

THE VOICE OF HVACR IN NEW YORK, NEW JERSEY, CONNECTICUT AND LONG ISLAND

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SUMMER 2017 Volume 2



On September 7th MACC Presents
**Survive
& Thrive**
page 16

MACC's Fall Seminar
INTRODUCTION TO HEATING
INFORMATION ON PAGE 13

From the President...



Brian Aull
*Atlantic Contracting &
Specialties*

Summer is winding down and Labor Day is right around the corner. That means vacations are over and schools are back in session which in turn brings back my least favorite thing TRAFFIC!

Hopefully the hot weather continues through the end of September to keep most air conditioning contractors busy.

Next month, September 7th 2017, we will have our "Survive and Thrive" meeting back at Trattoria 35 in Bayside NY. We will have Robert Kroll, President of TA Mechanical Group, and Tom Scarangelo, General Manager of Scaran HVAC. They will share their war stories and tips on how to survive and thrive in the HVAC industry. Hope to see you there.

— Brian

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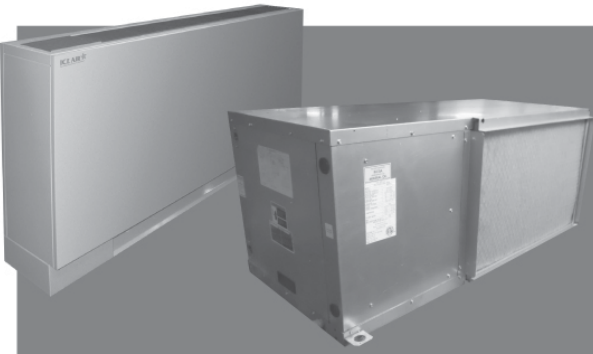
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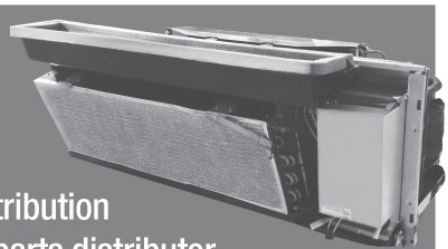
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Editor's Notes by **Anthony N. Carbone**

Many employees of HVAC companies are required to work six days a week during the summer season. Vacations are frowned upon by many HVAC employers, as the weather can be unpredictable.

The immediate need for labor at this most profitable time of the year for many companies ensures survival throughout the winter. But it causes much stress to employees with children as their vacation period, coincidentally, goes with the school schedule. If vacations for employees are not permitted during the summer, the family unit can suffer from choosing the importance of a job over the needs of the family.

I asked some companies what their position was regarding summer vacation during the cooling season. Interestingly enough, many contractors do not open on Saturdays. Therefore some offered long weekends by allowing a Friday or Monday attached to their weekend days off. Others said they wait for the season to nearly conclude to ask for requests from those who need summer weeks off and allow the last two weeks in August.

They state, if you did not put in air conditioning by this time of the year the last two weeks in August will not be the chosen time. Ninety percent of all new installs will take place prior to August 18th.

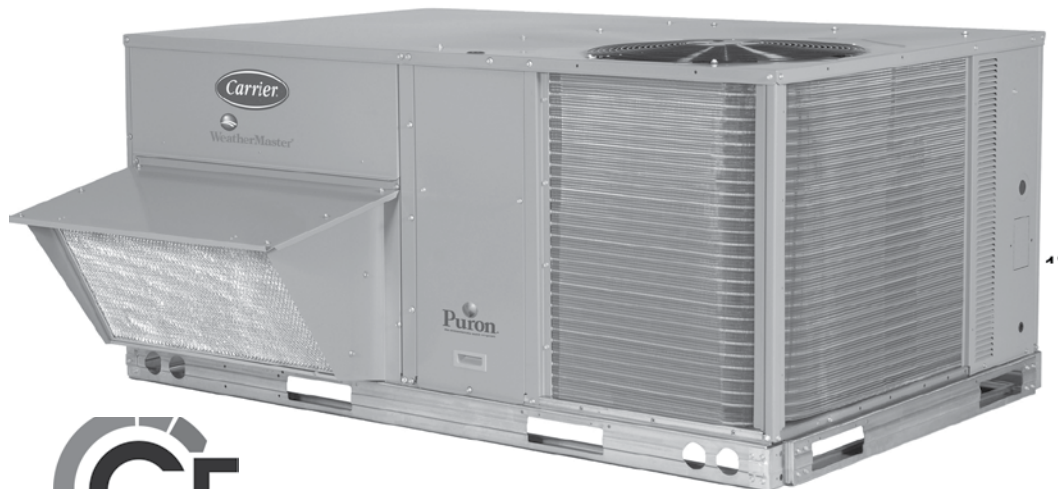
The wild card in this situation usually falls on the temperature. Therefore there may be a need for technicians and maybe a fall back crew to do retrofit breakdown system replacements.

Some employees have grown children and do not need summer weeks off all together; so the chances of everyone vying for those specific weeks becomes less competitive.

Remember the money reserved from the summer season floats HVAC companies throughout the winter months! Those who don't plan will often have to cut the winter work week down to three or four days, or even potentially layoff valuable talent for the winter months.

What is your solution for this potential problem? — **Anthony N. Carbone**

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Maytag Upgrades Split-System Heat Pump And Air Conditioner Jackets

*New Design
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Contractors*

Maytag® heating and air conditioning introduced an all-new jacket design for their split-system air conditioners and heat pumps. The former, one-piece jacket design has been reconfigured into a panelized design that allows for easy access to interior components.

The jacket redesign is a positive change for contractors and homeowners alike," says Tim Alford, product manager at Maytag HVAC. "Easily removable panels can reduce time on site and potentially save homeowners money."

The new system exterior features:

- Access panels for faster, easier servicing.
- Redesigned top crown pan and corner posts.

- Extruded screw holes that hold the panels in place and prevent screw stripping.

- Extra holes in the base pan for better drainage.

Air conditioners and heat pumps that feature the new jacket design are light and compact, making them easier to transport and install.

The new design is available in all M1200 and M120 split-system air conditioners and heat pumps - 1.5 to 5 ton. For more information about dependable, Maytag® HVAC systems visit www.maytagvac.com.



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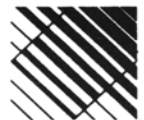
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Bosch Thermotechnology Corp. announced a new line of tankless gas condensing water heaters. The Bosch Greentherm 9000 Series offers nine models for high-efficiency domestic hot water in residential or commercial applications, adding new features for easy installation, operation and maintenance. The Consumer Technology Association recently recognized the Greentherm 9900i SE model as a CES 2017 Innovation Awards Honoree².



The Greentherm 9000 Series features an Energy Factor of 0.99 with Thermal Efficiency of 100%, which is the highest in the industry for condensing gas water heaters. This series achieves temperature stability of plus- or minus- two degrees Fahrenheit through the active bypass.



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Furthermore, its advanced technology seamlessly controls output capacity, optimizing comfort and efficiency by combining the burner’s pulsating mode with the bypass valve to achieve the desired outlet temperature, even at low flow rates. Its wide operating range – between 9,000 and 199,000 Btu, saves energy when hot water demand is low.

The Greentherm 9000 Series models feature sleek, rounded corners on the metal cabinet, making these water heaters as beautiful as they are energy-efficient. The premium 9900i SE model has a unique, stylish glass front and integrated Wi-Fi control – also an option on other models – enabling the homeowner to control water heater remotely via a free mobile app. The Wi-Fi module communicates with the app to provide operating performance information to the user, and sends any alerts directly to a compatible smartphone. Outdoor models feature a concealed, built-in controller with optional Wi-Fi connectivity.

“We designed the Bosch Greentherm 9000 Series with the installer in mind,” said Freddie Molina, tankless product manager of Bosch Thermotechnology Corp. “For indoor units, top-mounted water connections allow for easier, faster replacement of a tank-type water heater. The patented OptiFlow combustion management system automatically adjusts for a variety of installation conditions, including flue length and altitude, eliminating the need for a combustion analyzer in most installations to simplify the installation process.”

Each model offers simple conversion to LPG using the included manifold injector kit, which eliminates stocking both LP and NG units, thus saving the wholesaler’s inventory cost.

Installation permits up to 60 feet of venting with two-inch pipe, or 280 feet of venting with three-inch pipe, using a wide range of venting material options. It may be used with half- inch or three-quarter-inch gas line with appropriate connection³, and a built-in recirculation pump¹ allows for simpler installations. The Greentherm 9000 Series requires no dedicated return line, decreasing


wait time for hot water at the tap, thus reducing water waste and saving an estimated 11,000 gallons a year per household.

The commercial Greentherm 9000 models offer heavy-duty primary and secondary heat exchangers for longer lifespan, and deliver water supply temperature to 180°F. Systems also can be cascaded up to 24 units to achieve flow rates of more than 200 gallons per minute —ideal for commercial buildings, schools and hotels.

Residential units offer a standard 15-year limited warranty on the heat exchanger and a five-year limited warranty on parts – see full warranty details, or learn more about the Bosch Greentherm 9000 Series on www.boschheatingandcooling.com. •



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Updated Form I-9 Released

On July 17, 2017, the United States Citizenship and Immigration Services (USCIS) once again released a revised Form I-9. As all employers presumably know, the Form I-9 is used to verify the identify and employment authorization of persons hired to work in the United States. Companies must begin using the new version of Form I-9 no later than September 18, 2017.


Changes to the recently issued form include additional instructions as well as a slight modification to the list of documents deemed acceptable for verifying identity. Two changes of note are:

- The Consular Report of Birth Abroad (Form FS-240) was added as a List C document and all the certifications of report of birth issued by the Department of State (Form FS-545, Form DS-1350, and Form FS-240) have been combined.

- The List C documents have been renumbered, except for the Social Security card, which remains first on the list. Prior to issuance of the revised Form I-9 in November 2016, significant increased fines were announced for violations discovered during an ICE audit. Workplace audits from ICE are expected to increase significantly in the coming months. It is prudent for companies to be proactive and conduct a self-audit of all their I-9 forms. However, it is recommended that employers conduct self-audits only if they are well versed in the latest ICE regulations and how to make corrections that will be acceptable to ICE. Otherwise, it is prudent to seek professional help. When conducting mock ICE audits, PMP has consistently discovered errors that could have cost the company thousands of dollars had they been audited.

Below is a list of tips that can help employers limit their exposure to penalties for I-9 violations:

1. Complete the form in accordance with government guidelines:
 - a. An employee must complete Section 1 by the first day of employment; and
 - b. The employer must complete Section 2, including reviewing and certifying that it has reviewed original



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documents, no later than the end of the third business day after the employee's first day of employment.

2. Do not require or even suggest that an employee provide a specific document from the list of acceptable documents to verify identity (i.e. driver's license, social security card, etc.). Employees must be permitted to use the document of their choice, as long as it is on the list of acceptable documents.

3. Ensure that documents presented by the employee to verify identity are unexpired at the time of presentation.

4. Do not allow any employee to continue working once his or her work authorization has expired, unless the em-

ployee is from a Temporary Protected Status (TPS) authorized country. For TPS work authorization, employers can verify that the employee's work authorization has been extended by checking the USCIS website, printing out the extension and attaching it to the employee's I-9 Form.

5. Keep a completed Form I-9 on file for every active employee. Also, keep I-9s for terminated employees for a period of (a) three years from date of hire or (b) one year from date of termination -- whichever is greater.

If you have questions about the new Form I-9, or general questions about Form I-9 procedures and requirements, please contact me. •



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B&F Electric Motors 

Lennox Introduces iComfort E30 Smart Thermostat

The E30 doesn't control temperatures like a conventional thermostat; it automatically adapts to individual lifestyles.

Lennox introduced the iComfort E30 smart thermostat, which sources say brings versatility and flexibility to home comfort. The iComfort E30 helps homeowners create their ideal living environment, all while saving energy. At the same time, the iComfort E30 gives homeowners peace of mind, and alerts them to a problem before it happens.

The E30 doesn't control temperatures like a conventional thermostat, it automatically adapts to individual lifestyles — creating a versatile living environment through industry-leading features:

- **Compatibility:** The Lennox iComfort E30 works with Amazon Alexa smart home devices, which means that homeowners can take advantage of voice controls to operate their thermostat. The thermostat also is compatible with any brand of HVAC system, as well as with the Lennox iHarmony Zoning System, which gives homeowners the ability to achieve optimum levels of comfort in up to four zones within a home, saving energy and money by not having to heat or cool unused areas of the home.

- **Comfort:** The “Perfect Temp” feature, similar to the climate control setting in cars, lets homeowners

set the ideal temperature, with the home automatically adjusting heating and cooling to maintain the specified setting. Combined with the Feels Like Temperature feature, which takes into account indoor and outdoor temperature and humidity to make a home feel exactly like the homeowner wants it to, homeowners can precisely choose their preferred home comfort setting.

- **Energy Savings:** Using the GPS on a smartphone, the iComfort E30's Smart Away Mode can detect when the family is away and automatically set the thermostat to an energy-saving mode and return the home to the desired temperature when a family member starts returning home — adjusting to a household's unique schedules. Combined with Schedule IQ Technology, the iComfort E30 optimizes smart energy use based on the homeowner's routine.

- **Peace of Mind:** The thermostat's advanced warning system predicts problems before they occur and alerts the homeowner's service company.

- **Healthy Air:** The first-of-its-kind Allergen Defender is a key feature of the iComfort E30, and can result in better indoor air quality by monitoring air quality and pollen levels outside, based on ZIP code. When high levels of pollutants and allergens are detected, the fan automatically turns on to keep the home's air cleaner.

The iComfort E30 includes a 7-inch HD color touchscreen with screen savers that mimic current weather conditions. *



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Mark Your Calendar For MACC's Fall Seminar

INTRODUCTION TO HEATING

Most homes have some type of heating. Installing and servicing furnaces is a big responsibility. Because flame and combustible fuels are involved, there is a potential for fire or explosion types of equipment for heating shall be installed by manufactures instructions, and periodically inspected and serviced by qualified technicians, they will operate satisfactorily for many years.

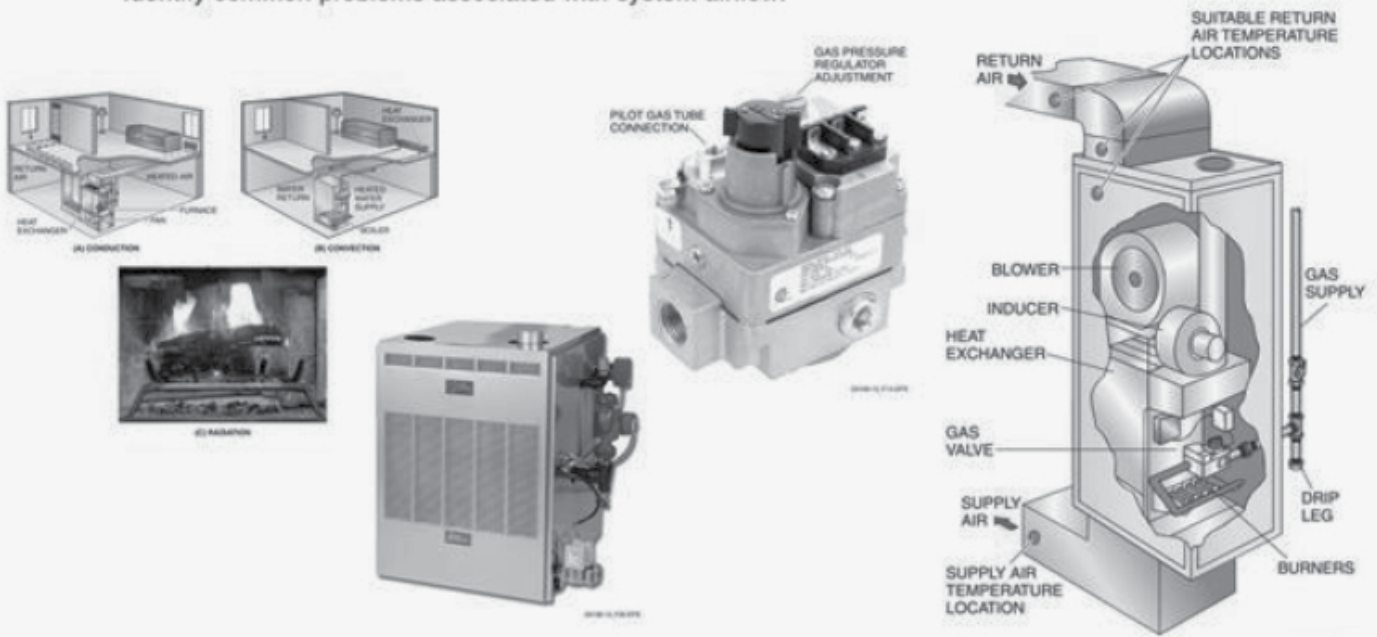


SATURDAY
8:00 AM - 4:00 PM

WHAT YOU WILL LEARN

- **Explain the fundamental concepts of heating and combustion.**
 - Describe the heat transfer process.
 - Identify gas fuels and their combustion characteristics.
- **Describe the role of forced-air gas furnaces in residential heating.**
 - Describe the types of gas furnaces and how they operate.
 - Identify and describe the equipment and controls used in gas furnaces.
 - Describe the basic installation and maintenance requirements for gas furnaces.
- **Describe hydronic and electric heating systems**
 - Describe the operation of hydronic heating systems.
 - Describe the operation of electric heating equipment.
- **Describe how to troubleshoot the components related to gas heating**
 - Describe the control circuits and typical sequence of operation of various gas heating units.
 - Describe the operation & troubleshooting process for thermocouples.
 - Describe the operation & troubleshooting process of ignition devices.
 - Describe the operation & troubleshooting process for flame sensors.
 - Identify common problems associated with system airflow.

Register Online
www.maccny.org



Statement From Stuart S. Zisholtz, Esq.

Once again it was requested by a client that I remind everyone about the time frames associated with filing a mechanic's lien and pursuing a payment bond claim. This article may be repetitive but it is essential to your livelihood and your business.

I cannot emphasize enough the importance of filing a mechanic's lien. Many times it is the difference between getting paid and not getting paid. By filing your lien you are protecting your interests. By not filing your lien, you may be jeopardizing your right to collect anything. Do not, however, wait for the last day to file your lien. Once the general contractor has been paid by the owner, your lien is essentially worthless.

Furthermore, many payment bonds contain strict requirements that notices be served on various parties within a specific time frame. Once that time frame expires, your right to recover may be jeopardized.

Never let your lien time run out!

For a free copy of a pamphlet pertaining to mechanic's liens and payment bond claims, please contact me or the Association.

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Private Improvement:

One family (also two family suggested)	4 months from date of last item of labor or material
Commercial and more than one family	8 months from last item of labor and materials
Duration of Lien	1 year
Renewal:	
One family dwelling	Court Order
More than one family and commercial, first year renewal	Notice of Renewal
After first year	Court Order

Public Improvements:

Lien	30 days after completion and acceptance of job
Duration	1 year
Renewal	Court Order

Payment Bond Notice:

Notice Directed to any two of Owner, Bonding Company or Contractor	Usually 90 Days
Time for Commencement of Action	Usually 1 year from completion of your work
Direct Contract with Principal	Usually no notice required
Time for Commencement of Action	Usually 1 sometimes 2 years

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Honeywell Adds Google Home To Its Growing List Of Smart Home Integrations

Honeywell, a leader in Connected Home solutions, continues to grow its ecosystem of products and services by adding a new integration with Google Home. Now, consumers who own a Google Home can use a few simple words, like “OK, Google ...” to adjust their home’s temperature and comfort with a Lyric™ thermostat (Lyric Round, Lyric T5, Lyric T6 Pro) or Total Connect Comfort (Wi-Fi and RedLINK™) thermostat. Google Home is the latest in Honeywell’s Works With Honeywell program, which includes one of the most robust integrations with other smart home products and services available, such as Amazon Alexa, Apple HomeKit, Samsung SmartThings, IFTTT and more.

In addition to Google Home voice control, consumers can control their Honeywell thermostats with Google Assistant on Google/Android devices, using a number of different commands. If a home has multiple heating or cooling zones, it is possible to control them independently by informing Google Home which thermostat corresponds to a specific zone. Consumers can also continue to adjust the temperature, set up schedules or make other changes

with Honeywell’s Lyric or Total Connect Comfort (TCC) app, and directly on the thermostat interface.

Honeywell knows a smart, connected home must not only be safe and secure, but also comfortable. This is why Honeywell continues to collaborate with more than 200 companies in the smart home space via the Works With Honeywell program of integrations and partnerships. Works With Honeywell helps by providing customers with more flexibility to add into and personalize their homes with a wide collection of the best connected products and services, from comfort and control to savings and safety.

“Honeywell technology is already found in more than 150 million homes worldwide,” said Scott Harkins, vice president, IoT partner programs, Honeywell Connected Home. “Now with our Google Home integration, we’re thrilled to have the first thermostats integrated with every major smart hub. It is another way we are helping consumers more easily bring smart technology into their homes and lives, regardless of how they want to get started, their home’s unique needs or which smart hub they have.”

To learn more, please visit <https://yourhome.honeywell.com>, and the Works With Honeywell page at <https://yourhome.honeywell.com/partners>. You can also follow Honeywell on Twitter (https://twitter.com/Honeywell_Home), and connect with us on Facebook (<https://facebook.com/HoneywellHome>). •

OSHA Launches Application To Electronically Submit Injury And Illness Data

The Occupational Safety and Health Administration launched on Aug. 1, 2017, the Injury Tracking Application (ITA). The Web-based form allows employers to electronically submit required injury and illness data from their completed 2016 OSHA Form 300A. The application is accessible from the ITA webpage.

OSHA recently published a notice of proposed rulemaking to extend the deadline for submitting 2016 Form 300A to Dec. 1, 2017, to allow affected entities sufficient time to familiarize themselves with the electronic reporting system, and to provide the new administration an opportunity to review the new electronic reporting requirements prior to their implementation.

The data submission process involves four steps:

- (1) Creating an establishment;
- (2) adding 300A summary data;
- (3) submitting data to OSHA; and
- (4) reviewing the confirmation email.

The secure website offers three options for data submission. One option enables users to manually enter data into a web form. Another option gives users the ability to upload a CSV file to process single or multiple establishments at the same time. A third option allows users of automated recordkeeping systems to transmit data electronically via an application programming interface.

The ITA webpage also includes information on reporting requirements, a list of frequently asked questions and a link to request assistance with completing the form. For more information, visit www.osha.gov. •

MACC Presents the Second in the Series

HOW TO:
survive & thrive
IN THE HVAC INDUSTRY

THURSDAY, SEPTEMBER 7, 2017

Join us as industry experts
Robert Kroll and Tom Scarangelo
 share their war stories and tips to
survive & thrive in the HVAC industry!

Trattoria 35
213-15 35th Ave., Bayside, NY 11361
www.trattoria35.com/
5:30 - 8:30PM

ROBERT KROLL,
 President of TA Mechanical Group



Robert Kroll is a graduate of Hofstra University where he transferred after attending NYIT. He rounds out his education in Computer Science and Engineering with master licenses in Electrical, Plumbing, HVAC and Gas Fitting and is licensed to perform such work in several states. His certifications and affiliations with the USGBC, NATE, Carrier, Trane, American Standard, York, Mitsubishi, Daikin, Fujitsu, LG and many more give him the ability to design or consult on almost any project of any size. In 2017, Bob and his partner at Temp-Art formed TA Mechanical Group, TA Commercial Services and On Time Ductwork sheet metal company. Bob treats business like a sport and truly enjoys the day to day excitement of business ownership.

TOM SCARANGELLO,
 General Manager of Scaran HVAC



Tom Scarangelo joined the family business Scaran Heating and Air Conditioning after graduating from Rutgers University and receiving an MBA in Finance from NYU.

Tom manages the finances of the company while his brother Frank Scarangelo Jr. manages the technical side of the business. Scaran was started as an ice and coal delivery company by Tom's grandfather, Vito Scarangelo in 1930. Tom's father, Frank Scarangelo Sr. took the reigns after serving in WWII and diversified the company into the fuel delivery, heating service and eventually air conditioning service. Tom and Frank have continued to diversify Scaran, which today specializes in heating, air conditioning, plumbing, and energy services including the sale of fuel oil and natural gas.

Let us know you are coming at www.maccny.org