

# Technical Building



San Bernardino  
**Valley College**

**Project:** Technical Education Project at SBVC

**Square Feet:** 108,000 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

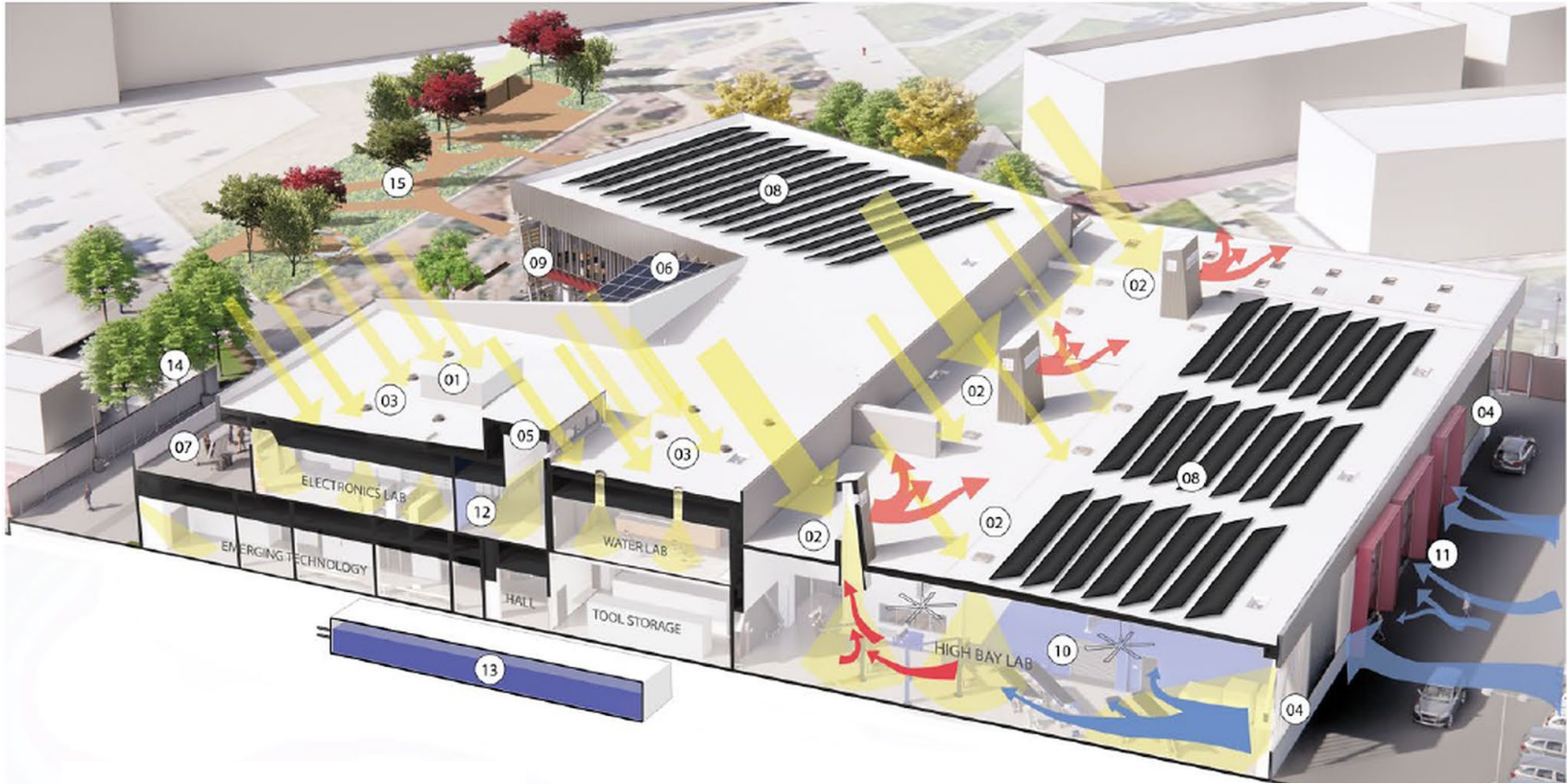
Aeronautics

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