provide additional funding for job training and workforce preparation for students of all ages, veterans, and local residents...in science, technology, engineering, nursing, and other technical vocational careers”



Alternatives

- Technology and Health New Construction - RECOMMENDED
 - Meets all project goals
 - NOT the lowest cost solution at \$120,227,536 (2019)
- Technology and Health Reconstruction and Addition – Not Recommended
 - Meets some project goals, but requires multiple moves and temporary space
 - Not the lowest cost solution at \$124,003,970 (2019)
- Installation of Portables – Not Recommended
 - Meets very few project goals
 - Not the lowest cost solution at \$123,233,118 (2019)
- Leave Buildings As Is (Do Nothing)– Not Recommended
 - Does not meet any project goals and threatens the integrity of programs



Space Planning

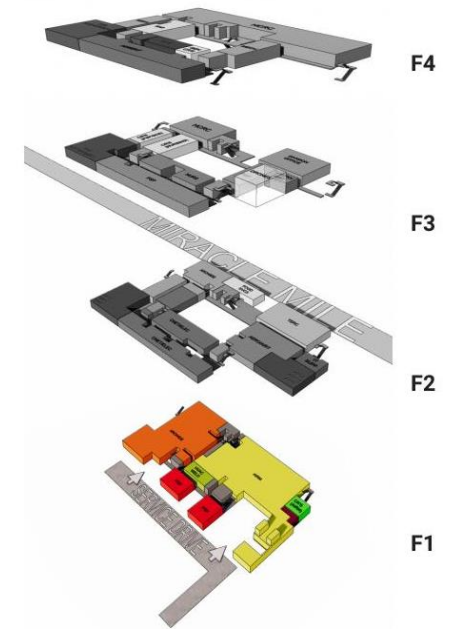
- Reduces Lecture Space Capacity Load Ratio from 135% to 125%
- Increases Laboratory Capacity Load Ratio from 88% to 93%
- Increases Library Capacity Load Ratio from 88% to 101%
- Office Capacity Not Impacted at 96%
- Including Health Careers space in this facility:
 - Creates additional flexible laboratory or classroom space in existing buildings
 - Reduces cost by eliminating the future renovation of Building 28
 - Creates space efficiency by consolidating duplicated spaces and services



Preliminary Project Cost in 2019

TASK	STATE FUNDS	LOCAL FUNDS
Preliminary Plans	\$ 1,944,983	\$ 1,944,983
Working Drawings	\$ 2,278,271	\$ 2,278,271
Construction	\$ 53,425,924	\$ 53,425,924
Equipment*	\$ 6,500,000	\$ 2,464,560
TOTALS	\$64,149,178	\$ 60,113,738

First Floor Diagram



First Floor Diagram

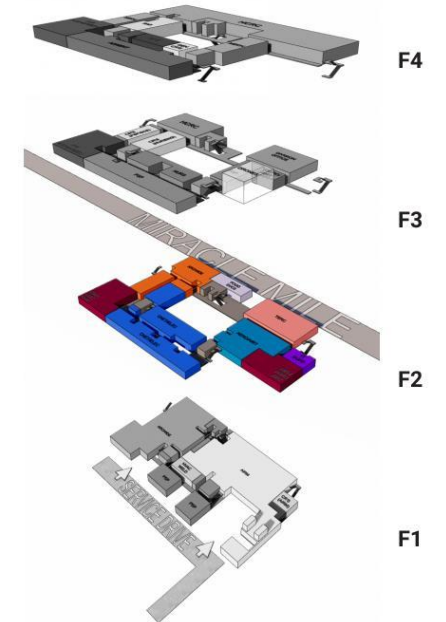
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Second Floor Diagram

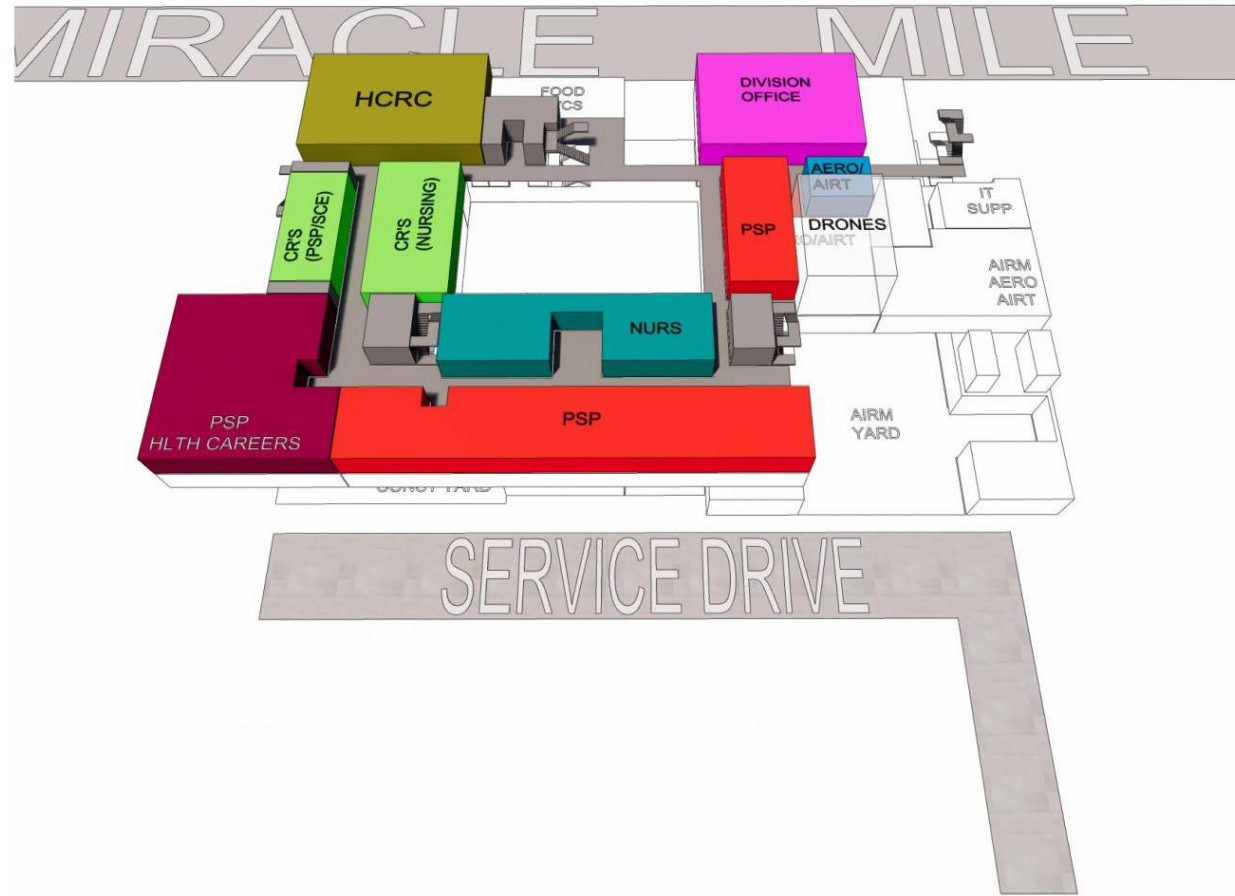


Second Floor Diagram

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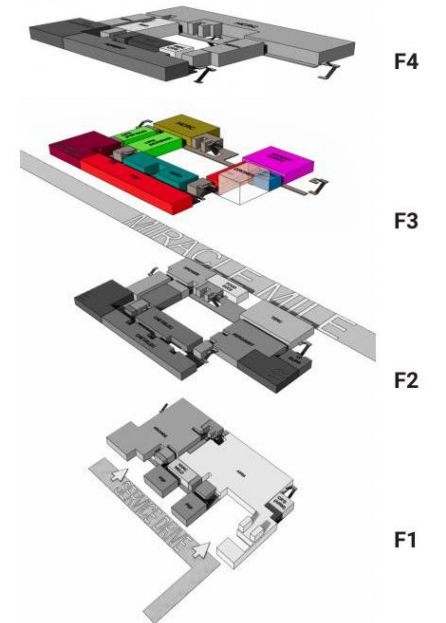


Third Floor Diagram

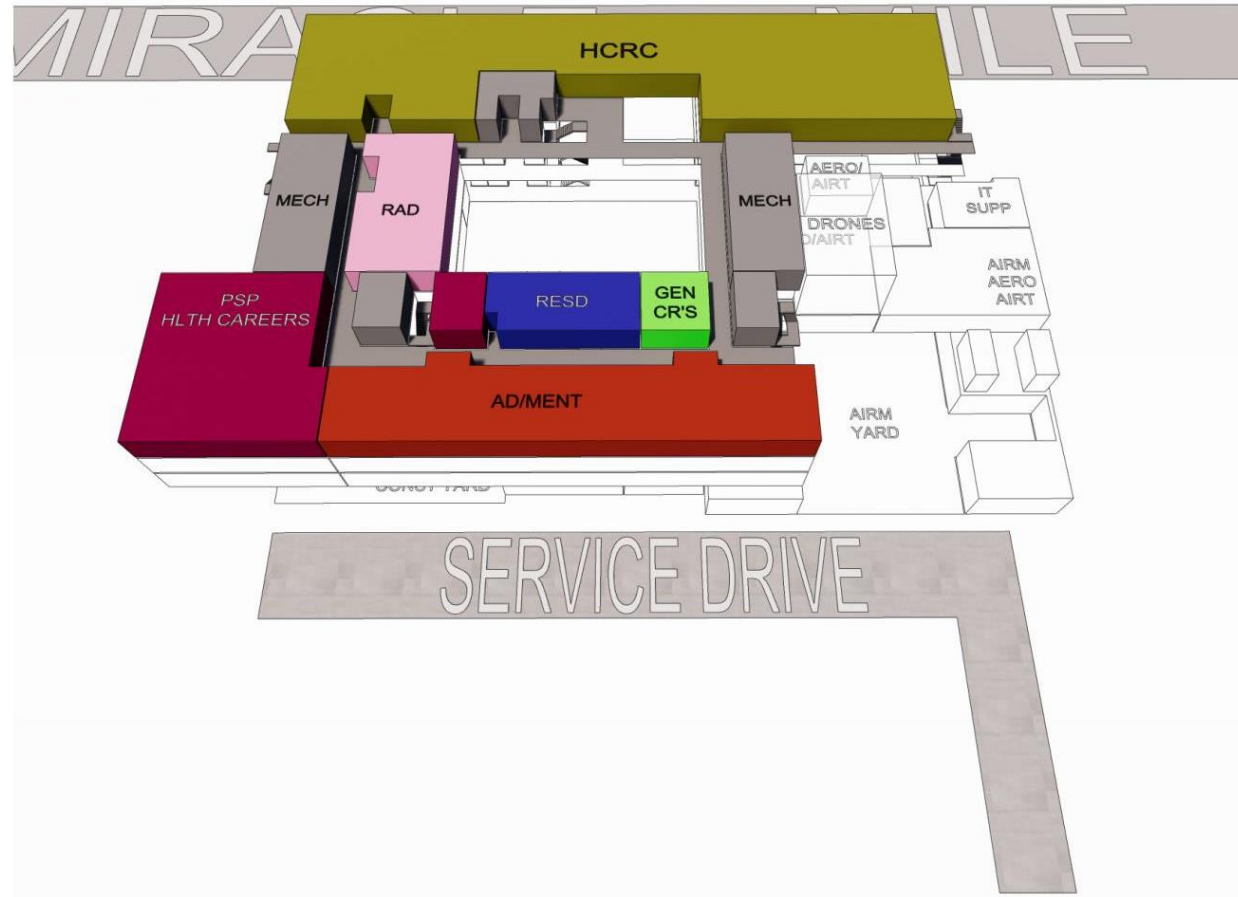


Third Floor Diagram

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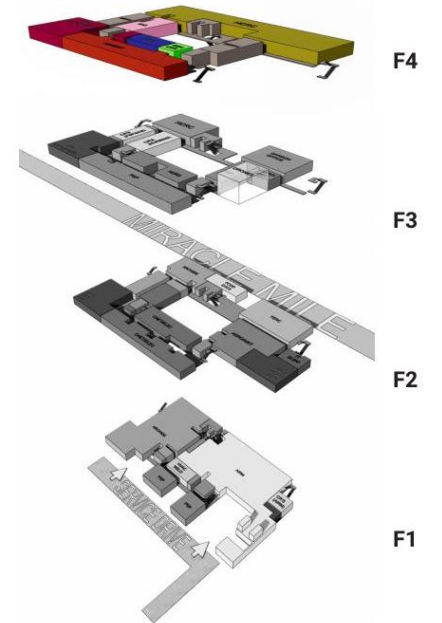


Fourth Floor Diagram

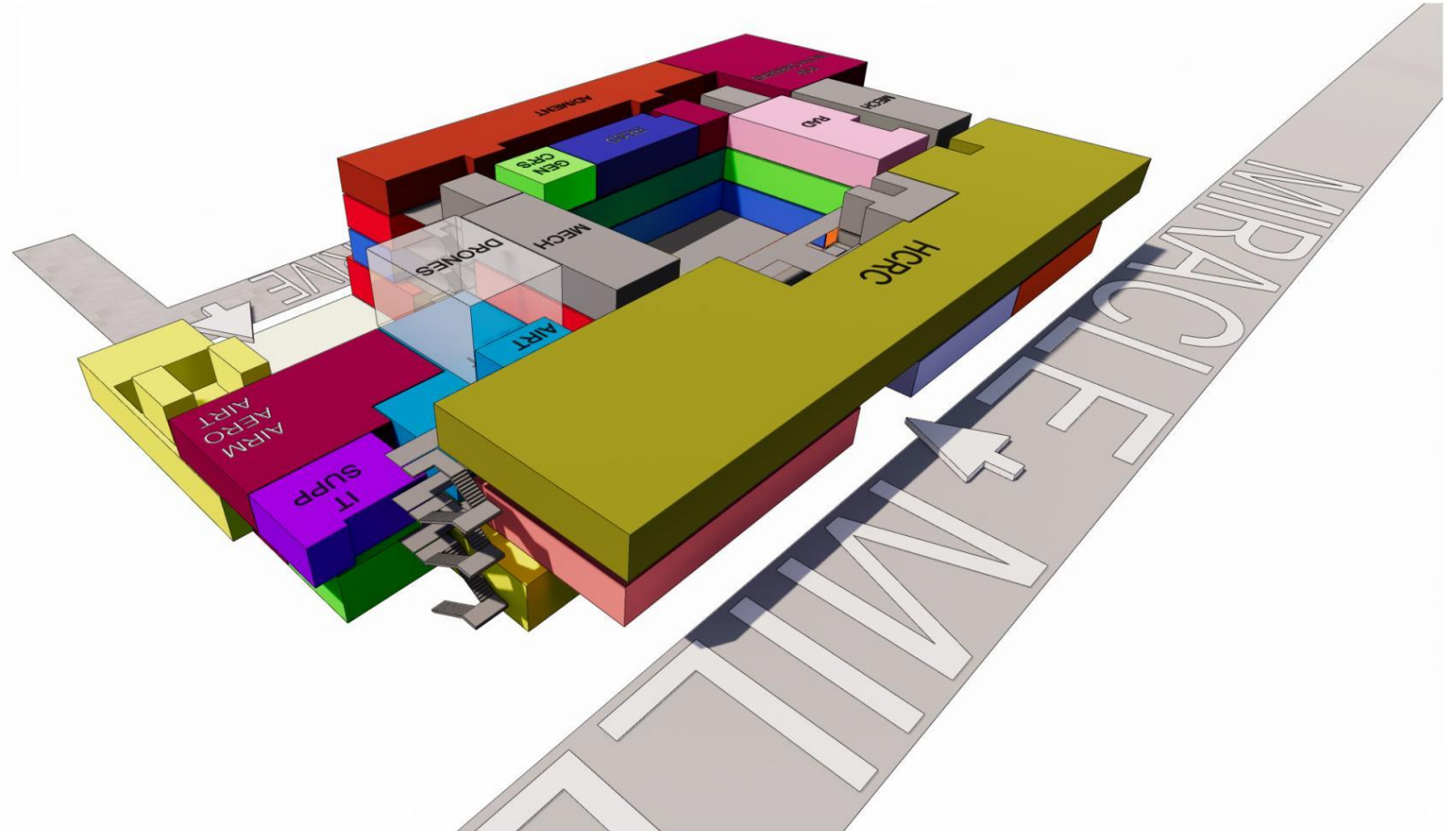


Fourth Floor Diagram

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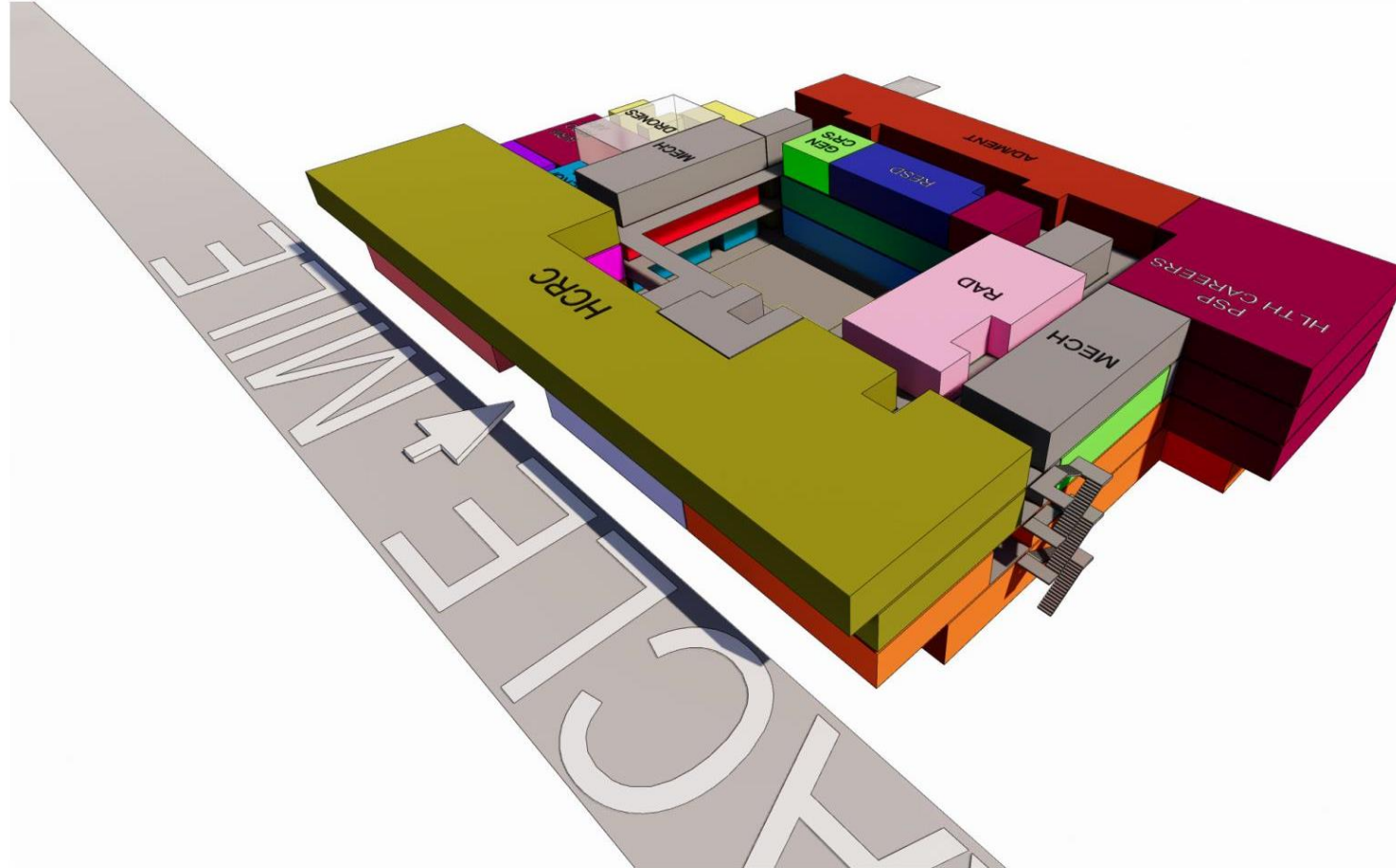
Aerial View Northeast



Aerial View - Northeast

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Aerial View Northwest



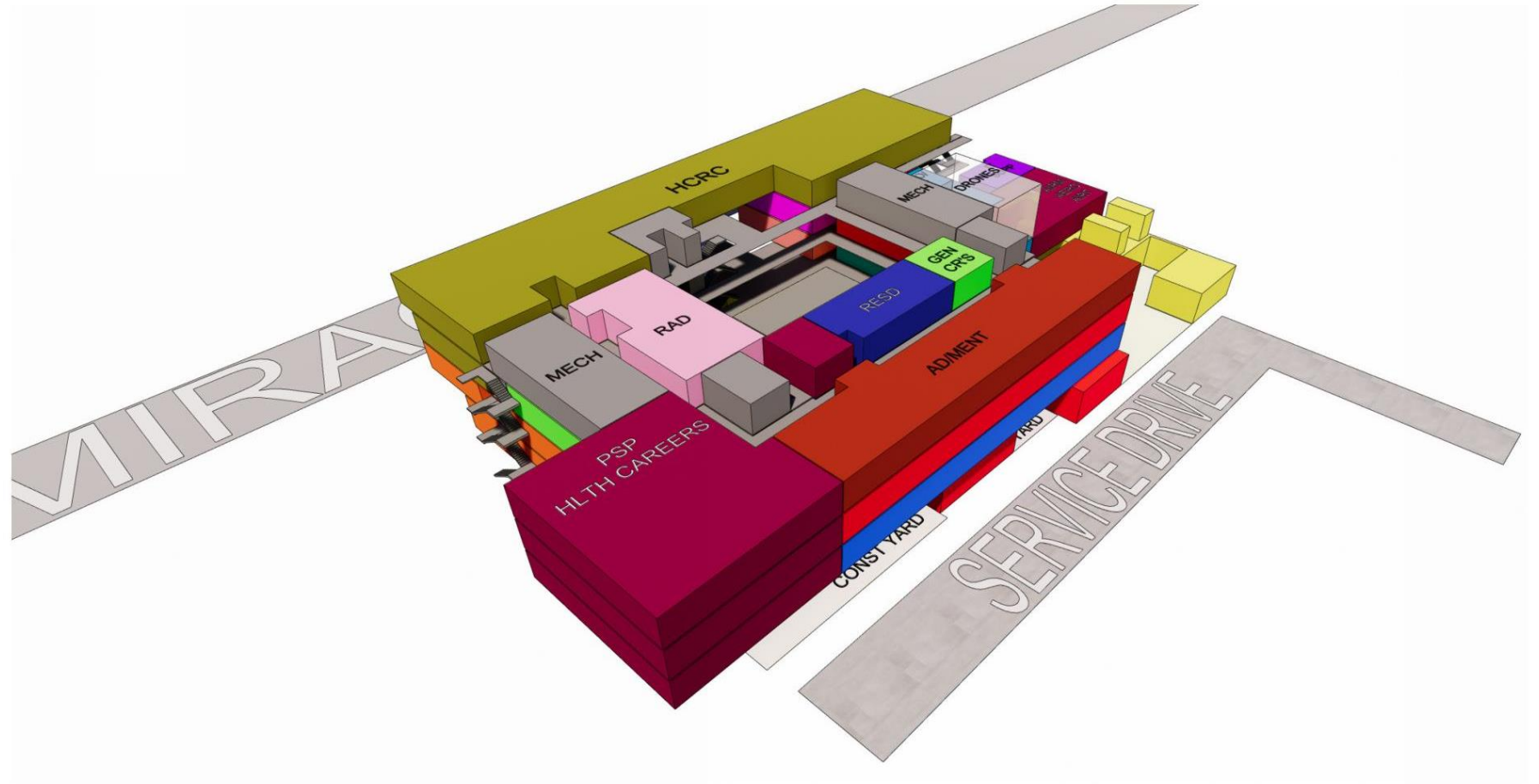
Aerial View - Northwest

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HMC Architects

Aerial View Southwest



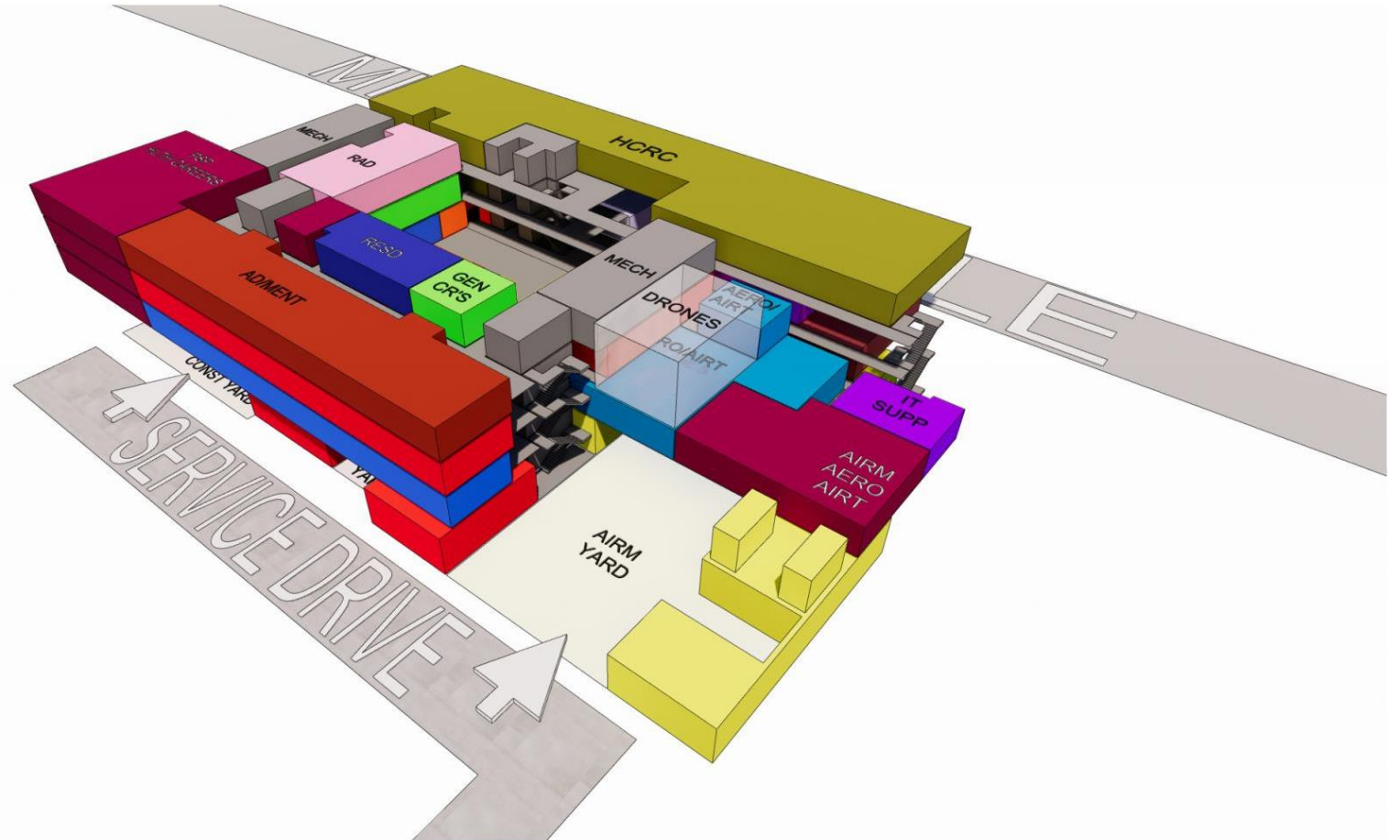
Aerial View - Southwest

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HMC Architects

Aerial View Southeast



Aerial View - Southeast

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3D Rendering

