

Technical Building



San Bernardino
Valley College

Project: Technical Education Project at SBVC

Square Feet: 114,000 sq. ft.

Current Project Budget: \$101.1M

State Funding: \$33.7M

Delivery Method: Design-Bid-Build

Architect: HMC Architects

Contractor: Icon West, Inc.

Project Status: In-Construction, 70% Complete

Start of Construction: June 2022

Project Completion: Dec. 2024

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

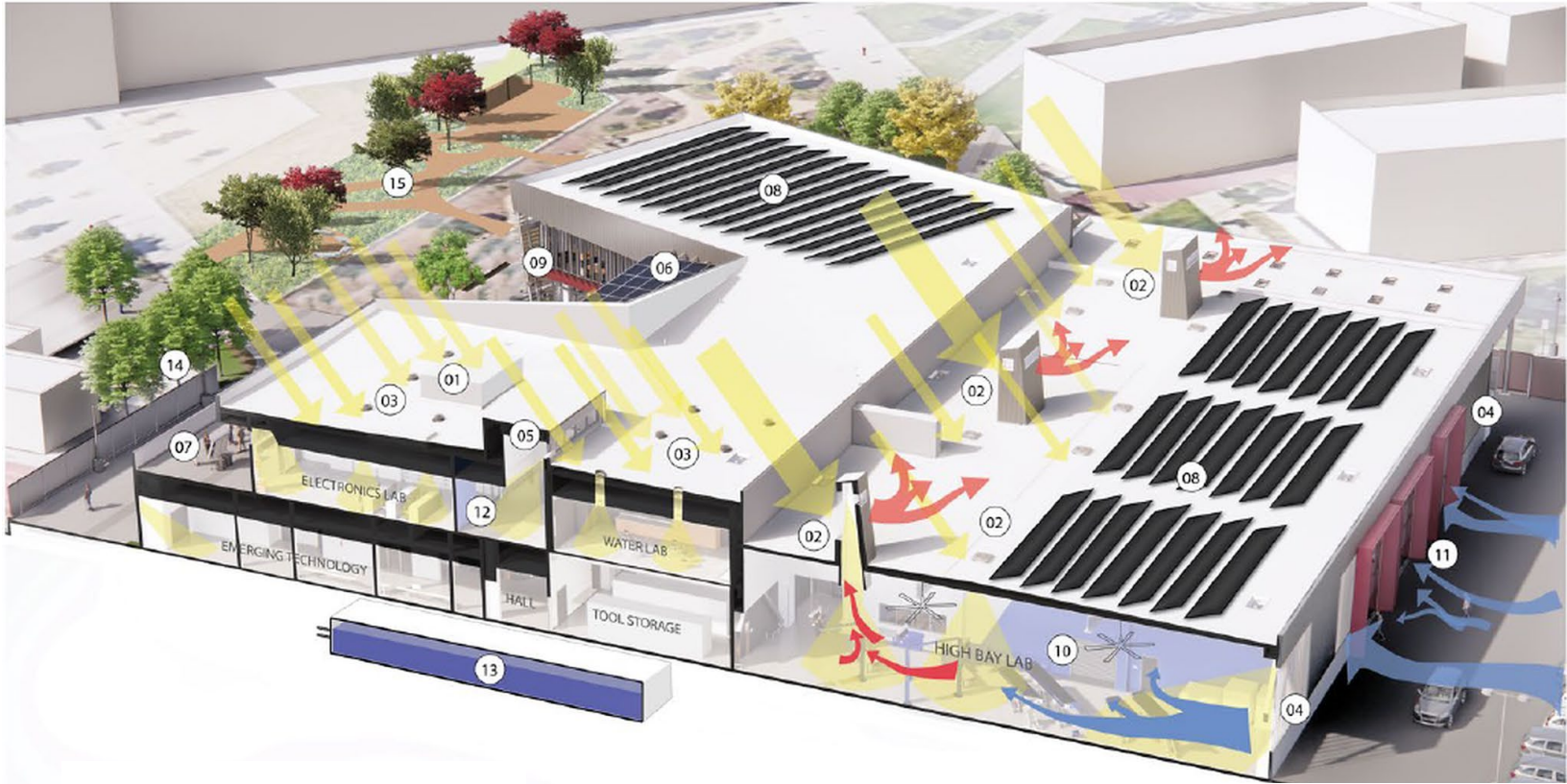
Water Technology

Aeronautics

Electricity & Electronics

HVAC&R

Industrial Automation



Sustainability Features

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

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