

The Silicon Valley Wire

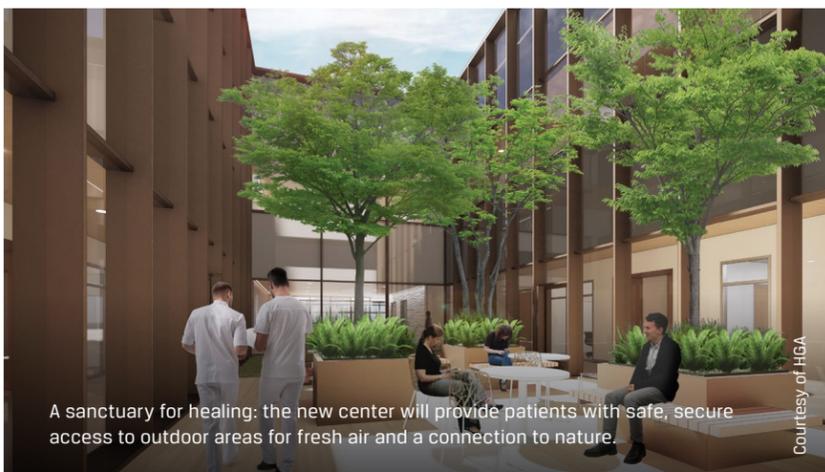
The latest news from the electrical industry in Silicon Valley

3rd Quarter 2025



Prime Electric Powers Mental Health Care at Santa Clara Behavioral Health Center

At the heart of Santa Clara County's commitment to mental health care stands a transformative new project: the Santa Clara Valley Medical Center (SCVMC) Behavioral Health Services Center (BHSC).



Located at 751 South Bascom Avenue in San Jose, this 207,000 square-foot facility is more than just another medical building—it's a new state-of-the-art sanctuary designed to serve children, adolescents, and adults in crisis. The new BHSC will consolidate existing mental health services located in three separate buildings into one acute care facility on the main SCVMC

campus. Helping to bring this vision to life is Prime Electric, an industry leader in the design, installation and maintenance of commercial electrical systems. As the electrical contractor for the BHSC, Prime Electric is providing the advanced power infrastructure required to support this vital community resource for critical mental health care.

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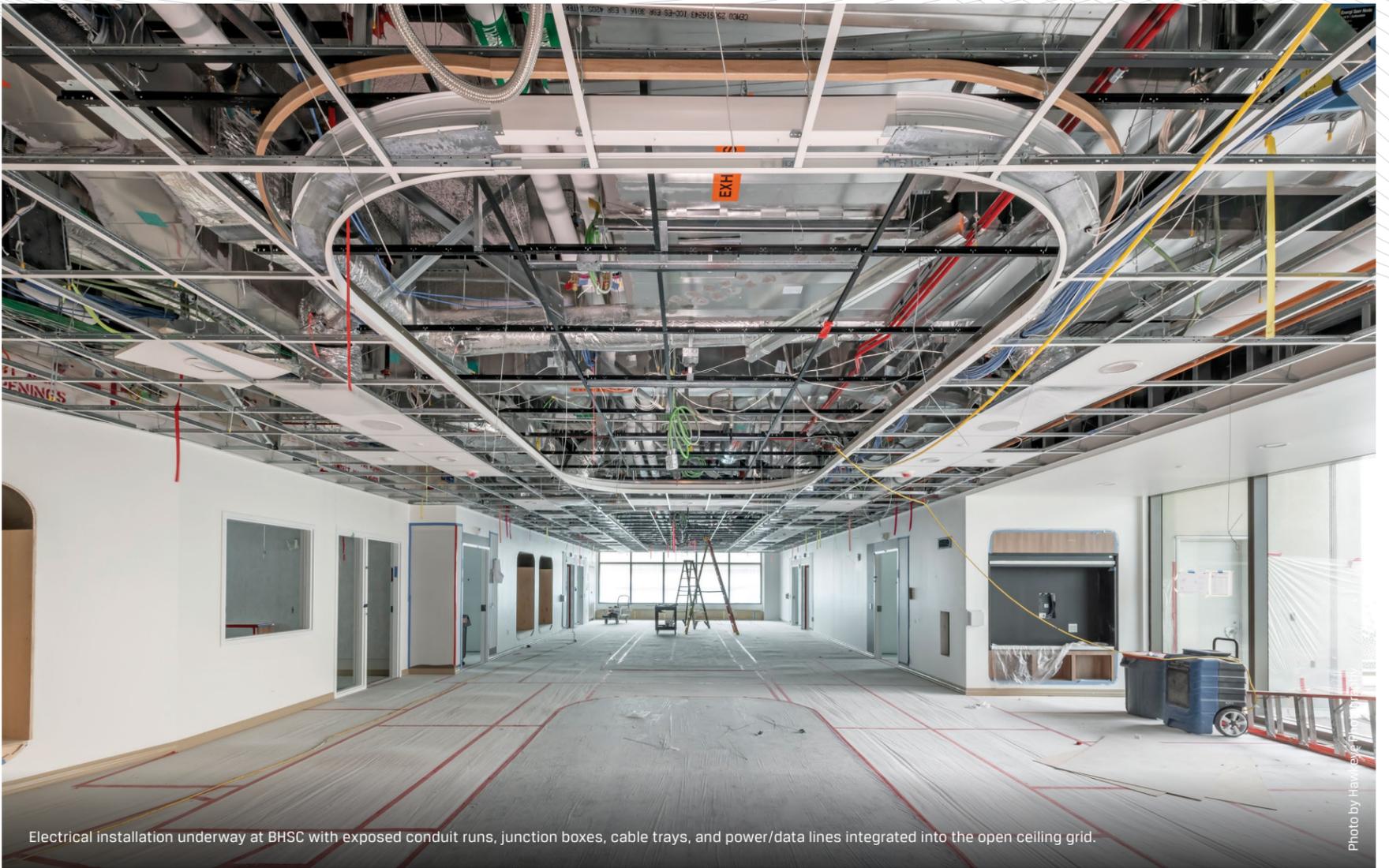
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Electrical installation underway at BHSC with exposed conduit runs, junction boxes, cable trays, and power/data lines integrated into the open ceiling grid.

Photo by Hawkeye Photography

A SANCTUARY OF MENTAL HEALTH SUPPORT

Scheduled for completion in March 2026, the Behavioral Health Services Center will offer comprehensive mental health services for Santa Clara County and surrounding communities. The three-story structure will feature 77 inpatient beds, an emergency psychiatric unit, urgent care services, outpatient programs, and a wide array of specialized spaces to serve vulnerable populations. The BHSC will feature a pedestrian skybridge and an underground pedestrian service tunnel connecting the new center to the SCVMC campus which includes a hospital and related specialty centers, emergency department, a new 700-car parking structure, imaging and lab services and a shared pharmacy.

PRIME ELECTRIC: POWERING WITH PURPOSE

Prime Electric began work on the facility in October 2022 after being selected for the job based on their extensive healthcare

experience and capacity to manage a project of this complexity and scale. Prime Electric's contract totaled \$46 million at the time of award, part of an estimated \$450 million overall project cost. General contractor Webcor Builders leads construction efforts.

"This project is special not just because of its size, but because of what it represents to the community," said Aaron Hanks, Group Executive at Prime Electric. *"We're proud to deliver a robust, resilient electrical system that ensures this facility can serve patients safely and efficiently."*

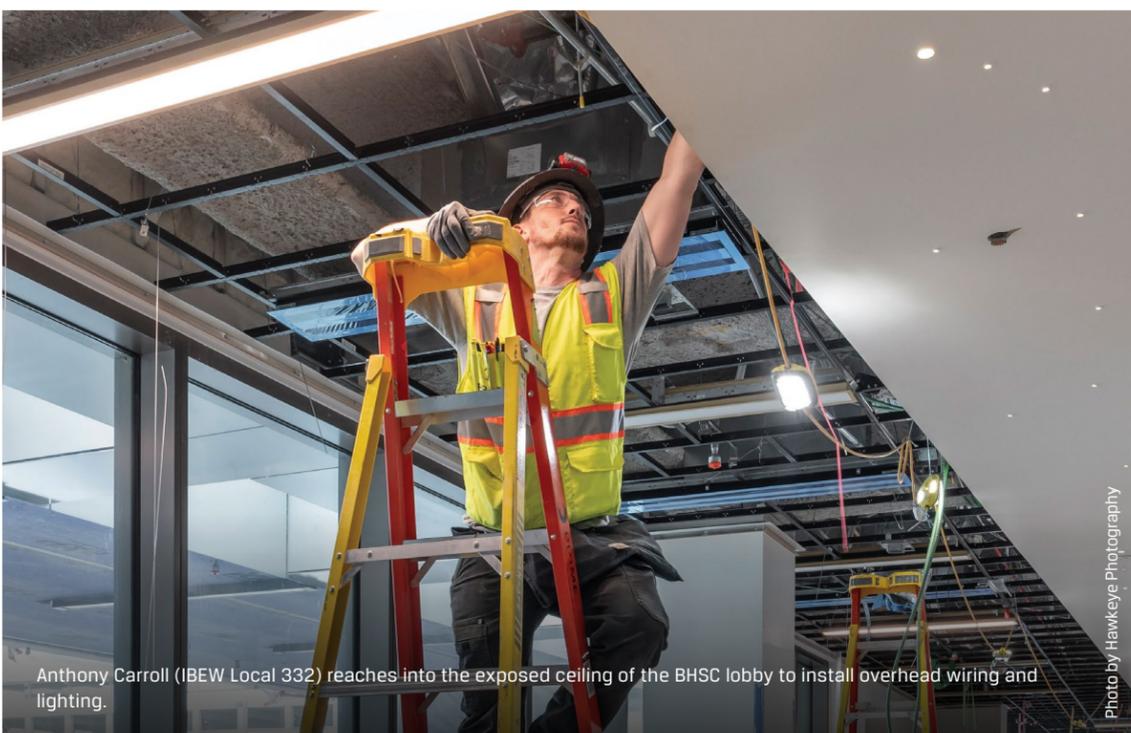
INSIDE THE ELECTRICAL SCOPE

Prime Electric's scope has been comprehensive, covering everything from complete electrical infrastructure including new 15kv medium voltage redundant incoming feeds, site utility improvements, and complete tenant improvements. Prime also provided the fire alarm, and fiber and structured cabling systems.



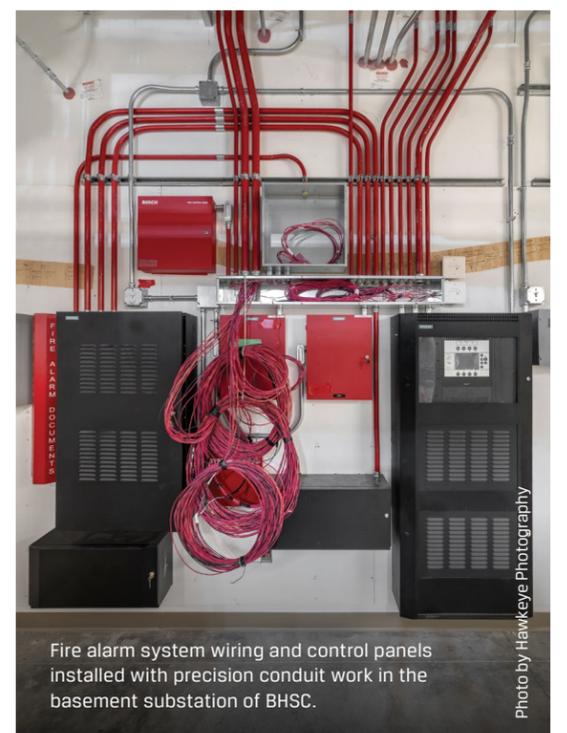
"This project is special not just because of its size, but because of what it represents to the community,"

Aaron Hanks, Group Executive, Prime Electric



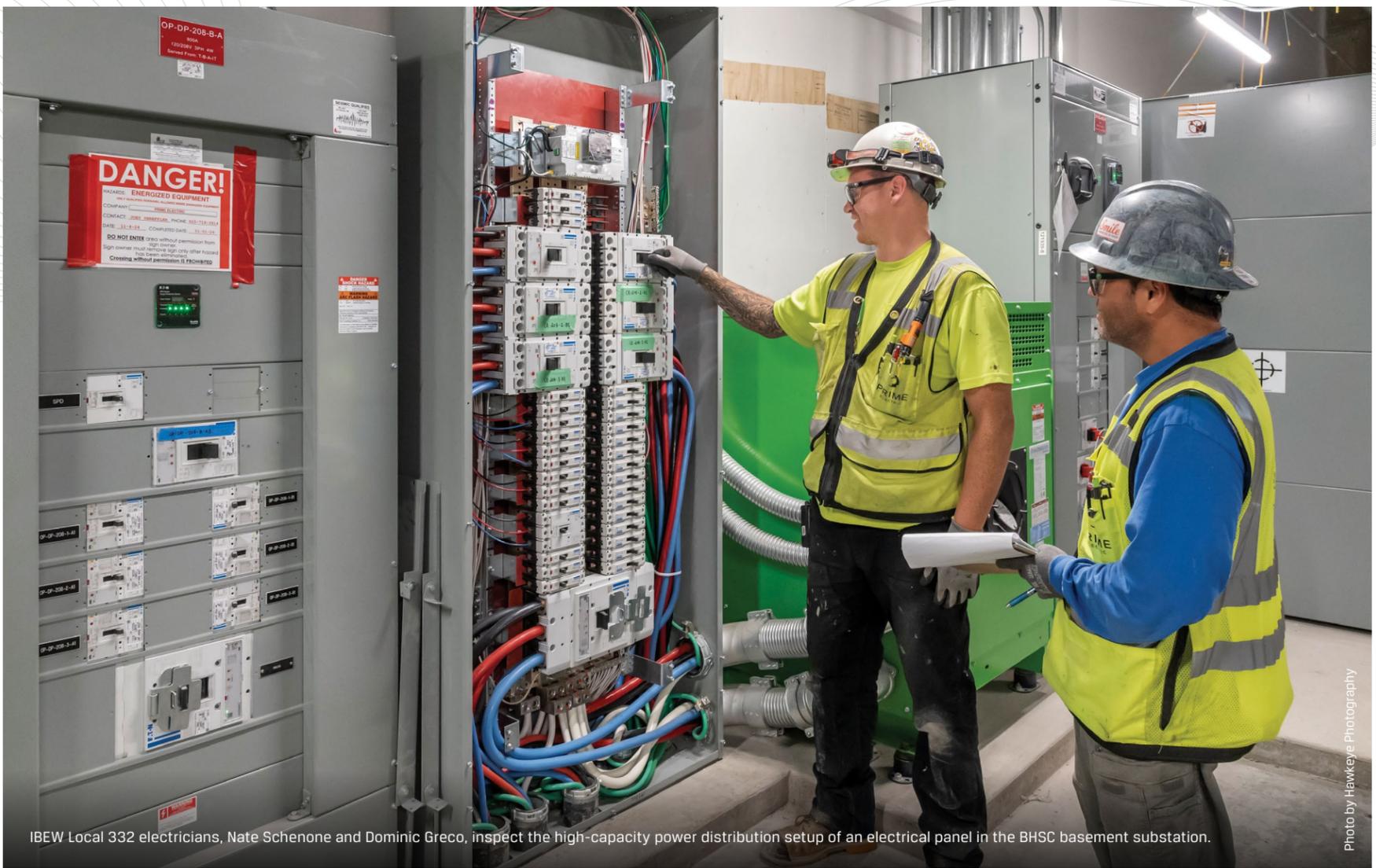
Anthony Carroll (IBEW Local 332) reaches into the exposed ceiling of the BHSC lobby to install overhead wiring and lighting.

Photo by Hawkeye Photography



Fire alarm system wiring and control panels installed with precision conduit work in the basement substation of BHSC.

Photo by Hawkeye Photography



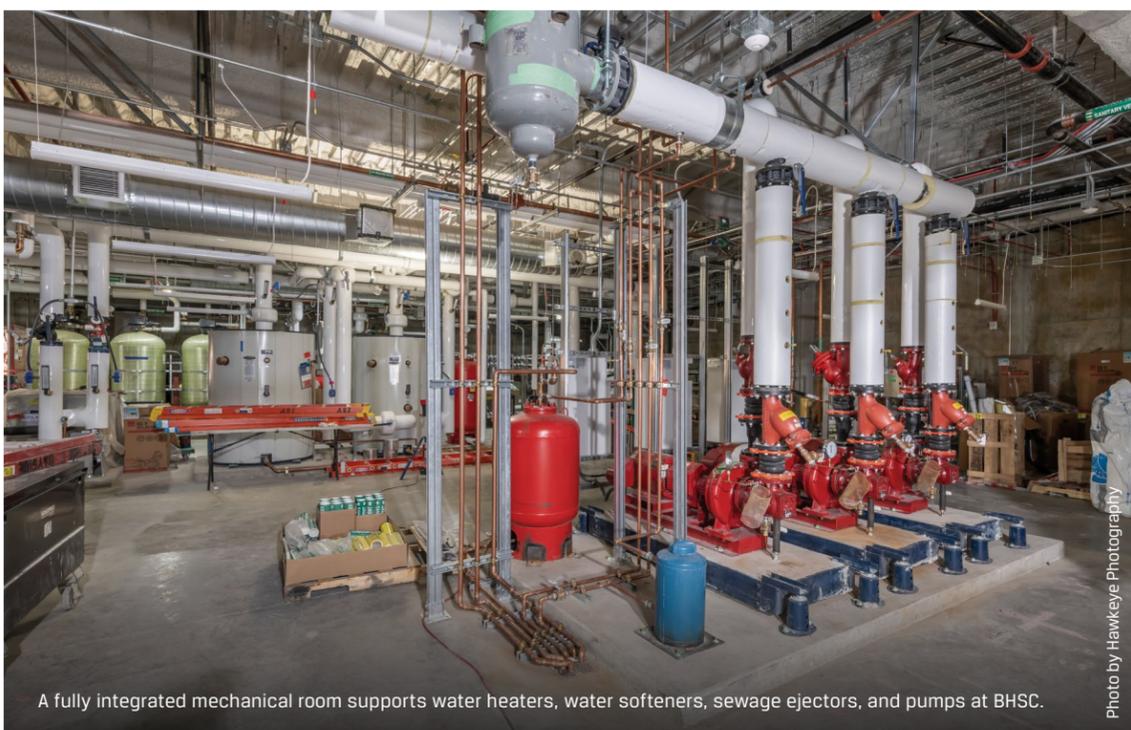
IBEW Local 332 electricians, Nate Schenone and Dominic Greco, inspect the high-capacity power distribution setup of an electrical panel in the BHSC basement substation.

Photo by Hawkeye Photography

KEY INSTALLATIONS INCLUDED:

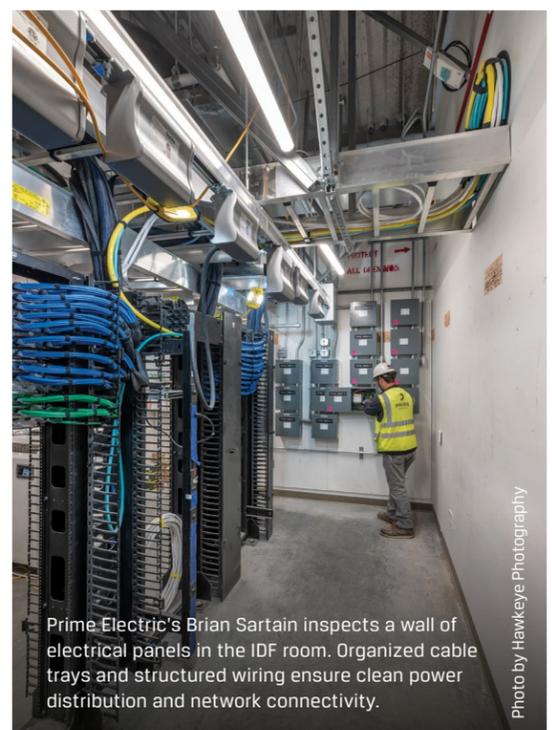
- (2) 12.47kV substations with (3) redundant medium-voltage circuits to ensure uninterrupted power supply.
- (2) 1MW diesel generators with a 12,000-gallon fuel reserve and paralleling switchgear, allowing the entire facility to operate independently for up to 72 hours during outages.
- A Lutron Quantum lighting control system throughout the building, offering intelligent energy management and user comfort.
- Multiple electrical rooms, including normal and emergency main electrical rooms in the basement, and two electrical rooms on each of the three main levels.
- Roof distribution boards power rooftop mechanical systems.
- Fully integrated mechanical rooms in the basement supporting water heaters, water softeners, sewage ejectors, and pumps.
- Prime's Low Voltage Division also delivered end-to-end infrastructure including:
 - OSP and ISP fiber systems
 - Structured cabling
 - A Siemens fire alarm system
 - Provisions for wireless, DAS, and Wi-Fi connectivity

The project also includes EV charging infrastructure and is designed to achieve LEED Gold certification, emphasizing environmental sustainability and energy efficiency.



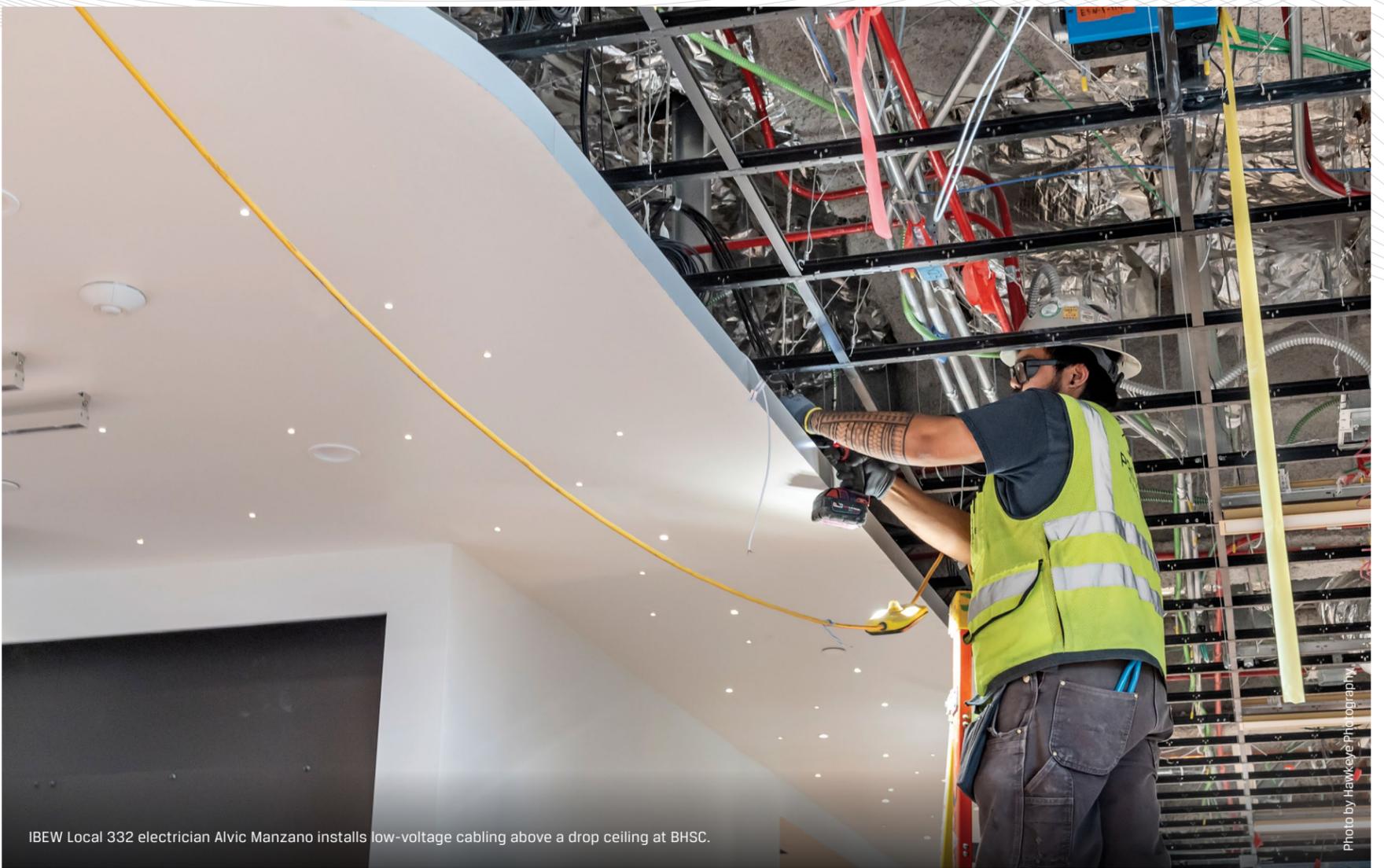
A fully integrated mechanical room supports water heaters, water softeners, sewage ejectors, and pumps at BHSC.

Photo by Hawkeye Photography



Prime Electric's Brian Sartain inspects a wall of electrical panels in the IDF room. Organized cable trays and structured wiring ensure clean power distribution and network connectivity.

Photo by Hawkeye Photography



IBEW Local 332 electrician Alvic Manzano installs low-voltage cabling above a drop ceiling at BHSC.

Photo by Hawkeye Photography

BUILDING FOR SAFETY AND SECURITY

Given the sensitive nature of the facility's purpose, the project was built to OSHPD/HCAi Level 5 standards. This is the highest level of oversight and compliance in psychiatric facility construction. These standards demand meticulous planning, documentation, and construction precision, particularly when it comes to patient safety.

All fixtures and devices within patient-accessible areas are ligature-resistant, designed to prevent self-harm or injury. Lighting, power outlets, switches, and even fasteners are specially selected to meet these high safety standards, and all installations underwent extensive review and approval by the California Department of Health Care Access and Information.

"This is one of the most complex projects we've taken on from a safety standpoint," said Brian Sartain, Senior Project Manager at Prime Electric. *"From procurement to installation, every detail mattered."*

INNOVATION ON THE JOB SITE

To streamline layout and enhance accuracy, the Prime Electric team used a Dusty Robotics layout robot, an advanced tool that automates the marking of wall locations and device placement, helping optimize efficiency and precision during rough-in.

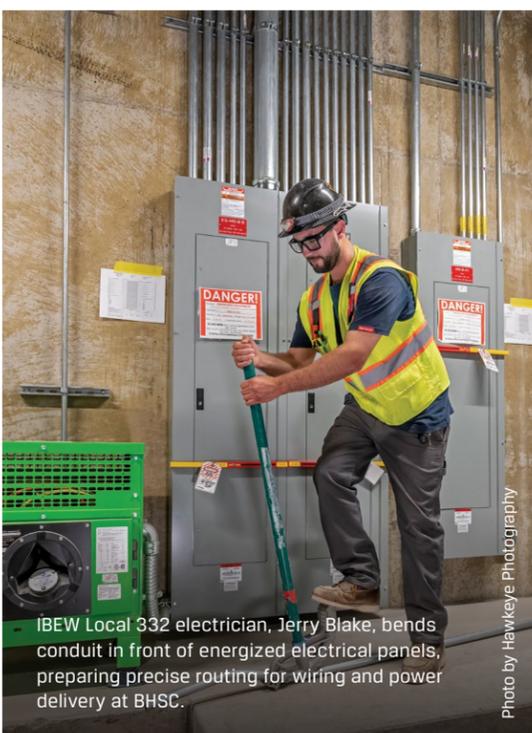


IBEW Local 332 electricians (L-R) Dominic Greco, Jerry Blake, Nate Schenone, Isaiah Levi and Zachary Ferreyra, stand in the basement substation of BHSC showcasing their work on the electrical supply system.

Photo by Hawkeye Photography

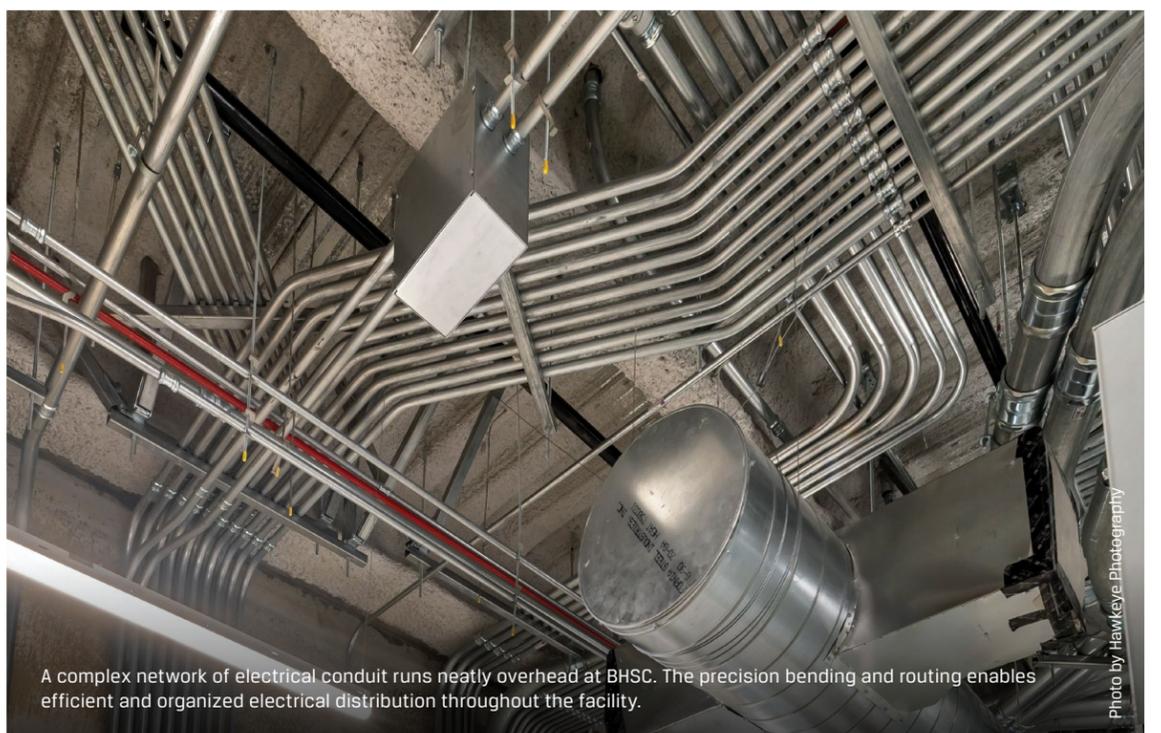
WORKFORCE AND COLLABORATION

At peak construction, Prime Electric had up to 40 electricians from Local 332 on-site. The BHSC project stands as a strong example of union labor excellence and effective interdisciplinary collaboration. Key Prime Electric team members leading the effort include Aaron Hanks, Group Executive; Brian Sartain, Senior Project Manager; Shea Holcomb, Assistant Project Manager; and David Redgrave, Site Superintendent. The team's expertise has been essential to the seamless coordination between Webcor Builders, HGA architects, and other trades involved in this complex project.



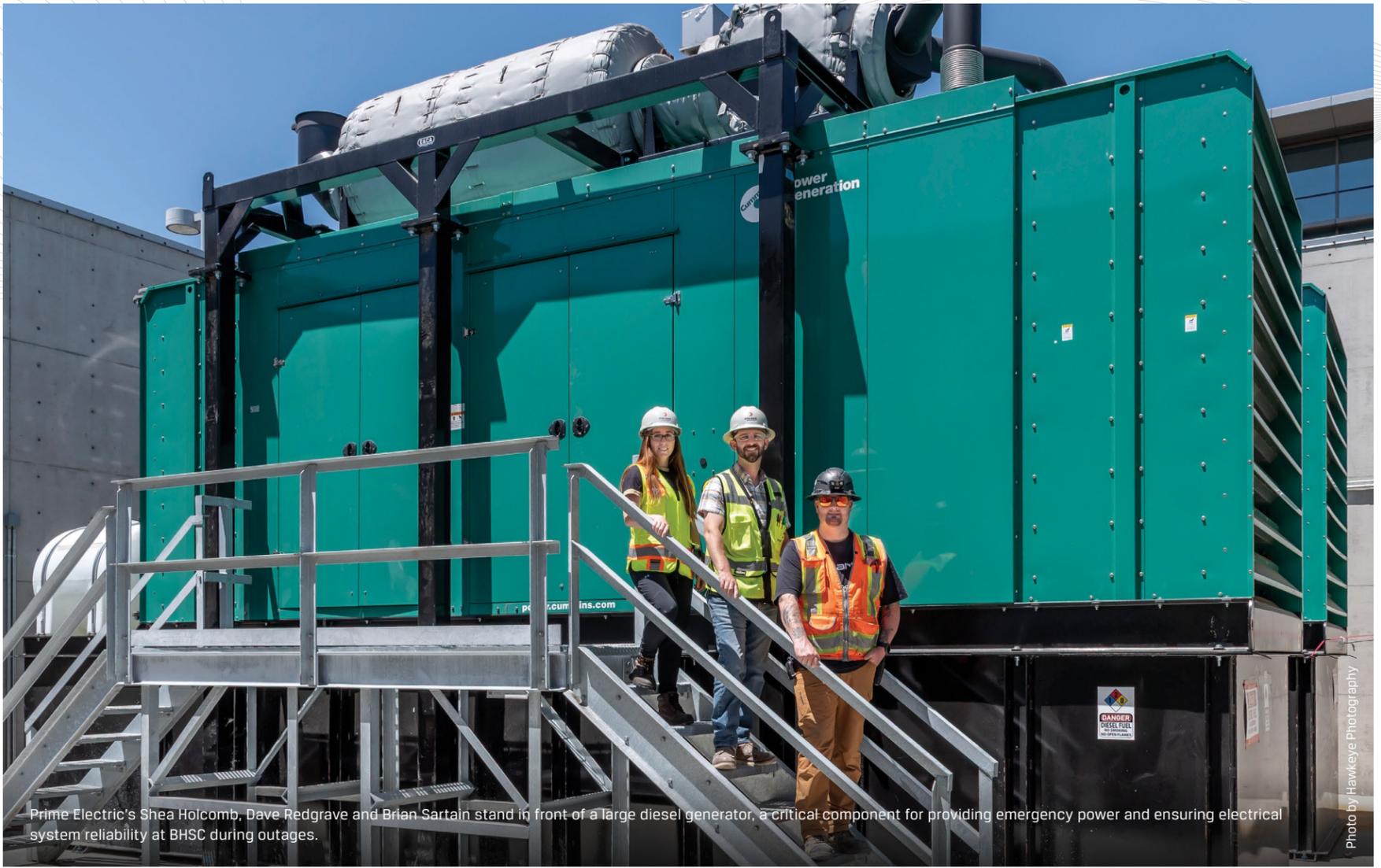
IBEW Local 332 electrician, Jerry Blake, bends conduit in front of energized electrical panels, preparing precise routing for wiring and power delivery at BHSC.

Photo by Hawkeye Photography



A complex network of electrical conduit runs neatly overhead at BHSC. The precision bending and routing enables efficient and organized electrical distribution throughout the facility.

Photo by Hawkeye Photography



Prime Electric's Shea Holcomb, Dave Redgrave and Brian Sartain stand in front of a large diesel generator, a critical component for providing emergency power and ensuring electrical system reliability at BHSC during outages.

Photo by Hawkeye Photography

LOOKING AHEAD

As the project approaches its final phases, anticipation is building among community members, healthcare professionals, and the Prime Electric team alike.

"We're not just powering a building—we're helping power healing," said Hanks. *"This facility will touch countless lives, and knowing we played a role in that is incredibly meaningful."*

When doors open in 2026, the Santa Clara Behavioral Health Services Center will stand as a testament to what's possible when innovation, care, and technical excellence come together—and Prime Electric will have helped wire every step of the way.

Prime Electric is one of the most prolific and successful electrical construction contractors on the west coast. With primary markets in the tech-centric regions of Seattle, Portland and Silicon Valley, Prime has extensive experience across all industry groups and delivery models. Prime provides a full spectrum of services to its clientele – and has exponentially grown its team and retained clients over three decades as a result. Prime Electric is a proud member of the National Electrical Contractors Association (NECA) Santa Clara Valley Chapter. For more information about Prime Electric, Inc. and its services, contact Aaron Hanks at 925-961-1600 or ahanks@primee.com. <https://www.primee.com>

BHSC PROJECT TEAM

OWNER:

County of Santa Clara

ARCHITECT:

HGA

GENERAL CONTRACTOR:

Webcor Builders

CONSTRUCTION MANAGER:

Conсор

ELECTRICAL CONTRACTOR:

Prime Electric

A/V AND SECURITY:

Comtel

FIRE ALARM SYSTEM:

Prime Electric/Siemens

ELECTRICIANS AND TECHNICIANS:

40 union workers from International Brotherhood of Electrical Workers (IBEW) Local 332, San Jose



IBEW Local 332 electricians and the project management team from Prime Electric pose at the BHSC job site in May 2025.

Photo by Hawkeye Photography



A robust underground electrical system powers advanced LED lighting across the Reed & Grant Sports Park in Santa Clara, ensuring bright, focused illumination for evening activities.

Photo by Hawkeye Photography

Wired for Play: Bear Electrical Energizes Reed & Grant Sports Complex

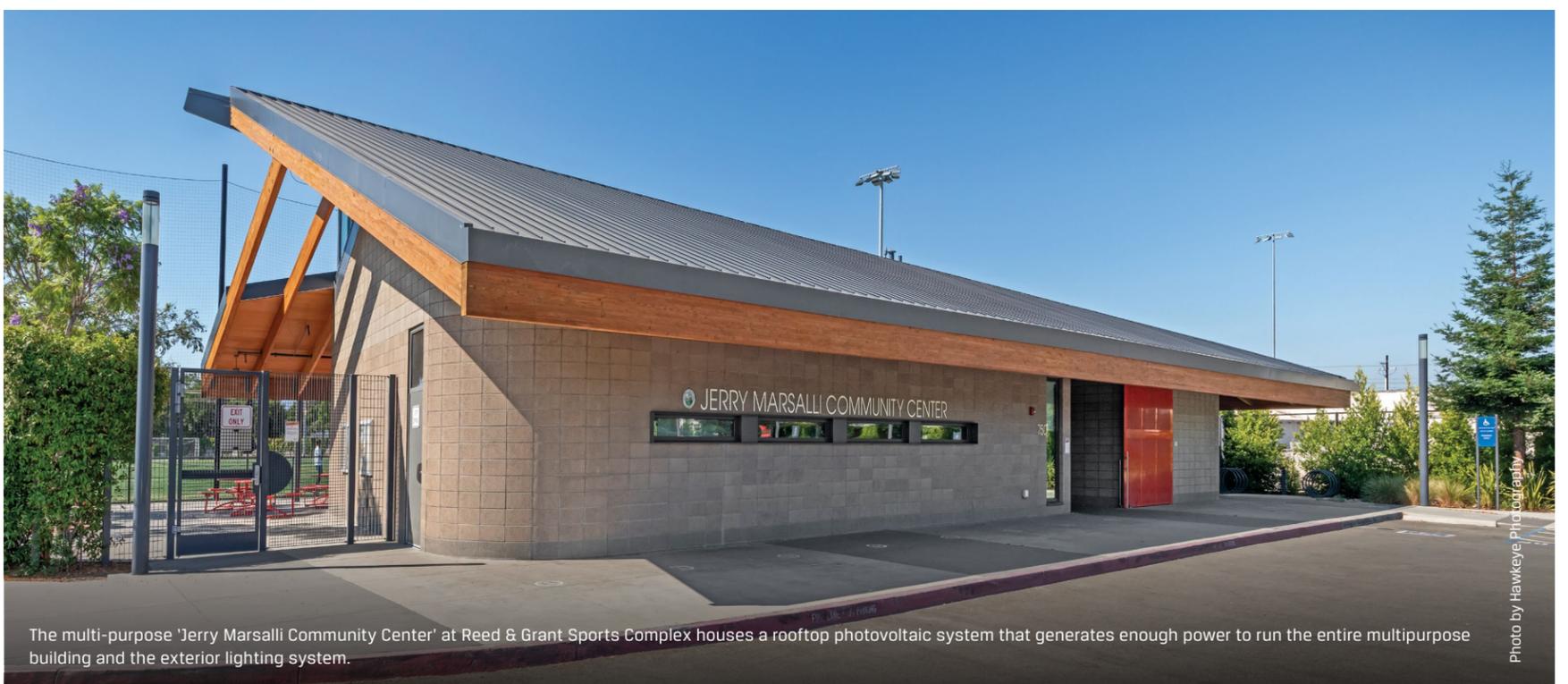
When the City of Santa Clara set out to transform a dormant industrial lot into a vibrant and sustainable hub for recreation, they needed an electrical partner with deep technical and sustainable design expertise as well as a strong understanding of how infrastructure impacts communities every day. The City of Santa Clara turned to Bear Electrical Solutions, whose vision and innovation is now powering one of the region's most transformative community recreation projects –the Reed & Grant Sports Complex.

Located at the southwest corner of the intersection of Reed Street and Grant Street in Santa Clara, the Reed & Grant Sports Complex is a showcase of how thoughtful infrastructure can serve both community needs and environmental goals. Spanning 9.75 acres, the park features five athletic fields equipped with advanced lighting that enables up to 14-hours of intensive game play per day. The park also boasts a versatile 3,500-square-foot multipurpose building that accommodates a diverse schedule of community programming, as well as children's playgrounds, a concession stand, public restrooms and on-site lighted parking with EV charging stations.

Bear Electrical was instrumental in helping the city achieve its ambitious sustainability goals by delivering comprehensive electrical solutions that prioritize energy efficiency, renewable power, and long-term environmental impact.

Bear's contributions included:

- Complex underground electrical infrastructure
- Advanced sports field and parking lot lighting
- Installation of EV charging stations
- Solar power integration with rooftop photovoltaics



The multi-purpose 'Jerry Marsalli Community Center' at Reed & Grant Sports Complex houses a rooftop photovoltaic system that generates enough power to run the entire multipurpose building and the exterior lighting system.

Photo by Hawkeye Photography



The playing fields at Reed & Grant Sports Park are illuminated by energy-efficient LED fixtures with precision optics and smart controls, delivering clear and even lighting for nighttime gameplay.

Photo by Hawkeye Photography

Bear Electrical laid the groundwork for Reed & Grant's advanced systems with a modern underground electrical network. This robust conduit system supports everything from LED field lighting and solar power to EV charging, all while ensuring safety, reliability, and room for future expansion.

One of the project's highlights is its advanced outdoor lighting system. Using energy-efficient LED fixtures with precision optics and smart controls, the system delivers bright, focused lighting only where it's needed—reducing glare, cutting energy use, and improving the experience for athletes, spectators and the surrounding community.

In the parking lot, Bear installed eleven Level 2 EV charging stalls, offering visitors a convenient way to charge their vehicles while enjoying the park. Bear also implemented a high-performance lighting system in the parking area to maximize energy efficiency while enhancing visibility and safety for pedestrians and drivers.

To top it all off, Bear integrated a 40-kilowatt solar array mounted on the rooftop of the multipurpose building. The photovoltaic system generates enough power to run the entire multipurpose building and the exterior lighting system, offsetting utility costs and reducing the facility's carbon footprint.

"We set out to deliver a system that would power the park efficiently and sustainably for years to come," said Brent Paulson, Vice President of Operations at Bear Electrical Solutions. "From the underground infrastructure to the lighting and solar integration, every element was designed with long-term energy efficiency in mind—to reduce costs, support future growth, and serve the community well into the future."

The expertise of the team at Bear Electrical was the foundation for the success of the Reed & Grant Sports Complex project. The Bear team was led by Victor Cruz, Senior Project Manager, and supported by the most professional and highly trained electricians in the construction industry from the International Brotherhood of Electrical Workers (IBEW) Local 332 in San Jose. The Reed & Grant project team included 15 union technicians and electricians from Local 332.

**CITY OF SANTA CLARA
REED & GRANT SPORTS COMPLEX
PROJECT TEAM**

OWNER:

City of Santa Clara

ARCHITECT:

LPA

GENERAL CONTRACTOR:

O.C. Jones

ELECTRICAL CONTRACTOR:

Bear Electrical Solutions

A/V & FIRE ALARM:

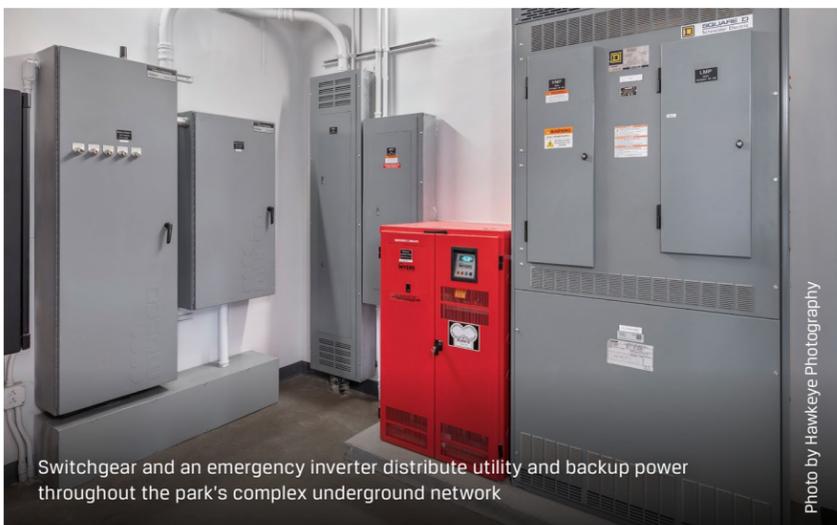
Signa West Systems

SECURITY SYSTEM:

Edleman Corporation

ELECTRICIANS AND TECHNICIANS:

15 workers from International Brotherhood of Electrical Workers (IBEW) Local 332, San Jose



Switchgear and an emergency inverter distribute utility and backup power throughout the park's complex underground network

Photo by Hawkeye Photography



The 40-kilowatt solar array mounted on the multipurpose building offsets utility costs and reduces the facility's carbon footprint.

Photo by Hawkeye Photography

Bear Electrical Energizes Reed & Grant Sports Complex

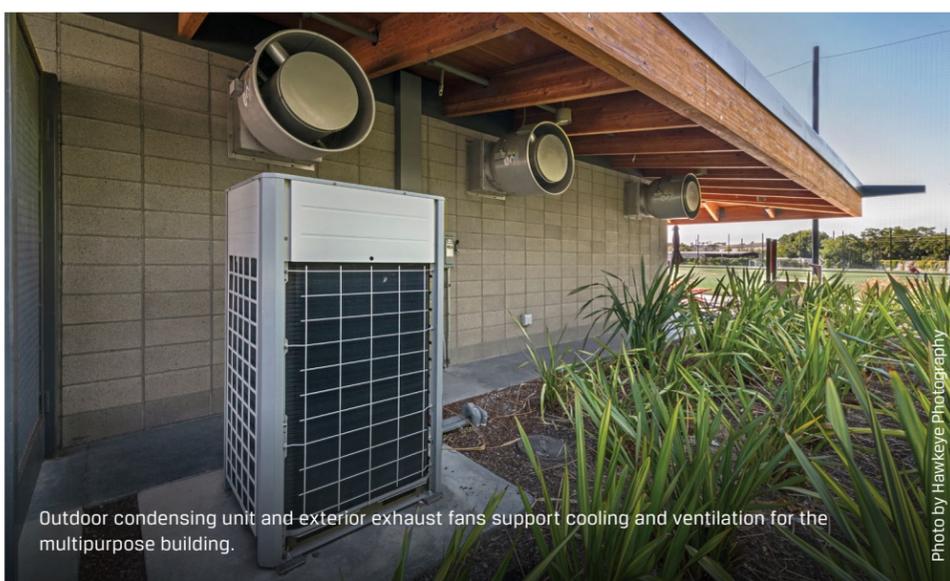


The high-performance lighting system installed throughout the Reed & Grant Sports Complex enhances nighttime visibility for athletes and spectators while minimizing impact on the surrounding community.

Photo by Hawkeye Photography

WHY BEAR WAS THE RIGHT FIT FOR REED & GRANT

- ✓ Public Project Experience with municipal requirements and inspections
- ✓ Technical Expertise in solar, EV charging, and advanced lighting systems
- ✓ Sustainability focus aligned with the city's climate goals
- ✓ Collaborative approach that keeps projects on track
- ✓ Skilled union workforce delivering safe, high-quality results

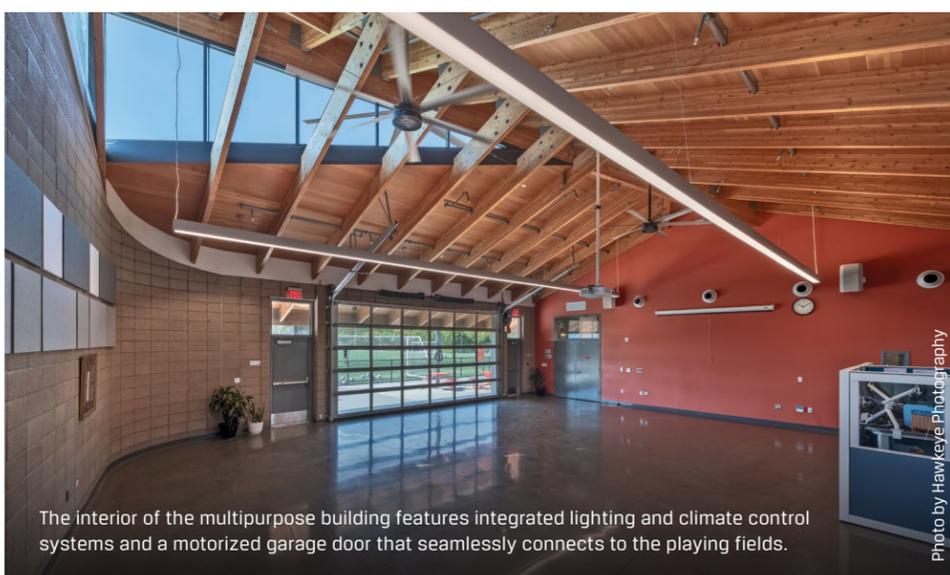


Outdoor condensing unit and exterior exhaust fans support cooling and ventilation for the multipurpose building.

Photo by Hawkeye Photography

ABOUT BEAR ELECTRICAL SOLUTIONS

Based in Northern California, Bear Electrical Solutions provides full-service electrical contracting with a focus on innovation, safety, and sustainability. Their work spans commercial, civic, and industrial sectors across the Bay Area.



The interior of the multipurpose building features integrated lighting and climate control systems and a motorized garage door that seamlessly connects to the playing fields.

Photo by Hawkeye Photography