



Twin Tiers Chapter

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

Special points of interest:

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

ASHRAE 2016-2017



Shaping Tomorrow's
Built Environment Today

September Meeting

Sept. 20, 2016

Tour/Demonstration:
Meier Supply VRF Training Center

Presentation:
**Properly Applying & Specifying
VRF Technology**
Andy Nice, Meier Supply Co.

TWIN TIERS TALK



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](#)

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



Corner

President's

Dear Engineering Community,

It is a privilege to be a part of such a great Engineering Society such as ASHRAE. Now to be the President of our local chapter is just icing on the cake. After attending the Chapter Regional Conference (CRC) last month, I realized how much of an impact our small Twin Tiers Chapter has on ASHRAE Society as a whole. We are recognized! Our Chapter won numerous awards for last years involvement which can be seen in the following pages this Newsletter. We have our outgoing President, Mr. Breese, and last years Board of Governors (BOG) to thank for our past year success. This leaves me with big shoes to fill. I am very excited to be leading our chapter this year with a group of young motivated Engineers. A big push from Society is for local chapters to promote more Young Engineers in ASHRAE (YEA) involvement. Proudly this year we have 4/5 officers, and 4/9 BOG members who are part of YEA. I am very excited about the upcoming year and hope to see you all out at our monthly chapter meetings!

Thank you to all of you who support and volunteer your time for ASHRAE,

-Travis

Twin Tiers Chapter President

Chapter President



Travis R. Fisher
(607) 255-5608

[Email Me!](#)

2016-2017 Chapter Officers

President-Elect

Petros Papathomopoulos
(607) 723-9421

[Email Me!](#)



Vice President

Michael McGinnis
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[Email Me!](#)



Treasurer

Kyle Nedlik
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Secretary

Devin Shapley
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Newsletter Disclaimer Statement

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

Twin Tiers Chapter

Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities
MIN/PAR	600/1200	450/1050	500/650	100/300	500/800	800/1050	300/500
Current	435	0	0	50	355	0	100

POINTS CURRENT AS OF 9/1/2016

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 (607) 724-8282 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!



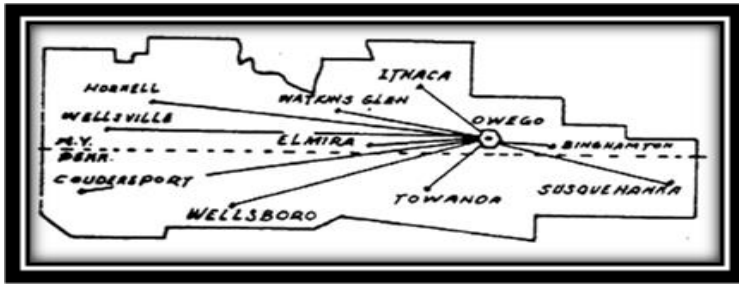
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Twin Tiers Chapter– Monthly Meeting Information

2016-2017 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
20-Sep	Andy Nice, Meier Supply Co.	VRF Training Center Tour and Properly Specifying VRF Presentation	
18-Oct			
15-Nov			
20-Dec	Distinguished Lecturer	Distinguished Lecturer	
17-Jan			
21-Feb			
21-Mar			
18-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	
16-May			
20-Jun	None	Golf Tournament	

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



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

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
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**Nominating Committee
Alternate**
Darcy Carbone
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Membership Promotion
Lee Feigenbaum
[Email Me!](#)



**Chapter Technology
Transfer**
Christopher Phelen
[Email Me!](#)



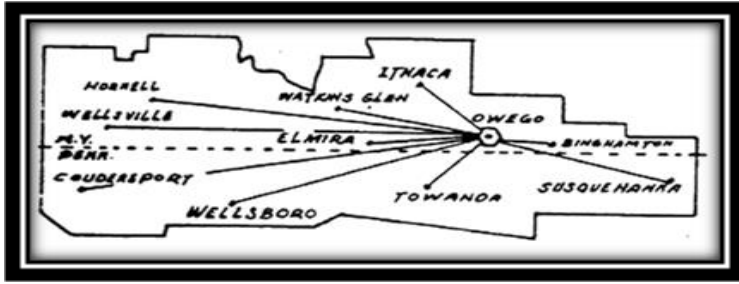
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Richard Vehlow
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Regional Representative
Spencer Morasch
[Email Me!](#)



Programs RVC
Peter Oppelt
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Membership Promotion Message

Chapter Membership Promotion

Chris Wolak

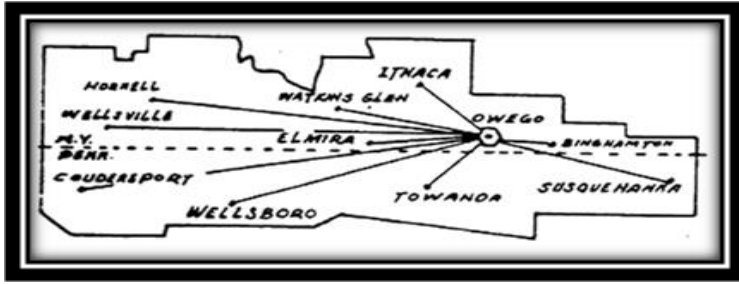
As we begin a new chapter year I would like to remind everyone that ASHRAE has two different membership grades: Associate and Member. Full member status is available to all members with 12 years of experience in the industry. This includes any post high school education. For example, if you have eight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

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

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

Chris Wolak
Twin Tiers Membership Chair

[Email Me](#)



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

September Meeting Announcement

September 20, 2016

September Chapter Meeting

Tour/Tour Guides: Meier Supply Co. - VRF Training Center

Ed Brink, Director of Technical Training - Meier Supply Co.

Steve Post, Applied Products Division Manager - Meier Supply Co.

Andrew Nice, Commercial Sales Engineer - Meier Supply Co.

Presentation/Speaker: Properly Applying & Specifying VRF Technology

Andrew Nice (Meier Supply Co.)

Variable Refrigerant Flow Technology has quickly become a very prevalent technology in our industry. And as this has happened so quickly there needs to be proper training/education facilities for the system design and equipment installation communities. We will be touring the new Meier Supply VRF Training Center. This training center houses over 20 tons of live VRF and ductless equipment. The systems will be operating for all participants to test and operate. There will be Meier Supply VRF trainers and personnel on staff to explain the operation of the VRF system and to field any questions on operation or installation.



The tour will be followed by a dinner and a presentation on properly applying & specifying VRF technology. This short presentation will cover many application and specifying challenges that a design engineer can face when designing around VRF technology. A few of the points we will cover are; selecting a heat pump versus heat recovery, how to handle ventilation air, managing ASHRAE 15/34, piping differences, heating capabilities, and specifying pit falls. The presentation aims to better inform the design community on how to and safely select and specify VRF technology.



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

September Meeting Announcement

September 20, 2016

September Chapter Meeting

DATE: Tuesday, September 20th, 2016

TIME: 5:00PM

MEETING LOCATION: Meier Supply Co. Front Lobby
275 Broome Corporate Parkway
Conklin, NY 13748

SPECIAL EVENT: N/A

SPEAKER: Andrew Nice - Meier Supply Co.

AGENDA: 5:00 – 6:00 – (Meet at Meier Supply Lobby) Tour of VRF Training Center
6:00 – 6:30 – (Meier Supply) Social Time/Registration
6:30 – 8:00 – (Meier Supply) Dinner, Presentation, and Brief Chapter Meeting

MENU: Food & Fire BBQ Catered Buffet Dinner

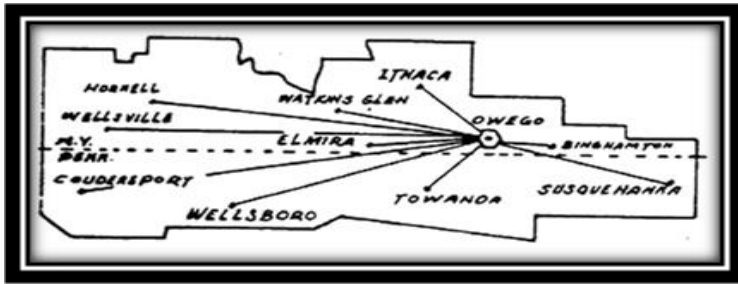
REGISTRATION: Register online at <http://twintiers.ashraechapters.org/> (Under the "Programs" Tab)
\$25.00 Early Registration (By 9/16/2016)

\$30.00 (After 9/16/2016)

CONTACT: Petros Papathomopoulos
(Please call, text, or email me at below with any questions or if you get lost)

E: Email Me!

C: (607) 725-6900



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

Twin Tiers Chapter– July BOG Meeting Minutes

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

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

Board of Governors AGENDA

Date: Friday 07/29/2016 @ 4:00 PM

Location: The Galley on Hooper Road, Endwell NY

WebEx: (800) 747-5150, Access code 9233888

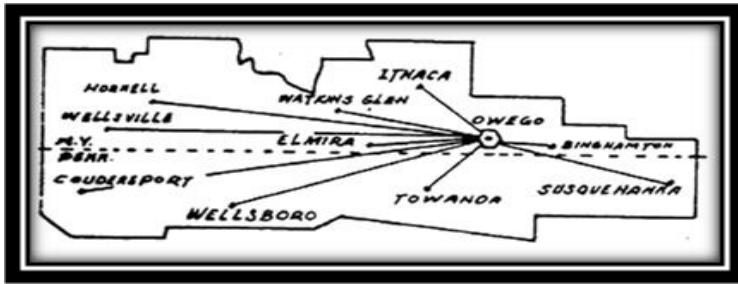
(My cell in case you get lost or will be late: 607-972-1342)

What to Bring: Yourself with ideas.

AGENDA

The meeting was called to order at: 4:15pm

1. Call to Order and Attendance:
 - a) Attendance: Rick Sanguinito, Travis Fisher, Glenn Roberts, Chris Wolak, Adam Keller, Jason Gilbert
2. General Announcements – Travis Fisher
 - a) Thank you to Doug Breese and the officers from last year for maintaining our premier status (one of three remaining chapters) and almost achieving the STAR award.
 - b) Introductions – Go through list of officers and quick review of responsibilities. Current Officers:
 - ☐ Travis Fisher – President, Honors & Awards
 - ☐ Petros Papathomopoulos – President-Elect, Grassroots Government Advocacy Co-Chair, Technology Transfer Chair
 - ☐ Mike McGinnis – Vice President, Special Events Committee, Technology Transfer Co-Chair
 - ☐ Kyle Nedlik – Treasurer, Reception Committee
 - ☐ Devin Shapley – Secretary, YEA Chair
 - ☐ Doug Breese – Board of Governors, Membership Promotion Co-Chair, Grassroots Government Advocacy Chair
 - ☐ Glenn Roberts – Research Promotion Chair
 - ☐ Chris Wolak – Membership Promotion Chair
 - ☐ Adam Keller – Board of Governors
 - ☐ Rob Vanskiver – Board of Governors, Refrigeration Chair
 - ☐ Rick Sanguinito – Auditing Committee, Historian
 - ☐ Mike Colwell – Homepage Editor, Webmaster
 - ☐ Matt Hawley – Special Events Committee
 - ☐ Andy Nice – Newsletter Editor, Nominating Committee, Publicity, Research Promotion Co-Chair
 - ☐ Jason Gilbert – Auditing Committee, Student Activities Chair



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Twin Tiers Chapter– July BOG Meeting Minutes

☐ Victoria Kramer – YEA Co-Chair (Need to upgrade to associate member)

3. Treasurer's Report – Kyle Nedlik

- M&T: \$19,316.98
- Paypal: \$0.00
- H.O. Ward: \$25,023.47 (as of 7/1/2016)
- William & Joan Alber: \$22,242.05 (as of 7/1/2016)
- Audit: On track. Jacob needs Feb 16 H.O. Ward statement, Travis contacted Thompsons – waiting for response. Need to schedule Audit Committee deadline, **September 1 deadline.**
- Kyle meeting with Petros today to review Treasurer position, touching base with Jacob next week for handoff.
- M&T account setup – Need to send around form to add Kyle.
- CRC – Society to issue \$800 refund for CRC mix-up
- Doug – Turn over card after CRC.
- \$900 HO Ward reimbursement for scholarship, discuss possibly retaining money in the scholarship fund account and not reimbursing the M&T account.
- Add HO Ward baseline to treasurer report

4. CTTC – Mike/Petros

- a) Do you have all DL information? **Forward DL info to Mike and Petros**
- b) Monthly Meetings – **Send template for monthly meeting to Petros**
 - ☐ Do we have someone lined up for September? **Corning, too complicated? Cornell, send Petros George Lampilla contact.**
 - ☐ Updates on Vijay to present for January? **Set up for meeting at Cornell in January**
 - ☐ Joint meeting available with CNY, Travis can help coordinate
- c) Fall Symposium
 - ☐ Currently canceled, anyone hear any difference?
 - ☐ Thoughts on a replacement? **Possible online web-hosted PDH presentation? Discussed contractor shop tours - Pipe fitting, Southern Tier Custom Fab, Mechanical Testing presentation, Langley presentation, ASPE joint meeting**
- d) Spring Symposium
 - ☐ Motion to search for alternate location – **Need to identify new location before we move it.**
 - ☐ The food, service, and facility was horrible last year
 - ☐ Need a new inviting venue
 - ☐ **Holiday inn Binghamton**
 - ☐ **Had some negative feedback regarding clambake, some did not like separate locations**
 - ☐ **Petros and Travis send speaker list to Mike**

5. YEA – Devin/Victoria

- a) We need to establish 2 events for the year. I would like to have ideas for the first event by our next BOG meeting in September.
 - ☐ **Water Street Brewing?**



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Twin Tiers Chapter– July BOG Meeting Minutes

6. PAOE Responsibility – Travis Fisher

a) PAOE duties during the year.

<i>Expectations</i>		Current	PAR	Max
Membership Promotion	Chris Wolak	200	500	800
Student Activities	Jason Gilbert	0	300	500
Research Promotion	Glenn Roberts	0	800	1050
Historical	Rick Sanguinito	0	100	300
Chapter Operations	Travis Fisher	0	600	1200
Chapter Technology Transfer	Petros Papathomopoulos	0	450	1050
Grassroots Government Activities	Petros Papathomopoulos	0	500	650

7. New Business

a) PayPal: Kyle

1. Do we need to change account name again for this year?
2. Are we non-profit now?

b) Student Scholarships: Jason/Rick – Let's get on this early this year.

1. Withdrawal for refund to Chapter in fall after audit - Rick
2. When and how do we advertise the scholarship? **Go through BOCES to reach out to local high schools, need to set up at Student Chapter at Cornell.**
3. Who is eligible, what do the applicants need to do, and what is the deadline?
4. When and who selects the winner(s)?
5. How do we announce the winners and how do we disperse the scholarship(s)?
6. Add a scholarship page to the website.

c) Member Shirts: Andy – Are we still doing this?

- Shirts will be given to members who are attending the CRC & Members with attend ¼ of the Meetings.
- Current free shirt count: 0
- Shirt lead time 1 - 2 Weeks

d) Region 1 CRC: Travis

- When: August 18 – 20
- Where: Rochester, NY
- Doug Breese, Jason Gilbert, Rick Sanguinito, Jason Gilbert, & Devin Shapley
- Society Forms
- Are we doing a History display? **Yes**
- Registration & Lodging – Doug prepaid with M&T Card
- Travel Arrangements
- Required Meetings (for PAOE)
- Recommended attendance: EVERYONE!

e) Spring Symposium: Mike

- Motion to search for alternate location
- The food, service, and facility was horrible last year
- Need a new inviting venue

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**Thank you
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2016 Business Cards

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Andrew Nice

**Commercial HVAC Sales Engineer
Applied Products Division**

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**Dominick DeLucia
Project Engineer**

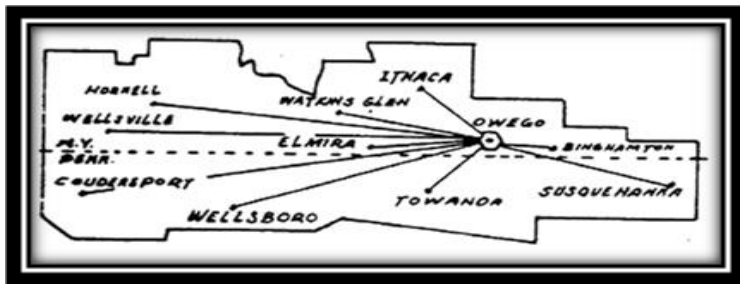
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History Report - 2016 CRC Summary



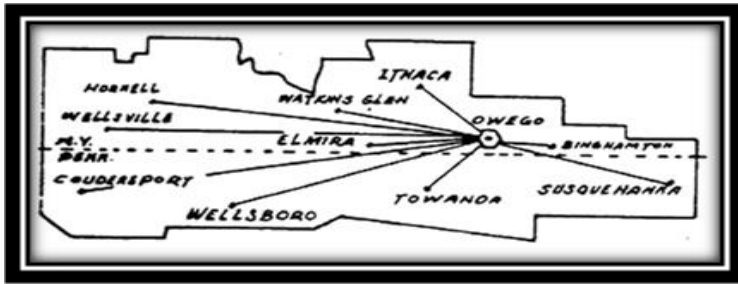
By
Rick Sanguinito Historian 2016-2017

AUGUST CRC Summary

Date: August 18-20, 2016

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

Doug Breese	Chapter Delegate
	Past Chapter President
Travis Fisher	Chapter President
	Alternate
Jason Gilbert	Chapter Student Activities Chair
	Chapter Auditing Committee
Rick Sanguinito	Chapter Historian
	Chapter Auditing Committee
Rob VanSkiver	Chapter Refrigeration Chair
	Board of Governors
Chris Wolak	Chapter Membership Promotion Chair
	Board of Governors
Glenn Roberts	Research Promotion Chair



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

History Report - 2016 CRC Summary



Photo 1: Twin Tiers Chapter has maintained it Premier status with Special Citation



Photo 2: Twin Tiers Awards

Most Improved Chapter – Honorable Mention – Doug Breese

Black Ink Award – Andy Nice

Chapter Technology Transfer Chapter Programming Star Award – Travis Fisher

Outstanding Performance Research Promotion – Honorable Mention – Andy Nice

----- Congratulations!! -----

Photo 8: YEA event at the Genesee Brew House





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

History Report - 2016 CRC Summary



Photo 3: Twin Tiers Chapter History display



Photo 4: Research Promotion Awards
Congratulation Andy Nice!!



Photo 5: Student Activities Most Improved Chapter
Congratulation Jason Gilbert !!



Photo 6: Doug Breese accepting Award



Photo 7: Overlook of Rochester

American Society of Heating, Refrigerating,
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**Thank you
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2016 Business Cards

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Account Manager



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

What Were They Thinking???



Lock ON tag ON?

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. ***

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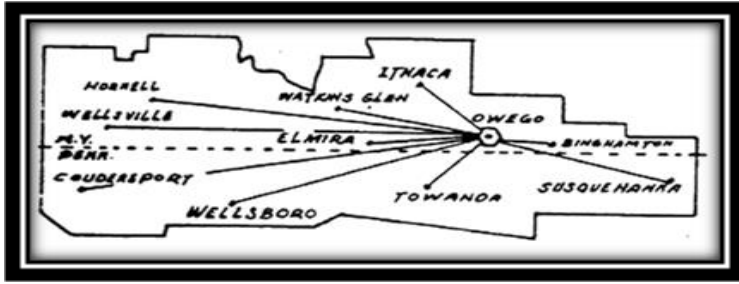
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TRAINING



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

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

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

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

Take Your PE Ethics Self Test Here!

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



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TRAINING



New York State Professional Engineers
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www.aecdaily.com

www.ronblank.com

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





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

TRAINING



2016 Supplier Webinar Series

Dynamic Balancing

Broadcast Live September 15th, 2 p.m. ET

Presented by Belimo

Pressure Independent Valves offer system stability, improved efficiency and overall versatility that can only be achieved in a dynamically balanced hydronic system. During this webinar you will learn how partial loads can wreak havoc on statically balanced systems and how static balancing devices underperform the majority of the time. See how pressure independent valves can keep your system balanced at all loads and flow, eliminate overflows, and achieve perfect valve authority.

Energy and performance models make a few faulty assumptions about hydronic performance. By understanding these assumptions, we can have a better view of actual performance. This presentation will examine the performance impact of improper valve sizing, unstable system pressures and balancing device selection. We will also examine the physical effects of valve authority and coil degradation in hydronic systems

In this session we will discuss:

- Design and Modeling Assumptions
- Hydronic Heat Transfer at the Coil
- Hydronic Performance Problems
- Valve Sizing
- Static vs. Dynamic Balancing
- Coil Performance
- Optimize Potential Performance Solutions

About the Presenter



Dick Hubbell, Regional Application Consultant

Dick Hubbell has over 25 years in the HVAC industry, spending the last 14 years with Belimo Aircontrols. As a Regional Application Consultant (RAC), he works with Consulting Engineers on design projects and the product specifications. Previously he held the position of the New England District Sales Manager with Belimo Aircontrols. Prior to Belimo, Dick was a Senior Mechanical Engineering Program Manager on projects for NASA, the US Air Force and NOAA as part of the Defense Meteorological Satellite Program. A specialist in heat transfer and thermodynamics, Dick has a BS and MS from Cornell University and attended L'ENSMA in Poitiers, France.

Register



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

INDUSTRY ARTICLE

DICK'S Sporting Goods Investing More Than \$100 Million to Construct 650,000-Square-Foot Distribution Center

www.governor.ny.gov

By Press Office of NYS Governor Jul. 19, 2016

Governor Andrew M. Cuomo today announced DICK'S Sporting Goods, Inc., the nation's leading sports and fitness retailer, will invest \$100 million to build a regional distribution facility at the Broome County Corporate Park in the Town of Conklin. DICK'S investment is creating 466 full-time jobs over the next five years in the Southern Tier. Construction on the 650,000-square-foot facility will begin next month and is scheduled for completion in early 2018. The new DICK'S distribution center strengthens the company's roots in Binghamton, where it was founded seven decades ago, and is aligned with Southern Tier Soaring – the region's comprehensive blueprint for economic growth.

"From our Regional Economic Development Councils to the Upstate Revitalization Initiative, we are laying the groundwork for regions across the state to transform their communities into local economic engines," **Governor Cuomo said.** "The new DICK'S distribution center is proof positive that our strategy of capitalizing on regional assets to attract top-level private investment and leverage job growth is working right here in the Southern Tier. Today's announcement demonstrates the progress that has been made in changing the trajectory of New York's business climate and we will continue to invest in this region's assets to attract businesses and generate economic opportunity for generations to come."



DICK'S Sporting Goods Chairman and CEO Edward W. Stack said: "We are extremely pleased to announce our plan to build and operate a distribution center in Greater Binghamton, further strengthening our deep roots in this community. We started the company here and ultimately chose Conklin for the business-friendly environment, the quality and reliability of the workforce and the opportunity to bring jobs to our hometown."

Attracting top-level private investment to the Southern Tier is a central component of Southern Tier Soaring, the region's comprehensive blueprint to generate robust economic growth and community development. The State has already invested more than \$3.1 billion in the region since 2012 to support the plan – attracting a talented workforce, growing businesses and creating new jobs.

DICK'S new regional distribution facility in Broome County will be its fifth nationally. The center will be located on an approximately 123-acre site in the Broome Corporate Park and will service over 200 retail locations throughout the Northeast. Along with construction of the facility, related site work will include wetland mitigation, grading and clearing, and extension of utilities. Additionally, DICK'S is pursuing LEED certification for the facility with plans to incorporate sustainable components such as high efficiency lighting and HVAC, recycled and environmentally-friendly construction materials, energy management systems and recycling programs for corrugate and plastics.



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

INDUSTRY ARTICLE

DICK'S Sporting Goods Investing More Than \$100 Million to Construct 650,000-Square-Foot Distribution Center (Cont.)



DICK'S expansion in the Southern Tier strengthens its roots following the company's founding in 1948 by the Stack family. Richard 'Dick' Stack started with a \$300 loan from his grandmother's cookie jar. Using that money, Dick opened a bait-and-tackle shop on Court Street in Binghamton. By 1958, he had expanded the product line to include much of what is in the more than 645 DICK'S Sporting Goods stores across the nation today.

Empire State Development President, CEO & Commissioner Howard Zemsky said, "Today's announcement is further proof of the tangible success of the Southern Tier

region's strategic plan to attract private sector investment and leverage it into economic growth. DICK'S latest expansion will bring more than 450 new jobs back to its hometown of Binghamton and it's a prime example of what we can achieve when we work closely with regional partners to achieve real results."

The State and Broome County together have offered a competitive incentive package as part of their efforts to attract DICK'S Sporting Goods' major distribution facility, and create than 466 new jobs, for the Southern Tier region. New York State's performance-based incentives are valued at up to \$12 million, including funds from the region's Upstate Revitalization Initiative and Excelsior Jobs Program tax credits. Additionally, the Broome County Industrial Development Agency is slated to approve tax abatements in the immediate future.

Broome County Executive Debbie Preston said: "I am pleased that DICK'S is coming back to continue its legacy and strengthen its roots right here in the Southern Tier. This decision sends the strong message that Broome County is a great place to do business and is yet another exciting chapter in our regions' economic narrative. I thank the Governor and for his vision and for his commitment to generating economic growth in our community and look forward to our progress in years to come."

Broome County Industrial Development Agency Executive Director Kevin McLaughlin said: "This is a tremendous project for Broome County, and one that was not easy to put together. We had a lot of site challenges and numerous hurdles to jump. The collaboration between our office, New York State, the DEC, the Army Corp of Engineers, Broome County, the Town of Conklin and Delta Engineers was amazing and the commitment by DICK'S Sporting Goods and JLL to make this project work kept us moving forward. We are thrilled that the day is finally here to announce DICK'S return to Broome County."

"Governor Cuomo Announces New Dick's Sporting Goods Distribution Facility to Create 466 Jobs in the Southern Tier" New York State Governor Andrew M. Cuomo. Press Office of the New York State Governor, 19 Jul. 2016. Web. 1 Sept. 2016. <<https://www.governor.ny.gov/news/governor-cuomo-announces-new-dicks-sporting-goods-distribution-facility-create-466-jobs>>.



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

INDUSTRY ARTICLE

Governor Cuomo Announces \$16 Million Available for Community Clean Energy Projects

www.governor.ny.gov

By Press Office of NYS Governor Aug. 3, 2016

Municipalities Eligible to Apply for Funding and Technical Assistance to Implement Energy Efficiency, Renewable, and Sustainable Development Projects in their Communities

Initiative Supports New York's Recent Adoption of the Clean Energy Standard and its Aggressive Mandate to Achieve 50 Percent Renewables by 2030

Governor Andrew M. Cuomo today announced the launch of Clean Energy Communities, a \$16 million initiative to help local governments across the state reduce energy consumption and drive clean energy use in their communities. The new initiative advances the Governor's Reforming the Energy Vision strategy and demonstrates the importance of communities in helping New York achieve the state's goal to supply 50 percent of its electricity from renewable energy resources by 2030.



"New York is a leader in the fight against climate change and the development of a green economy and at the heart of these efforts are the individuals across the state," **said Governor Cuomo**. "This initiative encourages alternatives that will save money and create new opportunities for municipalities, and is one more step toward building a cleaner and more sustainable New York."

Cities, counties, towns and villages that complete at least four of the 10 high-impact clean energy actions identified by the New York State Research and Development Authority will be designated Clean Energy Communities. These communities will become eligible to apply for grants of up to \$250,000 with no local cost share to support additional clean energy projects.

One key objective of Clean Energy Communities is to harness the capabilities of local governments to motivate their communities and accelerate local energy-saving and renewable energy projects, such as solar and wind. The communities' actions will help them meet their sustainability, climate and energy goals while contributing to the state's efforts to meet the Clean Energy Standard, which mandates that 50 percent of New York's electricity come from renewable sources by 2030.



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

INDUSTRY ARTICLE

Governor Cuomo Announces \$16 Million Available for Community Clean Energy Projects (Cont.)

Basil Seggos, Commissioner of the Department of Environmental Conservation, said, “Communities are essential in the fight to address climate change and achieving our emission reduction and energy efficiency goals, and through Governor Cuomo’s ongoing leadership, New York State has built a robust state-local partnership through our Climate Smart Communities program, with 187 communities across New York enrolled. The new Clean Energy Communities grants provide the resources that communities need to implement the clean energy actions and transportation improvements that are critical for New York State to meet its greenhouse gas reduction goals.”

The actions that local officials can take with NYSERDA and other state support through the program include:

- Benchmarking energy use at municipal and large privately owned buildings.
- Performing energy efficiency and renewable energy upgrades to municipal buildings.
- Replacing street lights with energy-efficient LED lighting.
- Streamlining local approval processes for solar projects through adoption of the NYS Unified Solar Permit.
- Undertaking a community-based Solarize campaign to reduce solar project costs through joint purchasing.
- Providing energy code enforcement training to code officers.
- Earning Climate Smart Communities Certification by reducing the community’s impact on the environment.
- Passing a local law to allow aggregation of residents to gain greater choice and control over energy use as a group (called Community Choice Aggregation).
- Installing electric vehicle charging stations and using alternative fuel vehicles, such as hybrid and electric cars, for municipal business.
- Establishing an Energize NY Finance Program that enables long-term, affordable Property Assessed Clean Energy financing for energy efficiency and renewable energy projects at commercial buildings and not-for-profits.





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

INDUSTRY ARTICLE

Governor Cuomo Announces \$16 Million Available for Community Clean Energy Projects (Cont.)

Through Clean Energy Communities, locally based outreach and implementation coordinators will provide free, on-demand technical assistance, including step-by-step guidance, case studies and template contracts to help municipalities implement these actions and address their clean energy priorities. To access this support, please send an email to cec@nyserda.ny.gov.

About Clean Energy Fund

The 10-year, \$5.3 billion Clean Energy Fund is a core component of New York State's Reforming the Energy Vision strategy to achieve a clean, resilient and affordable energy system for all New Yorkers. It is designed to deliver on New York State's commitment to reduce ratepayer collections, drive economic development, and accelerate the use of clean energy and energy innovation. It includes a minimum of \$234 million in funding over the first three years to support clean energy opportunities specifically to benefit low- to moderate-income communities throughout the State. The CEF also supports the aggressive Clean Energy Standard, which requires that 50 percent of the State's electricity come from renewable energy sources by 2030.



About Reforming the Energy Vision

Reforming the Energy Vision is Governor Andrew M. Cuomo's strategy to lead on climate change and grow New York's economy. REV is building a cleaner, more resilient and affordable energy system for all New Yorkers by stimulating investment in clean technologies like solar, wind, and energy efficiency and generating 50 percent of the state's electricity needs from renewable energy by 2030. Already, REV has driven 600 percent growth in the statewide solar market, enabled over 105,000 low-income households to permanently cut their energy bills with energy efficiency, and created thousands of jobs in manufacturing, engineering, and other clean tech sectors. REV is ensuring New York State reduces statewide greenhouse gas emissions 40 percent by 2030 and achieves the internationally-recognized target of reducing emissions 80 percent by 2050. To learn more about REV, including the Governor's \$5 billion investment in clean energy technology and innovation, please visit www.ny.gov/REV4NY and follow us at [@Rev4NY](https://twitter.com/Rev4NY).



"Governor Cuomo Announces \$16 Million Available for Community Clean Energy Projects" New York State Governor Andrew M. Cuomo. Press Office of the New York State Governor, 3 Aug. 2016. Web. 1 Sept. 2016. <<https://www.governor.ny.gov/news/governor-cuomo-announces-16-million-available-community-clean-energy-projects>>.

American Society of Heating, Refrigerating,
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**Thank you
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2016 Business Cards



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

Twin Tiers Chapter– Employment Opportunities

MECHANICAL ENGINEER

CORNING

Job Number: 179603

Location: Corning, NY

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

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

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

Scope of Position:

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

Day to Day Responsibilities:

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



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

Twin Tiers Chapter– Employment Opportunities

MECHANICAL ENGINEER (Cont.)

CORNING

Travel Requirements: Minimal

Hours of work/work schedule/flex-time:

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

Education and Experience:

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

Qualifications:

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

EOE/AA including Veterans and Disabled.

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



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

Twin Tiers Chapter– Employment Opportunities

LABELLA

Associates

Engineering
Architecture
Environmental
Planning

SENIOR MECHANICAL ENGINEER – PROJECT MANAGER

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

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

Responsibilities:

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

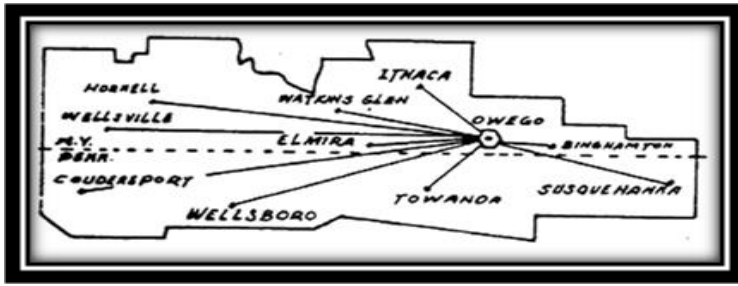
The ideal candidate will possess:

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

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

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

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



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

Twin Tiers Chapter– Employment Opportunities

LaBella

Associates

Engineering
Architecture
Environmental
Planning

Mechanical Engineer

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

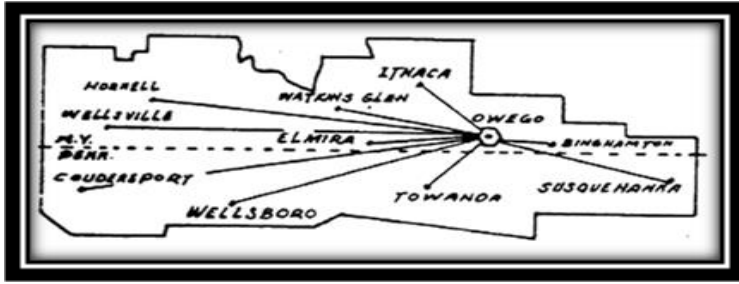
We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

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

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

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

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



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

Twin Tiers Chapter– Employment Opportunities

LaBella

Associates

Engineering
Architecture
Environmental
Planning

Junior Electrical Engineer

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

We are currently seeking a Junior Level Electrical Engineer with a career interest in Building Projects to work in our Elmira Heights, NY office. This position will work with other Engineers as part of a Project Team to develop concepts, strategies, designs, drawings, specifications and reports. Duties may also include assisting with energy clients.

AutoCad experience required. Bachelor's degree and a minimum of two years experience in the A/E consulting business is required.

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.

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

Twin Tiers Chapter– Business Cards Advertisement for Newsletter

ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2016.

- New subscription will run the calendar year 2016.
- Cost to advertise for the 2016 year is \$50.
- Sign up now for the 2016 year On Pay Pal <http://twintiers.ashraechapters.org>

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

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

- Email a copy of your business card to Twin Tier Newsletter Editor Email.

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

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

Business Card Advertising 2016

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 2016. 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 2016 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

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



Comments? Suggestions?

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

We welcome your feedback!



ASHRAE Mission Statement

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

Ethics Requirement for PE

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

ASHRAE Vision Statement

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

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

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

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

Twin Tiers Chapter Mailing Address:

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