A DIGITAL MAGAZINE FOR
CLIENTS AND FRIENDS OF
R.E. WARNER & ASSOCIATES

Excellence BY DESIGN

R.E. Warner Professionals **Benovic** and **Kalin** *ENR Midwest* Top Young Professionals

R.E. WARNER
& ASSOCIATES INC.

ENGINEERS
ARCHITECTS
SURVEYORS
CONSTRUCTION MANAGERS

SPRING 2018

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ON THE COVER: ***Engineering News-Record*** Midwest named the 2018 class of Top Young Construction and Design Professionals under the age of 40 who have built extraordinary industry portfolios, donated significant time and expertise to serve their communities, and worked on innovative solutions that saved time and money on their projects. Among the 21 selected young professionals were R.E. Warner's own Matt Benovic and Jennifer Rowles Kalin. Read the story on pages 14-17.

PRESIDENT'S MESSAGE

by Ted Beltavski, MS, PE

OUR TALENT DEFINES WHO WE ARE AS A COMPANY

A consulting engineering/architectural firm is known for its people. We are as good as the people we hire, train, and nurture.

To see our professionals honored for their achievements in the industry is a testament to their communication skills, work ethic, and integrity. Congratulations to Jen and Matt for their awards covered in this issue of *Excellence by Design*.

We can see that one of the most important functions we do on a daily basis is recruit new talent for all levels of our organization. The ever-changing landscape of our business makes it vital for us to stay active and current in the marketplace. To meet and attract the best professionals into our firm ensures that our clients needs are met on each project we undertake.

I'd personally like to thank all our employees for their attention to detail as they work to enhance their careers. This in turn strengthens our firm and allows us to act as valued partners to our clients.

PERSPECTIVES & INSIGHTS

VALUE OF YOUR A/E CONSULTANT

RECOGNIZING THE VALUE OF YOUR ENGINEERING/ARCHITECTURE CONSULTANT

This article is by Matt Benovic, PE, SE, LEEP AP, Senior Project Manager. Matt has played a crucial role in delivering the engineering design for a wide variety of single and multi-discipline projects for several of our firm's top 10 clients. He has demonstrated his ability to execute projects from inception through completion within scope, schedule, and budget, even managing multiple projects concurrently. Recently, Matt was named an Engineering News-Record Midwest 2018 Top Young Professional.

Matt's structural engineering experience includes concrete, steel, masonry and timber design for commercial and industrial projects including equipment foundations, crane girders, premanufactured building foundations and seismic design. He has also designed drives, culverts and drainage systems. In additional to being a licensed Professional Engineer and LEED Accredited Professional, Matt is a licensed Structural Engineer. Obtaining the SE licensure signifies that an engineer is proficient in structural design as regulated by rigorous and increasingly complex design codes and standards set by the government and professional associations.

How do you view the engineering/architecture firms you work with? Are the firms' services just another expense necessary to complete your projects? Or, do you consider the consultants as partners that help to take your facility to the next level?

I ask this question because unfortunately it seems that manufacturers today are moving increasingly closer to perceiving consulting engineers or architects as just another cost of completing projects. In procurement officers' minds, A/E services are a commodity that is interchangeable with internet bidding. This is shortsighted.

When owners procure A/E services by developing a tight scope, it leads to competitive bids on just that—the exact scope laid out in the RFP. But when scopes are bid exact language, the ability of the engineers and/or architects working on your project to serve as collaborators and advisors becomes limited. Think of it like this: Say you had to undergo an operation for a brain tumor. You wouldn't create a scope of work for brain surgeons to bid on and go with the lowest bidder, would you? Further, you wouldn't hinder the doctor's ability to use their experience and expertise to do what is in the best interest of your health, right? And what would happen if you did create a strict scope and the surgeon discovered work that was outside of those parameters once the surgery was underway? Yet in the manufacturing sector, the safety of employees, production of a

new process, and safeguarding of costs of any construction project are routinely put in the hands of the lowest bidder.

Here's how this often plays out. Let's say an owner plans to spend 10% of a project cost up front on engineering. During the consultant selection, there's a cost variance of 25% between two firms. The variance in overall project cost is thus 2.5%. The procurement officer ends up selecting the firm charging the least. As the project proceeds, the consultant misses several interferences because, in order to be the lowest bidder and cover their costs, they had to place strict time constraints on the project, inhibiting the QA/QC process. Further, the construction scope was not fully developed in partnership with the owner.

Even at 10% of construction cost, the owner is now paying an additional 9% of the project fee on construction items that are not bid. What has happened here is they've stepped over dollars to pick up pennies. At R.E. Warner, we see this happening more and more often. Instead of spending the extra money on a partner during design, companies are routinely opting to save 10-15% on engineering, not realizing the price paid later on in increased construction costs.

On the other hand, manufacturers could hire an A/E consultant on as a partner. In this scenario, they may spend roughly 10% of the project cost up front on engineering, but work with a partner focused on creating drawings and documents that can save money during the 90% budget phase of the project. Even better – the consultant may catch a process improvement that can be implemented during design to make the facility more efficient.

A strong in-house engineering group can help prevent the quality issues discussed above by developing a strong scope and managing the consulting engineer's work. However, it has been shown the best ideas come from collaboration. As with any project, the more the team collaborates and considers changes during the design phase, the better the final outcome. When the consulting engineer is in place from the beginning of a project, they can work with the entire in-house engineering group to identify the direction in which the project is headed and prevent excess time spent on options that are not viable. In addition to leading to overall project savings, these efficiencies can actually reduce the engineering fee.

At R.E. Warner we see ourselves as a client's partner. Most of our team members pursued engineering because of a passion for problem-solving. Our favorite projects are those where we can serve as a partner, helping our clients achieve bigger picture objectives. We urge our clients to let us become familiar with their facilities so we can focus our time on truly serving your needs, even those not yet recognized.

THE REAL MEANING OF INDUSTRY BUZZWORDS

This article is written by Senior Mechanical Engineer Mitch Reynolds, PE. Mitch has nine years of experience providing mechanical engineering services for projects in the government, commercial and industrial sectors. His experience includes equipment, HVAC, and pipe layout, and Finite Element Analysis for both structural and mechanical equipment. He has extensive 3D experience related to BIM modeling and analysis in Revit, Solidworks, Plant3D, and NavisWorks and Point Cloud Integration.

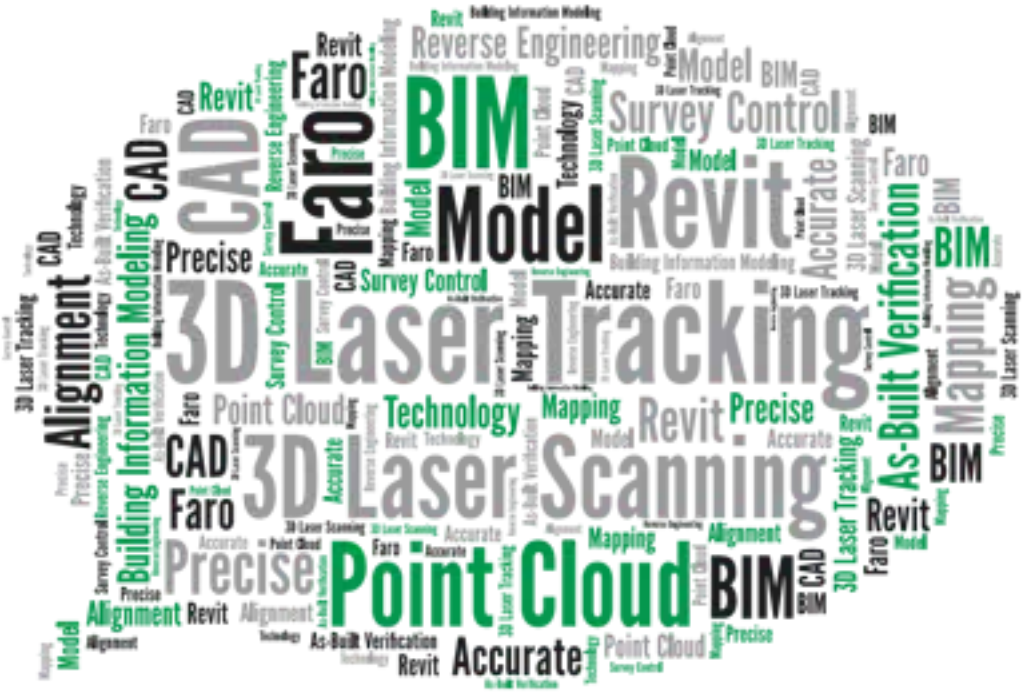
As the A/E profession continues to integrate increasingly powerful technology and prescribe evolving industry standards, many "buzzwords" are popping up. With this new vocabulary, there is the possibility of confusion when owners and consultants have different understandings of terminology. It is essential to ensure we are all speaking the same language.

This is especially true when it comes to high-precision surveying. Our firm is seeing increased demand for 3D laser tracking, scanning and modeling services for everything from site/civil projects, to full design/builds, to simple equipment placement planning. But what does it really mean to scan a project or provide tracking and survey control?

We want to ensure we are speaking the same language as our clients when we get requests to "create a model" or "provide a 3D scan of X." For that reason, we are careful to get a full understanding of what the client is looking for when we get such a request, rather than interpreting it at face value. But what has also become essential is sharing the official meaning of these "buzzwords" and phrases. Below are some of the most common terms we hear confused.

3D LASER SCANNING

Laser scanning has been around for some time now, but its affordability and precision has greatly advanced, making it a go-to service for capturing a space without missing the details. Laser scanning builds upon the expertise that already exists within the field of surveying for fast and exact measurements of the real world in three dimensions. Further, the laser scanner delivers all the benefits of a traditional survey with the addition of time savings and greater accuracy. The laser emitted from the scanner captures millions of points which together form a "point cloud" (see below) copy of the real-world object or environment. This is why you may have had a surveyor yell at you to get out of the way when doing a survey – if he or she is using a scanner, chances are you were just captured in the scan.



POINT CLOUD

This is essentially a group of functional data points in a coordinate system. It is the output of a laser scan. A point cloud represents physical space used in a 3D format. This information, depending on the software used to process the data, allows the user to get "point of view" look at anything the laser scan captured. Since the cloud is made up of millions of points that all have specific coordinate data, the user not only gets a picture of the space but can also measure between "points." This is a very powerful tool and an efficient way of getting a lot of information out of what is essentially a "picture."

3D MODELING

3D Modeling also has advanced leaps and bounds from only a few years ago, and the functionality of BIM has made this technology an A/E staple. In many cases, clients want a 3D model, but will not be able to afford everything for which they are asking. So, what does a model do for the client that a point cloud cannot do? A 3D model is usually construction media and equipment that takes a traditional 2D drawing and gives the space height. It is, therefore, a great tool for clash detection among trades. In addition, a model can be used in conjunction with point clouds for mapping existing facilities conditions and/or retrofit projects. However, in most cases, a client wanting a LOD of 300 or so can get the remainder of the information from a point cloud. This is not only efficient but practical for most applications.

It's clear that the technology at our fingertips will continue to change how we provide professional A/E services. Clear communication and a shared understanding of terminology will be essential to the success of projects as the industry continues to evolve.

PROJECT PROFILES

AKRON METROPOLITAN HOUSING AUTHORITY ANNUAL CONTRACT FOR A/E SERVICES

Annual contract to provide basic architectural and engineering services for undefined projects on an as needed basis. Services include pre-design and assessment, design, bidding and award, construction and contract administration and post completion/warranty phases of work in the areas of architecture, site planning, structural engineering, mechanical engineering, electrical engineering, civil engineering, landscape architecture, cost estimating and construction contract administration. Projects have included:

- Paul E. Belcher Generator Replacement
- Fred Nimmer Roof Replacement
- Cotter House Apartments Walkway and Balcony Repairs
- Hilltop House Apartments Balcony Repairs
- Maplewood Villa Apartments Stair Replacement and Exterior Façade Renovation

CONSTRUCTION SURVEYING FOR PLAYHOUSE SQUARE'S RESIDENTIAL TOWER PROJECT

Construction layout and control staking for Playhouse Square's 34-story apartment tower in downtown Cleveland's theater district.

The building is comprised of 319 units and 550 parking spots and will sit at the corner of Euclid Avenue and E. 17th Street, across from Connor Palace.

PROJECT PROFILES

VENTILATION MODIFICATIONS ON-SITE CONSTRUCTION ASSISTANCE

Technical and design services to support the construction of a paint and coatings manufacturer's Building Basement HVAC renovation project following previous design engineering services for the renovation.

Ohio
Department of Rehabilitation & Correction

GRAFTON CORRECTIONAL INSTITUTION HOT WATER BOILER UPGRADE

Piping and electrical drawings and specifications to update and upgrade the boilers for the Ohio Department of Rehabilitation and Corrections' Grafton facility.

ACRYLO STORAGE TANKS UNLOADING PUMPING SYSTEM REPLACEMENT

Detailed engineering and specifications for purchase and installation of a pump, piping, instruments, and other equipment as necessary to provide increased capacity and a general upgrade in

CONSTRUCTION SURVEYING FOR AMAZON WAREHOUSE

Construction layout surveying services for Amazon's new fulfillment center in North Randall, Ohio.

CONSTRUCTION SURVEYING FOR HALLE BUILDING RENOVATION

Construction layout surveying services for the renovation of the historic Halle Building in downtown Cleveland.

VICCARONE HEATING AND AIR CONDITIONING NEW OFFICE & FABRICATION BUILDING

Full architectural, building and civil engineering, and interior design services to prepare construction documents, provide bidding services as needed, and provide construction administration services for Viccarone Heating and Air Conditioning's new office and fabrication facility in Strongsville. The new building will house a large open space for fabrication, loading/unloading, and storage as well as an office component that will house all the support areas such as private offices and conference rooms.

PROJECT PROFILES

CITY OF CLEVELAND ROOF ASSESSMENTS - MULTIPLE LOCATIONS

Collective roof assessments report for Clark, Cory, Gunning, Alexander Hamilton and Sterling recreation centers including evaluations, condition assessments, proposed repairs or remediation, and cost estimates for the aforementioned locations.

AUTOMOTIVE PLANT DECOMMISSIONING

Engineering services required for the decommissioning of an automotive plant and site for future demolition. The main plant and administration building will be cold idled until such time as the buildings will be demolished.

FORGE PRESS SHOP BUILDING EXPANSION AND PC FACILITY IMPROVEMENTS

Preliminary design of civil, structural and MEP improvements to provide order-of-magnitude construction cost estimates for a Forge Press Shop building expansion and a PC facility improvement project at a producer of titanium and engineered products' Martinsville Virginia Plant. R.E. Warner was the engineer of record of the single-story metal building constructed around 2009. The building expansion will be approximately 100 feet. The construction improvements include installation of equipment.

NEWS OF NOTE

We made the list!

R.E. WARNER & ASSOCIATES, INC. ON LIST OF TOP ENGINEERING FIRMS IN NORTHEAST OHIO

CRAIN'S CLEVELAND BUSINESS

R.E. Warner & Associates, Inc. is proud to be listed on the *Crain's Cleveland Business* annual list of largest engineering firms in Northeast Ohio.

The listing includes 33 Northeast Ohio engineering firms ranked by the number of local registered engineers. R.E. Warner is ranked #15.

Some of R.E. Warner's 2017 notable projects included CMC Steel Oklahoma Micromill Construction administration, Tenaris Bay City alignment metrology, the Village of Bratenahl service garage and salt dome D/B, Viccarone new office building, Amazon construction layout surveying, CUY-Independence Hemlock All-Purpose Trail, and Automotive Powerhouse Switchgear relocation for a new modular building.

Having evolved from one registered engineer to now 24 local engineers is a testament to our commitment to attract talented people who fit our culture of success and to grow our staff through increased revenues and profit–all while continuing the dedicated service our clients have come to expect.

CMC STEEL OKLAHOMA DEDICATION CEREMONY

CMC Steel Oklahoma is having a dedication ceremony to celebrate the successful commissioning of its second technologically-advanced micromill and congratulate the teams who made it possible. R.E. Warner provided detailed design as well as construction support.

NEWS OF NOTE

TWO R.E. WARNER EMPLOYEES NAMED TO ENR'S 2018 "TOP YOUNG CONSTRUCTION AND DESIGN PROFESSIONALS"

ENRMidwest

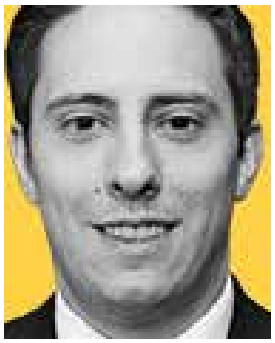
On December 21, ***Engineering News-Record*** Midwest named the 2018 class of Top Young Construction and Design Professionals under the age of 40 who have built extraordinary industry portfolios, donated significant time and expertise to serve their communities, and worked on innovative solutions that saved time and money on their projects. Among the 21 selected young professionals was R.E. Warner's own Matt Benovic and Jennifer Rowles Kalin.

Benovic was nominated for his crucial role in managing and delivering engineering design projects for several of our firm's top 10 clients, in addition to helping launch R.E. Warner's Mentorship Matters program and his active participation in industry organizations.

Kalin was nominated for helping to grow R.E. Warner's government and commercial influence, with her projects totaling 33% of the firm's government and commercial market revenue in 2017. Jen has also grown our firm's philanthropy initiatives by coordinating fundraising efforts that annually raise more than $11,000.

Continue reading below the full profiles of R.E. Warner's ***ENR Midwest*** 2018 Top Young Professionals.

MATTHEW R. BENOVIC, P.E., S.E, LEED AP
32, SENIOR PROJECT MANAGER AND STRUCTURAL ENGINEER



Matthew R. Benovic, P.E., S.E., LEED AP began his career as structural engineer working at several area firms as well as a Research/Teaching Assistant for Cleveland State University prior to joining R.E. Warner in 2011. Matt's initial assignments were as structural engineer. As he gained experience and educational achievements, he became a project manager and senior structural engineer for a wide variety of single and multi-discipline projects in the automotive, chemical processing, nuclear and metals market sectors.

Matt has now successfully transitioned into the role of Senior Project Manager, managing projects for several of our firm's top 10 clients. He is an effective project leader who successfully directs and manages multidisciplinary project teams. He has demonstrated his ability to execute projects from inception through completion within scope, schedule, and budget, even managing multiple projects concurrently. Matt has played a crucial role in delivering the engineering design of several automotive plant expansion projects.

In addition to taking on increased responsibilities at the firm, Matt became a registered Professional Engineer in the State of Ohio, a LEED accredited professional, and a registered Structural Engineer in the state of Illinois. He has also completed California's Office of Emergency Services (CalOES) Safety Assessment Program training (SAP) and is registered as a Safety Assessment Program Evaluator to be called upon in the event of disaster around the country. Matt holds a Master of Science in Civil Engineering from Cleveland State University and a Bachelor of Science in Civil Engineering from Ohio University. During his time at Cleveland State University, he worked as a Graduate Assistant and helped to develop a Weibull based statistical model for graphite to be used in the design of the next generation of nuclear power plants. In addition, as a Teaching Assistant Matt updated and helped develop the Strength of Materials Lab.

CAREER AND INDUSTRY LEADERSHIP

Matt has been with R.E. Warner since 2011, progressing from structural engineer to project manager and senior structural engineer, and now senior project manager.

Matt has been responsible for the successful execution of projects from inception through completion, including scope compliance, schedule adherence, budget conformance and quality assurance. He demonstrates true leadership, effectively directing and managing project teams to deliver projects on time, within budget and with complete and total client satisfaction.

Matt has served as project manager and structural engineer for both large and small projects at auto manufacturers, chemical process and energy companies, and steel mills. Most significantly, he has served as project manager for engineering and design of several automotive plant expansions.

To enhance industry/company processes and outcomes, Matt has developed a thorough understanding of concepts used in structural engineering, including those used to develop truss analysis, steel reinforcement, and equipment foundation design procedures. He has earned his PE and LEED AP certifications and is a licensed Structural Engineer, which signifies he is proficient in structural design as regulated by rigorous, increasingly complex design codes/standards set by the government and professional associations. Matt has furthermore completed California's Office of Emergency Services (OES) Safety Assessment Program training (SAP) and is a registered Safety Assessment Program Evaluator who can conduct safety assessments of buildings and infrastructure in the event of a disaster around the country.

Matt not only seeks to further his professional growth, but he also helps others develop to their fullest potential and seeks to advance the profession overall. Matt has shared his experiences at local AIST and SEAoO events. Further, he has been instrumental in developing R.E. Warner's Mentorship Matters program, serving as a committee president and member mentoring new professionals within our organization. In addition, he has been actively involved with The American Society of Civil Engineers Cleveland Section for many years and currently serves as President of the chapter as well as Chair of the Section's Scholarship Committee and co-chair of the SEI Committee. Matt also serves on AIST's Project Management Committee and Mill Building Subcommittee.

Continued on page 18

COMMUNITY SERVICE

Matt seeks to make sustained contributions to our profession's technical community, advancing the efforts of the business, education, and science sectors in Northeast Ohio. To accomplish this, he serves on professional association boards and committees, helping promote best practices and standards by sharing his own professional experiences.

Organizations with which he is involved include the American Society of Civil Engineers, the American Institute of Steel Construction and Structural Engineering Institute, the Association of Iron and Steel Technology, and the Structural Engineers Association of Ohio. Notably, Matt serves as president of ASCE Cleveland. Under his leadership, the chapter is focused on completing a Northeast Ohio Regional Infrastructure Report Card to help educate the public on the economic impacts of aging infrastructure as well as building a sustainable scholarship fund to help aspiring civil engineers with the rising cost of higher education.

During graduate school, Matt was the student design leader for the structural design of a school building and hurricane shelter in the farming village of August Pine Ridge, Belize. He then traveled there for the groundbreaking and foundation construction. Additionally, Matt led CSU's Steel bridge team and still serves as an advisor to CSU's Civil Engineering students.

Matt is committed to developing the next generation of engineers and mentors and engages with local students by participating in speaking engagements at school districts and coordinating job shadow opportunities. He also has been instrumental in the development of R.E. Warner's Mentorship Matters program, serving as an active member mentoring new professionals within our organization.

Matt maintains work/life balance by pursuing interests outside of engineering as well as nurturing his relationships with family and friends. Further, Matt and his wife are both engineers and enjoy spending time together volunteering for events such as "Engineers Make Water Resources Work" and ASCE student competitions judging.

JENNIFER ROWLES KALIN
38, SENIOR PROJECT MANAGER AND ARCHITECT

One of two female shareholders at R.E. Warner & Associates, Inc., Jen demonstrates superior leadership qualities and shows a true passion for providing exceptional client service. As a Project Manager and Project Architect, her ideas and energy help guide project teams with effective technical and strategic direction. Further, through establishing strong client relationships, Jen has helped to grow R.E. Warner's government and commercial practices. In 2017, her projects alone have totaled 33% of the firm's commercial and government market revenue.

In her day-to-day work, Jen's project responsibilities include complete coordination of pre-design programming and planning, conceptual design, design development and construction documents, plus overall project management and client service. Her portfolio spans public buildings and facilities, warehouses, maintenance/repair facilities, manufacturing plants, and office and administration buildings. The majority of her experience is in the government and commercial arena, including a strong focus on on-call architecture and engineering contracts for various government agencies.

Jen also provides construction administration services, including construction document review, bidding, analysis and award, testing and inspection coordination, shop drawing review, record keeping and reporting, change order review and processing, record status drawing preparation, project finalization and close-out.

Jen continuously looks for ways to exceed project goals and strengthen client relationships. She ensures all deliverables adhere to technical excellence and design best practices are followed. Her passion and energy are contagious, inspiring all who work with her to aim high. She sets goals for herself that are aligned with R.E. Warner's mission and pursues them relentlessly, bettering herself and the firm along the way.

Jen is a Kent State University graduate and earned both a B.S. in Architecture (2003) and a B.A. in Architecture (2004). She is LEED certified (LEED AP BD+C), and in 2017, she passed all seven Architectural Registration Exams to become a licensed registered architect.

Jen has successfully served as architectural designer, interior designer, project architect, construction administrator and resident architect, and project manager for both large and small projects totaling over 500 million dollars in construction costs.

CAREER AND INDUSTRY LEADERSHIP

Jen started with R.E. Warner in 2008. She has served as architectural designer, interior designer, project architect, construction administrator and resident architect, and project manager.

As a project manager, Jen has been responsible for the successful execution of projects from inception through completion, including scope compliance, schedule adherence, budget conformance and quality assurance. She has demonstrated true leadership and proven her ability to effectively manage project teams by delivering her assigned projects on time, within budget and with complete and total client satisfaction. Her projects are consistently profitable for the firm. Because of these accomplishments, she was elected a firm shareholder in 2014.

To enhance industry/company processes and outcomes Jen pursues project management and leadership professional development opportunities, as well as mentoring those around her. She is a graduate of R.E. Warner's E5 Leadership Academy and has been identified as one of our firm's next generation of leaders. She looks for ways to improve established communication and project management procedures to help team members and stakeholders stay connected with projects to achieve the best outcomes. She supports her team members' work to build their strengths and the capacity of their practices. She listens to the needs of clients and uses this insight to effectively manage projects and build relationships.

Furthermore, she shares her knowledge by authoring articles for R.E. Warner's blog column. Jen embraces change and enjoys the uncertainty and challenges her projects bring.

Jen has also worked to improve her skills and abilities by becoming a LEED certified professional for Building design and construction (LEED AP BD+C), and passing all seven of the Architectural Registration Exams (ARE) to become a licensed registered architect in the State of Ohio.

Jen participates in many industry organizations. Currently, she is involved with Women in Manufacturing and the Association of Women in Architecture.

COMMUNITY SERVICE

Jen is dedicated to making contributions to her community and profession. Although proud of the technical solutions she provides to our region, she is also committed to improving the lives of individuals. She is involved with groups and causes for which she has passion, including those that help kids and those that help women advance professionally.

Jen participates in local industry organizations including Women in Manufacturing and AIA Cleveland's Women in Architecture group, which are dedicated to empowering and promoting women within the architecture profession through advocacy, community outreach, professional development, and mentorship. In addition, she works with the CareerZoo to help aspiring architects determine if it is the right career for them. Jen also serves on the architectural advisory board for Auburn Career Center in Painesville.

Her community involvement includes:

- Grants and Special Programs Coordinator for Buckeye Elementary SchoolWorking with local schools to develop a community park in her neighborhood
- Working with local high school students on senior projects and providing job shadow opportunities
- Working with Clearfield County Vocational School students to design and build Santa's house
- Volunteering at End 68 Hours of Hunger
- Volunteering at Painted Wings Foundation
- As a kidney donor, participating in the National Kidney Foundation Walk
- Serving as the Heisley Park Homeowners Association Treasurer

Jen has grown R.E. Warner's philanthropy initiatives by coordinating fundraising efforts such as Jeans for a Cause, Harvest for Hunger, The Cleveland Mayor's Annual Holiday Food Basket Giveaway, R.E. Warner's Annual Toys for Tots Benefit, and more. Annually, these programs raise over $11,000.

Work/life balance is crucial to Jen. By finding ways to work "smarter not harder" and managing priorities, she can spend evenings and weekends focused on her family and doing things that help her recharge.

Click here to read the article ***ENR Midwest's*** 2018 Top Young Professionals.

PROFESSIONAL DEVELOPMENT & CONFERENCES

STRUCTURAL ENGINEERS ASSOCIATION OF OHIO (SEAoO) CLEVELAND - FIREPROOFING STEEL AND MASONRY HIGH-WIND SHELTERS

On February 15, R.E. Warner Structural/Architectural Department Manager and Senior Structural Engineer Dave Ferencik, PE, Project Manager/Structural Engineer Paul Winkler, PE, and Project Manager/Structural Engineer Jeff Spangler, PE attended the SEAoO Cleveland - Fireproofing Steel and Masonry High-Wind Shelters meeting at the Brunswick Library. Attendees discussed fireproofing structural steel and new OBC storm shelter requirements. On January 18, Ferencik attended the organization's monthly meeting at the Euclid Chemical Technical and Training Center to discuss how structural engineers can unite and learn from each other, as well as looking into high-performance concrete for floor slabs.

OHIO STORM SHELTER WORKSHOP

On March 14, R.E. Warner Structural/ Architectural Department Manager and Senior Structural Engineer Dave Ferencik, PE attended the International Masonry Institute (IMI) and National Storm Shelter Association (NSSA) Ohio Storm Shelter Workshop at Walsh Auditorium in Valley View, Ohio. Attendees discussed community story shelter design in accordance with the new requirements of IBC 2015 and OBC 2017.

CIVIL ENGINEER OF THE YEAR

On February 20, R.E. Warner Senior Project Manager/Structural Engineer Matt Benovic, PE, SE and Structural Engineer Ryan O'Hearn, PE attended the American Society of Civil Engineers (ASCE) Civil Engineer of the Year lunch. Gina Beim, PE was awarded the 2017 Outstanding Civil Engineer of the Year Award. Beim is the founder and president of MCDA Consulting, LLC.

CLEVELAND BOARD MEETINGS

R.E. Warner Senior Project Manager/Structural Engineer Matt Benovic, PE, SE and Structural Engineer Ryan O'Hearn, PE serve on the American Society of Civil Engineers (ASCE) Cleveland Board of Directors as President and Secretary and attend all board meetings.

JANUARY LUNCHEON

On January 24, R.E. Warner Senior Project Manager/Structural Engineer Matt Benovic, PE, SE attended the American Society of Civil Engineers (ASCE) Cleveland January luncheon held at Merwin's Wharf in downtown, Cleveland. Tony Margevicius, PE was the featured speaker. His topic was "Who Knew? The Challenges and Risks of Deep Tunnel Sewage Drop Structures."

DINNER MEETINGS

On February 12, R.E. Warner Vice President and Metals Market Project Officer Frank Johnson, Project Director Ed Dziubek, Project Manager and Structural Engineer Matt Benovic, and Structural Engineer Chris Weeder attended the Association for Iron & Steel Technology (AIST) Detroit member chapter dinner meeting at the Sheraton Pittsburgh Hotel at Station Square, in Pittsburgh, Pennsylvania. The keynote presentation was Mark Bula, chief commercial officer, Big River Steel. His topic was "It's a Great Time to Be In the Steel Industry."

On February 13, R.E. Warner Vice President and Metals Market Project Officer Frank Johnson and Project Director Ed Dziubek attended the AIST Detroit member chapter dinner meeting at the Holiday Inn Southgate in Southgate, Michigan. The keynote presentation was Darrel Moore, vice president and general manager, Gerdau Special Steel. His topic was "Overview of Gerdau Special Steel North America and The Recent Expansion at Our Monroe Facility."

MILL BUILDING SUBCOMMITTEE MEETING

On March 20, Senior Project Manager and Structural Engineer Matt Benovic, PE, SE attended the AIST Cranes Committee/Mill Building Subcommittee meeting to work on the final edition of the AIST Technical Report 13.

This updated report guides the owner and designer through the many assumptions and parameters involved in the design of a mill building. It suggests loads and load combinations for the design of crane runways, roof structures, floors, columns, building frames and foundations.

PROFESSIONAL DEVELOPMENT & CONFERENCES

CLEVELAND ENGINEERING SOCIETY 66TH ANNUAL DESIGN AND CONSTRUCTION CONFERENCE & TRADE SHOW

On March 20, R.E. Warner helped celebrate 66 years of success in design and construction at the Cleveland Engineering Society 66th Annual Design and Construction Conference & Trade Show. The event, with a theme of "Building Healthy Communities," was held at the LaCentre Conference and Banquet Facility in Westlake, Ohio. R.E. Warner was a proud sponsor of the conference that featured keynote presentations, numerous breakout sessions, and an awards ceremony. There was plenty of time for networking and talking with the numerous vendors and organizations at the tradeshow. R.E. Warner Senior Vice President and Government, Commercial and Manufacturing Project Officer Brett Neff presented Eugene Baxendale, PE, MBA, LEED AP, President, Business Improvement Catalysts, with the 2018 Hall of Fame Honoree Award. Neff also chaired the event.

SOCIETY FOR MARKETING PROFESSIONAL SERVICES (SMPS) NORTHEAST OHIO LUNCHEON SPEAKER SERIES

On March 27, R.E. Warner Senior Vice President and Manufacturing Project Officer Brett Neff moderated the Society for Marketing Professional Services (SMPS) Northeast Ohio Luncheon Speaker Series. The topic was "Industrial Sector Stays Hot, Creates Jobs in NEO." The industrial market is finally getting some media attention over the past year in Northeast Ohio because of its extremely low vacancy rates and need for space. With e-commerce on the fast track, the demand for space to hold product is only increasing. This has had a large impact on bringing jobs to this area. The panel discussed what the demand is really like and how this industry sector can bring jobs back to this region. Panelists included Vice Chairman Terry Coyne, SIOR, CCIM, of Newmark Grubb Knight Frank; Vice President of Construction Adam Goldberg, Seefried Properties; and President of Business Development Edward Asher, Weston Inc.

MENTORING

OUR COMMITMENT TO FUTURE ENGINEERS

February 1, 2018, Ted Beltavski, President of R.E. Warner and 2017 Cleveland State University Distinguished Alumni Award recipient, held a Company Information Session at the Cleveland State University Washkewicz College of Engineering to discuss all aspects of R.E. Warner and possible career opportunities for a variety of engineering majors. Ted shared information about R.E. Warner's culture, work environment, exciting projects and technology, and more. Our firm is always looking to identify and recruit top talent in Northeast Ohio. Over the past 10 years, R.E. Warner has engaged with 21 interns, of which five were CSU interns with four CSU interns hired for permanent positions at R.E. Warner.

COMMUNITY SERVICE

R.E. WARNER'S 4TH ANNUAL OPEN HOUSE BENEFITS TOYS FOR TOTS AND SETS NEW RECORD

On November 8, R.E. Warner celebrated the start of the holidays with its Fourth Annual Open House and Toys for Tots Benefit, raising more than $3,500 – a new record! – plus dozens of toy donations in support of Toys for Tots. More than 100 attendees spent the evening mingling, enjoying festive refreshments, shopping the Holiday Market, and bidding on Chinese Raffle prizes like Cavs tickets, catering packages, a FitBit Blaze, spa baskets, restaurant gift cards, and more.

All of the funds raised at the Open House support The U.S. Marine Corps' Toys for Tots Foundation, started more than 50 years ago to ensure our country's less fortunate children experience the magic of the holidays. "We thank all of our guests, donors and vendors for helping us bring joy to a child this holiday season," said President Ted Beltvaski, R.E. Warner.

The annual Open House is R.E. Warner's signature philanthropy initiative, however, employees make it a point to give back all year long. "Through participating in Jeans for a Cause, Harvest for Hunger, Mayor Jackson's Holiday Food Basket Giveaway, and more, we are proud to have raised over $11,000 over the last several years to support many worthy causes in our community—living out our corporate values of improving our community by serving others in addition to providing professional services," said Beltvaski.

2018 CHARITABLE CAUSES R.E. WARNER IS SUPPORTING

In 2017, R.E. Warner employees raised approximately $11,000 for 12 different organizations through its Jeans for a Cause fundraising program. Employees donate $5 to wear jeans each Friday. This year, the charities and organizations that were selected are:

January: End 68 Hours of Hunger

February: United Cerebral Palsy

March: Cleveland APL

April: Lorain Co-op Ministry

May: The Providence House

June: Painted Wings

July: World Wildlife Fund

August: Ramernation

September: The Confetti Foundation

October: Wear Gray for Calvin.
The Yeager Family assists people and their families while they are battling sickness or disease in Calvin's name.

November: Toys for Tots and Coats for Kids

December: Sponsor-a-Family. We will assist the family with a Christmas meal, presents for the children, and more.

OUR MISSION IS TO PROVIDE TECHNICAL SOLUTIONS THROUGH TEAMWORK AND A PASSION FOR SERVICE.

Since our founding in 1951, R.E. Warner & Associates, Inc. has experienced steady and continuous growth. Building on our traditional strengths and values, we have entered into new fields only when it is consistent with the basic mission of our company. Today, R.E. Warner is a full service, multi-discipline consulting firm serving both public and private clients.

We call ourselves multi-discipline because we offer professional services in civil, structural, mechanical, electrical and process engineering; architecture and planning; surveying; and environmental science and engineering.

Our impressive list of clients includes many of our nation's largest steel, automotive and chemical producers, electric power companies, health and educational facilities, and various agencies of the federal, state and local governments. R.E. Warner's mission is to provide technical solutions through teamwork and a passion for service. Our areas of practice include buildings and facilities, industrial operations and process engineering, infrastructure, transportation, energy management, surveying, environmental and construction services.

In order to fulfill our mission to our clients, R.E. Warner consistently recruits, hires and trains the leaders in our profession. In recognition of our great workplace, R.E. Warner has been named a multi-year winner of the Best Firm To Work For Multi-Discipline award, presented annually by Zweig Group to top architecture, engineering, and environmental firms in the U.S. and Canada based on workplace practices, employee benefits, employee retention rates, professional development and much more.

We invite you to contact many of our peers to discover how working with R.E. Warner can be economical, efficient, professional and down right pleasant!

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