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

ASHRAE 2018-2019

March Meeting
March 19, 2019

TOUR / PRESENTATION:
Cornell University Hydroelectric Plant

TOUR GUIDE / PRESENTER:
Frank Perry - Cornell University

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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Dear Twin Tiers Chapter Members,

Thank you to everyone who attended the February meeting at the new Binghamton University Pharmacy Building. It was great to see all of the students in attendance. Thank you to Jason Gilbert with BU and Mike Eckhardt with McFarland Johnson for presenting. A special thanks to Jason for another fantastic rendition of ‘ASHRAE Jeopardy’.

All couple of reminders for upcoming chapter meetings and events:

- Canstruction Event held March 17-24 at the Oakdale mall. 100% of monetary and food donations from the event will go towards the Food Bank of the Southern Tier and CHOW’s hunger-relief work in Broome County. We are still looking for volunteers to help design and construct the structure of the 17th.
- The Spring Symposium will be April 16th at the Holiday Inn Arena Hotel in downtown Binghamton. Devin Shapley is organizing the event and can answer any specific questions and booking the speakers.
- Year End Golf Outing and Clam Bake will be held on June 18th. Please let Travis Fisher or I know if you are interested in donating door prizes or being involved in organizing.

I mentioned this last month but, chapter member Eric LePore has received a first place ASHRAE Technology Award. The award recognizes outstanding achievements by ASHRAE members who have successfully applied innovative building designs. Their designs incorporate ASHRAE standards for effective energy management and indoor air quality and serve to communicate innovative systems design. Winning projects are selected from entries earning regional awards. The award is for the design of the Koffman Southern Tier Incubator in Binghamton, N.Y. Eric will be presented with a plaque at the March meeting.

Thanks,
Mike McGinnis
Twin Tiers Chapter President
# Twin Tiers Chapter

## Presidential Award of Excellence (PAOE)

<table>
<thead>
<tr>
<th>MIN/ PAR</th>
<th>Chapter Operations</th>
<th>Chapter Technology Transfer</th>
<th>Electronic Communications</th>
<th>Grassroots Government Activities</th>
<th>Historical</th>
<th>Membership Promotion</th>
<th>Research Promotion</th>
<th>Student Activities</th>
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<tbody>
<tr>
<td>Current</td>
<td>965</td>
<td>600</td>
<td>450</td>
<td>350</td>
<td>785</td>
<td>875</td>
<td>830</td>
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POINTS CURRENT AS OF 3/19/2019

## Chapter Committee Chairs

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<thead>
<tr>
<th>Technology Transfer</th>
<th>Government Activities</th>
<th>Refrigeration</th>
<th>Golf &amp; Clambake Outing</th>
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<th>Research Promotion</th>
<th>Student Activities</th>
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<tbody>
<tr>
<td>Kyle Nedlik (607) 321-6100 Email Me!</td>
<td>Adam Keller (315) 487-8791 Email Me!</td>
<td>Rob VanSkiver (585) 591-8168 Email Me!</td>
<td>Michael McGinnis (607)727-3168 Email Me!</td>
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<tr>
<th>Membership Promotion</th>
<th>Nominating</th>
<th>Meeting Reception</th>
<th>H.O. Ward Scholarship</th>
<th>Membership Directory</th>
<th>Albern Education Fund</th>
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<tbody>
<tr>
<td>Chris Wolak (484) 350-1954 Email Me!</td>
<td>Andrew Nice 607-780-5960 Email Me!</td>
<td>Matthew Lloyd 607) 239-3956 Email Me!</td>
<td>Richard Sanguinito (607) 231-6605 Email Me!</td>
<td>Chris Wolak (484) 350-1954 Email Me!</td>
<td>Jason Gilbert (607) 777-2240 Email Me!</td>
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<tr>
<th>Research Promotion</th>
<th>Student Activities</th>
<th>Symposium– Fall/Spring</th>
<th>Auditing</th>
<th>Publicity</th>
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<tbody>
<tr>
<td>Glenn Roberts (315)234-1527 Email Me!</td>
<td>Jason Gilbert (607) 777-2240 Email Me!</td>
<td>Kyle Nedlik (607) 321-6100 Email Me!</td>
<td>Rick Sanguinito &amp; Andrew Nice (607) 231-6605 / 607-760-5960 Email Me!</td>
<td>Andrew Nice 607-760-5960 Email Me!</td>
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<tr>
<th>Honors &amp; Awards</th>
<th>Historian</th>
<th>Symposium– Fall/Spring</th>
<th>Auditing</th>
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<tr>
<td>Michael McGinnis (607)727-3168 Email Me!</td>
<td>Richard Sanguinito (607) 231-6605 Email Me!</td>
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<th>Webmaster</th>
<th>Newsletter Editor</th>
<th>YEAs: Young Engineers</th>
<th>Publicity</th>
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<tr>
<td>Petros Papathomopoulos (607) 723-9421 Email Me!</td>
<td>Andrew Nice 607-760-5960 Email Me!</td>
<td>Victoria Kramer (607) 321-6127 Email Me!</td>
<td>Andrew Nice 607-760-5960 Email Me!</td>
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</table>
### Twin Tiers Chapter – Monthly Meeting Information

#### 2018-2019 Meeting Dates:

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Tech Session Topic, Tour or Meeting Info</th>
<th>Attendance</th>
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<tbody>
<tr>
<td>18-Sep</td>
<td>Brendan Harder, Beer Tree Brewing Co.</td>
<td>TOUR: Beer Tree Brewing Co. tour of their facilities.</td>
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<tr>
<td>16-Oct</td>
<td>Multiple/TBD</td>
<td>Fall Engineering Symposium—Daytime</td>
<td>-</td>
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<tr>
<td>13-Nov</td>
<td>Kevin Diehl, Yaskawa America</td>
<td>VFD Drive Basics &amp; Drive Harmonic Effects&lt;br&gt;Research Promotion Night &amp; YEA Night (YEA Event to Follow)</td>
<td>-</td>
</tr>
<tr>
<td>18-Dec</td>
<td>Paul Torcellini, PhD, PE, ASHRAE DL</td>
<td>Creating a World of Zero Energy Buildings&lt;br&gt;Past President’s Night &amp; History Night</td>
<td>-</td>
</tr>
<tr>
<td>15-Jan</td>
<td>Dennis Hoover, Alvogen</td>
<td>TOUR: Recent Production Suite Fit-Outs, Pharma Technologies&lt;br&gt;Membership Promotion Night</td>
<td>-</td>
</tr>
<tr>
<td>19-Feb</td>
<td>Jason Gilbert, Binghamton University&lt;br&gt;Mike Eckhardt - McFarland Johnson</td>
<td>TOUR: Binghamton University School of Pharmacy &amp; Pharmaceutical Sciences Tour&lt;br&gt;Student Night</td>
<td>-</td>
</tr>
<tr>
<td>19-Mar</td>
<td>Frank Perry, Cornell University</td>
<td>TOUR: Cornell University Hydroelectric Plant Tour&lt;br&gt;Student Night</td>
<td>-</td>
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<tr>
<td>16-Apr</td>
<td>Multiple/TBD</td>
<td>Spring Engineering Symposium—Daytime</td>
<td>-</td>
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<tr>
<td>21-May</td>
<td>Ommegang Brewery &amp; Principle Design</td>
<td>Ommegang Brewery Tour&lt;br&gt;Donor Recognition Night</td>
<td>-</td>
</tr>
<tr>
<td>18-Jun</td>
<td>None</td>
<td>Golf Tournament</td>
<td>-</td>
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**NOTE:** Speakers and topics are subject to change based on availability.
Thank you Sponsors!

2018 Business Cards

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Cell: (607) 481-0701
e-mail: morrell@STCF.com

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www.taitem.com

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Team Leader

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rjbyrd@trane.com
www.trane.com

Ray Spears
Controls Account Manager

Shey Doane
Sales Engineer

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sdoane@trane.com
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Dear ASHRAE Twin Tiers Member or Research Promotion (RP) Supporter,

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

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

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

or send a check to:
ASHRAE Research Promotion
att. Patricia Adelmann
1791 Tullie Circle NE
Atlanta, GA 30329
Make check payable to “RP Donation-ASHRAE Twin Tiers”

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

Matthew Hawley  Petros Papathomopoulos  Glenn Roberts
Kyle Nedlik  Adam Keller  BHV Sheet Metal Fabricators
Devin Shapley  Arthur Monaco  Mark Mattina
Raymond Millard  Michael Colwell  Norman Scott
Michael McGinnis

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

Glenn Roberts
Twin Tiers Research Promotion Chair

Email Me
The ASHRAE Technology Awards recognize outstanding achievements by ASHRAE members who have successfully applied innovative building designs. Their designs incorporate ASHRAE standards for effective energy management and indoor air quality and serve to communicate innovative systems design. Winning projects are selected from entries earning regional awards.

David J. Meyer, P.E., Jaimeeganleong Wilson, Ph.D., P.E., BEMP, BEAP, Eric J. LePore, P.E. and Alfred Rodgers, CPMP, new other institutional buildings category, Koffman Southern Tier Incubator, Binghamton, N.Y. The building is owned by Koffman Southern Tier Incubator.
March Chapter Meeting Announcement

March 19, 2019

ASHRAE Twin Tier March Chapter Meeting

DATE: Tuesday, March 19th, 2019
TIME: 5:00 PM
TOUR LOCATION: Cornell University Hydroelectric Power Plant
616 Thurston Ave.
Ithaca, NY 14853
MEETING LOCATION: Statler Hotel - Taylor & Rowe Rooms
130 Statler Drive
Ithaca, NY 14853
SPEAKER: Frank Perry - Cornell University
DESCRIPTION:
The first electrical generation facility in Fall Creek gorge was built in the early 1880's. That plant was powered by water from a dam just above the present dam, with a water wheel just above the present plant with a cable to a generator located near the Foundry. In 1904, the present plant was brought on line. Construction was preceded by replacing Triphammer Dam slightly west of its original location in 1896. Water is supplied to the plant from Beebe Lake by a five-foot diameter underground penstock, 1700 feet long. The existing intake dates to 1953 and was upgraded in 1981. The original plant capacity was 300 kW with 2 Pelton Wheel turbines and two 30kW DC exciters. This was increased in 1913 by adding a 360 kW Francis turbine. The facility was overhauled in 1935 after being completely flooded. In 1957, No. 2 generator was replaced with a 175 kW unit. The plant capacity then stood at 850 kW @ 2,400 volts. In this configuration, the plant last operated in 1970. It was vandalized in 1972. In 1981, the plant was completely renovated, and all the original machinery removed. Two Ossberger crossflow turbines were installed with a total rated capacity of 1,840 kW. The plant, however, is limited to about 1,400 kW output because of the size of the penstock. This hydroelectric plant is "run of river", which means that no water is stored. At all times, 10 cfs must continue to pass over the dam. The average production for this plant is 5.0kWh to 6.2kWh. This month’s meeting will consist of a walking tour of the Cornell University hydroelectric dam described above and it’s supporting facilities and will be followed by an overview of the major equipment, facilities, and technologies used to generate Cornell’s hydroelectric power. Additionally, the theory and calculations used to determine many of the key parameters and inputs that govern the amount of energy generated from the plant will be discussed.
March 19, 2019

ASHRAE Twin Tier March Chapter Meeting

AGENDA:
5:00-5:15: Arrivals & Networking
5:15-6:15: Hydroelectric Plant Tour
6:15-6:30: Travel to Meeting at Statler Hotel
6:30-7:00: Chapter Meeting & Dinner
7:00-8:00: Presentation

MENU:
Salads:
- Garden Greens, Julienne Fresh Beets, Golden Raisins, Sliced Almonds, Maple Vinaigrette
- Fusilli Pasta Salad, Broccoli, Grape Tomatoes, Olives, Lemon Zest, Balsamic Vinegar
- Roasted Beet Salad, Goat Cheese, Oranges, Toasted Walnuts, Arugula, Citrus Vinaigrette

Entrees/Side:
- Dr. Baker’s Cornell Chicken, Lemon-Thyme Jus
- Roasted Garlic Country Smashed Potatoes
- Oven Roasted Cauliflower, Brown Butter, Bread Crumbs, Fresh Herbs
- Green Beans, Frangelico and Almond Glaze
- Quinoa Cakes, Lemon and Dill Yogurt Sauce

Desert:
- New York Cheesecake, Tart Cherry Compote, Whipped Cream
- Flourless Chocolate Torte, Dark Chocolate Ganache, Berry Coulis

Refreshments:
- Coffee, Decaf, Assorted Teas, Water
- Cash Bar - Includes Beer, Wine, Sparkling Wine, Soda, Sparkling Water

REGISTRATION:
Register online at http://twintiers.ashraechapters.org/ (Under the “Programs” Tab)
$25.00 Early Registration (By 3/14/2019)
$30.00 (After 3/14/2019)

CONTACT:
Kyle Nedlik
(Please call, text, or email me at below with any questions or if you get lost)
E: Email Me!
C: (607) 321-6100
What Were They Thinking???

I don’t have any words for this one!

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

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

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

Take Your PE Ethics Self Test Here!

http://www.op.nysed.gov/prof/pels/peceselftest.htm
New York State Professional Engineers

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The above websites offer free online courses that are approved for credit!
The Benefits of an ASHRAE Certification

SHINE IN A RISING FIELD
Certification validates critical job knowledge, skills and abilities in a given practice area.

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ASHRAE certifications are recognized by over 35 national, state and municipal entities.

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Use the ASHRAE Certified logo and designation—e.g. Curtis Smith, BEAP, BEMP—in email signatures, professional networking and business cards to enhance your reputation.

ASHRAE WILL SING YOUR SUCCESS
Certificants and their employers are listed on the website and in ASHRAE eSociety.

5 Easy Steps to Earn and Maintain an ASHRAE Certification

1. Read the Candidate Guidebook
   Visit www.ashrae.org/certification and download the guidebook for the program in which you are interested.

2. Complete the Application
   Complete the online application at www.ashrae.org/certification. Membership in ASHRAE is not a requirement for certification.

3. Schedule an Examination
   BEAP, BEAP, BEMP, CHD, HBEP, HFDP and OPMP examinations are offered at over 300 conveniently located computer-based testing centers worldwide. Candidates may schedule an examination appointment online or by telephone.

4. Review Available Resources
   The Candidate Guidebook for a program identifies available resources including practice exams, that may help candidates gain an understanding of the body of knowledge that the examination tests. Purchase of books or course registrations is not a prerequisite to taking any ASHRAE certification examination.

5. Renew the Certification
   Each certification is renewable every three years. To retain certification, each certification holder must earn 45 PDPs (Professional Development Points) during the three year period following initial certification or the last renewal.

   **Note:** BEAP and BEAP require 50 PDPs.

Schedule an exam at one of over 300 testing centers worldwide TODAY!

To learn more or apply, please go to ashrae.org/certification
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TRAINING

NEW! Certified HVAC Designer (CHD)

Recognizing an industry need and demand for qualified HVAC designers, ASHRAE developed the Certified HVAC Designer (CHD) certification.

The CHD certification validates competency of an HVAC Designer, working under the responsible charge of an engineer, to design HVAC systems to meet building/project requirements, including load calculations, equipment selection and sizing, mechanical equipment room design, duct and piping design and layout for the development of HVAC plans for permit and construction.

In an “Industry Need” survey, ASHRAE Member respondents agreed:

- “The level of competence among HVAC Designers varies greatly” (65%)
- “HVAC Designer certification is a worthwhile professional development goal” (82%)
- “It is a tool to identify competent new hire prospects” (74%)

Application for the CHD launches March 1, 2019.

Building Energy Modeling Professional (BEMP)

The BEMP certification validates competency to evaluate, select, implement, calibrate and interpret the results of energy modeling software when applied to new and existing building and systems energy performance.

The BEMP certification complements ASHRAE’s Building Energy Quotient (BEQ) program by helping to ensure that only qualified practitioners can submit As Designed Workbooks to receive building ratings from ASHRAE. Only those certified as BEMPs, and Professional Engineers licensed in the jurisdiction where a BuildingEQ project is located, may submit the As Designed Workbooks to ASHRAE. Like BEAPs who may submit for Operation BuildingEQ Workbooks, BEMPs may display the BuildingEQ Certified Provider logo with descriptions of their services.

Building Commissioning Professional (BCxP)

The BCxP certification, recognized by the U.S. Department of Energy (DOE) as meeting the Better Buildings Workforce Guidelines (BBWG), validates competency to lead, plan, coordinate and manage a commissioning team to implement commissioning processes in new and existing buildings.

Many building owners look for ways to lower energy bills, reduce change orders during construction, avoid premature equipment replacement costs, and create safer and healthier buildings. Building commissioning measures and tunes up performance of existing buildings and ensures that new buildings begin their lifecycle at optimal productivity.

Building Energy Assessment Professional (BEAP)

The BEAP certification, recognized by the U.S. Department of Energy (DOE) as meeting the Better Buildings Workforce Guidelines (BBWG), validates competency to assess commercial building systems and site conditions, analyze and evaluate equipment and energy usage, and recommend strategies to optimize building resource utilization.

The BEAP certification is integral to ASHRAE’s Building Energy Quotient (BEQ) program by helping to ensure that only qualified practitioners can submit As Designed Workbooks to receive building ratings from ASHRAE. Only those certified as BEAPs, or Professional Engineers licensed in the jurisdiction where a BuildingEQ project is located, may submit the As Designed Workbooks. Additionally, only BEAPs (and BEMPs) may display the BuildingEQ Certified Provider logo with descriptions of their services.

Operations & Performance Management Professional (OPMP)

The OPMP certification validates competency to manage facility operations and maintenance to achieve building performance goals, including those related to indoor environmental quality, health and safety.

Today’s complex buildings can fade from green to gray when building operations don’t realize the full potential of the systems they manage. Staying current with the latest facility operation strategies and technologies can reduce energy use in buildings by 10% to 40%.

ASHRAE, the standard setter for sustainable building performance and system design and operation, validates through certification the critical knowledge, skills and abilities of professionals in seven key, built-environment fields.

Recognized by over 35 national, state and local government bodies— and with over 2,750 certifications earned— ASHRAE certifications increasingly have become the must-have credential for built-environment professionals.
Thank you Sponsors!

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ASHRAE Twin Tiers Chapter

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We are looking for **middle schools, high schools and 2 to 4 story office buildings** from around the country that were designed to comply with ASHRAE 90.1-2010 (or equivalent) or ASHRAE 90.1-2004 code (or equivalent).

**Why?** We are conducting a study to collect and analyze basic building data including actual monthly energy use of 168 secondary schools and medium offices in 14 climate subzones across the U.S. The study will be based on actual energy cost analysis, with supporting building energy modeling, energy audits, and surveys of construction, facility, and operations staff. The study will be used to determine common factors among best and worst buildings and to provide recommendations for future energy codes and standards developments.

**Do you know of any such building and want to help the project?** Please contact the Principal Investigator, Dr. Joe Zhou, at jzhou@seventhwave.org, or phone: 608.210.7155, or fill out a simple, two-minute online survey. We will then contact the building owner or designer for additional information.
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter – Employment Opportunities

LaBella Associates was established in 1978 and has been voted a Top Workplace for the last five years. We are headquartered in Rochester, NY with offices across New York, Ohio, Pennsylvania, Virginia, North and South Carolina, and Madrid, Spain. LaBella is a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust. We provide services that take a project from start to finish—from an initial study to determine a project’s feasibility to construction administration and start up, and everything in between.

Job Overview:
We are currently seeking a Mechanical Engineer/Designer 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, specifications and reports. Duties may also include assisting with energy clients.

Duties:
- Work with other Engineers as part of a Project Team to develop concepts, strategies, designs, specifications and reports.
- Work will be primarily on HVAC projects including many different building types, clean rooms, labs, and manufacturing spaces.
- Energy engineering. This may include building modeling and analysis to assist customers with recommendations and designs for energy savings.
- Renewable energy design
- Initial work may involve AutoCAD and Revit work for preparation of various types of drawings during the concept, schematic, design development and construction documents phases of projects.
- Coordinate design and drawings with multiple engineering disciplines.
- Assist in preparation of calculations needed to size equipment.
- Learn and master other software tools needed to complete design work.
- Make field visits with engineer to verify existing conditions.
- Communicate with equipment vendors to obtain necessary information on engineering products and systems.
- Assist the Project Manager/Engineer on a daily basis as needed to insure that project objectives and schedules are met.

Requirements:
- Background in AutoCAD and/or Revit is preferred.
- Bachelor's or Associates degree required.
- Experience in the A/E consulting business is a plus.
- Candidate must be able to work independently, as well as part of multi discipline teams producing mechanical engineering documents and must have well rounded experience in Mechanical Design.

Please apply online and/or send resumes directly to:
https://www.labellapc.com/careers
Rpascezu@labellapc.com
LaBella Associates, D.P.C is one of Rochester’s Top 100 Fastest Growing Companies. We are headquartered in Rochester’s High Falls District with offices across New York and Ohio, Pennsylvania, North Carolina, and an office in Madrid, Spain. We are a multi-disciplined engineering and architectural firm dedicated to client satisfaction through teamwork, respect, and trust.

We are currently seeking a CAD/Designer with a career interest in Building Projects to work in our Elmira Heights, NY office. The position included HVAC primarily, but skill set in piping CAD/Design also. 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. The position will involve working with AutoCAD, Micro station, and Revit.

Candidate must be able to work independently, as well as part of multi-discipline teams producing mechanical construction documents.

Please apply online and/or send resumes directly to:
https://www.labellapc.com/careers
Rpascuzzo@labellapc.com
Senior Mechanical Engineer – Buildings

Our Buildings practice keeps people at its heart, recognizing that our shared journey forward is shaped by the meaningful and responsive places we design. From iconic designs to monumental groundbreakings, join us to bring transformational building solutions to life. Every day we apply our expertise, creativity, and passion to propel communities into the future—join us!

Your Key Responsibilities
- Preparation of specific project proposals and resulting contracts, project implementation plans, resource planning, quality control and design review, project team review and coordination, client and financial management.
- May assist as Mechanical Engineering Lead overseeing the engineering & design of plumbing / fire protection / HVAC and other mechanical systems for new and renovated buildings.
- Mechanical engineering - Actual designs including the completion of code reviews, preparation of the basis of design, system calculations, mark-up of drawings, specification preparation, field investigations, construction estimating and site inspections and other such design as required to execute the mechanical construction for new or renovated buildings.
- May perform Project Manager duties as needed.

Some travel to site locations or other Stantec offices may be required.

Your Capabilities and Credentials
- Registered PE in the state of New York desired, registration in other states a plus
- Must have strong Mechanical Engineering skills in the area of Plumbing, Fire Protection, HVAC and related mechanical systems
- Prior management experience is a plus
- Prior consulting engineering experience is required
- Experience using AutoCAD, Revit, Trane Trace or eQuest is a plus
- Excellent verbal and written communication skills
- Excellent interpersonal skills with team members and clients

Education and Experience
Bachelor's degree in Mechanical Engineering
A minimum of 8 – 12 years' experience is required

This description is not a comprehensive listing of activities, duties or responsibilities that may be required of the employee and other duties, responsibilities and activities may be assigned or may be changed at any time with or without notice.

Stantec is a place where the best and brightest come to build on each others' talents, do exciting work, and make an impact on the world around us. Join us and redefine your personal best.

Please apply online or directly at:
(Endicott)
https://stantec.jobs/endicott-ny/senior-mechanical-engineer-buildings/D1F3DB82CD724315831E3B823AD94301/job/
ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2018.
  - New subscription will run the calendar year 2019.
  - Cost to advertise for the 2019 year is $50.
- Sign up now for the 2018 year On Pay Pal [http://twintiers.ashraechapters.org](http://twintiers.ashraechapters.org)
  
  Or Send Check and copy of business card to Twin Tier News Letter Editor:
  Meier Supply Co.
  Attn: Andrew Nice
  275 Broome Corporate Parkway
  Conklin, NY 13748

- Email a copy of your business card to [Twin Tier Newsletter Editor Email](mailto:TwinTierNewsletterEditorEmail).  
  From Web site please visit:  [http://twintiers.ashraechapters.org](http://twintiers.ashraechapters.org) 
  Go to the News Letter tab, and place your order to advertise your business card.

**Business Card Advertising 2019**

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 2019. 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 2018 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:TwinTierNewsletterEditorEmail)
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.

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.

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.

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