

COUNCIL CONNECT

OUR LEADS. YOUR OPPORTUNITIES.

The official publication of the Tri-City Construction Council



PNNL Center is accelerating scientific discoveries

New industrial wastewater treatment plant in Pasco

The B5 Community Learning Center will be a vision of education, innovation, and community building



your trusted partner in all things construction

Everything from specialty to general contractors – license and permit bonds to large contract bonds. Big or small, we know construction and can help.

INSURANCE

- · Property, GL, Auto, IM, Umbrella
- Professional / Pollution Liability
- **Builders Risk**
- OCP. OCIPS. WRAPS
- Contract, Risk Transfer Review

BONDING

- License & Permit Bonds
- Bid Bonds
- Contract & Subcontract Bonds
- Subdivision Bonds
- Other Miscellaneous Bonds



We work with the most reputable names in the business





















Certified in: Cambria, Caesarstone, Pental, Dekton, Corian & more.



GSS Fabrication Inc.

Specializing in Natural Stone and Solid Surfaces

509-375-1960 | 1944 Saint St, Richland, WA 99354 | estimating@gssfabrication.com



NW CONSTRUCTION SUPPLY

A DIVISION OF CORWIN COMPANY, INC.



CONCRETE ACCESSORIES

- Complete Forming Hardware & Accessories for Residential & Industrial Applications
- Rebar Fabrication & Tying Supplies
- Concrete Repair Powders & Chemicals
- Symons Forming Systems



HILTI

NW Largest Hilti Distributor

- Great Pricing
- Wide Range
- Local Service
- Anchoring Systems
- Firestop Products
- Power Tools

STUCCO

- EPS Foam
- Air / Vapor Barrier
- Base / Finish Coats
- Metal Trim / Joints
- Metal Wire / Lath



SITE SOLUTIONS

- Erosion Control
- HDPE Pipe
- Corrugated Metal Pipe
- Silt Fencing

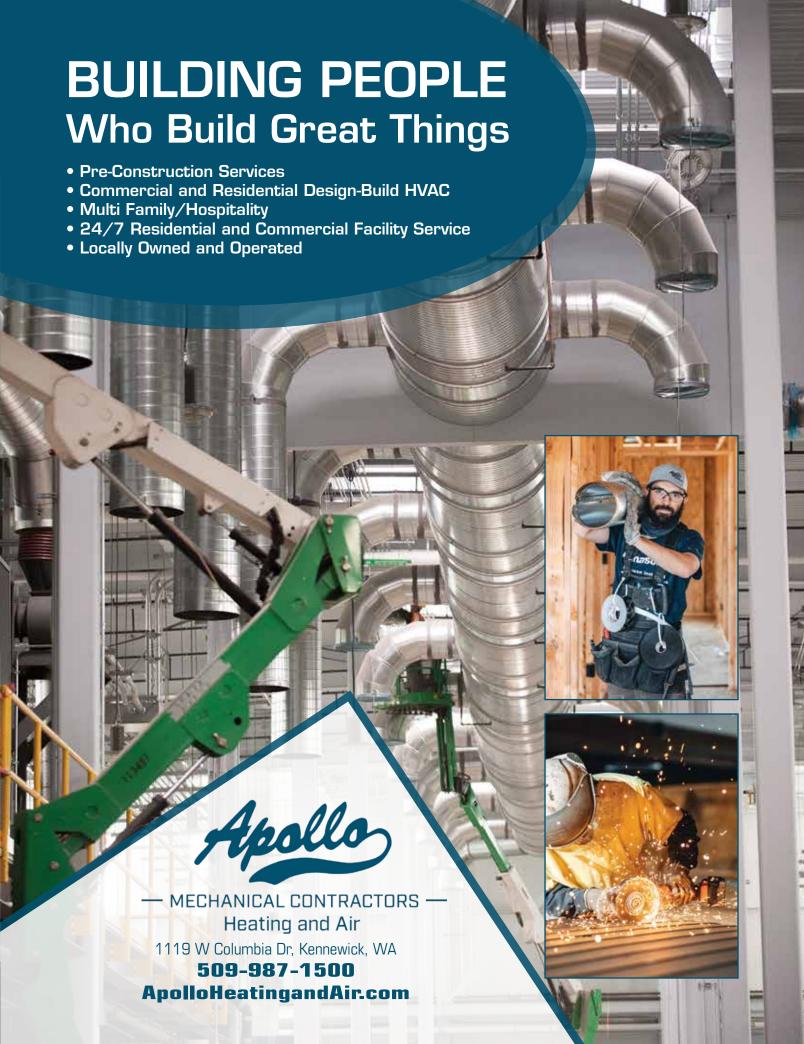


MASONRY

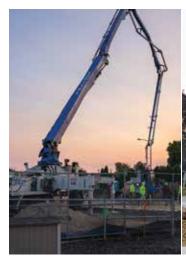
Wide Selection of

- Outdoor Kitchens
- Retaining Wall
- Pavers
- Fire Pits





CONTENTS





- 6 -

A message from the TCCC executive director, Scott Howard

- 10 -

Help us shape the future of TCCC

- 12 -

TCCC Annual Scholarship Golf Tournament

- 14 -

TCCC event listings

- 16 -

The HP PageWide XL 5100

- 18 -

Printing services offered by TCCC a value-added member benefit

- 19 -

Linking TCCC members to affordable healthcare!

- 20 -

PNNL Center is accelerating scientific discoveries

- 24 -

New industrial wastewater treatment plant for Pasco

- 28 -

Building dreams - The B5 Community Learning Center will be a vision of education, innovation, and community building

- 34 -

Index to advertisers



IS PUBLISHED BY

DEL Communications Inc. Suite 300, 6 Roslyn Road Winnipeg, MB R3L 0G5 www.delcommunications.com

PRESIDENT & CEO
DAVID LANGSTAFF

MANAGING EDITOR SHAYNA WIWIERSKI shayna@delcommunications.com

ADVERTISING MANAGER DAYNA OULION

ADVERTISING SALES
COLIN JAMES
MICHELLE RAIKE
ANTHONY ROMEO
GARY SEAMANS

CONTRIBUTING WRITERLISA KOPOCHINSKI

PRODUCTION SERVICES PROVIDED BY S.G. Bennett Marketing Services

CREATIVE DIRECTOR / DESIGN KATHLEEN CABLE

COVER PHOTO COURTESY OF PACIFIC NORTHWEST NATIONAL LABORATORY (PNNL)

© COPYRIGHT 2023

DEL Communications Inc.

All rights reserved.

The contents of this publication may not be reproduced by any means, in whole or in part, without prior written consent of the publisher.

Publications mail agreement #40934510
Return undeliverable Canadian addresses to:
DEL Communications Inc.
Suite 300, 6 Roslyn Road
Winnipeg, MB R3L 0G5
Email: david@delcommunications.com

While every effort has been made to ensure the accuracy of the information contained in and the reliability of the source, the publisher and/or the Tri-City Construction Council in no way guarantees nor warrants the information and is not responsible for errors, omissions or statements made by advertisers. Opinions and recommendations made by contributors or advertisers are not necessarily those of the publisher, its directors, officers or employees.

PRINTED IN CANADA | 10/2023



Cutting Edge Doors with FIRST CLASS SERVICE DOOR COMPANY • DGR Grant Construction **RICHLAND FIRE STATION 73** Architects West • High Speed 4-Fold Doors Hummel Construction FAT CAT SUITES @ KENNEWICK Baker Architecture • Full Vision Glass Doors **Clopay LOADING DOORS & DOCKS** CORNELL



A message from the executive director of the TCCC SCOTT HOWARD

PHOTO COURTESY OF THE TRI-CITIES AREA JOURNAL OF BUSINESS.

There are significant changes ongoing in the construction industry. One development we've observed pertains to how bids are being procured. An increasing number of government agencies are veering away from the traditional bid process. There is an increase in the utilization of small works, consultant, or vendor lists to solicit bids. Furthermore, some agencies are mandating the purchase of documents, and for contractors it may be a requirement to submit a valid bid. Our policy is to purchase these documents whenever possible, to provide our members with comprehensive access to a project's details and related documentation. We want to ensure your company has ample opportunity to assess a project before preparing a bid. We hope this is especially beneficial for those projects that have an additional fee for electronic bid submissions.

As a plan room, we are no stranger to these sorts of changes and it's our ability to adapt that keeps us going, which is what we are here to do for you. To keep you going. It's your membership that keeps the lights on and it's up to us to help you do the same. We are here to help your business succeed. What that success is, can mean a little something different to each of us, which is why we continue to add to and improve the services we offer.

So, what does your business need from us? I anticipate that there are still some significant challenges that you may be facing. The shortage of skilled labor throughout the industry is ongoing. Costs continue to rise and not just for materials, but employee wages too. While better wages may attract more people into the workforce, a significant investment in training and development is needed to provide these workers with the skills they need to succeed. If there is something more you think we can do to help you navigate these challenges, please don't hesitate to reach out with your thoughts.

As for what our association currently offers, there is more that we do than just post bid opportunities to the Virtual Plan Room. We offer competitive flat-rate pricing on the printing of large- and small-format documents, which

includes full color and binding at no extra cost. While a lot of processes are going digital, there are those that still prefer doing their takeoffs on a physical plan set. We welcome the opportunity to do that printing for you and we keep the ordering process simple, quick and efficient.

If you haven't yet, I encourage you to check out the programs we offer. The Retrospective Rating Program is a safety incentive program offered by Washington L&I that offers refunds of insurance premiums as a reward for creating safe work environments. The Employee Benefits program is how we look to provide quality and cost-effective health plans for the local construction community. I'd love to hear any feedback you have if you've participated in any of these programs. There is certainly more that we can do and offer and I'm always exploring the options for new programs or services that add beneficial value to your membership. More information can be found at the following link: www. tricityplancenter.com/programs/.

We have also made significant progress in evaluating our options for an upgrade to the Virtual Plan Room service. There have been some new and modified features to the current platform that we don't want to lose though, so there is some groundwork that needs to be laid before we decide on making a switch. The goal is to not only maintain existing features but to add and improve upon what is available now. If you have any feedback on the current state, please don't hesitate to reach out!

If you are a member reading this, I greatly appreciate your continued support! If you are not a member and want to hear what the Tri-City Construction Council is all about, please don't hesitate to call, email, or drop by the office. My staff and I are available to answer any questions you may have. We now offer two-week free trials, in-office demos of the online plan room service, and customer support in-person or remotely. Our responsibility as your local plan room is to help your business succeed. Whether you are a current, past, or prospective member, please know that we are here to help in whatever way we can.



DOING WHAT WE LOVE FOR A LIVING!



RESIDENTIAL • COMMERCIAL EIFS STUCCO SERVICE • EXTERIOR STONE

IF YOU ARE LOOKING FOR QUALITY OF WORK YOU ARE AT THE RIGHT PLACE. Universal Plastering2 has built it's reputation on building unique quality work that we here at Universal Plastering2 consider an art.



Universal Plastering2 LLC

23919 S. Haney Road, Kennewick, WA 99337

T: +1-509-572-2340 F: +1-509-572-2657

E: office@universalplastering2.com

www.universalplastering2.com



A year ago, the administrative contact of each member of the TCCC was sent a link to what was intended to be the first of a series of planned surveys. Unfortunately, things did not quite go according to plan. The initial questions presented were meant to help us understand what current services companies are aware of and

to gauge what additional services may be of interest. This survey series has been rebooted and the initial one has already been sent out. Participation for the initial survey is limited to one person per member company. Surveys open to additional participants and non-members are being considered for the future.

These surveys from TCCC will have the option to be submitted anonymously. Companies that are willing to disclose their contact information will be entered into a draw for a free quarter of membership dues. Based off the nearly 50 submissions received last year, two members were selected from the drawing. Even if your firm participated in last year's survey, you are still eligible to win.

For future surveys, the TCCC may gather feedback on the Virtual Plan Room, printing services, or the current programs that we offer. As your local Tri-Cities area plan room, we want to help your company succeed in the construction industry. If you have not received links to any of the surveys, please email scott@tcplancenter.com to verify your administrative contact information. As a non-member, please visit our website www.tricityplancenter. com for more information on the services we currently offer.

MID-COLUMBIA COMMERCIAL DOORS, INC

Lock Sets, Closers, Wood Doors, Hinges, Commercial Hardware, Exit Devices, Access Panels, Hollow Metal Doors & Frames, **Bathroom Accessories & Partitions**

6174 W. Van Giesen, West Richland, WA 99353

(509) 967-1475

www.midcolumbiacommercialdoors.com



SERVICE YOU CAN BUILD ON.

ALLWEST is a premier, full-service, professional engineering, environmental, and construction materials testing firm serving the Inland Northwest.



TALK TO US

Tri-Cities
1798 Fowler St., Richland, WA
509.870.0187
tricities@allwesttesting.com

TCCC Annual Scholarship Golf Tournament



The Tri-City Construction Council hosts a golf tournament annually to provide scholarships to deserving students. For the 25th annual event, five students were each awarded \$2,500. Thank you to everyone that was able to participate, and a special thanks goes to all the hole sponsors, as these sponsorships help us raise the majority of the scholarship funds each year. The list of sponsors is available on our website at www.tricityplancenter.com/scholarship-golf-tournament/.

Each year, the scholarship committee selects winners based upon the following criteria: academic achievement, community and school involvement, financial need, leadership potential, and relationship of the student's field of study to the construction industry.

Over the past 25 years, a total of \$177,000 has been awarded to students!

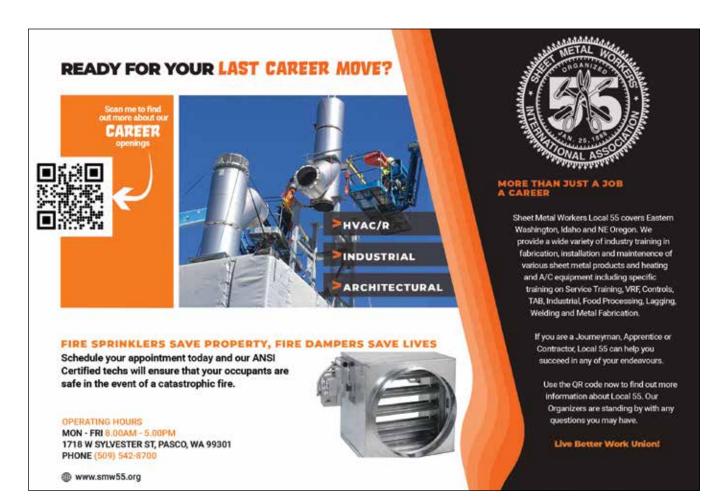




Congratulations to all the following students who were each awarded a \$2,500 scholarship in 2023:

- Tanya Salas
- Karlie Logan
- Mack Bland V
- Jennifer Gutierrez
- Camden Howard

To be eligible to apply for next year's scholarship, one must be currently enrolled or planning to enroll in an accredited public or private college, university, or trade school. The criteria, application process, and deadline will be announced by February 2024. You can sign up to the Tri-City Construction Council's Announcements and Events newsletter at the following link: www.tricityplancenter.com/connect to be notified when the application process opens.









EVENT LISTINGS

The Tri-City Construction Council (TCCC) holds a number of events throughout the year. These events are great networking opportunities for members to connect with industry professionals, learn about the latest trends and technologies, and foster collaborative relationships that can benefit their businesses and careers.

TRI-CITY CONSTRUCTION COUNCIL (TCCC) ANNUAL HOLIDAY PARTY

Friday, December 1, 2023

It's the holiday season... are you ready for some magic!? The TCCC shook the snow globe to do something a little different for its members this year. There will be a live performance by Dewayne Hill, comedy magician. Join the Tri-City Construction Council and Dewayne for an evening of drinks, dinner, and magic. The event is also a great way to host a holiday party for your office. The TCCC does the party planning so that you can relax and revel in the festivities.

With tables for eight and up, you can reserve several to accommodate a larger staff. There will also be a number of prizes to be won this year, so don't miss out!

If you have any questions or feedback from previous attendance, email scott@tcplancenter.com!

TRI-CITY CONSTRUCTION COUNCIL (TCCC) 26TH ANNUAL SCHOLARSHIP GOLF **TOURNAMENT**

To Be Announced (May 2024) -Registration Opens April 2024

Canyon Lakes Golf Course, Kennewick, WA

The annual golf tournament is a popular tradition that helps us provide scholarships to deserving students! Support can be provided by either reserving a team of four players or by sponsoring a hole. Please note that team registration will require at least one-hole sponsorship. Team registrations include green fees, a cart, range balls, drink tickets, raffle ticket, dinner and a goodie bag. Additional raffle tickets are available to purchase for a chance to win one of many prizes!

Hole sponsorships include a full-color sign on the course with your company name and logo, which is also displayed on event materials. Your support will also be recognized on our website where we announce the scholarship winners.

Please note that this is a very popular event and team slots fill up very quickly! Registration may transition away from emailed sign-up forms to an online service this year in order to handle the first-come, first-serve signup process in a more efficient and automated manner. Members in good standing with the Tri-City Construction Council will receive priority access to the event.

For information on all events hosted by the Tri-City Construction Council, be sure to subscribe to the Announcements and Events newsletter. You can opt into these emails via www.tricityplancenter.com/connect

where you will also find our hours of operation and contact info.



WE OFFER FULL-SCOPE COMMERCIAL ROOFING & CLADDING.

24/7 Emergency Call Center 1-877-856-8566

4414 S. DOWDY ROAD, SPOKANE, WASHINGTON 99224

509.455.4043 flynncompanies.com

VALUES IN ACTION

More than just words on a wall, our values speak to who we are, the ideals we hold in high esteem and the behaviors that demonstrate our unique culture.

Put People First

- ✓ Respect and encourage all perspectives

Build Trusted Partnerships

- ⊗ Be fiscally responsible
- ✓ Listen to understand

Be Constantly Curious

Make a Positive Difference

- ${f arnothing}$ Better the lives of others for stronger communities
- Advocate for the next generation
- ✓ Care for the earth





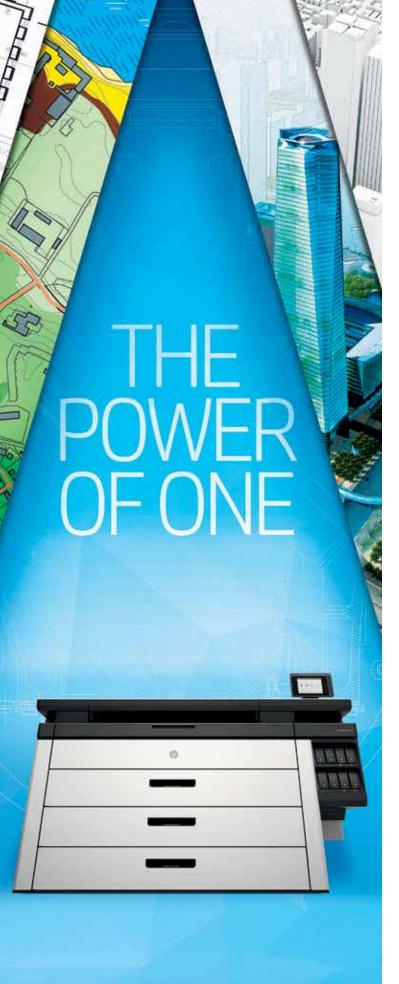
OUR VISION

Together, Building a Thriving Planet

OUR MISSION

To Make Every Building We Touch More Efficient

Phone: 509.792.1075 www.mckinstry.com together@mckinstry.com



The HP **PageWide XL 5100**

The Tri-City Construction Council's HP PageWide XL 5100 printer allows us to offer highly competitive pricing on large-format color drawings. Members of the association will receive the benefit of flat-rate color printing at no extra cost on all standard technical drawings that contain lines and partial page renderings. Technical drawings or posters containing large- or full-page renders may be subject to a price adjustment due to a higher volume of ink used. For more information on pricing and a full list of printing services offered, please visit www.tricityplancenter.com/print-copies.

EFFICIENT

Blueprint orders are typically printed immediately upon receipt for a quick turnaround time during operating hours. Our large-format printer can produce 20 D/A1 (24x36) pages per minute.

QUALITY

Expect a new standard for technical documents, with a print quality at a constant 1200 DPI, drawings will have crisp lines and text, smooth grayscales and vibrant color. HP PageWide XL pigment inks are certifiably permanent under the ISO 11798 standard, concerning fade-resistance and durability of writing, printing and copying on paper. This is a rigorous industry-standardized test method proving that plain paper prints made using HP inks will withstand harsh exposure to light, water, abrasion and handling, and long-term storage and heat, while still being legible in the future.

OPTIONS

We are continuing to assess the needs of our members and anyone else in the construction industry. In the future, we are looking to offer additional media types beyond our standard 20-lbs. bond paper. Water- and tear-resistant polypropylene and glossy or satin poster paper are a couple of options we would like to offer if there is interest in us doing so. Enlargement or reduction of drawing size is available upon request, but please note that scale is not guaranteed on orders that request a change in size for printing.



Creating a vibrant, regional town center

Vista Field is 103-acres at the commercial core of the Tri-Cities, Washington. The development is near Columbia Center Mall, and adjacent to the City of Kennewick's Vista Entertainment District, which includes the Three Rivers Convention Center and the Toyota Center.



Port of Kennewick's Vista Field redevelopment project aims to establish a vibrant, regional town center to foster visitation and entrepreneurial ventures, as well as create new jobs, new living options, civic amenities, entertainment, and recreation opportunities that everyone can enjoy. Small-scale city blocks with pedestrian-friendly neighborhoods, a mix of work and open spaces, residential, restaurants, and shops are essential elements.

The Port constructed the roads, utilities, linear parkway, pedestrian bridges and water features which opened the first 20 acres to development and created 21 shovel-ready parcels for sale to the private sector.



Phase one infrastructure is complete; 21 shovel-ready parcels now available



Conceptual of Phase One at build-out with private-sector investment

The Port of Kennewick is acting as master developer and is now selling parcels to bring mixed-use development to the site. The Port will use those funds to construct future phases until the entire 103-acre site is complete.











Did you know that being a member of the Tri-City Construction Council gives you the benefit of color printing on large-format construction blueprints at no extra cost? We offer competitive, flat-rate costs on all standard technical drawings that contain lines and partial page renderings. Technical drawings or posters containing large page renderings may be subject to a price adjustment due to ink usage.

Members can order drawings online directly within the Virtual Plan Room or anyone can email us files directly to printorders@tcplancenter.com. If your email service doesn't allow the sending of attachments over 20 MB, you can use our MailBigFile service at www. mailbigfile.com/tricityplancenter. Orders are typically printed immediately upon receipt for a quick turnaround time during our hours of operation.

Our intent is to keep our blueprint prices fair, simple, and competitive. The TCCC offers large-format blueprints, black and white, or in color at a cost of \$2 per sheet on any drawing size between 12" x 18" up to 36" x 48" for all drawings with standard lines and partial page renders. We'll even staple your order with a binding strip at no extra charge.

For more information on pricing and the full list of printing services we offer, please visit www.tricityplancenter.com/print-copies/.





OUR LEADS. YOUR OPPORTUNITIES.

LINKING TCCC MEMBERS TO AFFORDABLE HEALTHCARE!



GROUP ELIGIBILITY GUIDELINES

- Must be a qualified TCCC Member in good standing
- Must identify as General Contractor, Subcontractor, Construction Material Supplier or an Affiliated Trade
- Must maintain a valid Washington contractor license or affiliated trade registration/license equivalent
- Must enroll two (2) or more benefit eligible employees



TRUSTED CARRIER PARTNERS

- Premera Blue Cross Medical & Dental plans
- Ameritas Life Vision plans
- MetLife Basic & Voluntary Life/AD&D
- WellSpring Employee Assistance Program (EAP)
- Colonial Life Voluntary & Worksite Benefits



COMPREHENSIVE BENEFITS

- 20+ PPO, HSA & HMO Medical plans
- Contributory & Voluntary Dental plans
- Contributory & Voluntary Vision plans
- Embedded Basic Life/AD&D & EAP benefits
- Bundle Discounts & First Renewal Caps
- Dual Medical Plan offering



SIMPLIFIED ADMINISTRATION

- Online enrollment platform, consolidated billing and single electronic payment
- Full-service COBRA administration
- Employer compliance support including Wrap Document, notices, disclosures and filings
- Four-tier composite rates

PARTNERING WITH THE NORTHWEST INDEPENDENT PLAN CENTER ASSOCIATION





PNNL Center is accelerating scientific discoveries

Spanning 140,000 square feet, this impressive award-winning Energy Sciences Center was completed in early 2022

By Lisa Kopochinski

Due to the strong partnership among Pacific Northwest National Laboratory (PNNL), the Department of Energy, and the design/build team, the new \$90 million PNNL Energy Sciences Center in Richland, Washington was completed in January 2022 ahead of schedule, under budget, and executed safely under rigorous COVID-19 protocols and smoke from wildfires.

Spanning 140,000 square feet, the Energy Sciences Center (ESC)designed and constructed by Kirksey Architecture and general contractor Harvey-Cleary-will accelerate scientific discovery in chemistry, materials science, and computing. The ESC is also providing a 28 percent increase in the amount of laboratory space available for conducting physical and computational science.

Currently serving as a Department of Energy Office of Science signature lab on PNNL's main campus, this new facility will help enable a clean energy future through advances in fundamental chemistry and materials science to drive the development of higher-performing cost-effective catalysts and batteries, and other energy efficiency technologies. And, with cutting-edge capabilities in advanced electron microscopy, X-ray spectroscopy, and magnetic resonance methods, researchers will be able to accelerate the production of high-value sustainable chemicals and biofuels from waste carbon and other sources.

"The ESC is accelerating innovation in energy research using chemistry, materials science and quantum information sciences supporting the nation's climate and clean energy

research agenda," said Lou Terminello, associate laboratory director of the Physical and Computational Sciences Directorate in a statement. "The ESC is providing worldleading essential capabilities and a collaborative environment for accelerated scientific discovery to enable decarbonized fuels, more efficient generation and utilization of hydrogen, and next-generation energy materials."

Focusing on climate change will continue to be a big focus, as the center was specially designed to aid in this research.

"The research we are doing in ESC focuses on discovering new routes to chemical conversions and developing new materials for energy storage, which complements the work PNNL has performed for decades," said Karl Mueller, chief science and technology officer for PNNL's Physical and Computational Sciences Directorate in a statement. "We are better equipped to make new scientific discoveries that contribute directly to efforts to avoid climate change."

PROJECT HISTORY

General Contractor Harvey-Cleary has actually been working on the PNNL campus on and off for the past 20 years on different projects.

Scott Sanders, Harvey-McCleary project manager, says that the initial RFP for this project came out in February 2018, which is when they started working on the project.

The Harvey-McCleary team worked with Kirksey Architecture, JUB Engineers, and Arup on this state-ofthe-art facility. Construction started in February 2020.

ALL DOORS INC

RESIDENTIAL • COMMERICAL • INDUSTRIAL

- Automatic & Manual Entry Systems
 - · ASA Compliance Work
 - Expert Installation & Service
 - · Broken Springs Replaced

Distributor of Horton Automatics



Service & Repair All

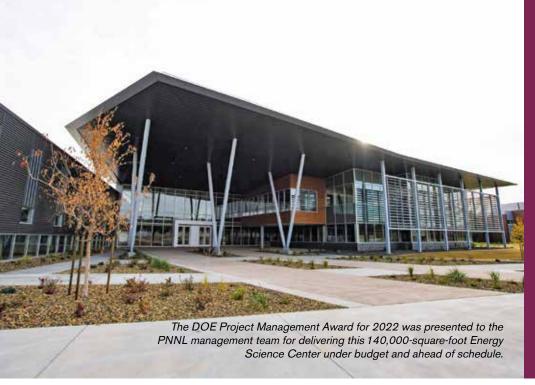


Over 35 years of Experience since 1984

221 South 5th Pasco P.O. Box 1411 • Pasco, WA 99301 Contractor No. ALLDOI*163KD

Derwin Doescher, Technician (AAADM) Certified Ph: (509) 547-2158 Fax: (509) 543-3695 alldoorsoffice@gmail.com





"The ESC will accelerate innovation in energy research using chemistry, materials science, and quantum information sciences supporting the nation's climate and clean energy research agenda."

- Lou Terminello, Association Laboratory Director

"One of the largest challenges in working on a project of this nature is that science is always changing and the desire to have the most flexible facility that can adapt to future technologies and research is difficult," explained Sanders. "Our team was able to overcome most of these challenges by utilizing flexible systems during the design and construction to be able to be modified relatively easily with little time impact."

BUILDING FEATURES

Kirksey Architects began programming and design work in early 2019.

"As with any project with defined parameters, scope and a fixed budget, completing the design and getting the users the space they need is always challenging," said architect Brian Richard, executive vice president, director of Science & Technology Projects at Kirksey Architectures in

Houston, Texas. "We addressed this by hosting many laboratory design meetings to review options for outfitting each specialized lab space to determine the best fit for specific scientific studies, and the overall balance of what's needed in the building."

Richard said there are many special features of this building that stand out including the iconic "V" columns on the exterior of the building and under the landmark canopy entrance.

He adds that the "V" columns are an abstraction of the PNNL logo. Once inside, there is an impressive lobby with meeting spaces, a "Science Stage" with an elevated view deck, food service, and design elements that feature the "story of science" as it relates to the research at ESC. On the technical side, there is a complex interstitial space to allow building infrastructure to be maintained over time, a Heat Transfer building that makes the campus more sustainable, and the labs themselves are designed in such a way to feature and highlight the science that is happening within.



#1 TRUSTED & RECOMMENDED WINDOW & DOOR BRAND

Our time-tested 400 Series products offer beauty, performance and durability. That's why for over 24 years running, builders have used Andersen® windows more than any other brand. * *

> ANDERSEN LOVE THE LIFE YOU SEE:

Learn more at andersenwindows.com/400series



(509) 586 -1177 perfectionglass.com Serving Tri-Cities, Walla Walla & the Surrounding Area for over 40 years WE'RE HERE FOR YOU!

The design-build team collaborated to deliver a signature research facility that focuses on the following: experimental and computational research programs; facilitating innovation in chemistry; catalysis' materials science; energy; and quantum sciences.

The team also worked closely to ensure that it was specifically tailored to the DOE's and PNNL's vision of flexibility, efficiency, sustainability and collaborative research.

Featuring research laboratories, flexible-use open space, conference rooms, and offices for 250 PNNL researchers, visiting scientists and engineers, and support staff, the facility is designed to foster collaboration and to allow for the application of new knowledge

to advance energy technology development.

Designed to meet DOE's High Performance Sustainable Buildings standards, the standalone facility connects several buildings on campus and utilizes data center waste heat to support the ESC and future buildings. It also features an energy- and water-reducing design that incorporates natural light, and pipes in waste heat energy generated by high-performance computers in a nearby building.

This project lays the groundwork for a future heat-sharing network that can be part of the broader campus infrastructure. It also positions PNNL to develop and lead emerging research areas of DOE and the U.S. now and into the future.

An award-winning project

This PNNL Center is so impressive that the project team was awarded the Project Management Achievement Award for 2022 from the Department of Energy.

The prestigious award was signed by Energy Secretary Jennifer Granholm and presented this past April on PNNL's campus in Richland, Wash.

Additionally, the Secretary's Achievement Award was presented to the team that worked on this project who were honored for demonstrating significant results with cost and schedule.

"This honor is positive recognition of the entire team that worked on the ESC project, as none of this would have been possible without the cumulative effort," said ESC project manager Lanson Oukrop.

Architecture | Civil | Structural | Mechanical | Electrical







Architecture

- Property Development
- ADA/Code Compliance
- Tenant Improvements
- Building Code Evaluations/Reports
- Feasibility Studies
- Construction Administration

Mechanical Engineering

- · Life Cycle Cost Analysis
- Feasibility Studies
- HVAC Systems
- VRF Systems
- Central Chiller Plants
- · Central Heating Plants

Civil Engineering

- Site Analysis
- Construction Administration
- · Parking Lots
- Stormwater Management
- Site Civil Engineering
- Permitting

Electrical Engineering

- · Electrical Power
- Building Lighting Design
- · Arc Flash Hazard Analysis
- Photovoltaic Design
- Construction Services

Structural Engineering

- Existing Buildings Structural Evaluations
- Foundation Designs
- · Retaining Walls
- . Concrete, Masonry, Steel, Wood, and Aluminum
- Tank Foundations
- Value Engineering



12 W. Kennewick Ave., Kennewick, WA 99336 | 509.735.1589 | www.meierinc.com

New industrial wastewater treatment plant for Pasco



This new center will support the growth of the city's booming agribusiness sector while turning wastewater into clean energy and more

By Lisa Kopochinski

With a completion date set for late 2024, the design of the new \$122 million Pasco Resource Recovery Center (PRRC) in Pasco, Washington is well underway.

A partnership between Burnham RNG and the City of Pasco, the new PRRC will expand the city's industrial wastewater treatment capabilities and turn the industrial water process into clean water, generate renewable natural gas and help the region grow agribusiness jobs.

City of Pasco Public Works Director Steve Worley said not only will it give Pasco the capacity to serve the growing needs of numerous food processors through a state-of-the art facility, but it



A rendering of the new Pasco Resource Recovery Center (PRRC) in Pasco, Washington. Rendering courtesy of Swinerton Builders.

will also be a boost for the community at large and pay significant dividends through job creation.

"The ability to create clean renewable gas helps to reduce the net cost of

the necessary wastewater treatment and creates opportunities for future economic development by attracting businesses with carbon-conscious priorities."

He added that the PRRC will offer the ability to not only treat industrial food processor wastewater, but to do it in an industrial symbiotic way.

"This means the waste from the food processing industry can be used to create a beneficial product in another industry. In this case, renewable natural gas and algae-based fertilizer," said Worley.

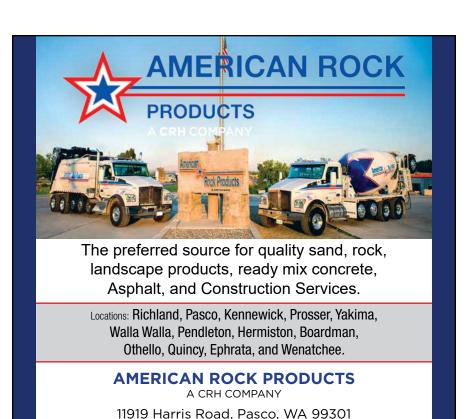
A statement released in June by Burnham RNG (Renewable Natural Gas) read that:

This project represents a 30-year public private partnership with the City of Pasco for Burnham to build, own and operate the PRRC on behalf of the City. The RNG will be sold under a long-term contract, allowing the City to reduce net treatment costs and take advantage of tax incentives currently available for RNG projects under the Inflation Reduction Act. The center will support the growth of the City's booming agribusiness sector while turning wastewater into clean energy and providing clean water and nutrients to irrigate and fertilize Cityowned farmland.

A BADLY NEEDED PROJECT

Worley said Pasco began work on the Process Water Reuse Facility (PWRF) pretreatment improvements project in 2017. This is when the City and processors determined that a replacement plant was needed, and expansion of capacity was desired.

"The existing facility is more than 25 years old and has reached its life span. Upgrading the whole PWRF by including the PRRC creates opportunities for industrial symbiosis," said Worley. "Not letting wastewater go to waste is the key fundamental basis for generating a circular economy by utilizing the



CONTRACTING CAN BE TOUGH; GRAVEL DELIVERY SHOULDN'T BE.

509-547-2380

www.americanrockproducts.com





- Crushed Gravel
- Sand Products
- Landscape Rock
- Drain Rock

- ON-TIME DELIVERIES
- · PROFESSIONAL DRIVERS
- ACCURATE PLACEMENT

509-547-2005

Contractor owned. We understand.



Will heard from your

Will haul from your choice of gravel quarry.

ANCHORHAULING.COM





best parts of waste streams. Pasco took this opportunity to not only replace and expand the PWRF, but also incorporate resource recovery opportunities."

PROJECT PARTNERS

The City owns the properties associated with the PWRF and PRRC, and the 1,850 acres of farm circles that serve as the final treatment and disposal of the industrial food processor wastewater.

The City maintains ownership control over the other parts of the PWRF system, including the 300-plus million gallons of new lined winter storage ponds that will hold the processor wastewater through the winter until it can be used for irrigation the following spring.

"Pasco is partnering with numerous companies and agencies on this project," said Worley. "The food processors are our customers and focusing on their needs is paramount. Working with specialized engineering consultant firms, financing companies, and companies with new and exciting treatment technologies allowed Pasco to develop a plan that replaces and expands the PWRF, but in a way that generates revenues that help offset the capital improvements costs to the City's customers."

The project is being constructed under an Engineering, Procurement and Construction (EPC) contract with Swinerton Builders, Inc. Swinerton was brought on board by Burnham RNG in the fourth quarter of 2022. Swinerton Energy, a division of

Swinerton Builders, is the EPC firm entrusted with the design and construction of the center.

"Design for the project began in late 2022," said Aaron Townsend, Swinerton Energy division manager. "Construction started in Q2 of 2023 and will be operational by late 2024."

PROJECT FEATURES

To date, Townsend said his team has been highly engaged in the engineering and procurement phase, focused on acquiring specialty water treatment and gas production equipment.

"This encompasses specialized equipment for advanced processes for algae-based nitrogen removal, a cutting-edge technology developed by Gross Wen Technologies (GWT) that we are excited to implement," said Townsend. "The field has made significant progress, including moving thousands of yards of soil, installing large-diameter influent piping, and beginning concrete foundations and electrical underground."

The project will feature two Evoqua low-rate anaerobic digesters and an innovative nitrogen reduction system provided by GWT. The RNG, which is generated as a byproduct of the wastewater treatment process, will be purchased by Cascade Natural Gas under a long-term contract, and gas sale revenues will be allocated to offset the cost of the project.

The PRRC will enable the reuse of an estimated 1.5 billion gallons of wastewater per year and is estimated to produce enough RNG to supply more than 4,500 Washington state residential consumers each year with a source of natural gas that is both clean and renewable. Burnham worked closely with Sustainable

Energy Ventures LLC, a Pacific Northwest-based project development company, on the project.

"We are focused on ending emissions from waste," said Burnham CEO Chris Tynan in a statement. "Wastewater is a source of clean energy, clean water and organic nutrients that can be captured and sold to reduce net wastewater treatment costs and improve environmental outcomes. The PRRC is an example of how a public private partnership structure can help municipal leaders navigate the complexities of the RNG world, manage risk, and capture the benefits without needing to invest in new commercial and operational capabilities."

PROJECT CHALLENGES AND **BENEFITS**

To date, the project's timing is a crucial factor in this project.

"The demand for water treatment is rapidly growing, prompting a swift response."

– Aaron Townsend, Swinerton Builders

"The demand for water treatment is rapidly growing, prompting a swift response," said Townsend. "The delivery approach is tailored for swift project completion. Fortunately, we are privileged to work alongside excellent partners fully equipped and committed to tackling this challenge."

The construction expenditures for the PRRC are estimated to generate more than \$200 million in economic output, support over 1,000 jobs, and pay approximately \$85 million in labor income across Washington state.

Further, economic stimulation is expected from project construction outside of Pasco in the Tri-Cities and across the state. Once in operation, the project is expected to support

approximately 25 jobs.

Perhaps Worley summed things up best when he said the PRRC represents a significant investment in the future prosperity and sustainability of the region.

"Not only will it give us the capacity to serve the growing needs of food processors through a state-of-the art facility, but it will also be a boost for the community at large and pay significant dividends through job creation," said Worley. "The ability to create clean renewable gas helps to reduce the net cost of the necessary wastewater treatment and creates opportunities for future economic development by attracting businesses with carbon-conscious priorities."



Grading, Paving, Crackfilling, Sealcoating, and Concrete Serving Tri-Cities WA and surrounding areas

- Necessary for the paving process to ensure proper elevation and compaction of your subgrade prior to laying asphalt
- Not only do we provide grading services for your future asphalt, we also provide services for gravel, recycled asphalt, dirt, and sand to meet any of your needs.

Why Asphalt? Driveways, patcing, parking lots, etc.

- Asphalt is not only afforable but is durable, with a 15-20 year life span.
- Asphalt is 99% recyclable which makes it Americas most recycled product

- maintenance (Low Cost)

 Crackfill fills in voids (cracks) within your asphalt to prevent water from reaching your subgrade and causing potential subgrade failure
 - Sealcoat acts as a barrier to protect your asphalt from potential damage caused by the sun or water
 - Sealcoat will make your asphalt look brand new

- Customize your concrete by coloring or stamping













The B5 Community Learning Center will be a vision of education, innovation and community building

By Shayna Wiwierski

Refugees in the Kennewick area will soon have a new learning center to integrate them into the community.

The B5 Learning Center is currently under construction at 715 South Jean Street in Kennewick. The organization delivers educational classes and afterschool programs for refugee families as a bridge to their success. To date, they have helped more than 2,000 newcomers learn, grow and thrive.

The B5 Learning Center was initially founded in 2009 when Theresa

Roosendaal, executive director, went on a compassionate journey as a volunteer mentor for refugee families. The experience ignited a desire to assist newcomers into the Tri-Cities area and help them integrate and thrive in American society.

The new 4,374-square-foot building will replace their former center, which was housed in a 750-square-foot twobedroom apartment.

"We grew out of a church ministry with basically a desire to work with the

refugee community," says Roosendaal. "We went and found this apartment so we could serve them better. We have grown over the years and mostly the work we do is education related. We also have an English class for adults. We do a lot of stuff with kids, like after-school programs and tutoring for high school students. We have grown and right now we are in a twobedroom apartment and we needed our own space so we can do things better."

The organization received the land



The B5 Learning Center is currently under construction at 715 South Jean Street in Kennewick.

from the Family of Faith Church, which had purchased it prior to the COVID-19 pandemic and planned to build on it. B5 ended up being gifted the land from the church and relied on community support and state capital funding to fundraise the \$2.1 million to build the center.

Construction started on the project in the third week of July 2023 and they are aiming to be complete in February or March of 2024. The building is located in the same area that they have been working in so they can continue to serve the community.

"We wanted to be able to stay in that area so we are accessible to the people that we serve, so they can walk to the center for classes and programs. That was a high priority for us," says Roosendaal. "There were other people that said 'why don't you buy a house and refurbish that?' We aren't in a huge metropolis or anything, but there is a significant four-lane street that kids take coming home from school; we don't want them to not have crosswalks, things like that. It narrowed down the areas to choose from and the ones we wanted to be located in and accessible."

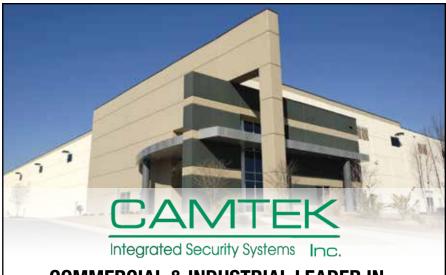
The one-story building, which was designed by Archibald & Company Architects out of Richland, will include a large office that will accommodate multiple employees. It will also have a dedicated child care space, which

will also be used for adult English classes. In addition, there will be a large kitchen which they can use for events and teaching purposes and Roosendaal mentions that the teaching goes both ways, as they offer food-sharing events where participants feel like they have a partnership and community.

There will also be two dedicated classrooms and one large gathering space which can be divided into another larger classroom and a smaller gathering space. They wanted to make a space which is able to accommodate up to 75 people for dinners, presentations, and other related events. Finally, there will be an outdoor patio and a computer lab.

Elite Construction + Development are the general contractors on the project. Duane Inman, senior project manager, mentions that the center will have a few unique features in the building.

"The features that stand out include the exterior door that goes to the backyard, which is a foldable glass door with a 12-foot opening once it's completely open," says Inman. "We also have a movable interior wall which



COMMERCIAL & INDUSTRIAL LEADER IN...

- Fire Alarm Systems
- Security Systems
- Access Control
- Video Surveillance
- Member of the Better Business Bureau and Associated Builders & Contractors

Offices located in Spokane and Kennewick Washington 888.443.2609 • www.camtekinc.com

Washington State Limited Energy Electical Contractor #CAMTEI001DP



The building will feature two dedicated classrooms and one large gathering space which can be divided into another larger classroom and a smaller gathering space.

can be opened up to enlarge the common area or closed to create an additional classroom. The building will also be prewired for future expansion for solar panels to be placed on the roof."

Since the building's footprint isn't that large, they will share a parking lot with the next-door Boys and Girls Club. The front will, however, will have handicap parking.

Once the center is officially complete and open early next year it will be a place where newcomers can feel comfortable and call their own.

"Our goal of B5 is to be a welcoming place for people in the community, where they can find friendship, develop relationships and find the help they need to thrive in their new home," says Roosendaal. "I think having this space, this building, we have a place that people from many different places in the Tri-City area has donated money towards. Whether it's people from the religious community or people in general who have a heart for what we are doing... it's a worthy cause. That's the heart of what we are trying to do; trying to move the Tri-Cities towards that kind of welcoming posture towards newcomers." A



Need hosting?
Need web design?
Need a domain name?
Email addresses?



mic@delcommunications.com www.hosting.delcommunications.ca

The Tri-City Construction Council

Retrospective Rating Program







Earn a refund on your L&I premium for workers' compensation

Group retrospective rating programs, also known as "retro," are safety incentive programs offered by the Washington State Department of Labor & Industries (L&I) that provide refunds of L&I premiums for workers' compensation insurance as a reward for creating safe work environments.

For over 30 years, Archbright has managed one of the largest and highest performing retro groups for manufacturing companies in the state.

Since 2007, Archbright has administered the Tri-City Construction Council retro program and has become a trusted resource for workers' compensation services.

Why join the TCCC Retro Program?

- We specialize in managing the whole situation—not just the claim
- We return all refunds to the group and distribute them based on merit
- We administer L&I's Stay At Work submissions as part of our program and have helped return \$6 million in reimbursements to our members since 2011

Want to know if you qualify for the program? Contact us to fill out an authorization form today.

www.tricityplancenter.com/retro-program





Reduce Injuries and Increase Productivity

Successful participation in retro requires your commitment to improving safety through accident prevention measures and effective claims management. We provide on-demand training and resources, on-call safety advice to support your safety programs, and we actively manage every claim to get your injured employee back to work.

As a member of TCCC's retro program, you receive:

On Demand Safety Support

Accident prevention is the cornerstone of every successful safety program. We provide the support participants need to satisfy the requirements of industrial health and safety regulations and reduce accidents.

This includes unlimited access to:

- Our one-of-a-kind Safety Hotline, available via phone or email, every business day, to answer your important safety and workers'comp questions.
- An online Resource Library of safety and HR forms, sample policies and programs, training materials, and guidelines vetted by Archbright's safety, workers' compensation, HR, and legal teams. Download and customize resources at any time.
- A Video Training Library with on-demand trainings covering a variety of safety, workers' compensation, supervision, and management topics. Your retro participation comes with 100 learner seats to assign valuable trainings within your organization.

Claims Management

We understand expensive claims aren't necessarily safety issues, they might be people issues. Our claims team will actively manage every claim, from beginning to end, for you.

- We receive all L&I correspondence, take necessary action, and advise you on next steps for the life of the claim.
- You get direct access to your dedicated team of experienced claims managers.
- We review all orders for accuracy and, if necessary, will protest or appeal on your behalf.
- We leverage our experience to evaluate all claims, looking for patterns and cost containment strategies.
- With our online workers' compensation claims tracker, you recieve 24/7 access to all claims we manage for you. You can track progress of claims and quickly download information for reporting.

Want to learn more about our program? Contact us today.

206.329.1120 | 509.381.1635 | Info@Archbright.com



INDEX TO ADVERTISERS

All Doors Inc21	GSS Fabrication, Inc	3
All Service Asphalt, LLC27	McKinstry Co., LLC – Pasco	15
Allwest Testing & Engineering, Inc11	Meier Architecture • Engineering	23
American Rock Products25	Mid-Columbia Commercial Doors, Inc	10
Apollo Mechanical Contractors5	Mountain States Const. Co	18
Basin Pacific Tri-CitiesIFC	NW Construction Supply	Z
C&E Trenching25	Northwest Concrete Leveling	OBC
Camtek Inc29	Paynewest Insurance	IBC
Continental Door Company7	Perfection Glass	22
D&D Tri-Rivers Excavating, Inc13	Port of Kennewick	17
Ellison Earthwork, LLC13	Sheet Metal Workers Local #55	13
Flynn Companies15	Universal Plastering ² , LLC	0





MarshMcLennan Agency

Let us reintroduce ourselves.

PayneWest Insurance is now Marsh McLennan Agency.

Our risk control team, industry-leading Surety colleagues and agents know a thing or two about the way you do business. Our Construction Risk and Surety agents understand your business. We customize customize every policy to make sure you have the right coverage.

Contact Mike today to learn more.

Mike Button (509) 946-2616 MButton@PayneWest.com

MMANorthwest.com/Construction

390 Bradley Blvd Richland, WA 99352 (509) 946-6161



NORTHWEST CONCRETE LEVELING

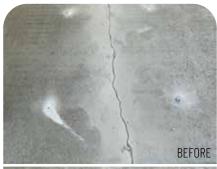


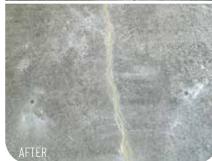
















CONCRETE LEVELING & LIFTING

• PolyLevel Injection • Concrete Lifting • Interior Slab Leveling • Lift & Level

COMMERCIAL & RESIDENTIAL CONCRETE REPAIR - INDOOR/OUTDOOR

- Concrete Repairs Lift and Level / Void Fill Surface Sealant
- Joint/Crack Repair Warehouses Driveways/Garages
- Sidewalks / Stoops Pools/Patios Etc.

Scan the QR code to visit our website!

