

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 2019-2020



December Meeting Tuesday December 17, 2019

Past President & History Night

PRESENTATION:

"The Advanced Energy Design Guide for Zero Energy Buildings" Distinguished Lecturer Paul Torcellini, Ph.D.

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

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

Inside this issue:

President's Corner	2
PAOE	3
Chapter Events Calendar	4
Business Card Advertisement	5
History Report	7
H.O. Ward Scholarship	5
Dec. Meeting Details	10
Training Events	15

The American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE), has provided the information, text, graphics and links herein as a convenience for informational purposes only. Persons accessing this information assumes full responsibility for its use.

ASHRAE

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

Corner

Chapter President

Twin Tiers

L'hanter

President's

Dear Twin Tiers Chapter Members,

I hope that you all had a wonderful Thanksgiving - the end of the year is rapidly approaching, and the holiday season is upon us. This is the time of year when ASHRAE is also in full swing; we have had two Chapter meetings and the Fall Engineering Symposium, and have many more gatherings scheduled for the coming months.

Devin Shapley has been doing a great job lining up interesting and informative programs for this year. We would like to thank all that came out to the "off day" meeting in November (Wednesday instead of Tuesday) and again congratulate Eric LePore and Pathfinder Engineers & Architects on receiving a 2019 ASHRAE Technology Award for the Koffman Southern Tier Incubator Building. Eric and Al had a very interesting presentation and discussed the building's systems, their operation, and the unique challenges faced during design, construction, and beyond.

Our next meeting on December 17th combines both a Distinguished Lecturer presentation and our Past President's Recognition and History night. The topic of discussion is "The Advanced Energy Design Guide for Zero Energy Buildings" presented by Paul Torcellini, Ph.D., ASHRAE DL. Paul is a 25-year ASHRAE member and has received two ASHRAE Technology Awards for his energy-efficient buildings work, and has been a key contributor to the Advanced Energy Design Guide Series, published by ASHRAE as a collaborative effort of AIA, ASHRAE, IES, and USGBC. He spoke to our chapter last year, and was regarded highly by those who attended. As such, we anticipate a great turnout for this informative meeting, so please mark the date in your calendars.

Our current officers and board of governors would also like to use the opportunity to say a special thank you to ALL our past Twin Tiers Chapter Presidents for their service and contributions to the chapter. Many of them are still involved in some capacity to-date. I am sure I speak on behalf of all our members when I express our gratitude and appreciation for all of the volunteered effort and time in helping build our Chapter to be what it is today.

Lastly, we would like to invite anyone who wants to get involved in some capacity with the Twin Tiers Chapter to discuss with Board Members any of our open Committee Positions. These positions are a great way to get more involved in the Chapter and in ASHRAE, and don't take up a great deal of time.

We look forward to seeing everyone at this month's meeting. Season's Greetings, and Happy Holidays!

Kyle Nedlik Twin Tiers Chapter President

Newsletter Disclaimer Statement

Statements made in this publication are not expressions of the Society or of the chapter and may not be reproduced without special permission from the chapter.



Kyle Nedlik (607) 321-6100 <u>Email Me!</u>

2019-2020 Chapter Officers

President-Elect Devin Shapley (607) 723-9421 Email Me!



Vice President Adam Keller (315) 484-9526 Email Me!



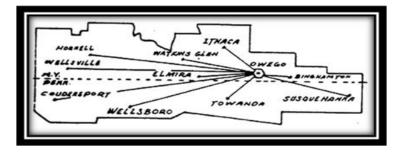
Treasurer Matthew Lloyd (607) 239-3956 Email Me!

Secretary Victoria Kramer (607) 321-6100 Email Me!



December 2019

ASHRAE Twin Tiers Chapter



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

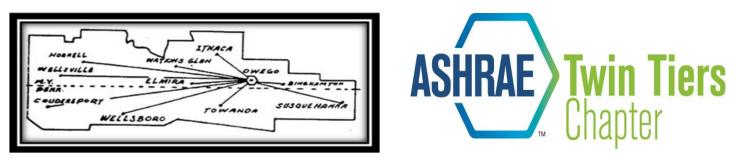
Twin Tiers Chapter

Presidential Award of Excellence (PAOE)									
	Chapter Operations	Chapter Technology Transfer	Electronic Communi- cations	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities	Young Engineers in ASHRAE
MIN/ PAR	600/1200	450/1050	250/500	500/650	100/300	500/800	800/1050	300/500	300/800
Current	570	700	530	50	930	570	450	220	750
POINTS CURRENT AS OF 12/13/2019									

Chapter Committee Chairs

Technology Transfer	Government Activities	Refrigeration	Golf & Clambake Outing
Devin Shapley	Adam Keller	Rob VanSkiver	Michael McGinnis
(607) 723-9421	(315) 484-9526	(585) 591-8168	(607)727-3168
Email Me!	Email Me!	Email Me!	Email Me!
<i>Membership Promotion</i>	Nominating	Meeting Reception	H.O. Ward Scholarship
Chris Wolak	Kyle Nedlik	Matthew Lloyd	Richard Sanguinito
(484) 350-1954	(607) 321-6100	607) 239-3956	(607) 231-6605
<u>Email Me!</u>	Email Me!	Email Me!	Email Me!
Research Promotion	Student Activities	Membership Directory	Albern Education Fund
Glenn Roberts	Jason Gilbert	Chris Wolak	Jason Gilbert
(315)234-1527	(607) 777-2240	(484) 350-1954	(607) 777-2240
Email Me!	Email Me!	Email Me!	Email Me!
Honors & Awards	Historian	Symposium– Fall/Spring	Auditing
Kyle Nedlik	Richard Sanguinito	Adam Keller	Rick Sanguinito & Andrew Nice
(607) 321-6100	(607) 231-6605	(315) 484-9526	(607) 231-6605 / 607-760-5960
Email Me!	Email Me!	Email Me!	Email Me!
Webmaster	Newsletter Editor	YEA: Young Engineers	Publicity
Petros Papathomopoulos	Andrew Nice	Dana Schmitt	Andrew Nice
(607) 723-9421	607-760-5960	(315) 920-0487	607-760-5960
<u>Email Me!</u>	Email Me!	Email Me!	Email Me!

December 2019



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

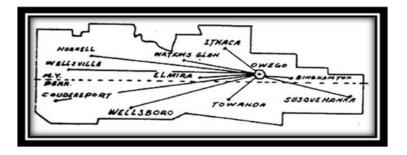
Twin Tiers Chapter- Monthly Meeting Information

2019-2020 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
17-Sep	Richard Reichenbach - Sporlan	Flame-Free Refrigerant Fittings	-
15-Oct	Multiple/TBD	Fall Engineering Symposium—Daytime	-
20-Nov	Eric LePore, P.E Cornell University	Koffman Southern Tier Incubator Tour Research Promotion Night	18
17-Dec	Paul Torcellini, Ph.D. Distinguished Lecturer	The Advanced Energy Design Guide for Zero Energy Buildings Past President & History Night	-
21-Jan	Binghamton Area Tour	Binghamton Arena & Hockey Game Membership Promotion	-
18-Feb	Binghamton University Tour	Binghamton University Tour Student Night & YEA	-
17-Mar	Southern Tier Fabrication Tour	Southern Tier Fabrication Tour Student Night & YEA	-
21-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	-
19-May	Brewery Tour	Presentation/Tour: TBD	-
16-Jun	None	Golf Tournament	-

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

December 2019





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

<u>Twin Tiers Chapter–</u> <u>Business Cards Advertisement for Newsletter</u>

ADVERTISE your business card:

• Current business card adds will expire at the end of this year, December 31, 2019.

- New subscription will run the calendar year 2020.
 - Cost to advertise for the 2020 year is \$50.
- Sign up now for the 2020 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**.

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 2020

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 2020. 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 2020 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 <u>Twin Tier Newsletter Editor Email</u>





Mike McGinnis, P.E.

300 MILE CROSSING BLVD., ROCHESTER, NY 14624

Direct (607) 727-3168 Office (585) 436-1940 Fax (585) 436-6606 Email mmcginnis@rlkistler.com www.rlkistler.com PRECISION AIR CONDITIONING
 PRECISION POWER CONDITIONING
 EMERGENCY GENERATORS
 HUMIDIFICATION / DEHUMIDIFICATION
 FUME HOOD CONTROL
 GREEN HVAC PRODUCTS

EMERSON





15 Technology Place Syracuse, NY 13057 Office (315) 234-1501 Cell (315) 313-3848 Fax (315) 433-9120 chris.devins@trane.com www.trane.com







Joseph Parisella, PE, CPD Sr. Mechanical Engineer

direct: 607.338.1284 email: jparisella@popligroup.com

main: 607.238.5888 fax: 607.338.1288

45 Lewis Street • Binghamton, NY 13901

YOUR BUSINESS CARD COULD BE HERE!

Your business card could be seen by hundreds of potential clients every month!





CLEANROOMSERVICES.COM

R. KRAFT, Inc. (585) 621-6946

Servicing Cleanroom Facilities Since 1977

December 2019



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

History Report - November



By Rick Sanguinito Historian 2019-2020

November Meeting Summary

Date: November 20, 2019

Koffman Southern Tier Incubator Building

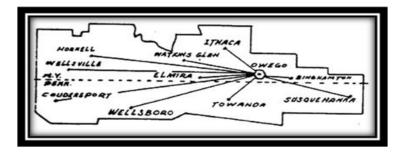
The November 2019 meeting was a at Koffman Southern Tier Incubator 120 Hawley St, Binghamton, NY 13901

Technical speaker was Eric LePore, P.E.

Attached are photos from the November ASHRAE meeting at the Koffman Southern Tier Incubator. Our group started with a tour of the fourth floor penthouse where Eric described many of the building systems in place, followed by a tour of the basement geothermal system pump room, then Eric LePore and Al Rodgers discussed the design process for the building and some of the challenges, lessons learned, and important advice that they wanted to impart based on their experiences designing the project. A Food and Fire buffet was served for dinner.

Members that attended included the following: Kyle Nedlik, Victoria Kramer, Michael Collins, Christopher Wolak, Andrew Nice, Matt Lloyd, Amanda Pelkey, Scott Burke, Glenn Roberts, Joe Ohara, Rick Breault, Eric LePore, Alyssa Partridge-Fox, Al Rodgers, Ibrahima Balde, Chris Hackett, Vince Knapp, Joe Crozier.

December 2019





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

ASHRAE

Twin Tiers

History Report - November

Photos 1: Eric LePore, PE, receives certificate from President Kyle Nedlik.

> Photos 2: Eric LePore, PE conducting the tour of the building.

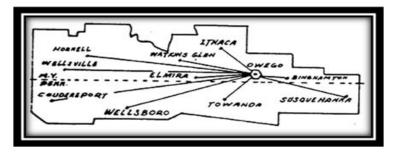




Photos 3: Eric LePore, PE presenting on the building mechanical design.

Page 8

December 2019





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

Twin Tiers ASHRAE H.O. Ward Scholarship



Ву

Rick Sanguinito H.O. Ward Scholarship Chairman 2018-2019

H. O. WARD SCHOLARSHIP

Date: December 05, 2019

Twin Tiers Chapter,

It has been some time since a scholarship could be offered. We would like to reestablish the 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.

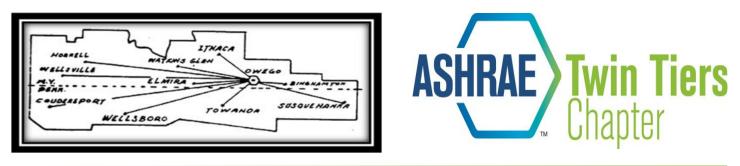
This would include but not limited to:

- 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..

If you did not receive the application via our email and would like one please email us <u>HERE</u>.

APPLICATIONS MUST BE SUBMITTED BY FEBRUARY 15, 2020

December 2019



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

December Chapter Meeting Announcement

December 17, 2019

ASHRAE Twin Tier December Chapter Meeting

DATE:	Tuesday, December 17th, 2019
TIME:	5:00 PM
MEETING LOCATION:	Ithaca Marriott on the Commons 120 S. Aurora Street Ithaca, NY 14850
SPEAKER:	Paul Torcellini, Ph.D., ASHRAE Distinguished Lecturer
DESCRIPTION:	Modelled after the successful 30% and 50% Advanced Energy Design Guides, the new series of guides focuses on the processes and strategies to achieve zero energy build- ings at typical construction budgets. The series, published by ASHRAE, was a collabora- tive effort of AIA, ASHRAE, IES, USGBC, and DOE. The first book in the series was published in January 2018 and focuses on K-12 schools and includes several case stud- ies of schools that meet the zero energy requirements. In process, is the 50% office guide. The lecture will focus on setting energy goals and the technologies that can help achieve these goals and will walk through the Guide. A sneak preview of what is coming in offices will also be presented.
AGENDA:	 5:00 - 5:30: Arrivals & Networking 5:30 - 6:00: History, Past Presidents, & Chapter Meeting 6:00 - 7:30: Dinner & Presentation 7:30 - ?: YEA After Hours Networking Event (Location TBA)
REGISTRATION:	You may pre-register by phone, e-mail, or online at: <u>http://twintiers.ashraechapters.org/page-programs.html</u> \$30.00 Early Registration (By 12/13/2019) \$35.00 (After 12/13/2019)
CONTACT:	Devin Shapley (Please call, text, or email me at below with any questions or if you get lost) E: <u>Email Me!</u> C: (607) 584-6916





an Morrell, President
Your Responsible Partner

1322 College Avenue Elmira, NY 14901 www.STCF.com Ph: (607) 732-0927 Fax: (607) 734-0433 Cell: (607) 481-0701 e-mail: morrelli@STCF.com



Evan Hallas Aeroseal Operations Manager

ehallas@taitem.com

Taitem Engineering, PC 110 South Albany Street Ithaca, New York 14850

607.277.1118 x103

www.taitem.com

Ryan Byrd System Sales - Engineering Account Manager Team Leader



Dominick DeLucia Project Engineer

ddelucia@taitem.com

Taitem Engineering, PC 110 South Albany Street Ithaca, New York 14850

v 607.277.1118 x120 c 315.729.5545

www.taitem.com

TRANE

) TRANE

Trane Commercial Systems 15 Technology Place East Syracuse, NY 13057 315.234.1500 Office 315.433.9120 Fax rjbyrd@trane.com www.trane.com



Ray Spears Controls Account Manager



15 Technology Place East Syracuse, New York 13057 315.234.1537 Office 315.317.4424 Cell

rmspears@trane.com www.trane.com



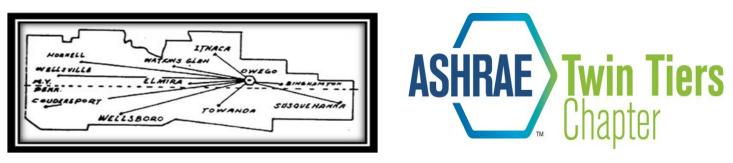


Shey Doane

Trane Commercial Systems 15 Technology Place East Syracuse, NY 13057 Office (315) 234-1509 Mobile (315) 382-2350 Fax (31-5) 433-9120 sdoane@trane.com www.trane.com



December 2019



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

Binghamton University ASHRAE Student Chapter

Dear Binghamton ASHRAE Sponsor,

The annual ASHRAE winter conference is the world's largest gathering of HVAC&R professionals to share academic and professional initiatives. Several events of interest include various student tours, multiple workshops and seminars, and an opening session featuring ASHRAE President Darryl K. Boyce and a keynote speech from Ed Hochuli. Attending this conference is a valuable opportunity for students to network with professional engineers in the field, as well as learn more about the HVAC&R industry through local plant tours, workshops, and seminars. This year, the conference is being held at the Orange County Convention Center in Orlando, Florida and the Binghamton Student Branch of ASHRAE is seeking funding to help curtail expenses so active students will be able to reap the benefits of attending. Three members of ASHRAE's executive board are hoping to attend this year's conference: Jalaal Shah-Taylor (President), Amanda Pelkey (Vice President), and Sean Bennett (Treasurer). Expenses for this trip would include roundtrip airfare from Syracuse to Florida, four nights at a hotel in the vicinity of the conference, registration fees, airport parking, t-shirts, and miscellaneous travel expenses. Such costs

Winter Conference, Expected Stay - 5 Days			
Expenditures	Per Person	Total	
Flight	\$151.00	\$604.00	
Hotel	\$94.00	\$752.00	
Shirts	\$84.56	\$338.22	
Tickets	\$30.00	\$120.00	
Meals	\$66.00	\$330.00	
Parking	\$25.00	\$100.00	
Transportation	\$25.00	\$100.00	
Tours	\$225.00	\$900.00	
TOTAL	\$811.06	\$3,244.22	

Because Binghamton ASHRAE is not yet chartered by Binghamton University's Student Association, it is difficult to obtain funding for this conference -- much of our funding requires the generosity of companies such as yours. Any amount of donation would be incredibly helpful, and the top five sponsors would earn advertising rights on our group's t-shirts. Each additional donation would allow for a proportional increase in advertising space. With these t-shirts, Binghamton ASHRAE would proudly display our sponsors as a thank you for your generosity, as well as showcase our pride and enthusiasm for being a chartered student branch.

December 2019

HORAELL MATKINS GLAN WELLSVILLA HY COUDERSPORT WELLSBORD WELLSBORD	ASHRAE Twin Tiers Chapter
---	------------------------------

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

Binghamton University ASHRAE Student Chapter

Donations can be made through http://twintiers.ashraechapters.org/page-student-thankyou.html . Here you will find PayPal buttons to make payments online. Checks would also be accepted, and can be mailed to the following address:

Jason A. Gilbert, P.E. Student Branch Advisor P.F. at Binghamton University 4400 Vestal Parkway East (PO Box 6000) Binghamton, NY 13902-6000

As an official student branch, Binghamton ASHRAE is able to provide various opportunities for aspiring HVAC&R engineers to network and expand their knowledge of this field, and attending conference would be a valuable experience for our

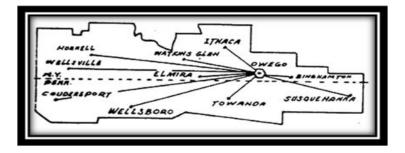
members. Thank you for your consideration.

Sincerely, Binghamton ASHRAE Executive Board Binghamton University buashrae@gmail.com



From left to right: Sean Bennett (Treasurer), Jalaal Shah-Taylor (President), Amanda Pelkey (Vice-President)

December 2019





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

What Were They Thinking???

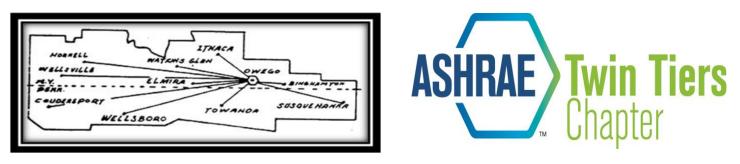


I wonder which welding helmet is more effective.

Do you have a funny, "unique", or just plain horrible installation picture? Please send them to the Editor at <u>anice@meiersupply.com</u>

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

December 2019



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

TRAINING



New York State Professional Engineers Self Study Ethics PDH Available!

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

This educational activity is based on the New York State Education Law Articles 130 and 145, the Rules of the Board of Regents Parts 1, 3, 17, 18, 28, 29, 31, and the Regulations of the Commissioner of Education Parts 59 and 68. It is strongly recommended that, prior to taking the self test, you review these <u>foundational materials</u> (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

December 2019



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

TRAINING



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

www.aecdaily.com

www.ronblank.com

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









o 607-231-6605

c 607-222-3509

f 607-231-6650

rsanguinito@delta-eas.com

TECHNOLOGY PLUS 121 DRAHOS DRIVE ALTAMONT, NY 12009 WWW.TECHPLUSLLC.COM

BRIAN SEXTON Email: brian@techplusllc.com OFFICE 607-882-9537 FAX 607-882-9539 CELL 518-320-2733

860 Hooper Road

Endwell, NY 13760

www.delta-eas.com

BOILERS . HYDRONICS . STEAM SPECIALTIES

Richard R. Sanguinito, PE, LEED AP Vice President/Director of MEP Services



6600 Deere Road Syracuse, NY 13206 Tel: 315-468-3849 Fax: 315-468-1561 Mobile: 315-727-2302 Email: joe.o'hara@camfil.com www.camfil.com CLEAN AIR SOLUTIONS

Joe O'Hara, NCT Branch Sales Manager



MEIER SUPPLY CO., INC.





Andrew Nice Commercial HVAC Sales Engineer Applied Products Division 607.760.5960 Cell Commercial Commercial Commercial

275 Broome Corporate Pkwy Conklin, NY 13748 www.MeierSupply.com ANice@MeierSupply.com



Daniel Brosnan

 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: 585-924-8632

 Cell: 315-952-5056 Email: dbrosnan@mcsmms.com



Horizon Engineering Associates LLP

Demand a Higher Standard sM

Scott Lance, EBCP, LEED AP O+M Engineering Manager

> t 315.350.3935 f 315.474.0751 c 607.206.9562 toll free 877.513.6249

620 Erie Blvd. West, Suite 107 Syracuse, NY 13204 slance@horizon-engineering.com

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 <u>anice@meiersupply.com</u>

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 promote a sustainable world"

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