

# THE EXCHANGE

SPRING 2013



## Congratulations TP Apprentices!

We proudly present the class of 2013!

On May 31, the apprentices pictured at left will graduate and join our team at full capacity. To earn this honor, they had to complete our proprietary, accredited apprenticeship program requiring countless hours of training, credentialing and study.

We put them through it all to give them the best storehouse of knowledge and craftsmanship in the industry. This keeps them safe, keeps them current and ensures that we provide our clients with the highest standard of excellence.

**Congratulations on your achievement, graduates!**

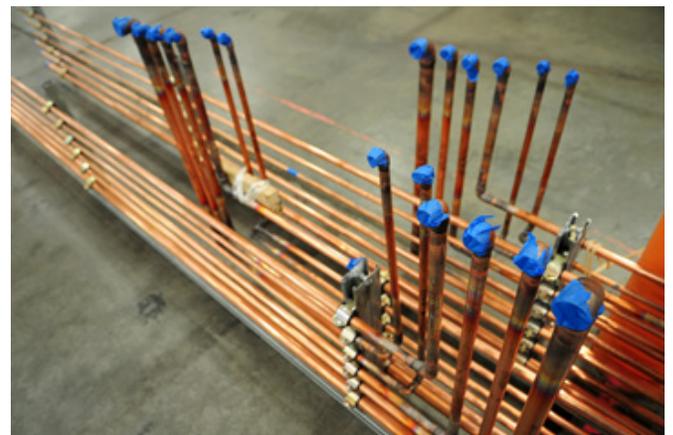
## SAVE THE EARTH AND SAVE SOME MOOLAH

Our prefabrication capabilities help us reduce the environmental impact of our projects. We thought we'd add that prefabrication can also reduce the impact on your bottom line.

Prefabrication streamlines your construction process. From materials to time spent on the job site - you spend less. Here's how:

- We plan our use of materials down to the ounce to ensure economical use of resources and reduce waste. This also ensures pricing accuracy and helps you stay within budget.
- We build as many pieces as possible in-house in a controlled environment, so that inclement weather won't destroy your materials and you don't have delays at the job site.
- Everything is built at bench level, ensuring accuracy and quality of every piece, costing you less in change orders later.

- Everything is pre-assembled and arrives at your job site ready to be installed. This reduces the number of workers you have to have on the job, improves site safety and accelerates your timeline. You save money in reduction of personnel and all related costs, including insurance, site facilities and man hours.



## FROM APPRENTICE TO SHAREHOLDER - A TP MECHANICAL STORY



As we celebrate our newest class of graduating apprentices, we thought we'd catch up with Jerry "Judge" Keller. Today, he's a shareholder of our company, but he began with us 30 years ago as an apprentice.

Jerry remembers the day that Bill Teepe personally handed him his very first paycheck and how, when he and his family suffered the loss of their son, the people at TP Mechanical were there for him every step of the way.

At TP Mechanical, we believe in servant leadership - sharing what we know with those we teach. Jerry remembers several years of rigorous training as an apprentice under Scott Sr. who, despite his intensity as a boss, would take a moment to kid around with him too.

Jerry looks back on his favorite job - the Green County Juvenile Correctional Center.

"It was the 4th job that I ever worked as a superintendent. The job was interesting because it had 32 jail cells with individual prison fixtures. Every piece of pipe went in exactly right," he remembers.

Most of Jerry's family members have worked their entire lives for TP Mechanical. "If you work hard and are loyal, they'll help you out in any way they can. I could not imagine working anywhere else," he says.

### HOURS UPDATE

As of May 3, 2013, we've worked without a lost-time accident for: 2,357,148 man hours

## BUILDING BRIDGES

### Announcing A Whodunit Dinner Extravaganza TP Mechanical Gala to benefit the Ronald McDonald House of Central Ohio

Can you imagine learning that your child is critically ill and will have an extended stay in the hospital? After you receive this crushing news, your mind begins to race.

You would never want to leave your child's bedside. So, where will you and your family sleep night after night? In a hotel room? An apartment near the hospital? How will you afford it? How will your other children be able to live while you are at the hospital?



Thankfully, Ronald McDonald house is nearby. So you call, and learn that there's a waiting list. They don't know when a room will open up for you.

With our extensive work on healthcare facilities - especially the Nationwide Children's Hospital - we've heard these tragic stories, and we want to help The Ronald McDonald House of Central Ohio make room for more families. We're supporting them in their vision for a 42-room addition, making them the largest Ronald McDonald House in the world.

In November, TP Mechanical will host a Whodunit Dinner Extravaganza. Proceeds from the event benefit the Ronald McDonald House of Central Ohio, which serves Nationwide Children's Hospital, Ohio Health Hospitals, The Ohio State University Wexner Medical Center and James Cancer Hospital, Mt. Carmel Health Systems and other area hospitals.

Every night 80 families make this facility their home away from home. All they ask is for a \$20 donation for a night's stay and three square meals. The entire operation is paid for by the generosity of donations and run by volunteers.

## TP MECHANICAL GALA A WHODUNIT DINNER EXTRAVAGANZA

If you want to help us support this worthy cause, please save the date for our annual TP Mechanical Gala on Nov. 1 beginning at 6:30 p.m. You're cordially invited to an evening of intrigue. We'll watch a murder mystery unfold while enjoying cocktails, dinner and a silent auction.

Join us in our efforts to help give more families a shelter from the storm in their time of need. A big thank you to event vendors NorthPointe Hotel and Conference Center as well as Fiesta Sounds for being among the first to contribute donations.

We hope you will consider being one of our sponsors for this event. It's our goal to raise at least \$25,000, which will buy one room in the addition, and a place for one more family to stay.

Look for more information on this event and details on how to sponsor in our August edition of The Exchange.

# WE BROUGHT OUR "A" GAME

## Project Profile: University of Kentucky BioPharm Research Labs

It's May and the notes of Pomp and Circumstance fill auditoriums around the country while graduation hats pepper the sky. The class of 2013 steps out into the world, poised to make their mark. TP Mechanical is proud to have worked with academic institutions in Ohio and Kentucky, helping to install the mechanical systems necessary for top-notch educational facilities.



Most recently, we had the honor of contributing to the University of Kentucky BioPharm Research Labs. Ranked 5th in the nation, the UK College of Pharmacy is home to top researchers, scientific minds and students. The research conducted in its brand-new, state of the art BioPharm complex immediately impacts the future of medicine and has the potential to change lives.



The first three floors of the facility opened to faculty and staff in January 2010. The top two floors, slated to house the research labs, have yet to be fitted out. These floors required specialty mechanical systems that could safely transport chemicals. When TP Mechanical took on the challenge, we knew we needed to bring our A game. We leveraged our in-house design and fabrication capabilities to create and install

the duct work and a state-of-the-art custom chemical piping system - without interrupting the day-to-day activities of the students and faculty occupying the lower floors of the facility.

The chemical piping system was designed using Orion's thermoplastic polyvinylidene fluoride (PVDF) material. PVDF, a thermoplastic developed for superior resistance to many solvents, bases, acids and halogens, is the first plastic piping that is certified to meet ASTM E-84 and UL 723 codes for flame spread and smoke generation. It can maintain its strength from -40°F to 285°F.

Our pre-fabrication team built the duct and piping systems in our facility, delivered the modules to the site and used buck hoists to lift them up to the top two floors while students and faculty safely occupied the floors below. Although the project took a year to complete, students and faculty were able to continue normal activity without interruption, and UK's current and future College of Pharmacy graduates are able to utilize the new facility and earn their diplomas - right on time.



## AT YOUR SERVICE: ALLERGY PREVENTION

The dreaded Allergy Season has arrived. Are you and your employees suffering from incessant sneezing, coughing and wheezing? Have you noticed a reduction in productivity due to sick days caused by secondary infections and fuzzy allergy-medicine-soaked brains?

Believe it or not, the air contaminants that cause allergies to flare are actually more prevalent indoors. It's a common misconception that outside air is the culprit. In fact, the constant recirculation of inside air within a building causes microns and chemicals to build up and makes it difficult for the filtration system to keep the air clean. Studies suggest that 50% of illnesses are caused by polluted air - and have shown that air is 70% more polluted inside a building than outside.

### Air trapped in a building and recirculated is loaded with...

- Exhaust emissions that make their way into the building from surrounding traffic
  - Fumes from common cleaners, paint on the walls or even your office furniture
  - Dirt, dust and mites
  - Mold spores from damp air
- Even clean air that is overly dry can cause noses to bleed, sore throats and burning eyes.

The key is to control indoor air quality, and TP Mechanical's service team is well-versed in clean air methodology. As part of our preventative maintenance checklist, our team will prepare your system to keep your indoor air quality consistent and educate you about you how to maintain it in between check-ups.

### We don't keep secrets, so here's the short list of our go-to methods:

- It's important to constantly flush the building with outdoor air. We recommend putting an economizer in place if your system doesn't already have one. An economizer pulls in outdoor air on a regular basis and also controls the humidity of the building.
- Not just any filter will do. We'll teach you about MERV ratings on filters and the type of filter you need for your system to trap the most microbes most efficiently.
- Monitor the chemicals used to clean your building, right down to what's used to wipe off your desks and clean your carpets. We can recommend cleaners that are environmentally friendly and promote the best indoor air quality.

**For more information,  
give our service team a call!**

# MECHANICAL MUSINGS

If your mechanical equipment is outdated, you may be draining valuable resources. How can you avoid costly repairs and wasteful spending on inefficient equipment?

TP Mechanical offers an Energy Cost Analysis for your existing equipment. Learn more in our recent blog post. Or read recent postings to get the inside scoop on improving your energy bills, implementing safety practices and how to stay healthy at work.

## GREEN CONSTRUCTION

April was Earth month. We don't know about you, but our kids came home from school armed with tactics to make our households more environmentally friendly. They schooled us in composting, recycling and not letting the water run while we brushed our teeth.

It got us thinking - do our kids know what we're doing to preserve the environment for their future? At the dinner table tonight when our kids are lecturing us on the reduce-reuse-recycle mantra, here's what we're going to tell them:

- We strive to implement lean and green manufacturing techniques in everything we do.
- We recycle everything we can. From the cartons our parts come in to the scrap leftover from our projects, we make sure it doesn't end up in a landfill.
- Our in-house fabrication capabilities allow us to manufacture our materials efficiently while reducing waste. We can calculate for and use every ounce and consume less energy while doing so.
- Because we build as much as we can in our facility before we transport it to our sites, we can reduce the amount of gas - and harmful emissions- used in transporting materials when compared to moving them separately.
- We can also avoid scarring job sites as much as possible by keeping traffic, large and heavy equipment, unused trash heaps, sparks and other fire hazards to a minimum.
- We are a LEED certified company and we value-engineer every project to ensure the greatest operations efficiency and reduce the overall environmental impact of the building.
- We constantly pursue the latest lean and green manufacturing techniques and methods and implement them as quickly as we become aware of them.
- At home, we probably could improve our efforts to be environmentally friendly. The good news is that we can look our kids in the eye and promise them that at work, we are indeed making every effort to show Mother Earth a little TLC.



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