



Presents...

MCAA  **FAB**




Facility Tour Hosted by:



May 9 -11, 2018
Hyatt Regency
Buffalo, NY

John W. Danforth Company

The John W. Danforth Company is a charter member of the MCAA and a leading mechanical construction company. Founded in 1884, Danforth provides turn-key solutions for the healthcare, industrial, education, commercial, government, power, and the sports/entertainment markets. Danforth's fabrication facilities, with over 140,000 square feet of fabrication space, are in three cities across New York State. It's territory spans hundreds of miles within New York, Pennsylvania and the New England States. Danforth is signatory with 29 unions. Buffalo is its headquarters and home to the pipe and sheet metal shops; the Rochester region maintains a pipe shop as well as its dedicated stainless steel and high-purity fabrication shop; its Capital Region facility hosts a pipe and sheet metal shop. Danforth is 100% employee-owned (ESOP), and is a growing company with over 200 office personnel and up to one thousand union trade workers. **Its mission is simple: to deliver industry leading experiences for our customers every day.**

Pipe Fabrication

Across New York State, Danforth has five physical facility spaces dedicated to piping fabrication. These shops, two of which you will see during the tour, support projects for heating and plumbing systems, refrigeration, process piping and power in the market segments in which Danforth works. The tour will cover the Buffalo carbon steel and copper pipe facilities where demos of various processes and procedures will be provided.

Stainless Steel and High Purity Fabrication Facility

Located in Victor, NY, (Rochester) just 90 minutes east of Buffalo is Danforth's stainless steel fabrication facility, one of the few fabrication shops of its kind in the northeast. The SS shop and ISO class 6 cleanroom fabrication space support extremely customized stainless steel fabrication for New York State's semiconductor and optics manufacturing industries, as well as specialized healthcare and research facilities. The 17,600 sq. ft. stand-alone facility is made up of 11,000 sq. ft. for SS piping fabrication, 4,000 sq. ft. for clean room fabrication, and 2,600 sq ft of office space to support these operations. Your tour will include a video of the SS shop and a discussion of this space where we focus solely on the cutting, facing, welding, and inspection of stainless steel piping and other high purity tubing systems.

Sheet Metal Fabrication

Located at the 400 Colvin Woods Parkway building in Buffalo, the sheet metal shop works with a variety of metals and processes to fabricate duct sections to meet SMACNA standards for the industrial and HVAC projects the company completes. The shop maintains sheet metal equipment to cut, form, weld, fabricate, and assemble various metals from 26 gauge to ½" thick plate.

CAD

Danforth employs 25 CAD personnel who utilize BIM and Autodesk programs to design efficient plumbing, HVAC, and specialty process systems, as well as individual components for prefabrication. These component drawings tie in with the CNC machinery in both pipe and sheet metal shops, allowing for direct communication and resolution of issues among our design, fabrication and operations personnel.

Hosts

Your hosts for the tour of John W. Danforth fabrication facilities include: **Kevin "Duke" Reilly**, CEO; **Robert Beck**, Danforth President and MCAA Board of Director's member; **Todd Follis**, Director of Construction Operations; **Mike Bement**, Director of Shop Operations; and **Pat Moran**, Director of Virtual Design and Construction.

Wednesday, May 9

3:00 p.m. **Registration** (*Niagara Foyer*)

5:00 p.m. **Conference Overview, John Koontz**

5:10 p.m. **John W. Danforth Company Presentation** (*Grand Ballroom*)
Kevin “Duke” Reilly, CEO; **Robert Beck**, President; **Todd Follis**, Director of Construction Operations; **Mike Bement**, Director of Shop Operations; and **Pat Moran**, Director of Virtual Design and Construction.

6:00 p.m. **Happy Hour** (*Grand Ballroom Foyer*)

7:00 p.m. **Dinner and Idea Exchange** (*Grand Ballroom*)

Thursday, May 10

7:00 a.m. **Breakfast** (*Grand Ballroom*)

8:00 a.m. **Bus Boarding**

8:30 a.m. **John W. Danforth Tour**

The tour will cover Danforth’s Tonawanda fabrication facilities. Lunch will be provided. The 21 tour stations are:

- | | |
|---|---|
| #1 High Purity | #2 Shop Orders/Specialty Vehicles |
| #3 Material Receipt/Handling/Inspection/Storage | #4 Vernon Cut Station |
| #5 Welded Shop Flow | #6 Automated Welding Cell |
| #7 Grooved Station/Modular Fabrication | #8 Safety |
| #9 CAD Workflow | #10 CAD Deliverables |
| #11 Custom/Fitting | #12 Welded Ductwork |
| #13 Fab Sketch/Kitting/Loading and Shipping | #13 Coil and Spiral |
| #15 Project Share Structure | #16 Corporate Standardized Operating Procedures |
| #17 QA/QC | #18 Thermaduct |
| #19 Copper Fab and Carriers | #20 Shipping and Fixtures |
| #21 Hangers | |

2:30 p.m. **Return to hotel**

3:00 p.m. **John W. Danforth Tour Recap** (*Grand Ballroom*)

3:30 p.m. **Case Study – The Largest Heat Recovery Unit Assembled in the US** -- Durr Mechanical
Paul Thompson, Vice President, and **Steven Thompson**, Construction Manager, will explain how an 8 million-pound heating structure (HRSG) was assembled, floated down the Hudson River past New York City, delivered and installed in a new power plant project in New Jersey.

4:30 p.m. **Mini Product Show and Happy Hour** (*Grand Ballroom*)

Exhibiting Companies:

- | | | | |
|----------------|----------------|-----------------|-------|
| ▪ Autodesk | ManufactOn | T-Drill | Viega |
| ▪ Fab Pro1 | Milwaukee Tool | Team Industries | Zurn |
| ▪ Dewalt | Mueller | Trimble | |
| ▪ GTP Services | Pentair/Caddy | Victaulic | |

6:30 p.m. **Dinner on your own**

Friday, May 11

- 7:00 a.m. **Breakfast** (*Grand Ballroom*)
- 8:00 a.m. **Lean for Fabrication Facilities** – Larks Erkelenz, Viega’s Director of Supply Chain Development and Controlling, will explore how contractors can implement manufacturing processes into their lean effort.
- 9:00 a.m. **The Work Activity Method for Estimating Fabrication** – Ron King, Co-chair, MCAA WebLEM
- 10:00 a.m. **North Mechanical Best Practices Presentation**—Rod Foley, Vice President and Kevin Silvius, Project Manager will showcase their workflow optimization process.
- 10:30 a.m. **My 10 Things and Conference Wrap-up** – John Koontz

Networking

You will have ample time to exchange ideas with your fellow attendees throughout the conference. To maintain the friendships and networking alliances you develop at this seminar, refer to the email addresses and phone numbers provided for each attendee with your conference materials. Prior attendees have used this opportunity to create their own “peer groups” to continue sharing ideas after the conference.

Exhibiting Companies



MCAA extends its appreciation to all prior hosts:

CCI Mechanical
Hill Mechanical
The Smith & Oby Company
H. T. Lyons
Kinetics
Dunbar Mechanical
Current Mechanical
C J Erickson Plumbing

Dynamic Systems
W. E. Bowers
Neptune Plumbing
Shinn Mechanical
ACCO Engineered Systems
CFI Mechanical
Binsky & Snyder
J F Ahern

Mechanical, Inc.
John J. Kirlin
S.A. Comunale
McKinstry
Broadway Mechanical
Humphrey Co.
Limbach

MCAA Fabrication Task Force

Greg Fuller, president, North Mechanical, Indianapolis, IN
Jeff, Knoup, Vice President, Mechanical, Inc., Freeport, IL
Jay Rohan, Senior Vice President, Dynamic Systems, Inc., Buda, TX
Mike Shinn, President, Shinn Mechanical, Kent, WA
MCAA Staff representatives:
Cynthia Buffington, Senior Executive Director
Sean McGuire, Director, Construction Technology

Conference Location

The conference program and activities are being held at the Hyatt Regency Buffalo. Transportation for the tour to John W. Danforth Company will depart from the Hyatt Regency.

Hyatt Regency, Buffalo
Two Fountain Plaza
Buffalo, NY 14202
Phone: 716-856-1234

This conference is sold out with a waiting list. If your plans change and you are unable to attend, please contact Baha Kandirmaz at MCAA – bahak@mcaa.org or call him at 301-990-2217. If you cancel prior to May 3, MCAA will refund your registration fee and hotel deposits.



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