Special points of interest:
- President Message
- Twin Tier News
- Monthly Meetings
- Society News
- Scholarships
- Business Card Advertisements
- Employment

September Meeting
September 19, 2017

Presentations:
Cooling Tower Basics
Adam Keller, Pro Air Plus

Cooling Tower Shut-down and NSF Legionella Guideline
Jerry Meyer Jr. MIS of America

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
Dear Twin Tiers Chapter Members,

Welcome to another exciting year of the Twin Tiers ASHRAE chapter! It is my distinct privilege and honor to serve as your Chapter President for the 2017-2018 year, and I’m looking forward to working alongside a group of talented individuals that comprise the Board of Governors and chair our chapter’s various committees.

Our annual June Golf and Clambake event concluded a chapter year full of interesting and informative programs, only made possible through the efforts of our past year’s board, chapter officers and committee chairs, and above all through the participation of our regular and student members. I would like to thank our outgoing President, Travis Fisher, for maintaining the group’s focus and leading the Chapter to another successful year.

During that year, we saw an increase in our monthly meeting attendance, held several social events, provided opportunities for continuing education, and saw the formation of a student branch under the guidance of Jason Gilbert. Additionally, we were fortunate to be able to award scholarships to multiple eligible applicants pursuing an engineering career.

The Society year officially started on July 1st 2017 and we have already been busy scheduling the events for this year. Several of our members recently attended training sessions at the 2017 Region 1 Chapters Regional Conference (CRC) that took place in Long Island, NY. Our chapter returned with several awards including Student Activities - Outstanding Student Branch Advisor (Jason Gilbert), Research Promotion – 2016-2017 Chevron – Blue Ribbon (Glenn Roberts), Chapter Service Award (Andy Nice) and the Black Ink Award (Andy Nice). To cap it off, our chapter was once again awarded the Presidential Award of Excellence (PAOE) accepted by Travis Fisher. This means that our chapter has earned the PAOE award each year since its inception, an achievement shared with only five other chapters worldwide. Congratulations to all the recipients!

The Society’s theme for this year of “Extending Our Community” focuses on globalization and establishing relationships with chapters and student branches in other countries. Our ability to collaborate is the driving force behind this year’s theme. As the final days of summer fade into fall, I invite you to think back to the earliest days of your career. Think of those people that helped you grow and to push past your comfort zone. As you reflect on your gratitude for those relationships, I ask you to examine ways to become more involved in supporting young engineers navigate their early careers. Seek out opportunities to reach out to young professionals and students, mentor and share the knowledge base you have accumulated over the years of your professional career, and cultivate reciprocal relationships.

Take a peek at the monthly meetings schedule included in this newsletter and our Chapter website. I encourage you to attend our meetings, not only for the educational aspect and technical content they offer, but for the networking opportunities as well as catching up with old friends. Share the meeting information with anyone you think may be interested in or benefit from them.

I look forward to an exciting year and hope to see you at our Chapter Meeting where we have two great Cooling Tower related presentations scheduled for you at the Hotel Ithaca on September 19th.

Thank you for your continued support and membership in this great organization.

-Petros Papathomopoulos
Twin Tiers Chapter President
Twin Tiers Chapter

Presidential Award of Excellence (PAOE)

<table>
<thead>
<tr>
<th>MIN/PAR</th>
<th>Chapter Operations</th>
<th>Chapter Technology Transfer</th>
<th>Electronic Communications</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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<tr>
<td>600/1200</td>
<td>450/1050</td>
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<td>Current</td>
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<td>100</td>
<td>595</td>
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<td>150</td>
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</tbody>
</table>

POINTS CURRENT AS OF 9/15/2017

Chapter Committee Chairs

**Technology Transfer**
- Michael McGinnis (607)727-3168
- Email Me!

**Government Activities**
- Adam Keller (315) 487-8791
- 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**
- Devin Shapley (607)723-4979
- Email Me!

**H.O. Ward Scholarship**
- Richard Sanguinito (607) 231-6605
- Email Me!

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

**Student Activities**
- Victoria Kramer (607) 321-6127
- Email Me!

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

**Albern Education Fund**
- Jason Gilbert (607) 777-2240
- Email Me!

**Honors & Awards**
- Petros Papathomopoulos (607) 723-9421
- Email Me!

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

**Symposium– Fall/Spring**
- Kyle Nedlik (607) 321-6100
- Email Me!

**Auditing**
- Rick Sanguinito & Andrew Nice (607) 231-6605 / 607-760-5960
- Email Me!

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

**Newsletter Editor**
- Andrew Nice 607-760-5960
- Email Me!

**YEA: Young Engineers**
- Devin Shapley (607)723-4979
- Email Me!

**Publicity**
- Andrew Nice 607-760-5960
- Email Me!
## Twin Tiers Chapter – Monthly Meeting Information

### 2017-2018 Meeting Dates:

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Tech Session Topic, Tour or Meeting Info</th>
<th>Attendance</th>
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<tbody>
<tr>
<td>19-Sep</td>
<td>Adam Keller, Pro Air Plus</td>
<td>Cooling Tower Basics</td>
<td>19</td>
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<td>Jerry Meyer Jr., MIS of America</td>
<td>Cooling Tower Shut-down and NSF Legionella Guideline</td>
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<td>17-Oct</td>
<td>Multiple/TBD</td>
<td>Fall Engineering Symposium—Daytime</td>
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<td>21-Nov</td>
<td>Michael Collins, Eagle Bay</td>
<td>TOUR Wegmans Johnson City Refrigerant Update</td>
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<td></td>
<td>Refrigeration</td>
<td></td>
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<tr>
<td>19-Dec</td>
<td>Distinguished Lecturer</td>
<td>TBD</td>
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<tr>
<td>16-Jan</td>
<td>Lanny Joyce, Mark Howe, Lou</td>
<td>TOUR Upson Hall Cornell University High performance building design - Sibley School of Mechanical and</td>
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<td></td>
<td>Damiani, Pete Meenan, Cornell</td>
<td>Aerospace Engineering building</td>
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<td></td>
<td>University</td>
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<tr>
<td>20-Feb</td>
<td>Jason Gilbert</td>
<td>TOUR Binghamton University Building</td>
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<tr>
<td>17-Apr</td>
<td>Multiple/TBD</td>
<td>Spring Engineering Symposium—Daytime</td>
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<tr>
<td>15-May</td>
<td>Doug Clay, Sack Engineering</td>
<td>TOUR Tompkins Trust Building New Tompkins Trust HQ Project – Water Source VRF, DOAS, Cooling Tower,</td>
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<td></td>
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<td>Boilers</td>
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<tr>
<td>19-Jun</td>
<td>None</td>
<td>Golf Tournament</td>
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**NOTE:** Speakers and topics are subject to change based on availability.
By
Rick Sanguinito Historian 2017-2018

August CRC Summary
Date: August 17-19, 2017

This year’s Region 1 Chapter Regional Conference (CRC) was hosted by the Long Island New York Chapter. The following people attended for our chapter:

Travis Fisher: Chapter Delegate 2017
Past Chapter President 2016-2017
Board of Governors 2017-2018

Petros Papathomopoulos: Chapter President 2017-2018
Alternate 2017

Jason Gilbert: Chapter Student Activities Chair 2017-2018
Chapter- YEA Co-Chair 2017-2018

Rick Sanguinito: Chapter Historian 2017-2018
Chapter Auditing Committee 2017-2018
Student Scholarship Chair 2017-2018

Rob VanSkiver: Chapter Refrigeration Chair 2017-2018
Board of Governors 2017-2018

Chris Wolak: Chapter Membership Promotion Chair 2017-2018
Board of Governors 2017-2018

Glenn Roberts: Research Promotion Chair 2016-2017, 2017-2018

Adam Keller: Chapter Secretary 2017-2018

Twin Tiers ASHRAE 40th Year as Premier Chapter
(One of 5 Premier Chapters in the World)

The Twin Tiers Chapter has received the PAOE award every year since our inception September 23, 1977.
History Report - CRC

Photo 1: Twin Tiers Chapter has maintained its Premier status with Star award and Special Citation.

Photo 2: Twin Tiers Awards
Jason Gilbert – Student Activities – Outstanding Student Branch Advisor

Photo 3: Twin Tiers Awards

Photo 4: Twin Tiers Awards
Andy Nice – Chapter Service Award

Photo 5: Twin Tiers Awards
Andy Nice – Black Ink Award
History Report - CRC

Photo 6: Tiers Chapter History display

Photo 7: Research Promotion Awards – Congratulations Glenn Roberts!!

Photo 8: Student Activities Most Improved Chapter – Congratulations Jason Gilbert

Photo 9: Travis Fisher accepting 2016-2017 PREMIER PAOE Award
Thank you Sponsors!

2017 Business Cards

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ANice@MeierSupply.com

PROAIRPLUS
Adam Keller
Sales Engineer
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Page 8
2017-18 Region 1 Officer Contacts

Regional Director
Regional Chair
William Walter
Email Me!

Nominating Committee
Regional Chair
Darcy Carbone
Email Me!

Members Council
REP
Joseph Furman
Email Me!

Refrigeration
Charles Bertuch
Email Me!

Membership Promotion
Lee Feigenbaum
Email Me!

CRC General Chair
Richard Hailey
Email Me!

Region YEA
Chonghui Liu (CL)
Email Me!

Grassroots Government Advocacy
Andrew Manos
Email Me!

Regional Representative
Spencer Morasch
Email Me!

Programs RVC
Peter Oppelt
Email Me!

Chapter Technology Transfer
Christopher Phelen
Email Me!

Student Activities
Steven Sill
Email Me!

Research Promotion
Tom Zoller
Email Me!

Electronic Communication Webmaster
Richard Kimball
Email Me!

Nominating Committee Alternate
Richard Vehlow
Email Me!

Regional Historian
Stanley Westhoff
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.
Research Promotion Message

Chapter Research Promotion

Dear ASHRAE Twin Tiers Member or Research Promotion (RP) Supporter,

As the RP Chair and a fellow member of the Twin Tiers Chapter, I wanted to personally ask you for your help in supporting ASHRAE Research. ASHRAE’s research program, established in 1912, supports 140 research projects with a combined value of more than $15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design, operation and management tools, alternative technologies, and materials and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students and research projects for graduate engineering students and new post-doctoral scholars.

For Research Information please see the following site:
https://www.ashrae.org/standards-research--technology/ashrae-rp

You can either donate directly with a credit card, see link below:
https://xp20.ashrae.org/secure/researchpromotion/rp.html

or send a check to:
ASHRAE Research Promotion
att. Patricia Adelmann
1791 Tullie Circle NE
Atlanta, GA 30329

Make check payable to “RP Donation-ASHRAE Twin Tiers”

Again, a personal Thank You for the following who have donated last year:

Air Temp Heating & Air Conditioning Inc
Michael Colwell
Travis Fisher
Brenton Ingraham
Christopher Kopec
Louis N Picciano & Son Incorporated

Mark Mattina
Michael McGinnis
Meier Supply Company
Raymond Millard
Arthur Monaco
Kyle Nedlik
Joseph O’Hara

Petros Papathomopoulos
Plumbers & Pipefitters Union 112
Francis Plunkett
Pro Air Plus Inc
Glenn Roberts
Norman Scott
Devin Shapley

I hope that ASHRAE and I can count on your support this year.
Email me, or come see me at a Chapter Meeting if you have any questions.

Glenn Roberts
Twin Tiers Research Promotion Chair
Email Me
September Meeting Announcement

September 19, 2017

September Chapter Meeting

DATE: Tuesday, September 19th, 2017
TIME: 5:00PM
MEETING LOCATION: Holiday Inn Binghamton Downtown
2 Hawley Street
Binghamton, NY 13901
PRESENTATION: Cooling Tower Basics
Cooling Tower Shut-down and NSF Legionella Guideline
SPEAKER: Adam Keller, Pro Air Plus
Jerry Meyer Jr., MIS of America
AGENDA: 5:00 – 5:30 – Social Time
5:30 – 6:30 – First Presentation
6:30 – 8:00 – Brief Chapter Meeting, Dinner, and Second Presentation
MENU: Buffet Dinner
REGISTRATION: Register online at http://twintiers.ashraechapters.org/ (Under the “Programs” Tab)
$25.00 Early Registration (By 9/15/2017)
$30.00 (After 9/15/2017)
CONTACT: Mike McGinnis
(Please call, text, or email me at below with any questions or if you get lost)
E: Email Me!
C: 607-727-3168
Thank you Sponsors!

2017 Business Cards

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e-mail: morrell@STCF.com

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Twin Tiers Chapter – August BOG Meeting Minutes

Board of Governors Meeting
Date: August 16, 2017
Location: McGirk’s Irish Pub
1 Kattleville Rd.
Binghamton, NY 13901

http://twintiers.ashraechapters.org

Agenda

Meeting was called to order at __________ 4:15pm __________

- Call to Order and Attendance: Devin Shapley, Mike McGinnis, Kyle Nedlick, Jason Gilbert, Rick Sanguinito, Petros Paphatomopoulos, Rob Vanskiver, Adam Keller
- General Announcements: Vote on new officer positions (see attached CIQ)
- Treasurer’s Report (Devin Shapley & Kyle Nedlik):
  - M&T: $16,069.51 (as of 08/16/2017)
  - PayPal: $0 ________ (as of 08/16/2017)
  - H.O. Ward: $25,652.65 (as of 08/16/2017)
  - William & Joan Alberni: $23,346.94 (as of 08/16/2017)
    - Show principal amounts for H.O. and William accounts
    - Make Meeting @ M&T to get Devin a card, lady needs wet ink signature, other officer need to be present?
    - Auto-renewal?
    - $1250 out of SA
    - $1750 in to RP
    - Devin to send out Proposed and Last year’s budget
- Audit: Treasury Report due July, Audit in August. – Rick, by end of the month?
- CTTC (Mike McGinnis / Kyle Nedlik)
  - Fall Symposium(Kyle): 2-3 speakers needed – Oct. 17 Holiday Inn Binghamton, Save the date?
  - Spring Symposium(Kyle): Address at the end of the year
  - Monthly Meetings (Mike): September meeting update
    - Rob – Wegmans for Refrigeration Night?
    - Past Pres and Donors history in Dec?
    - Jan – Upson Hall Cornell – Statler?
    - Mr. Joyce retiring, Acknowledge?
- Need to post the preliminary monthly schedule in the September newsletter.
Twin Tiers Chapter – August BOG Meeting Minutes

Board of Governors Meeting
Date: August 16, 2017
Location: McGirk’s Irish Pub
1 Kattleville Rd.
Binghamton, NY 13901

http://twintiers.ashraechapters.org

- YEA (Devin Shapley / Victoria Kramer): - TBD? Add Jason Remove Victoria

- Membership Promotion (Chris Wolak):

- GGAC (Adam Keller): - Going to CRC, List of people to be updated by October

- Student Activities (Jason Gilbert): - Eboard to Organize GIM
  - Travis- Cornell Chapter
  - Jason – Alfred Offer

- Research Promotion (Glenn Roberts)
- PAOE (Petros Papathomopoulos):

- New Business
  - Thompkins Update: Has online access been resolved? Is roster up-to-date? Talks to be by pres? Change bylaws to change that?
  - CRC
  - Chapter Homepage Editor / Webmaster position: Need volunteer to take over from Mike Colwell beginning on the 2018-2019 season.

Meeting was adjourned at 5:25pm
Motioned: Petros P.
Second: Mike M
What Were They Thinking???

The Condenser Stand was too much money!

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!

MODULAR COMFORT SYSTEMS

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5860 Belle Isle Rd, Syracuse, NY 13209 Phone: 315-484-9048 Fax: 315-484-9528
7401 Willowbrook Rd, Victor, NY 14564 Phone: 585-398-8018 Fax: 585-924-8362
Cell: 315-952-5056 Email: dbrosnan@mcsmmns.com Web: www.mcsmmns.com

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Aerosol Operations Manager
ehallas@taitem.com
Taitem Engineering, PC
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Ithaca, New York 14850
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ADELTA

Richard R. Sanguinito, PE, LEED AP
Vice President/Director of MEP Services
607-231-6605
607-222-3509
607-231-6650
rsanguinito@delta-eas.com
860 Hooper Road
Endwell, NY 13760
www.delta-eas.com

PDG

Joseph Parisella, PE, CPD
Sr. Mechanical Engineer
direct: 607.338.1284
e-mail: jparisella@pdgdesigngroup.com
main: 607.238.5888
fax: 607.338.1288
45 Lewis Street • Binghamton, NY 13901

Glenn Roberts
HVAC Sales Engineer - Equipment and Controls

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East Syracuse, NY 13057 US
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Fax (315) 433-9120
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www.trane.com

Ryan Byrd
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Team Leader

Trane Commercial Systems
15 Technology Place
East Syracuse, NY 13057
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rbyrd@trane.com
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Ingersoll Rand
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) 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
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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 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 6.2-2016
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
Thursday, April 6, 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.

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 6.2-2016
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.

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 $554 ($489 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.
Thank you Sponsors!

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

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Joe O'Hara, NCT
Branch Sales Manager

Camfil CLEAN AIR SOLUTIONS
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.tetratech.com/en/careers](http://www.tetratech.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
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
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 (+1 519 472 7328 ext 261)
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
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.
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
Environmental Design Engineer

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.
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 WATKINS@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
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 ads 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 Newsletter 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.

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

Go to the Newsletter 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
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