

# PIPELINE

It's What's Inside That Counts

## MARGARET A. CARGILL PHILANTHROPIES

The Margaret A. Cargill Philanthropies (MACP) project with McGough Construction included a renovation of the existing 30,400 SF office building along with an addition of 56,000 SF. The renovation and addition were driven by MACP's internal growth from 85 employees to an anticipated 140. The new facility will boast 144 tons of geothermal heating and cooling capacities, solar thermal domestic piping, and graywater and rainwater retention. The building will be classified as LEED Platinum. The museum-like quality finishes of the MACP building were extremely important to the owner and became a real focus for the team throughout the project.

### The Challenges

In January, MMC was faced with the challenge of drilling 144 vertical geothermal wells in ground-freezing conditions. The wells had to be installed prior to the spring wetland growth in early May. Extensive scheduling and planning months prior to work starting allowed us to layout many options to complete the schedule depending on how the weather ended up. Close tracking of weather forecasts allowed us minimal down time in the season of drilling.

The acoustical sheetrock ceilings presented another challenge for the MMC team. The ceilings had very little tolerance to provide access panels for mechanical maintenance. With input and involvement from the entire project team, we were able to overcome this constraint by installing a remote damper and choosing strategic valve locations.

The MACP jobsite also had limited space which meant no room for lay down of materials or equipment. MMC's fabrication shop saved the day and was able to effectively manage and store the equipment and materials allowing for just-in-time deliveries to the site.

### The Rewarding Aspects

MMC installed multiple new building systems to the MMC standard of quality, as well as the LEED Platinum requirements.

The team created a complete 3D BIM model which allowed for ease of installation and improved conflict avoidance.

MMC utilized Crew First packets for all trades, which allowed the foremen to have accurate material lists and durations. These durations were crucial for the McGough Pull Plan meetings where each trade had to lay out their schedule in order to avoid conflicts in the building.

MMC also installed a fully automated building control system, which saves energy costs as well as lengthens the life of installed equipment.

MMC held multiple owner training sessions for the entire mechanical system installed. This gave the owner confidence to take over the building upon completion, as well as a secure feeling knowing MMC's service team will be able to help with any issues in the future.

### Our People

The success of this project is attributed to MMC's team leads: Pipefitter Foreman Mark Carlson, Plumber Foreman Mike Ohmann, Sheet Metal Foreman Doug DeWeese, Piping BIM Coordinators Kip Olson and Mark Burch, Sheet Metal BIM Coordinator Bob Lucas, Start-up Technicians Troy Randall and Clay Rosine, Piping Project Manager Erin Chapman, Sheet Metal Project Manager Brent Thompson, Controls Project Manager Greg Zernechel, Service Project Manager Jon Richards, and Assistant Project Managers Kyle Gow and Elliot Newton.



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## MARK'S MESSAGE

MMC's company purpose is to impact lives. Our purpose statement gets at the heart of why we do what we do. One component of our purpose is to leave a legacy of excellence. This idea of legacy came up over and over again during our strategic planning meetings. Employees across the entire organization felt that MMC's legacy of knowledge, experience and excellence in the industry is what sets us apart.



MMC began in 1963 and we have employees who have been with the company for as long as 38 years. We have plumbers, tanners, pipefitters, project managers, engineers and support staff on our team with over 25 years of experience at MMC. They possess a level of expertise, skill and knowledge that can't always be taught in a classroom. The legacy of excellence that MMC has built over the last 53 years is one we need to leave with the younger generations that will be filling our shoes.

To do this, we must engage in knowledge sharing. Industry best practices, proven installation techniques and our commitment to excellence must be passed down and shared across the entire organization. The skills and expertise our employees possess are truly invaluable. It's important that they be imparted on the younger generations of the MMC team so that we can continue to fulfill our purpose and our legacy of excellence.

Mark Anderson  
President

## LOVE WITHOUT BOUNDARIES

MMC supported the 2016 Love Without Boundaries Cleft Lip and Palate Medical Mission to Kaifeng, China. The mission was very successful and they were able to help 35 children. MMC's Copper traveled with the mission group which included Pipefitter Norvy Donnohue's wife, Dana. Copper's travel included Hong Kong, Beijing, Kaifeng, Shanghai and Japan.



**MMC**

**OUR VALUES**



COMMITTED TO  
EXCELLENCE



CULTURE OF  
COMMUNITY



INTEGRITY GUIDES  
OUR ACTIONS



LEAD BY  
EXAMPLE

**OUR PURPOSE**

To Impact Lives  
 Provide and Service Mechanical  
 Systems at the Best Value  
 Grow our People  
 Build Relationships  
 Leave a Legacy of Excellence

**OUR VISION**

Committed to Excellence  
 Culture of Community  
 Integrity Guides our Actions  
 Lead by Example

**FUN FACTS**

Please join us in welcoming our interns provided by Api Group, Inc:

- Jordan Gunerius
- Samantha Kropp
- Madison Montgomery
- Andrew Sweeney

Please join us in welcoming our MMC interns:

- Josef Hofmeister
- Alex Nhep
- Thomas St. Martin

Congratulations to Project Manager Tyler Strachota on passing his professional engineer exam.

Congratulations to General Manager of Technology Matt Gardner on the birth of his daughter Eliada Jane. Eliada was born on April 7th weighing 7 lbs. 14 oz. and was 20" long.

Congratulations to Sheet Metal Foreman Tony Gliniany on the birth of his son Bryce Robert. Bryce was born on March 22nd weighing 9 lbs. 6 oz. and was 21" long.

The MMC office got some new artwork! The artwork was created by Matt Schnell of Red Barn Creations. Matt worked closely with the MMC team to create designs that fit the MMC brand, purpose and values. Materials for the pieces included aged aluminum, copper and brushed stainless steel.



**PROJECT PRIDE-WALKER ART CENTER**

The renovation of the Walker Art Center/Minneapolis Sculpture Garden campus is underway. This project will bring a unified campus feel to the 19-acre expanse of urban green space. The project consists of an addition to the existing Bazinet lobby/entrance along with a new vestibule, new corridor from parking ramp to lobby, rework of existing mechanical on the main floor and lower level to accommodate the new floor plan, and a new café and kitchen. The project also includes the greening of Hennepin Avenue, rainwater reclamation systems in the garden and hundreds of new trees throughout the campus.

Newly installed mechanical systems include a sidewalk snowmelt system, an air handling unit, a makeup air unit for the kitchen, and an electrostatic precipitator to control the kitchen exhaust and odors. The electrostatic precipitator is a unique system. The kitchen grease exhaust is filtered through this unit eliminating cooking odors outside near visitors. This was important with all new green space.

The completion of the new entrance is anticipated to complete in November of 2016 and the garden will reopen in summer of 2017.





## SAFETY WEEK 2016

Safety is engrained in our everyday activities. However, each year we look forward to Safety Week. 2016 Safety Week included safety audits across all MMC job sites, toolbox talks, safety demonstrations and celebrations. For Safety Week 2016, we distributed hard hat stickers and high-visibility t-shirts with a new design created specifically for Safety Week. Posters were also created for our office and our job sites for the week.

Focus topics for this year's Safety Week included distracted driving, hand safety, stop work responsibility and ladder safety. Each day, our crews watched videos or listened to toolbox talks on one of the safety topics. MMC looks forward to next year's Safety Week as we continue to grow our safety culture.



### EMPLOYEE SPOTLIGHT



**LUIGI ANDRETTA**

Sheet Metal Shop Foreman

**When did you start working for MMC?**  
May of 1984

**Where did you grow up?** St. Paul, MN

**What is the one, single food that you would never give up?** Pasta

**What is your favorite movie?**  
Gladiator

**What is your favorite TV show?**  
Blacklist

**What is your favorite dessert?**  
Cannoli

**What is your worst pet peeve?**  
The word can't.

**If you were not doing this, you'd be?**  
Camping on the north shore.

**What do you like to do when you're not working?** Camping and kayaking.

**If you could be someone famous for one day, who would you be?** Jaques Cousteau

**If you could travel any where in the world, where would it be?**  
My home town of San Fior, Italy.



**IN THE WORDS OF PRESIDENT MARK ANDERSON, "THERE IS NOTHING MORE IMPORTANT THAN A SAFETY-ORIENTED COMPANY AND LIFESTYLE."**



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