



PREFABRICATED CONSTRUCTION

KHS&S CONTRACTORS





WORLD MARKET CENTER, BUILDINGS A & B
LAS VEGAS, NEVADA
2.9M SF OF PREFABRICATED EXTERIOR WALL PANELS

KHS&S is one of the leading interior / exterior design-assist building companies in the world. Founded in 1984, we've built our business on the cornerstone of one key philosophy – achieving excellence in everything we do.

From its foundation as one of the largest specialty wall and ceiling contractors in the United States, KHS&S has developed a full range of services and companies that focus on the whole project. From using technology to bring building teams together to create virtual project modeling to combining art and construction to create spectacular finishes and themed environments, KHS&S is setting the standard for innovative and leading-edge building practices around the globe.

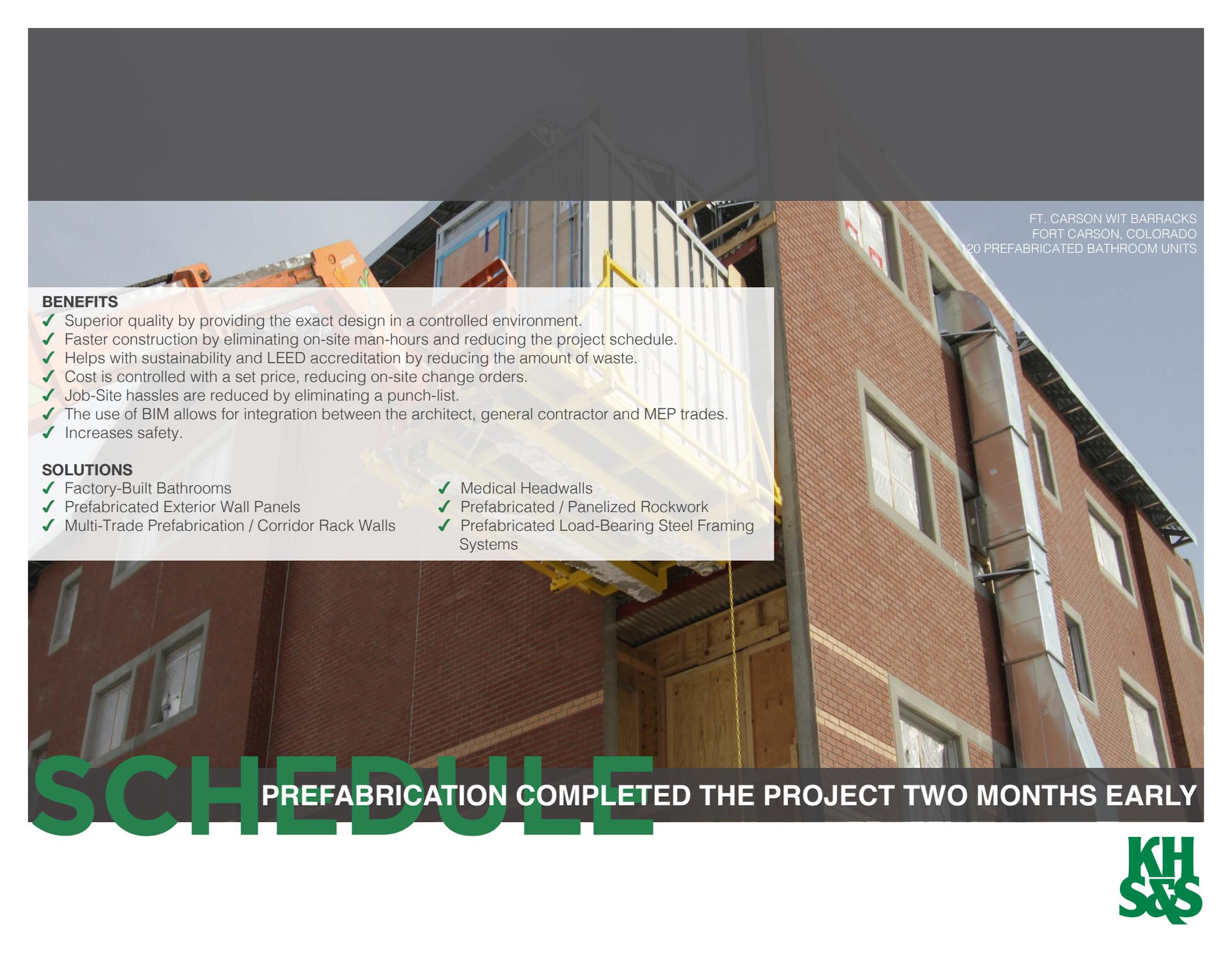
KHS&S has an award-winning portfolio of more than 2,500 commercial projects located across the world. These projects include major resorts, gaming and entertainment centers, theme parks, commercial office buildings, hospitals, airports, convention centers and government facilities.

Today, through a network of more than 15 offices strategically located in construction hubs around the world, we offer a full spectrum of preconstruction and construction services to the international marketplace. Due to our broad range of services and resources, KHS&S can enter a project at any stage, whether it be for consultation, virtual project delivery, targeted design assistance, value engineering, custom finish creation or specialty construction services. Regardless of our scope of work, our mission is to help you deliver the best project, on schedule and with exceptional value.

KHS&S – the global leader in interior/exterior design-assist construction.

INNOVATION BRINGING TOGETHER DESIGN-ASSIST, PREFABRICATION & BIM





FT. CARSON WIT BARRACKS
FORT CARSON, COLORADO
120 PREFABRICATED BATHROOM UNITS

BENEFITS

- ✓ Superior quality by providing the exact design in a controlled environment.
- ✓ Faster construction by eliminating on-site man-hours and reducing the project schedule.
- ✓ Helps with sustainability and LEED accreditation by reducing the amount of waste.
- ✓ Cost is controlled with a set price, reducing on-site change orders.
- ✓ Job-Site hassles are reduced by eliminating a punch-list.
- ✓ The use of BIM allows for integration between the architect, general contractor and MEP trades.
- ✓ Increases safety.

SOLUTIONS

- ✓ Factory-Built Bathrooms
- ✓ Prefabricated Exterior Wall Panels
- ✓ Multi-Trade Prefabrication / Corridor Rack Walls
- ✓ Medical Headwalls
- ✓ Prefabricated / Panelized Rockwork
- ✓ Prefabricated Load-Bearing Steel Framing Systems

SCHEDULE PREFABRICATION COMPLETED THE PROJECT TWO MONTHS EARLY



MAJOR TEXAS TEACHING HOSPITAL
DALLAS, TEXAS
315 PREFABRICATED BATHROOM UNITS

BATHROOMS BY NORTH AMERICA'S LEADING PREFAB MANUFACTURER

Manufactured by Eggrock Modular Solutions, factory-built bathrooms are designed and accessorized precisely to your architectural plans and then built under controlled factory conditions as individual modules. Units are complete with all framing, tiles and fixtures. Once the unit is complete and inspected, the door is locked and the bathroom is packaged and delivered directly to the job site. The result is high-quality bathrooms with fewer hassles and no punch list.

Factory-built bathrooms are just one example of how KHS&S is providing innovative solutions to your largest building problems.

- ✓ Bathrooms are removed from the critical path
- ✓ Built ahead of time and ready when needed
- ✓ Easy to install on site
- ✓ 100% factory inspected
- ✓ Locked doors prevent unwanted access
- ✓ Guaranteed brand compliance
- ✓ Built in a controlled environment
- ✓ Maintain tight tolerances
- ✓ Computer based design and manufacturing

Factory-built bathrooms can be integrated into a variety of project types including hospitals, hotels, military, student housing, assisted living and a variety of other uses.

LEAN PREFABRICATION REDUCES MATERIAL WASTE AT THE JOB SITE

EXPERIENCE

- ✓ Broadmoor West Hotel
- ✓ Ft. Carson WIT Barracks
- ✓ Hilton Garden Inn

- ✓ Marriott at L.A. Live
- ✓ St. Joseph Exempla Hospital
- ✓ University of Texas Southwestern Medical Center

- ✓ Virginia Mason Medical Center
- ✓ Wellington Regional Medical Center



THUNDER VALLEY, PHASE II
LINCOLN, CALIFORNIA
480 PREFABRICATED EXTERIOR WALL PANELS

BUILD CUSTOMIZED WALL PANELS FASTER

The KHS&S prefabricated exterior wall panel system offers a quick, efficient and durable alternative to the traditional enclosure of your project.

The largest Dryvit installer in the United States, KHS&S has installed prefabricated exterior wall panels for more than a decade.

Our project team develops complete shop drawings to ensure your panel system meets your project requirements and fits exactly as intended to eliminate costly delays, job site hassles and structural concerns.

Although most of the panels we install are EIFS, KHS&S can construct prefabricated panels out of a variety of materials, including GFRC and brick veneers.

- ✓ Speeds building enclosure
- ✓ Provides fewer job site hassles
- ✓ Fabricated to exact specifications
- ✓ Fabricated in environmentally-controlled indoor facility or on site
- ✓ Delivered ready to install
- ✓ Completed in a multitude of exterior finishes
- ✓ Perfect for commercial, retail, themed, or hotel projects
- ✓ KHS&S is the only subcontractor to receive an extended warranty from Dryvit on EIFS

ROI

FASTER ENCLOSURE RESULTS IN A QUICKER REVENUE STREAM FOR THE OWNER

EXPERIENCE

- ✓ Aqua Caliente
- ✓ Allure
- ✓ Caesars Palace

- ✓ Casino Morongo
- ✓ Golden Nugget
- ✓ Harrah's Rincon Casino
- ✓ Manchester Grand Hyatt

- ✓ One Las Vegas
- ✓ Pala Casino
- ✓ Pechanga Casino Resort
- ✓ Red Rock Casino Resort

- ✓ Renown Medical Center
- ✓ Thunder Valley, Phase II
- ✓ Turnberry Place, Towers 3 & 4
- ✓ World Market Center



SMYTH COUNTY COMMUNITY HOSPITAL
MARION, VIRGINIA
89 PREFABRICATED CORRIDOR RACKS

MULTIPLE TRADES / INTEGRATED PREFABRICATION

Using BIM in concert with the MEP contractor and electrician, KHS&S can prefabricate corridor racks, expediting construction of these time-intensive building components. KHS&S develops the framing plan and fabricates the frame off-site. Once MEP contractors complete their work scopes, the wall assembly is attached to the frame and the completed unit is transported to the hospital, where it is installed.

- ✓ Substantial schedule savings
- ✓ Reduced on site man-hours
- ✓ Increased schedule flexibility
- ✓ Better quality through controlled production environment
- ✓ Enhanced MEP coordination
- ✓ Fewer job site hassles

INTEGRATION

COORDINATION WITH MULTIPLE TRADES

EXPERIENCE

- ✓ Capital Regional Medical Center
- ✓ Smyth County Community Hospital

- ✓ Tradition Medical Center
- ✓ University Medical Center of New Orleans
- ✓ Virginia Mason Medical Center



CHILDREN'S HOSPITAL LOS ANGELES
LOS ANGELES, CALIFORNIA
348 PREFABRICATED MEDICAL HEADWALL UNITS

INNOVATIVE HEADWALLS STREAMLINE HOSPITAL CONSTRUCTION

Prefabricated medical headwall units integrate essential services, such as medical gases and communication and electrical devices, into one unit.

KHS&S' headwall units are delivered pre-piped and pre-wired, reducing the costs of plumbing and electrical installation. KHS&S will work with your project team to develop customized framing plans for headwall units that fit your stringent requirements. KHS&S then oversees the fabrication process in a highly controlled environment and installs the framed openings for the units on-site. Once the headwalls are fabricated, KHS&S can quickly install them, moving the project even closer to completion.

- ✓ Simplifies and speeds construction and installation.
- ✓ Plugs and outlets placed for convenient access.
- ✓ Customized by size and surface covering.
- ✓ Makes efficient use of limited space.

SIMPLICITY

ALLOWS FOR PLUG & PLAY INSTALLATION

EXPERIENCE

- ✓ Capital Regional Medical Center
- ✓ Children's Hospital Los Angeles
- ✓ Children's Hospital of Orange County

- ✓ Kendell Hospital
- ✓ Santa Barbara Cottage Hospital, Phase IV
- ✓ Smyth County Community Hospital

- ✓ Tradition Medical Center
- ✓ University Medical Center of New Orleans
- ✓ Virginia Mason Medical Center





WDI CALIFORNIA AMUSEMENT PARK RIDE
ANAHEIM, CALIFORNIA
9,000 UNIQUE ROCKWORK PANELS

REVOLUTIONIZING ROCKWORK CONSTRUCTION

Using lean construction, KHS&S has revolutionized the way large rockwork projects are designed, fabricated and installed with its proprietary Rockwork Panelization System. It's a high-tech solution to a time-consuming, labor-intensive building process.

KHS&S' Water Feature and Rockwork Technology Group has spent years perfecting a system that integrates all phases of design, fabrication and installation into a lean process. Using scanning and proprietary software, KHS&S creates digital representations of original rockwork designs. Data is then manipulated and broken down into sections to create individual building panels, which are then fabricated to exact dimensions, labeled and sent to the job site and installed. The result is precise and consistent replication of the original design.

- ✓ Lowers costs and increases control
- ✓ Reduces construction time
- ✓ Reduces waste.
- ✓ Can be used for any organic shape
- ✓ Uses just-in-time manufacturing
- ✓ Fully documented and integrated quality control system
- ✓ Controlled by digital data through all phases of the process for further accuracy
- ✓ Allows data reusability for consistent construction among multiple projects
- ✓ Uses clash detection to ensure accurate fabrication and installation

DESIGN INTENT

EXACT REPLICATION OF THE DESIGNER'S CONCEPT

EXPERIENCE

- ✓ Hillside Memorial Park
- ✓ Tucson Museum of Miniatures, Tree (Plaster)

- ✓ WDI California Amusement Park Ride
- ✓ WDI California & Florida Amusement Park Rides

- ✓ WDI Hawaii Resort
- ✓ White House of Ebbsfleet (Plaster)



POLY CANYON VILLAGE
SAN LUIS OBISPO, CALIFORNIA
LEED CERTIFIED GOLD
11,000 LOAD-BEARING WALL PANELS

FAST-FORWARD YOUR CONSTRUCTION SCHEDULE

Pre-engineered and prefabricated systems substantially reduce framing time, allowing other trades to get on the job more quickly and faster completion of your project.

KHS&S offers a design-to-installation, engineered wall, floor and truss system produced off site and shipped to the job site. Our system offers quality control benefits, such as improved precision and fabrication in a controlled environment. Plus, our 3D modeling lets us identify design and building issues before your project breaks ground.

Our load-bearing steel framing system helped KHS&S shave six months off the original 20-month schedule at Poly Canyon Village at Cal Poly University, where we installed 11,000 prefabricated load-bearing wall panels.

- ✓ Appropriate for commercial projects up to six stories
- ✓ Powered by BIM
- ✓ Reduces costs related to labor, foundation and insurance
- ✓ Improves job site logistics with fewer trades and laborers on site
- ✓ Harnesses the strengths of steel, such as durability, insulation, consistency of material and environmental benefits
- ✓ One source accountability



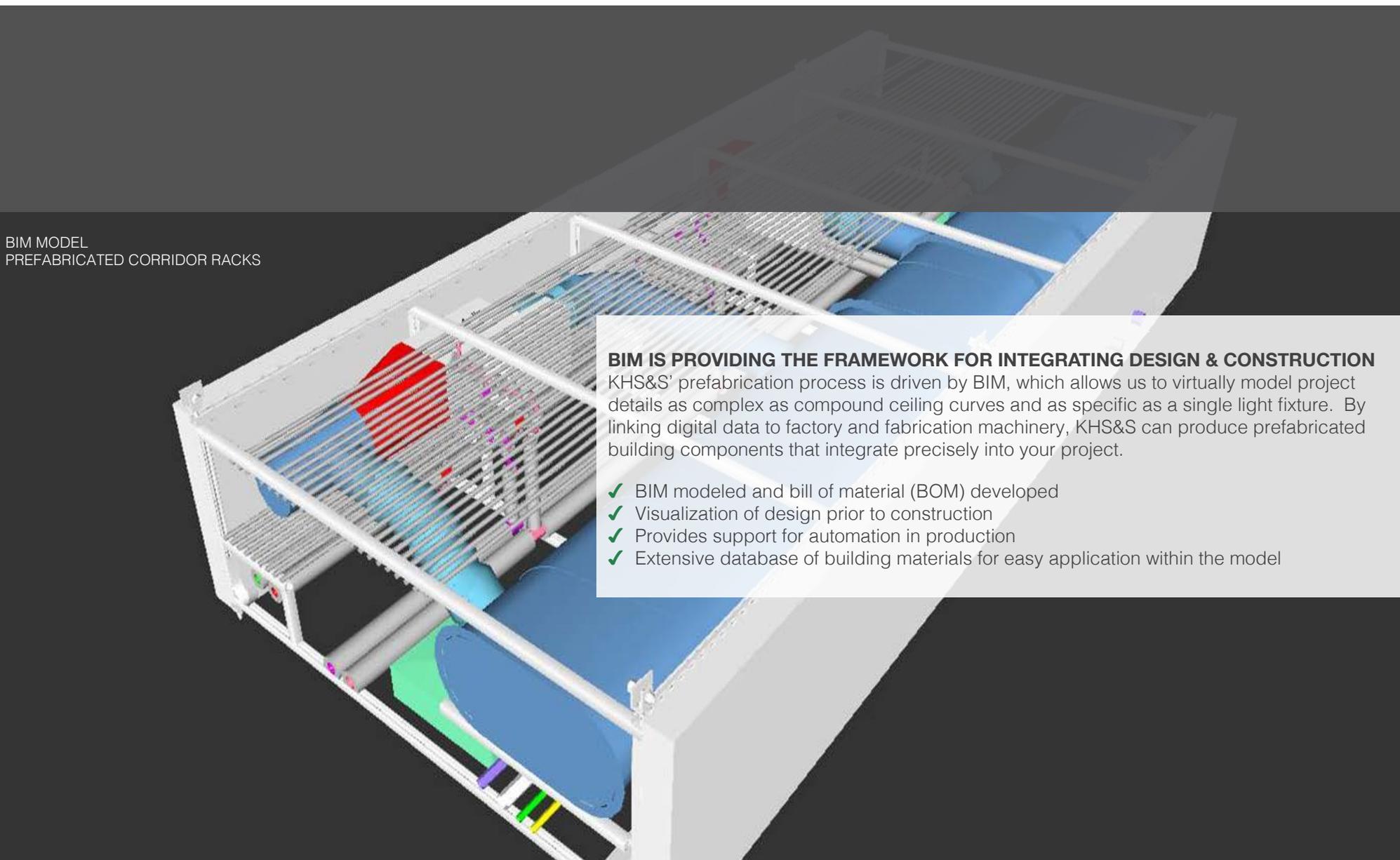
LEED THE VILLAGE IS THE LARGEST LEED STUDENT HOUSING COMMUNITY IN THE U.S.

EXPERIENCE

- ✓ Del Mar Station
- ✓ Fuller Seminary

- ✓ Poly Canyon Village
- ✓ Wilshire Vermont





BIM MODEL
PREFABRICATED CORRIDOR RACKS

BIM IS PROVIDING THE FRAMEWORK FOR INTEGRATING DESIGN & CONSTRUCTION

KHS&S' prefabrication process is driven by BIM, which allows us to virtually model project details as complex as compound ceiling curves and as specific as a single light fixture. By linking digital data to factory and fabrication machinery, KHS&S can produce prefabricated building components that integrate precisely into your project.

- ✓ BIM modeled and bill of material (BOM) developed
- ✓ Visualization of design prior to construction
- ✓ Provides support for automation in production
- ✓ Extensive database of building materials for easy application within the model

TECHNOLOGY DRIVEN BY BUILDING INFORMATION MODELING

Design-Assist | Interiors | Exteriors | Themed Construction | Water Feature & Rockwork Construction | Prefabrication | Specialties | Virtual Project Delivery (VPD)

www.khss.com

