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On the cover: The Provo City Center Temple was reconstructed for the Church of Jesus Christ of Latter-day Saints by Jacobsen Construction of Salt Lake City. Originally the Provo Tabernacle, the more than century-old building was destroyed by fire in December 2010, before being rebuilt as a modern-day temple. (photo courtesy Jacobsen)
Kudos to Utah's A/E/C Industry

On December 8 we held our publication’s 3rd annual ‘Most Outstanding Projects’ awards breakfast at Little America, where a remarkable crowd of more than 400 people from Utah’s A/E/C industry gathered to celebrate and honor 31 award-winning projects.

I must admit, as I watched the ballrooms gradually fill to capacity, I was fairly blown away at the number of folks who showed up to celebrate with us. But it was also a realization that this event gives people in this great industry a chance to be recognized for their skill and talent at designing and building these incredible, life-enhancing projects.

Our 'Project of the Year' was awarded to the LDS Provo City Center Temple, a historic structure formerly known as the Provo Tabernacle before being gutted by a four-alarm fire more than five years ago in December 2010. Church leaders quickly decided to restore it as a temple, and the painstaking design and construction process began.

Besides being restored into a beautiful, modern-day temple for the Church’s worthy members to use for sacred ceremonies, perhaps the most impressive construction feat was preserving a majority of the masonry exterior and putting the building on ‘stilts’ in order to work from the basement up.

We appreciate firms in the industry who submitted projects for consideration. We had a record 90-plus submittals, which proved challenging for our Awards Jury. We encourage more firms to get involved in UC&D, not only for our Awards event, but also throughout the year.

We rely on people within the industry for much of our news and information. I so appreciate the occasional email from a marketing or business development specialist alerting me to their firm’s activities. The squeaky wheel gets the oil, or in this case, the recognition. We have always prided ourselves in the fact that we do literally try and ‘spread the wealth’ in terms of editorial coverage. With so much incredible activity, it’s impossible to cover ‘everything’, but we’re going to keep trying to do our very best.

This issue marks the end of our third year publishing UC&D (and my eighth full year as a journalist in the industry). I’ve said it before, I’ll say it again: From a media/journalism standpoint, this is perhaps the most underrated industry in the entire business community, and I suppose I’m thankful for that, because it allows us to ‘fill the void’ and serve as the ‘voice’ of the A/E/C industry.

Every year I have the opportunity to interview a wide array of people who are so skilled and talented. Everybody has a story to tell – that is for sure. I was honored to interview people like Jim Laub of Cache Valley Electric, Utah’s largest electrical contractor and a company that celebrated its 100th anniversary earlier this year. I will always count that interview among my favorites (if you want to read the entire interview/story on CVE’s 100th go to our website!).

But the most powerful interview I had this year was with Dennis Cechini, a Wisconsin native and long-time architect with MHTN Architects who is one of the more personable folks in the industry. Dennis retired this year, shortly after his son, Tennyson, died from a drug overdose. Some things in life you can’t sugarcoat, and this is one of them. I rarely spend more than a hour in a face-to-face interview – this one was more than two and could have lasted another two, easily. Dennis and his wife are looking at ways to give back, and to change how some things are done in regards to drug treatment for children.

We look forward to the coming year – by all estimates and prognostications thus far, 2016 promises to be one with a bevy of opportunity for us all.

We hope for prosperity, and wish you all a Happy New Year!

Regards,

Brad Fullmer
Publisher/Managing Editor
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Here to Help.
Do You Manage or Do You Lead?

By Michael Buell

There are a variety of roles in our industry. From senior managers to whatever you might consider the bottom of the corporate food chain, every one of these roles has a purpose and a value. A combination of project executives, project principals, project managers, business developers, marketing coordinators, superintendents, foremen, project architects, designers, project engineers, estimators, accounting, IT and HR specialists and administrative assistants make up all of our firms. Which of these roles are capable of producing a leader in either your firm or the industry? I say it’s all of them!

I recently led a full day business development workshop for a collection of marketing, BD, technical and senior management representatives from architecture, engineering and constructions firms throughout British Columbia. Among the many topics that were discussed at length, management vs leadership was particularly intriguing to the large attendance. We discussed the tactical approach of managers vs the strategic approach of leaders. We also compared the two roles thusly:

- **Management** is a profession and people have to work for you.
- **Leadership** is a calling and people want to work with you.
- Managers want to see results.
- Leaders want to see achievement.
- Managers affect the details by which we maintain our focus to be successful.
- Leaders affect our desire to strive and create great things for our clients.
- Managers do things right.
- Leaders do the right things.
- Managers make you do stuff that needs to get done!
- Leaders make you want to do stuff that will be awesome!

Though different in many ways, it is imperative that a firm has both to truly prosper. I believe the best proof that leadership resides within your firm and that young leaders have opportunity to shine lies within the culture of the firm. For genuine leadership to develop, a firm must:

- Believe that trust and likeability inspire clients to work with you just as much, if not more, that expertise;
- Involve a variety of staff in the strategic planning process;
- Allow everyone a voice or opportunity to innovate;
- Make certain that all members of a team or a pursuit are respected and appreciated;
- Recognize those who actually make things happen (accomplishments vs tasks);
- Support professional development, and
- Know who pays everyone’s salary...do you know?

This all goes back to the question at hand...do you manage or do you lead? Do you do your job well or do you do your job well and also help others around you be more successful too? Are you driven to avoid engagement or are driven to make yourself and others around you sparkle? Is it hard for you to not lay blame elsewhere to a problem or is it easy for you to bypass that and focus quickly and effectively on the best solutions for your team, your partners and the client? Do you seek credit for everything you do or do you more enjoy giving kudos to those who worked alongside you to create positive outcomes? Do you hire submissive subordinates that will say yes to everything you say or driven rainmakers who might just help you push your firm forward?

I have often shared that there are three groups of people we engage every day: clients, colleagues and peers. All three of the groups would benefit from either your leadership mentality or that same effort from someone else. Be aware that clients want to be enlightened and supported; colleagues want to be respected and supported; your peers want to be connected and supported. If you help a client be more knowledgeable about the latest technologies, processes or industry lessons learned, you will earn a raving
fan. If you inspire a colleague to share his or her talents and ideas in a big project meeting, you will earn a raving fan. If you recommend an industry friend for a new job or for a committee appointment, you will earn a raving fan.

In all these scenarios, you are being a leader in your firm and in the industry no matter what your title or your tenure and in turn, doing wonders for your personal and professional reputation.

In a time that seems to be the most divisive and tumultuous it’s been in my almost 50 years, I target the source as a pure lack of leadership. If you are in a firm that is also divisive between departments, divisions, its hierarchy or between long-timers and new hires, you have the opportunity to make a difference and inspire those around you to work together and celebrate success as a team every chance you get.

If you seek either respect, influence, success or a combination of all three, I contend that the best way to meet your goals is to be the team-oriented, inspiring leader that your firm needs and that your career demands.

So, what’s in your…spirit?

Michael T. Buell, FSMPS is the Client Development Director with CCI Mechanical, Inc. in Salt Lake City, leading all strategic marketing and client development efforts. He is also an international speaker, co-creator/lead faculty member of SMPS’ Business Development Institute, Chair of DBIA Utah, and adjunct professor at the University of Utah. He can be reached at 801.541.3440.
Taylor Retires From R&O Construction After 18 Years

Barbara Taylor, a marketing and business development professional from Ogden-based R&O Construction, retired from the firm in September after more than 18 years.

“I can tell you this much...we miss her,” said Orluff Opheikens, founder and Chairman of R&O. “She’s one of my favorite people in the world. I’ve known Barbara since college and when we were looking to fill what we thought was a role – which she certainly expanded – I went after Barbara.”

Taylor graduated from Ogden High and Weber State University and has been an active participant in the Ogden community in various aspects for many years, including Director of the Ogden Symphony Ballet and also the Ogden Chamber of Commerce. Along with Dale Campbell, she helped bolster R&O’s presence in the construction industry.

“Barbara was instrumental in the marketing and business development department since day one,” added Opheikens. “There was no marketing department before that, proposals weren’t as big of a deal then. (Our team) always was out there on the cutting edge and would keep us in the loop at what was coming down the road. She was so good at taking care of people – she was well known in both Ogden and Salt Lake. Everybody who knew Barbara loved her, and as a result, they loved R&O.”

“I love Barbara – she has been the heart of R&O as far as our image, and as far as making us look great,” added Slade Opheikens, President of R&O. “She is a great leader and is well known and highly respected in the industry. She will be missed, but I wish her the best in enjoying the rest of life.”

Taylor, who started at R&O in July 1997, said working in construction for nearly two full decades gave her a major appreciation for the skill and talent of the people in the industry, and the collaborative effort it takes to see a project from day one through completion.

“The marketing staff gets to see the groundbreaking and watch the whole process through the ribbon cutting, and to watch what these people do – especially field people – it’s amazing to me,” said Taylor. “To watch them and how hard they work, and the people skills they have to have to work with owners and subcontractors – it’s a huge skill set.”

Taylor was also an active member of the Utah Chapter of the Society for Marketing Professional Services (SMPS), serving as President in 2006. She said she enjoyed the many relationships she developed among professional peers within SMPS.

“It gave me a lot of respect for them, going through the ups and downs of the industry, and a lot of respect for those survival skills,” said Taylor. “It’s been interesting to see how competitors stick together...overall people in the A/E/C industry support each other in a lot of ways – SMPS is certainly like that. We’re able to share in our trials, and our successes.”

Though officially retired, Taylor is currently working with the firm on writing a book on R&O’s history, which is a nice way to transition out of the firm.

“Orluff wants to leave a legacy for our next generation so I’ve been interviewing employees, and I’ve found out a wealth of fascinating stories,” she added. “I’m lucky to be connected that way.”

Three members of the Utah Chapter of the Society for Marketing Professional Services (SMPS Utah) recently earned the designation of CPSM.
Certified Professional Services Marketer (CPSM) Fran Pruyn, Senior Principal of Marketing and Business Development for Salt Lake-based CRSA, Vicky Golie, Marketing Director at Babcock Design Group of Salt Lake, Cali Centurión, Marketing Director for MGB+A | The Grassli Group of Salt Lake.

Pruyn has been active in Utah’s A/E/C industry for three decades, in addition to serving as current SMPS Utah President, along with being chair of several non-profit organizations.

Golie has worked in the A/E/C industry for more than 16 years and is an active SMPS member. At BDG she wears many hats coordinating the marketing needs of the firm with everything ranging from marketing research, collateral development, award preparation, developing proposals, website coordination, strategic and marketing planning to business development and.

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public relations. She also has an extensive background in office management and is a seasoned meeting/event planner.

Centurión studied elementary education but switched to marketing and began working at MGB+A in 2005. She has led MGB+A’s internal and external marketing efforts from as far away as Argentina, creating a more organized and creative feel to the company’s public relations and advertising campaigns. Her experience with MGB+A also includes human resources, bookkeeping and client relations. She has been involved with SMPS for six years and served on the Utah Chapter’s Education Committee in 2014.

CPSMs are recognized as having the experience and knowledge to generate profitable business in the architectural, engineering, and construction marketplace. To achieve this designation, certification candidates must meet educational and experience requirements, pass a rigorous written examination, and pledge to abide by the CPSM Code of Ethics.

To learn more about SMPS and the certification program, contact Marketing Manager Michele Santiago at 1-800-292-7677, x245, or michele@smps.org, or Certification Manager Kevin Doyle, x232, kevin@smps.org. Information also is available at www.smps.org.

**The Commercial Real Estate Women Utah association** recently announced that Michelle Doong of Mountain West Retail Investments is the recipient of a $5,000 scholarship and CREW Utah membership. Doong is a first-year student in the MRED program at the University of Utah. She is currently a retail broker and has her eyes set on a career in the commercial real estate industry.

CREW Utah also announced that Julie Kilgore, President of Wasatch Environmental, has earned a Network Leadership scholarship that will allow her to participate in three leadership conventions offered by MIT, Harvard and Emory. This scholarship was made possible in part by Mike Roderick of Roderick Enterprises.

Finally, Julie Berreth of Architectural Nexus won a Convention scholarship to Seattle, which was made possible by John West of Cottonwood Partners.

CREW Utah is a chapter of CREW Network that exists to advance the success of women in commercial real estate.

**Honnen Equipment Co.** announced the appointment of Shane Frazee as the company’s new Western Colorado/Southern Utah Sales Manager. Honnen Equipment is the authorized dealer for John Deere Construction & Forestry Equipment in the Rocky Mountain Region. Frazee will oversee all John Deere Construction sales operations for the western region of Colorado and southern Utah. He has 17-plus years of experience with Honnen, having started in 1997, and has held the following titles: Service Technician, Customer Support Advisor, Branch/Service Manager, Territory Manager and now Sales Manager.

“Having a Sales Manager who lives on the west slope of Colorado will help Honnen provide greater support to our customers in that region. We are excited to have Shane on our management team,” said Steve Malloy, Vice President of John Deere Sales.

**The Intermountain Chapter of the International Interior Design Association (IIDA)** has been making significant progress in Utah since becoming a standalone chapter (No. 34 nationwide) in July 2014. The chapter boasts 10 current board members, including President Jenn Celestino, an Associate/Interior Designer with Salt Lake-based Method Studio, Inc. Celestino earned a Bachelor of Interior Design from Florida State University and has been involved with IIDA since college, having served on the IIDA Rocky Mountain Chapter board as a V.P. of Communications.

Other chapter board members include:

- President Elect: Stephanie Mulford, Associate/Interior Designer, FFKR Architects
- Past President: Laura Tungseth, Account Executive, Tandus Centiva
- VP of Advocacy: Deborah Warren, Account Executive, Design Tex
VP of Communications: Kyra Bell, Interior Designer, ajc architects
VP of Student Affairs: Amy Curtin, Sagrada Design Studio
VP of City Centers: Kara Norlin, Interior Designer, Midwest Commercial Interiors
Salt Lake City Center Director: Becky Kendrick, Account Executive, Design Source
VP of Professional Development: Sarah Breinholt, Interior Designer, Workspace Elements

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The only publication dedicated exclusively to Utah’s A/E/C industry!
Provo City Center Temple Earns ‘Project of the Year’

UC&D honors 31 projects with Awards from more than 90 submittals.

It’s truly hard to quantify the importance of the A/E/C industry on our overall quality of life. After all, everything at some point — including buildings, highways, bridges, pipelines, water/sewer systems, etc. — was designed and constructed by highly skilled project teams.

This year’s Jury of nine local professionals poured over more than 90 project submittals (a record number) and came up with 31 projects in 32 categories that were deemed ‘Most Outstanding’. The only requirement was that the project be 100% completed by the end of 2015.

By all accounts, this list of projects illustrates the incredible collective skills of primarily Utah-based architects, general contractors, subcontractors, engineers, and suppliers. Not only that, but it shows that great projects are being built all over the state. Areas such as Midvale and the Uintah Basin both had multiple projects earn Most Outstanding status.

We appreciate the opportunity to highlight these projects and offer our sincere congratulations to every person and firm involved in their creation.
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Like a Phoenix rising from ashes, the Provo City Center Temple stands as a testament to what can be done when a group of talented design and construction professionals put their heads together and collaborate on creating a truly historic and once-in-a-lifetime project.

Formerly the home of the historic Provo Tabernacle, the building was completely gutted by a four-alarm fire on December 17, 2010, leaving nothing but portions of the brick masonry exterior. Officials from the Church of Jesus Christ of Latter-day Saints quickly decided they wanted the building not only preserved and renovated, but completely transformed into a state-of-the-art modern temple, a facility used for special religious ceremonies for faithful LDS members.

Preserving the building’s 3,500-ton exterior was crucial to the transformation and required significant innovation throughout the design and construction process, including a series of complex scaffolding sections. After much careful planning and thought, the contractor placed the structure on 40-foot high stilts in order to begin construction in the basement.

Crews excavated to 25 feet below grade over a 150,000 SF area and 40 feet below grade over 15,000 square feet, and then installed complex shoring and dewatering systems. To protect the exterior shell, two layers of brick were removed from the structure’s perimeter, while the remaining three layers were secured with steel ties. Concrete was applied through rebar grating around the interior for additional stabilization. Sensors and laser survey equipment were used to ensure the building did not move. »
UC&D's Outstanding Projects of 2015
It would be an understatement to say that just the idea of preserving this structure was a daunting task facing the construction team.

“ITLL be honest,” said Jacobsen Superintendent Rod Lawrence, “the first day I toured the burned out shell of the Provo Tabernacle, I thought, “Why would they save this structure given the condition it was in?” Later that day, I watched media coverage of the fire and saw the effect it had on the community. I saw people on their knees, crying, in the middle of a cold winter night as they watched the Tabernacle burn. I soon realized what this structure meant to the people of Provo and Utah. I understood why this structure needed to be saved.”

Placing a building on 40-foot stilts was just a Herculean feat on so many levels, and attracted the interest of the Provo community.

“People (were) amazed when they saw (the construction site),” said Andy Kirby, Project Manager for the LDS Church. “They haven’t seen anything like it before. They just say it doesn’t look real and are amazed that we can do that, that we can lift a building up with the piles like that.”

The simple Gothic Revival exterior was completely restored, as was the roof and other historic finishes, while the interior was transformed into a more functional and modern-looking space. Much of the materials that went into the building were custom-made, requiring careful planning to account for long lead times. Like other LDS Temples, interiors are ornate and of the finest quality, with materials brought in from remote national and international areas.

The building was architectural restored to be as close to the original as possible, a Herculean feat for designers, contractors and the craftsmen who created these one-of-a-kind finishes.

“This really is a once-in-a-lifetime project,” said Kirk Dickamore, Jacobsen Project Manager. “The Provo Tabernacle was an icon for the city and the Church. Collaborating with our team to build this temple has been a remarkable experience. We’ve not only restored some of Provo’s historic charm, but preserved an important piece of history.”

Owner: The Church of Jesus Christ of Latter-day Saints
Architect: FFKR Architects
General Contractor: Jacobsen Construction
Electrical Engineer: Envision Engineering
Structural Engineer: Reaveley Engineers + Associates
Mechanical Engineer: Van Boerum & Frank Associates
Civil Engineer: Bowen Collins & Associates, Inc.
Landscape Architect: In-Site Design Group
UC&D’s Outstanding Projects of 2015
Located on the outskirts of Park City, this $23.7 million dollar project is a full-service, Hollywood-level production studio highlighted by three 15,000 SF sound stages, and another 48,000 SF of office and workshop space.

The complex marks the first phase of a master-planned film production community complete with additional digital stages, screening rooms, and a hotel.

It is the first sound studio in the world to be built utilizing Insulated Concrete Forms, which offered superior acoustic performance.

The building’s form is largely anchored on the three simple soundstage volumes with canted roof lines reminiscent of the surrounding Wasatch mountains.

Studios were designed with a 35-ft. height and 100-ft. clear spans, and required a structural roof design that could withstand Park City snow loads and seismic loads.

Owner: Park City Studios Development
Architect: ajc architects
General Contractor: Sahara Construction
Civil Engineer: Psomas
Structural Engineer: BHB Structural Engineers
MEP Contractor: CCI Mechanical
Electrical & Data Comm. Contractor: Hunt Electric

Outstanding Commercial/Mixed-Use Project
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Among the buildings in the Cottonwood Corporate Center, Cornerstone Phase I is in a league of its own with its unique design and overall aesthetics. Cornerstone sits on a nearly 9-acre parcel and ultimately will include two Class A buildings totaling 268,000 SF and structured parking for more than 850 cars.

Phase I was designed with materials and detailing that reflect enduring quality commensurate with other buildings on campus, while being distinctly different in character. The palette of materials includes red sandstone complimented by gray-green metal panels and aluminum framing, along with high-performance glass with a subtle blue-green overtone.

Other sustainable items include an IDEC cooling system and shading devices on exterior facades. LED lights are incorporated throughout the building, offering an attractive light quality.

The building has a moment-frame structural system, which allows for maximum interior flexibility with 45-ft column-free spans.

Owner: Cottonwood Cornerstone, LLC
Architect: Architectural Nexus
General Contractor: Big-D Construction
Electrical Engineer: Envision Engineering
Mechanical Engineer: Colvin Engineering Assoc.
Structural Engineer: ARW Engineers
Civil Engineer: Ensign Engineering
UC&D’s Outstanding Projects of 2015

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Outstanding Large Community/Institutional Project

Payson Temple

The Payson Temple in South Utah County is a testament to the talents of both designers and artisans who collaborated to produce an exquisite piece of architecture. Interior and exterior design elements are ornate, and were very carefully chosen.

Art glass, which is present on the steeple and in the chapel, was designed specifically for this building, as were wood materials and stains, walls treatments, and even intricate ceiling details. The interior features finely designed custom-clad metal railings and decorative light fixtures. A classical architectural style is influenced by the pioneer vernacular of the area.

The highly articulated Architectural Precast Concrete highlights the skills and talents of the craftsmen, and is a stunning example of the level of detail that can be achieved in modern architectural precast. The design includes fine integral details such as braided rope at external corners, the Delectable Mountain textile pattern, and lattice details at the freeze above cornices.

Owner: The Church of Jesus Christ of Latter-day Saints
Architect: Architectural Nexus
General Contractor: Wadman Corporation
Electrical Engineer: GSL Electric
Structural Engineer: Reaveley Engineers + Associates
Mechanical Engineer: Heath Engineering
Lighting Design: BNA Consulting
Precast: Hanson Structural Precast, Inc.
Electrical Contractor: GSL Electric
Mechanical Contractor: Comfort Systems
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Outstanding Small Community/Institutional Project

Uintah County Conference Center

This new $19 million dollar, state-of-the-art conference center is a spectacular addition to downtown Vernal and is the only building of its kind in a three-hour radius.

The 66,000 SF facility includes a 13,000 SF grand ballroom that can be divided into seven breakout rooms, and is capable of hosting more than 1,200 people.

The south foyer is illuminated by 36-ft-high, floor-to-ceiling windows, and a grand staircase with a glass railing leading to the mezzanine level. The north foyer includes three 10 ft. by 12 ft, three-dimensional gypsum-formed panels.

Exterior features use clean, crisp lines and materials, coupled with large, prominent overhangs and an overall modern aesthetic. Materials include aluminum and zinc metal panels, stone veneer, CMU block and glass.

A custom designed art piece named ‘The Energy Monument’ highlights the plaza outside the main entrance, celebrating the Uintah Basin’s role in the oil and gas industry.

Owner: Uintah County

General Contractor: Layton Construction

Architect: Babcock Design Group

Structural Engineer: T4 Engineers

Civil Engineer: Civil Solutions Group

Electrical Engineer: Envision Engineering

Mechanical Engineer: Van Boerum & Frank Associates

Specialty Contractor: IMS Masonry
Outstanding Concrete Structures Project

Utah State University Tooele Science & Technology Building

This 26,000 SF facility is part of USU’s Tooele Education Corridor, and houses Biology, Chemistry, Physics and Human Anatomy Labs. It is the first building at the campus, requiring site development and utility infrastructure that meet the needs of this building and other future projects within the campus master plan.

Concrete plays a prominent role in the building’s aesthetics, particularly in open lobby spaces. The use of board formed concrete and wood siding speaks to the local rural vernacular, while glass and metal panels speak to technology and forward-thinking learning environments. The upper portion of the building is clad in ‘ippy’ – a beautiful South American hardwood not typically used in this application.

Natural daylighting is prominent throughout the facility, with large windows offering excellent views to the outdoors. Bright colors and unique flooring patterns add to the building’s warmth and charm. The project is aiming for LEED Silver certification.

Owner: DFCM
Architect: Method-Studio
General Contractor: Gramoll Construction
Structural Engineer: Reaveley Engineers and Assoc.
Civil Engineer: Ensign Engineering
Electrical Engineer: Spectrum Engineers
Mechanical Engineer: Van Boerum & Frank Associates
Electrical Contractor: CR Lighting and Electrical Mechanical Contractor: KHI Mechanical
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Outstanding Concrete/Tilt-Up Project

Alder Home Security Building

This three-story, 40,000 SF tilt-up concrete office building is a prime example of how tilt-up structures can be utilized on a Class A Office building project.

By integrating architecture and structural engineering components, concrete walls were minimized on the exterior to enhance views to the outside, in addition to reducing seismic mass. The building has a variety of geometric shapes and volumes, while giving the owner the ability to use it for multiple tenants on different levels.

An 18 ft. by 40 ft. central atrium rises 55 ft. and highlights the main lobby space, while windows that extend to the floor in other spaces help filter in copious amounts of natural light. Portions of the building have 270 degrees of unobstructed views. The tallest wall panel is more than 56 ft., with the longest spandrel checking in at 41 ft. Exposed tilt-up walls are used inside to define space and resist lateral loads.

Owner: Alder Home Security
Architect: AE Urbia
General Contractor: Robinson Brothers Construction
Concrete Tilt-Up Sub: Robinson Brothers Construction
Structural Engineer: AE Urbia
Electrical Engineer: Royal Engineering
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Outstanding Green/Sustainable Project
University of Utah S.J. Quinney College of Law

This new 155,000 SF, $58 million dollar building is a stunning addition to the University of Utah and provides not only a new home for College of Law students, but acts as a gateway to the campus. A 30-ft. elevation gain across the site is gracefully addressed with a series of sloping sidewalks integrated into the topography.

Sustainable features are abundant, as the project is aiming for LEED Platinum certification. It was designed with a goal of achieving a 65% reduction in energy costs beyond code requirements, through both passive and active design measures.

One highlight is a chilled beam HVAC system, which heats and cools the building. Irrigation well water is the main source for cooling, while a gray water treatment system will treat lavatory and shower water for myriad uses.

Other sustainable aspects include 100 percent LED lighting, fixed exterior sunshades and overhangs to minimize solar gain, and a lighting system control with occupancy and daylight sensors.

Owner: State of Utah DFCM, University of Utah
Architect: VCBO Architecture; SmithGroup
General Contractor: Big-D Construction
Structural Engineer: Dunn Associates, Inc.
Civil Engineer: Nolte NV5
Electrical Engineer: Spectrum Engineers
Mechanical Engineer: Colvin Engineering
Electrical Contractor: Rydalch Electric
Mechanical Contractor: Palmer Christiansen Company Inc.
Outstanding Large Healthcare Project

Budge Clinic Expansion & Remodel at Logan Regional Hospital

This $34 million dollar project included the addition of 100,000 SF of high-tech modern hospital space and a 60,000 SF remodel of existing space on the southwest side. Healthcare providers from the hospital’s 20 specialties consulted with designers early in the planning process to determine layout schemes and other critical features.

One initial challenge was designing a safe public corridor for people moving in and out of the existing hospital, which was achieved by using steel sea containers. Another challenge was dealing with an unknown 8-inch water supply line during excavation. Re-routing the water line created a four-week delay. To make up for lost time, the general contractor devised a plan that raised footings and foundation walls, ultimately minimizing shoring and excavation timelines.

Design elements are modern and inviting, with a warm red brick exterior complimented with high-E glazing and a stylish look. Elements of steel exist on the interior, particularly on stair railings.

Owner: Intermountain Healthcare
Architect: VCBO Architecture
General Contractor: Jacobsen Construction
Structural Engineer: Dunn Associates, Inc.
Civil Engineer: Great Basin Engineering
Electrical Engineer: Spectrum Engineers
Mechanical Engineer: Van Boerum & Frank Associates
Electrical Contractor: Taylor Electric
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Outstanding Small Healthcare Project

Uintah Basin Medical Center
ER Expansion & Renovation

This expansion and renovation more than doubled the size of the Emergency Department, from 4,200 SF to just over 10,000 SF. Design intent centered on form and functionality, with intuitive way-finding features and a universal exam room design that allows for maximum space flexibility.

The ER has evolved into an 11-bed unit highlighted by a soaring glass canopy. From a functional standpoint, separate public and ambulance entries were created, with a floor plan that is highly accessible for patients and staff. In addition to the main emergency treatment area is a Fast Track zone with triage space and two trauma rooms and a nurse station.

Interior design focuses on the regional area, with forms and finishes that are earthy, yet modern, and reflective of the surrounding Uintah Basin landscape including crystalline blues, cool sages, and the stained rim-rock of surrounding canyons and mountains.

Owner: Uintah Basin Medical Center
Architect: TSA Architects
General Contractor: Big-D Construction
Structural Engineer: BHB Structural Engineers
Civil Engineer: Jones & Demille Engineering
Electrical Engineer: Spectrum Engineers
Mechanical Engineer: Van Boerum & Frank Associates
Electrical Contractor: Taylor Electric
Mechanical Contractor: Mechanical Service & System, Inc.
The new 150,000 SF Student Life Center is the hub of social and recreation space on the U’s campus – and all under one roof. Prior to this project, campus rec services were located in three separate facilities.

Designed in a V-shape which splits the facility into two large masses, the new $41 million dollar building offers students a bevy of recreational options including a gymnasium, dance studios, climbing and bouldering walls, a running track, two pools and social spaces.

A high-performance building envelope includes a silicon spray air barrier and silicon boots to tie into the glazing system. Spray insulation was used against lower level foundation walls to create a tight seal. A terra cotta rain screen system was also utilized on the exterior for maximum energy efficiency.
UC&D's Outstanding Projects of 2015

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Located in Price, this two-story, 58,000 SF facility is a breath of fresh air for the 75-year-old campus. The $17 million dollar project brings students from different programs and backgrounds together at one central location, requiring design elements to cater to multiple uses and departments, while inspiring a sense of camaraderie and fostering interaction among students.

The building required a wide variety of finish materials, including hot-rolled steel panels, a unique exterior thin-brick system, rusted panel walls, glass handrails, polished concrete, and board-formed concrete walls, all of which contribute to the aesthetics.

The black box theater is formed as a cube to maximize versatility and is clad in hot-rolled steel, which reflects the character of the regional mining community. Interior facing steel surfaces will remain raw, yet dark and pristine, while exterior steel surfaces will weather into rich rusted tones.

Music rooms are shaped in response to acoustic performance requirements, with the volume being wrapped in finely crafted cedar planks.

Owner: State of Utah DFCM
Architect: Method Studio
General Contractor: Jacobsen Construction
Structural Engineer: Reaveley Engineers + Associates
Civil Engineer: Johansen & Turtle Engineering, Inc.
Electrical Engineer: Spectrum Engineers
Mechanical Engineer: Van Boerum & Frank Associates
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Outstanding Highway Project
Redwood Road/Bangerter Highway Interchange

This $30.7 million project consisted of reconfiguring the intersection at Redwood Road and Bangerter Highway into a full grade-separated Single Point Urban Interchange.

The design included optimizing structure geometry from a single-span bridge to a three-span bridge, which lowered structure depth, reduced fill heights, and reduced main span length, all of which saved UDOT approximately $1 million dollars in construction costs. The use of Cell-Crete was also used to minimize embankment loads and address differential settlement.

The project also widened Redwood Road to a six-lane urban arterial, with dual left-turn lanes in both directions.

Another innovation was the construction of a temporary road and utilizing two temporary traffic signs to better control traffic, creating a virtual Continuous Flow Intersection which reduced traffic volume by 20 percent while improving overall traffic flow.

Owner: Utah Department of Transportation
UDOT Program Manager: HDR
GC, Design/Build Lead: Wadsworth Brothers Construction Company
Engineering Design Lead: Wilson & Company
Utility Design & Subsurface Utility Engineering: Cobb, Fendley & Associates
MOT Traffic Modeling: Fehr & Peers
Geotechnical Investigation and Design: Gerhardt Cole, Inc.
Utility and Drainage Design: Project Engineering Consultants
Public Involvement: Somers-Jaramillo + Associates
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Outstanding Hospitality/Resort Project
The Summit at Snowbird Ski & Summer Resort

This 23,000 SF facility is one of the more breathtaking projects along the Wasatch Front, based strictly on its location at the top of Hidden Peak at Snowbird, and will offer dynamic 360-degree views.

Building a project of this magnitude on top of a mountain with an 11,000-ft. elevation is no small feat. Challenges were many, including hauling large steel beams, concrete, and other materials up a winding dirt road. A round-trip for a ready-mix truck hauling a small seven-cubic-yard load took more than six hours. Drivers often had to make three-point turns to navigate sections with tight corner turns.

The two-story project has a low-E, anti-reflective glass curtain wall system that is designed to withstand winds up to 130 miles per house. Location and angle of the building relative to the Salt Lake Valley was determined using location modeling to study glare down the canyon to minimize reflection while maximizing views.

A water purification system refines snowmaking water, and a unique snow-melting system was incorporated into the upper deck for safety and convenience.

Owner: Snowbird Ski & Summer Resort
Prime Architect: GSBS Architects
Partner Design Architect: lu’na design studio
General Contractor: Layton Construction
Structural Engineer: Reaveley Engineers + Associates
Civil Engineer: Stantec
Electrical Engineer: BNA Consulting
Mechanical Engineer: Van Boerum & Frank Associates
Electrical Contractor: Taylor Electric
Mechanical Contractor: Comfort Systems
Outstanding K-12 Project
Uintah High School & Complex

This $32 million dollar, 240,000 SF remodeled high school is one of the largest buildings ever completed in the Uintah Basin. The project was built in three phases over two-and-a-half years, with an emphasis on keeping faculty and students safe during the construction process.

The building includes a new 16-classroom addition, new commons, administration and grand entry additions, new synthetic turf fields for baseball, football, soccer and golf, new stadium team rooms, 8 concrete tennis courts, and a new 40,000 SF indoor athletic training facility.

Owner: Uintah School District
Architect: KMA Architects
CM/GC: Westland Construction
 Structural Engineer: Reaveley Engineers + Associates
Civil Engineer: Great Basin Engineering
Electrical Engineer: Ken Garner Engineering
Mechanical Engineer: Olsen & Peterson Consulting Engineers
Congratulations to the entire project team

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Riverton City Park

This spacious new 38-acre, $15 million dollar, multi-use park is a breath of fresh air for Riverton City. It consists of six new buildings, courts for tennis, basketball, pickleball and volleyball, a splash pad, rodeo grounds and bleachers, three playgrounds, picnic shelters and parking for 500 vehicles.

The centerpiece is an indoor meeting facility called ‘The Old Dome Meeting Hall’ that is reminiscent of an iconic church building that was originally built in the early 1900’s. The new domed facility incorporated architectural details from the original building, but adapted to support current building codes. Other park buildings were designed to compliment the historic feel of the domed structure. Wherever possible, older trees were protected during construction to give the park a mature feel.

Another design element is a water feature at the entrance – a single waterfall that divides into separate channels of water, symbolic of Riverton’s original settlers who drew on the resource of the Jordan River by building canals.

Owner: Riverton City
Architect: Think Architecture
General Contractor: Okland Construction
Structural Engineer: BHB Structural Engineers
Civil Engineer: Civil Science
Electrical Contractor: Taylor Electric
Specialty Contractor: Reynolds Brothers Excavation
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Outstanding Small Landscape/Public Space Project

Wayne Bartholomew Park

The City of Springville acquired a 25-acre farm and homestead at the mouth of Hobble Creek Canyon and turned it into a beautiful new park with amazing views of the mountains to the east and the valley below.

The $1.1 million dollar project is highlighted by fifteen-hundred SF restroom and concessions building, which was designed to be unique and site specific, with an old-time rustic look and feel inspired by the previous farm. Building materials included concrete block, but also re-used salvaged barn wood and corrugated metal roof for siding and roofing.

The design concept and use of the existing barn materials was extended out to the site by also covering small picnic pavilions with metal roofing. Landscaping elements seamlessly tie into the main building. A bio-swale was added to reinforce infrastructure and filter water before entering Hobble Creek.

Owner: Springville City
Architect: WPA Architecture
Landscape Architect: Logan Simpson Design
General Contractor: J. Lyne Roberts & Sons
Civil Engineer: Horrocks Engineers
Specialty Contractor: Big T Recreation
Outstanding Multi-Family Project

Canyon Crossing at Riverwalk

This project is part of the development revolution going on in Midvale and will provide residences for 180 low-income families. It represents the best of the Low Income Housing Tax Credit’s public-private partnership.

Nine of the 10 units are devoted to physically disabled adults. Amenities include a community room, computer room, fitness room and community garden.

Energy efficiency is a hallmark, with geothermal heating and cooling, triple insulation and tankless water heaters. The geothermal system required 218 wells drilled 300 ft. deep. Installation of sewer pipes, footings and foundations occurred simultaneously, requiring precision coordination among contractors.

The design utilizes a variety of durable materials such as metal panel construction, aluminum curtain wall entry systems at the breezeways, and the use of contemporary sloping parapet and high-vaulted roof lines. The open storefront glazing provided a way of designing the breezeway for code conforming ventilation.

Owner: Housing Plus
Architect: KCB Architecture
General Contractor: KIER Construction
Structural Engineer: Aldave Consulting Engineers
Civil Engineer: Ensign Engineering
Mechanical & Electrical Engineer: Royal Engineering
Outstanding Municipal Building Project
Midvale Municipal Center

This new 32,000 SF Municipal Center is a welcome addition to Midvale and replaces a 1930’s era, former library building. The facility provides space for City Hall and Justice Court operations, and was designed to improve functionality and efficiency. The center includes a multi-purpose room with a serving kitchen that can be used for special community events.

Sustainability was at the forefront of design with optimized energy efficiency, the use of sustainable materials, reduced water consumption, and a ground source heating and cooling system. One innovative feature is a rooftop area with an elevated patio, offering employees great views of the mountain and Historic Main Street.

The building is bright and airy with a combination of floor to ceiling windows in some spaces and beautiful lighting systems throughout, particularly in lobby areas, offices and the city council room.

Owner: Midvale City
Architect: JRCA Architects
General: Ascent Construction, Inc.
Civil: Ensign Engineering
Electrical: Ken Garner Engineering
Landscape: John Swain
Mechanical: VBFA
Structural: BHB Structural Engineers
Ascent Construction

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Duchesne is Utah’s largest energy-producing county when it comes to oil production. With hundreds of wells in the area, the Victory Pipeline is a critical new piece of infrastructure, bringing much-needed potable water to the region as it services 85% of the county.

The project team worked in extremely rugged terrain, challenging crews daily with varying elevations, types of soil, and rocky conditions. Work required crossing canals, the Duchesne River, and state highway and county roads with boring and directional drills.

The project consisted of the installation of more than 86,000 linear ft. of pipeline ranging in size from 30 to 22 inches, along with 17 butterfly valve vaults, and 49 three-to-eight inch diameter air or vacuum valves. The installed HDPE pipe is constructed to offer a zero percent allowable leak rate. Engineers predict the fully-fused pipeline system to deliver 30 percent more water due to no loss through leaking couplings, evaporation, or seepage.

**Owner:** Duchesne County Water Conservancy District  
**General Contractor:** W.W. Clyde & Co.  
**Civil Engineer:** Jones & Demille Engineering  
**Electrical Contractor:** Horton Electric
Outstanding Private Project over $10 Million
Sagewood at Daybreak

This 235,000 SF campus serves 55-and-older residents on the west side of the Salt Lake Valley. This state-of-the-art project includes 99 independent living apartments, 55 assisted living apartments, and two secure memory care households each with 23 private accommodations.

The Sagewood campus uses a holistic design concept envisioned as ‘distinct neighborhoods’ separated by landscaped courtyards. The image and identity of the 5.9-acre site is enhanced further by shared amenity spaces, varied building massing and exterior materials, and landscape design that encourages strong indoor/outdoor connections. Interior finishes and detailing are designed to reference and recall local, natural, geological and mineral resources.

One of the project innovations relates to storm water management. Rather than using standard detention ponds, storm water is collected in an underground detention system comprised of Stormtech domes and deep dry wells. Both components re-introduce all water directly back into the water table, with minimum evaporation and impact to the above ground site.

Owner: Kisco Senior Living
Architects: GGLO and Beecher Walker Architects
General Contractor: Rimrock Construction
Landscape architect: GGLO
Interior design: GGLO
 Structural Engineer: Dunn Associates, Inc.
 Electrical Engineer: Envision Engineering
 Mechanical and Plumbing Engineer: Van Boerum & Frank Associates
 Civil Engineer: NV5
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Located adjacent to the High West Distillery in Park City, this new facility serves as a gathering place for the Blue Sky Ranch and Resort development, which will eventually accommodate more than 300 guests for corporate retreats, training programs and other activities. Facilities will include a 24,000-square-ft. conference center, a luxurious spa and fitness center, and mountainside lodging for large or small groups.

The Blue Sky Reception Center is highlighted with timber trusses, board formed concrete, and custom metal siding to create a rustic aesthetic that blends in perfectly with the natural environment. The design incorporates these different elements and materials in a way that ensures the ambiance of the Old West. The materials are aesthetically pleasing, durable and highly functional. The building’s roof slopes dramatically to one side and provides for a contemporary, rustic look.

Interior spaces have beautiful wood floors and other wood elements, while exterior glass doors and windows allow in large amounts of natural daylight.

**Outstanding Private Project under $10 Million**

**High West Distillery & Refectory**

**Owner:** Phillips Edison Company  
**Architect:** ajc architects  
**General Contractor:** R & O Construction  
**Structural Engineer:** MJ Structural Engineers  
**Civil Engineer:** Meridian Engineering  
**Electrical Engineer:** Ken Garner Engineering  
**Mechanical Engineer:** WHW Engineering  
**Electrical & Data Communication Contractor:** Hunt Electric  
**Mechanical Contractor:** UMC
Outstanding Public Project over $10 Million

Carbon County Courthouse & Administration Building

This nearly $17 million dollar project is one of the most essential buildings to be constructed in this eastern Utah county in recent years. Various government departments – along with the courthouse and county commissioner room – will be housed in the two-story building, including human resources, engineering, public lands and roads, and a USU extension office.

The front exterior is highlighted with beige CMU block and a curved red sandstone rotunda that is accented with a wavy blue design element. The opposite side includes a vertical red sandstone element and showcases a floor-to-ceiling low-E glass curtain wall section which opens to the lobby.

The interior is divided by a beautiful atrium that is highlighted by a visually stunning metal-railed staircase, a memorial wall for war veterans from the County, and a glass skylight that runs nearly the length of the entire building. The skylight filters in copious amounts of natural daylighting, which greatly enhances the overall aesthetics.

Owner: Carbon County
Architect: Scott P. Evans Architects
General: Ascent Construction, Inc.
Civil: Hill & Argyle, Inc.
Electrical: Envision Engineering
Landscape: J Z. Landscapes, LLC
Mechanical Engineer: Van Boerum & Frank Associates
Structural Engineer: BHB Structural Engineers
Outstanding Public Project under $10 Million
Midvale Senior Center

This $4.7 million dollar building was designed with an emphasis on social engagement, lifelong learning, and personal wellness for Midvale’s Senior Community, with a bevy of fun activities and events within this highly modern and functional facility.

The site anchors the north end of Midvale’s historic Main Street and creates the south edge of an emerging civic center that includes a new city hall and future library. The 20,500 SF facility is aiming for LEED Gold certification and was designed using performance modeling software to evaluate different design options to maximize sustainability and aesthetics.

The center is comprised of two principle building elements. One is a single-story brick masonry structure with storefronts scaled to match historic Main Street, and two-story linear structure which forms the south edge of the civic campus. The articulated steel structure, folded copper cladding, and engineered wood siding bridge the design gap between historic and modern.

Owner: Salt Lake County
Architect: EDA Architects
General Contractor: Stallings Construction
Structural Engineer: BHB Structural Engineers
Civil Engineer: Ensign Engineering
Electrical Engineer: EELD
Mechanical Engineer: Van Boerum & Frank Associates
Electrical Contractor: Knight Electric
HVAC: Hustad Mechanical Inc.
Plumbing: MKB Mechanical
Publisher’s Pick

Mount Jordan Middle School Replacement

This modern-looking $40 million dollar middle school blends a unique style of form and functionality into a bright and airy space, offering students a fun and flexible learning environment.

At more than 206,000 SF, the building was designed to support the Canyons School District’s ‘STEM’ curriculum, and foster student engagement and collaboration. Spaces are designed into ‘Learning Communities’ that support multi-group, active, and project-based learning activities. Small break-out rooms support individual and small-group discussion.

During construction, a buckling restrained brace system was used to streamline the construction schedule and provide a more flexible and open facility.

Vibrant tones in the colors green, red, yellow, and blue are set against stark white walls and uniquely interspersed along gradually curving hallways. Black and white illustrations from various historical periods adorn walls above locker banks. The space is bright and open, offering incredible views throughout the school.

Owner: Canyons School District
Architect: MHTN Architects
CM/GC: Hogan & Associates Construction
Structural Engineer: Reaveley Engineers + Associates
Civil Engineer: Gardner Engineering
Electrical Engineer: ECE
Mechanical Engineer: Olsen & Peterson Consulting Engineers
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Outstanding Small Renovation/Restoration Project

Peoples Utah Bancorp Renovation

This historical renovation of the old Bank of American Fork is nothing short of spectacular. The building has maintained a continuous presence on Main Street for more than a century. It was originally built between 1909 and 1911, an imposing building along the City’s growing commercial corridor. Its neoclassic style signaled a growing independence from Salt Lake City.

Perhaps the biggest challenge was installing a new structural system for the unreinforced brick building. The system stiffens exterior walls and ties them to floor structures via heavy gauge metal studs attached to the masonry.

The exterior was largely restored with many original elements still in place. Rectangular windows beneath the original wood framed arch were restored, as was another large rectangular window to the south.

Interior spaces showcase fine artisan elements in bright pastel colors. Other interior spaces feature dark wood paneling and golden-colored ceiling design elements. Decorative sconces were recreated from two original photos on interior columns and decoratively painted to match the extant ceiling.

Owner: Peoples Utah Bancorp
Architect: CRSA
General Contractor: Big-D Construction
Structural Engineer: BHB Structural Engineers
Electrical Engineer: Spectrum Engineers
Mechanical Engineer: Gunther’s
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The University of Utah continues to push the envelope of excellence in its quest to be among the most competitive athletic programs in the Pac-12 Conference. The sparkling new $36 million dollar basketball facility is the latest testament to that commitment.

Utah Athletic Director Dr. Chris Hill praised the collaborative effort between his staff and the contractor, and said the building is exactly what the University was hoping for in both design and functionality.

The 100,000 SF center is located behind the Huntsman Arena and houses two gymnasiums complete with locker rooms, sports medicine facilities, strength and conditioning, conference and office spaces, and an athletes lounge. Training facilities for all University sports programs other than football are located in the center.

Upon entering the facility, the design captures both recruits and athletes attention with a vaulted, three-story entry complete with custom logo treatments, dramatic lighting, and imagery depicting past Ute hardwood legends. Backlit graphics, grey tone wide panel wood floors, and steel details create texture and help define the interior.

Owner: The University of Utah
Architect: Populous Architects
Mechanical Engineer: Colvin Engineering
Civil Engineer: Psomas
Electrical Engineer: BNA Consulting
Structural Engineer: BHB Structural Engineers
Electrical Contractor: Rydalch Electric
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After more than two decades of use, the Utah Olympic Legacy Foundation decided to replace existing warped wooden ski ramps and staircases at Utah Olympic Park. The construction team removed four existing jumps and replaced them with seven steel jumps, something that had never been done before. Crews also replaced existing wooden stairs with a safer concrete staircase, expanded the existing pool, and retreaded the hillside to allow for training in new events.

The new seven jumps include two singles with hydraulic kickers that lower or raise the jumps according to an athlete’s specific level of training. One double and one triple jump are also part of the new facility. The jumps also offer three surfaces, which better mimic an actual snow surface.

Crews had to deal with slopes of more than 40 percent and constructed 215 concrete footings and piers. The structure was built to tolerances of less than five-twenty-thirds of an inch.

Owner: Utah Olympic Park
Architect: Elliott Workgroup Architecture
General Contractor: Jacobsen Construction
Structural Engineer: BHB Structural Engineers
Civil Engineer: Alliance Engineering, Inc.
Electrical Engineer: Van Boerum & Frank Associates
Mechanical Engineer: Van Boerum & Frank Associates
Electrical Contractor: Hunt Electric
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Outstanding Tenant Improvement Project

Traeger Wood Fire Grills

The interior design of this tenant improvement project is equally as hot as the owner’s name suggests. Design elements are bold and distinct, with a multitude of rustic aspects and flavors.

The goal was to create an office environment that embodied the Traeger Brand. The space is a mash up of office, retail, and hospitality functions with an industrial modern feel. Metal elements with expressed fasteners speak to the metal grill itself. Reclaimed barn wood tells the story of the brand’s history, with the firm’s original facility having started in a barn.

The 29,000 SF space and adjoining 3,300 SF patio were designed with a ‘warehouse district’ vibe. A thin brick veneer was used to save floor space and integrity was given to it by wrapping corners for mass and adding a steel lentil to the underside of the brick soffits for authenticity.

Landlord: Woodbury Corporation / Colmena Group
Tenant: Traeger Wood Fire Grills
Architect: Method Studio
General Contractor: Interior Construction Specialists
Structural Engineer: Structural Design Studio
Electrical Engineer: Spectrum Engineers
Mechanical Engineer: Spectrum Engineers
Electrical Sub: Taylor Electric
Mechanical Sub: Mechanical Service & Systems, Inc.
Outstanding Wastewater Project

BDO Outfall Sewer Project

This key $14 million dollar infrastructure project was designed to increase capacity of the existing sewer system and provide a backup pipeline for the sewer outfall line from the City of Ogden to the Center Weber Sewer Plant.

The project consisted of the installation of 12,000 ft. of new 48-inch and 60-inch sewer outfall pipeline, a 72-inch tunneled casing under I-15 and the frontage road, an inverted siphon of the Willard Canal, and new 46 MGD sewer lift station with three 40 horsepower vertical column pumps.

Extensive dewatering was required to ensure no structure settlement. The sewer trunk line required crews to cross two creeks and Willard Canal, new cofferdam construction, and restoration of the existing channels. Numerous sewer bypasses were required to ensure continuous sewer flows during tie-ins to the existing trunk line, including one bypass of more than 32 MGD.

Owner: Central Weber Sewer Improvement District
General Contractor: Whitaker Construction
Project Engineer: Brown And Caldwell
Outstanding Water Project

Ogden City Water Treatment Plant

It’s hard to quantify the true value of this water filter system project that delivers high quality drinking water to people. This $7.4 million dollar project required reconstruction of a 13.5 million gallon plant, which was originally built in 1955.

The project included the installation of substantial dewatering and microfiltration systems, which are the largest in Utah. Crews also relocated a 9,000 gallon liquid propane tank and lines, constructed chemical feed systems, and built electrical, mechanical and other critical systems.

Piping included 42-inch RCP effluent channel, 12-inch ductile iron water lines, 36-inch ductile iron water lines, sewer, chemical lines, backwash piping, sludge piping and return waste water lines.

The structure incorporates a steel roof diaphragm, transferring loads to special reinforced masonry shear walls. Of particular note is a tube steel drag truss that spans the approximate 100-ft. building width, and is 16 ft. tall at its center peak.

Owner: Ogden City
General Contractor: Gerber Construction
Architect: CRSA
Designer: Sunrise Engineering
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