June Meeting
June 20, 2017

Annual Golf Tournament & Clambake
Location: The Links at Hiawatha
Shotgun Start @ 10:30 AM
Clambake Immediately After
(See Page #6 For More Details)

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
ASHRAE Twin Tiers Community,

It has been a pleasure to be a part of every elected position on the Twin Tiers Chapter Board for the past 5 years. The experience and relationships I gained are so valuable. I want to personally thank Rick Sanguinito for getting me involved on the board.

It is with great honor I can announce Twin Tiers has again extended its premier status for the Presidential Award of Excellence. This year we achieved above PAR in all categories. Thanks to all the chairmen for maintaining this incredible record!

All the business aside, it’s time to golf, the most important meeting of the year! Please make sure to get signed up for our Golf and Clambake coming up on June 20th!

I wish Petros the best of luck next year. I know our Chapter will be in good hands.

Enjoy the summer everyone!

- Travis Fisher
Twin Tiers Chapter President
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter

Presidential Award of Excellence (PAOE)

<table>
<thead>
<tr>
<th>Chapter Operations</th>
<th>Chapter Technology Transfer</th>
<th>Grassroots Government Activities</th>
<th>Historical</th>
<th>Membership Promotion</th>
<th>Research Promotion</th>
<th>Student Activities</th>
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</thead>
<tbody>
<tr>
<td>MIN/PAR</td>
<td>600/1200</td>
<td>450/1050</td>
<td>500/650</td>
<td>100/300</td>
<td>500/800</td>
<td>800/1050</td>
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<tr>
<td>Current</td>
<td>1200</td>
<td>1225</td>
<td>650</td>
<td>430</td>
<td>1355</td>
<td>1120</td>
</tr>
</tbody>
</table>

POINTS CURRENT AS OF 6/16/2017

Chapter Committee Chairs

**Technology Transfer**
Petros Papathomopoulos
(607) 723-9421
Email Me!

**Government Activities**
Doug Breese
(585) 402-7090
Email Me!

**Refrigeration**
Rob VanSkiver
(585) 591-8168
Email Me!

**Golf & Clambake Outing**
Michael McGinnis
(607) 727-3168
Email Me!

**Membership Promotion**
Chris Wolak
(484) 350-1954
Email Me!

**Nominating**
Andrew Nice
607-760-5960
Email Me!

**Meeting Reception**
Kyle Nedlik
(607) 321-6100
Email Me!

**H.O. Ward Scholarship**
Jason Gilbert
(607) 777-2240
Email Me!

**Research Promotion**
Glenn Roberts
(315) 234-1527
Email Me!

**Student Activities**
Jason Gilbert
(607) 777-2240
Email Me!

**Membership Directory**
Chris Wolak
(484) 350-1954
Email Me!

**Albern Education Fund**
Richard Sanguinito
(607) 231-6605
Email Me!

**Honors & Awards**
Doug Breese
(585) 402-7090
Email Me!

**Historian**
Richard Sanguinito
(607) 231-6605
Email Me!

**Symposium– Fall/Spring**
Petros Papathomopoulos
(607) 723-9421
Email Me!

**Auditing**
Rick Sanguinito & Jason Gilbert
(607) 231-6605
Email Me!

**Webmaster**
Mike Colwell
(570) 706-0690
Email Me!

**Newsletter Editor**
Andrea Shapley
Email Me!

**YEA: Young Engineers**
Devin Shapley
(607) 231-4979
Email Me!

**Publicity**
Andrew Nice
607-760-5960
Email Me!

Since 1977

June 2017
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

**Twin Tiers Chapter – Monthly Meeting Information**

**2016-2017 Meeting Dates:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Tech Session Topic, Tour or Meeting Info</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-Sep</td>
<td>Andy Nice, Meier Supply Co.</td>
<td>VRF Training Center Tour and Properly Specifying VRF Presentation</td>
<td>21</td>
</tr>
<tr>
<td>18-Oct</td>
<td>Stan Kutin, Bell &amp; Gossett</td>
<td>Advancements in Pumping &amp; Motor Efficiency</td>
<td>23</td>
</tr>
<tr>
<td>15-Nov</td>
<td>Mark Casadevall, Ardagh Group, Steven Walker, Ardagh Group</td>
<td>Tour of Ardagh Group LEED Canning Facility</td>
<td>23</td>
</tr>
<tr>
<td>20-Dec</td>
<td>Theodore Firnstein, Siemens</td>
<td>Green Lab Solutions (PDH) Theme: RP Night</td>
<td>20</td>
</tr>
<tr>
<td>17-Jan</td>
<td>R. Vijayakumar, Ph.D. ASHRAE Distinguished Lecturer</td>
<td>Basics of Cleanroom Design Themes: Past President, Membership Promotion, History</td>
<td>44</td>
</tr>
<tr>
<td>18-Apr</td>
<td>Multiple/TBD</td>
<td>Spring Engineering Symposium—Daytime</td>
<td>71</td>
</tr>
<tr>
<td>16-May</td>
<td>Mike Gavin, REHAU Inc.</td>
<td>Snow and Ice Melting Systems (PDH)</td>
<td>12</td>
</tr>
<tr>
<td>20-Jun</td>
<td>None</td>
<td><strong>Golf Tournament</strong></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Speakers and topics are subject to change based on availability.
Thank you Sponsors!

2017 Business Cards

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Adam Keller
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2016-17 Region 1 Officer Contacts

Regional Director
Regional Chair
William Walter
Email Me!

Members Council REP
Treasurer
Joseph Furman
Email Me!

Student Activities
CRC General Chair
Steven Sill
Email Me!

Research Promotion
Andrew Manos
Email Me!

Electronic Communication
Webmaster
Stacie Suh
Email Me!

Regional Historian
Stanley Westhoff
Email Me!

Region YEA
Chonghui Liu (CL)
Email Me!

Refrigeration
Charles Bertuch
Email Me!

Nominating Committee
Member
Russell Stuber
Email Me!

Nominating Committee
Alternate
Darcy Carbone
Email Me!

Membership Promotion
Lee Feigenbaum
Email Me!

Chapter Technology
Transfer
Christopher Phelen
Email Me!

Grassroots Government
Advocacy
Richard Vehlow
Email Me!

Regional Representative
Spencer Morasch
Email Me!

Programs RVC
Peter Oppelt
Email Me!
2017-18 Twin Tier ASHRAE Officers

2017-18 Officer Instatements

President – Petros Papathomopoulos
President-Elect – Michael McGinnis
Vice President – Kyle Nedlik
Treasurer – Devin Shapley
Secretary – Adam Keller

2017-18 Chair Position Instatements

Grassroots Government Activities Chair - Adam Keller
Membership Promotion Chair – Chris Wolak
Student Activities Chair – Victoria Kramer
Research Promotion Chair - Glenn Roberts
Webmaster – Michael Colwell
Historian – Richard Sanguinito
Newsletter Editor – Andrew Nice
Publicity – Andrew Nice
YEA – Devin Shapley
Golf & Clambake Chair – Michael McGinnis (Co-Chair Matt Hawley)
Audit Committee – Richard Sanguinito & Andrew Nice

Thank you to all our volunteers for this upcoming year!

If you or someone you know is interested in volunteering their time please contact Petros Papathomopoulos at this email.
Annual Golf Tournament and Clambake

The date for the annual golf tournament and clambake is **Tuesday, June 20**. With the closing of Vestal Hill Country Club, the event is being moved to a new location (our third in four years). The event, both golf and clam bake, will be held at **The Links at Hiawatha Landing**. The day will begin with a 10:30am shotgun start. As in past years, the round will include lunch at the turn and keg beer all day. We will have prizes for the winning foursome, closest to pin and drive closest to the line. With its great success over the past few years, the putting contest will also be returning.

The clambake will take place immediately after golf, approximately 4pm. The menu will include 2 dozen clams per person, thin sliced ribeye steak sandwiches with sautéed onions/peppers/mushrooms, salt potatoes, corn on the cob, garden salad, soft drinks, and beer. There will be door prizes. Our hope is to see lots of non-golfers join all the golfers from earlier in the day.
Thank you Sponsors!

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e-mail: morrell@STCF.com

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Twin Tiers Chapter – May BOG Meeting Minutes

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

Board of Governors Meeting Minutes
Date: Tuesday 05/16/2017 @ 4:00 PM
Location: Hotel Ithaca, Lounge, Ithaca, NY

Agenda
The meeting was called to order at: 4:05

- Call to Order and Attendance:
  Attendance: Andy Nice, Chris Wolak, Mike McGinnis, Gary Hilton, Mike Gavin

- General Announcements – Last regular meeting of the year, recognition of the board
  - Theme night this evening – No theme. review Refrigeration Night with Rob Vanskiver for next year.

- Treasurer’s Report – Kyle
  - All accounts are in good standing
  - Audit: Meeting set up between Kyle and Devin for ASHRAE Treasurer file transfer on 7/24/2017. Kyle will target to have the 2016/2017 audit complete and submitted to the audit committee by this date.
  - Student Chapter – End of Year balance must be $2,500. Need to add this to the list above as part of the treasurer’s report.
  - Budget – Comments – No Comments
  - Thompkins – Still working on online access. Travis submitted paperwork. We need to send a new Corporate Resolution, need to remove Doug if he is on there.
  - Any Receipts or Open Items – Go through Kyle’s list on the treasurer’s report.
  - Did Andy deposit newsletter advertisements checks?
  - Where did extra RP – OUT come from

- CTTC – Mike/Petros
  - Spring Symposium – Success! Any group feedback? Good feedback, stick with Spring
  - Golf and Clambake – Update for prizes and contests? Send flyers through Cornell email
  - Monthly Meetings –

- YEA – Devin/Victoria
  - Completed two events this year, spectacular! Feedback and plans for next year? Chairs not present.
Twin Tiers Chapter – May BOG Meeting Minutes

• Membership Promotion – Chris
  • Attendance increased an estimated 12% from last year!
  • Updates? No updates.

• PAOE Responsibility – Travis Fisher
  • All areas above PAR!

<table>
<thead>
<tr>
<th>Chapter Operations</th>
<th>Par: 1200</th>
<th>Min Points: 600</th>
<th>Total Points: 1225</th>
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<tbody>
<tr>
<td>Chapter Technology Transfer</td>
<td>Par: 1050</td>
<td>Min Points: 450</td>
<td>Total Points: 1175</td>
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<tr>
<td>Grassroots Government Advocacy</td>
<td>Par: 650</td>
<td>Min Points: 500</td>
<td>Total Points: 650</td>
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<tr>
<td>Historical Criteria</td>
<td>Par: 300</td>
<td>Min Points: 100</td>
<td>Total Points: 430</td>
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<tr>
<td>Membership Promotion</td>
<td>Par: 800</td>
<td>Min Points: 500</td>
<td>Total Points: 1355</td>
</tr>
<tr>
<td>RP</td>
<td>Par: 1050</td>
<td>Min Points: 800</td>
<td>Total Points: 1120</td>
</tr>
<tr>
<td>Student Activities</td>
<td>Par: 500</td>
<td>Min Points: 300</td>
<td>Total Points: 920</td>
</tr>
</tbody>
</table>

• Student Activities – Jason Gilbert
  • Student Scholarships: Awarded, thanks to all who participated
  • Did students receive membership reimbursements?
  • Results from career fair?
  • Cornell Student Chapter – Victoria currently pursuing being future student activities chair and organizing another potential student chapter and attending Student Activities training on June 23-24th. Updates?
  • Alfred Student Chapter – Any response?
  • Member Shirts - Andy
    • Placeholder for next year.
  • Mike to meet with BCC for scholarship opportunities and potential link with BU student chapter

• Research Promotion – Glenn Roberts
  • Clam bake putting contest $ To go to RP
  • Campaign status for society?
  • Updates? Not present

• New Business
  • CIQ – Review positions for 2017-2018
  • Petros attended President-Elect Training, updates from the training?
  • Petros, Travis, Rick S., and Jason to attend CRC on August 17-19, any other takers Mike M. cannot attend
  • June is the chapter’s 40th birthday. Looking to do something special.
  • Webmaster – Need replacement/trainee
  • Need audit committee member for next year

Meeting adjourned at 4:53 Motioned: Andy Second: Mike M.
What Were They Thinking???

Yup... that’s hanging upside down....

Do you have a funny, “unique”, or just plain horrible installation picture? Please send them to the Editor at anice@meiersupply.com

*** All names/brands are removed to protect the guilty. ***
Thank you Sponsors!

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Cell: 315-952-5056  Email: dbrosnan@mcsmm.com  Web: www.mcsmm.com

Evan Hallas
Aerosol Operations Manager
ehallas@taitem.com
Taitem Engineering, PC
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Ithaca, New York 14850
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Glenn Roberts
HVAC Sales Engineer - Equipment and Controls
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Ryan Byrd
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Team Leader
Trane Commercial Systems
15 Technology Place
East Syracuse, NY 13057
315.234.1500 Office 315.433.9120 Fax
rjbyrd@trane.com
www.trane.com
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) 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.

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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 6: The Commissioning Process
Tuesday, February 21, 2017 – 1:00 p.m. to 4:00 p.m.

Commissioning Processes & 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 Processes 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 12, 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.

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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 to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray (kmurray@ashrae.org) to discuss scheduling ASHRAE HVAC Training in your Chapter area.
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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.
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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](http://www.tetratech.com/en/careers)
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)
Twin Tiers Chapter – Employment Opportunities

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:
- (Endicott) https://jobs-stantec.icims.com/jobs/25927/senior-mechanical-engineer---buildings/job
FACILITY MECHANICAL / HVAC ENGINEER

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.
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
Facilities Engineering Project Manager

Job Number: 182585
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:
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.
Facilities Engineering Project Manager (Cont.)

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/](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
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.
Environmental Design Engineer (Cont.)

**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 WATKINSD@CORNING.COM**
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
Twin Tiers Chapter–Employment Opportunities

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
**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](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:)

  From Web site please visit: [http://twintiers.ashraechapters.org](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:)
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 promote a sustainable world”

Twin Tiers Chapter Mailing Address:
Twin Tiers ASHRAE Chapter
P.O. Box 6706
Ithaca, NY 14851-6706