



American Society of Heating,  
Refrigerating, and  
Air Conditioning Engineers  
Inc.

**Special points of interest:**

- President Message
- Twin Tier News
- Monthly Meetings
- Society News
- Scholarships
- Business Card Advertisements
- Employment

## ASHRAE 2016-2017



### February Meeting

Student Night  
February 21, 2017

### Tour:

Binghamton University's Center of Excellence  
& Smart Energy Building at the ITC

### Presentation:

Smart Energy Building

Monika Furch, R.A., Binghamton University  
David Lewis, P.E., Binghamton University

To register, visit the Chapter website:

<http://twintiers.ashraechapters.org>

Please send all newsletter comments to:

Andrew Nice, Editor  
c/o Meier Supply Co.  
275 Broome Corporate Parkway  
Conklin, NY 13748

[Email the Editor](#)

#### *Inside this issue:*

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Corner

President's

Dear Twin Tiers,

I would like to thank our distinguished lecturer, R. Vijayakumar, for a great presentation last month. He did an excellent job of describing the basics of clean-room design and he received great feedback. It was nice to get to meet and talk with some of the Past Presidents who built the foundation of our Chapter! The fact they took time to come out and support the Chapter years after their service speaks volumes. Thank you to all who have volunteered their time and continue to support this great Engineering community.

This month's meeting will seem like déjà vu. We will again be touring Binghamton University Smart Energy Building. I am excited to see the progress from last year. As a bonus we will also tour the Center of Excellence.

Hope to see you all there!

-Travis  
Twin Tiers Chapter President

Chapter President



Travis R. Fisher  
(607) 255-5608

[Email Me!](#)

2016-2017  
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**Vice President**

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**Treasurer**

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**Secretary**

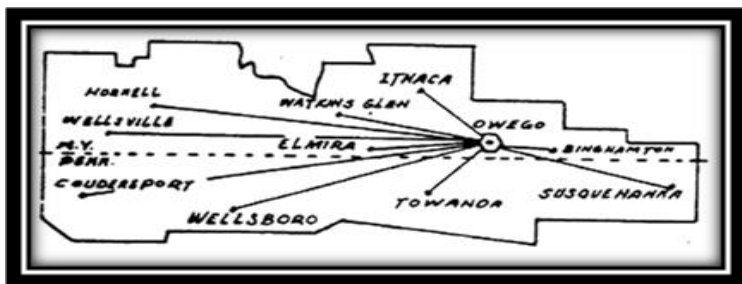
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## Twin Tiers Chapter

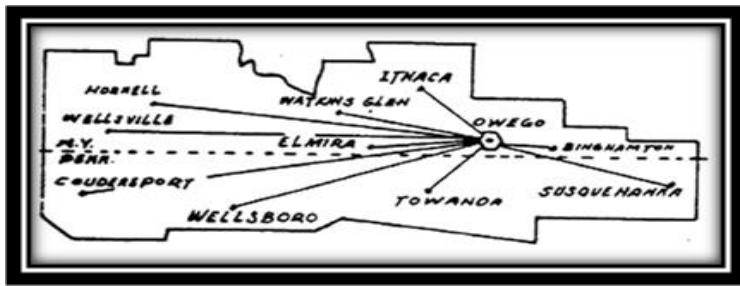
### Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities
MIN/PAR	600/1200	450/1050	500/650	100/300	500/800	800/1050	300/500
Current	735	1100	450	330	1105	690	420

POINTS CURRENT AS OF 2/16/2017

### Chapter Committee Chairs

<b>Technology Transfer</b> Petros Papathomopoulos (607) 723-9421 <a href="#">Email Me!</a>	<b>Government Activities</b> Doug Breese (585)402-7090 <a href="#">Email Me!</a>	<b>Refrigeration</b> Rob VanSkiver (585) 591-8168 <a href="#">Email Me!</a>	<b>Golf &amp; Clambake Outing</b> Michael McGinnis (607)727-3168 <a href="#">Email Me!</a>
<b>Membership Promotion</b> Chris Wolak (484) 350-1954 <a href="#">Email Me!</a>	<b>Nominating</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>Meeting Reception</b> Kyle Nedlik (607) 321-6100 <a href="#">Email Me!</a>	<b>H.O. Ward Scholarship</b> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>
<b>Research Promotion</b> Glenn Roberts (315)234-1527 <a href="#">Email Me!</a>	<b>Student Activities</b> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>	<b>Membership Directory</b> Chris Wolak (484) 350-1954 <a href="#">Email Me!</a>	<b>Albern Education Fund</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>
<b>Honors &amp; Awards</b> Doug Breese (585)402-7090 <a href="#">Email Me!</a>	<b>Historian</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>	<b>Symposium– Fall/Spring</b> Petros Papathomopoulos (607) 723-9421 <a href="#">Email Me!</a>	<b>Auditing</b> Rick Sanguinito & Jason Gilbert (607) 231-6605 <a href="#">Email Me!</a>
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## Twin Tiers Chapter– Monthly Meeting Information

### *2016-2017 Meeting Dates:*

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
20-Sep	Andy Nice, Meier Supply Co.	VRF Training Center Tour and Properly Specifying VRF Presentation	21
18-Oct	Stan Kutin, Bell & Gossett	Advancements in Pumping & Motor Efficiency	23
15-Nov	Mark Casadevall, Ardagh Group Steven Walker, Ardagh Group	Tour of Ardagh Group LEED Canning Facility	23
20-Dec	Theodore Firnstein, Siemens	Green Lab Solutions (PDH) Theme: RP Night	20
17-Jan	R. Vijayakumar, Ph.D. ASHRAE Distinguished Lecturer	Basics of Cleanroom Design Themes: Past President, Membership Promotion, History	-
21-Feb	<b>Monika Furch, R.A., David Lewis, P.E., Binghamton University</b>	<b>Tour: Smart Energy Building &amp; Center of Excellence</b> <b>Topic: Lithium Battery Research Facility</b> <b>Theme: Student Night</b>	
21-Mar	Jason Gilbert, P.E. Binghamton University	Binghamton University Tour <b>Themes:</b> Student Night, YEA, History	
18-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	
16-May	Mike Gavin, REHAU Inc.	Snow and Ice Melting Systems (PDH) <b>Themes:</b> Refrigeration	
20-Jun	None	Golf Tournament	

*NOTE: Speakers and topics are subject to change based on availability.*

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American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Membership Promotion Message

### Chapter Membership Promotion

#### Chris Wolak

As we begin a new chapter year I would like to remind everyone that ASHRAE has two different membership grades: Associate and Member. Full member status is available to all members with 12 years of experience in the industry. This includes any post high school education. For example, if you have eight years' experience in the industry and hold a bachelor's degree, you would be available for full member status. If you have the required experience, all you need to do is to upgrade your bio at ASHRAE.org and send me a note once its updated. Since we started the new year, the following associate members have been upgraded to full member status:

Glen Roberts  
Petros Papathomopoulos  
Joe Parisella  
Mike McGinnis  
Travis Fisher  
Rob VanSkiver

Our chapter roster indicates that we have 25 members over the age of 32 that are associate status, next time you renew your membership please take a few minutes to update your bio.

Chris Wolak  
Twin Tiers Membership Chair

[Email Me](#)



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## February Meeting Announcement

# February 21, 2017

## Student Night!!!

### February Chapter Meeting

#### Tour:

#### Smart Energy Building

#### Description:

We will have a progress tour of the Smart Energy Building that we toured last year to see how much further along it is now.

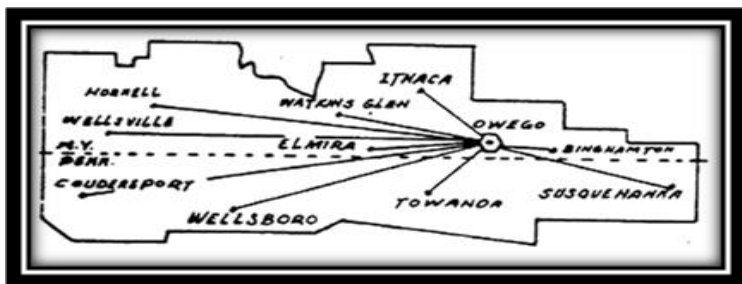
Then we will head next door to the Center of Excellence to visit the "Driest room on earth" with a relative humidity of less than 1% and a dew point around -40 deg. This facility is a lithium battery research facility designed by David Lewis P.E., Monika Furch R.A., and Scientific Climate Systems of Houston Texas, for Dr. Stan Whittingham. The room is climate controlled with a Munters dehumidification system.

"Batteries with metallic lithium electrodes present safety issues, as lithium is a highly reactive element; it burns in normal atmospheric conditions because of the presence of water and oxygen. As a result, research moved to develop batteries where, instead of metallic lithium, only lithium compounds are present, being capable of accepting and releasing lithium ions."

Currently, Whittingham and his colleagues at the NECCES are searching for a way to increase the efficiency of lithium batteries by using different materials than carbon, such as silicon or tin, to build the anode.

By changing the material of the anode, Whittingham and his colleagues hope to increase the structural integrity of the battery, thus increasing its ability to store energy for longer periods of time.

"If we can make your iPhone last a week or let your car drive for 300 miles, we'd be a lot happier," Whittingham said. "Our goal is to increase the amount of energy we store, make it safe and lower the cost."



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## February Meeting Announcement

# February 21, 2017

## February Chapter Meeting

- DATE:** Tuesday, February 21th, 2017
- TIME:** 5:00PM
- MEETING LOCATION:** Binghamton University - Center of Excellence  
4500-4668 NY 434  
Vestal, NY 13850
- SPECIAL EVENT:** Student Night
- SPEAKER:** Monika Furch, R.A. and David Lewis, P.E.
- AGENDA:** 5:00 – 6:00 – Tour of Center of Excellence and Smart Energy Building  
6:00 – 7:00 – Brief Chapter Meeting and Dinner
- MENU:** Buffet Dinner
- REGISTRATION:** Register online at <http://twintiers.ashraechapters.org/> (Under the “Programs” Tab)  
\$25.00 Early Registration (By 2/17/2017)  
\$30.00 (After 2/17/2017)
- CONTACT:** Petros Papathomopoulos  
(Please call, text, or email me at below with any questions or if you get lost)  
E: [Email Me!](mailto:Email Me!)  
C: (607) 725-6900

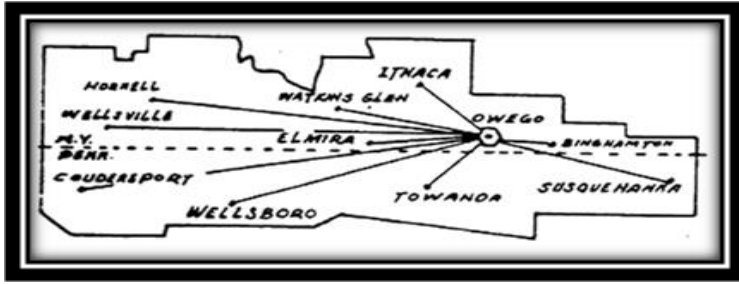




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## February Meeting Announcement





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### Research Promotion

# Thank you to all who participated in our 2017 Super Bowl Pool!!!

## Congratulations to our winners!

Steven Colwell  
Matt Hawley  
Brent Ingraham  
Steve Urda  
Meier Supply Co.





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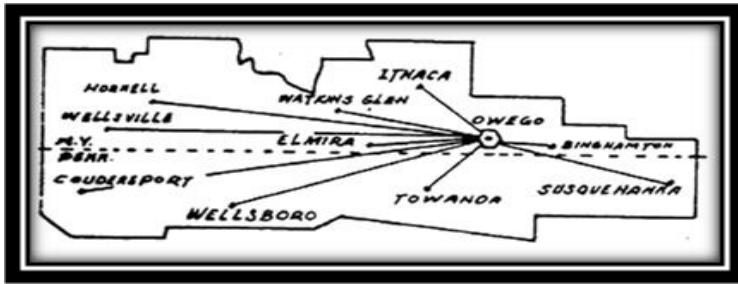
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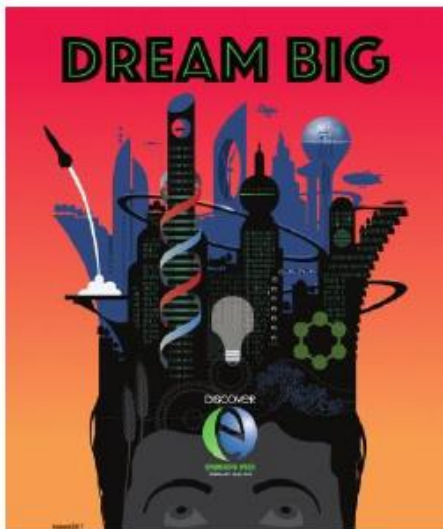


**Joe O'Hara, NCT**  
Branch Sales Manager



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## Engineers Week



## 2017 ENGINEERS WEEK DINNER

*"Dream Big"*

Wednesday, February 22, 2017

**LOCATION:** Holiday Inn Arena, 2 Hawley Street, Binghamton, NY (West of Veterans Memorial Arena)

**TIME:** 5:30 - 6:30 PM Cash Bar, Poster Presentations, 6:30 - 7:30 PM Dinner, 7:30 PM Awards and Speaker

**POSTER PRESENTATION/CELEBRATION: Your Chance to Participate.** Each Individual or Company is invited to bring a poster and an easel to "show-off" a completed project that was successful. We will place them in the room for viewing during our arrival time.

**AWARDS:** SUNY Broome, Tompkins Cortland Community College, and Binghamton University NYSSPE Scholarship Recipients Recognition



**SUBJECT:** "Geothermal Radiant Heating for Airfield Pavements"

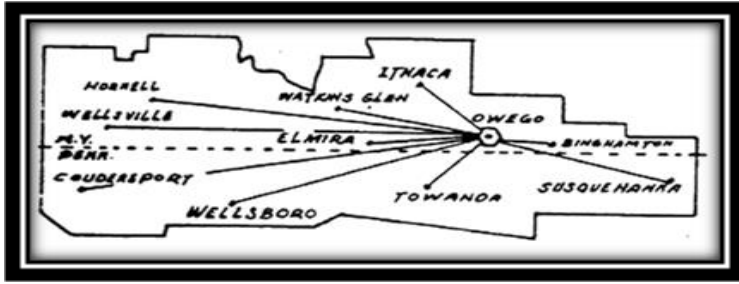
**SPEAKER:** Chris Kopeck, PE, LEED AP; McFarland-Johnson

Weather has historically been one of the most significant factors of aviation safety. Weather conditions, specifically snow and ice, affect planes and airport operations at airports around the world regardless of their size. Even small airports located in winter climates spend significant dollars to maintain airfield pavements during inclement weather.

Current methods of treating snow and ice on airfield pavements includes the use of de-icers and specialized snow removal equipment. This equipment is costly to fuel, maintain and replace. They are also difficult to maneuver in small tight areas and leave an undesirable carbon footprint.

In 2009 a collaborative effort between McFarland Johnson, Binghamton University, the Greater Binghamton Airport, the Federal Aviation Administration, the Southern Tier Economic Partnership (STEP), and NYSERDA began the development of the first air-side geothermal snow-melt application at an airport in the country at the Greater Binghamton Airport. Chris Kopeck, PE, LEED AP, Facilities Group Manager from McFarland Johnson will present the inception, planning, design, construction, and operational results of this project. John Miranowski from McFarland Johnson was the primary mechanical engineer.





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## Engineers Week

Reservations due by Friday Feb. 17, 2017

NAME	AFFILIATION/COMPANY	EMAIL FOR CONTACT

Number of Persons for:

- 1) \_\_\_\_\_ Prime Rib of Beef \_\_\_\_\_ @ \$35\* each = \$ \_\_\_\_\_, \*Students reduce dinner prices by \$15
- 2) \_\_\_\_\_ Grilled Salmon \_\_\_\_\_ @ \$35\* each = \$ \_\_\_\_\_.
- 3) \_\_\_\_\_ Chicken Picatta \_\_\_\_\_ @ \$30\* each = \$ \_\_\_\_\_.
- 4) \_\_\_\_\_ Pasta Primavera \_\_\_\_\_ @ \$30\* each = \$ \_\_\_\_\_.
- Total \$ \_\_\_\_\_ We will give the receipt at the meeting.

Make Checks payable to **Broome Chapter NYSSPE**. Mail to: Engineers Week Dinner: c/o Wonjune Hong, 416 Jodie Dr, Vestal, NY 13850. If you need information, you may email [wonjune.hong@lmco.com](mailto:wonjune.hong@lmco.com). Sorry, no refunds after February 17.



## Celebrate National Engineers Week!

To find out more information about 2017 Engineers Week and how you can bring engineering to life for kids, educators and parents, go to Discover E's website at

<http://www.discovere.org/our-programs/engineers-week>.





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## Binghamton University's Student Chapter

The Binghamton Student Branch of the Twin Tiers Chapter was granted the opportunity to attend the ASHRAE 2017 Winter Conference and the AHR Expo this past January.

We arrived in Las Vegas at midnight on January 28th and made our way to the Hoover Dam. We toured the Dam early that morning, learning about the history and mechanics of the power plant responsible for much of the Southwest's electricity. We then headed back to Las Vegas for the conference in the afternoon.

We followed the student program at the conference, which consisted of panels, grant proposals, award presentations, and special guest speakers. One notable event required us to network with other student branches to gather ideas on events and fundraising, as well as how to increase interest in the HVAC&R industry among Binghamton's engineering population.

The panels and hospitality events gave us the opportunity to network with industry professionals. From them we gained invaluable tips on how to enter into the HVAC&R field and what can be gained from it. They also touched upon such useful topics as resume-building, follow-up emails, and benefits of obtaining a PE license.

During our free time, we also got to explore the city of Las Vegas. We walked up and down the strip to see the famous sights such as the Bellagio fountain, the Eiffel Tower, and The High Roller. All the luxurious hotels were made even more beautiful from their Lunar New Year decorations, which made each event we attended slightly more festive.

We would like to thank the following sponsors for giving us this wonderful opportunity:

ASHRAE Twin Tiers Chapter  
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 Delta Engineers  
 Meier Supply  
 Pro Air Plus  
 Mike Colwell  
 Trane

Sincerely,  
 Binghamton University,  
 ASHRAE Student Branch  
 Executive Board





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter – January BOG Meeting Minutes

**ASHRAE** American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

**TWIN TIERS CHAPTER** (<http://www.twintiers.ashraechapters.org/>)

Board of Governors Agenda

Date: Tuesday 01/17/2017 @ 4:00 PM

Location: Statler Hotel, Ithaca, NY

### MEETING MINUTES

The meeting was called to order at:

- Call to Order and Attendance:
  - Attendance: Andy Nice, Chris Wolak, Devin Shapley, Petros Papathomopoulos, Adam Keller, Travis Fisher, Mike McGinnis, Glenn Roberts, Rob Vanskiver, Jason Gilbert.
- General Announcements – First order of business, Student Activities
  - DL & Past Presidents Night!
- Treasurer's Report – Kyle
  - M&T: \$ 17,180.60 (as of 01/17/2017)
  - PayPal: \$ 964.36 (as of 01/17/2017)
  - H.O. Ward: \$ 4,464.88 usable [\$20,000 principal] (as of 12/01/2016)
  - William & Joan Albern: \$ 2,675.56 usable [\$20,000 principal] (as of 10/1/2016)
  - Audit: Kyle to provide update at next month's meeting
  - Student Chapter – Discuss student chapter responsibility, should Student Chapter submit a monthly treasurers report similar to our current treasurer's report?
  - Budget – Good standing, review possible impact of Student Chapter Donation (\$2500). This would include \_\_\_\_\_ to cover Vegas trip and \_\_\_\_\_ to provide seed money.
  - Thompkins – Still working on online access. Travis still needs to send back paperwork. We need to send a new Corporate Resolution, need to remove Doug if he is on there.
  - Any Receipts or Open Items – Did Mike receive reimbursement for December meeting items?
- CTTC – Mike/Petros
  - DL Information – Be sure to submit all required documents for DL lecture including lecturer evaluation form, and event summary critique form.
  - Monthly Meetings –
    - Did we change the format in the Newsletter? The monthly meeting information does not include the location.
  - February Meeting
    - Location? Petros to provide Andy with updated schedule.
- YEA – Devin/Victoria
  - Any updates for second YEA event? Technical tour/ hockey game?
- Membership Promotion – Chris
  - Overview of meeting cards.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– January BOG Meeting Minutes

- PAOE Responsibility – Travis Fisher
  - Updated points for creating student chapter. Need to review other opportunities available for points.

▶ Chapter Operations	Par: 1200	Min Points: 600	Total Points: 595
▶ Chapter Technology Transfer	Par: 1050	Min Points: 450	Total Points: 475
▶ Grassroots Government Advocacy	Par: 650	Min Points: 500	Total Points: 350
▶ Historical Criteria	Par: 300	Min Points: 100	Total Points: 330
▶ Membership Promotion	Par: 800	Min Points: 500	Total Points: 930
▶ RP	Par: 1050	Min Points: 800	Total Points: 690
▶ Student Activities	Par: 500	Min Points: 300	Total Points: 420

- Student Activities – Jason Gilbert
  - Student Scholarships: Jason/Rick
    - Jason would like to reimburse membership fees for students who are successful chapter officers. Will donate \$3000 total
    - Motion to donate \$2500 to student chapter. \$500 for winter conference  
\$1500 seed money (\$1000 balance reqd.)
  - Member Shirts - Andy
    - Shirts will be given to members who are attending the CRC & Members with attend ½ of the Meetings (4 meetings).
    - Current free shirt count: 17
- Research Promotion – Glenn Roberts
  - PAOE
    - TT donated \$450 for 50 PAOE points
    - Updates?

- New Business

Meeting adjourned at 4:51    Motioned: Travis    Second: Devin



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## YOUR BUSINESS CARD COULD BE HERE!

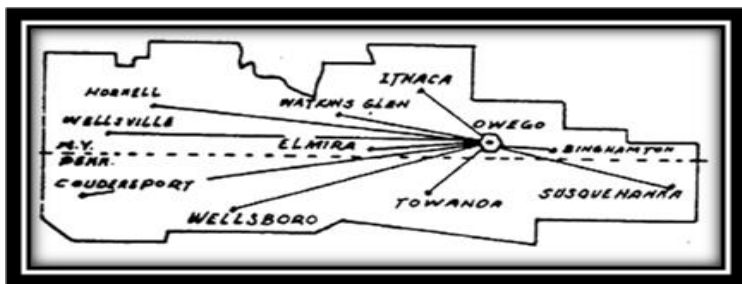
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**Contact Andrew Nice for more Info!**  
**607-760-5960**  
**anice@meiersupply.com**



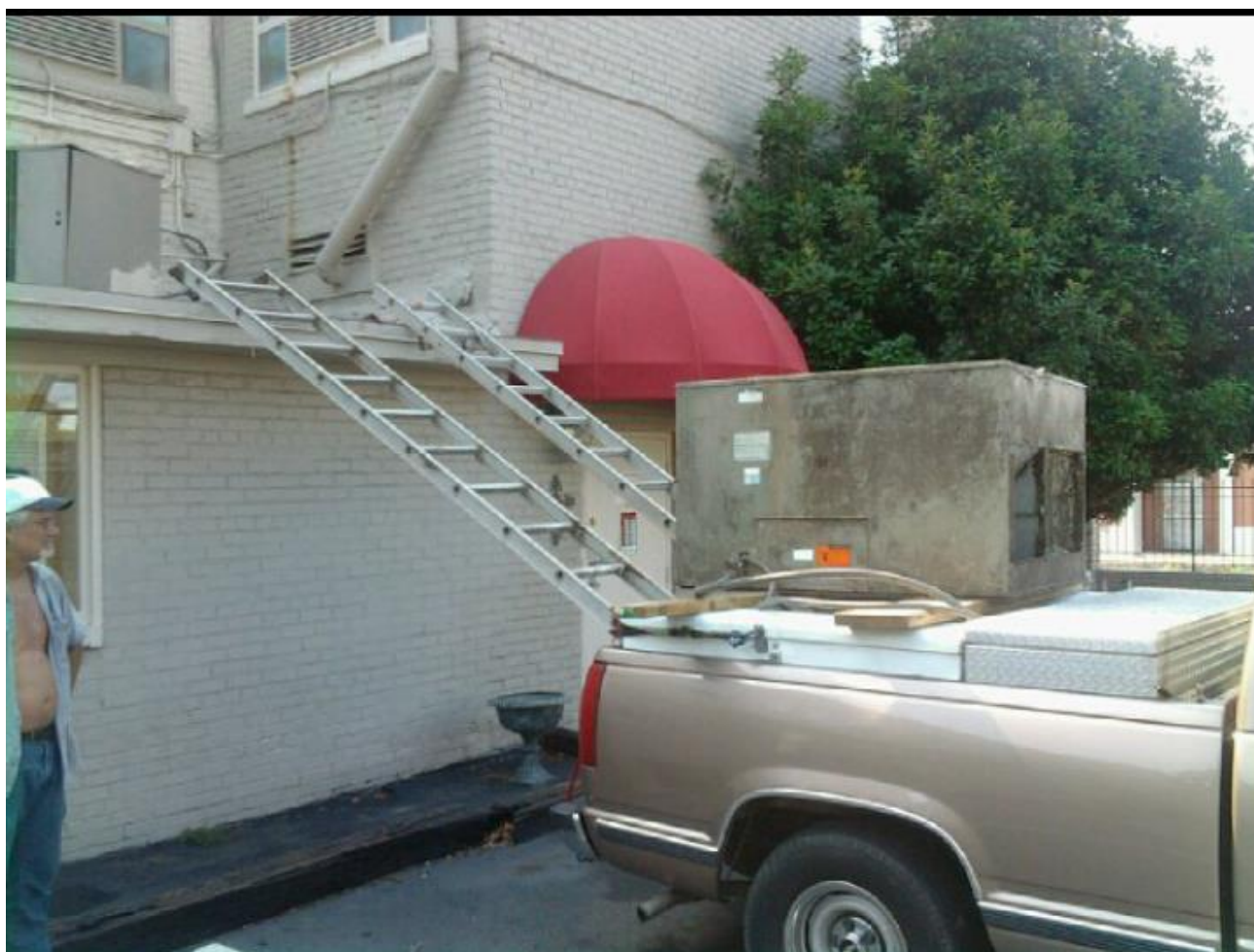
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## What Were They Thinking???



**Don't worry we don't need no lift!**

**Do you have a funny, "unique", or just plain horrible installation picture?  
Please send them to the Editor at [anice@meiersupply.com](mailto:anice@meiersupply.com)**

**\*\*\* All names/brands are removed to protect the guilty. \*\*\***



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## TRAINING



# New York State Professional Engineers **Self Study Ethics PDH Available!**

As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help you stay abreast of your professional responsibilities, has developed this short, self-study educational activity in ethics.

This educational activity is based on the New York State Education Law Articles 130 and 145, the Rules of the Board of Regents Parts 1, 3, 17, 18, 28, 29, 31, and the Regulations of the Commissioner of Education Parts 59 and 68. It is strongly recommended that, prior to taking the self test, you review these [foundational materials](http://www.op.nysed.gov/prof/pels/pelaw.htm) (<http://www.op.nysed.gov/prof/pels/pelaw.htm>) on the engineering web site.

Once you have reviewed the foundational materials, proceed to complete the self test below. When you have completed the self test, click the "Get your score" button at the bottom of the page. You should print this screen and save it as evidence of satisfactory completion of this educational activity. A score of 90% or greater will allow you to claim 1 Professional Development Hour (PDH) of educational activity credit in ethics ONCE in each three-year registration period. Retain your printed screen for no less than 6 years from the date of completion.

## **Take Your PE Ethics Self Test Here!**

<http://www.op.nysed.gov/prof/pels/peceselftest.htm>



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## TRAINING



New York State Professional Engineers  
**Need a few extra PDH?**  
**FREE Online Courses are Available!**

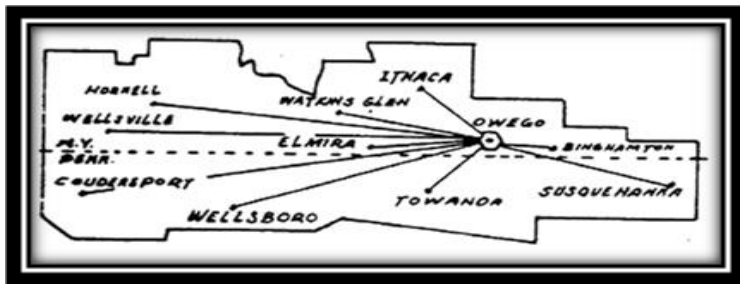
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The above websites offer free online courses that are approved for credit!







American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## TRAINING

### ASHRAE Learning Institute 2017 Online Course Series

#### 2 WAYS TO REGISTER

Internet: [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

Phone: Call 1-800-527-4723 (US and Canada) or 404-836-8400 (worldwide)

One-part course (3 hours) \$284 (\$219 ASHRAE Member) — — — Two-part course (6 hours) \$484 (\$359 ASHRAE Member)

**Basics of High-Performance Building Design**  
Wednesday, February 8, 2017 – 1:00 p.m. to 4:00 p.m.

**Designing Toward Net-Zero Energy Commercial Buildings**  
Tuesday, February 14, 2017 – 1:00 p.m. to 4:00 p.m.

**ASHRAE Guideline 0: The Commissioning Process**  
Tuesday, February 21, 2017 – 1:00 p.m. to 4:00 p.m.

**Commissioning Process & ASHRAE Standard 202**  
Monday, February 27, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Fundamental Requirements of Standard 62.1-2016**  
Thursday, March 9, 2017 – 1:00 p.m. to 4:00 p.m.

**Commissioning Process in New and Existing Buildings**  
Part I: Monday, March 13, 2017 – 1:00 p.m. to 4:00 p.m.  
Part II: Wednesday, March 15, 2017 – 1:00 p.m. to 4:00 p.m.

**Design of Affordable & Efficient Ground Source Heat Pump Systems**  
Wednesday, March 29, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: Envelope/Lighting**  
Wednesday, April 5, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: HVAC/Mechanical**  
Tuesday, April 11, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: Appendix G**  
Tuesday, April 18, 2017 – 1:00 p.m. to 4:00 p.m.

**Air-to-Air Energy Recovery Fundamentals**  
Wednesday, May 3, 2017 – 1:00 p.m. to 4:00 p.m.

**Air-to-Air Energy Recovery Applications: Best Practices**  
Tuesday, May 9, 2017 – 1:00 p.m. to 4:00 p.m.

**Humidity Control: Basic Principles, Loads and Equipment**  
Tuesday, June 13, 2017 – 1:00 p.m. to 4:00 p.m.

**Humidity Control: Applications, Control Levels and Mold Avoidance**  
Tuesday, June 20, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**  
Tuesday, July 11, 2017 – 1:00 p.m. to 4:00 p.m.

**Advanced High-Performance Building Design**  
Wednesday, August 9, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Fundamental Requirements of Standard 62.1-2016**  
Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

**Designing High-Performance Healthcare HVAC Systems**  
Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

**Laboratory Design: The Basics and Beyond**  
Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

**Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems**  
Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016**  
Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.  
Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**  
Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

### ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Dallas • Doha • Hartford • Toronto

#### HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

#### HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

*HVAC Design: Level II — Applications* provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit [www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining) to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray ([kmurray@ashrae.org](mailto:kmurray@ashrae.org)) to discuss scheduling ASHRAE HVAC Training in your Chapter area.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities



**TETRA TECH**

### **MECHANICAL ENGINEER**

Tetra Tech is a leading provider of consulting, engineering, and technical services worldwide. Our reputation rests on the technical expertise and dedication of our employees—16,000 people working together across disciplines and time zones to provide smart, sustainable solutions for challenging projects. We are proud to be home to leading technical experts in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech combines the resources of a global, multibillion dollar company with local, client-focused delivery in 400 locations around the world. We offer competitive compensation and benefits and are searching for innovative people to join our teams.

Tetra Tech A&E provides planning, design and construction phase services for a wide range of building types and clients, from K-12 and higher education facilities in New York to facilities supporting governments worldwide. We currently seek a Mechanical Engineer to work out of our Ithaca NY or Albany NY office.

#### **Responsibilities include:**

- Design of building mechanical systems (HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination
- Perform site visits of existing mechanical systems for evaluation or to inspect work in progress or completed
- Review and respond to team member on project design work, RFIs, submittals, and other construction related documents and issues in a professional and timely manner
- Monitor and control project progress against scope, schedule, and budget  
Attend client meetings and assist in marketing efforts

#### **Requirements:**

- Bachelor's degree in Mechanical Engineering, Mechanical Engineering Technology, or similar field with 8 years of experience designing building mechanical (HVAC) systems.
- Experience with Design of mechanical (HVAC) systems for educational facilities is desired.
- Licensed Professional Engineer (PE) or EIT and preparing to obtain professional licensure preferred.
- Proficient in AutoCAD and Revit/BIM with working knowledge of MS Office.
- Proficiency with building energy modeling concepts and software preferred.
- Knowledge of applicable codes and standards.
- Possesses and applies a broad knowledge of principles, practices and procedures to the completion of difficult assignments.
- Knowledge of and demonstrated interest in energy efficient solutions and designs.

If you are interested in this exciting opportunity apply on-line at: <http://www.tetrattech.com/en/careers>

Tetra Tech is committed to creating a diverse environment and is proud to be an Equal Opportunity Employer. We invite resumes from all interested parties including women, minorities, veterans and persons with disabilities. Tetra Tech is a VEVRAA federal contractor and we request priority referral of veterans for available positions.

EOE AA M/F/Vet/Disability





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities



**TETRA TECH**

### SENIOR MECHANICAL ENGINEER

Tetra Tech is a leading provider of consulting, engineering, and technical services worldwide. Our reputation rests on the technical expertise and dedication of our employees—16,000 people working together across disciplines and time zones to provide smart, sustainable solutions for challenging projects. We are proud to be home to leading technical experts in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech combines the resources of a global, multibillion dollar company with local, client-focused delivery in 400 locations around the world. We offer competitive compensation and benefits and are searching for innovative people to join our teams.

Tetra Tech A&E provides planning, design and construction phase services for a wide range of building types and clients, from K-12 and higher education facilities in New York to facilities supporting governments worldwide. We currently seek a Senior Mechanical Engineer to work out of our Ithaca NY, Albany NY, Farmingdale NY, or Marlborough, MA office.

#### **Responsibilities include:**

- Design of building mechanical systems (primarily HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination
- Perform site visits of existing mechanical systems for evaluation or to inspect work in progress or completed
- Acts as lead engineer on projects and provides conceptual guidance to Mechanical Designers and Mechanical Engineers on wide range of projects.
- Provides consultation to professional co-workers. Mentors junior level department designers.
- Review and respond to team member on project design work, RFIs, submittals, and other construction related documents and issues in a professional and timely manner
- Monitor and control project progress against scope, schedule, and budget
- Attend client meetings and assist in marketing efforts

#### **Requirements:**

- Bachelor's degree in Mechanical Engineering, Mechanical Engineering Technology, or similar field with 15 years of experience designing building mechanical (HVAC) systems.
- Experience with design of mechanical (HVAC) systems for educational and federal facilities is desired.
- Licensed Professional Engineer (PE) in New York State, with ability to be licensed in other states as requested.
- Proficient in AutoCAD and Revit/BIM with working knowledge of MS Office.
- Proficiency with building energy modeling concepts and software preferred.
- Knowledge of applicable codes and standards.
- Possesses and applies a broad knowledge of principles, practices and procedures to the completion of difficult assignments.
- Knowledge of and demonstrated interest in energy efficient solutions and designs, and in LEED strategies and designs.

If you are interested in this exciting opportunity apply on-line at: <http://www.tetratech.com/en/careers>



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities



### Senior Mechanical Engineer

Engineers thrive on solving problems by putting their logic and creativity together. They are able to invent, explore, and question to enhance the areas around us. IBI Group engineers work in multiple disciplines and collaborate on larger initiatives.

IBI Group's Binghamton, New York office is searching for a Senior Mechanical Engineer to join its growing team.

Are you looking for a challenging opportunity that can move your career to the next level?

Then come discover what IBI has to offer.

IBI Group offers you a career you can Define...Discover It!

#### Responsibilities:

- Responsible for the technical and design development for assigned projects.
- Functions in the role of project leader and handles project management tasks and supervises the mechanical design and technical aspects.
- Produces design work according to established standards, methods, and procedures of the office.
- Coordinates and develops the layout, design, drafting, and specifications produced by architectural and engineering staff members who are part of the project team.
- Develops project cost estimates.
- Supervises technical staff and provides design guidance.
- Supervises the preparation and checks the accuracy of contract documents.
- Incorporates applicable codes, construction techniques, and sequences in various projects including all aspects of cross disciplines.
- Conducts site observations as required to perform the design.
- Conducts site observations of mechanical systems during construction operations. Performs other associated construction phase tasks.

#### Qualifications:

- Experience in designing HVAC systems for educational, commercial, institutional, and industrial facilities
- In addition to HVAC system design experience; experience with Plumbing design and Fire Protection design strongly desired.
- At least 5 years design experience
- Bachelor's degree in Mechanical Engineering
- EIT required; Registration as a Professional Engineer in New York State strongly desired
- Working knowledge of AutoCAD, BIM/Revit
- Effective communication (verbal and written) in English
- Strong team player
- Highly proactive and detail oriented
- LEED certification is a strong asset

We are a global team of dedicated and experienced architects, engineers, planners, designers and technology professionals who share a common desire – to help our clients create livable, sustainable, and advanced urban environments.

From high-rises to industrial buildings, schools to state-of-the-art hospitals, transit stations to highways, airports to toll systems, bike lanes to parks, we design every aspect of a truly integrated city for people to live, work, and play.

Our collaborative and combined approach focuses not only on creating the best solutions today, but also determining the right solutions for tomorrow.

We believe cities in the future must be designed with intelligent systems, sustainable buildings, efficient infrastructure, and a human touch.

At IBI, we're defining the cities of tomorrow.

**Applicants for U.S. based positions with IBI Group must be legally authorized to work in the United States. Verification of employment eligibility will be required at the time of hire. Visa sponsorship is not available for this position.**

**IBI Group is an Equal Employment Opportunity/Affirmative Action Employer and maintains a Drug-Free Workplace.**

**EOE-M/F/Vet/Disability**

**Contact: Linda Gauld [linda.gauld@ibigroup.com](mailto:linda.gauld@ibigroup.com) (+1 519 472 7328 ext 261)**



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities



Design Your Career

### Senior Mechanical Engineer – Buildings

#### Your Opportunity:

Our Buildings Engineering group specializes in the design and development processes unique to buildings. Working closely with our clients, our dedicated professionals help to establish and understand the needs of a range of building projects. This is where great ideas and rewarding careers are built. For both public and private sector clients, we provide unique plan checking capabilities as well as energy engineering and performance engineering services, covering each of the major engineering disciplines- structural, mechanical, and electrical. In addition, we bring together innovative and functional design solutions for companies involved in the discovery, research and development, and commercial scale manufacturing of pharmaceuticals, biotechnology, and medical device products. Focused on providing cost-effective solutions to engineering challenges, we are involved in a diverse range of projects from the initial planning stages to design, construction, and commissioning. Our structure cultivates career growth and provides opportunities as unique as you are.

#### Your Duties:

- Duties will include but are not limited to preparation of project proposals and resulting contracts, project implementation plans, resource planning, quality control and design review, project team review and coordination, client, and financial management.
- May assist as mechanical engineering lead overseeing the engineering & design of plumbing / fire protection / HVAC and other mechanical systems for new and renovated buildings.
- Mechanical engineering - actual designs including the completion of code reviews, preparation of the basis of design, system calculations, mark-up of drawings, specification preparation, field investigations, construction estimating and site inspections and other such design as required to execute the mechanical construction for new or renovated buildings.
- May perform project manager duties as needed.
- Some travel to site locations or other Stantec offices may be required.

#### Your Capabilities and Credentials:

The successful candidate will possess:

- Requires a B.Sc. Mechanical Engineer
- NYS PE desired, registration in other states a plus
- 7+ years' experience required
- Must have strong Mechanical Engineering skills in Plumbing, Fire Protection, HVAC, and related mechanical systems
- Prior management experience is a plus
- Prior consulting engineering experience is required
- Experience using Autocad, Revit, Trane Trace or Equest is a plus
- Excellent verbal and written communication skills
- Excellent interpersonal skills with team members and clients

We put people first, and it shows. We're proud to be one of New York's Best Places to Work, as named by The Business Council of New York and NYS-SHRM.

Please apply online directly at:

- (Rochester) <https://jobs-stantec.icims.com/jobs/25804/senior-mechanical-engineer---buildings/job>
- (Endicott) <https://jobs-stantec.icims.com/jobs/25927/senior-mechanical-engineer---buildings/job>



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

### MECHANICAL ENGINEER

# CORNING

**Job Number:** 179603

**Location:** Corning, NY

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education.

Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

#### Scope of Position:

- Provide HVAC engineering support within the Business Services Division (BSD) Facility Operations Engineering Department at Sullivan Park (SP).
- Assume a primary role of “HVAC Engineer” for the Facilities Operations organization.
- Additionally, support and lead various engineering projects within our organization.
- Participate on and/or lead 6-Sigma DMAIC or DESGN Performance Excellence projects.
- Identify improvement opportunities, justify, and lead implementation of those improvements.
- Complete process documentation as required.

#### Day to Day Responsibilities:

- Provide HVAC engineering support for maintenance and project support.
- Troubleshoot facility equipment including: Air Handling Units, Make-up Air Units, AC units, Exhaust fans (centrifugal/DEF), return air fans, HW packaged boiler systems and piping distribution, central chilled water system and piping distribution.
- Develop preventative maintenance programs for HVAC systems
- Identify HVAC training needs for Maintenance Group as required.
- Provide energy management/reduction support.
- Audit, revise, create process documentation for HVAC systems
- Provide occasional after hours technical support, ie. On-call or weekend support.





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

### MECHANICAL ENGINEER (Cont.)

# CORNING

**Travel Requirements:** Minimal

**Hours of work/work schedule/flex-time:**

- Standard 40 hour work week, plus occasional weekend project work and on-call coverage – (1) week per (2) month period.

**Education and Experience:**

- Min. 4 yr Bachelors of Science Degree
- Min. 4 years HVAC experience in Facilities Operations/HVAC Industry

**Qualifications:**

- HVAC Equipment experience – must be highly skilled in HVAC system design and operation.
- Perform engineering calculations of building heating/cooling loads, energy profiles, equipment selections, sizing of duct-work/piping distribution systems.
- Working knowledge of Facilities equipment and associated Building Control Management System operation.
- Hands-on troubleshooting experience and excellent troubleshooting skills and ability.
- Must have experience leading significant HVAC projects.
- Good communication and interpersonal skills, capable of working with all payrolls
- Good planning and organizational skills, capable of handling multiple tasks and priorities
- Self-starter, results oriented, requiring minimal supervision
- Basic CAD skills (preferably ACAD)
- Basic MS Office skills (MS Word, Excel, Power Point, MS Outlook w/ scheduling capability)
- Prior experience in either installation, system design, or maintenance of building infrastructure equipment.
- Process Control and Discipline knowledge and application experience, SPC understanding, Data Analysis experience using various statistical tools (ie: SPC XL, DOE Pro, Minitab, other)
- Understanding of quality systems (ie: Performance Excellence 6-Sigma, KT, Manufacturing Excellence, ISO)
- Additional computer skills (VISIO, Access, Tabware, Peoplesoft, ACAD and Revit BIM)
- Experience writing Process documentation (SOP's, Machine Specs, O&M's)
- Experience working in a Union environment
- Experience working in a Manufacturing environment.

EOE/AA including Veterans and Disabled.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT ANNE LAPORTE AT 716-276-3837 OR LAPORTEAM@CORNING.COM**





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

### FACILITY MECHANICAL / HVAC ENGINEER

# CORNING

**Job Number:** 180818

**Location:** Corning, NY

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education.

Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

#### **Scope of Position:**

- Provide HVAC engineering & project leadership in a corporate engineering group that supports all divisions within Corning Incorporated.
- Apply fundamental engineering principles to develop, design & resolve solutions to a variety of technical problems related to HVAC and facility mechanical systems & processes.
- Develop criteria and specifications for various facility equipment, systems & processes.
- Collectively work with division, process, plant & R&D resources on project teams.
- Develop, review & forecast capital & expense design, equipment & installation project costs.

#### **Day to Day Responsibilities:**

- Deliver strong project leadership skills through the project initiation, planning, implementation and closeout phases.
- Develop project concepts, scopes, estimates, schedules, design, installation & startup documentation.
- Exercise sound judgment, solid engineering principles and utilize structured problem solving techniques.
- Lead, guide, coach & help develop internal Corning & contingent employees as well as external contractors.
- Actively work and participate in project teams in various roles and capacities.
- Effectively listen and communicate utilizing multiple channels and means.

#### **Travel Requirements:**

- Travel can be greater than 50% both Domestic and International.
- Project assignments can be in excess of 1-2 years in duration.

#### **Hours of work/work schedule/flex-time:**

- Flexibility is required.
- Normal Business Hours (8 – 5, M – F): however, expected to work hours required to achieve objectives. Includes overtime, weekend and off-shift hours.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

### **FACILITY MECHANICAL / HVAC ENGINEER (Cont.)**

# CORNING

#### **Required Education:**

- BS degree in Mechanical Engineering
- MS in Mechanical Engineering preferred.

#### **Required Years and Area of Experience:**

- 5-10 years of engineering & professional work experience.
- Required Skills:
- Excellent project leadership, HVAC engineering, installation and start-up skills.
- Able to apply HVAC & Mechanical engineering principles to concepts, designs, trouble shooting and solving problems.
- Problem solving skills and the use of structured methods; such as, K-T (DA, PPA, RA), DESGN & DMAIC.
- Excellent communication and interpersonal skills.
- Excellent presentation skills.
- Solid HVAC & Mechanical system trouble shooting capabilities & experience.
- Project estimating, forecasting and scheduling experience.

#### **Desired Skills:**

- Proficient in MS Project & SharePoint.
- Experience with AutoCad and Solidworks.
- Professional Engineering Certification.
- PMI certification.
- Proficiency in Mandarin, Spanish or Japanese.

#### **Soft Skills:**

- Results oriented.
- Strives for excellence & high quality.
- Strong commitment and work ethic.
- Positive attitude.
- Flexible and adaptable.
- Open, honest & trustworthy.
- Strong listening & communication skills.
- Approachable and a team player.

EOE/AA including Veterans and Disabled.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT ANNE LAPORTE AT 716-276-3837 OR LAPORTEAM@CORNING.COM**



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

### Facilities Engineering Project Manager

**Job Number:** 182585

**Location:** Corning, NY

# CORNING

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education. Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

#### **Scope of Position:**

Manage the development and implementation facility and capital projects involving departmental and/or cross-functional teams focused on the construction of new or existing productions facilities.

#### **Day to Day Responsibilities:**

- Provide project management for key manufacturing capital projects. Overall responsibility for the ensuring the project’s compliance with safety, scope schedule, cost, and other project specific deliverables such as those associated with product quality, equipment and process capability, machine and line rates, equipment uptime, etc.
- Direct supervision of project team resources, approximately 10 – 15 members. Provides guidance to subordinates to achieve goals in accordance with established policies.
- Establish requirements with customer.
- Assist in the evaluation and verify justification for project.
- Identifies and drives key decisions for such things as scope, design, schedule, spending, vendor selection, etc.
- Establish roles, responsibilities and competencies required for the project.
- Establish project team working with division management.
- Manage the performance of team members and outside resources to meet the project requirements.
- Establish project plans (scopes, schedule, cost estimates, procurement/contracting strategy, project acceptance criteria, etc.).
- Work with business in the preparation and approval of Appropriation Requests.
- Conduct project meetings and document key issues, action items and decisions.
- For key projects, establish and coordinate activities of a steering committee for the project.
- Provide periodic project updates to customer and division management.
- Manage the project to meet the requirements.
- Implement safety program to ensure that LTAs and Recordable Incidence rate = or < Corporate targets.
- Conduct a project critique at completion and share key learning’s with others unassociated with the project.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

### Facilities Engineering Project Manager (Cont.)

# CORNING

#### Travel Requirements:

- Able to travel extensively including overseas. Assignment could involve long term domestic or international assignments.

#### Hours of work/work schedule/flex-time:

- Basic work hours are dependent on the particular assignment. Individuals need to work the hours required to complete the assignment. Work hours can vary from 40 to 60 hours per week depending on the needs of the project

#### Required Education:

- BS Mechanical, Electrical or Civil Engineering
- MS or MBA preferred

#### Required Years and Area of Experience:

- 10 to 15 years overall experience and 5 years in Project management
- Professional Engineering registration or PMI certification desired

For a full position description and requirements please visit the ASHRAE Twin Tiers Website.

<http://twintiers.ashraechapters.org/>

EOE/AA including Veterans and Disabled.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT ANNE LAPORTE AT 716-276-3837 OR LAPORTEAM@CORNING.COM**





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

### Environmental Design Engineer

# CORNING

**Job Number:** 180817

**Location:** Corning, NY

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education. Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

#### **Scope of Position:**

- Provide Environmental engineering, air/water pollution control & project leadership in a corporate engineering group that supports all divisions within Corning Incorporated.
- Apply fundamental engineering principles to develop, design & resolve solutions to a variety of technical problems related to environmental facility systems & processes.
- Develop criteria and specifications for various facility, environmental, air/water pollution controls, equipment, systems & processes.
- Collectively work with division, process, plant & R&D resources on project teams.
- Develop, review & forecast capital & expense design, equipment & installation project costs.

#### **Day to Day Responsibilities:**

- Deliver strong project leadership skills through the project initiation, planning, implementation and closeout phases.
- Develop project concepts, scopes, estimates, schedules, design, installation & startup documentation.
- Exercise sound judgment, solid engineering principles and utilize structured problem solving techniques.
- Lead, guide, coach & help develop internal Corning & contingent employees as well as external contractors.
- Actively work and participate in project teams in various roles and capacities.
- Effectively listen and communicate utilizing multiple channels and means.

#### **Travel Requirements:**

- Travel can be greater than 50% both Domestic and International.
- Project assignments can be in excess of 1-2 years in duration.

#### **Hours of work/work schedule/flex-time:**

- Flexibility is required.
- Normal Business Hours (8 – 5, M – F): however, expected to work hours required to achieve objectives. Includes overtime, weekend and off-shift hours.



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

### Environmental Design Engineer (Cont.)

# CORNING

#### Required Education:

- BS degree in Environmental Engineering required.
- MS in Environmental Engineering preferred.

#### Required Years and Area of Experience:

- 5-10 years of engineering & professional work experience.

#### Required Skills:

- Excellent project leadership, mechanical engineering, installation and start-up skills.
- Able to apply environmental engineering and air/water pollution control principles to concepts, system designs, trouble shooting and solving problems.
- Problem solving skills and the use of structured methods; such as, K-T (DA, PPA, RA), DESGN & DMAIC.
- Excellent communication and interpersonal skills.
- Excellent presentation skills.
- Strong facility environmental system trouble shooting capabilities & experience.
- Project estimating, forecasting and scheduling experience.

#### Desired Skills:

- Proficient in MS Project & SharePoint.
- Experience with AutoCad and Solidworks.
- Professional Engineering certification.
- PMI certification.
- Proficiency in Mandarin, Spanish or Japanese.

#### Soft Skills:

- Results oriented.
- Strives for excellence & high quality.
- Strong commitment and work ethic.
- Positive attitude.
- Flexible and adaptable.
- Open, honest & trustworthy.
- Strong listening & communication skills.
- Approachable and a team player.

EOE/AA including Veterans and Disabled.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT  
DAVID WATKINS AT 716-688-6751 OR WATKINS@CORNING.COM**



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

# LABELLA

Associates

Engineering  
Architecture  
Environmental  
Planning

### SENIOR MECHANICAL ENGINEER – PROJECT MANAGER

**LaBella Associates, D.P.C.** is one of the area's Top 2015 Workplaces. We are headquartered in Rochester's High Falls District with offices across New York and in Maine, North Carolina, Ohio, Pennsylvania, and an office in Madrid, Spain. We are a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust.

We are currently seeking a Senior Mechanical Engineer to lead mechanical project teams in our Elmira Heights, NY office. Project work will involve clients in multiple Market Sectors. This position will report to the Mechanical Engineering Discipline Leader.

#### Responsibilities:

- Work closely with the mechanical engineering staff to develop concepts, strategies, construction documents and engineering reports for new building and renovation projects.
- Assist the energy group in conducting Energy Audits for Municipal, Commercial, and Industrial clients.
- Recognize energy reduction potential in buildings through the use of high efficiency equipment.
- Mentoring, guidance and performance appraisal for the mechanical engineering team.
- Client and Business Development.
- Proposal writing to initiate new business.
- Work with Commissioning Teams as necessary to provide reinforcement to this market focus.

#### The ideal candidate will possess:

- Bachelor's degree in Mechanical Engineering.
- Minimum 10 years engineering experience with a professional A/E services firm.
- Strong writing, organizational and communications skills
- Ability to work under pressure, and multi-task efficiently
- A New York PE license is mandatory.
- Familiarity with NYSERDA and the related incentive programs.

Resumes should be accompanied by a cover letter demonstrating how your past experience qualifies you for this position. All inquiries will be kept confidential.

LaBella offers a strong benefits package including health insurance, dental insurance, professional development, paid time off, 401k and much more.

<https://home.eease.com/recruit/?id=14921471>



American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Employment Opportunities

# LaBella

Associates

Engineering  
Architecture  
Environmental  
Planning

### Mechanical Engineer

**LaBella Associates, D.P.C.** is one of the area's Top 2015 Workplaces. We are headquartered in Rochester's High Falls District with offices across New York and in Maine, North Carolina, Ohio, Pennsylvania, and an office in Madrid, Spain. We are a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust.

We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

Individual must be able to work independently, as well as part of multi-discipline teams producing mechanical engineering documents. Individual must have well rounded experience in HVAC design. Energy conservation and commissioning experience is a plus. A Bachelor's degree and minimum of 4 years of experience working at an A/E consulting firm preferred.

Resumes should be accompanied by a cover letter demonstrating how your past experience qualifies you for this position. All inquiries will be kept confidential.

LaBella offers a strong benefits package including health insurance, dental insurance, professional development, paid time off, 401k and much more.

<https://home.eease.com/recruit/?id=14921441>





American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Business Cards Advertisement for Newsletter

### ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2017.

- New subscription will run the calendar year 2017.
- Cost to advertise for the 2017 year is \$50.
- Sign up now for the 2017 year On Pay Pal <http://twintiers.ashraechapters.org>

Or Send Check and copy of business card to Twin Tier News Letter Editor:

Meier Supply Co.  
Attn: Andrew Nice  
275 Broome Corporate Parkway  
Conklin, NY 13748

- Email a copy of your business card to [Twin Tier Newsletter Editor Email](mailto:Twin Tier Newsletter Editor Email).

From Web site please visit: <http://twintiers.ashraechapters.org>

Go to the News Letter tab, and place your order to advertise your business card.

### Business Card Advertising 2017

The Twin Tiers Chapter of ASHRAE can accept business card advertising with the following provisions:

- The company must be associated with HVAC&R technology.
- The company must be a local service provider, a local manufacturer, or a manufacturer's representative serving the area.

If you aren't sure, just ask.

We are now accepting business card advertisements for the newsletters that will be published in 2017. This is a great opportunity to get your name and business in front of the over 200 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2017 year.

Business card ads can be placed using a scanned electronic copy of your business card, or you can mail your card to me (please no staples or paper clips).

Questions? Call or email  
Thank you for your support!  
Andrew Nice

[Twin Tier Newsletter Editor Email](mailto:Twin Tier Newsletter Editor Email)

American Society of Heating, Refrigerating,  
and Air-Conditioning Engineers, Inc.



### Comments? Suggestions?

Andrew Nice, Editor  
c/o Meier Supply Co.  
275 Broome Corporate Parkway, Conklin, NY 13748  
[anice@meiersupply.com](mailto:anice@meiersupply.com)

We welcome your feedback!



### *ASHRAE Mission Statement*

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigerating and related human factors to serve the evolving needs of the public and ASHRAE members.

## Ethics Requirement for PE

PE's in NYS will be required to have one hour of Ethics within their 36 hours of continuing education for registration periods beginning August 1, 2011 and after.

### *ASHRAE Vision Statement*

ASHRAE will be the global leader in the arts and sciences of heating, ventilation, and air conditioning.

ASHRAE will be foremost authoritative, timely, and responsive source of technical and education information, standards and guidelines.

ASHRAE will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

***Advancing HVAC&R to  
serve humanity and pro-  
mote a sustainable world"***

**Twin Tiers Chapter Mailing Address:**  
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