

THE EXCHANGE

FALL 2017

PROJECT HIGHLIGHTS



Prefabrication and Technical Expertise Help Meet an Aggressive Timeline and Provide Custom HVAC Systems

West Clermont High School Batavia, OH

TP Mechanical was excited to partner with Turner Construction on the West Clermont High School project. Our scope of work was to install Fire Protection, Plumbing, HVAC (Chillers, Boilers and Chilled Beams), sheet metal and building automation for energy management.

TP Mechanical coordinated and fabricated all the piping and plumbing fixtures installed in the facility to maximize field labor efficiency. The schedule was demanding, requiring more than 40 TP personnel and two on-site superintendents during peak times.

Schedule milestones were aggressive, and TP Mechanical achieved all goals while serving as the largest subcontractor to Turner.

Design/Assist and Fabrication Capabilities Create an On-Schedule Collaborative Effort

University of Kentucky Research Building 2 Lexington, KY

Whiting Turner hired TP Mechanical as the plumbing subcontractor for phase two of the University of Kentucky Research Building. To ensure both phases of construction correlated with the intended design on an aggressive schedule, we developed a CAD model and coordinated all piping systems with all other subcontractors' installations on the project.

We fabricated pipe-racked systems for all horizontal piping, pipe hangers, drains, carriers, and much more in our state-of-the-art, ISO-certified fabrication facility. We utilized our Kentucky Distribution Center to deliver materials in time for installation on mobile carts to be moved to the point of use with minimal effort. The use of our DC and creative material handling reduced waste, providing a cleaner, safer, jobsite for partnering subcontractors and employees while providing the customer a state of the art installation for a state of the art building.

To learn more about these projects, visit tpmechanical.com/portfolio.

THE PEOPLE BEHIND TP MECHANICAL

Matt Anderson, Business Development Leader – Commercial

While Matt is fairly new to TP Mechanical, he brings 20 years of sales and business development experience to the table. He is familiar with the major Ohio and Kentucky markets, having worked with architecture, engineering and construction contacts in the region for the past seven years.

Matt holds a B.A. in Business Administration from Thomas More College and has completed his OSHA 30-Hour safety training. To continue his education and extend his network, Matt attends a variety of events held by industry-specific organizations and trade associations, including the American Institute of Architects (AIA), American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Allied Construction Industries (ACI) and Associated Builders and Contractors (ABC).

Matt prides himself on his collaborative work with general contractors, construction managers, architects and engineers to provide design assistance and realistic budgets, while developing and strengthening relationships that lead to greater project success and lasting partnerships.

Matt also assists in social media and newsletter content development to inform, educate and build relationships in the Kentucky, Cincinnati, Dayton and Columbus markets.



Contact Matt at matt.anderson@tpmechanical.com or call him at 859-250-9777.

SERVICE SPOTLIGHT

Time to Prepare Your Building for Winter

As we say goodbye to the summer heat, fall is an excellent time of year to review your building systems. Winter can create plenty of unexpected repair costs and emergencies, but a little bit of preventive maintenance and planning for potential system upgrades can go a long way in saving you future headaches.

Here are three routine checks to add to your building's winter prep list:

Conduct a thorough inspection of all mechanical and plumbing systems.

Check that freeze stats are set at correct temperatures, freeze protection devices are receiving power and heating systems are properly operating. Verify the operation sequence of your chilled water cooling and hot water heating control valves is working correctly.

Look for ways to improve building energy efficiency.

Three common energy drains for buildings are poor insulation, malfunctioning units in semi-heated spaces, and poor or nonexistent system monitoring.

Replacing damaged and missing insulation or providing the proper insulation for your building and systems are critical to controlling your building's environment and saving money on operating costs.



Monitoring your facility's temperature data to optimize system settings is crucial to maximizing your building's efficiency.

Check roof and other drainage systems.

Time to clean out those gutters and drains. Snow and ice – even as they melt – can obstruct normal drainage paths. Obstructions can cause damage and additional issues that can incur repair and service costs.

An autumn audit like this, with a focus on proactive and preventive actions, will help you identify and resolve problems before they are escalated to an emergency. They are critical to keeping your facility operating at peak efficiency.

To learn more about how our service team can assist you in your Fall Audit and how our preventive maintenance plans can serve you, visit tpmechanical.com/tp-service-group.

SAFETY SPOTLIGHT

Key Safety Guidelines for Working in Confined Spaces

"Safety First, Always First."

Utilizing proper safety guidelines while working in or around confined spaces on a jobsite is imperative to protecting our employees and clients.

OSHA defines a confined space as any place on a jobsite that has limited means of entry and/or exit, is large enough for a worker to enter it and is not intended for regular/continuous occupancy.

There are two types of confined spaces – non-permit-required and permit-required. A non-permit-required confined space does not contain atmospheric hazards or have the potential to contain any hazard capable of causing death or serious physical harm.

OSHA defines a permit-required space as having one or more of the following characteristics:

- Contains or has the potential to contain a hazardous atmosphere
- Contains material that has the potential to engulf an entrant
- Has walls that converge inward or floors that slope downward and taper into a smaller area that could trap or asphyxiate an entrant
- Contains any other recognized safety or health hazard, such as unguarded machinery, exposed live wires or heat stress

According to the U.S. Department of Labor's Bureau of Labor Statistics, a total of 136 workers were killed in incidents associated with confined spaces in 2015.



"Our number one priority is the health and safety of our employees, clients, partners and the general public," says Jamie Absher, Safety Specialist at TP Mechanical. "By doing things like participating in OSHA's Voluntary Protection Program (VPP) and partnering with safety experts, we put ourselves in a position to prevent injuries like those that can be caused by working in confined spaces."

Some of the key OSHA guidelines involving confined spaces:

- Evaluate the workplace and clearly identify any permit-required confined spaces with the proper signage
- Test atmospheric conditions before entry and purge, make inert, flush and/or continuously ventilate the permit space as necessary to eliminate or control atmospheric hazards
- Provide, maintain and require the use of personal protective equipment (PPE) – including self-contained breathing apparatus and personal fall protection when appropriate – and any other equipment necessary for safe entry

For full guidelines, please refer to the OSHA Confined Space Standard, CFR 1910.146.

To learn more about our commitment to workplace health and safety, visit tpmechanical.com/about-tp/safety.

TP MECHANICAL IS RIGHT AT HOME WORKING IN YOUR COMMUNITY

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IN THE COMMUNITY

At TP Mechanical, we believe that our business success is a blessing, which motivates us to share that by giving back to our community.

Our commitment to outreach includes developing and providing services within the community. If there are unmet needs, TP Mechanical wants to be there to help.

As the leaves turn, temperatures drop and we approach the holiday season, giving back becomes even more important. Items like gloves and hats can make a world of difference this time of year for those in need, and even the smallest gift or donation helps.

This fall and winter, TP Mechanical's Cincinnati office is participating in the Butler County Children Services "Adopt a Family" program. By adopting families, TP Mechanical hopes to help fulfill the wish lists of those in need and make the holiday season a bit warmer and brighter.

In Columbus, TP Mechanical is once again donating new gloves, mittens, hats and toys to Nationwide Children's Hospital. These items make a big impact on children from infants to teenagers and their families who often spend large chunks of time at the hospital.

We know these are small gestures, but every bit helps those in need, and we encourage you to make a donation to these great organizations as well.

Please contact Asia Brown at 513-785-5902 or asia.brown@jfs.ohio.gov to learn how to adopt a family in Butler County, and visitationwidechildrens.org/wish-list-for-donations to find out what items are needed by donation at Nationwide Children's.



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