ISSUE 9

THE PIPE LINE

Hussung Mechanical Contractors
HMC Service Company

July 2008

VISION:

To provide safe, functional and comfortable environments.

MISSION:

To be the preferred provider of superior mechanical solutions.

VALUES:

Integrity
Commitment to Excellence
Continual Improvement
Relationships
Safety

hmc
EMPLOYEE NEWSLETTER

Dave's Corner

As I write this message, many of us are preparing for, or at least thinking about, the 4th of July weekend which is just three days away. Perhaps it's my age, but this year more than most, I seem to be a bit more reflective about past 4th of July celebrations and the significance of the holiday.

Years ago, as a kid, the 4th meant a picnic with extended family. Horseshoes, a game of softball or "peggy", ice cold watermelon, deviled eggs.....it's funny how I associate certain games or foods with a holiday. At night we'd light sparklers and run through the park, then play hide and seek or tag. Finally, we'd gather up all our gear and head home.

When I went to college, I became best friends with a guy in my class, Robert Nelson Clark, Jr. Bob was a great friend and truth be known, actually contributed to my staying in school and graduating. He was an encourager, and despite several tragic events in his personal life, he always wanted the best for others. He was principled and he gave his very best effort at whatever he attempted. Bob lettered in varsity football, track and baseball for four years running at Rose-Hulman and graduated with me with a degree in Chemical Engineering in 1965. He was a good man. Our son, David Clark, is named after him.

All of us at Rose received our draft notices almost immediately after graduation. In those days, a draft notice almost certainly meant service in Vietnam. When Bob received his, he enlisted in the Marine Corps in the Officer Candidate Program and within a year or so of graduation from Rose, Bob was commissioned a 2nd Lieutenant.

I suspect most of you saw the film "Saving Private Ryan". The film is really the reflection of an elderly Mr. Ryan while visiting the gravesite of the Captain who gave his life on a mission to save Ryan. In the final scene, he (Ryan) shares that the Captain's final words to him were to make his (the Captain's) sacrifice meaningful.....to live a life worthy of his last full measure of devotion.

As I age, Bob's death in Vietnam continues to take on more significance to me. It's significant because even though Bob died in an unpopular war which history claims we lost, Bob died for me....and you. He served his country faithfully, didn't complain about how unfair it was and he died in battle convinced that he was doing the right thing. He served believing that he was protecting us. Many would disagree, arguing that Bob died needlessly, but I believe that Bob willingly joined the ranks of thousands who died for us that we might live in freedom. I just hope that I have lived a life worthy of his sacrifice.

By the time this newsletter reaches you, the 4th of July will be long past. But take a moment to reflect on how you celebrated this year.....and if you didn't really give much thought to the enormous sacrifices made by others that we might continue to celebrate in freedom, do so now.

God bless you....and the USA!

Dave Hussung

Projects in Progress

Salt River Business Center (Mechanical)

The Salt River II project is an amazing 936,000 square foot warehouse facility with 96 truck docks and four drive-in doors. The building is 1,800 feet long and 520 feet wide. That is 21.48 acres under one roof! That is 134,784,000 square inches of floor space! HMC installed an underground sanitary sewer line the length of the building and a 3" domestic water line. The building will be heated by 8 gas fired Cambridge rooftop units, each generating 2,200,000 BTU's per hour with an airflow of 10,911 CFM. Ventilation will be provided by 16 roof mounted up blast fans, each producing 50,000 CFM of airflow. The floor is so large that a mobile concrete plant was assembled on site.
The plan is to pour 45,000 square feet, or 1200 yards, of concrete floor a day. Eight concrete trucks are running continuously during the pour process, and laser screeds are used to insure the flatness of the floor. All in all, this is quite a project, and Lauth Construction turned to HMC for the HVAC & plumbing needs!

University of Louisville BioMedical Research Facility III (Mechanical)

This facility will be used by the university for research. The basement is devoted mainly to animal holding and procedure rooms. These areas have extensive automated air pressurization, lighting controls and an automatic animal watering system. The basement also contains an MRI suite and mechanical equipment rooms. The first through seventh floors will consist of reception, office, conference rooms, open lab and office spaces. Hussung Mechanical installed five custom built air handling units that each consist of four separate tunnels that can operate independently. There is an additional 15,000 CFM unit to serve the BSL3 Lab on the sixth floor. Ten laboratory exhaust fans were installed in conjunction with two energy recovery units. The office areas are served by VAV boxes with reheat coils while the lab areas utilize Phoenix Supply valves with reheat coils. Lab gases, vacuum and water were provided throughout the lab areas to work stations and fume hoods. To aid in LEED certification, low flow flushometers were installed on all closets and urinals. AHU condensation and rain water is collected to a harvesting system utilized to provide site irrigation. An Aircuity Optinet Facility Monitoring System was installed to intelligently control each room's airflow in order to increase safety and minimize energy use.

Community Involvement

Hussung Mechanical is going "Green"

Hussung Mechanical is making a commitment to be more environmentally conscious about how we conduct our future business. We have several initiatives that we hope to implement in both the office and in the field that will help fulfill our obligation to preserve and protect our environment. Here are some statistics from the US Green Building Council that help to qualify …"the impact that the built environment has on our natural environment, economy, health and productivity. " In the United States alone, buildings account for:

- 70% of electricity consumption
- 39% of energy use
- 39% of all carbon dioxide (CO2) emissions
- 40% of raw material use
- 30% of waste output (136 million tons annually)
- 12% of potable water consumption

In recognition of these facts, we are pleased to announce our company membership with the US Green Building Council (USGBC). The mission of the USGBC is to coordinate the establishment and evolution of a national consensus effort to provide the industry with tools necessary to design, build and operate buildings that deliver high performance inside and out and that will be fully sustainable now and in the future.
Additionally, we are proud to announce that three of our design build engineers have completed a very rigorous training and testing effort and have become LEED AP's (Application Professionals). Special thanks to Gary Outcalt, Terry White and Earl Baker on this great accomplishment. LEED is the Green Building Certification System rating system, administered by the USGBC, for building construction. It is our sincere desire to be on the cutting edge of the market and technology. Our new USGBC membership and LEED AP's are just the beginning of our commitment.

Thank you to everyone who participated, by donating and or walking, in the 2008 Walk to defeat ALS. The Butcher Family team raised over $8,300 and the ALS Kentucky Chapter raised over $181,000, which is two times their goal amount.
The walk took place at Papa John's Corporate Campus on May 10 with approximately 700 individuals in attendance.

walk to defeat ALS

Safety News

Confined Spaces - What You Need to Know

Do you know the dangers of confined spaces? Confined spaces may contain hazardous atmospheres, including insufficient oxygen, toxic air or an explosive atmosphere. These spaces may also have physical hazards that result in workers falling, being crushed, buried or drowning and these hazards may not always be obvious.

A confined space by definition:

- Is large enough for an employee to enter fully and perform assigned work;
- Is not designed for continuous occupancy by the employee; and
- Has a limited or restricted means of entry or exit.

Confined spaces include, but are not limited to vaults, storage tanks, compartments of ships, process vessels, pits, silos, vats, degreasers, reaction vessels, boilers, ventilation and exhaust ducts, sewers, tunnels, underground utility vaults, and pipelines. There are four main dangers in confined spaces: oxygen deficiency/enrichment, fire or explosion, toxicity and drowning in liquids or free-flowing solids. Although accident statistics show that 60% of deaths related to confined spaces occur because of atmospheric hazards, other serious hazards include noise levels, obstructions, falling objects, wet/slippery surfaces, electrical shock and chemical hazards. More than half of the deaths that occur in confined spaces are those who die while trying to rescue fellow workers.

Always be aware of your surroundings and the necessary safety precautions related to confined spaces. Before entering into any confined space you must contact Jeff Hofmann.

Successful Jobs

Fire Protection Division

Tucker Station - Seven County Services: An existing house in Jeffersontown was purchased to serve as a new facility for troubled youth/adults with substance abuse issues. 7,000-square-feet was added along with a new sprinkler system and new underground service. (Pictured)

Tucker Station - Seven County Services

E.ON Simpsonville: This project for E.ON/LG&E was very challenging due to the fact the building is a 24-7 facility and it had to be completed before any demolition and/or service could commence on either the Arena project or the Humana building. Work on this project included three computer rooms with clean agent suppression systems and eight pre-action systems. E.ON was very happy with the performance of both HMC and Orr Protection Systems, the subcontractor for fire alarms that we employed on this demanding project.

Hilton Garden Inn at The Summit

Hilton Garden Inn at The Summit: The Fire Protection Division recently completed this five-story project for MC Associates and Musselman Hotels. A dry system was installed in the attic and wet systems were installed on all five floors. This project was completed on time and under budget for a long standing customer of HMC Fire Protection. (Pictured)

Hussung Mechanical

Springhill Suites / Fairfield Inn: Springhill Suites is new construction while a large part of Fairfield Inn is a renovation of the old Inn at Jewish Hospital. In an effort to help maintain the owner's budget, Hussung Mechanical's Design team was able to reuse the existing chillers, boilers, pumps and AHU's while still providing two-10 ton RTU's, one-7.5 ton RTU and an abundance of other miscellaneous small equipment. Utilizing 20 experienced pipefitters and plumbers, Hussung Mechanical, along with Whittenberg Construction, met every appointed milestone date and completed both phases of this $3.9 million mechanical construction project in just a little over one year. (Pictured)

Springhill Suites and Fairfield Inn

Employee News

2008 HMC Jamboree

Hussung Mechanical and HMC Service hosted the first ever Family Jamborree. The event was packed with family activities for kids of all ages, cornhole, casting, face painting and wiffle ball. Dennis Pfaadt was the winner of a 32" Flat Screen TV.

"Atta-Boy" E.ON US Recognizes Hussung

At this juncture in the Redundant Cooling Project for the E.ON-US Data Center, I felt it imperative to share my pleasure with the performance of your team and particularly the fine leadership of the foreman. He made this project appear very seamless although you and I know how complex this was and the extreme risks that were involved. I will assure you that I lost some sleep just thinking what could happen up there on the raised floor of an operating data center vitally crucial to the company's entire operation. I was extremely impressed with his precision work and hardly any disruption to our operations. He insured that all contractors performed all of their work in a safe manner in keeping with our policies and procedures in safety. In addition, he kept myself and my management team informed on what was occurring and what was completed on a daily basis. My hat is off to his performance and he is more than welcome to lead any project on any of my sites at any time. Again thanks for the excellent job and for the leadership that Hussung Mechanical has brought to the project. It is deeply appreciated.- Jerry Grant, Manager Facility Services, E.ON US

The Spotlight

WATER INTRUSION & MOLD PREVENTION PLAN - Hussung Mechanical and HMC Service

Risk for litigation arising from water damage and mold in buildings has dramatically affected the construction industry in recent years. Limited accessibility to mold insurance and the prohibitive cost of same further complicates the risk factors associated with water damage claims.

Opportunities to prevent water intrusion occurs at all phases of construction: design, installation, maintenance and warranty. In addition to prevention, our ability to respond immediately and effectively when a significant water intrusion event occurs is critical to minimizing the effect of the event, the associated costs of mitigation and the risk of mold damage.

The water intrusion and mold prevention plan that has been distributed to all Project Managers and Foremen is intended to help our personnel, particularly foremen, superintendents and project managers:

- Understand and employ best prevention practices during all phases of construction.
- Understand their responsibility to inform the construction manager, general contractor, other trade contractors and when appropriate, owners and building managers of all essential requirements to ensure a moisture free environment for each project.
- Establish response protocols for key personnel to follow when water intrusion or microbial contamination does occur.
- Properly document prevention efforts and response procedures.
- Determine when to retain a third-party response and remediation partners.

If you would like to review a Water Intrusion & Mold Prevention packet, contact your Foreman or a Project Manager. If you have questions feel free to contact 657-3808.

Hot Honey Wings - "A sweet, spicy wing recipe that is amazing on the grill!

2 lbs chicken wings, tips discarded
1 tsp cayenne pepper
salt and pepper to taste
1 c honey
1/2 c butter, melted
1/2 c hot sauce

1. Preheat outdoor grill for medium heat and lightly oil grate.
2. Wash wings well, pat dry with paper towel. Season meat with cayenne, salt, and pepper.
3. Cook chicken wings on preheated grill until cooked through and juices run clear, 20 to 30 minutes depending on the size of the wings. Brush the wings liberally using 1/2 cup of honey while they are cooking.
4. Melt butter, pour into large bowl and mix in remaining 1/2 cup of honey and hot sauce. Remove wings from the grill and immediately toss them in the hot honey butter sauce to coat. Serve the wings 'wet' or return them to the grill for 1 minute per side to set the sauce.