Technical Building

Project: Technical Education Project

Square Feet: 114,897 sq. ft.

Current Project Budget: $101.1M
State Funding: $33.7M

Delivery Method: Design-Bid-Build

Architect: HMC Architects
Contractor: Icon West, Inc.
Construction Manager: Safework
Project Manager: AECOM

Project Status: In-Construction

Start of Construction: Jun 2022
Project Completion: Jan 2025

Local Hire: 54%

Project Goal: Consolidate and increase the laboratory capacity for Career Technical Education (CTE) programs at San Bernardino Valley College by replacing the existing Technical Building with a new larger building.

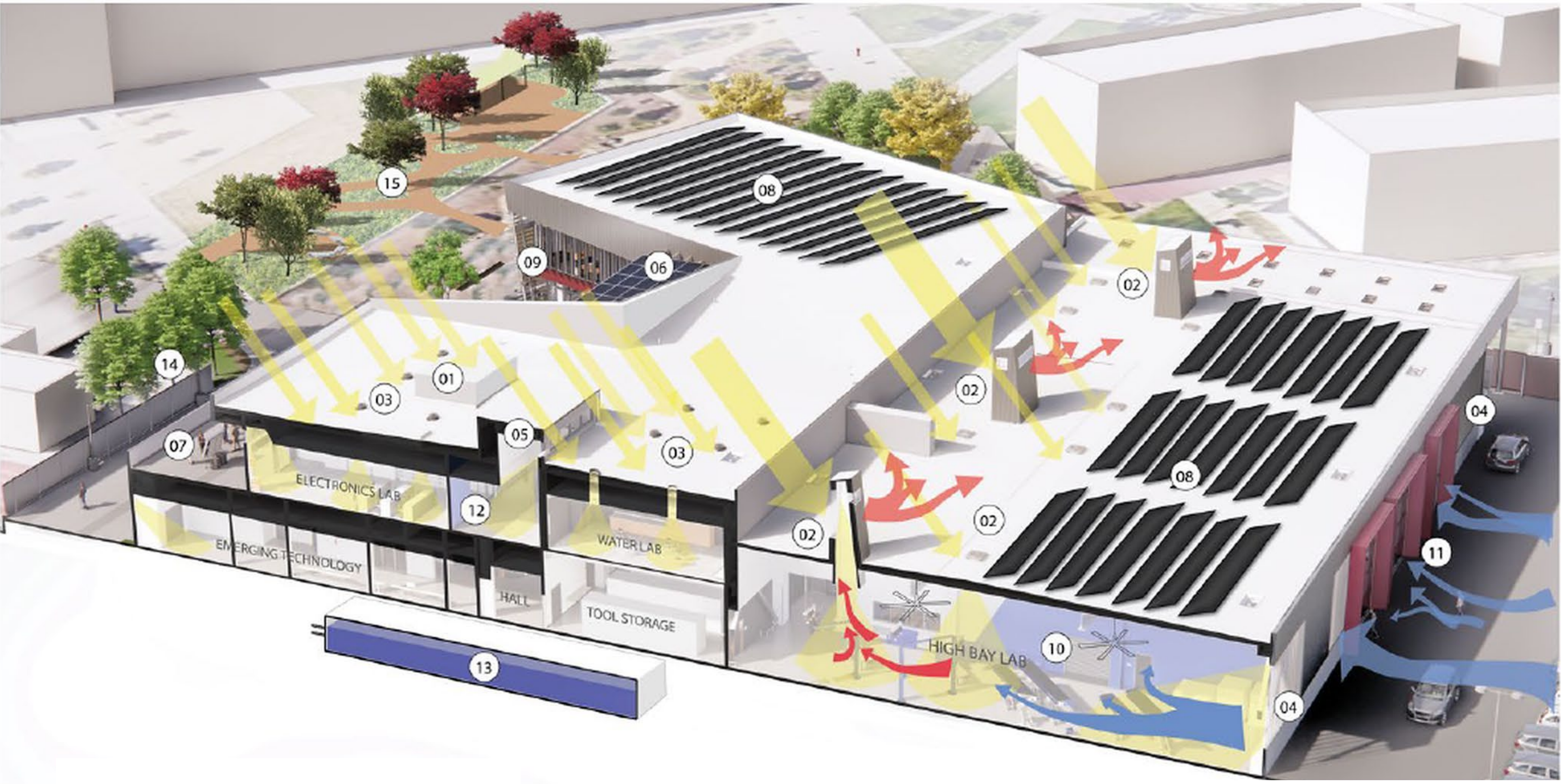
Sustainability Features

- All electric mechanical design, eliminating use of gas
- Direct/Indirect evaporative cooler and heat recovery chiller
- Six solar thermal chimneys throughout automotive labs enhancing natural ventilation
- Rooftop solar generating 70% of anticipated operational use
- Photovoltaic demonstration entry canopy
- Solar battery storage
- Direct current power and battery storage demonstration
- Daylight solatubes bring natural light into labs and classrooms
- High velocity, low speed fans in automotive labs
- Modular wetland linear biofiltration system
- Underground water storage and treatment
- **Title 24:** Exceed Title 24 by 31%
- **EUI:** 29 kBtu/sf/year

On Track for LEED Platinum Certification

Education Programs Offered

Automotive (Traditional, Hybrid, & EV)	Modern Machining
Solar Technology	Water Technology
Aeronautics	Electricity & Electronics
HVAC&R	Industrial Automation



Sustainability Features

1 All electric mechanical systems
2 Thermal chimney
3 Tubular skylights
4 Light wall
5 Light monitor
6 Photovoltaic canopy
7 Photovoltaic deck
8 Photovoltaic roof
9 Sunshade devices
10 High-velocity, low-speed fans
11 Operable doors and windows
12 Student sticky spaces
13 Water storage
14 Modular wetlands
15 Bio & Wellness Garden

Awards

USGBC-LA Sustainable Innovation Awards

- 2023 Merit for Health and Well Being
- 2022 Honor in Sustainable Development Strategy
- 2021 Honor in Sustainable Development Strategy

California Higher Education Energy & Sustainability

- 2020 Best Practice Overall Sustainable Design

American Institute of Architects – Inland California

- 2020 Honor Award

San Diego Green Building Council Sustainability Award

- 2020 Merit in Certification Systems – New Construction