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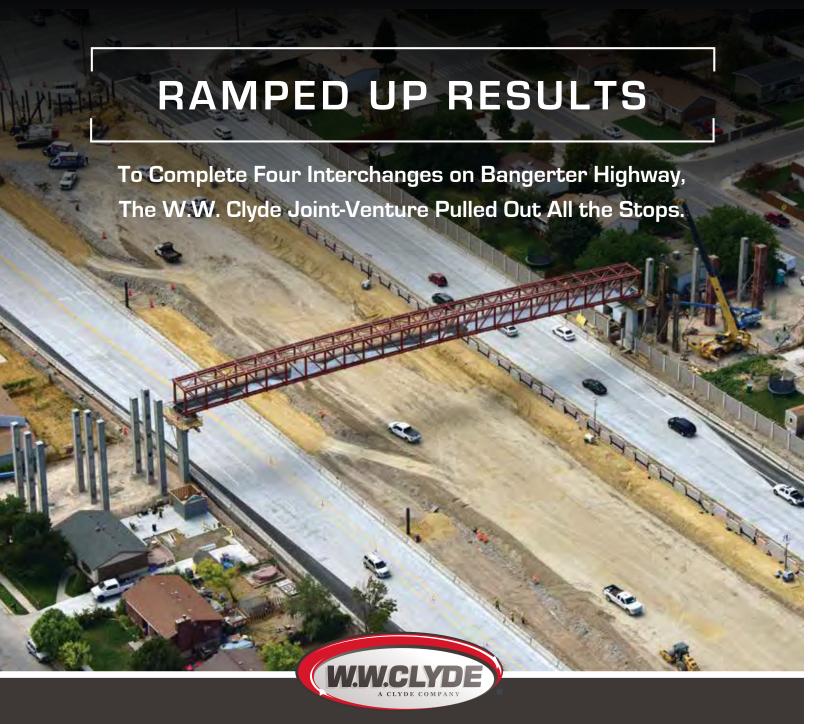


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4 Interchanges. 19 Months. 1 Project. W.W. Clyde & Co. with Joint-Venture Partner Ralph L. Wadsworth delivered on this ambitious project designed to improve flow and reduce accidents along Bangerter Highway by converting 4 intersections with stoplights into full interchanges. The W.W. Clyde JV Team team worked 24/7 for the last year to hit every milestone, including completing a full bridge in 6 months. Now because of this award-winning project, motorists can travel on a safer and more efficient highway with less stop and go traffic.

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Publisher's Message

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On the cover: At 183 feet tall, the Provo 4th District Courthouse is the tallest building in Provo, Utah's third-largest city, and will serve a vital role in the judicial community for the next half century and beyond. (photo by Dana Sohm, Sohm Photogrfx)

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← Publisher's Message

Most Outstanding Project Awards Illustrate Tremendous Community Impact of A/E/C Industry

Another year in the books, and wow, what a year it was! Utah's design and construction industry capped another season of notable projects during *UC&D*'s **Most Outstanding Projects of the Year** event December 11 at Little America Hotel in Salt Lake City.

It was a privilege to host another fabulous event attended by more than 400 people tied to the A/E/C industry, including some influential owners along with other respected professionals. We appreciate the firms who help sponsor the awards presentation, where we handed out

35 well-deserved awards to 34 world-class projects - and I mean 'world class' in all sincerity.

The individuals who make these projects happen are dedicated, smart, hard-working, and willing to push the envelope to achieve end results that are nothing short of excellent. You need owners with a vision – and financing – long before talented architects and engineers can transfer that vision to a set of finely detailed plans. From there, it's up to myriad contractors – smart and disciplined general contractors (many who self-perform their own framing and concrete work), diligent subcontractors committed to high levels of detail, and suppliers, manufacturers and vendors delivering top-shelf

I've been working in this industry for more than 20 years, and honestly, I still feel like I don't know enough people, given how vast it is, and how many talented companies it encompasses statewide.

Kudos to all those who had a hand in one of our 34 MOP award-winning projects. The positive impact made to the various communities that dot the Beehive State is simply staggering – it's hard to think of another industry contributing more good to our society and quality of life than this one!

Our 2018 'Project of the Year' went to the Provo 4th District Courthouse, an eight-story marvel that is the tallest building in Utah's third-largest city at 183 feet. It also will be one of the most important buildings to the legal community in Utah County for the next 50 years. In fact, pretty much all new buildings are being designed for 50-year minimum lifespans, so it's interesting to consider that for some of us, these buildings will potentially serve our grandchildren and great-grandchildren as this century chugs into its second half.

A lot of other projects stood out to me for their community impact:

- Union High School in Roosevelt, a building that will have a hugely positive effect on the residents of Duchesne County, was a mammoth undertaking over a two-year period and earned 'Outstanding Community Impact' honors.
- Two Salt Lake City fire stations No. 14 and No. 3 both earned awards (Outstanding Green Sustainable and Outstanding Municipal projects, respectively), partially fueled by the fact that they are two of the first three fire stations in the nation built to NetZero (NZE) standards. They're pretty dang cool buildings, in addition to being designed to generate more power - on-site - than they use.
- The Four Interchanges on Bangerter Highway project is one of those projects that just won't get the credit it deserves by the general public in terms of the impact it will have on future traffic flow on the west side of the Salt Lake Valley. Taking four stop-and-go intersections and transforming them into modern interchanges – in a little over a year-and-a-half – is Herculean on so many levels.
- The Zions Bank Real Academy (Outstanding Sports/Recreation) in Herriman is the latest project in Dell Loy Hansen's soccer empire, and this one is definitely world-class all the way around, a \$75 million investment with its own school, apartments, a 5,200-seat outdoor stadium and an indoor training facility with two full-size fields under its roof - column-free, given the world's largest pre-engineered free-span building in North America.

There are so many other amazing projects I could highlight in this space – just read the magazine! As always, I'm grateful for another year reporting on this great industry, and for the support we get from so many firms in terms of display advertising and editorial content. We appreciate your faith in us, and we aim to produce a better product in 2019. Get involved!

Happy New Year to everyone!

Publisher/Managing Editor



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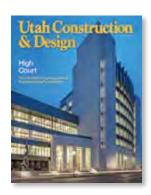
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C&D OUTSTANDING PROJECTS **OF 2018**

High Court

The Provo 4th District Courthouse earns coveted **Project of the Year** honors for 2018.

Putting a tidy bow on another incredible year of construction activity, Utah Construction & Design magazine honored its 2018 Most Outstanding Projects of the Year with its 6th annual awards breakfast December 11 at Little America Hotel in downtown Salt Lake City.

For the second time in six years, a Courthouse was named 'Project of the Year' by a panel of A/E/C professionals from Utah's A/E/C industry, this one the

impactful eight-story, 210,000 SF Provo 4th District Courthouse in Utah County. In all, UC&D handed out 35 awards on 34 projects (from a record 105 submissions!), a testament to the amazing projects being designed and built in the

The community impact of each of these projects in the Beehive State is invaluable on so many levels, with vibrant new public and private projects dotting the landscape of cities and towns.

Cumulatively, billions of dollars are spent on these projects annually, and 2018 was certainly on par with the kind of activity that has been occurring the past half dozen years, the last recession nothing more than a difficult past lesson at this juncture.

We salute the many talented people and firms who worked together on the creation of these great projects, and appreciate the widespread interest level in our annual awards competition. Salute!

O ת _ 8 <u>B</u>. pn 2018







Michael Smith - ACEC Utah



Kris Cooper - ABC Utah



Rich Thorn - AGC of Utah



Keith Diaz Moore - AIA Utah



Jim Webb - UDOT

PROJECT CATEGORY SUBMITTING FIRM(S) Project of the Year Provo 4th District Courthouse **Okland Construction** Commercial/Office Intermountain Gardner Transformation Center Jacobsen Construction Commercial/Retail Mountain View Village Layton Construction Community/Cultural Summit County Services Center & Kamas Branch Library method studio New Union High School Westland Construction / KMA Architects Community Impact Concrete/Structures Jordan River Pedestrian Bridge and Trail Stanley Consultants / Gerber Construction Concrete/Tilt-Up Inovar AE Urbia Design-Build Four Interchanges on Bangerter Highway RLW/Clyde, A Joint Venture Green/Sustainable SLC Fire Station No. 14 **Zwick Construction** Healthcare - Large Intermountain Healthcare Alta View Hospital Campus Reconfiguration Okland Construction Healthcare - Small Wasatch Mental Health Ascent Construction Higher Education - Large Salt Lake Community College Westpointe Workforce Training & Education Center **Big-D Construction** Higher Education - Small Cleone Peterson Eccles Alumni House **Zwick Construction** Highway Over \$10 M I-15; Brigham Road to Dixie Drive Horrocks Engineers SR-270; 9th South Connector Bridge Rehab Highway Under \$10 M Gerber Construction Hospitality/Resort One Empire Pass Jacobsen Construction Industrial **UPS Regional Operations Facility** Layton Construction K-12 Farmington High School Hogan & Associates Construction Multi-Family The Zeller Apartments Jacobsen Construction Municipal SLC Fire Station No. 3 Wadman Corporation Municipal/Utility Roosevelt City State Street & Maintenance Project CIVCO Engineering, Inc. / Burdick Materials Mountain America Credit Union Office Building Private Over \$10 M Okland Construction Private Under \$10 M Rock Loft Ascent Construction Public Over \$10 M Salt Lake County District Attorney Office Building Jacobsen Construction Public Under \$10 M Battle Creek & Grove Creek Debris Basin Rehabilitation Project Gerber Construction Publisher's Pick Sorensen Legacy Foundation Center for Clinical Excellence **R&O Construction** Renovation Over \$10 M Weber County Library - Main Branch Wadman Corporation Renovation Under \$10 M Ken Garff Volkswagen **Curtis Miner Architecture** Campos Coffee Roastery and Kitchen Restaurant Lloyd Architects Specialty Contracting – Electrical **UPS Regional Operations Facility** Hunt Electric Specialty Contracting - Masonry Ira A. Fulton College of Engineering & Technology Building IMS Masonry Specialty Contracting - Mechanical Carolyn and Kem Gardner Commons Archer Mechanical Sports/Recreation Zions Bank Real Academy Forterra Structural Precast / Sunroc Corporation Tenant Improvement Podium Beecher Walker / Okland Construction Water/Wastewater 500 South Diversion; Phase I Pipeline Project Whitaker Construction





Project of the Year

Provo 4th District Courthouse

What a dramatic addition to Utah's third-largest city – an eight-story, 210,000 SF courthouse that is Provo's tallest building, and will stand as a distinguished, monumental structure for the next century and beyond.

The exterior is highlighted with two-tone, GFRC concrete panels, an eye-popping glass and curtain wall system, and striking black marble podium accents. Architects used traditional materials in a modern vernacular to evoke the City's rich history, while firmly looking forward to the future.

The building includes 16 highly functional, state-of-the-art courtrooms and attractive ancillary areas. Each courtroom features custom blue print matched Mozambique wood veneer paneling, accented with solid wood trim. Courtroom lobbies have custom tile floor designs and

stylish three-dimensional wall tiles, with lighter accent finishes. One unique feature is glass windows in each courtroom, providing daylighting into even the innermost spaces of the building.

An innovative technique was utilized on the installation of the GFRC panels, with crews embedding steel support frames directly into the GFRC, essentially reducing a 3-foot to 6-foot steel subframe to one-foot integrated frames, which made the system light enough to attach directly to the light gauge insulation z-gurts of the exterior walls, rather than a separate sub frame system and saving \$800,000 in the process.

A two-story modern colonnade faces east towards the aptly named 'Freedom Boulevard' and serves to help provide a more prototypical courtroom feel, despite being a one-hundred and eighty-foot-tall building.

Owner/Developer: State of Utah - DFCM

Architect: VCBO Architecture

General Contractor: Okland Construction **Electrical Engineer:** Spectrum Engineers Mechanical Engineer: Colvin Engineering

Associates

Structural Engineer: Reaveley Engineers +

Associates Civil Engineer: Talisman Civil Consultants

Electrical Subcontractor: Wilkinson

Electric

Mechanical Subcontractor: A&B Mechanical

Earthwork & Utilities: Sunroc Corporation

Millwork: Boswell Wasatch

Tile & Stone Pavers: Millcreek Tile & Stone

Exterior Curtain Wall & Interior Glass:

Steel Encounters

Exterior GFRC & Detention CMU: IMS

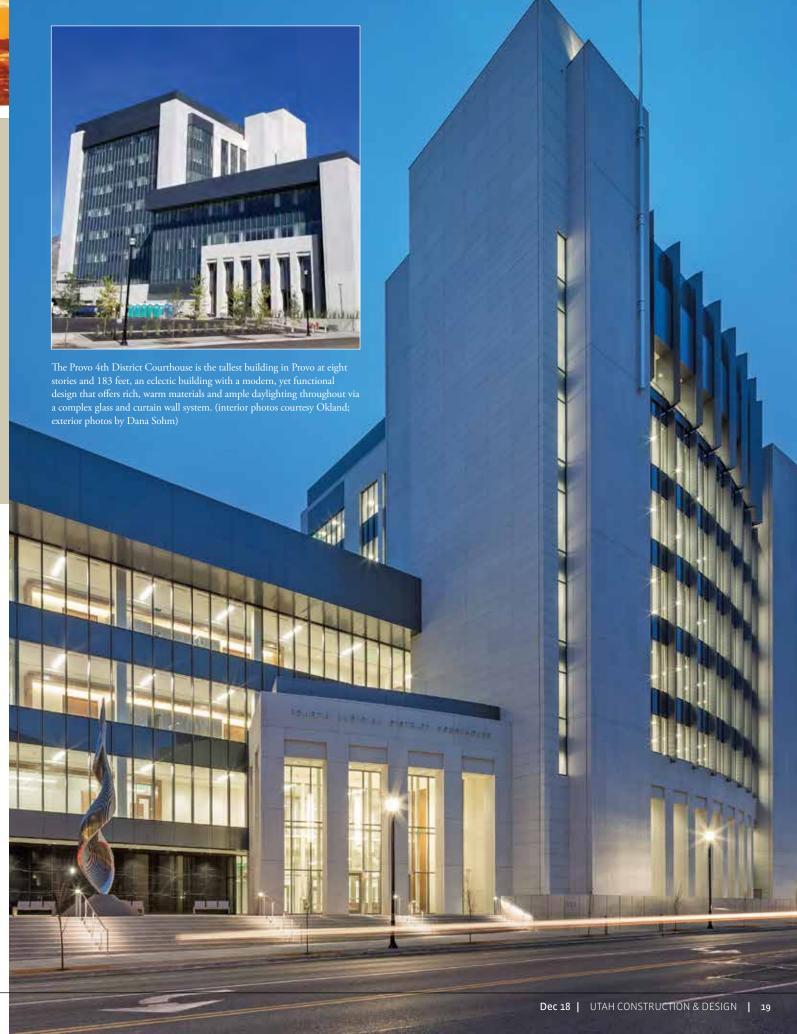
Masonry

Studs, Drywall and Ceiling: Ceiling Systems Inc. (CSI),











<mark>S</mark> of 2018

Most Outstanding Commercial/Office Project

Intermountain Gardner Transformation Center

Located near the Intermountain Medical Campus in Murray, this \$50 million dollar, 120,000 square foot facility is designed specifically for the training of current and future health care professionals. The LEED Gold facility features trendy central gathering spaces on each floor to spark collaboration among workplace and educational wings, with inspiring views of the Wasatch and Oquirrh Mountain ranges.

The glass and curtain wall system is a unique, curved masterpiece that provides excellent daylighting throughout the building. Materials are representative of Utah's natural beauty, with the combination of red-brown terra cotta cladding and painted metal skin representative of Southern Utah's striking landscapes.

Owner: Intermountain Healthcare **Architect:** NBBJ Architects

General Contractor: Jacobsen Construction **Electrical Engineer**: Electrical, AV & Acoustics

Mechanical Engineer: Van Boerum & Frank Associates

Structural Engineer: Reaveley Engineers +
Associates

Electrical Subcontractor: Wasatch Electric **Mechanical Subcontractor**: Alternative Mechanical Contractors

Other Specialty Contractors: Steel
Encounters, Superior Tile & Marble,
Mitchell Acoustics, Boswell Wasatch Mill





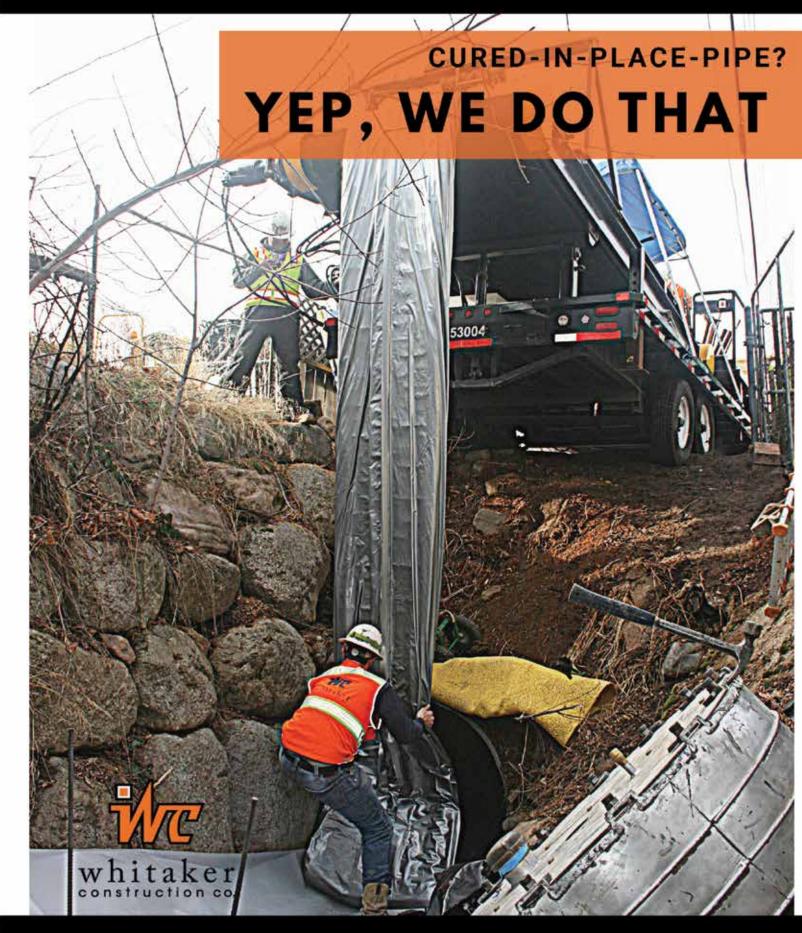




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Most Outstanding Commercial/Retail Project

Mountain View Village

Mountain View Village is the newest hot retail development in Riverton, a 3-phase, 85-acre mixed-use project that aims to serve as a community hub in the South Salt Lake Valley, with an emphasis on hip public gathering spaces. The completed Phase I project spans 38 acres, with nearly 380,000 square feet of retail space, including big box stores, quaint shops and restaurants, a hotel, luxury theater, and Class A office space.

Social areas include tactile, contemporary seating areas, outdoor fire and water features, and a majestic 20foot tall bronze eagle statue. Phase I was enhanced with 600 mature trees and fully developed landscaping.

Owner: CenterCal Properties **Architect**: AO Architects **General Contractor**: Layton Construction Electrical Engineer: Hunt Electric Mechanical Engineer: CCI Mechanical Structural Engineer: Dunn Associates, Inc. Civil Engineer: Psomas **Electrical Subcontractor**: Hunt Electric Mechanical Subcontractor: CCI Mechanical

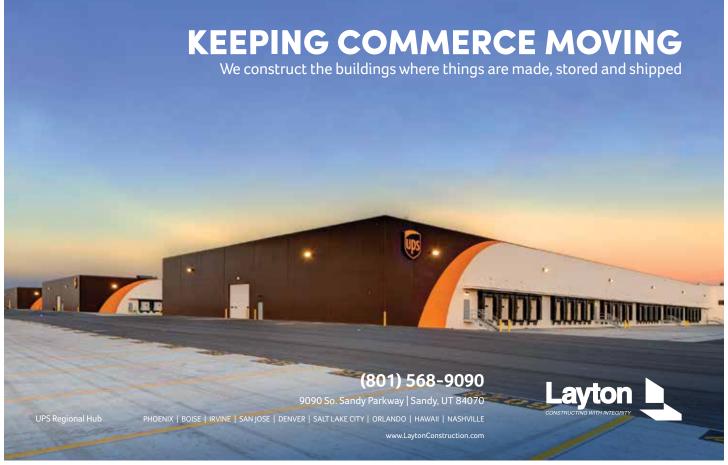
Other Specialty Contractors: Intermountain Planning











Outstanding Projects of 2018

Most Outstanding Community/Cultural Project

Summit County Services Center and Kamas Branch Library

This \$5 million dollar, two-story building captures the spirit of the community as a gateway to the Uintas. The design and color palette aims to emulate the gradual climb from the valley floor to the peaks of these stunning mountains. Sustainable features of the 18,000 square foot space include LED lighting, a solar array, high-efficiency HVAC equipment, and daylight harvesting.

Staggered cement board and

polycarbonate cladding offer a unique contrast to the natural environment, accented with warm, natural-colored wood. Innovative construction approaches were used on several features, including a slatted interior wall element that spans across a large window opening. Composite cladding was pre-fabricated as an independent outer sleeve, mitigating curling at joints and edges.

Owner: Summit County Architect: method studio General Contractor: Spindler **Electrical Engineer**: BNA Consulting Mechanical Engineer: Van Boerum & Frank Associates

Structural Engineer: BHB Structural Engineers

Civil Engineer: Forsgren Associates, Inc. **Electrical Subcontractor**: JP Electrical Mechanical Subcontractor: HMI Heating & Air (HVAC), Commercial Mechanical Systems & Service (Plumbing)





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Outstanding Projects of 2018

Most Outstanding Community Impact Project

New Union High School

The \$80 million dollar, 320,000 square foot replacement of Union High School is the largest construction project in Roosevelt in recent memory, and stands to be the most impactful building in the community for the next 50-plus years.

Rich, earthy beige and brown colors feature prominently on the masonry exterior. Large windows and rooftop skylights allow daylighting to reach

interior spaces, which are highlighted with rock columns and ornamental metal and glass railings in the lobby.

A 1,600-seat auditorium includes extensive lighting and rigging systems, a new sound system, and a black box theater. The school's sports complex features modern synthetic turf for all fields, highend locker facilities, tennis courts and other practice fields.

Owner: Duchesne County School District **Architect**: KMA Architects

General Contractor: Westland Construction

Electrical Engineer: Royal Engineering

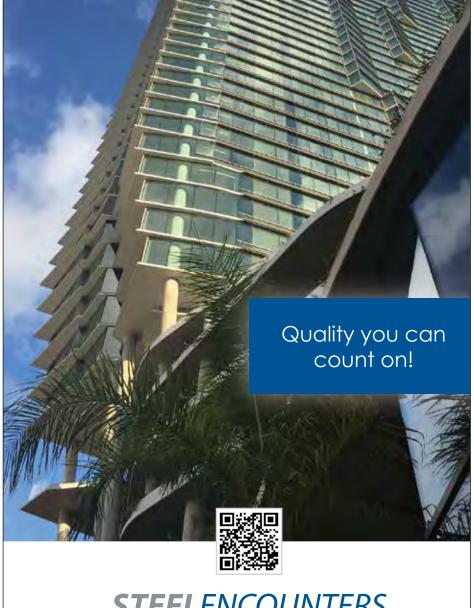
Masonry, Steel Encounters

Mechanical Engineer: Olsen & Peterson Engineering **Structural Engineer**: Dynamic Structures Civil Engineer: Great Basin Engineering Electrical Subcontractor: Tri-Phase Electric Mechanical Subcontractor: Western States Mechanical Other Specialty Contractors: Buxton















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Most Outstanding Concrete/Structures

Jordan River Pedestrian Bridge and Trail

This key infrastructure project is the final connecting piece of the Jordan River Parkway; a 45-mile, multi-use trail system that parallels the Jordan River through Utah and Salt Lake counties, marking one of the longest urban trail systems in the nation. The 280-foot, single-span, prefabricated bridge structure comprises 11 column and bent cap structures on pile cap foundations. It also includes 22 steel girders ranging from 37 to 105 feet in length, and more than one thousand feet of 16-foot wide elevated concrete path. The bridge was erected over three active rail lines, which added to its complexity.

Crews were challenged by the close proximity to working over three

Owner: Salt Lake City Corporation Lead Design Firm: Stanley Consultants **General Contractor**: Gerber Construction Electrical & Civil Engineer: Stanley Consultants

Structural Engineer: Stanley Consultants and Contech Engineered Solutions

Contractors

Asphalt Installation: Staker Parson Companies

Other Key Specialty Contractors: Desert Deep Foundations, Contech Engineered Solutions, Oracle Group, Wagstaff Crane

Geotechnical: Gerhart Cole Electrical Subcontractor: High West















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Most Outstanding Concrete/Tilt-Up Project

Inovar

This 120,000 square foot tilt-up concrete building serves as an office and manufacturing facility for Inovar, a 20-year-old Logan-based firm that manufactures specialty electronic components. The new building is constructed of simple geometric shapes and clean straight lines - a composition of squares and rectangles formed by window mullions and complimentary reveals in the

concrete panels.

The entry vestibule was constructed using a rectangular portal. As you pass through it, you transition from a small box into a larger box, which houses dynamic lobby and reception spaces. The main lobby is highlighted with floor to ceiling glazing and a simple, yet stylish black, white and gray color palette.

Owner: Johnny 5 LLC

Architect: AE Urbia

General Contractor: Tom Stuart

Construction

Electrical Engineer: Fellex Engineering

Mechanical Engineer: DB Mechanical / JTB Engineering

Structural Engineer: AE Urbia

Civil Engineer: CIR Engineering

Electrical Subcontractor: Salmon Electric

Mechanical Subcontractors: DB

Mechanical (HVAC), MKB Mechanical Inc.

(Plumbing)

Other Specialty Contractors: Design West Acoustics, Redd Roofing Co.







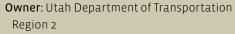


Most Outstanding Design-Build Project

Four Interchanges on Bangerter Highway

It's easy to see the importance of this \$145 million dollar project, one that moves an average of 60,000 daily commuters on this bustling west side highway in the Salt Lake Valley. Four brand new state-of-theart interchanges were constructed during a blistering 19-month schedule, another brilliant example of UDOT's 'Keeping People Moving' philosophy.

Crews placed an enormous amount of material, including 400,000 square yards of concrete paving and 430,000 square yards of asphalt paving, 16 miles of concrete barrier, two-and-a-half miles of noise wall, 10 miles of drainage pipe, 280,000 square feet of MSE walls, and more than seven million pounds combined of structural and reinforcing steel.



Lead Design Firm: Michael Baker International, with H.W. Lochner as a subconsultant

General Contractor: RLW/Clyde, A Joint Venture (Ralph L. Wadsworth Construction Company and W.W. Clyde & Co.)

Structural & Civil Engineer: Michael Baker International, with H.W. Lochner as a subconsultant

Concrete Cutting & PCCP Saw and Seal: A-Core

Other Specialty Contractors: RC Hunt, Brinkerhof Excavation, Ralph Smith, DDF Inc., Geneva Rock Products, Harper Precast, Wheeler Machinery, Mammoth, AAA Barricade, Peck Striping, CMT, The Reinforced Earth Company, Ferguson Wagstaff Crane





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Most Outstanding Green/Sustainable Project **Salt Lake City Fire Station No. 14**

This two-story, 17,000 square foot multi-company facility was designed as the first of two Net Zero Energy fire stations in the country built by Salt Lake City, with a host of sustainable features to go along with unmatched aesthetics and top-shelf amenities that can accommodate up to 12 EMT/fire fighters.

Innovative features include a geothermal heating and cooling system, a rooftop solar array with highly efficient

360-watt panels, R42 roof and R34 wall insulation values, triple-paned glazing with ceramic frit, and passive shading and ventilation strategies.

Durable exterior cladding materials include oko skin, high-performance concrete, and zinc panels. Designed as a 50-year facility, it stands as a civil beacon in the community, and had net positive energy after its first five months of operation – producing more energy than it consumes.

Owner: Salt Lake Fire Department
Architect: Blalock and Partners
General Contractor: Zwick Construction
Electrical Engineer: Spectrum Engineers
Mechanical Engineer: Van Boerum & Frank
Associates

Structural Engineer: BHB Structural Engineers

Civil Engineer: Andersen Wahlen & Associates

Electrical Subcontractor: Cutler Electric **Mechanical Subcontractor**: Budd Rich Plumbing

Other Specialty Contractors: TCA
Architecture, G Brown Design, Inc., Ponds
Plumbing











Outstanding Projects of 2018

Most Outstanding Large Healthcare Project

Intermountain Healthcare Alta View Hospital Campus Reconfiguration

This project was built using a complex seven-phase construction plan that mitigated impact and ensured safety to the staff and public. Two new buildings were added to the long, narrow site: a 120,000 square foot clinic, and a 160,000 square foot hospital. The project included a new 36bed patient wing, a seven operating room surgical suite, a new emergency department, a renovation of the Women's Center, and various campus infrastructure upgrades.

Architecturally, the massing of the new 'bookend buildings' are positioned to maintain pristine mountain views. Structurally, this project is among the first in the U.S. to use bolted SidePlate connections, which reduced overall cost and schedule time.

Owner: Intermountain Healthcare Architect: Perkins + Will / VCBO Architecture

General Contractor: Okland Construction **Electrical Engineer:** Spectrum Engineers Mechanical Engineer: Archer Mechanical **Structural Engineer:** Reaveley Engineers + Associates

Civil Engineer: Great Basin Engineering **Electrical Subcontractor**: Taylor Electric Mechanical Subcontractor: Archer Mechanical

Other Specialty Contractors: Schuff Steel, LCG Facades, Daw Construction Group



















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Outstanding Projects of 2018

Most Outstanding Small Healthcare Project

Wasatch Mental Health

This three-story, 25,000 square foot building is a boon for the greater Payson community, providing space for Wasatch Mental Health, and other programs geared to helping women and children.

The design of this three-story, 25,000 square foot building is modern and vibrant, with warm brown masonry complimented with bright red metal wall panels and sleek black lines in the mullions of the glazing and curtain wall system.

The valley of the butterfly roof is positioned directly above the main entrance, facilitating wayfinding from afar as a distinct reference point. Wall spaces in many of the corridors are utilized as small galleries for patient artwork as part of the therapy process.

Owner: Wasatch Mental Health **Architect**: RVA Architects, Inc.

General Contractor: Ascent Construction Electrical & Mechanical Engineer: Royal

Engineering **Structural Engineer:** Dynamic Structures

Civil Engineer: Excel Engineering **Electrical Subcontractor**: Canyon Electric

Mechanical Subcontractor: Cofran Climate Systems

Landscape Architect: Stratton & Bratt

Concrete

Other Specialty Contractors: United Structural Concrete, Lifetime Roofing, Royal











Most Outstanding Large Higher Education Project

Salt Lake Community College Westpointe Workforce Training & Education Center

Increasing demands for labors in trade markets like construction, manufacturing and diesel mechanics make this \$43 million dollar, 121,000 square foot building an excellent investment in the state's future workforce.

The state's High Performance Building Standards were instituted on this 600 foot long building, which challenged the design team in breaking up its mass with form

and materials in a pleasing manner. This was achieved with varying exterior types, including a north clad metal wall panel system with alternating perforated and solid wall finishes.

Interior spaces, while rugged and built for industrial training, are noted by the presence of steel, glass and an abundance of natural daylighting.

Owner/Developer: Salt Lake Community College - DFCM

Architect: ajc Architects

General Contractor: Big-D Construction

Electrical Engineer: Spectrum Engineers Mechanical Engineer: Colvin Engineering

Associates

Structural Engineer: Reaveley Engineers + Associates

Civil Engineer: Meridian Engineering **Electrical Subcontractor**: Wasatch Electric Mechanical Subcontractor: Harris

Mechanical









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Outstanding Projects of 2018

Most Outstanding Small Higher Education Project

Cleone Peterson Eccles Alumni House

This prestigious University of Utah project was a complex renovation of the two-story Alumni House, a building that signifies the achievements of past students, and serves as a place where graduates can stay connected with the University. A primary goal of this renovation was creating more gathering spaces for social events.

A key design component is the locally sourced stone from Heber Valley, an ideal fit for the high desert environment, and used extensively on the exterior, in addition to select interior spaces. Rich wood veneer paneling adds a nice touch to lobby and meeting room areas, while daylighting is prominent on both levels thanks to an elegant glass curtain wall system.

Owner/Developer: University of Utah -

Architect: EDA Architects

General Contractor: Zwick Construction **Electrical Engineer:** Envision Engineering Mechanical Engineer: Colvin Engineering

Structural Engineer: BHB Structural Engineers

Civil Engineer: PSOMAS

Electrical Subcontractor: Taylor Electric Mechanical Subcontractor: K.O.H.

Mechanical Contractors

Other Specialty Contractors: ArcSitio

















Most Outstanding Highway Project Over \$10 Million

I-15; Brigham Road to Dixie Drive

This key \$25 million infrastructure project widened I-15 over the Virgin River, adding auxiliary lanes and an additional future general purpose lane in each direction, with the replacement of bridge structures, among other structural improvements. 11,000 feet of four-foot diameter jet-grouted columns were placed beneath the surface of the bridge

structures, creating a curtain for added seismic stability. A polyester concrete overlay was used to smooth the transition onto the bridges.

Aesthetics are prominent, with a split slate texture on retaining walls, along with painted wingwalls, girders, abutments and parapets; and painted, modular block walls along Pioneer Road.

Owner: Utah Department of Transportation

Lead Design Firm: Horrocks Engineers **General Contractor**: Meadow Valley Contractors

Structural Engineer: Geomorphology: JE Fuller Geotechnical: IGES











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Most Outstanding Highway Project Under \$10 M

SR-270; 9th South Connector Bridge Rehabilitation

This \$4.1 million bridge rehab included demolition of existing structure, with a new deck constructed on existing steel girders with 95 precast concrete panels that were post-tensioned and grouted together after being set to grade. Crews also performed extensive structural concrete repairs and carbon fiber

wrapping of 20 columns and 10 bent caps, lengthening the structure's lifespan. Crews used a custom lifting tool for setting the precast deck panels to proper grade, allowing the entire deck to be placed in two days. Remarkably, the demo and reconstruction occurred in only 40 days.

Owner: Utah Department of Transportation

Lead Design Firm: Utah Department of Transportation

General Contractor: Gerber Construction Structural & Civil Engineer: Utah Department of Transportation

Electrical Subcontractor: Skyline Electric Other Specialty Contractors: Gateway, Jacobsen Excavation, Staker Parson Companies, Wagstaff Crane















Most Outstanding Hospitality/Resort Project

One Empire Pass

Amenities at this luxurious \$41 million dollar ski-in/ski-out condominium complex at Deer Valley are off-the-hook, as the 29 private three- and four-bedroom residences offer spacious balconies, floorto-ceiling glass in each space, unparalleled views from the outdoor spa deck, a modern fitness facility, a sun lounge, and a stunning grand lobby in the main complex.

The exterior was complex and detailed, with a mix of elements including stone veneer, cedar siding, rugged timber and state-of-the-art fiberglass glazing systems. Interior finishes are warm and inviting, with exotic wood paneling and flooring consistent with five-star resort properties.

Owner: East West Partners

Mechanical

Architect: IBI Group General Contractor: Jacobsen Construction **Electrical Engineer:** Envision Engineering Mechanical Engineer: CCI Mechanical Structural Engineer: Dunn Associates, Inc. Civil Engineer: Alliance Engineering Inc. Electrical Subcontractor: Hunt Electric Mechanical Subcontractor: Archer

Other Specialty Contractors: RJ Masonry, UTR Roofing, Boswell Wasatch, Grow Painting











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Most Outstanding Industrial Project

UPS Regional Operations Facility

The superlatives of this ginormous 840,000 square foot facility on a 160-acre site in Salt Lake's northwest quadrant are many, and deservedly so. With a construction cost of \$80 million, and a whopping overall price of \$275 million, this is U-P-S's largest hub in the Northwest U.S., and the first of what should be many future projects in the muchhyped Inland Port development.

Crews performed yeoman-like work in erecting 25-foot tall tilt-up concrete panels

at an average clip of 40 panels per day, on a building perimeter that measures a staggering 1.3 miles.

The facility's central core parcel building is connected to five outbound distribution hubs - which are supported by a network of 32 independent office spaces within the larger hub. The facility can process a mind-boggling 69,000 packages per hour!

Owner: United Parcel Service, Atlanta GA

Architect: Babcock Design

General Contractor: Layton Construction Electrical Engineer: Hunt Electric

Mechanical Engineer: David L. Jensen &

Associates

Structural Engineer: Dunn Associates, Inc. Civil Engineer: Dominion Engineering

Associates

Electrical Subcontractor: Hunt Electric Mechanical Subcontractor: DB Mechanical Masonry Contractor: IMS Masonry

Other Specialty Contractors: Architectural Building Supply, Fire Engineering Company, Geneva Rock Products, Morgan Asphalt, Newman Construction, Robinson Brothers Construction, Standard Drywall, Superior Roofing, Universal Painting









Most Outstanding K-12 Project

Farmington High School

This \$75 million dollar, state-of-the-art high school combines innovative design elements with an emphasis on 21st Century functionality associated with 'future learning environments'. These flexible spaces can be adapted into varying canopies rather than the roof, and will classroom sizes, part of today's modern teaching styles.

Large bright yellow panels and a dramatic glass curtain wall highlight the main lobby of this impressive 405,000 square foot building. The exterior features playful checkerboard patterns and a unique stepped down massing on the west side.

Solar panels were placed atop new bus generate the bulk of the school's power, one key aspect of the school's overall sustainability.

Owner: Davis School District **Architect**: VCBO Architecture General Contractor: Hogan & Associates Construction

Electrical Engineer: Envision Engineering Mechanical Engineer: Van Boerum & Frank

Structural Engineer: Calder Richards Consulting Engineers

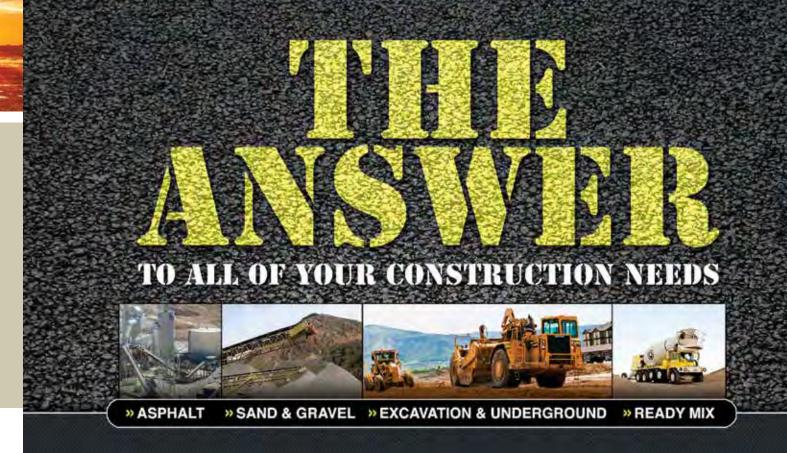
Civil Engineer: Caldwell Richards Sorensen **Electrical Subcontractor**: Taylor Electric Mechanical Subcontractor: O&M Plumbing & Heating

Landscape Architect: ArcSitio Other Specialty Contractors: AK Masonry, Steel Encounters, JT Steel









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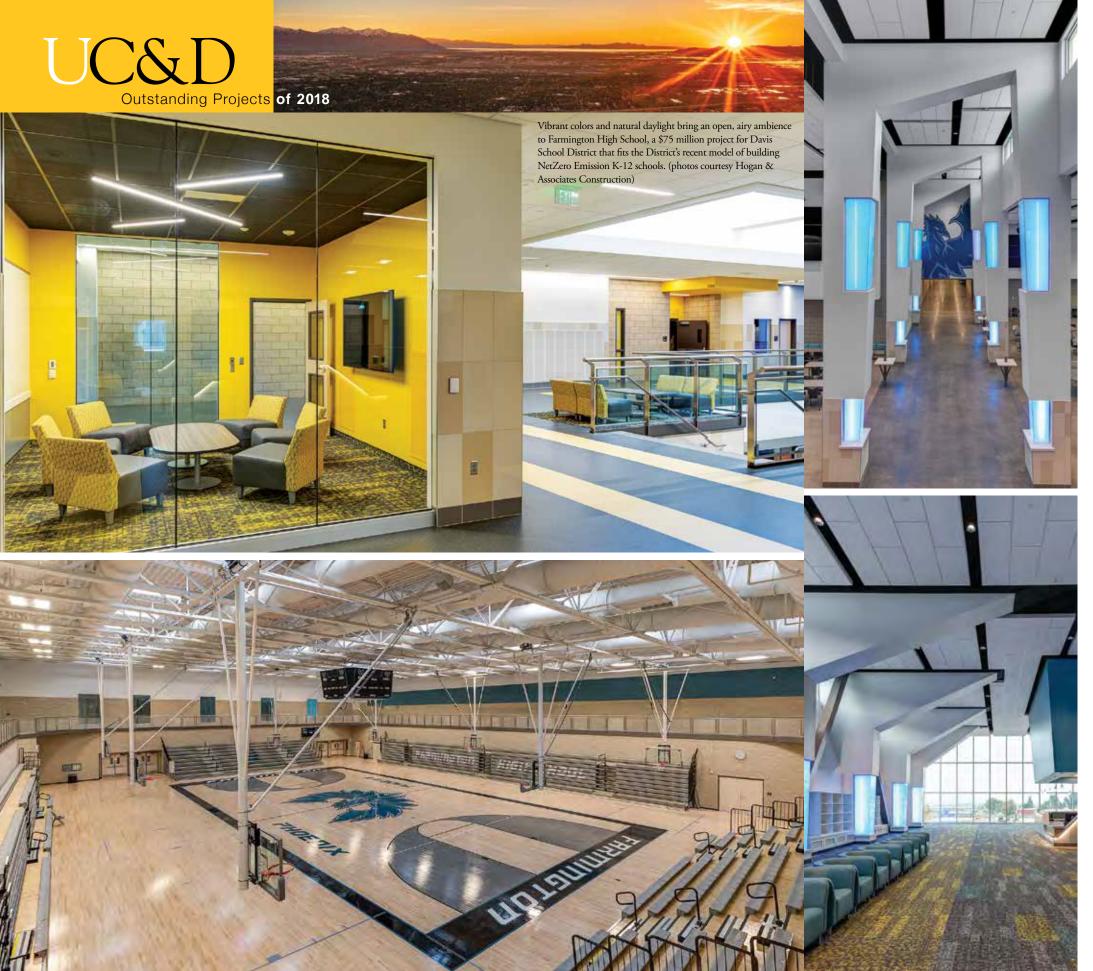
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Most Outstanding Multi-Family Project

The Zeller Apartments

This \$51 million dollar, 293-unit transitoriented development is part of the transformation of South Salt Lake into a city with a centralized, hip downtown area within walking distance of TRAX. This highdensity housing project includes top-shelf amenities, including a spacious courtyard pool and patio, rooftop lounge, fitness

center, communal rec spaces, a business center and much more.

Color palettes are dominated with warm, rich earth tones; the main two-story lobby has a comfortable, modern feel. Exterior finishes are dominated by brown, beige and rust-colored paneling.

Owner: Zellerbach Owner LLC **Architect:** Architectural Nexus **General Contractor**: Jacobsen Construction Electrical Engineer: Hunt Electric Mechanical Engineer: KHI Mechanical Structural Engineer: Petra Engineering Civil Engineer: PSOMAS

Electrical Subcontractor: Hunt Electric Mechanical Subcontractor: KHI Mechanical

Other Specialty Contractors: Zitting Brothers Construction, Morgan Asphalt, Nicholson Construction, Troy Hales Masonry, Whistle Construction,













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Outstanding Projects of 2018

Most Outstanding Municipal Project

Salt Lake City Fire Station No. 3

Station No. 3 is the second Net Zero Energy fire station completed this year for owner Salt Lake City, opening in October to rave reviews from fire fighters and the general public. The nearly \$9 million dollar, 18,000 square foot project has many similar design and sustainability features as its sister station No. 14 including a 108-kilowatt rooftop solar

array, a super-insulated building envelope, high-performance windows, and modernlooking bright red doors for the fire bays.

High-performance G-F-R-C concrete paneling and patinated zinc metal cladding will age gracefully over time, grounding the building to its Sugar House location adjacent to Forest Dale golf course.

Owner: Salt Lake City Corporation Architect: Blalock and Partners **General Contractor**: Wadman Corporation **Electrical Engineer:** Spectrum Engineers Mechanical Engineer: Van Boerum & Frank Associates

Structural Engineer: G Brown Design, Inc. Civil Engineer: Andersen Wahlen & Associates

Electrical Subcontractor: Neuwave Electric Mechanical Subcontractor: KR Plumbing



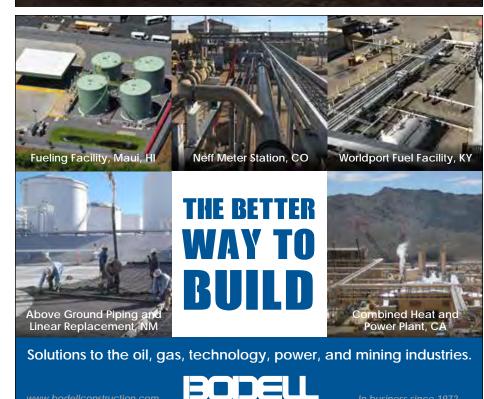








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Outstanding Projects of 2018

Most Outstanding Municipal/Utility Project

Roosevelt City State Street & Maintenance Project

This \$2.7 million dollar project wrapped up in September, providing much-needed relief from previous flooding issues on the corner of Meadowbrook and State Street in Roosevelt, including a 100-year flood event in 2016.

In order to increase stormwater

capacity, crews installed a new 48-inch culvert, and also built new curb, gutter and sidewalk over a nearly one-mile stretch of State Street. Warm mix asphalt was utilized for the pavement, which achieved excellent degrees of smoothness and flatness.

Owner: Roosevelt City

Lead Design Firm: CIVCO Engineering, Inc. **General Contractor**: Burdick Materials Civil Engineer: CIVCO Engineering, Inc. Other Specialty Contractors: BHI











s of 2018

Most Outstanding Private Project Over \$10 M

Mountain America Credit Union Office Building

Downtown Sandy City has a prominent new addition to its burgeoning skyline – this visually stunning, 11-story office tower that serves as Mountain America's headquarters.

The most obvious attraction of this 327,000 square foot building is its unitized curtain wall system – featuring highperformance glass manufactured locally by Viracon's St. George plant.

The glass was upsized from six to eight

millimeters and offers high reflectivity, insulation and sound attenuation values. The 12-inch vertical aluminum fin layout is an attractive visual element, with fins that are dense at the base, and more widely spaced at the top.

Interior spaces are rich and vibrant, offering a modern, eclectic feel with sharp, clean lines and prominent daylighting throughout.

Owner/Developer: Mountain America Cedit Union / Developed by Gardner Company Architect: WRNS (Core and Shell, Parking, and Site), Method Studio (Tenant Improvement)

General Contractor: Okland Construction Electrical Engineer: Spectrum Engineers Mechanical Engineer: PVE Structural Engineer: BHB Structural

Engineers

Civil Engineer: Ensign Engineering
Electrical Subcontractor: Rydalch Electric
Mechanical Subcontractor: Shamrock
Other Specialty Contractors: Ceiling
Systems, Steel Encounters, Atlas Sheet
Metal, Sure Steel, GEM















Most Outstanding Private Project Under \$10 M **Rock Loft**

This center portion of this quaint \$1.7 million dollar building in Fruit Heights was originally built in 1944 by the Jost family and used for decades to support a large cherry harvesting operation. The building was renovated into a multi-use lease space for office and retail businesses, including the successful start-up Mountain match next to the mountainside to the Ops. The 10,000 square foot space was revamped with efficient new mechanical

and electrical systems, and rustic finishes with natural finishes and an appealing rustic charm. Weathered barnwood, hardwood floors, glass office fronts with large windows, and a rock fireplace are prominent features.

The rugged stone exterior is a perfect east and offers long-term durability.

Owner: Burt & Tim Matthews

Architect: Design West Architects

General Contractor: Ascent Construction

Electrical Engineer: Rocky Mountain Consulting Engineers

Mechanical Engineer: Van Boerum & Frank

Structural Engineer: BHB Structural Engineers

Civil Engineer: Forsgren Associates Electrical Subcontractor: CR Lighting &

Mechanical Subcontractor: CFM Heating

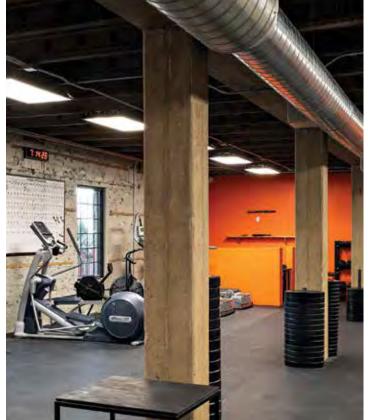
and Air

Other Specialty Contractors: North Face,















Most Outstanding Public Project Over \$10 M

Salt Lake County District Attorney Office Building

This combined \$64 million dollar project was 30 years in the making and featured two office buildings for the D.A.'s office, a 28,000 square foot building in West Jordan, and the flagship 113,000 square foot headquarters in Salt Lake City which is highlighted with a one-of-kind art glass feature entitled 'Words We Live By'.

The glass curtain wall system is lively and entertaining, with prominent reflective colors of blue, green and purple. Transparency was a critical design element in the floorplan, with offices laid out in an open, collaborative environment, and daylighting a primary consideration for even the most core interior spaces.

Owner: Salt Lake County District Attorney's

Architect: MHTN Architects

General Contractor: Jacobsen Construction **Electrical Engineer:** Spectrum Engineers Mechanical Engineer: Van Boerum & Frank

Structural Engineer: Reaveley Engineers + Associates

Civil Engineer: PEPG Consulting

Electrical Subcontractor: Rydalch Electric Mechanical Subcontractor: Alternative

Mechanical

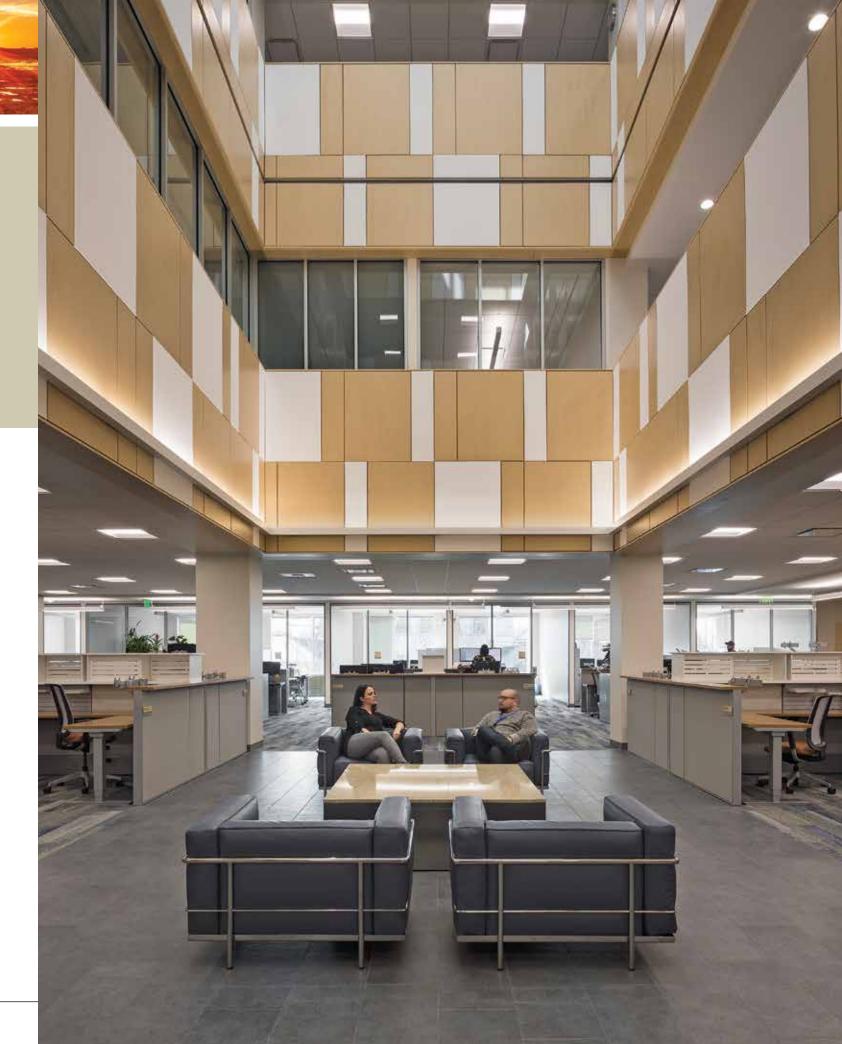
Masonry Subcontractor: Troy Hale Masonry Other Specialty Contractors: Cives Steel, KEPCO, Engineered Wall Systems, Alpine Drywall, Noorda











Outstanding Projects of 2018

Most Outstanding Public Project Under \$10 M

Battle Creek and Grove Creek Debris Basin Rehabilitation

This \$3.7 million dollar project for North Utah County Water Conservancy District included the installation of new 12-inch H-D-P-E drainage pipelines, new reinforced concrete spillway structures, embankment construction, and placement of geosynthetic clay liners at these debris basins in Pleasant Grove.

The design of the labyrinth weir wall will allow each basin to be filled to max capacity without potential danger to the dam itself. Screed rails were set in floor sections 50 feet wide and 30 to 40 feet long, with a Bunyan rolling screed used to level concrete on the 2 to 1 slope.

Owner: North Utah County Water Conservancy District

Lead Design Firm: RB&G Engineering, Inc. **General Contractor**: Gerber Construction

Structural & Civil Engineer: RB&G Engineering, Inc.

Geotech: Bedke Geotechnical Field

Services Other Specialty Contractors: Mt. States

Fence, Harris Rebar/Iron Mountain









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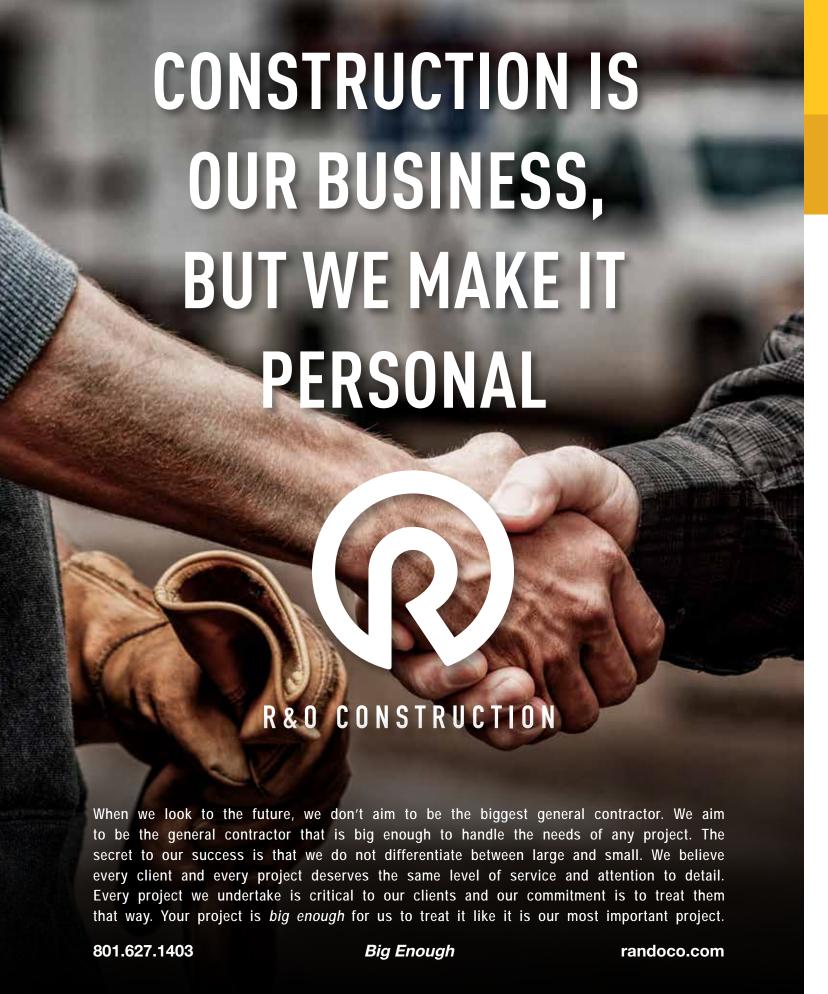
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Outstanding Projects of 2018

Publisher's Pick

Sorensen Legacy Foundation Center for Clinical Excellence

This visually-dynamic, \$29 million dollar facility at Utah State University is the first center of its kind in the Mountain West that provides comprehensive clinical services across the human lifespan. The integration of academic, research and clinical service space is key for USU faculty doing this important research.

The building's unique envelope includes an array of contrasting materials like

masonry and colorful paneling blue-green paneling. The 'Healing Gardens' area serves as a reference point between the center's two primary wings, providing a soothing, contemplative environment. The two wings are angled apart from one another, with a design intent of breaking down the scale of the building through the vertical separation of levels.

Owner: Utah State University - DFCM

Architect: Jacoby Architects

General Contractor: R&O Construction **Electrical Engineer:** Envision Engineering Mechanical Engineer: WHW Engineering Structural Engineer: Reaveley Engineers +

Civil Engineer: Cache Landmark

Engineering

Electrical Subcontractor: Cache Valley

Mechanical Subcontractor: CCI Mechanical Masonry Subcontractor: Shane Demler

Food Service Consultant: Jedrziewski

Other Specialty Contractors: Millcreek Tile and Stone, Mollerup Glass Company, Rocky Mountain Steel Services







Most Outstanding Renovation/Restoration Project Over \$10 M

Weber County Library - Main Branch

This \$12.4 million project renovated the 55,000 square foot main branch, recognized as one of Utah's finest example of mid-century modern architecture, built in 1968. Crews preserved the original character of the building, while reinventing its interior spaces with modern underground addition was built to house systems, seismic upgrades, an improved thermal envelope, better air quality and

acoustic performance, and universal ADA accessibility.

Fiber reinforced polymer tied the precast concrete floor and roof tees together to create a diaphragm, then tied it to the walls of the building. An MEP systems.

Owner: Weber County Library **Architect**: EDA Architects **General Contractor**: Wadman Corporation **Electrical Engineer:** Spectrum Engineers

Mechanical Engineer: Colvin Engineering Associates

Structural Engineer: ARW Engineers Civil Engineer: Great Basin Engineering Electrical Subcontractor: MCL Electric Inc. Mechanical Subcontractor: KR Plumbing & Mechanical















Most Outstanding Renovation/Restoration Project Under \$10 M

Ken Garff Volkswagen

This \$2.9 million dollar renovation puts a fresh new face on this long-time Orem dealership, with a crisp, clean exterior look along the University Parkway corridor, highlighted by an energy-efficient glazing and curtain wall assembly accented by backlit, white aluminum composite panels. The exterior features aluminum metal composite panels accented with masonry, stucco and glazing.

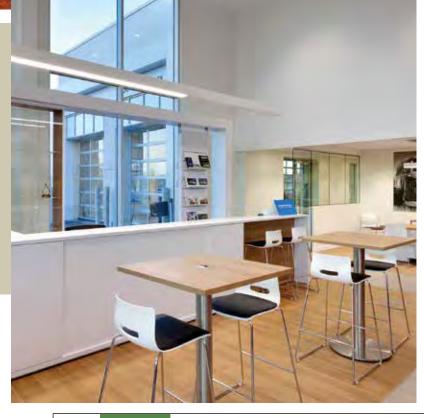
The interior showroom is modern and contemporary, illustrating clean lines and a simple white, gray and wood color palette, while offering customers comfortable, modern seating areas with many amenities. Energy efficient upgrades include L-E-D light fixtures, high-efficiency evaporative coolers, and the envelope's improved thermal properties.

Owner: Ken Garff Automotive Group **Architect**: VW Das Auto + Eview360 + Curtis Miner Architecture (local Architect) **General Contractor**: United Contractors **Electrical Engineer:** Spectrum Engineers Mechanical Engineer: Van Boerum & Frank Associates

Structural Engineer: Dynamic Structures Civil Engineer: Benchmark Engineering & Land Surveying, LLC.

Electrical Subcontractor: GSL Electric Mechanical Subcontractor: Lone Wolf Mechanical

Other Specialty Contractors: Sobotec Inc., Wall2Wall Flooring, CBRE















Most Outstanding Restaurant Project

Campos Coffee Roastery & Kitchen

This hip, \$1.5 million dollar renovation project on Edison Street between 2nd and 3rd South in downtown Salt Lake City is the first U.S. café' and roastery for the Australian-based coffee company, which has seven locations in three major Aussie cities.

It was determined the existing 1900's historic brick service building was salvageable. It was done with the

addition of sawtooth clerestory windows, expressive Glu-Lam wood framing corrugated metal siding and stucco, and an operable 'airplane hangar' folding window

The design celebrates the textures of the historic space – including brick and concrete block, an exposed wood ceiling, and steel hangar windows.

Owner: Campos Coffee **Architect**: Lloyd Architects General Contractor: Hansen & Spoor

Construction

Electrical & Mechanical Engineer: Royal Engineering

Structural Engineer: Matt Jackson

Structural Engineers **Civil Engineer:** Dominion Engineering

Electrical Subcontractor: Kupferschmidt Mechanical Subcontractor: Select Comfort

Other Specialty Contractors: Project Sunday (millwork/furniture), Root'd (interior design)











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of 2018

Most Outstanding Specialty Contracting – Electrical

UPS Regional Operations Facility

The electrical contract for this massive project topped \$12.5 million dollars and required a herculean effort to complete the majority of in less than eight months. Six of eight divisions by the contractor were utilized on this facility. The team designed and built a 12 Megawatt substation with two 10 MVA transformers, in addition to the tempolar connection system to connection systems.

Crews optic term system to foot build system for this massive the public project to project t

the public safety infrastructure to ensure connectivity to first responder radio systems.

Crews wired over one-thousand fiber optic terminations, a high-tech wi-fi system throughout the 840,000 square foot building, and a complex CCTV camera system for all in-house security.

Owner: United Parcel Service, Atlanta GA

Architect: Babcock Design

General Contractor: Layton Construction **Electrical Engineer**: Hunt Electric

Mechanical Engineer: David L. Jensen &

Associates

Structural Engineer: Dunn Associates, Inc. **Civil Engineer:** Dominion Engineering

Associates

Electrical Subcontractor: Hunt Electric **Mechanical Subcontractor**: DB Mechanical















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Most Outstanding Specialty Contracting -Masonry

Ira A. Fulton College of Engineering Building

The masonry on this south campus project that renovated the original Clyde Engineering building is something special, with a unique combination of varying materials, including brick, ACM panels, curtain walls systems, punch windows, and details that emphasize color hues precast.

The 200,000 square foot, five-story building at Brigham Young University includes longer, slender brick draws on

horizontal lines, with low life cycle costs and solid durability. Cordova stone was used, offering the look and feel of a more costly natural limestone. Precast bands, sills and wall caps provide additional and detail sculptural characteristics, illustrating the true masonry craftsmanship on this project.

Owner: Brigham Young University **Architect**: VCBO Architecture **General Contractor**: Jacobsen Construction / Span Construction - Joint Venture

Electrical Engineer: Envision Engineering Mechanical Engineer: Colvin Engineering

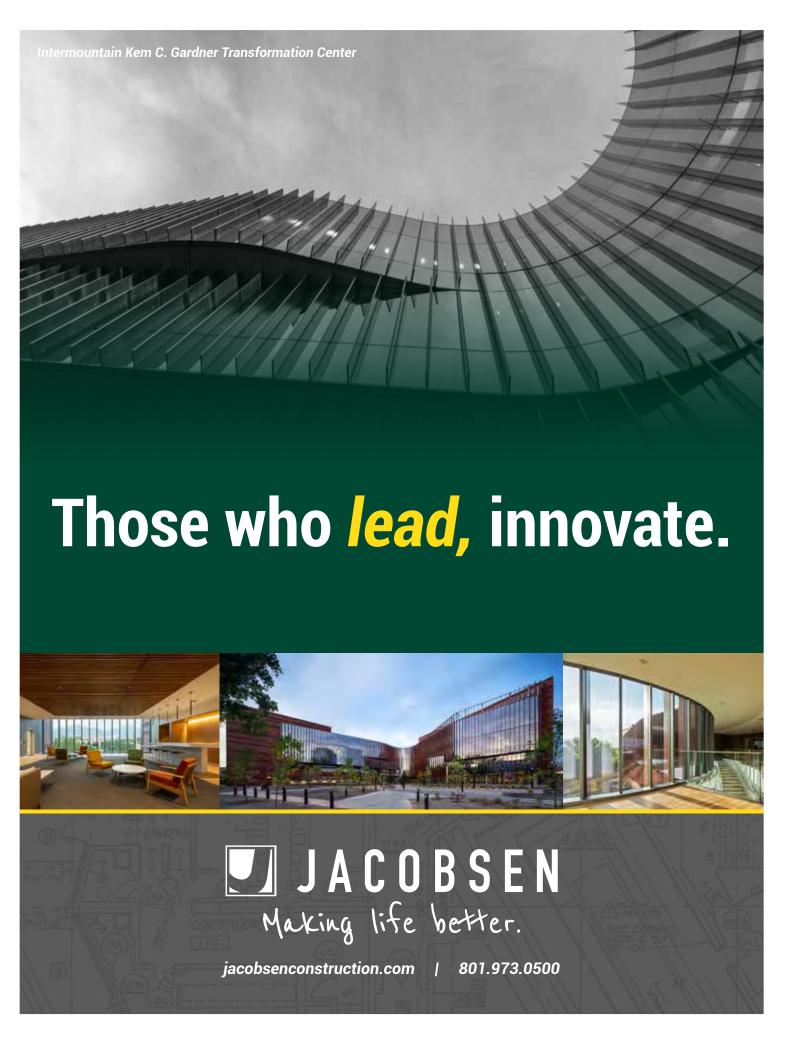
Structural Engineer: Dunn Associates, Inc. Civil Engineer: Meridian Engineering Earthwork & Utilities: Sunroc Corporation Masonry Subcontractor: IMS Masonry













Most Outstanding Specialty Contracting -Mechanical

Carolyn and Kem Gardner Commons

Located in the heart of the University of Utah campus, this magnificent 209,000 square foot project replaces the former Orson Spencer Hall, one of the oldest campus buildings, and will serve as the primary home to the College of Social and Behavioral Science. It includes a new welcome center, 33 classrooms, two auditoriums, collaborative lab facilities and student study spaces.

This \$6.5 million mechanical contract utilizes geothermal heating, with central campus cooling, which provides a more energy-efficient solution as the building aims for LEED certification. The watercooled VRF system is the first of its kind on the campus, and required careful coordination during installation.

Owner/Developer: University of Utah -DFCM

Architect: MHTN Architecture

General Contractor: Okland Construction **Electrical Engineer:** Envision Engineering Mechanical Engineer: Colvin Engineering

Associates

Structural Engineer: BHB Structural Engineers

Civil Engineer: PSOMAS

Electrical Subcontractor: Cache Valley lectric

Mechanical Subcontractor: Archer Mechanical

Other Specialty Contractors: ISCE (lab work)













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Most Outstanding Sports/Recreation Project

Zions Bank Real Academy

Few structures are as impressive as Dell Loy Hansen's latest addition to his burgeoning Utah soccer empire - a world-class, \$75 million dollar training academy and school in Herriman that by all accounts the crème de la crème of such facilities in the U.S.

The 47-acre campus includes a 300-student, 77,000 square foot high school and five professional-size outdoor soccer fields for Real Salt Lake's academy and professional teams. The crown jewel

is the 208,000 square foot indoor soccer training center, which features two fullsize fields with unobstructed, column-free views, courtesy of the world's largest preengineered free-span building in North America.

The main 5,000-seat outdoor stadium includes locally manufactured precast bleachers, steps and ADA platforms, with precast erection happening in just four weeks.

Owner/Developer: Dell Loy Hansen /

Real Salt Lake Soccer Club **Architect**: EDA Architects

General Contractor: Wasatch Commercial Builders

Electrical Engineer & Subcontractor:

Hunt Electric

Mechanical Engineer: Colvin Engineering Associates

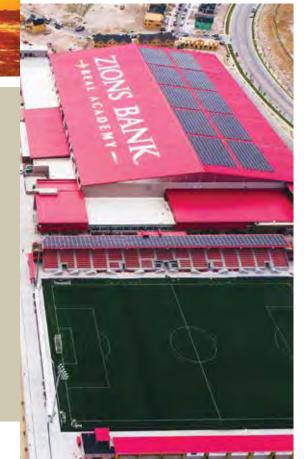
Structural Engineer: ARW Engineers; Nucor Corp.

Civil Engineer: Infinity Consultants

Mechanical Subcontractor: Precision HVAC Earthwork & Utilities: Sunroc Corporation

Precast Concrete Subcontractor: Forterra Structural Precast, Other Specialty

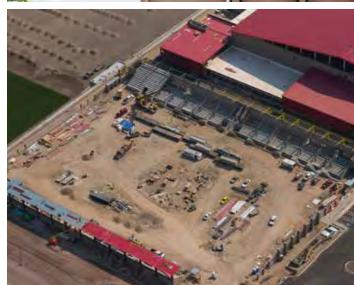
Contractors: Shamrock Plumbing, Front Line Concrete, Captial Glass, Advanced Steel Erectors, Anchor Retaining Walls

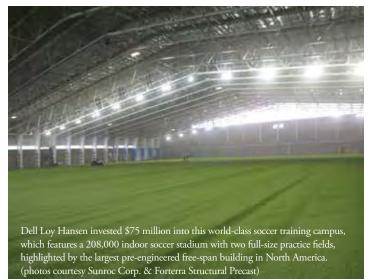












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UCSD Outstanding Projects of 2018

Most Outstanding Tenant Improvement Project **Podium**

The design team created several unique, open spaces in the new Podium headquarters in the heart of Lehi's Silicon Slopes. The five-floor, 128,000 square foot building signals the arrival of this fast-growing software services firm, with a fun, trendy building offering a bevy of employee amenities. Polished concrete floors and natural wood design elements play off each other well. An innovative

bleacher staircase cuts through the first and second floor, connecting employees to other spaces of the office, and serving as stadium seating for large corporate meetings.

Areas to meet and eat were designed into each floor, along with a cross-fit gym, a bike shop, and dedicated space for the firm's legendary smash ball tournaments.

Architect: Beecher Walker
General Contractor: Okland Construction
Electrical Engineer: Hunt Electric
Mechanical Engineer: Harris Mechanical
Structural Engineer: Dunn Associates, Inc.
Civil Engineer: Ensign Engineering

Owner: The Boyer Company

Electrical Subcontractor: Hunt Electric Mechanical Subcontractor:

Harris Mechanical

Other Specialty Contractors: Cory Sistrunk (Concept Designer)











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Most Outstanding Water/Wastewater Project 500 South Diversion, Phase 1 Pipeline Project

This key \$14.3 million dollar infrastructure upgrade to Salt Lake City's sewer system consisted of installing 15,000 feet of 22-inch H-D-P-E sewer force main, along with odor control and energy dissipation vaults. A 54-inch tunneled crossing of Jordan River with 25-foot shoring pits was also completed, along

with two directional drilled crossings of Redwood Road. 50-foot deep excavations for the river crossing were particularly challenging, requiring innovating construction solutions that ensured safety and timeline, while also reducing the overall budget by nearly \$1 million dollars.

Owner: Salt Lake City Corporation Lead Design Firm: Water Works Engineers General Contractor: Whitaker Construction Other Specialty Contractors: HDD Wilco,



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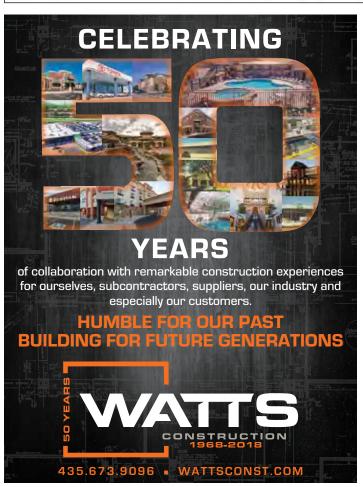
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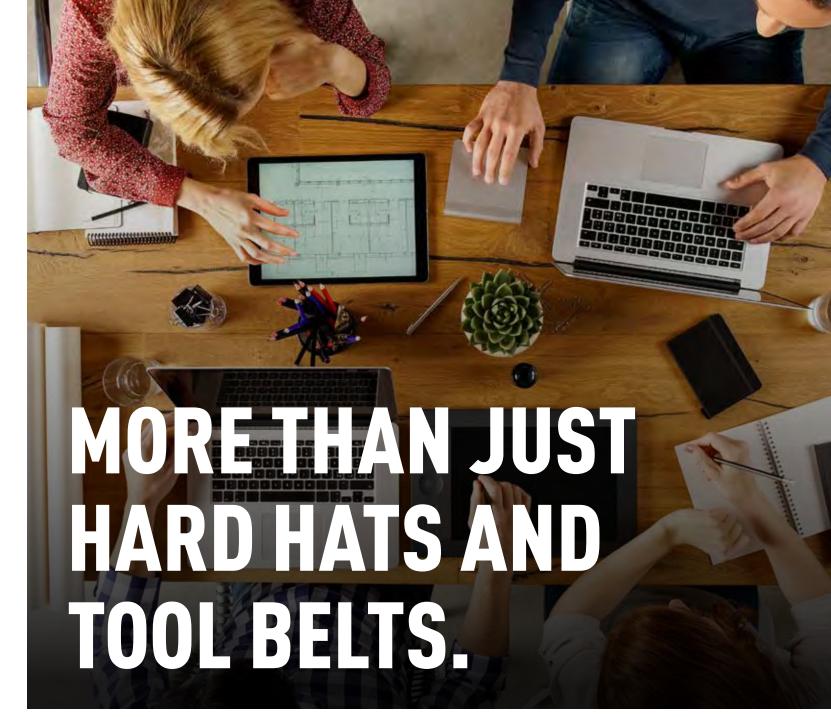
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