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HARRIS HORIZONS

FALL 2013

PLUMBING | PROCESS PIPING | HVAC | REFRIGERATION | CONTROLS | SERVICE | CONVEYORS | ENERGY SOLUTIONS

Superior Air Handling Manufacturing



SUPERIOR MOVES MANUFACTURING TO ZUMBROTA, MN

To maximize efficiencies, improve quality control and standardization, Superior Air Handling has moved its 65 year old manufacturing operations from Clearfield, UT to Zumbrota, MN.

"With both Harris Companies' Clearfield and Zumbrota shops performing similar tasks in the manufacturing of sheet metal for construction projects, and the combined manufacturing area of both facilities totaling over 220,000 square feet...substantially more capacity than needed to support Harris Construction operations, it made sense to consolidate," explained Superior Air Handling President, Randy Richter.

"Superior's new manufacturing location will help both Superior and other Harris Companies' Divisions be more competitive and enhance the quality for manufactured sheet metal and piping components."

For Superior and Midwest Fabrication & Supply (MFS), who now share the newer 78,000 sq ft LEED Silver Zumbrota

facility, the move offers many opportunities. In addition to achieving greater economies of scale, Superior is able to fully leverage the site's team of highly skilled personnel, some of the most advanced manufacturing equipment available, and a broader range of capabilities that include the fabrication and supply of sheet metal, piping, plumbing and specialty metals for mechanical contractors nationwide.

For Superior's MOX Sleeves Project, a project that has helped establish the Harris and Superior names as leading fabricators and installers of accessories for nuclear projects, the details of relocating the components and production were a priority.

Prior to the actual relocation of some of the equipment, Superior modified and transferred its fabrication certification from Clearfield to Zumbrota and constructed a required secure designated area for all MOX Sleeves Project materials, tools, and welding machines so that it could house the manufacturing of nuclear grade components at this facility. The transfer of the procedures and certification of welders to Zumbrota was led by Superior Quality Assurance Manager, George Kenney.

Additionally, to meet the quality assurance procedures required for the production of MOX Sleeve components, all welding tables and tools were covered with stainless steel so that contamination of sleeve material with carbon steel does not occur.

Superior Welding Manager Clint Young, recently relocated to Minnesota to provide additional leadership for the fabrication of the MOX Sleeves in Zumbrota working in a Quality Control Manager role.

Superior Shipping Manager Brad Schofield has also recently relocated to Minnesota to work closely with the Zumbrota staff to lead the setup of crating and logistic tracking systems similar to the systems Superior was using at its Clearfield facility.

"We are thankful to the efforts of Mark Slagle, Troy Staven, Mike Nelsen, Bob Huey, and Mike Ostertag at the Zumbrota facility and George Kenney, Brad Schofield and Clint Young from Superior for the smooth transition," expressed Richter. "The success of the transition is a tribute to the professionalism that both shops displayed throughout the process." ❁

PRESIDENT'S PERSPECTIVE



SAFETY INITIATIVES FOCUS ON EMPLOYEES TAKING A MORE ACTIVE ROLE

Often times we don't know what we don't know, and we can march on blissfully unaware. More often than not however, we know what we don't know, and these situations make us uncomfortable.

As we at Harris work towards a goal of zero lost time accidents one of the key elements of success will be changing the perception that safety is the responsibility of the safety department, to one in which operations clearly understands that they are responsible for safety, with the safety department as their trusted resource. We've undertaken a number of initiatives this year relating to safety, but two clearly address this specific need.

First we've put forth an initiative to make sure that individuals in the operational line of authority have the skills to help identify jobsite hazards and work with their team to correct them.

Since January 1 of this year, we've had over 87 people within our organization receive their OSHA 30 card. These include Project Managers, Superintendents, Division Managers, Presidents, CEO, and even our CFO! Most of us took this training on line, and while it was challenging to

stay focused at times, the content was solid. While no one becomes a safety expert with one class, it certainly helps many of us feel more comfortable taking an active role in job site safety.

The second initiative is focused more on structure. To date we've had local safety teams in most regions but no corporate safety team whose job it is to create consistent uniform standards, bring best practice from one region to another, and share information. This new team will meet monthly and will review and update policy, and communicate this policy to the local teams with minimum standards for implementation.

This team consists of:

Greg Hosch	Harris Companies
Dan Kent	Harris Companies
Dan Aghdam	RM Thornton
Brent Petrie	Harris Service
Nick Cluff	Harris Mechanical Intermountain
John Krhin	Harris Mechanical Southwest
Craig Mickelson	Superior Air Handling
Randy Richter	Superior Air Handling
Greg Donley	Midwest Fabrication & Supply
Jon Ewing	HiMEC Mechanical
Rob Latta	Harris Mechanical
Todd Thiele	Harris Controls

If you have ideas about how to improve our safety culture or performance, this is the team you should direct them to! Working together, through education, training, and structure we can continue on our journey towards "Zero." 🚫

Greg Hosch, CEO

SECOND STORY

Harris Mechanical - St. Paul, MN Minnesota State Capitol - Renovations St. Paul, MN

In July 2013, the Capitol Preservation Committee, led by Governor Mark Dayton, voted to proceed with a \$272 million renovation of the State Capitol Building with a significant part of the budget dedicated to improving the deteriorating mechanical, electrical and plumbing systems. Harris Mechanical began work on the three year project providing Design/Assist plumbing, HVAC and controls services, and look forward to working with its partners on this significant state landmark.



Harris Mechanical - St. Paul, MN Macy's—Ridgedale Mall Store Minnetonka, MN

Work is currently underway installing plumbing and HVAC for the 80,000 sq ft addition to the Macy's Ridgedale store. The first phase of this project began in June with the build-out of the building shell, and is due to be completed after the first of

the year. The second phase of the project, which focuses on the interiors, began in August and will be completed in October 2014.

Harris Mechanical - St. Paul, MN University of Minnesota - TCF Bank Stadium Upgrades Minneapolis, MN

Harris Mechanical was awarded the Design/Build contract to upgrade the mechanical systems for the TCF Bank Stadium. The improvements to the four year-old stadium will accommodate the Minnesota Vikings' two-year use of the stadium during the construction of the team's new stadium. The project includes plumbing, HVAC, controls, fire protection, as well as field heat, winterization, shell space build-outs and more. The project began in September and is due to be completed in July 2014.



...continued on page 3

Harris Mechanical - St. Paul, MN

**Abbott NW Hospital—Penthouse
Minneapolis, MN**

HVAC and plumbing work on the new Penthouse at Abbott NW Hospital is currently underway. The project, which is scheduled for completion in February 2014, includes the installation of two new air handling units and the routing/installing of chilled water, steam and condensate piping to the new Penthouse.

Harris Mechanical - St. Paul, MN

**Methodist Hospital—Women’s Center
St. Louis Park, MN**

Construction has just begun on the build-out on the 5th floor of the Methodist Hospital. Harris will be providing all Design/Build HVAC and plumbing for the 30,000 sq ft project and is due to complete the project in March 2014.

Harris Mechanical - St. Paul, MN

**Ridgeview Medical Center—Renovations
Waconia, MN**

Harris Mechanical is currently working on the 14,000 sq ft renovation of existing patient rooms on the second floor at the Ridgeview Medical Center. The project will be completed in four phases and due to be completed in summer of 2014.

Harris Mechanical Southwest - Phoenix, AZ

**Solana Solar Power Plant
Gila Bend, AZ**

Harris Mechanical Southwest (HMSW) has recently completed work for the Solana Power Plant. To date, they've completed a total of six projects for



the power plant during the last 18 months installing over 170,000 linear feet of large bore carbon steel welded pipe. With a dedicated workforce of as many as 175 employees on-site, working up to two 12 hour shifts 7 days a week, HMSW successfully completed the work helping the owner meet their aggressive startup schedule.

**Harris Mechanical Southwest - Phoenix, AZ
Twin Arrows Navajo Casino Resort—Phase II
Flagstaff, AZ**

Harris Mechanical Southwest was recently awarded a \$3.4 million Design/Assist plumbing and HVAC contract for Phase Two of the Twin Arrows Navajo Casino Resort. Construction is currently underway to build an additional 110 hotel rooms and the Hózhó Spa for the resort.

**Superior Air Handling - Clearfield, UT
VA Hospital New Orleans**

New Orleans, LA

Superior was awarded a \$16.1 million contract earlier this year for the new construction project set to replace the original Veteran's Hospital that was damaged by Hurricane Katrina in 2005. The project



includes fabricating and installing over two million pounds of ductwork for HVAC systems which will serve four buildings comprising nearly a million square feet of hospital space. Most of the ductwork will be fabricated in our Zumbrota facility.

**Harris Mechanical Intermountain - Salt Lake City, UT
Project Air**

Salt Lake City, UT

The Intermountain Division was awarded the mechanical contract for the Air Center and will be providing Design/Build plumbing, HVAC and controls (via Wasatch Controls) services for the project. Primarily designed as an entertainment center, the project will contain a mix use of office space, a night club, a restaurant and more.



courtesy of Ken Bretschneider

DID YOU KNOW....

Ross Nelson from Harris Controls was promoted to General Manager.

Steve Bailey tied for 7th out of 150 participants in the Chimera 100 Mile race in Cleveland National Forest, CA which has over 22,000' of elevation gain and is rated one of the toughest trail 100 mile races in the country.

Harris Mechanical Southwest moved to a new business location in the Phoenix, AZ area in July. The new location offers a larger office complex to accommodate the growth of the company, and a warehouse and fabrication shop. The new address is: 2225 W Parkside Lane, Phoenix, AZ 85027.



For more information on our projects, visit:

www.hmcc.com



909 Montreal Circle
St. Paul, MN 55102
(651) 602-6500
www.hmcc.com



1925 S. Milestone Dr., Ste. E
Salt Lake City, UT 84104
(801) 433-2640



2225 W. Parkside Ln.
Phoenix, AZ 85027
(602) 443-7300



909 Montreal Circle
St. Paul, MN 55102
(651) 602-6500
www.harriscontrols.com



909 Montreal Circle
St. Paul, MN 55102
(651) 602-6500



1400 7th Street NW.
Rochester, MN 55901
(507) 281-4000
www.himec.com



1400 7th Street NW.
Rochester, MN 55901
(507) 281-4000
www.himec-conveyors.com



120 Westhampton Ave.
Capitol Heights, MD 20743
(301) 350-5000
www.rmthornton.com



120 Westhampton Ave.
Capitol Heights, MD 20743
(301) 350-0241
www.capitalcitycontrols.com



200 East 700 South
Clearfield, UT 84015
(801) 776-1997
www.superiorairhandling.com



1925 S. Milestone Dr., Ste. E
Salt Lake City, UT 84104
(801) 433-2640
www.wcontrols.net



200 East 700 South
Clearfield, UT 84015
(801) 776-1997
www.superiorfp.com



500 22nd Street
Zumbrota, MN 55992
(507) 732-1300
www.midwestfabricationandsupply.com



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For an electronic version of the newsletter or to submit comments and suggestions, contact Karen Maynard at kmaynard@hmcc.com or Lucie Marusin at Imarusin@hmcc.com.

PROJECT SPOTLIGHT

The MOX PROJECT

by Alex Wilde, Superior Air Handling

The MOX Project has been one of Superior Air Handling's largest on-going projects to date, but one that many employees know little about. When asked, "What do you know about the MOX Project?," employees often respond with:

"I think it's that job we have in the South somewhere."

"It's that top secret project that nobody can talk about."

"Isn't that the job where they make nuclear stuff?"

"It's that old job we've had for years which is almost finished."

MOX, by far, is one of our company's most significant, complex, challenging and rewarding projects due to the unique design of the nuclear processing systems and the strict compliance to

NQA-1 quality requirements, and without a doubt something we at Harris Companies can be proud of.

"Yes," the MOX Project is located in the south at the Savannah River Site (SRS) near Aiken, South Carolina...less than 30 miles from the Augusta National Golf Course where the Master's is played.

"No," the MOX Project is not a top secret project, but has certain security requirements preventing public access.

"Yes," the MOX Project is a facility designed to take surplus weapon-grade plutonium, remove impurities, and mix it with uranium oxide to form MOX fuel pellets for reactor fuel assemblies. These assemblies will be irradiated in commercial nuclear power reactors.

"Yes," Superior Air Handling has been involved in the MOX project since 2002 and has been mobilized on the project site since 2009. We've installed roughly 30% of the NQA-1 ductwork and equipment and are far from complete.



The National Nuclear Security Administration (NNSA)'s Mixed Oxide (MOX) Fuel Fabrication Facility.

Our team of over 150 employees has significantly and positively influenced the project with our planning and performance while completing nearly 800,000 man hours to date on the project without a single lost time incident. Our success is due to a lot of talented and dedicated people. Nice job team!

For more information about the project, facility, construction, photos and videos, visit www.moxproject.com. 🌱