



# 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 2021-2022



Shaping Tomorrow's Built Environment Today

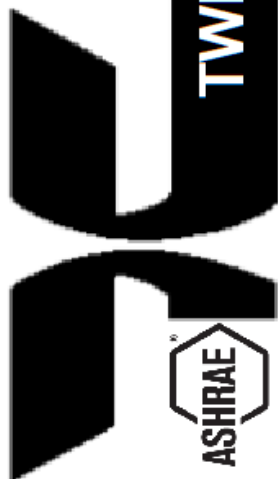
### February Meeting February 15, 2022

### Virtual PRESENTATION:

### “Fundamentals of Condensing Boiler Vent Design”

Alex Pedrosa,  
Fulton Heating Solutions

TWIN TIERS TALK



To register, visit the Chapter website:  
<http://twintiers.ashraechapters.org>

Please send all newsletter comments to:  
Andrew Nice, Newsletter Editor  
c/o Meier Supply Co.  
275 Broome Corporate Parkway  
Conklin, NY 13748  
[Email the Editor](#)

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President's

Corner

Dear Twin Tiers Chapter Members,

Thank you to everyone who attended our chapter meeting last month which gave us an overview of Cornell University's District Steam to Hot Water conversion. The Cornell team gave us great insight into the design approach, construction challenges and some of their goals moving forward on the path to Net Zero. A big thank you goes out to Travis Fisher, Frank Perry, Cole Tucker and Mark Howe of the Cornell Team for a fantastic presentation.

This month's meeting will be a virtual presentation on the "Fundamentals of Condensing Boiler Vent Design" (1 PDH Available). Alex Pedrosa of Fulton Heating Solutions Inc. will cover the "Do's and Don'ts" of Hydronic Condensing Boiler Vent Design. The presentation will look at venting guidelines, proper materials selection, combustion air, flue gas venting and draft equipment.

Recently we sent out a survey asking our members how they feel about virtual vs. in person meetings for the rest of the year, and we would like to thank everyone who participated. We received great feedback and this will help us develop our chapter programming for the rest of the year.

I would like to take the time to thank all our members who have donated to our Research Promotion initiatives and fundraisers. Your commitment and generosity help our Chapter continue to have a positive impact on our local industry.

Lastly, I want to remind our chapter members that each year, our chapter has several scholarships available for students that may be interested in pursuing a career in the HVAC & R industry. If you know of any students who may be interested, please encourage them to go to our chapter website or reach out to any chapter officer to apply.

Sincerely,  
Adam Keller  
Twin Tiers Chapter President

Chapter President



Adam Keller  
(315) 484-9526  
[Email Me!](#)

2021-2022  
Chapter Officers

**President-Elect**  
Victoria Kramer  
(607) 321-6127  
[Email Me!](#)



**Vice President**  
Dana Ehrets  
(315) 920-0487  
[Email Me!](#)



**Treasurer**  
Alison Kran  
(631)806-5977  
[Email Me!](#)

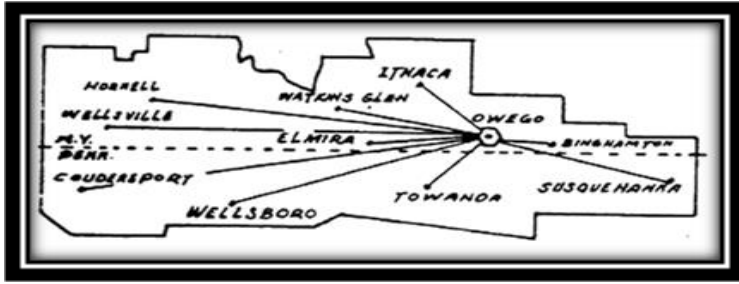


**Secretary**  
Devin Shapley  
(607)723-9421  
[Email Me!](#)



**Newsletter Disclaimer Statement**

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

## Twin Tiers Chapter

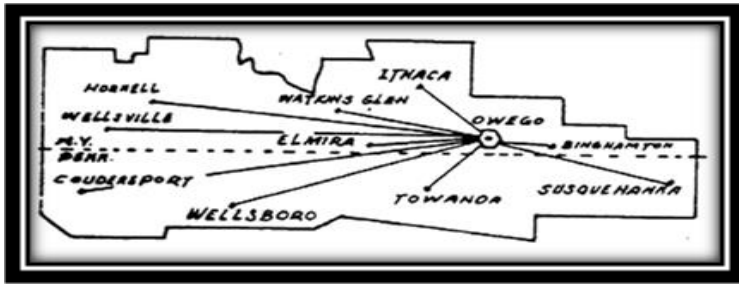
### Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Electronic Communications	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities	Young Eng. In ASHRAE
<b>MIN/ PAR</b>	600/1200	550/1050	300/700	500/650	100/300	500/800	800/1050	500/800	300/800
<b>Current</b>	530	680	100	100	130	1250	705	100	950

POINTS CURRENT AS OF 2/14/2022

### Chapter Committee Chairs

<b>Technology Transfer</b> Victoria Kramer (607) 321-6127 <a href="#">Email Me!</a>	<b>Government Activities</b> Adam Keller (315) 484-9526 <a href="#">Email Me!</a>	<b>Refrigeration</b> Rob VanSkiver (585) 591-8168 <a href="#">Email Me!</a>	<b>Golf &amp; Clambake Outing</b> Michael McGinnis (607) 727-3168 <a href="#">Email Me!</a>
<b>Membership Promotion</b> Chris Wolak (484) 350-1954 <a href="#">Email Me!</a>	<b>Nominating</b> Adam Keller (315) 484-9526 <a href="#">Email Me!</a>	<b>Meeting Reception</b> Alison Kran (631) 806-5977 <a href="#">Email Me!</a>	<b>H.O. Ward Scholarship</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>
<b>Research Promotion</b> Michael McGinnis 607.727.3168 <a href="#">Email Me!</a>	<b>Student Activities</b> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>	<b>Membership Directory</b> Chris Wolak (484) 350-1954 <a href="#">Email Me!</a>	<b>Albern Education Fund</b> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>
<b>Honors &amp; Awards</b> Adam Keller (315) 484-9526 <a href="#">Email Me!</a>	<b>Historian</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>	<b>Symposium– Fall/Spring</b> Dana Ehrets (315) 920-0487 <a href="#">Email Me!</a>	<b>Auditing</b> Rick Sanguinito & Andrew Nice (607) 231-6605 / 607-760-5960 <a href="#">Email Me!</a>
<b>Webmaster</b> Petros Papathomopoulos (607) 723-9421 <a href="#">Email Me!</a>	<b>Newsletter Editor</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>YEA: Young Engineers</b> Kyle Nedlik (607) 321-6100 <a href="#">Email Me!</a>	<b>Publicity</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>



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## Twin Tiers Chapter– Monthly Meeting Information

### 2021-2022 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
21-Sep	TOUR - Factory By Beer Tree	Brewery Tour & "Welcome Back" Social Hour	-
Oct-19	TOUR—Southern Tier Custom Fabricators	Sheet Metal & Piping Fabrication Shop Tour	-
16-Nov	Steve Kujak, ASHRAE DL	"The Future of Refrigerants" (1PDH)	-
21-Dec	Richard H. Rooley	Virtual Presentation: "Where Have All the Ethics Gone?" (1PDH) Donor Recognition, Research Promotion	-
18-Jan	Virtual TOUR - Cornell University	Campus Steam to Hot Water Conversion Past President, History, Research Promotion	-
15-Feb	<b>Alex Pedrosa, Fulton Heating Solutions</b>	<b>Virtual Presentation: "Fundamentals of Condensing Boiler Vent Design" (1 PDH)</b> <b>Refrigeration Night</b>	-
15-Mar	TOUR - Binghamton University Nursing School	Tour and Presentation of BU School of Nursing Student, & YEA Night (ASHRAE Jeopardy)	-
19-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	-
17-May	TOUR - SUNY Broome Culinary Arts School	SUNY Broome Culinary School Tour	-
7-Jun	None	Golf Tournament	-

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

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and Air-Conditioning Engineers, Inc.



**Thank you  
Sponsors!**

## 2021 Business Cards

### MEIER SUPPLY CO., INC.

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**Andrew Nice**

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**Your business card could be  
seen by hundreds of potential  
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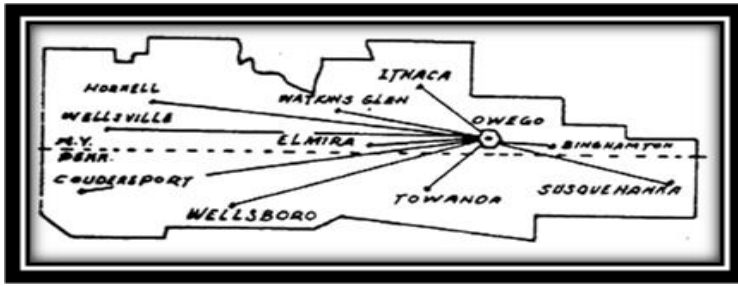
**Contact Andrew Nice for more Info!**

**607-760-5960**

**[anice@meiersupply.com](mailto:anice@meiersupply.com)**



**Only \$50 per Year!**



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## Twin Tiers ASHRAE H.O. Ward Scholarship



By  
Rick Sanguinito H.O. Ward Scholarship Chairman 2021-2022

### H. O. WARD SCHOLARSHIP

Date: November 15, 2021

Twin Tiers Chapter,

We are offering scholarship opportunities for student members, children of members, grandchildren of members, nephews and nieces of members.

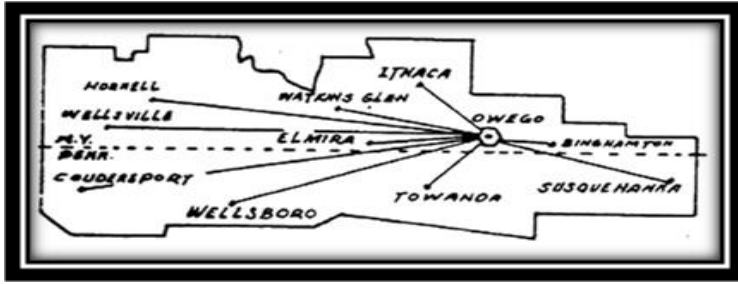
Please consider passing this application to your children or grandchildren. The program is guided for HVAC interest. This would include but not limited to:

- HVAC trade school students
- Engineering students in building programs
- Engineering students with an interest to become a Professional Engineer (Mechanical)
- Engineering students in manufacturing (HVAC equipment)
- Engineering / trade school student that can demonstrate how their study relates to HVAC aspect like building trades, equipment manufacturing, research and development, HVAC maintenance, etc..

We anticipate three awards; \$1,000, \$500, and \$500.

For more details and the application please visit our [WEBSITE](#).

**APPLICATIONS MUST BE SUBMITTED BY**  
**FEBRUARY 15, 2022**



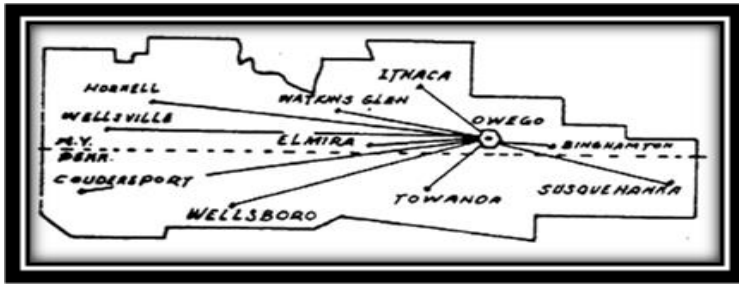
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## February Chapter Meeting Announcement

# February 15, 2022

### ASHRAE Twin Tier February Chapter Meeting

- DATE:** Tuesday, February 15th, 2022
- TIME:** 12:00 PM - 1:00 PM
- MEETING LOCATION:** Webinar - "Fundamentals of Condensing Boiler Vent Design"
- SPEAKER:** Alex Pedrosa, Application Engineer, Fulton Heating Solutions, Inc.
- DESCRIPTION:** This course will cover the "Do's and Don'ts" of Hydronic Condensing Boiler Vent Design. Topics include: venting guidelines, proper materials selection, combustion air, flue gas venting, and draft equipment
- Alex is a graduate of Clarkson University with a Degree in Aeronautical and Mechanical Engineering. He has worked for Fulton on their Hydronic Products for the past four years. He is responsible for quoting new equipment, assisting with system design and product information updates for the Service and Sales Community distributing Fulton Products. He is a unique asset in support a myriad of questions from the design phase to installation in the field of Hydronic Boiler Applications.
- AGENDA:** 12:00 – 12:05: Welcome & Chapter Announcements  
12:05 – 12:50: Presentation  
12:50 – 1:00: Questions
- MEETING LINK** [REGISTER HERE!](#)
- CONTACT:** Victoria Kramer  
(Please call, text, or email me at below with any questions or if you get lost)  
E: [Email Me!](#)  
C: (607) 742-0619



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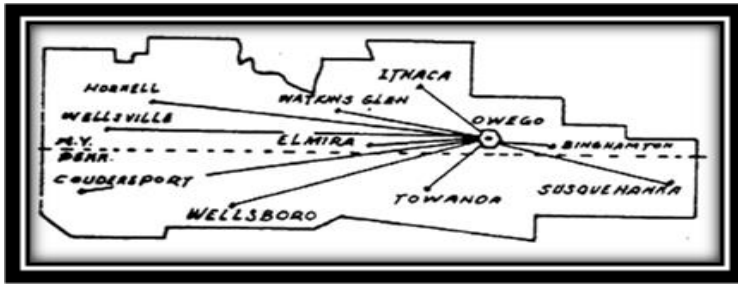
## What Were They Thinking???



**Don't forget to close the door for privacy?**

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

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



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## TRAINING



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

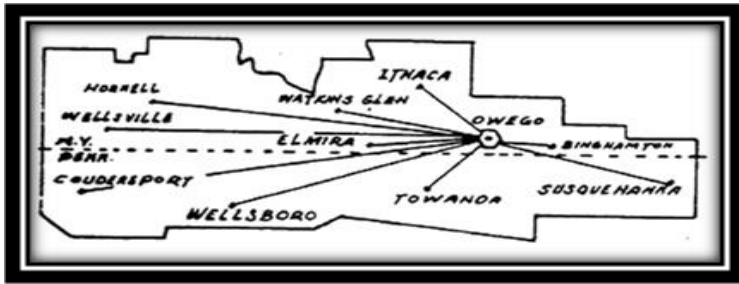
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help 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



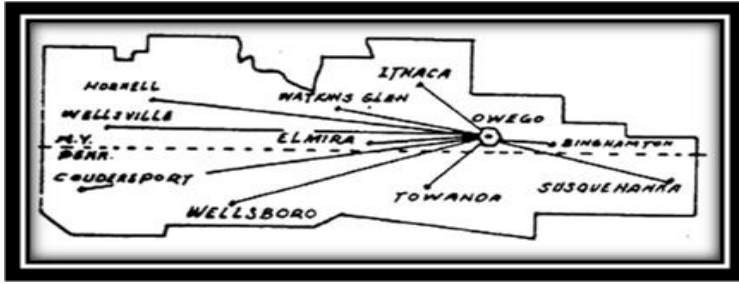
New York State Professional Engineers  
**Need a few extra PDH?**  
**FREE Online Courses are Available!**

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





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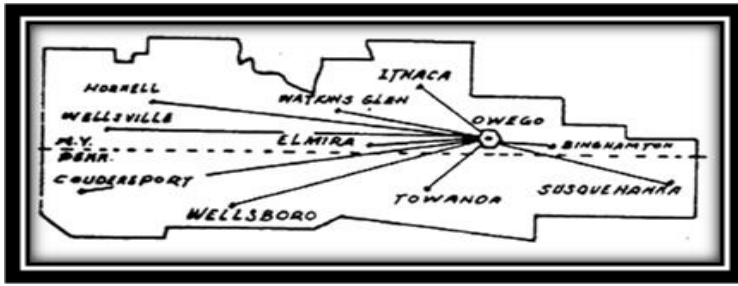


FEBRUARY 20-26, 2022

#Eweek2022

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## Twin Tiers Chapter– Employment Opportunities



Cornell University

### **Mechanical Engineering Section Manager**

#### **What Cornell needs:**

- Bachelor's degree in Mechanical Engineering is required.
- New York State Professional Engineering license required (or be licensed in another state and be able to obtain a NYS license within 12 months).
- 10+ years of related experience that includes technical design and management, including three years' experience in leadership role(s) such as design team leader, project manager or section leader.
- Must be skilled in facilities mechanical system design including HVAC, laboratory design, fire protection, and utilities distribution.
- Must have working knowledge of the NYUBFC, ASHRAE standards and NFPA codes.
- Familiarity with construction operations and demonstrated skill in construction estimating.
- Successful leadership experience is required, including
- A well-developed maturity in decision processes and leading diverse teams with conflicting needs or requirements is required.
- Demonstrated ability to maintain customer confidence and trust.
- Dedication to excellent customer service is a must.
- Ability to manage a highly variable workflow with a limited staff while not compromising quality or service.

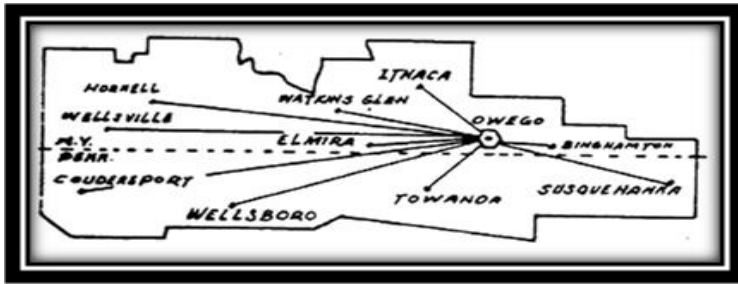
#### **Additionally, Cornell would like:**

- A Master's degree in Mechanical Engineering.
- Relevant certification and experience in sustainable practices as they result to facilities operations and infrastructure.
- Experience working in a research university or institution with equivalent technical buildings preferred.
- Demonstrated successful management and staff supervision experience is preferred.

Cornell University provides excellent benefits that include professional development, access to many wellness programs, employee discounts with local and national retail brands, health care options and generous paid leave provisions: 3 weeks of vacation, health and personal leave; 13 paid holidays (including end of year winter break), and great retirement options. Cornell has also been nationally recognized as an award-winning workplace for our health, well-being, sustainability, and diversity initiatives.

For more information please follow the link below:

[CLICK HERE!](#)



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

## Twin Tiers Chapter– Employment Opportunities

# CORNING

## Facility Mechanical / HVAC Engineer

### **Scope of Position:**

- Provide facility equipment engineering (i.e. HVAC, CDA, clean room, water delivery systems, etc.) & 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:**

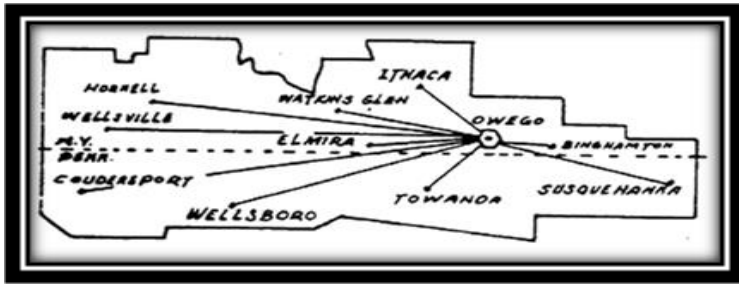
- Oversee all aspects of facility equipment design, build and installation. This includes the preparation of Statements of Work for RFQs, design reviews, vendor inspections, installation and commissioning.
- Deliver strong project leadership skills through the project initiation, planning, implementation 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.

### **Required Skills:**

- Strong technical understanding of HVAC systems, clean rooms, CDA and water delivery systems.
- Able to apply HVAC & Mechanical engineering principles to concepts, designs, fabrication, installation, start-up and trouble shooting.
- Good, basic project management skills.
- Critical thinking and problem solving skills. Understanding of the use of structured methods; such as, K-T (DA, PPA, RA), DESGN & DMAIC is desirable.
- Effective communication and presentation skills. This includes good interpersonal skills.
- Good ability to estimate and forecast cost and schedule.

For more information please follow the link below:

[CLICK HERE!](#)



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, 2021.
  - New subscription will run the calendar year 2022.
    - Cost to advertise for the 2022 year is \$50.
- Sign up now for the 2022 year On Pay Pal <http://twintiers.ashraechapters.org/page-newsletter.html>

Or Send Check and copy of business card to Twin Tier News Letter Editor:  
Meier Supply Co.  
Attn: Andrew Nice  
275 Broome Corporate Parkway  
Conklin, NY 13748

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

From Web site please visit: <http://twintiers.ashraechapters.org/page-newsletter.html>

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

### **Business Card Advertising 2022**

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 2022. This is a great opportunity to get your name and business in front of the over 250 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2022 year.

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

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

[Twin Tier Newsletter Editor Email](mailto:Andrew.Nice@meiersupply.com)

### Comments? Suggestions?

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

We welcome your feedback!



### *ASHRAE Mission Statement*

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

## Ethics Requirement for PE

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

### *ASHRAE Vision Statement*

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

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

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

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

**Twin Tiers Chapter Mailing Address:**  
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Ithaca, NY 14851-6706