

Colorado

CONSTRUCTION & Design

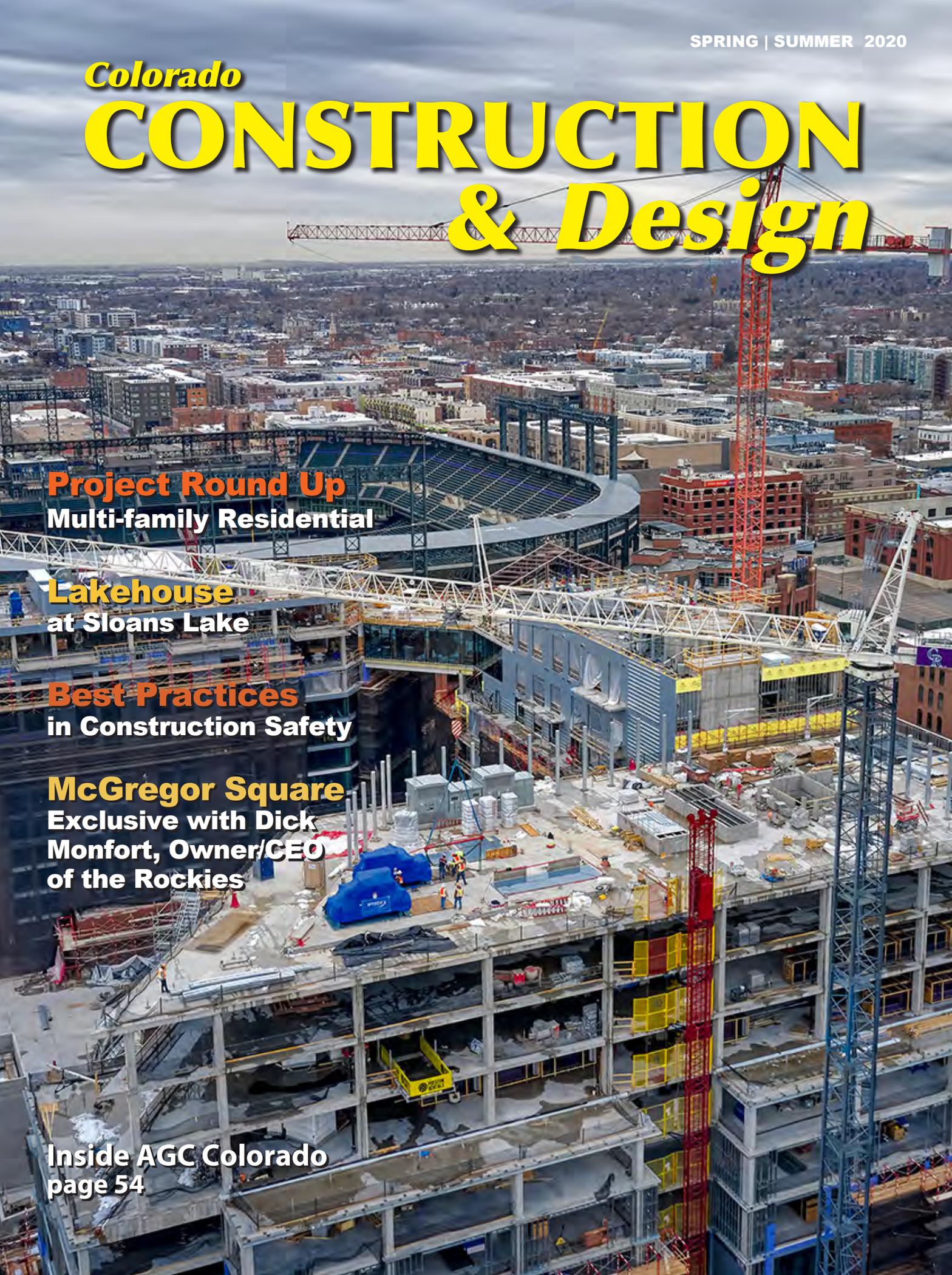
Project Round Up
Multi-family Residential

Lakehouse
at Sloans Lake

Best Practices
in Construction Safety

McGregor Square
Exclusive with Dick
Monfort, Owner/CEO
of the Rockies

Inside AGC Colorado
page 54



SITECH CONSTRUCTION SYSTEMS

Site-Wide Construction Technology Systems



SITECH Rocky Mountain Has you Covered with the Tools and Support to Revolutionize Your Construction Workflow:

- Site Positioning Systems
- Fleet & Asset Management
- Certified Training
- Machine Control Systems
- Complete Repair Facility
- Used Equipment

Call: **866-903-2335**



www.sitechrockymtn.com

SITECH
ROCKY MOUNTAIN

YOUR PEOPLE ARE YOUR MOST IMPORTANT ASSET



SO WHAT HAPPENS WHEN EMPLOYEES ARE INJURED ON THE JOB?

Well, we're talking doctor visits, claims and costly project delays for starters. See how CCIG's risk-management and loss-control programs can help keep your project on schedule, on budget -- and your crew safe.



800-777-5035 | thinkccig.com
155 Inverness Drive West | Englewood, CO 80112



In this Issue

Publisher's Letter

Mike Branigan & Polly Emmons

08 AEC Industry News

14 Project Updates

20 People News

26 Multi-family Residential Project Round Up

32 "WELL Built" | The Lakehouse

by Paul Suter

38 Best Practices in Construction Safety

by Sean O'Keefe

42 Industry Spotlight | Monroe & Newell now IMEG

44 A "Major League" Team Effort with Dick Monfort

by Paul Suter

48 Good Works

49 Columnists

ACEC, CCIG, USGBC, ULI, Expert Insight

54 Inside AGC Colorado

60 Construction Scene

62 Advertiser Index



On the cover:

McGregor Square/Denver
Credit: Vic Moss Photography

10
★
★
★
YEARS
★
★
ANNIVERSARY
2010-2020



TAP THE POTENTIAL OF THE SKY.

**THE SUN PROVIDES AN
ABUNDANT AND CLEAN
SOURCE OF ENERGY, JUST
WAITING TO BE USED.**

At Douglass Colony, we have the experience and expertise to help you get the most out of a commercial solar system. Solar energy is a great way to future-proof: reduce carbon emissions, cut energy costs, and take advantage of energy credits, tax credits, bonus depreciation, and electric cost hikes.

Douglass Colony can take care of the entire process including design and engineering, permitting, installation, warranty, and maintenance. Because we have in-house roofing and metals services, we can ensure a seamless installation. It's a full-service, turnkey solution. Our commitment to quality, safety, and customer service ensures that your project gets done right. We take care of the complexities—you enjoy the benefits.

Call Us Today:

303-288-2635

Commerce City | Greeley | Colorado Springs
douglasscolony.com/solar



Send Us YOUR News.
It's Business as Usual for CCD Magazine.

Greetings Industry Partners!

Thanks for taking a few minutes to read about Colorado Construction & Design. This publication serves the market for commercial construction and development across Colorado.

As an engineer, architect, contractor, developer, service provider or supplier we invite you to take part as we provide valuable news and information about our industry.

We welcome your ideas, comments, suggestions, advertising, news and editorial contributions. We work with our editorial advisory review board to showcase the best our industry has to offer. Whether it is a personnel change, LEED certification, anniversary, groundbreaking, "topping out," or ribbon cutting, we're here to help promote your projects and "who you are" and "what you do."

- It is our pledge to provide accurate, timely information about architecture, infrastructure, construction process, materials and technology.
• It is our mission to share and promote the best practices in the business.
• It is our hope that you'll find this magazine to be a useful tool as you go about promoting your business.

Getting published is easy with Colorado Construction & Design Magazine. Please send your news to us at: news@ccdmag.com

For more information including our ad rates and media kit, please visit: www.ccdmag.com

In print and online, we're here to help you build your business.

Sincerely,

Mike Branigan, Publisher
Tel. 303-914-0574
Email: mike@ccdmag.com

Polly Emmons,
Associate Publisher/Editor
Email: polly@ccdmag.com



Mike Branigan
President and Publisher



Polly Emmons
Associate Publisher/Editor
Layout and Design

Contributing Writers/Reporters:
Sean O'Keefe, and Paul Suter

Photography:
Nancy Bell

Accounting and Administration:
Nancy O. Branigan

Print Production:
Publication Printers

Subscription email: mike@ccdmag.com
Subscription \$40.00 per year in the USA

Postmaster: Send address changes to: Colorado Construction & Design, Inc., 8622 W. Warren Dr., Lakewood, CO 80227-2343

Contents copyright © 2020 by Colorado Construction & Design, Inc. Special permission is required to reprint anything that appears in Colorado Construction & Design. No responsibility is assumed for unsolicited materials.

Colorado Construction & Design obtains its information from sources believed to be reliable. However, Colorado Construction & Design, Inc. does not guarantee the accuracy of any information, and is not responsible for errors or omissions.

We've got a new look!

Come take a peek at our updated website.



www.ColoradoBarricadeSales.com

COLORADO[®] BARRICADE CO.

We provide safe places for people to work, travel and live



Traffic Control



Street/Highway Sign Installation



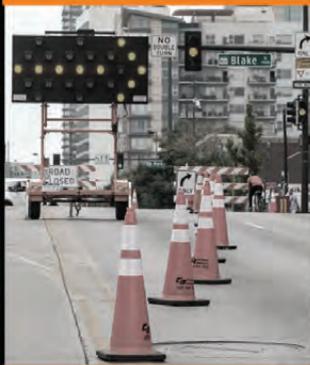
Pavement Marking



Sign Manufacturing and Sales



Special Events



Denver, CO 303.922.7815

MTech Mechanical Receives National Excellence in Construction Award from Associated Builders and Contractors

MTech Mechanical announced outstanding performance on the Children’s Hospital Colorado, Colorado Springs has earned the company a National Excellence in Construction® Eagle Award, which is anticipated to be presented during the ABC Convention 2020 in Nashville, Tennessee, on August 18. The EIC awards program is the industry’s leading competition that honors both general and specialty contractors for innovative and high-quality merit shop construction projects.

“We are very excited for our Colorado Springs team. Their commitment to delivering a quality experience and product is evident on this remarkable facility that provides exceptional pediatric care to the Southern Colorado community.” said President, Marco Capitelli.



Children’s Hospital Colorado, Colorado Springs is a new 294,000-square-foot, pediatric-only hospital now serving Southern Colorado.

BluSky Restoration Contractors, LLC Announces Merger with HARBRO

Based in Denver, Colorado, BluSky Restoration Contractors, LLC (“BluSky”) announced a merger with Signal Hill, California-based HARBRO Emergency and Restoration, Inc. (“HARBRO”).

“HARBRO is extremely strong in California and is well-established and growing its offices in Arizona, Nevada, Oregon, and Washington, and this fuels BluSky’s coast-to-coast expansion.” said Kent Stemper, BluSky CEO.

The two firms bring complementary strengths including HARBRO’s mitigation experience and BluSky’s reputation for reconstruction work.

BluSky has grown from a privately-owned Colorado startup in 2004 to one of the largest national restoration firms in the country.

Manhard Consulting Opens Northern Colorado Office

National civil engineering and surveying firm Manhard Consulting has opened a new office in Loveland, Colorado. The firm’s 11th office nationwide, is managed by Weston Spears, PLS. Spears has 25 years of experience with surveying and engineering projects for residential, oil and gas, energy, retail, and other sectors, including roles in redeveloping Lowry Air Force Base and Stapleton International Airport.

“Given Northern Colorado’s rapid growth and our expanding client base along the Front Range, we’ve been looking for an opportunity to establish a local presence,” said Don Manhard, Jr., President and CEO.

Recent Northern Colorado projects include:

- Mead Place, Mead. Engineering and surveying for approximately 160 acres and 300+ single-family lots,

a 30-acre pad for commercial development, and a 13-acre pad for multi-family development.

- Multi-family development, Greeley. Engineering and surveying to support the design and approval of 17 acres with 12 residential buildings, clubhouse, and amenities.
- Retail facility, Fort Collins. Engineering and surveying for 5,000-square-foot retail space including parking, detention, and underground utilities.

Manhard Consulting’s new office is at 2893 N. Monroe Avenue in Loveland. The firm has had a Colorado presence for 20 years, and the new location will work closely with Manhard’s existing office in Greenwood Village, CO.

Flintco Surpasses Eight Million Man-Hours without a Lost Time Incident

Now more than ever, Flintco's focus on safety is critical to their daily lives, on and off the jobsite. Planning, preparing, and vigilance are critical to their success in responding to the challenges of the COVID-19 pandemic.

Flintco's dedication to being Incident and Injury Free (IIF), is instilled into their culture through a program they call Flintco 4 LIFE (Live Incident Free Everyday).

In 2016, Flintco's EMR was in the top 10th percentile and they had two national safety awards, but asked the question: "Is good, good enough?" Flintco decided it wasn't and chose a different path.

As Flintco is responding to the rapidly changing public health challenges on their construction sites, they continue following federal, state and local guidelines by staying home if sick, frequent hand washing, practicing social distancing, disinfecting high-touch surfaces, and encouraging the use of face masks, face coverings and face shields.

This eight million man-hours milestone is a reminder that through their dedication to safety, they are striving to make a difference in our communities, with their trade partners, and more importantly, to each other.

Pinnacol Advises Employers About New and Existing Workplace Hazards

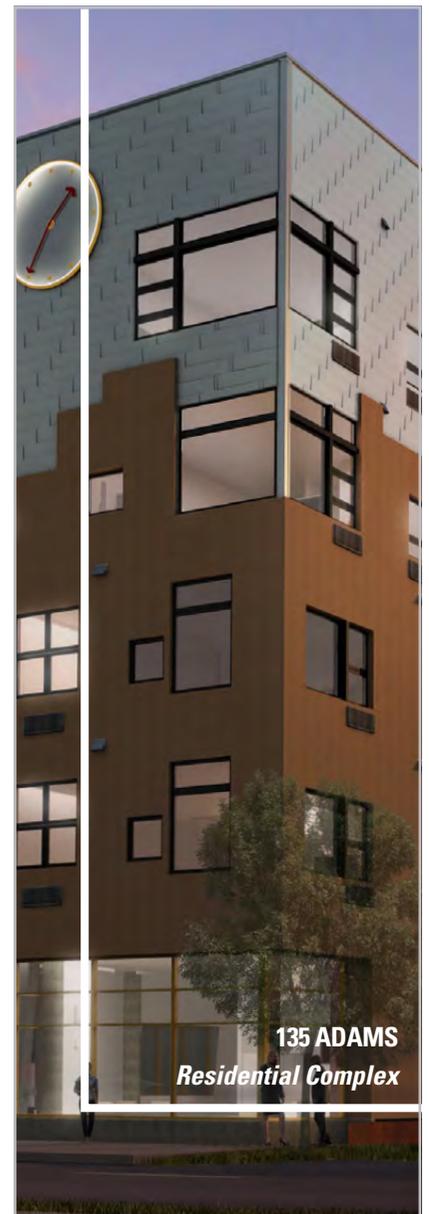
Colorado's largest workers' compensation insurer, Pinnacol Assurance, is advising employers that they should be vigilant about known as well as new safety hazards as operational modifications in response to COVID-19 continue. To help with this, Pinnacol began offering virtual safety visits to its customers and one free virtual safety consultation to any business in Colorado, regardless of insurer.

Examples of operational adjustments that require a workplace safety assessment are:

New delivery drivers. Motor vehicle accidents are a major cause of work-related injuries and fatalities. With many businesses offering delivery, drivers require special training, performance expectations and equipment checks to keep the employee safe on the road and the employer safe from liability.

New ways of working. While face coverings help slow the spread of infection, restaurant workers, for example, may be exposed to a new hazard if they wear the wrong material or wear their mask improperly over an open flame. Parking lots converted to pickup or dining locations could also pose unique risks to workers and customers.

Long-term remote workers. Many businesses are following Governor Polis' guidance to maximize remote work, employees are finding themselves working from home for an extended or indefinite period. Long-term remote work requires appropriate equipment and adjustment to avoid the common musculoskeletal injuries that make up a large proportion of workers' comp injuries for office workers. Kreger warns that businesses that aren't already managing this risk could find out about injuries sustained by employees after the damage has already been done.



135 ADAMS
Residential Complex

INSPIRE • LEAD • DELIVER

GHPhipps
CONSTRUCTION COMPANIES

www.GHPhipps.com
303.571.5377

Colorado
Greenwood Village,
Colorado Springs, Fort Collins

Wyoming
Laramie

AGC of Colorado Aids Colorado Economic Recovery Efforts

The CEO of Associated General Contractors of Colorado (AGC of Colorado), Michael Gifford, was appointed to the economic recovery councils at both the state and local levels in Colorado, to aid COVID-19 relief.

The State of Colorado's Governor, Jared Polis, named Gifford along with AGC of Colorado's Chairman of the Board, Byron Haselden, President and CEO of Haselden Construction, to the Economic Stabilization and Growth Council in April of 2020. Together, both Gifford and Haselden have submitted detailed policy recommendations to Governor Polis and to the State Legislature. The policies focus on supporting laid off and/or furloughed employees with training opportunities, including construction industry training.

City and County of Denver, Mayor Michael Hancock, appointed Gifford to Denver's Economic Relief and Recovery Council in early May of 2020. The proposed initiatives at the local level center around means to expedite the inspection and permitting processes in Denver to accelerate already funded construction projects. Some solutions include ways to increase virtual permit



City and County of Denver Mayor Michael Hancock and Michael Gifford, CEO of AGC of Colorado, are currently working together to find solutions for Denver's economic recovery plan.

services and means to escalate the rate of invoice approvals for contractors on public projects.

"AGC of Colorado is honored to be a part of this proactive approach to the challenges the economy is facing during this pandemic," commented Michael Gifford. "By pooling our resources and seeking input from leaders across several industries, we are all learning how to help and support communities in Colorado."

Burns & McDonnell Recognized as a Best Workplace in Consulting and Professional Services by Great Place to Work

For the third consecutive year, Burns & McDonnell has been named one of the Best Workplaces in Consulting and Professional Services by Great Place to Work. The 100% employee-owned design and construction firm earned the No. 14 spot on the list.

The annual ranking recognizes companies striving to maximize employee growth and organizational development throughout the workplace. To determine this year's list, Great Place to Work analyzed survey feedback from more than 357,000 employees working in the consulting and professional service industries nationwide. Survey respondents were asked to evaluate more than 60 elements of their workplace culture, including daily experiences of innovation, belief in company values and trust in executive leadership.

Burns & McDonnell recently announced its commitment to providing additional resources and services to communities, clients and employee-owners nationwide to help address the significant challenges posed by the coronavirus pandemic. With more than 7,600

professionals around the world, the firm has heightened safety measures, deployed the latest technology and enhanced communication to keep employee-owners safe, connected and supported.

"COVID-19 creates very unpredictable and rapidly changing markets for Consulting & Professional Services companies," said Michael Bush, CEO of Great Place to Work. "Companies on this list stand out for the high level of trust they have built with their entire workforce. High-trust, 'For All' cultures enable these organizations today to quickly adjust to remote work arrangements and to successfully navigate through uncertain times."

Burns & McDonnell was also named one of the 100 Best Companies to Work For by Fortune for the 10th year. The firm consistently earns best place to work accolades from more than 30 local publications and organizations across the country.



MEET OUR GROWING FAMILY OF GROWING FAMILIES.

The story is in the numbers. With a growth in membership of over 93% since 2010, it's no wonder Contractors Health Trust is regarded as Colorado's best health insurance program for contractors both large and small. And with an 8-year average of rate increases of 3.9%, we're just getting started.

Learn more about what CHT can do for your business.

info@yourCHT.org | 303-875-1728 | www.contractorshealthtrust.org

93%
MEMBERSHIP
GROWTH
SINCE 2010



**CONTRACTORS
HEALTH TRUST**

Building Health Since 1968

Pinkard Continues Safe Construction on Green House Homes at Mirasol

Pinkard Construction and Loveland Housing Authority are still on schedule despite the COVID-19 pandemic that arose shortly after the March groundbreaking on the new Green House Homes at Mirasol expansion. The first new residents are still expected to move in by fall 2020, and all three new buildings will be complete by the end of the year.

Pinkard avoided delays through an industry-leading response to the pandemic, including: jobsite entry check-in (with body temperature monitoring); strict jobsite enforcement of wearing masks, distancing, and handwashing; sneeze guards in common areas; special logistics planning; and contract tracing of any employees who test positive.

“Beginning with the formation of Pinkard’s Pandemic Response Team, Pinkard has remained on the cutting edge in the establishment of effective protocols for minimizing COVID-19 exposure during construction and preventing its spread,” said Tony Burke, president of Pinkard Construction.

ULI Offers Online Real Estate Learning Programs through Summer 2020

With Covid-19 hitting real estate hit hard along with other sectors of the economy, professionals in the field are looking to add to their skills and reposition their careers.

The 1,400-member Colorado District Council of the Urban Land Institute (ULI Colorado) offers two programs that can help.

Real Estate Diversity Initiative (REDI): REDI offers women and people of color the chance to learn the real estate development process. Thirty professionals accepted into the program will also prepare a development proposal for a vacant site in Denver’s Westwood neighborhood. Working with senior ULI leaders who have volunteered as mentors, they will create and present their development proposals to a shark tank of ULI members at the end of the program.

This year’s mentors include:

- Mary Anderies, Anderies Consulting
- Dan Cohen, Urban Investment Group
- Kenneth Hoagland, Community Capital Corporation



The expansion will add three new Green House Homes for a total of nine residences that will house up to 90 elders. The architect of record is Lantz-Boggio Architects, who will work with Pinkard to complete construction.

Pinkard was also the CM/GC for the first Green House Homes at Mirasol in Loveland in 2014. Since opening, the Green House Homes at Mirasol earned an Eagle Award from Housing Colorado for program innovation, and a 5-star rating from the Centers for Medicare and Medicaid Services.

- Sarah Laverty, EnviroFinance Group
- Mark Marshall, Urban Land Conservancy
- Rich Wilson, Forum Real Estate
- Jordan Block, HDR, Inc.
- Rick Epstein, re:architecture
- Josh Oqueli, Bonsai Design Build

For ULI members under age 35, Development 360 brings in a leading developer to guide a class of 25 through every aspect of a recent real estate project. This year’s leader is Brian Levitt of Nava Development, explaining the site selection, entitlement, finance, design, construction and marketing of the new Lakehouse condominium tower next to Sloans Lake.

Apply at: <https://colorado.uli.org/development-360/>

For more information contact colorado@uli.org.



RK ENERGY™

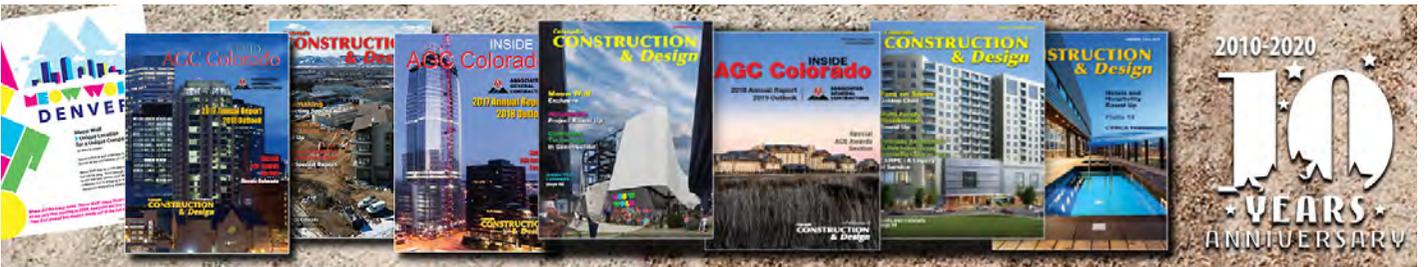
Providing the fabrication and manufacturing solutions you need. Without limitations.

RK Energy designs and fabricates custom solutions for oil & gas, wind, food manufacturing and industrial industries requiring ASME and modular skidded solutions.



**CONSTRUCTION.
MANUFACTURING.
SERVICE.™**

rkmi.com/energy



BREKHUS 
Tile & Stone, Inc.

HOSPITALITY | GOVERNMENT | OFFICE | RETAIL | CUSTOM HOMES | REMODEL | AIRPORT | HISTORIC RENOVATION

TILE AND COUNTERTOP INSTALLATION AT DENVER INTERNATIONAL AIRPORT

BREKHUSTILE.COM 303.494.9255

GTC Starts Two New Tilt-up Projects

Firm continuing office/warehouse and industrial/warehouse projects in Louisville and Loveland

GTC will reach major milestones on two tilt-up projects, the pouring of the slabs. The projects will be the third and fifth buildings, respectively, for two large, corporate campuses in Louisville and Loveland, and will bring the total of GTC's tilt-up projects to over 1.4 million square feet in the past five years.

The firm is currently completing the 113,300 sf 600 Tech Court (Building C) and will pour the slab for 725 Tech Court (Building B), which will be 146,300 sf, in mid-May. The tilt-walls on Building B will start going up in June, with completion anticipated in the first quarter of 2021. The entire campus will be approximately 396,200 square feet, and GTC will have poured 20,000 cubic yards of concrete for the creation of the three buildings. The buildings were designed by Intergroup Architects.

The Loveland project is the fifth building at McWhinney's Centerra Industrial Campus. The firm is currently completing Building 5, a 122,800 sf building, which

is expected to be tenanted by two separate sports companies. Recently, the slab was poured on the 122,800 sf Building 6, with panels tilting up in mid-June. Completion is anticipated in early 2021, by which time GTC will have completed 536,000 sf and used over 28,000 cubic yards of concrete for this campus. The Centerra Industrial Campus is anticipated to hold four more buildings by the time it is fully complete. The buildings were designed by Ware Malcomb.



700 Tech Ct. - September 2018 Ground Exterior

Howell Construction Completes Cochlear Americas | USA Headquarters - Lonetree

This unique DLR Group designed project is a 161,218 square-foot renovation. Themed by unique colors on every floor, levels 5, 4 and 3 are a balance of open office workspace, conference and training rooms, huddle areas and two micro-kitchens per floor. The LVT flooring and Rulon ceilings flow through the corridors and main walkways as linear light fixtures pass through ceiling clouds suspended over the workstations. Nearly all conference and huddle rooms have Allsteel glass fronts that keep the space feeling open and bright, while the custom millwork pieces in the micro-kitchens provide employees an area to gather for coffee and lunch. The core restrooms were renovated on all floors to receive new tile, restroom fixtures and partitions, and back-lit mirrors.

The first floor at Cochlear boasts a high-end board room with switchable glass film, walls covered in floor-to-ceiling millwork and an executive dining area. The brand new servery includes a raised platform with built-in planters and seating as well as a custom coffee bar with a tile face and waterfall edges. The entire space can expand and serve as a gathering area with garage doors opening to the refreshed

outdoor area with a new deck, fire pit and landscaping. The first thing you'll notice when you enter the building is the reception desk with intricate detail and radius edges to match the Cochlear branding. There is also a brand-new fitness area which includes the yoga studio and new locker rooms. Several existing conference rooms on the first floor were refreshed and received operable partitions, window treatments and a new AV package.



Credit: Michelle Meunier Photography

Stone + Masonry + Stucco + Plaster + Concrete + Marble + Granite

Zia Nodo - Denver, CO



gallegosc corp.com

800-GALLEGOS

Vail + Denver + Aspen + Big Sky

Gallegos



HITACHI PERFORMANCE

More efficiency, reliability and durability. That's exactly what you get with the ZX160LC-6. The fuel-efficient EPA Final Tier 4 (FT4)/EU Stage IV Isuzu engine meets rigid emission standards and there's no diesel particulate filter (DPF) needed. The addition of standard upperstructure handrails make the machine safer and more accessible, and the easy-to-operate controls are smooth and responsive - just what you've come to expect from Hitachi. Maintenance has also been simplified with features like a battery disconnect switch.



JOHN DEERE

HE HONNEN
EQUIPMENT

DENVER, CO
303-287-7506

GRAND JUNCTION, CO
970-243-7090

DURANGO, CO
970-247-4460

Honnen.com

1-800-646-6636

The Boundary | 4240 Wins 2020 Shutze Award for Best Commercial, Civic, and Institutional Project

The Boundary, developed by Crescent Communities and operated by Montage Hotels and Resorts, takes advantage of the natural setting and lifestyle with architecture that celebrates materials and craftsmanship. The project was realized through team collaboration with a common goal of creating a venue that builds community and fosters exploration in a relaxed, yet elegant style. The Family Activity Center seamlessly blends indoor and outdoor spaces through the use of breezeways and screen porches, and includes a game room, bowling alley that converts into a dance hall, restaurant, bike barn and smokehouse, as well as swimming facilities. The massing and materials take their clues from the site, climate, and regional Low Country Architecture. "4240 Architecture shares a deep love of the classical design traditions in architecture," says Christian Barlock, Principal at 4240 Architecture.



Family Activity Center combination bowling alley/dance hall, restaurant. Photo credit: Clear Sky Images, shelly@clearskyimages.com

4240 hopes the project continues the legacy of the Institute of Classical Architecture and Art (ICAA) and serves as a place for families to gather for years to come.

Topping Out of Switchbacks FC Stadium

GE Johnson installed the final steel beam on the Switchbacks FC Stadium, located in Downtown Colorado Springs.

The Switchbacks FC Stadium will be a 145,500-square-foot multi-use facility that can accommodate a variety of sporting and entertainment events, serving as the permanent home of the Colorado Springs Switchbacks Football Club (FC) soccer team.

This is GE Johnson's first topping out since the COVID-19 pandemic. The project owner invited the public to participate in this event by parking in front of the structure and remaining in their cars. The guests could listen to the speakers via a local radio station and were able to show excitement by honking their car horns.

"I've been to a lot of ground breakings, ribbon cuttings, and topping out celebrations in my five years as mayor,



but I think I'm going to remember this one the most. Can you imagine 100 years from now, there's a photo of the topping out celebration for the stadium and there's going to be a bunch of guys standing around in masks?" speculated Mayor Suthers.

GE Johnson broke ground on the stadium in December 2019 and the project is currently scheduled to complete in the spring of 2021.

Your Trusted Partner

New Residential Building at 777 Grant Street in Capitol Hill Neighborhood
Scheduled to be complete Quarter 1 of 2021

Geotechnical Engineering

Engineering Geology

K+A KUMAR & ASSOCIATES, INC.®
FOUNDATION OF YOUR SUCCESS

Construction Materials Testing

Third Party Inspections

Environmental Services

Laboratory Testing

Denver | Parker | Colorado Springs | Fort Collins | Glenwood Springs | Summit County
www.kumarusa.com Toll Free (877) 318-5260



ALL OF YOUR TRAINING &
INSPECTION NEEDS IN ONE PLACE



**MSC SAFETY
SOLUTIONS &
COLORADO
CRANE
OPERATOR
SCHOOL**

Bringing you top notch
training for over 30 years.

We've got you covered

From Crane Operator
Workshops to Health & Safety
Site Inspections and Training -
we do it all.

www.msccss.us

www.ccoschool.us

303.477.1044

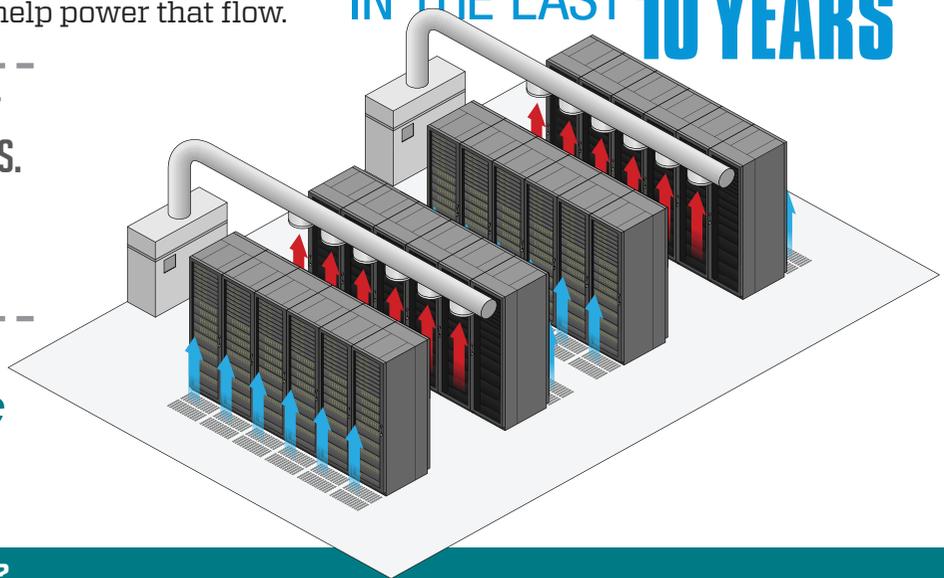
More than ever, data is driving Colorado growth—and Dynalectric Colorado is at the nucleus of that growth with an expanding roster of key data center projects. When data flows through this region, chances are, we help power that flow.

DESIGN BUILD, DESIGN ASSIST
AND **FULLY DESIGNED** PROJECTS.



 **Dynalectric**
Colorado
An EMCOR Company

350
DATA CENTER PROJECTS
IN THE LAST **10 YEARS**



How can we help you?

call 303.233.4488
email dyna-co@emcor.net
visit dyna-co.com

DYNALECTRIC PROVIDES ELECTRICAL SERVICES FOR:

HEALTHCARE | COMMERCIAL | MANUFACTURING | GOVERNMENT
TECHNOLOGY | EDUCATION | TRANSPORTATION | INDUSTRIAL

Nunn Construction Breaks Ground on Colorado College Ed Robson Ice Arena

Nunn Construction has broken ground on a new ground-up, state-of-the-art, multi-purpose sustainable ice arena for Colorado College which will be the new home of Tigers Hockey benefiting Colorado College and the City of Colorado Springs. The opening of the Ed Robson Arena will bring CC Tiger Hockey onto campus for the first time in its history. Over 400 supportive fans and community members attended the recent groundbreaking ceremony to celebrate the accomplishment of bringing this project to fruition and the generosity of donors and former alumni including Ed Robson, Class of 1954, who the arena will be named after.

Nunn Construction, an expert in high-impact community projects, is dedicated to creating a sense of place that allows CC hockey and athletics to compete at the national level, but also serves the needs of the broader Colorado College and Colorado Springs communities. "Growing up in Colorado Springs as a fan of Tiger Hockey, this project has personal significance. I'm thrilled to bring the fan experience onto

campus, as a part of our revitalized downtown. At Nunn, we are proud to bring an agile and responsive team of experts with passion and dedication to a successful Robson Arena project." said Tyson Nunn, president of Nunn Construction.

JLG Architects designed the arena with local planning firm N.E.S., Inc. The arena is expected to open in 2021.



"Nunn Construction's project team in front of the Colorado College Ed Robson Arena's groundbreaking shovels."

Low Income Housing Tax Credits Awarded to Metro West Housing Solutions (MWHS) for Lamar Station Crossing Phase II

Phase II of Lamar Station Crossing will provide an additional 65 units of affordable housing—ranging from 20 – 80% AMI—to the national award-winning LSC campus, which already includes an innovative outdoor classroom, ample outdoor community space, lush community gardens, an Artist in Residence program in partnership with 40West Art District and Rocky Mountain College of Art and Design, and on-site resident services. Phase II will also achieve the prestigious Zero Energy Ready Home Certification.

The Colorado Housing and Finance Authority (CHFA), the allocating agency of federal and state LIHTC in Colorado, approved Lamar Station Crossing Phase II for competitive 9% tax credits, with a reservation of \$1,240,588 in annual credits.

Lamar Station Crossing Phase II is "shovel-ready," with building permits in hand, site plan approval from the City of Lakewood, construction pricing locked in, interior finishes selected, and a majority of infrastructure complete with Phase I.

MWHS is anticipating completion in August 2021.

The LIHTC encourages the development of properties with below-market rents for low-income households by providing tax credits as an incentive to developers. The award program is a highly competitive process that requires applicants to outline the merits of their proposed housing developments. It is estimated that only a quarter of proposals receive tax credits in a given year.

We are so excited to move forward in completing the Lamar Station Crossing campus and look forward to offering additional affordable housing in the Two Creeks Neighborhood." said Tami Fischer, Executive Director and CEO of MWHS

More About Lamar Station Crossing

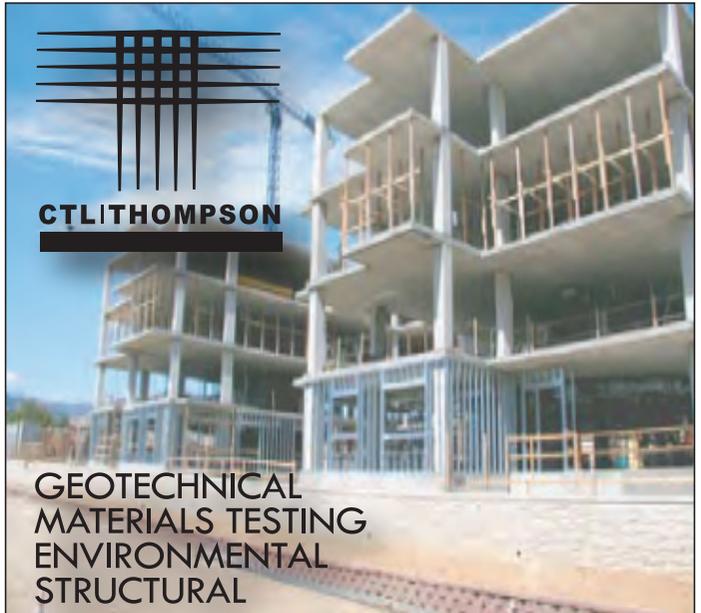
- Estimated completion: August 2021
- 65 Units: 3 Studio; 27 1-Bedroom; 28 2-Bedroom; Seven 3-Bedroom
- 9% Credit Awarded: \$1,240,588



21c Museum Hotel | Oklahoma City OK
 architects: Deborah Berke Partners &
 Hornbeek Blatt Architects
 original architect: Albert Kahn
 photographer: Mike Schwartz

Rooftops redefined.

bisonip.com | 800.333.4234
 denver | colorado



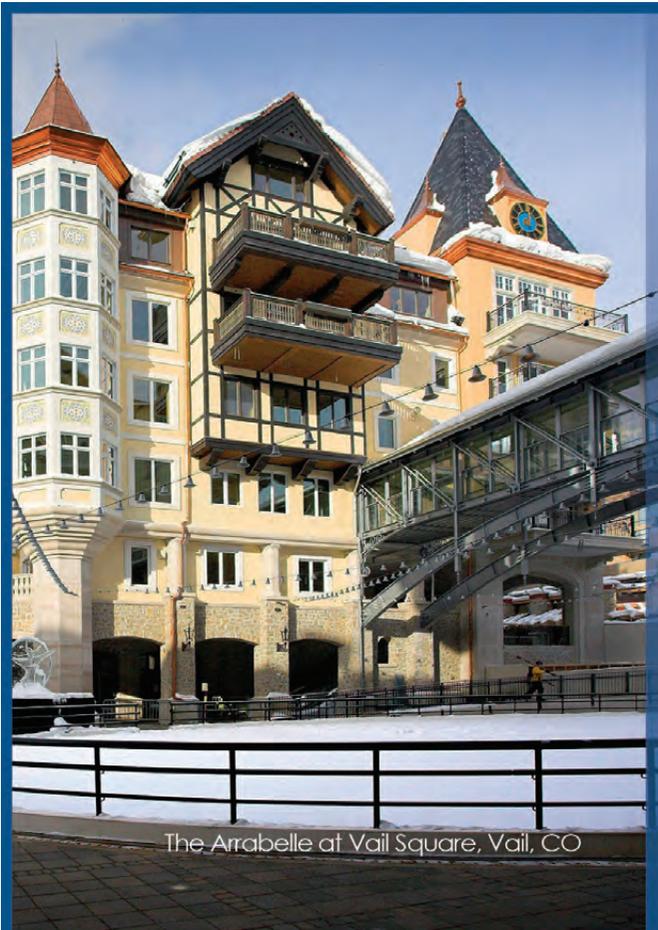
CTL | THOMPSON

**GEOTECHNICAL
 MATERIALS TESTING
 ENVIRONMENTAL
 STRUCTURAL**

Providing trusted engineering consulting services throughout Colorado for over 49 years.

CTL | Thompson offers extensive experience and a broad scope of capabilities to expedite your multi-family project.

Colorado • Wyoming • Montana
www.cctl.com
info@cctlthompson.com



The Arrabelle at Vail Square, Vail, CO

Monroe & Newell now **IMEG**
 Engineers, Inc.

SAME people,
New services.

monroe-newell.com ➤ imegcorp.com

Howell Construction Hires Two New Team Members



Nate Holst



Scott O'Hara

Howell Construction is pleased to announce its recent hire of **Nate Holst** who will join the team as Superintendent. Nate brings 25 years of industry experience working on complex ground-up facilities, civil roadways, and infrastructure upgrades. He is a self-motivated individual whose open communication fosters collaboration throughout the entire team. Nate is a results-oriented decision maker focused on creating a safe environment for project teams to thrive.

He truly loves what he does, which can be seen in the level of care and detail he puts into each project.

Howell Construction also welcomes **Scott O'Hara**, as Senior Preconstruction Manager. Scott will provide conceptual estimating, drawing from a depth of local market knowledge and experience, and will lead Howell's preconstruction efforts on assigned complex projects.

Scott brings more than 28 years of industry experience working on complex ground-up projects for government, residential, and commercial clients. He received his Associates in Architecture & Estimating from North Dakota State College of Science. Scott is extremely personable and works efficiently with all project team members, building strong relationships with owners, designers, and subcontractors.

Flintco Announces Four New Hires



Jonathan Guinn



Doug Hanney

Colorado native and Project Manager **Jonathan Guinn**, joins the Flintco team with 19 years of industry experience both in construction management and design. Jonathan is a fit for Flintco's lean culture in the way he leads with clients and industry partners. Jonathan comes with a robust background in the healthcare, education and mixed-use office markets.

After 23 years in the industry, **Doug Hanney** joins Flintco as another experienced veteran in project planning and construction management. His experience traverses both the owner's representative role as well as the general contracting industry. As preconstruction manager, his expertise includes healthcare facilities, education, office buildings, and site infrastructure projects.



Lauren Martinez

Lauren Martinez, project engineer, joins the Flintco team with a background in Virtual Design and Construction. She has a Master of Engineering from the University of Colorado Denver and a Bachelor of Architecture from Clemson University. Lauren has large project experience in both the healthcare and higher education markets.

Joining Flintco as superintendent, **Kirk Sausman** is a well-known veteran in the industry with more than 36 years of experience specializing in healthcare, office, education, and hospitality projects. Kirk is a perfect fit for Flintco's lean culture, in his experience leading field operations on a large-scale IPD project in the State of Colorado.



Kirk Sausman

LOOK WHO'S READING
Colorado Construction
& Design Magazine!



Michael Gifford, President and CEO AGC Colorado

"CCD is the official publisher for AGC Colorado. This magazine covers the industry like no other."

"I read it, advertise there and look forward to every single issue! It's where our industry gets its news!"

www.ccdmag.com | news@ccdmag.com

THANK YOU!
for helping us create a
40 YEAR LEGACY



CONCEPTSINMILLWORK.COM

1490 TUSKEGEE PLACE COLORADO SPRINGS, CO 80915
 (719) 570-7353 ESTIMATING@CONCEPTSMW.COM



"UNPARALLELED CRAFTSMANSHIP SINCE 1980"

We Make a Difference!
CESARE, INC.
Geotechnical Engineers & Construction Materials Consultants

Integrity, Reliability, Innovation
 Our award winning, highly experienced and dedicated team has been providing Engineering services since 1987.

Headquarters: 303-220-0300 • 7108 S. Alton Way, Bldg B • Centennial, CO 80112



Visit our website:
www.cesareinc.com

Frederick • Silverthorne • Salida/Crested Butte

How Can Cesare Serve YOU?

- Geotechnical Engineering & Design
- Engineering Geology
- Geohazard Assessment
- Construction Materials Consulting, Design, Observation & Testing
- Failure Analysis, Claim Evaluation and Litigation Support
- AASHTO Accredited Laboratory
- Special Inspection
- MIT Pavement Dowel & Tie Bar Scan

SBE RTD Code #'s 925-17, 925-55, 961-48, 961-50 • SBE Code #'s 541380, 541330



COLORADO ASSOCIATION OF
 GEOTECHNICAL ENGINEERS



MBH Architects Appoints New Business Development Manager



MBH Architects, leaders in award-winning architecture for the multi-family, mixed-use, commercial, and retail markets, is excited to announce the addition of Melissa Winburne as Business Development Manager in the firm’s Denver office. Winburne will lead efforts to manage and grow the firm’s impressive client roster throughout Denver and the surrounding areas.

“Melissa Winburne has quickly become an integral member of the Denver office,” says Dimple Manghani, Principal of MBH Architects’ Denver office. “Her networking abilities and management expertise is a great asset for our growing team and we look forward to watching her bring new opportunities to MBH.”

Winburne brings nearly 20 years of industry expertise to the MBH family. With a passion for making connections and being an extrovert by nature, Winburne has created a network that focuses on lead sharing and collaboration. Having started out her career in graphic design, Winburne sought new opportunities to flex her creative muscles and found herself conducting marketing and business development for a landscape architect. Most recently, Winburne has held roles in the AEC industry, working for various architecture and design firms, where she built an in-depth knowledge of the industry and how to effectively start and maintain relationships.

David Sharrock Joins JHL Constructors



JHL Constructors (JHL) is excited to announce that David Sharrock, a leader in Colorado’s construction industry, has joined the JHL team as Director of Preconstruction Services. In his new role, Sharrock will provide leadership in the preconstruction and business development functions of the firm, while ensuring the needs and

expectations of JHL’s clients across all markets are met and exceeded.

Sharrock moved from Oklahoma to Colorado Springs in 1997 upon completion of his BS in Construction Management at Oklahoma State University. His 24+ year career has been primarily in the Denver Metro and Colorado area, with leadership positions in Shanghai, China and European Union markets. Notable projects throughout his career include: University of Colorado Boulder-Jennie Smoly Caruthers Biotechnology Building, Colorado State University Medical Center, and Denver School of Science and Technology Charter School.

He developed an AIA certified course, which has been presented to over 15 Denver-based companies.

Michael Baker International Welcomes New Hire - Keely Matson, P.E., Bridge Manager



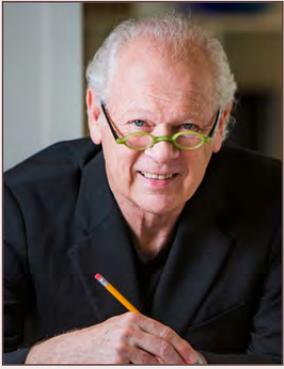
Michael Baker International is pleased to welcome Keel Matson P.E., as the Bridge Manager. We are excited to have her join our office to provide leadership and technical excellence. Keely brings 12 years of experience delivering innovative, sustainable solutions.

Keely has Bachelor’s in Civil Engineering from Montana

State University and a Master of Science in Structures and Solid Mechanics from University of Calgary. Keely has over

12 years of bridge design and project management experience from structural selection to construction engineering and has served as structural lead on projects throughout the western United States. Ranging from Forest Service trail structures to multimillion-dollar interchanges, Keely has amassed a wide range of design and project management experience focused in Colorado, Montana, and Utah. Her design experience includes interchanges, pedestrian bridges, water-crossings, railroad bridges using AREMA, and curved steel bridges as well as other transportation structures including retaining walls and transportation hydraulic structures.

Curtis Fentress Earns Honorary Doctorate from NC State



Recently, Curtis Fentress, Founder and Principal in Charge of Design for Fentress Architects, was conferred with an honorary Doctor of Fine Arts from North Carolina State University.

Fentress was born in North Carolina and raised on a tobacco farm in the small town of Summerfield. He graduated with

honors from NC State's College of Design in 1972 with a Bachelor of Architecture. During his time as a student at NCSU, Curt was awarded an AIA-AIAF Fellowship, a Graham Foundation Fellowship, and the Alpha Rho Chi Medal—the highest honor bestowed on a designer by an architectural school. Other awards and accolades followed: he was recognized with a Distinguished Alumni Award in 2010, became a Fellow in the American Institute of Architects (AIA) in 1996, and in 2010, he was honored with the AIA's highest award for public architecture—the Thomas Jefferson Award for Public Architecture. This accolade recognizes architects who design distinguished public facilities and advocate for design excellence.

After graduation in 1972, Fentress joined the reputable firm of I.M. Pei and Partners in New York City; and in 1977 he joined the newly-formed firm of Kohn Pedersen Fox (KPF), also of New York. While at KPF, he was honored with Building Design and Construction magazine's "Young Professional of the Year" award as project designer for the Amoco Building in Denver, Colorado. Intrigued by opportunities in the west, in 1981 Curt formed C.W. Fentress and Associates in Denver, where he infused modernist design with sensitivity to place.

Today, Curt has built an international, multicultural practice and directed the design of 93.6 million square feet of public space that welcomes, hosts and guides over 650 million people annually. Fentress has also won over 50 national and international design competitions. Over the past 40 years, Fentress has played pivotal roles in nearly all of the firm's projects including Denver International Airport, Incheon International Airport in Seoul, National Museum of Wildlife Art, National Museum of the Marine Corps, Raleigh-Durham Terminal 2, the Tom Bradley International Terminal at LAX, and numerous others.

Throughout his career, Fentress has remained dedicated to the advancement of architecture at NC State by investing time, mentorship, and personal resources to support its mission and its many students. His affinity and passion for teaching students of architecture led to the North Carolina



State University Airport Studio. This advanced graduate studio program gives students an opportunity to imagine new and innovative solutions for airports of today and the future by focusing on how design principles serve the public realm. The Airport Studio has drastically expanded the College's studio offerings in terms of scale, monumentality, symbolism and technical challenge.

Fentress's studio work was presented as part of the Symposium on Airport Design at the 2016 Venice Architectural Biennale, which led the European Cultural Center (ECC) to invite the College of Design to mount a major exhibit of Airport Studio work as part of the 2018 Venice Architecture Biennale. Its exhibit, "Future Airports: Global Design Thinking," received the ECC's Best Architecture University Award 2018 for contributing to the research and highlighting the significance of airport space and the value of the experiential journey.

On December 20, 2019, Fentress delivered the commencement address to the graduates of the College of Design. Not knowing exactly what the students would face in a few short months with the global COVID-19 pandemic, in his commencement address he urged students to, ". . . **keep your youthful optimism for innovation and creativity as you begin your quest to make the world a better place. Unleash your collective and creative talents to find solutions to the world's problems that are facing you.**" This is a task he is convinced they are prepared for.

Mortenson Expands Leadership Team | Promotes Six

Mortenson, a top-20 U.S. builder, developer, and engineering services provider with nearly four decades of experience in Colorado, today announced the company has promoted six team members, including four to its Denver Leadership team.

Joining the Denver Leadership team are Brian Nelson, Kedmia Milam, Jed Sluyter, and Richard Kee.

Brian Nelson joined Mortenson in 2015 and has been promoted to general superintendent, with a focus on supporting civil projects as well as civil self-perform work on vertical projects.

Kedmia Milam has been with the company for almost nine years, and she has been promoted to craft resource manager, with a continued focus on supporting Mortenson's entire craft workforce.

Jed Sluyter has been with Mortenson since 2001, has been promoted to general superintendent and will be focusing on supporting vertical projects.

Richard Kee joined Mortenson in 2016 and has been promoted to operating group quality director.

Additionally, **Tim Clement**, a four-year veteran of the company, has been promoted to director of design phase management.

After six years with Mortenson, **Josh Williams** has been promoted to market director of infrastructure, with a focus on growth and development of the civil infrastructure market.



Brian Nelson



Kedmia Milam



Tim Clement



Josh Williams



Jed Sluyter



Richard Kee

Design Workshop Announces 2020 Principal & Associate Promotions

Design Workshop, an international landscape architecture, planning and urban design firm, is pleased to announce 11 promotions across five offices. Aimee Duffy in Aspen, Chris Geddes in Denver, Manisha Kaul in Chicago and Conners Ladner in Austin were promoted to principals. Jamie Fogle in Denver was promoted to technical principal. Being promoted to associates are Xiaojian Fan in Los Angeles, Alex Hill in Denver, Jessica Garrow, Nicole Rebeck-Stout and Marianne Stuck in Aspen, and Emily McCoy in Raleigh, N.C.

"While COVID-19 has us all working from home, we remain committed to recognizing our employees for their hard work and efforts. We are delighted to announce the promotion of these 11 team members who are being recognized for their leadership, commitment to professional growth, contributions to their communities, and their efforts towards the growth and success of others," said Becky Zimmermann, president of Design Workshop.

Construction Industry Training Council - 2020 Graduates

Carpentry Graduates

Jose Gonzalez	Swinerton Builders
Jeremiah Bailey	Fransen Pittman General Contractors
Jason Baldwin	JHL Constructors
Ryan Beneda	ARS Companies
Diego Borja	PCL Construction Services, Inc.
Gerald Caldwell	Adolfson & Peterson Construction
Christopher Caton	JHL Constructors
Efrain Fierro	GE Johnson Construction
Josue Cornejo	Express Concrete Pumping LLC
Abel Coronel	Swinerton Builders
Aidan Courtney	Haselden Construction LLC
Nichole Fischer	PCL Construction Services, Inc.
Dylan L. Froese	JHL Constructors
Brett Alan Harris	
Austin Howerton	Adolfson & Peterson Construction
William Griego	Hensel Phelps
David Maldonado	Concrete Frame Associates
Carlos Martinez	Haselden Construction LLC
Marco Marquez	Fransen Pittman General Contractors
Juan C. Medina	GE Johnson Construction
Dean T. Morton Jr.	Haselden Construction LLC
Daniel Moyer	Flintco LLC
Marco Ordaz-Medina	Waner Construction Company, Inc.
Erick Palomo	
Alexander Gutierrez	Fransen Pittman General Contractors
Enrique Rodriguez	FCI Constructors
Steven Saldaña	Haselden Construction LLC
Osman Tena-Marquez	M.A. Mortenson Company
Diego Valdivia	PCL Construction Services, Inc.
Armando Vazquez Jr.	M.A. Mortenson Company
Jecori Wellmaker	Hensel Phelps
Scott Weisgerber	JHL Constructors
Dylan Wokowsky	Fransen Pittman General Contractors

Electrical Graduates

Santiago Abeyta	RMK Electric, Inc.
Cade Arndt	Weifield Group Contracting Inc.
Dylan Bellmore	TEAM Electric
Jason Brandebura	
Sean Byrne	Duro Electric Company
Sean Carroll	Greiner Electric LLC
Michael Crawford	
Marty Edwards	Interstate Electrical Contractors, Inc.
Nyles Fenner	
Noah Fesmire	RMK Electric, Inc.
Simeon Freeland Jr.	Duro Electric Company
Matthew Gallagher	Tower Electric
Brett Hopper	Celtic Electric, LLC
Nicholas Jacobson	Hunt Electric
Bobby Kelly	Duro Electric Company
Jeffrey Kelsh	
Richard Lewis-Garrett	RMK Electric, Inc.
Daniel Lewko	CAM Electric
Sarah Montoya	Temperature Control Systems
James Moya	Encore Electric
Christopher Navas	Hunt Electric
Dominic Olson	Tower Electric
Tina Pearson	Greiner Electric LLC
Ryan Permann	Interstate Electrical Contractors, Inc.
David Perrin	
Tyler Polasek	TEAM Electric
Jon Rocha	Integrity Electrical Solutions

Electrical Graduates Continued...

Lorenzo Romero	Greiner Electric LLC
Saul Sandoval	
Brandon Stanton	
Ryley Waifein	

Plumbing Graduates

Nick Allen	MTech Mechanical
Kane W. Bader	Design Mechanical, Inc.
Conan Ball	
Matthew Bapple	MTech Mechanical
Jacob T. Beren	ProCraft Mechanical
Wyatt Carlson	AMI Mechanical, Inc.
Josiah Carson	Mechanical & Piping Inc.
Micah Carson	
Jesse Cordova	MTech Mechanical
Martin Day	Certol International
Matthew Fedder, Jr.	UMC, Inc.
Dezario Garcia	
Evan Hunter	Design Mechanical Inc.
Amanda Lindsey	UMC Inc.
Tim Major	MTech Mechanical
Stefan Martinez	AMI Mechanical, Inc.
Ivan Pacheco	Design Mechanical Inc.
Tony Rach	MTech Mechanical
Ervin Ramone	UMC Inc.
Kristal Rome Buttrum	Bill Smith Plumbing & Heating, Inc.
Mike Santos	MTech Mechanical
Andrew Schiedermayer	
Jace Wicks	Central Mechanical Inc.
Craig Worley	Mechanical & Piping Inc.

Sheet Metal Graduates

Kieran Allen	ProCraft Mechanical
Zacharis Bell	AMI Mechanical, Inc.
Kellen Bond	Design Mechanical, Inc.
Hunter Brennan	A & L's Sheet Metal, Inc.
William Brennan	
Michael Davies	Design Mechanical, Inc.
Miguel Galvan	MTech Mechanical
Antonio Gonzales	Ducts Unlimited Mechanical Systems Inc.
Isaac Gonzales	MTech Mechanical
Julio Gonzalez	
Cole Griffin	Colorado Mechanical Systems, Inc.
Calvin Richard Harlan	Ducts Unlimited Mechanical Systems Inc.
Roger Liljegren	MTech Mechanical
Anthony Paul Lopez	Ducts Unlimited Mechanical Systems Inc.
Mitchell Lee Mailand	Design Mechanical, Inc.
Randy J. Padilla	MTech Mechanical
Sheet Metal Graduates (continued)	
Victor Saucedo	Horizon Mechanical Solutions
Andrew R. Stephens	Design Mechanical, Inc.
Marshall Stinnett	MTech Mechanical
Tyler Willoughby	A & L's Sheet Metal, Inc.
Joseph Witt	Rogers and Sons, Inc.

Masonry Graduates

Patrosinio Castanon	The Gallegos Corporation
Zosimo López	A.P. Eberlein Company, Inc.
Vincel Santoyo Rodriguez	
Salvador Torres	The Gallegos Corporation

Pipefitting Graduates

Malcolm Martin	Design Mechanical Inc.
Bob Nelson	MTech Mechanical

Designing for Positive Social and Environmental Potential

Author: Marc Snyder, 4240 Architecture - LEED AP, Associate Principal, Director of Sustainability



Wellness in Multi-Family Housing | Mountainside Flex Pavilion | 4240 Architecture

Attainable and healthy housing is more than a basic need – it is a key part of a broader wellness strategy tied to a regenerative built environment. Inclusive housing should be built on the fundamentals of healthy, sustainable building materials, the harvesting of energy and water, and community building that promotes social equity. Yet, as we all adapt to this “new normal”, we are faced with the necessity to balance the fundamental wellbeing tenets of community building and social inclusion with the ability to socially distance.

Social isolation has been linked to higher-risk health conditions like heart disease, a weakened immune system, anxiety, and depression. In order to protect ourselves from illness, we need strategies which strengthen our immune responses and release the good hormones, oxytocin and dopamine. Exercise, strategic silence, interaction with nature and socialization have

all been proven to increase endorphins and reduce high blood pressure and mental fatigue.

Multi-family developments are uniquely situated to offer amenities which promote community and wellbeing while maintaining safety. Design techniques include creating smaller spaces at edges of larger spaces allowing individual refuge while supporting the perception of inclusion. Shared community spaces can serve as wide hallways connecting to nature and offering natural ventilation while planned community social events reduce the detriments of isolation.

By understanding how appropriately designed space helps to balance needs, we can begin to create optimal environments that increase safety while enhancing wellbeing.

WE MOVE DIRT

OE Construction Corp.



SITE DEVELOPMENT (Commercial and Residential)

Let Us Value Engineer Your Next Project

(303) 526-0621

www.OEConstruct.com

«PARTNERING»

TO ENHANCE YOUR PROJECTS
FOR 35 YEARS AND COUNTING.

GROUND ENGINEERING

- Geotechnical Engineering
- Construction Materials Testing and Special Inspection
- Construction Management and Civil Inspection
- Certified Building Inspection Services
- Pavement Evaluation / Pavement Management
- Retaining Wall Design
- Specialty Services: CSL, PDA, FWD, GPR, Vibration Monitoring, IFC Firestop Inspection, and more.

**NOW
OPEN**

(303) 289-1989 | www.groundeng.com

ENGLEWOOD | COMMERCE CITY | LOVELAND | GRANBY | GYPSUM | COLORADO SPRINGS

Multi-Family Residential Round Up

Kiewit Nears Completion on Market Station | Denver



Aerial view of Market Station and 16th Street. | Photo and rendering courtesy of Kiewit.

Kiewit is set to finish construction on one of downtown Denver's largest projects with the anticipated completion of Market Station later this year. Construction of the \$115 million mixed-use redevelopment has transformed the entire city block at Market and Blake Streets between 16th and 17th Streets.

In total, Market Station will add 477,000 square feet, including 82,000 square feet of dedicated ground floor retail, 95,000 square feet of Class A office space and 225 residential units to the immediate area. Kiewit is also constructing 320 mechanically stacked parking spaces with valet service.

Kiewit broke ground on the project in October 2017 with the aim of redeveloping the existing RTD Market Street Station bus terminal into a dynamic mixed-use community within the heart of Lower Downtown.

Project Team: Developer: Continuum Partners, Architect of record: BOKA Powell, Design Architect: El Dorado

Find more information on the project at continuumpartners.com/project/market-station/

Legacy at Fitzsimons Village | Aurora

The Legacy at Fitzsimons Village is a 381,503 square foot property to be located at 1363 N. Victor St. in Aurora, Colorado. The property will have 3 separate multi-family apartment buildings consisting of two 5-story buildings and a 3-story building totaling 363-units. This is Colorado's first large-scale multi-family residential development within the newly-created Opportunity Zone program.

Catamount Constructors, Inc. is the General Contractor and **Davis Partnership** designed the project which will offer a mix of one-, two- and three-bedroom units, a 4-story precast parking garage and 497 parking spots. Residential amenities include a clubhouse, fitness center, yoga room, fifth-level observation deck and two courtyards with a pool, outdoor kitchen and fire pits. Equity financing for Legacy at Fitz was provided by **Griffin Capital**.



Legacy at Fitzsimons parking garage

The two-phase project is set to deliver in February and June 2021.



BUILD YOUR FUTURE WITH FIORE!

Trucking
Site Utilities
Overlot Grading
Sitework & Finish Grading
Demolition & Environmental
Civil Construction Management

www.fioreandsons.com
303-429-8893

Corporate Office
80 East 62nd Avenue
Suite 101
Denver, Colorado 80216

Operations, Maintenance
and Transportation
730 West 62nd Avenue
Denver, Colorado 80216



BRYAN
CONSTRUCTION INC.

Railway Flats
Loveland, CO

Owner – McWhinney
Phase 1 – 240 units, 11 buildings
297,331 Total Square Feet

Amenities include Clubhouse, Dog
Wash, Indoor/Outdoor Pool,
Putting Green, Golf Simulator,
2nd Floor Patio, Game Room

Phase 2 Begins Fall 2020



Colorado Springs | Denver | Fort Collins | Istanbul

bryanconstruction.com | 855.391.5355

St Paul Collection



Image Credit: David Lauer Photography, david@davidlauerphotography.com

The St Paul Collection is a rich manifestation of signature Cherry Creek North character, where the vibrant pulse of downtown meets sophistication and convenience. This urban infill project provides top-of-the-market “amenitized” boutique apartments and elite retail in two buildings along St. Paul Street. Transforming a long-neglected edge of the shopping district, St Paul Collection promotes a walkable, pedestrian-focused streetscape, which increases the value of local businesses and activates the street through intriguing and energetic retail. The project strives to give back to the community by creating a handsome architectural edge, and offering mixed-use programming balanced by elements like the Oasis - a public courtyard that feels luxuriously private.

The project vision was brought to life when developer, **BMC Investments**, engaged **4240 Architecture** and **Saunders Construction** to leverage the budget and design with prefabricated solutions, compositions, and balanced forms. Thoughtful attention to design standards for the quality of space, retail, and materials proved to be challenging within a fixed budget and desire for elevated architectural character, but innovative design approaches such as Infinity prefabricated load-bearing stud walls and shotcrete walls in the garage were critical to ensure

expedient construction. The Infinity structure eliminated columns in the residential units offering column-free floor plans. St Paul Collection supplies below-grade public parking to accommodate the limited neighborhood parking supply. Extending the parking below grade into the right-of-way created the opportunity to provide ample parking without dipping into the water table.

St Paul Collection is part of the Xcel Energy ED program which promotes energy efficiency in electricity usage through weather tightness, thermal insulation, and lighting and mechanical system efficiency. Programmable digital thermostats provide maximum control for occupant comfort and increase energy efficiency. Use of durable exterior materials, such as brick, cast stone, concrete block, and FSC Certified Wood Cladding increase the longevity of the building. St Paul Collection not only brings life back to the street, but it delivers a product that improves the community and defines a new era of living for the Cherry Creek North neighborhood.

Project team: Martin/Martin, Artifex10, CKC Structural Engineers, Galloway & Company, MV Consulting, Styleworks



SPECIAL PROJECTS | SERVICE | CONSTRUCTION
 PRECONSTRUCTION SERVICES | DESIGN ASSIST / DESIGN BUILD
 SOLAR UTILITY AND COMMERCIAL | BIM
 PREFABRICATION SHOP | BAT CERTIFIED APPRENTICE PROGRAM

**7,342,648 MAN HOURS WITHOUT A LOSS TIME INCIDENT
 .73 EMR**



**Multi-Family Unit
 1709 Chestnut
 Denver, CO**

www.elightelectric.com

**303.754.0001 - Denver
 719.314.0670 - Colorado Springs**

Coming Soon
Sage Corner Apartments
 Lakewood, CO



We Build: **MULTIFAMILY**



Englewood | Steamboat Springs
calconci.com |



“WELL” Built

The Lakehouse at Sloans Lake

by Paul Suter

Photo courtesy of Douglass
Colony - Lakehouse aerial view



Douglass Colony, a commercial construction company headquartered in Denver, worked hand-in-hand with the Lakehouse developers to provide high-end custom finishes, innovative craftsmanship, and successful project execution for this 12-story project in Sloan's Lake.



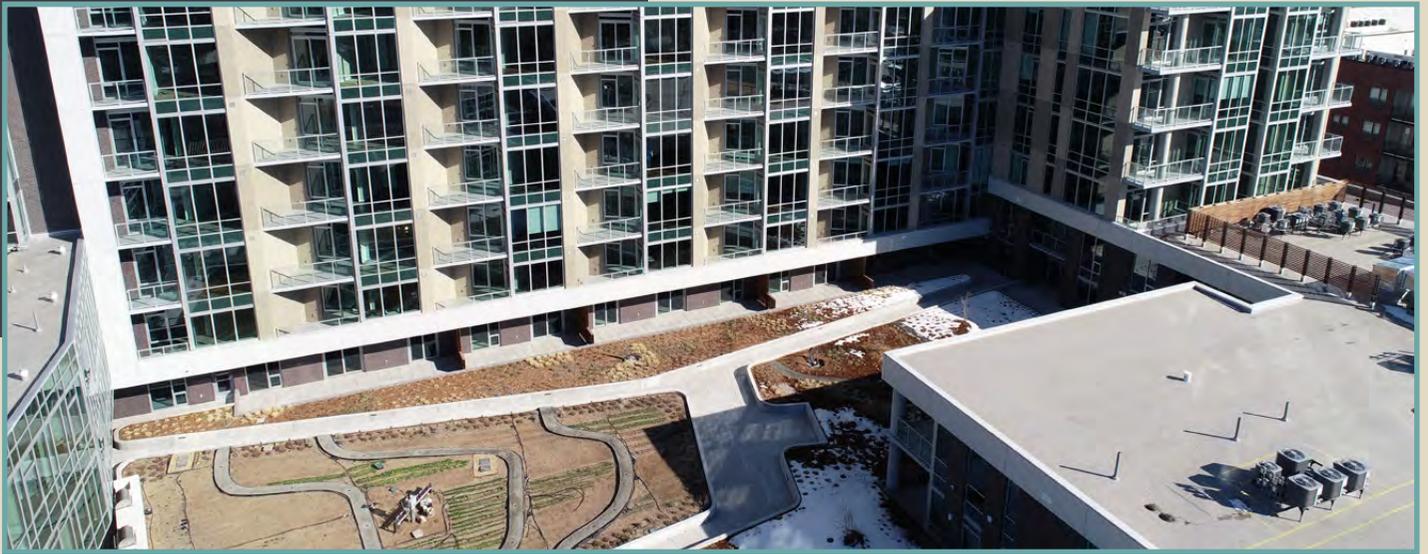
Lakehouse Interior views - Images courtesy of GH Phipps and Stantec.



Health and wellness is at the forefront of most everyone's minds in these current times, and the built environment will have to address the heightened demand for healthy spaces like never before. Owners and developers of office buildings, retail centers and residential buildings will now face important and legitimate questions about their buildings' ability to provide a safe and healthy environment to the people who live and work in these spaces, and their design and construction teams must be able to answer for them.

The shiny new Lakehouse condos and townhomes at Sloan's Lake were originally designed and built with wellness in mind. Not because of any knowledge of a looming pandemic, obviously. Rather, the 540,000 square foot building, with 196 residences and ground floor retail space was originally envisioned six-years ago to become the first residential building in Colorado to achieve the newly established WELL Building Standard™.

This standard, which was introduced in 2014 by the International WELL Building Institute (IWBI), moved the dial beyond the long-established LEED building standard in the direction of the building occupant's health and wellness.



Lakehouse aerial view of courtyard - Image courtesy of Douglass Colony

The founders of the standard Delos believed that buildings should be developed with a person's well-being at the center of design and construction. NAVA Real Estate Development, the visionary force behind Lakehouse with prior LEED experience, immediately felt an alignment with the WELL Building Standard upon its release and vision for creating healthier communities and brought-on Stantec and GH Phipps Construction Companies to begin turning the concept into a reality.

"The team was very involved a year ahead of our groundbreaking, making sure that the elements of the WELL Building Standard™ were 'constructable'," said Brian Levitt of NAVA Real Estate Development.

"There are seven distinct measures of the standard, and we all had to be highly aware of how we would be able to meet these requirements early in the process. This meant thinking years ahead and reaching out to suppliers and subs to make sure they had the capacity and willingness to help us to reach our goals. That was a critical component of the design process and gave us a path for the project to become a success."

The Seven concepts of the WELL Building Standard™ are:

Air: Optimize and achieve indoor air quality. Strategies include removal of airborne contaminants, prevention and purification.

Water: Optimize water quality while promoting accessibility. Strategies include removal of contaminants through filtration, and strategic placement to promote hydration.

Nourishment: Encourage healthy eating habits by providing occupants with healthier food choices,

immersing them into an urban farm, and installing infrastructure to support food growth, harvesting, delivery, storage, cooking and composting.

Light: Minimize disruption to the body's circadian rhythm. Requirements for window performance and design, light output and lighting controls, and task-appropriate illumination to improve comfort, mood and productivity.

Fitness: Utilize building design technologies and knowledge-based strategies to encourage physical activity. Requirements are designed to provide numerous opportunities for activity and exertion, enabling occupants to accommodate fitness regimens within their daily schedule.

Comfort: Create an indoor environment that is distraction-free, productive, soothing, and most important, comfortable. Solutions include strategic design styles, standards and considerations that were incorporated to improve thermal, visual and acoustic performance.

Mind: Support mental and emotional health, providing the occupant with some connection to their natural environment through biophilic design elements, relaxation spaces, blackout and solar shades, yoga/meditation studio, and state-of-the-art technology.

"The suppliers and subcontractors all stepped-up and made sure that they were meeting and often times surpassing the thresholds of the WELL Building Standard™," said Mark Borik, project director for GH Phipps Construction Companies, which performed project structural concrete scope of work.



Lakehouse Interior views - Images courtesy of GH Phipps and Stantec.

PROUD TO PARTNER WITH GH PHIPPS CONSTRUCTION FOR THE SUCCESSFUL COMPLETION OF LAKEHOUSE



Midwest Drywall Co., Inc.

START **Strong.** FINISH **Strong.**

CALL US FOR YOUR DRYWALL, INTERIOR AND EXTERIOR FRAMING, AND LOAD-BEARING NEEDS!

MIDWEST FACTS:

Building Load Bearing Light Gauge Prefab Walls since Mid-80s
Completed over 100 Hospitality Projects
Completed over \$350M in Education Projects
Employ Average 500 - 750 Carpenters A Year
Approx. 75% of our Clients are Repeat Customers

(303) 288-9757 | contact@mwdw.com

Arkansas | Colorado | Kansas | Oklahoma | Texas

“All of the materials went through review and testing and the building has passed all of the inspections to date, putting it in a good position to receive Gold WELL Certification. This was the first project of its kind for GH Phipps, and we know that we’ve learned a lot and have gained a great deal of knowledge that we can apply to similar projects in the future.”

Lakehouse began welcoming its first residents earlier this year, and the building was awarded WELL Precertification at the Gold level in April - providing a gold standard in healthy living:

Air

- Healthy entrance
- MERV-13 building air filtration
- Moisture and mold mitigation
- Operable windows in bedrooms
- Enhanced indoor air quality
- Balconies or patios for every home
- Non-smoking environment

Water

- WELL Building Standard water quality through the City of Denver
- Filtered water appliances (penthouses)
- Hydration and beverage stations located throughout the building
- Lap pool and hot tub with outdoor shower
- Waterfront location and views of Sloan’s Lake

Nourishment

- Urban farm with fresh organic vegetables and herbs
- Harvest Room to wash and store farm produce and local foods
- Parcel Pending automated package delivery system with cold storage
- Professional farming management by Agriburbia
- Indoor and outdoor kitchens with community tables
- Pro-style grills overlooking the urban farm
- Fresh juicing station

Light

- Floor-to-ceiling windows to maximize natural daylight
- Lamp and solar glare control
- Open designs throughout
- Low-e glass exterior for comfort
- LED lighting
- Solar and blackout shades

Fitness

- Active staircase in lobby
- Wellness center with fitness lab, dry sauna and yoga & meditation studio



*Lakehouse aerial view of landscape/pool
- Images courtesy of Douglass Colony*

- Aquatics room with kayaks and paddleboards for residents’ use
- Beach cruisers and tennis equipment for resident’s use
- 70-foot lap pool with year-round hot tub
- Water sports, outdoor activities and easy access to 2.6 mile trail at Sloan’s Lake Park
- Sports workshop with tools for basic repairs and seasons bike/ski/board tuning
- Secure bike storage

Comfort

- Outdoor fire pit and indoor/outdoor fireplace
- Enhanced thermal, visual and acoustical performance
- Window soffit ventilation
- Natural and durable materials
- High-performance glazing

Mind

- Meditation gardens
- Private event space
- Extensive landscaping to support the human connection to nature
- Access to wellness experts and education through ongoing programming and events
- Resident lounge with collaborative kitchen, fireplace and media den
- Creative workshop with tools for multimedia arts
- Musical instruments for residents’ enjoyment
- Pet-friendly environment



Lakehouse exterior rendering -
Image courtesy of GH Phipps and Stantec.

For the owners, architects, contractors and subcontractors who worked on making the vision for Lakehouse a reality, a new and healthier approach to design and construction has taken form. And it is setting a standard that can be applied to many other types of real estate to help achieve healthier and safer living and working environments.

In addition to **NAVA Real Estate Development**, **Stantec** and **GH Phipps**, the major subcontractors included:

Colorado Cleanup

Alliance Glazing Technologies

Douglas Colony Group (metal panels and bituminous roofing)

Midwest Drywall Company (framing and drywall)

Colorado Floorwork (flooring and countertops)

Otis Elevators

Ludvik Electric

Schultz Industries (landscaping and irrigation)

Superior Roofing

Vivax Pros (painting and coatings)

Restoration Specialists (traffic coatings and sealants)

Kane Innovation (glass railings)

Edge Construction (wood Trim / IPE screens)

Italkraft Cabinetry (residential cabinetry)

RK Steel (structural and miscellaneous steel)

WELL Building Standard™

According to the International WELL Building Institute web page, the ability to learn more and establish WELL pilot programs for different types of built environments are readily accessible by contacting pilots@wellcertified.com:

RETAIL

Retail applies to locations where consumers can view and purchase merchandise onsite, and staff are employed to assist in the sale of products. The Retail pilot standard is applicable to both owner- and tenant-occupied projects, and to both those in stand-alone buildings and those integrated into larger structures.

MULTIFAMILY RESIDENTIAL

Multifamily Residential applies specifically to projects with at least five dwelling units in a single building with common structural elements. Projects that qualify include apartments, condominiums, townhouses, and other residential complexes within all market thresholds – affordable housing, market-rate, and luxury.

EDUCATION

Educational Facilities applies to projects where dedicated staff are employed for instructional purposes, and students may be of any age. Courses may cover any range of topics, and facilities may be typified by fully scheduled days, or distinct classes that students enroll in at will.

RESTAURANT

Restaurants applies to locations where a consumer purchases food and dines onsite, and includes indoor or outdoor seating. The establishment may include wait staff that tend to consumers, or be self-serve. The Restaurant pilot standard does not include take-out only establishments, nor establishments whose primary source of revenue derives from the sale of alcoholic beverages. Further, the Restaurant pilot standard only applies to dining spaces—it does not cover kitchens in which food is prepared (see Commercial Kitchen).

COMMERCIAL KITCHEN

Commercial Kitchens applies to locations where cooks prepare food for other building users. It is not applicable to office kitchenettes or home kitchens. In general, spaces subject to local health inspection are likely to use this Pilot Addendum. Commercial Kitchen is always paired with another standard, such as Restaurant or Education.



BEST PRACTICES IN CONSTRUCTION SAFETY

**More than simply a task, safety is an attitude,
an ethos, and an opportunity for all of us.**

By Sean O'Keefe



Colorado's commercial construction industry is a community of partners; an ecosystem of organizations and people who must routinely rely on one another for not only their livelihoods but indeed for their lives much of the time they work. Safety is essential and second-to-none on the totem pole of importance at any firm worth its salt. Amid the COVID-19 outbreak, Colorado's construction industry was deemed an essential service, a privilege, and responsibility that is reflective of the local industry's already outstanding commitment to safety. Colorado Construction & Design was honored to get a few thoughts from several area safety experts on where we are and where we are going in construction safety.



Honored as the 2019 AGC Construction Safety Excellence Grand Award Winner and as the AGC Construction Safety Excellence Award winner for specialty contractors with 1.2-2 million manhours in 2020, Encore Electric serves clients across the Rocky Mountain West in the highly technical commercial construction market. Employing some 850 professionals, Encore is committed to excellence in electrical and technology solutions. Safety Director, Jack Cain, has been with Encore since 2007 and brings a wealth of experience in safety. He spent 11 years as a Federal Compliance Officer with Occupational Health and Safety Administration (OSHA) where he had first-hand exposure to the full gamut of construction safety programs and practices from the best to the worst and everything in between.

"Safety used to be something people did, today it's a part of every discussion and every aspect of how a project is analyzed," says Cain. **"30 years-ago people wore hard hats and occasionally boots. Now full-body PPE is required on most sites and safety includes job hazard analysis, site-specific safety programs, and insurance companies taking a vested interest in loss prevention."**

Encore Electric points to the national recognition by the Associated General Contractors of America as a reflection

of the deep, concentrated value they place on safety not just for themselves but for the many others whose safety risks are significantly heightened as soon as a working construction site is electrified. A key component of Encore's nationally recognized safety success connects to increasing industry awareness of arc flash calculation and the personal protective equipment workers should be wearing when working on energized equipment. Cain shares that changing industry dynamics are also shaping positively construction safety.

"During the recession, construction lost a lot of experienced electricians, which left an opening and a new generation of construction leaders has arrived," he says. **"Construction is moving away from the old school superintendent leadership to tech-savvy, creative-thinkers, who want to find new ways of doing things that make job sites safer and more productive."**

Asked about the intense-focus on safety unlike ever before caused by the COVID-19 pandemic, Cain is both pragmatic and optimistic.

"At Encore we put safety first, so the reaction was swift and deliberate when the outbreak began. Construction was blessed to be an essential service in Colorado and that was something we had to take very seriously," he shares. **"Construction is about ingenuity and anyone who has visited a job site recently has seen the thought, care, and initiative people from every level of our industry have put into making job sites safer for everyone during this situation."**



Colorado Safety Association

Be smart. Get safe.

The Colorado Safety Association (CSA) has been helping Colorado build a proactive safety culture since 1968

as a trusted resource in safety training, strategic planning, staffing, resources, and member networking. CSA focuses on improving safety in workplaces and communities by providing statewide leadership as a training agency for the National Safety Council and through membership in the American Association of Safety Councils. CSA joined forces with Pinnacle Assurance to offer a safety group program designed to reduce worker's compensation costs by promoting safety and claims management practices in the workplace.

Trish Ennis is at the helm as Executive Director, the culmination of more than 30 years of experience as a Health and Safety professional. Her depth of experience stretches from calculating risk exposure in the insurance industry to overseeing Environmental Health and Safety programs at the Denver Zoo and non-profit association leadership as past-President of the American Society of Safety Engineers.

"Safety is a multi-faceted conversation," begins Ennis. **"Of course, we want to send people home as healthy as they came to work. That is the human side of things, but safety is also about risk management, building a good business reputation, cost management, and even winning new work."**

Ennis shares that a strong safety culture is essential in construction workforce attraction and retention, where lives are on the line. The workforce shortage in Colorado's subcontractor community has become almost legendary after more than a decade of upward pressure and even the smallest subcontractor needs to be focused on safety to compete for legitimate employees.

"Increasingly, technology continues to change the way we work," says Ennis. **"We're seeing it in wearable technology in PPE, better fall protection, and better work protection. Next, we can expect more robotics and exoskeletons that facilitate heavy-lifts and awkward access."**

Less-than high-tech changes are happening as well, especially around human manipulation of heavy equipment. Concrete mixers, for example, are now routinely fitted with aluminum dumping chutes rather than steel; lighter work being less fatiguing. Though the chute is expected to wear out faster than its steel counterpart,



Concrete mixer fitted with an aluminum dumping chute.

the industry understands that wear is better placed on the equipment rather than the people.

Ennis shines a light on the construction industry's general commitment to continually improving job site and workplace safety over the last 30 years, a focus that facilitated a rapid reaction to the COVID-19 outbreak and one that will continue to shape change going forward.

"There are lessons to be learned, job site communication strategies, increasing PPE, when and how masks and air purifiers are needed," finishes Ennis. **"We also see the need for more than one supply chain, vital resource stockpiles, and predictive analytics around leading indicators to identify trends. Information is the future of safety."**



Saunders Construction is a Colorado-based general contractor founded in 1972 and has steadily grown to become one of the top commercial contractors in the state. Ranked number one on reported revenue by Engineering News and Record for Colorado General Contractors, Saunders is recognized as a leader in Construction Management and other negotiated deliveries. The firm performs across 18 markets ranging from educational environments of all sorts to healthcare, mixed-use and commercial development, and special tenant-driven projects. Justin Tourdot, Safety Director, has been with the firm since 2007 and strives to integrate safety into every role and every responsibility on every project they touch.

"Safety saves lives, plain and simple," says Tourdot of the motivation behind his work. **"People have to trust you, so for me safety is about connecting with crews and getting their feedback integrated into our safety practices."**

At Saunders the slogan is Safety is On Me, an attitude of accountability that permeates every activity as a well-reasoned responsibility rather than a task-oriented obligation. Tourdot points out that good decision making is the basis of success for every role on a construction project from the executives to the craft labor. Safety, therefore, is inherently about individual engagement within a broader culture of excellence.

“Our crews are out there working in very demanding and dangerous situations every day,” continues Tourdot. **“We have to give them the right tools to do that work and we have to empower them to make the right choice, the safe choice without hesitation every time.”**



Saunders' focus on safety group meetings.

An advocate of self-performance, Saunders currently employs about 500 professionals and engages a further 270 craft laborers in key divisions of work including concrete, carpentry, and healthcare. Focus groups and culture surveys are an important part of the strategy Saunders uses to assess safe practices and communicate with the field, a tactic that Tourdot finds particularly beneficial with native-Spanish speakers.

“We are exploring Operational Learning Teams as part of the Human Organizational Performance approach to safety management,” says Tourdot of the next steps in finding meaningful ways to connect with employees. **“We are also part of a nationwide group of top contractors who share best practices, technologies, and lessons learned.”**

In reaction to COVID-19, Saunders established a COVID Task Force that began meeting daily once Colorado began confirming cases. Implementing routine workforce screenings, hygiene protocols, and constant communication was the primary goal to manage COVID-19 risk.

“Construction as an industry is used to following protocols and adapting to change,” says Tourdot.

“Safety is a relentless effort, behind the scenes and on the site, it takes a lot of commitment to make sure everything is done safely.”



Founded in 1990, in 2020 MSC Safety Solutions celebrates three decades of safety services to a wide range of companies in occupationally dangerous markets. From site inspections to the full

gamut of safety training, planning, and site inspections, MSC Safety Solutions is a nationally recognized leader in safety program development and management for the construction, oil and gas, wind energy, and crane industries. Founder and President, Troy Clark takes pride in a job well done and has built his company's reputation for top-flight safety consulting by providing a reliable, knowledgeable, and affordable safety services that improve his client's bottom line.

“Our goal isn't just to improve safety for the employee but to help clients manage risk to grow their company and profits,” says Clark of MSC's primary purpose. **“We find that owners who invest in safety do quality work faster and more efficiently, which ultimately translates to company growth.”**

Offering a wide range of construction safety training classes, MSC helps firms tailor their training program around the specifics of their work product to ensure an injury-free workplace and complete compliance with OSHA and other requirements. As a specialist in crane and rigging training and safety, MSC leads participants through crane operations safety for six different NCCCO certifications in classes designed to mimic real-world worksite conditions.



Pre COVID Photo- MSC construction safety training class.

“Everyday technology is changing, from the products that are coming out to the way we do business with safety equipment,” says Clark. **“This is why face-to-face, hands-on training is always going to be critical.”**

Safety shouldn't be thought of as something extra, safety should be integrated step-by-step into how everything is done."

Clark points out there will always be new conveniences such as online learning on the market, but safety is no place to cut corners. Online classes are often standardized, generalized, and obviously less than experiential in application. Clark stresses the importance of human interaction and hands-on learning and developing a program around specifics not just what is typical.

Asked how the recent COVID-19 virus would likely impact the industry going forward and Clark is sure of safety's staying power. **"The measures we put in place to deal with the COVID virus and its aftermath will become lasting facets of the way safe companies build work from now on,"** says Clark with confidence. **"Hand sanitizers and handwashing stations will be the norm on every safe job site. Our industry will learn from this and apply it moving forward."**

GEJOHNSON

Founded in 1967, GE Johnson Construction Company puts safety first in everything they do. Over more than 50 years of service to public- and private- sector clients, GE Johnson has built a strong portfolio of health care, high-tech offices, hospitality, and educational facilities across Colorado and beyond. Safety Director, Joe Weimerskirch joined the firm in 2017 as the capstone on a 35-year career in commercial construction.



GE JOHNSON, Zero Injuries - "It's About Me & My Family"

"GE Johnson's goal and expectations are built around nobody getting hurt," says Weimerskirch. **"That used to mean job-oriented safety, how to protect yourself, avoid injury, or recognize hazards. Today it's a companywide culture rooted in taking care of employees. Safety is a fundamental value that extends beyond the job site into our homes, our families, and our lives."**

Weimerskirch has been on the frontlines of construction safety since the 1980s, graduating from college with a degree in safety at a time when few could foresee what his career choices would be. Currently, colleges across the country have specialized safety degrees at every level of achievement. Likewise, the seed change is evident in the way the industry's best firms understand safety today.

"Safety measurement used to be about tracking the past, low recordable incidents," he says. **"Now, we're looking at leading indicators. What told us this could happen before it did and how can we prevent it? We're not looking at injuries but things that cause injuries - attitudes and behavior."**

Sowing the seeds of change requires cultivating deep roots. Weimerskirch approaches safety as a partnership rather than a problem to be policed. Having started his career with the title Safety Officer, he sees the need to calibrate communications around safety as an investment between the company and the individual rather than a punitive process.

"One pillar of running any business is to identify your most valuable asset and protect it. Not the maximization of profits but the avoidance of loss" continues Weimerskirch. **"Our most valuable asset is our people, and we're protecting them for themselves and their families through partnership."**

Weimerskirch sees the future of construction safety as a whole health and wellness lifestyle rather than something done to make a specific task or process safer. Eliminating the light switch effect of turning safety on and off, means encouraging employees to adopt safe behavior changes as part of their lives.

"If you wear PPE at work, but smoke and drive aggressively on the way home, you might be working safely, but you're not living safely," he finishes. **"I am focused on positively impacting attitudes. The greatest safety cultures are built on a foundation of compassion and care for one another. This is what GE Johnson is working on every day."**





Monroe & Newell now IMEG Same People, New Services

Since 1991 Monroe & Newell, Inc. has operated with one purpose – to provide unprecedented structural engineering services delivered with the personal touch. That quality, client-centric mission continues unchanged following our recent expansion into providing full-service engineering design alongside our structural expertise.

This expansion of services was made possible at the end of 2019 when our firm joined IMEG Corp., one of the largest engineering and design consulting firms in the U.S. specializing in high-performing building systems, infrastructure, program management, and construction-related services. We now do business as Monroe & Newell, now IMEG. All principals remain with the firm, every project continues to be supported by an expert team of professionals, and clients continue to benefit from a collective wealth of experience and that personal touch that has built Monroe & Newell's reputation. "Same people, new services" accurately describes our business dynamic in this new era.

IMEG's full-service engineering portfolio creates a strong synergy for our future growth throughout the region by leveraging a broader base of market and technical expertise. Our structural design capabilities round out IMEG's full-service offerings for the Colorado market, joining the firm's existing Greenwood Village and Lone Tree offices to provide civil, structural, MEP/FP, and technology design along with architectural lighting, commissioning, energy modeling, security, and sustainable design services to local clients. The team provides services for a variety of market sectors, including healthcare, hospitality, municipal, higher education, commercial and retail, housing, and transportation.

The staff at our Denver and Vail offices also have access to the collective knowledge and abilities of IMEG's 1,500 team members at more than 50 locations across the U.S. At the same time, we bolster IMEG's existing structural capabilities with our own expertise and experience in post-tensioned concrete, precast concrete, structural steel, and wood.

"We are excited to move into this next chapter of our firm's growth and to expand our breadth of services," said Monroe & Newell now IMEG Principal Peter Monroe.

"This merger brings together decades of experience and passion for delivering quality work with a personal touch – and developing strong regional relationships."

For more information, visit: imegcorp.com or Monroe-Newell.com.

ENGINEERING THE VISION

Having completed thousands of projects, clients have come to rely on Monroe & Newell now IMEG to deliver consistent quality services that are accurate, delivered on time, and efficiently meet their goals.

We have earned the reputation as a trusted consultant because we respect the client's vision and are able to execute that vision with precise solutions. It is the science of solving problems, which is all about nurturing strong relationships with our clients and executing projects with technologies and design systems appropriate to our client's needs.

We listen and respond quickly and efficiently with an expert knowledge of engineering that is superior within our industry, which is executed by a staff of talented professionals who take their work beyond expectations.

ENGINEERING DESIGN AND SERVICES

- Civil
- Structural
- Mechanical
- Electrical
- Plumbing
- Civil
- Technology
- Security
- Sustainability
- Architectural Lighting
- Commissioning
- Energy Modeling



Union Station Great Hall (pictured above) The renovated Crawford Hotel at historic Denver Union Station includes 65-foot ceilings and soaring windows. (Photo by Ellen Jaskol)

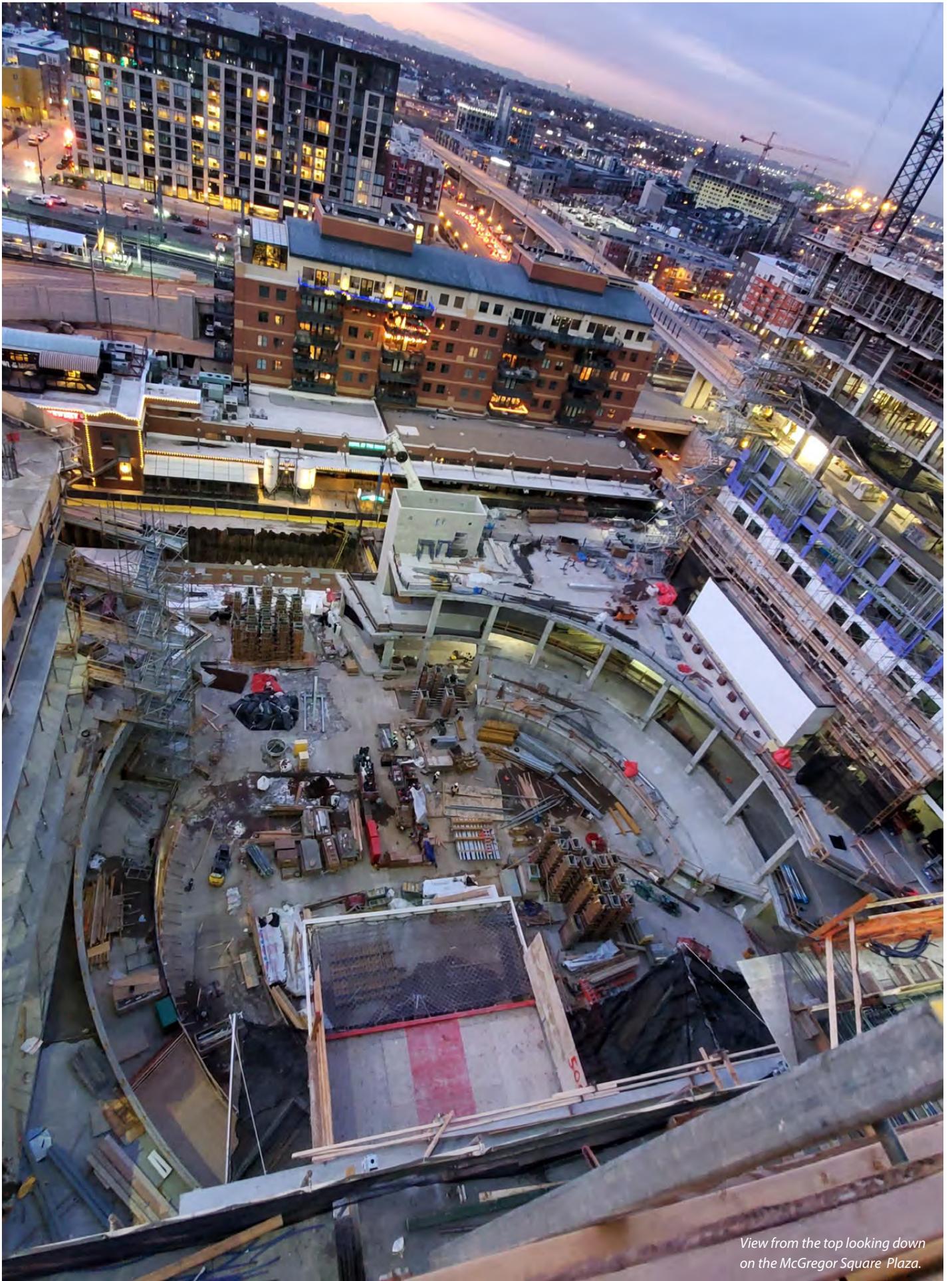


The Denizen Apartments (pictured at left) are located near the South Broadway neighborhood of Denver.

The Arrabelle at Vail Square (pictured below) is a luxury resort hotel created in the spirit of the grand alpine hotels of historic Europe.

Monroe & Newell
Engineers, Inc.
now 





View from the top looking down on the McGregor Square Plaza.

A “Major League” Team Effort by Paul Suter

Dick Monfort, Chairman and CEO of the Colorado Rockies baseball franchise, still spends a great deal of time at Coors Field. Except nowadays he can be spotted outside the confines of the ballpark. His focus is on the team working on what was once a vacant parking lot across 20th Street from the stadium, diligently constructing McGregor Square, an 860,000 square foot mixed use project a baseball-throw away from the Major League venue that helped spawn modern-day LoDo.



Dick Monfort, Chairman and CEO of the Colorado Rockies overlooks McGregor Square construction site.

Mr. Monfort readily admits to not being a fan of heights, and when asked what his choice job might be on a construction site, he turned down the possibility of operating a crane hundreds of feet in the air.

“I’m not a big ‘heights’ guy, so I’d have to say no to the crane!” he made clear when asked what his “dream construction job” would be in a recent Q&A. He spoke candidly about McGregor Square and the construction team building the office, residential, hotel and retail spaces that will further elevate the downtown Denver lifestyle.

He did, however, point out his admiration for the some of the true artisans on the site, along with his respect for the architects, contractors and subcontractors at work on a daily basis to deliver McGregor Square to the people who love the city, the Colorado Rockies and experiencing all the great things LoDo has to offer.

www.ccdmag.com | news@ccdmag.com

What are some of the things you admire most about the design and construction industry?

The way the team “drags” the vision out of people is amazing to me. The design and construction professionals need information “now” so they can make sure things work ahead of time and avoid delays and changes. When they were working on pouring the second floor of a building, the team was already seeking answers to questions about the 12th floor. There is a lot of envisioning involved. To get where we want to be, the team was able to take our vision and put it on paper so that the engineers, architects and construction professionals could make it all line-up and make everything look that way we want things to look.

What has been the most challenging part of building McGregor Square?

Probably the amount of advanced notice and the questions that were being asked far in advance of the work that was yet to be done. There is an incredible amount of planning and coordination taking place, and nobody wants to make a mistake and add unnecessary costs. Everyone worked together to sort out problems and keep everyone on the same page. Everyone on the team understands the times we’re in and we all want McGregor Square to be a special place the people who live and visit here can celebrate and take joy in once it’s complete.

What has been the most pleasing part of building McGregor Square?

That is yet to come. It’s great to watch McGregor Square take on a character as windows are installed and brick is laid. Seeing what years of planning is creating is fascinating and very rewarding. All of the people

working on the project have forged strong relationships based on the pride of sharing a common goal. The “secret sauce” of the project has been the belief throughout the team that McGregor Square belongs to all of us. Keli McGregor played a professional and personal part in the history of the Rockies. What part did Keli play in the vision for McGregor Square?

Keli had tremendous attention to detail. What was important to him during the design and construction of Coors Field became important to the fans. For example, the openness of the stadium and the fact that you can see the playing field even while you’re buying snacks on the concourse is something Keli wanted. The open feel isn’t something you find at other ballparks. Wrigley, Fenway are historic monuments, but you have to get to the seats before you can see the game. McGregor Square will have the same open, inviting atmosphere of Coors Field, which is something I believe Keli would want.

What would be your dream job in the construction industry?

I’ve always admired the artistry and creativity of laying brick, so I’d have to say being a brick mason. Brick is a major part of the character and charm of Coors Field, and it will be equally engaging at McGregor Square.

Designed by Stantec and being built by Hensel Phelps, the \$250 million project is scheduled for completion in January 2021. It will include a 13-story residential building with more than 100 residences including 450 square-foot studios and spacious 6,000 square-foot penthouses, a 174 room luxury hotel, a 205,000 square foot office building, 70,000 square feet of retail and outdoor spaces and two stories of underground parking. McGregor Square is intended to be a

year-round gathering space, where people can shop at retail destinations -- including the recently announced addition of Denver's classic Tattered Cover bookstore -- dine at a variety of restaurants and a food hall and enjoy the 25,000 square foot public plaza that will feature a grass berm for concerts, movies and festivals.

For a project of this size, magnitude and schedule, it was critical to put together the right team for the job. This meant being selective in regards to the quality, safety and cost competitiveness of each team member. Everyone involved had to have the horsepower necessary to handle the workload of designing and building three distinct towers simultaneously, while also diversifying the group enough so that no individual company was stretched too thin.

"There are four very unique construction projects actively underway: the garage and site improvements, the hotel, the office building and the residences, and each required a specialized team of professionals," said Kurt Seeman, Operations Manager for Hensel Phelps.

"We wanted to field a team that could handle the work and the aggressive schedule. A lot of effort has gone into making decisions and planning ahead so that everything is well coordinated and running efficiently. It's a testament to the entire team that everything is running so smoothly and that we're ahead of things so that we can avoid any errors now or in the future."

Work began in January 2018 with a focus on preconstruction, planning and trade partner procurement, leading up to a groundbreaking in October 2018. Lightning Ventures, a Colorado company specializing in all aspects of earthwork and

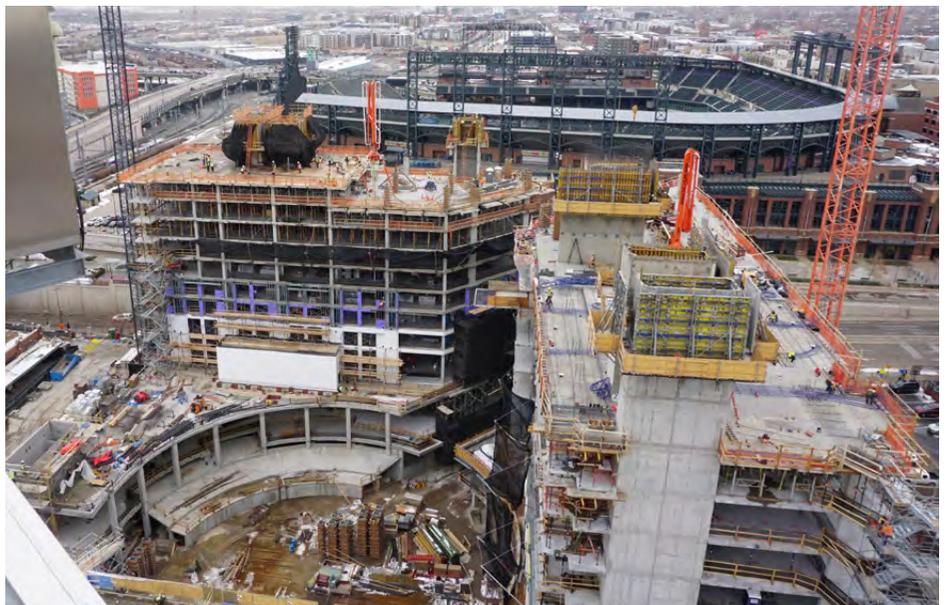
truck hauling, spent the next four months running approximately 9,000 truckloads of dirt out of the ever-growing hole in the ground (amounting to approximately 3.3 million cubic feet of soil, the equivalent of roughly 165,000 tons). Two-stories down into the ground, the garage space accounts for a full city block. Coggins & Sons, another Colorado-based company, then handled the shoring and installed the deep foundations. Approximately 250 piers were drilled 45 feet down to bedrock.

Concrete Frame Associates (of Colorado) was put to work to build a 350'x350' concrete podium. Once the podium was in place, the three buildings were ready to go vertical and more team members joined the jobsite. Among the "new players" were three more Colorado companies, M-Tech Mechanical, which is responsible for the mechanical and plumbing systems in all three buildings, Encore Electric, which is installing the power, lighting and low voltage for the buildings and Frontier Fire Protection, which is installing the fire suppression systems that serve all three buildings. In fact, many of the systems are inherent to all three buildings.

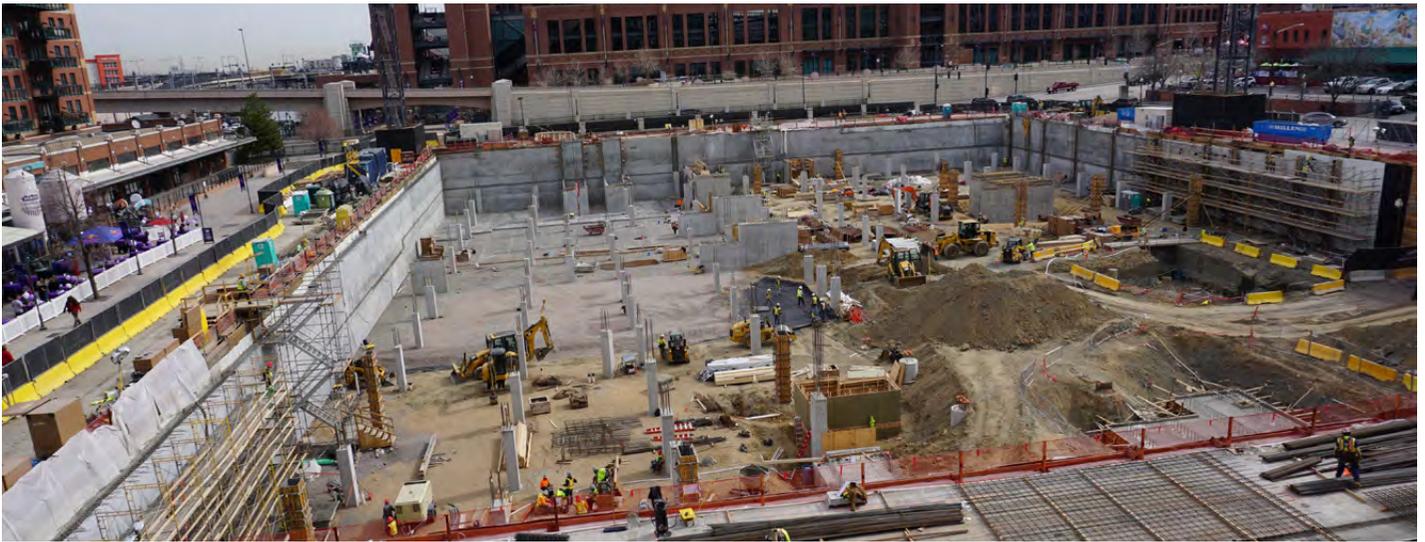
With so much work happening

concurrently, each building -- the hotel, office and residences -- were assigned a different company to construct the concrete structures. Rago Enterprises, with an office in Denver, handled the hotel, and Hensel Phelps (Colorado) oversaw the residential concrete and Concrete Frame Associate was responsible for the office building. Since each of the buildings has a distinct use and design, it was important to diversify.

As the buildings took form in concrete, the exterior skin elements of framing, sheeting, brick and glazing could be added. Soderberg Masonry (you guessed it, of Colorado) handled much of the brickwork at Coors Field and was the logical choice to do the same at McGregor Square. Two more Colorado companies, Harmon, Alliance Glazing and Metropolitan Glass were selected for their expertise, as were Midwest Drywall and Phase2 (all from, yes, Colorado). Midwest Drywall was responsible for the interior and exterior framing and sheathing of both the hotel and residential buildings, Phase2 did the office building. Metropolitan Glass was in charge of the glazing for the hotel and residences, from the third floor up. Harmon Glass installed all of the unitized curtainwall on the



Concrete placements on the residential and hotel buildings - view from the top.



The foundation of McGregor Square's landmark project.

office building and Alliance Glazing was responsible for all of the glass installation on Level 1 and 2 of all three buildings. All three of the buildings have benefitted from the installation of metal panels by Gen3, which keeping-to-the-theme also has a Colorado location.

Working together, the team was able to make any necessary course-corrections without greatly affecting the overall schedule of work or the timing of each individual trade. They have maintained the critical path based on the flexibility of everyone involved.

"It's great to be part of a project like this," said Seeman. **"We are all working together for a tremendous organization. We know this is an important extension of Coors Field as well as a fabulous addition to LoDo and the Denver skyline, and we all take a great deal of pride in the role we are all playing."**

"Everyone who is working on every single facet of the project can visit it years from now and share with their kids and grandkids that they built McGregor Square," summed-up Monfort.



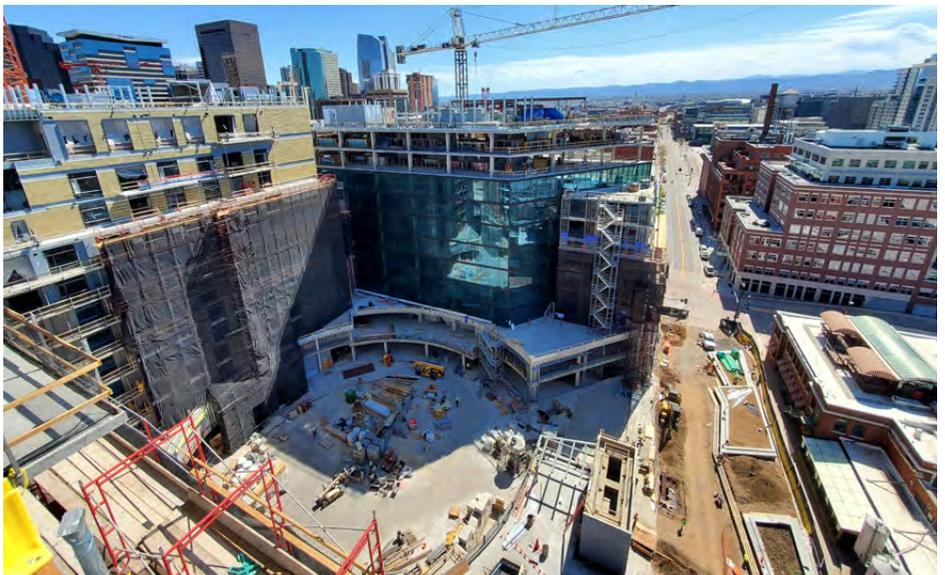
McGregor Square starts to go vertical.



Ground view of all three buildings at McGregor.



The sky bridge connecting the residential and hotel buildings



Curtain wall installation of the office building at McGregor Square.

All photos featured are courtesy of Hensel Phelps

Private Businesses Band Together to Support Community Needs in Northern Colorado

This spring, The Neenan Company teamed up with Liberty Common High School (LCHS) to help address the shortage of medical equipment created by the COVID-19 pandemic. Using LCHS' 3D printing studio, volunteers from both

organizations have created more than 800 face shields and 600 ear guards to support increased demand for personal protective equipment (PPE) at frontline healthcare facilities.

With strong connections to several organizations in the healthcare industry through its design-build work, The Neenan Company helped facilitate the distribution of face shields and ear guards to several hospitals and clinics throughout the country. LCHS and The Neenan Company were also compelled to look at needs locally to support the northern Colorado community.

While acute facilities are most critically in need of these medical supplies due to their direct care of COVID-19 patients, non-acute facilities still need supplies to protect patients and employees from the spread of COVID-19. One such facility located in Fort Collins is Pathways, a nonprofit organization that provides hospice and palliative care, grief

and loss counseling services, as well as symptom management and support for long-term illness. As of mid-May, Pathways was caring for about a dozen people with COVID-19 symptoms. While the demand for commercial-grade PPE in acute care facilities outpaces supply, the ingenuity and resourcefulness behind the donated supplies provided particular value to non-acute facilities, like Pathways, in protecting staff and patients.

“Under normal conditions, we go about a more mainstream way to secure PPE for our staff, however, the conditions presented by COVID-19 make Neenan and Liberty Common’s manufacturing of these face shields and ear guards so useful and needed, especially for non-acute facilities like Pathways,” said Evan Hyatt, director of marketing and communications for Pathways.

“Pathways is subject to different levels of regulation and restriction than acute facilities – like hospitals – would be, but nonetheless we are still caring for people suffering from COVID-19 and need to protect our staff, patients and their families. This donation goes a long way for our team to provide a high standard of care while also reducing the risk of contagion.”

Other local recipients of supplies donated by this partnership include Medical Center of the Rockies, Associates in Family Medicine, and Colorado Heart and Vascular.

The entrepreneurial effort put forth to create these in-demand supplies and donate them to those in need was made possible by a strong community partnership led by LCHS and The Neenan Company.

“We hope to continue supporting healthcare providers locally and around the country as the supply for medical equipment continues to be strained,” said Zach Adams, a Neenan Company project engineer and leader behind the project.

Materials for the endeavor are donated by The Neenan Company. The project is also funded by the LCHS Key Club and community contributions. The medical shields are a Swedish design approved for surgical use by the National Institute of Health.

Those interested in donating to the project, volunteering, or requesting shields for medical use can email The Neenan Company at faceshields@neenan.com for more information.





Safety & Risk Management

Why General Contractors Need Pollution Liability Insurance

by Scott Carlson

Scott Carlson is the President of CCIG's Construction practice. Reach him at Scott.Carlson@thinkccig.com or at 720-212-2040.



The Environmental Protection Agency recently relaxed enforcement of pollution regulations because, it says, some industries, including construction, may have trouble staying in compliance while they are short-staffed during the coronavirus pandemic.

While companies are normally required to report when they discharge pollutants into the water or air, here's what the new policy says:

"In general, the E.P.A. does not expect to seek penalties for violations of routine compliance monitoring, integrity testing, sampling, laboratory analysis, training, and reporting or certification obligations in situations where the E.P.A. agrees that Covid-19 was the cause of the noncompliance and the entity provides supporting documentation to the E.P.A. upon request."

That's no doubt welcome news to many, a bit of relief in the virus storm. But the more cautious-minded among us point out what should be obvious: just because federal regulators are easing off on enforcement doesn't mean all of the watchdogs are suddenly going to heel.

We've seen a flood of lawsuits by environmental groups, oftentimes joined by state governments, against the EPA, the Interior Department and, of course, industry in the past few years. There's no reason to think any of that will slow down anytime soon, COVID-19 or not.

Contractors, we know, can face daunting liability from environmental claims due to the nature of their work.

Worse yet, contractors who rely solely on their General Liability policies to protect them can end up with crippling losses, because those policies often contain pollution exclusions. Fortunately, there's Contractors Pollution Liability coverage to fill the void.

These policies provide coverage for liability due to pollution arising from operations performed by or on behalf of the contractor at a job site.

For example, if a subcontractor is drilling a hole and unknowingly disturbs asbestos that then pollutes the job



site and other areas around the site, he could be liable for a pollution claim.

Coverage under these policies includes third-party bodily injury and property damage claims, cleanup, and legal defense.

Policies can include coverage for mold, legionella, silica, pollution conditions related to transportation of materials or wastes to or from a job site, and non-owned disposal locations.

Contractor Pollution Liability policies can also include coverage for third-party business interruption, diminution in property value, natural resource damages, and fines and penalties.

Finally, contractors will want to consider an insurer that can provide tools and services to help them better manage pollution incidents and provide a rapid response to quickly address the pollution itself, along with the reporting requirements and associated regulatory exposures.

The bottom line: Contractor Pollution Liability coverage needs to be part of your coverage strategy, because relying on a General Liability policy just won't cut it and neither will expecting the EPA to continue its more relaxed stance.

CCIG is a Denver-area insurance, employee benefits and surety brokerage with clients nationwide. We do more than make sure you have the right policy. We help you manage your long-term cost of insurance with our risk and claims management expertise and a commitment to service excellence.

Urban Perspectives

Pandemic at the Disco: A report from Week Eight

by *Michael Leccese*



ULI Colorado's Leccese is in his eighth week experiencing the joys of family and community. Enough, already! Looking to learn something new while taking a pause? Check out the Real Estate Diversity Initiative (REDI) and Development 360 courses at <http://colorado.uli.org>



When not dwelling on the difficult present (of course I'm referring to the dreadful reality of a truncated baseball season), I try to imagine what good could come as we move into the "new normal."

Seriously (folks), I offer an example. In just one month, our air and environmental quality has improved dramatically. How can we preserve such gains while reviving the vitality of our economy and civic life in general?

Here are seven potential positives to focus on in dark times. They relate not just to core business, but affordable housing, the environment, and transportation.

1. Our world of **real estate, design and construction is a long game**. Projects teams must assume that things will be different in a year or two.
2. Even in a sinking economy, **real estate and construction are faring a bit better than most**. Thanks to the efforts of the AGC and others, construction employment continues at active sites. Some development projects have paused; others that are entitled and financed move forward. Architecture, planning and engineering firms report cutbacks, but they are also gaining new projects and learning to do workshops and charettes virtually.
3. Sectors like hospitality and retail sectors are more than challenged. Yet **multifamily is somewhat holding its own**. As of May collections, the great rent strike collapse has yet to materialize. A recent survey of ULI's multifamily developers revealed that 85 percent continue to process entitlements. The industrial/warehouse may have actually have a brighter future.
4. **We could see positive and healthy social changes**. If half of employees work at home half the time (now feasible), not only will traffic and pollution stay low, but the demand for road capacity will decrease. We could appropriate more "found" space for sidewalks, bike lanes, street trees, and other urban greenery.

As downtowns and commercial districts become less commercial, our neighborhoods might benefit from a

greater daytime population to support local shops and services. This could become the key to creating the chimerical "15-minute neighborhood," where you can meet all your daily needs within a short walk or bike ride. Community gardens and local agriculture could also flourish.

5. So what happens in business districts? **Falling demand for office space and hotels could open opportunities for much-need housing**. Building housing today is prohibitively expensive, which has led to a crisis in affordability and homelessness. Converting unneeded office space, hotel rooms, and retail sites into affordable housing seems possible. Making use of existing buildings and infrastructure is much cheaper than building from the ground up. Building and property owners will be looking for ways to fill their spaces.
6. The crisis has demonstrated a new **the value of parks and open space**, which today are jammed. As our population continues to grow, we may see a new wave of Olmsted-inspired park networks like Boston's "Emerald Necklace" and Boulder's mountain parks.
7. Although we're (even me) too young to remember, **cities and civilizations have faced pandemics before**. After much pain, huge innovations resulted. The cholera epidemics of the 19th century led to vast construction of sewer and sanitary facilities. The treatment of tuberculosis, which killed one in five Americans before the Civil War, led to new building forms that emphasized light and ventilation.

As the Denver Chamber's Kelly Brough said recently, you have to stay optimistic without being Pollyanna (apologies to my editor). Obviously and sadly, too many people face health threats, financial hardship, loneliness, and loss of family members. But many have also renewed their ties to community and family. The crisis has also put social inequity front and center. Taking a pause from our normal hectic routines, we may actually have time to ponder new solutions.



Colorado Building Green

LEED Green Raters Needed to Keep Up with Colorado's Demand for LEED Homes

by **Charlie Woodruff**

Charlie Woodruff, Regional Director,
U.S. Green Building Council



COLORADO

Colorado currently has more than 16,000 LEED-certified units across the state. The residential sector is a major part of the state's green building stock, and has increased the demand for qualified professionals to verify the sustainability of these units, called LEED Green Raters. LEED Green Raters provide on-site verification through technical assistance, inspections, energy testing, energy modeling and final reviews of documentation and installation for LEED certification of a home.

They are individuals authorized by Green Business Certification Inc. (GBCI) to perform verification services based on their demonstrated experience and expertise in residential green building.

Green Raters must be involved with the project from the design phase throughout the construction process and are responsible for:

- Providing on-site verification services for registered LEED residential projects.
- Verifying that the project is designed and built to the rigorous requirements of the LEED rating system through documentation review and onsite verification.
- Assembling the project submittal package for submission to GBCI for certification review.

The demand for qualified LEED Green Raters is essential to keep up with the tens of thousands of registered LEED residential projects around the world, which is growing every day. To support the growth of this group, USGBC is introducing new updates to the training and application process and working with those in the existing network to grow the pool of eligible LEED Green Raters and the use of LEED.

Anyone wishing to become a LEED Green Rater must complete the two-part training provided by USGBC. Part one of the training, which is available free of charge, consists of an overview of the LEED v4 residential rating

systems. Part two consists of a 1.5-day instructor-led, periodically offered interactive workshop that delves deeper the verification services LEED Green Raters provide.

After passing the training and filling out the application, professionals can qualify to be a LEED Green Rater.

LEED is one of the few green building rating systems that has requirements specifically for homes. The residential LEED rating systems address the needs of single family, multifamily and affordable housing projects and help builders and remodelers create efficient and sustainable homes that residents can feel confident are also supporting their health and comfort. Residential units cannot earn LEED certification without the verification of a LEED Green Rater, and as one of the most rapidly growing sectors of LEED buildings, homeowners and builders need the guidance of green home professionals that LEED Green Raters can provide.

In these times when many of us are working from home and connecting with our colleagues virtually rather than in-person, applications for LEED certifications are still being submitted and verified every day. Now more than ever USGBC and GBCI are looking for dedicated LEED professionals who can help homeowners and home builders see the certification of their home or multifamily project through to the end. USGBC provides training regularly, so check usgbc.org for the next virtual training and sign up to be part of this important group.

Engineering Colorado

Transition from Hard Problem Solvers to Messy Problem Dissolvers

by *Karlene Thomas, PE*

Principal | Pinyon Environmental
ACEC Colorado 2020-21 President



During this time of change, whether it is the natural progression from spring to summer, or the seemingly unnatural transition from pre-COVID-19 to post-COVID-19, change is inevitable. We, at ACEC Colorado, recently celebrated the change of leadership from our 2019-20 President, Brad Doyle, PE, to me as the 2020-21 President of ACEC Colorado, during our Annual Meeting on April 24.

As I transition into my new role as president during this pandemic, I find it helpful to focus on our strength as engineers and our role as problem solvers. I recently attended the Engineering Change Lab USA in Houston and was impressed by one of the provocateurs, Guru Madhavan, a PhD in biomedical engineering at the National Academy of Engineering. He talked about three different types of problems that we are faced with: hard problems, soft problems and messy problems.

Hard – Soft – Messy Problems

Madhavan defined “hard” problems as those that have a technical solution with minimal impacts from human behavior. The second type are “soft” problems. These problems have the added complexity of significant human behavior impacts, so a solution is both technical and social. The third type are “messy” problems. These problems have complex interconnections, including major human behavior impacts and cultural and social concerns that are difficult to explain and lack clarity. In addition, they are subject to real-world constraints that prevent multiple and risk-free attempts at resolving.

Messy Problem Dissolvers

Before COVID-19 in my new tenure as president, I might have focused on infrastructure funding, but we are in the middle of a more substantial messy problem – a pandemic. It has devastated so many lives as the competing factors of fear and public health, misinformation and information overload, protection of the weakest members of society and financial collapse, individual freedoms, and common good clash as we try and dissolve this “messy” problem. Only by us, as engineers, stepping up, becoming involved

and transitioning from hard problem solvers to system thinkers and collaborators will we be part of the dissolving force.

I believe that the key to thriving in uncertain times and an unknown future is to push the envelope. My goal as president of ACEC Colorado is to advocate for engineers to be messy problem dissolvers, to transform ourselves to embrace technology and to be pioneers.

Help Consulting Engineering Firms Thrive

As we all strive to navigate an uncertain future, ACEC Colorado has rolled out a new strategic plan and mission statement, which is “To advance a business environment that helps consulting engineering firms thrive.” In order to thrive, we are focusing on five goals as part of our three-year strategic plan that aligns with ACEC National’s strategic plan. These goals include:

1. Advocacy – We are the voice to advance, protect and promote public policy and build public and private sector relationships.
2. Professional Connections – We aim to maintain an engaged membership representing diverse sectors of consulting engineers.
3. Firm Success – We strive to provide the resources and opportunities to support firm and career success.
4. Public Value – We demonstrate and communicate the value consulting engineering brings to society.
5. Organizational Excellence – We maintain a vibrant ACEC Colorado membership organization by way of leadership and resources.

For me, over the last 13 years, ACEC Colorado has provided the tools to help in my transformation from an engineer to a business owner. These tools along with the hundreds of people that I have met and learned from along the way have been invaluable. I now look forward to transforming with my fellow engineers from hard problem solvers to messy problem dissolvers, continuing to provide benefit to our companies and our communities, and learning and growing together.



Expert Insight

Conflict Resolution 20/20/60

by **Troy Clark**

President at MSC Safety Solutions/Crane and Rigging Consultants/Colorado Crane Operator School. Email: tclark@mscss.us



Working in the Health and Safety Industry as a Safety Professional can be challenging at times, believe it or not. Sometimes, we do get push back when discussing safety procedures. I know, hard to believe, but it happens. In my younger years, I struggled with this especially if the person arguing was my senior or I wasn't confident in my knowledge. This struggle caused me to develop a technique to stop the arguing about the problem and to start talking about solutions. I call it the 20/20/60 conversation. This is also a technique I use at home and have found since using it, I don't sleep in the doghouse... as often.

The concept is simple:

20% of the conversation is spent talking about the problem, violation, or disagreement.

20% of the conversation is spent talking about what could or will happen if we do not resolve the issue.

60% of the conversation is spent talking about the solution or options to resolve the issue. Talking about the problem does not fix anything. Talking about solutions is productive.

When identifying deficiencies in safety, production, or quality, we need to have an open dialog with our employees, coworkers, and friends. Approaching them in a positive manner and opening the conversation with a positive attitude will help get you off on the right foot. If the person you approach is defensive or combative at the onset of the conversation, try using a questioning approach. For example, if an employee is improperly using a ladder, "Have you had ladder training?", "Have you been advised that you cannot stand on the top step?", "So why are you standing on the top step?". You have just opened a positive dialog and if you listen, the employee will sense that you care. It is important to develop respect, and you have to give respect to get respect. Let the employee talk and you LISTEN. Then we want to address the at-risk behavior. If you listened you might find out the employee doesn't have a taller ladder or that he hasn't had proper training. Help him find the proper tool for the job or get him trained. You might even find that the employee's

intentions are in the right place and he just doesn't understand why it's important to not stand on the top step. This is 20% of the conversation. Talking about the problem and understanding why it exists. Then move on.

Next, we need to discuss what could or will happen if we don't resolve the issue. This is twofold. One, a person could fall and injure themselves if they stand on the top step plus, there are all the underlying ramifications that come with a jobsite injury. Two, we can't just state you can't do that and walk away. The job must move forward in a timely manner. If we don't correct this issue, we could have an injury and/or possibly delay the project. The employee needs to have a firm understanding on where we are coming from and why finding a solution is important to both parties. This is 20% of the conversation. Then move on.

Finally, let's talk options. Let's talk solutions. This is 60% of the conversation. How do we fix this? How can we find a way to work safely and keep the project moving forward? This again is a time to listen. Most people who are doing something wrong, know they are doing something wrong, and know how to do it right. Ask, "How can we fix this and how can I help?" And even more importantly, follow through and HELP! Discussing options and finding a team driven solution will create a sense of loyalty and respect. Your employee will tend to feel that you care and respect their opinion. At the end of the day, most of us need to feel respected, that our supervisors listen, and they actively care about what we have to say.

I hope that my technique is helpful. You can spend your day arguing or you can spend it talking about solutions. I know in my house; life has dramatically improved using this method. Remember, spend 20% of the conversation talking about the issue, 20% about consequences, and spend the rest the time coming to a team driven resolution. This is the foundation as to why our company name is MSC Safety Solutions. Focus on the solution, not the problem.



Inside AGC Colorado

AGC Advances Effort to Provide Construction Opportunities During COVID-19 Outbreak

by Michael Gifford

Author Michael Gifford is President and CEO of the Associated General Contractors (AGC) of Colorado.

AGC has advanced several efforts to provide construction opportunities to members during the slowdown caused by the COVID-19 outbreak and Stay At Home and Safer At Home protocols.

Governor's Council on Economic Stabilization & Growth

AGC Chairman Byron Haselden and CEO Michael Gifford were both named to this group and have submitted specific policy recommendations to the Governor and State Legislature for economic stabilization and growth. The council is working to:

- Create policies to help each industry get back on it's feet
- Support employees that have been laid off or furloughed during the pandemic caused slowdown
- Provide re-training (including construction) for dislocated employees

Denver

AGC President & CEO Michael Gifford was appointed to Denver's Economic Relief and Recovery Council. The council is working to:

- Accelerate Denver construction projects, including GO Bond funded projects, during COVID-19 caused slowdown
- Use construction workforce training programs of AGC, CCA and Denver to place Denver residents in great-paying jobs
- Increase the use of virtual permit and inspection services to facilitate faster completion of projects
- Increase fire inspection resources, speed fire inspections and change the protocols to help projects move forward faster and more effectively
- Speed Large Development Review to speed project starts
- Reduce retention from 5% to 2.5% or 0% during the duration of the pandemic slowdown
- Speed invoice approvals and speed payments to contractors

AGC & ULI Virtual Project Tour Series

AGC has started a new Virtual Project Tour Series with Urban Land Institute Colorado. Each virtual tour features a project under construction with an AGC member general contractor along with the project owner and designer. After the 20-30 minute tour, we feature a panel discussion with the project owner, architect and general contractor. These tours are designed to keep up with market info and meet new developers and general contractors to prospect for future project opportunities.



**ASSOCIATED
GENERAL
CONTRACTORS**



July AGC Breakfast with the Board & GC Showcase

AGC plans to deliver the July Breakfast with the Board and GC Showcase in either in-person or virtual format. This will be your chance to meet and/or catch up with the pre-construction and project management teams from the top 25 General Contractor's in Colorado. This is a strict member's only event so make sure your membership is current to attend the largest gathering of its type in the state. Last year we had 575 in attendance including top architects and engineers.

For more info check us out at www.agccolorado.org
Michael Gifford, CEO
AGC Colorado



Chapter Sponsor *SPOTLIGHT*

plante moran

Often times when joining a professional association, higher level executives and company owners are typically not involved in the monthly committee meetings, advocacy efforts nor foundation philanthropy activities. This limited engagement can be discouraging to current association members who are seeking true networking opportunities for their businesses.

However, according to Shane Brown, CPA, CCIFP, a Partner at Plante Moran, the complete opposite is true about membership in the AGC of Colorado. "One of my team's favorite aspects of being an active member in AGC of Colorado, is the opportunity to volunteer alongside people who actually run the construction industry, from small business owners to leaders of major corporations." He commented that this hands-on experience to interact with construction industry professionals on a consistent basis is one of the major reasons why Plante Moran has continued to support AGC of Colorado over the years.

One of the most impactful ways Plante Moran has supported AGC of Colorado, is through their initial involvement of the creation of the Construction Education Foundation of Colorado (CEF Colorado). Shane was able to provide financial guidance for the foundation to allow for fundraising and contributions to be made to support this workforce development focused foundation. Shane also currently serves as a Board Member of CEF Colorado.

This partnership has allowed Plante Moran to grow its construction focused team and serve as true business advisors to construction industry professionals. "AGC of Colorado offers an immersive experience for our staff to truly learn the ins and outs of the construction industry. So much so, that we use our membership and committee participation as a training and networking tool for our up and coming staff," concluded Shane Brown.

To contact Plante Moran:
(303) 740-9400
www.plantemoran.com



*Shane Brown, Partner
Plante Moran*

**Thanks for Supporting
Our Industry & AGC of Colorado!**



Training and Development Courses *ONLINE*

The Best of Lean
in the Design Phase

Project Manager
Development

Choosing by Advantages

Basic Construction
Stormwater Compliance

Advanced Stormwater
Manager's Course

Supervisor Training
Program (STP)

Essential Construction Math

Construction Equipment
& Methods

Building Green Buildings:
The Contractor's Perspective

Sign up or learn more. www.agccolorado.org

#WeBuildCOAGC

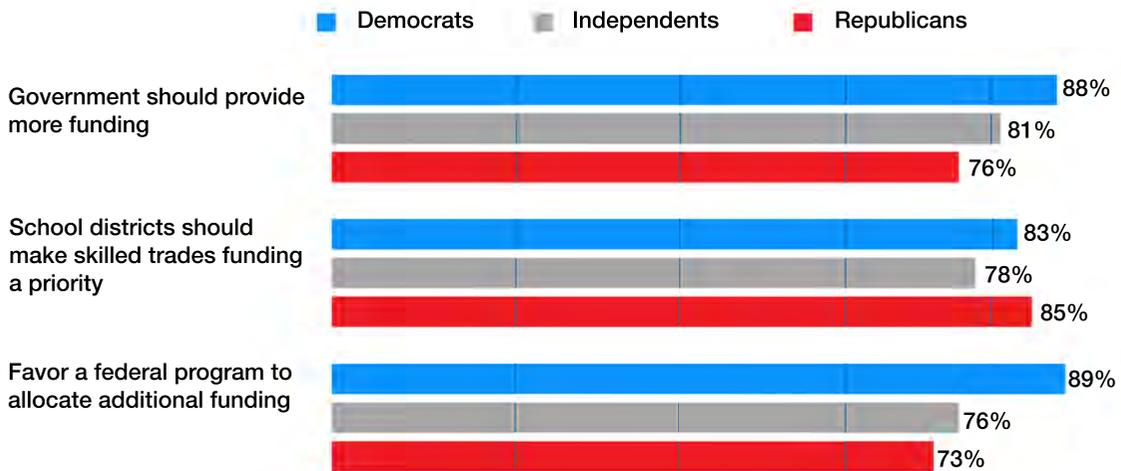


Americans Voice Strong Support for Skilled Trades Education

Parents, students, and voters agree.

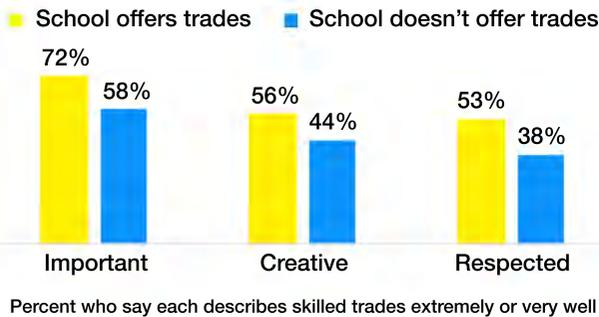
Voters Favor Increased Spending

8 in 10 voters favor increased public funding for skilled trades education and think trades should be a priority in high schools.



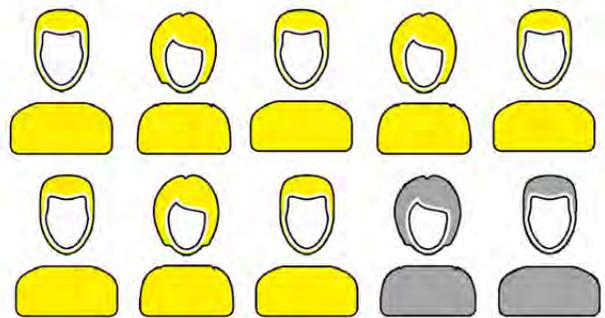
Students with Trades Classes at School are More Positive

Students in high schools that offer skilled trades courses are more likely to say skilled trades jobs are important, creative, and respected.



Parents Want Opportunities

8 in 10 say their child would be more prepared for a career if there were more chances to study skilled trades in high school.



This study was conducted by NORC at the University of Chicago for Harbor Freight Tools for Schools. Data was collected by NORC at the University of Chicago in 2019. For more information and additional findings, please visit <https://harborfreighttoolsforschools.org/>.

HARBOR FREIGHT
TOOLS FOR SCHOOLS



CONSTRUCTION CAREERS NOW!

PROVIDES STUDENTS A REAL **Opportunity** FOR A NEW CAREER

Join our **No Cost Virtual Hiring Fairs**

Meet 45+ OSHA 10 Certified CCN Graduates Monthly

Join our Hiring Fairs on **ZOOM**
Register on buildcolorado.com/hiring-fair



VIRTUAL
CCN Hiring Fairs
June 25 & July 30

PROGRAM SCHEDULE

- Classes start every 5 weeks
- 4 weeks (16 classes)
- Monday thru Thursday, 5:30-8:00 pm
- Virtual Hiring Fair during final week of classes

PROFESSIONAL CURRICULUM

- Introduction to a Variety of Skilled Trades and Career Paths
- Students Earn OSHA 10 Safety Card
- Basic Construction Measurement
- Building Techniques
- Contractor Presentations
- Resumes, Interview Skills, Career Coaching

CONTACT OUR CCN TEAM!

Erika Anderson - Program Director
Phone: 720-456-2302 • Email: erika@agccolorado.org

Jim Spence - Recruiter
Phone: 720-456-1845 • Email: jim@agccolorado.org

Karen Espejo - Recruiter (*Habla Español*)
Phone: 720-235-1915 • Email: karen@agccolorado.org

Hiring Fair Registration BUILDCOLORADO.com/hiring-fair

REGISTER TODAY!

@constructioncareersnow

@constructioncareersnow

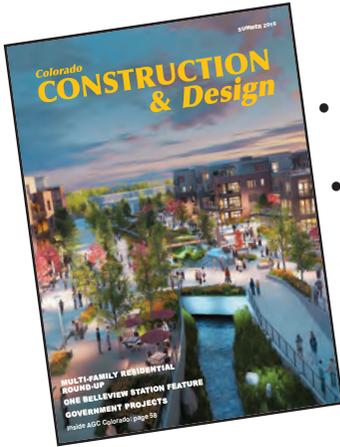
@ConstCareersNow

THANKS TO THE MANY SUPPORTERS WHO MAKE THIS PROGRAM POSSIBLE



WE'RE HERE TO HELP YOU BUILD YOUR BUSINESS

People News • Industry Events • Educational Features • Project Updates
Architectural Renderings • Association News • Your News



- **IN PRINT**
- **ON LINE**
- **ON TIME**

Colorado
**CONSTRUCTION
& Design**

Colorado's Construction News
And Marketing Magazine

To discuss your marketing, contact:
mike@ccdmag.com • **303-914-0574**

visit: www.ccdmag.com



TICKETS ARE AVAILABLE!

13th Annual Déjà vu Rendezvous

A Night of Celebration for the Construction Industry

Friday, September 11, 2020

Mile High Station - Denver, CO | 5:30 p.m. - Midnight

To become a sponsor or purchase tickets, visit www.dejavu-rendezvous.org

Déjà vu Rendezvous benefits the Center for Inclusive Design and Engineering (CIDE), formerly Assistive Technology Partners. CIDE aims to empower individuals with disabilities to achieve their highest potential through technology.



Center for Inclusive Design and Engineering (CIDE)
UNIVERSITY OF COLORADO DENVER | ANSCHUTZ MEDICAL CAMPUS

Construction Scene

Recent construction photos of projects in and around the Denver area. | Photos taken by Mike Branigan



Multi-family construction at Jewell Avenue & Allison Street - McPherson & Real Estate Equities Architecture, LLC



Multi-family construction at Jewell Avenue & Kipling - Calcon Constructors & Studio 646 Architects



SloansEdge Southshore Townhomes - 4061 W 16th Avenue - Koebel and Company

Construction Scene

Recent construction photos of projects in and around the Denver area. | Photos taken by Mike Branigan



The Raleigh at Sloan's Lake - Hines



Sheridan Station Apartments - Alliance Construction Solutions

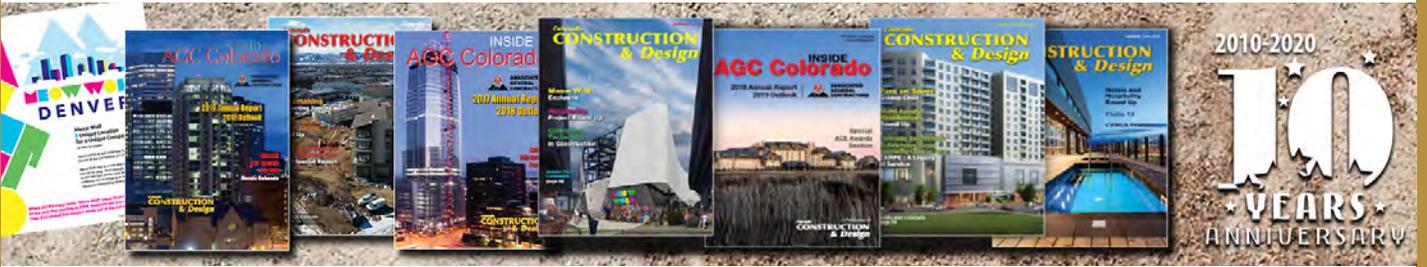


Photo courtesy of Catamount Constructors - Apex Meridian II in Englewood, CO

**WE'RE HERE TO HELP YOU
BUILD YOUR BUSINESS
IN PRINT • ONLINE • ON TIME**

www.ccdmag.com

Send your news to:
news@ccdmag.com

To discuss your marketing
contact: mike@ccdmag.com



CCD 101 - Saturating YOUR Target Market

- We are Colorado's leading construction news and marketing magazine.
- Our 5000+ print subscribers circulate Colorado Construction and Design magazine 8x a year.
- Our website receives 10,000-14,000 combined visitors/ unique visitors monthly.
- Check it out by visiting us at www.ccdmag.com
- We publish the widely-read AGC Colorado Annual Report/ACE Awards magazine and the AGC Colorado Member Directory.
- As official publisher for AGC Colorado, we're in close contact with the "upper echelon" of quality contractors in Colorado.
- The majority of our industry partners renew their ad campaigns year after year.



Advertiser Index

AGC Colorado	54
Bison Innovative Products.....	19
Brekhus Tile & Stone	13
Bryan Construction.....	29
Calcon Constructors.....	31
Cesare, Inc.....	21
CCIG	3
Colorado Barricade.....	7
CCD Magazine.....	13, 16, 21, 59, 61, 62
Concepts in Millwork	21
Contractors Health Trust	11
CTL Thompson	19
Deja vu' Rendezvous.....	49
Douglass Colony Group	5
Dynalectric Company of Colorado	17
ELIGHT Electric.....	31
Fiore & Sons	29
Gallegos Corporation.....	15
GH Phipps Construction Companies	9
Ground Engineering	27
Honnen Equipment Company.....	15
IMEG/Monroe & Newell	19
Kumar + Associates	17
Midwest Drywall	35
MSC Safety.....	17
OE Construction	27
Suter Media Relations	63
RK Energy	13
Suter Media Relations	63
SITECH	2
SMPS.....	63
Wagner Equipment Company	64

Colorado **CONSTRUCTION & Design**

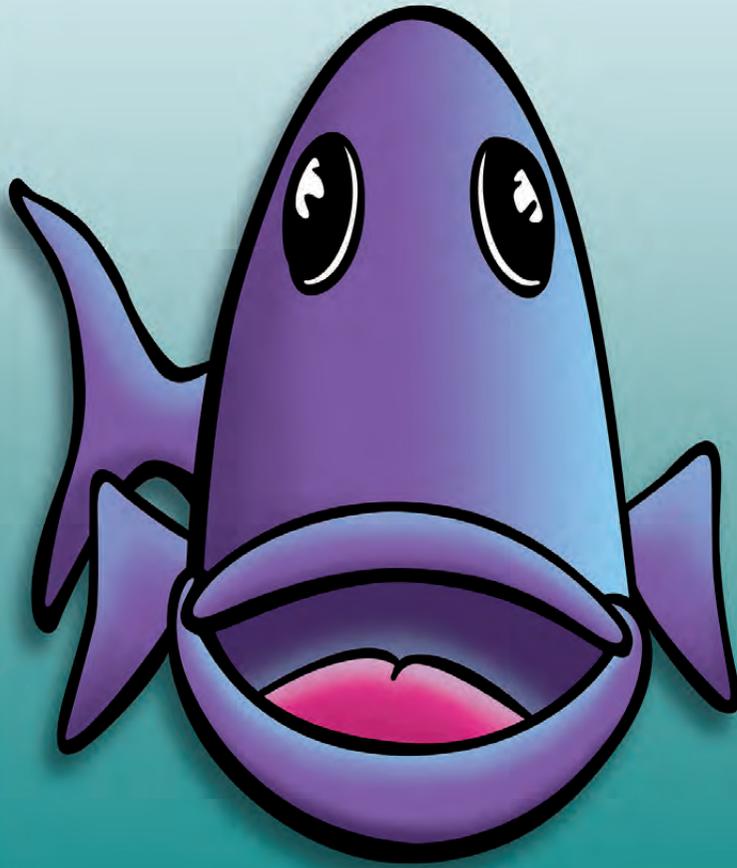
Mike Branigan

President / Publisher

8622 W. Warren Drive | Lakewood, CO 80227-2343

Tel: (303) 914-0574 | Fax: 303-973-4719

mike@ccdmag.com • [LinkedIn.com/in/MichaelBranigan](https://www.linkedin.com/in/MichaelBranigan)



Become a Bigger Fish



SUTER MEDIA RELATIONS

*Media Relations and Publicity
for Your Company*

(P) 720.771.9093 (E) sutercomm@aol.com
(W) www.sutermediarelations.com

BROUGHT TO YOU BY:
smps
Colorado

For the past 35 years, SMPS Colorado has come together with the industry's marketing elite to provide the premier forum for education and networking in the architectural, engineering, and construction communities.

EDUCATION WEBINARS

WEDNESDAYS
1:15 - 2:15 PM

CONTENT OVER COFFEE

FEATURING SMPS MAX TALKS

FRIDAYS
9:15 - 9:45 AM

LEARN MORE AND REGISTER BY VISITING
WWW.SMPSCOLORADO.ORG



MAKING EVERY DAY MORE PRODUCTIVE.

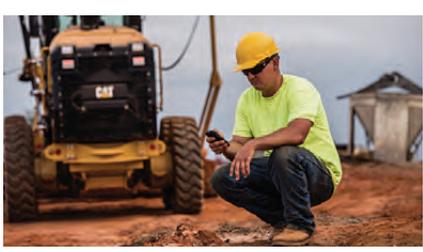
Machines are the lifeblood of your company. If they're not running up to factory standards, it can quickly cut into your bottom line. That's why successful contractors count on Wagner Equipment Co. to manage and maintain the machines that drive profit to their bottom line.

Avoid costly downtime by counting on Wagner to deliver genuine parts, service and maintenance programs that extend the life and increase the productivity of your machines.

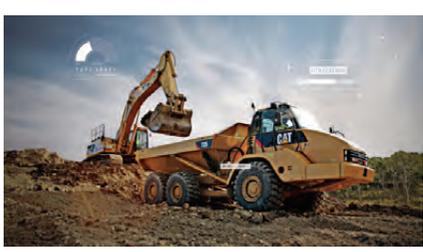
Contact Wagner for details.



S•O•SSM Fluids Analysis



Parts.Cat.Com



VisionLinkTM



Field Service



Parts



Customer Support Agreements

Call: 1-877-654-1237 | www.WagnerEquipment.com



**THE NEXT
BIG THING
ON THE JOBSITE**

INTRODUCING THE CAT[®] APP



Scan me