



PIPELINE

FUEL FOR YOUR BUSINESS

JUL/AUG 2019

THE NEWSLETTER OF UTAH'S HVACR INDUSTRY

153 SOUTH 900 EAST, #3 • SLC, UT 84102 • WWW.UTRMGA.ORG

RMGA Sponsored Apprenticeship Program— Get Started in Two Easy Steps!

RMGA has set up an HVACR Apprenticeship program with the U.S. Department of Labor (DOL), and RMGA will handle all the paperwork from Apprentice registration through completion and certification, so you can focus on training your new hires.

Step 1: "Grandfathered" Journey-level Techs

Before you hire an apprentice, your current journey-workers, need to be "grandfathered" into the apprenticeship program, because they will be responsible for providing the day-to-day training of your new apprentices.

To grandfather journey-workers, the Department of Labor requires a **Registration and Apprenticeship Agreement** and RMGA as the sponsor, needs the **Journey-worker Accreditation Grandfather Form**, where your journey-level technician attests to having completed at least 6,000 hours of on-the-job training, and passed the RMGA Certification Exam,

and lists any HVACR-relevant training courses and industry certifications they have received during their careers.

Step 2: Employer Confirmation

Employers sign each senior tech's **Journey-worker Accreditation Grandfather Form**, attesting that

"to your knowledge" the journey-worker is competent and qualified to be issued a Dept. of Labor Journey-level HVACR Certification.

Employers also sign the **RMGA Employer Acceptance Agreement and DOL Application** that simply states you agree to assign new apprentices to be supervised by a journey-level certified

technician, who will ensure that the apprentice is trained in all phases of HVACR work.

Start the Grandfathering process on our website

www.utmga.org and download the three files found under the Apprenticeship tab:

- Department of Labor Registration and Apprenticeship Agreement
- Journey-worker Accreditation Grandfather Form
- Employer Acceptance Agreement

There is a \$10 fee per Journey-worker to be grandfathered, which covers a review and submission by RMGA to the Department of Labor, which after a six-month probation period, will then certify your HVACR technicians and send them a U.S. Dept of Labor Journey-level certification.

Submit apprentice agreements via fax to: 801-521-8360, or scan and email to: rocio@utmga.com. ■



LEARN MANUAL J, D & S – THIS SEPTEMBER ONLY!

LEARN PRINCIPLES of heat transfer, R-values & U-values to perform load calculations; then apply to duct sizing and system designs, including airflow for constant volume systems and zone applications. You will also learn procedures to select and size residential systems in multi-stage and modulating furnaces and air conditioners.

Thursday, September 12 - Load Calculations / Manual J

Thursday, September 19 - Duct Design / Manual D

Thursday, September 26 - Equipment Selection / Manual S

Classes will be held from 8:00-3:30 PM at **Hercules Industries, 475 Billy Mitchell Road, Salt Lake City, 84116. Cost: \$125*** per class; includes manuals and lunch, or \$325 for all three classes! \$75 per class if you already own the manuals! *\$15 fee for 6 hours recorded with DOPL. **Call RMGA to register: 801-521-8340**

Partial funding of this training program has been provided by the Division of Occupational & Professional Licensing from the 1% surcharge funds on all building permits.



Ryan Rentmeister
ryan@rentmeister.com
801-807-9901

MESSAGE FROM OUTGOING PRESIDENT

RYAN RENTMEISTER

Dear RMGA Members & Friends,

It has been a very short time I have been President of RMGA. At least to me it seems that way. To you it probably seems much longer. I love this industry. I love to see good, hardworking, honest people thrive in this industry. Many of you I can call my friends. Thank you for putting up with me. It has been a pleasure to serve you. The RMGA has a very important role. I have tried to move the cause forward in my short time. I am thankful to Jamie to continue to move the RMGA forward. If I can help any of you, please don't hesitate to call.

WELCOME NEW RMGA MEMBERS!



Scott Carpenter LEGENDS MECHANICAL

14712 Heritage Crest
Bluffdale, UT 84065
legendscott@gmail.com
801-599-8563

John Metcalf METCALF HVAC

(returning member)
5700 North 1400 West
St. George, UT 84770
metcalfhvac@gmail.com
435-680-5321

Tim Jewett ALLSTAR HEATING & COOLING LLC

(returning member)
755 North 2750 West
West Point, UT 84015
allstarheating@gmail.com
801-698-6963

Adam Merritt ABT HEATING & COOLING

1185 South 1680 West
Orem, UT 84058
adam@abtmechanical.com
801-566-2111

Brandon Snowden QUALITY AIR SERVICE, INC

1476 South 325 West
Hurricane, UT 84737
qualityairserviceutah@gmail.com
435-688-2653

Jamie Schumacher
jamie@gunthers.com
801-756-9683 ext 230



MESSAGE FROM INCOMING PRESIDENT

JAMIE SCHUMACHER

Dear RMGA Members & Friends,

I am honored and humbled to be able to have the opportunity to serve the members of the HVACR industry throughout Utah and now branching into Wyoming. About the only constant in this industry is change; with laws, codes and technology, the knowledge we need to do our jobs needs to change and evolve; staying involved with this organization is one of the best ways I know to keep up with these changes. The RMGA Pipeline newsletter provides some of the information we need but it can't cover everything, with that said I invite each of you to get more involved, to attend board meetings, to help with committees and attend our annual education summit. Ours is an honorable industry, which we should take great pride in; it's not an easy job, but my experience for more than 27 years is that it is extremely rewarding.

I wish you all another great, successful and safe summer.

Gunthers Heating Cooling & Plumbing



JAMIE & FAMILY

Jim Arrant ARRANT HEATING & AIR

PO Box 307
Hooper, UT 84315
arrantheatcool1@yahoo.com
801-643-2421

Michael Anderson MIKE'S MECHANICAL

218 North 400 East
Lindon, UT 84042
a79michael@gmail.com
801-830-0475

John Douglas Norton CLIMATE AIR

9224 Jana Lee Drive
West Jordan, UT 84088
dougorton@gmail.com
801-566-5666

Cassandra Lopshire GNL, INC.

(returning member)
223 West Bulldog Blvd #518
Provo, UT 84604
office@gnlhvac.com
801-794-9331

RMGA GAS CERTIFICATION CLASSES

**CALL
801-521-8340
TO REGISTER**



Richfield

Thursday, July 11,
Friday, July 12 &
Saturday, July 13
8 am - 5 pm

Classes held at:
Snow College
800 West 200 South
Richfield, UT 84701

For Custom Fit \$\$, call Craig Blake at
435-979-6580

Salt Lake City

Thursday, September 12,
Friday, September 13 &
Saturday, September 14
8 am - 5 pm

Classes held at:
Johnstone Supply
2940 South 300 West
SLC, UT 84115

Salt Lake City

Thursday, November 14
Friday, November 15 &
Saturday, November 16
8 am - 5 pm

Classes held at:
Dominion Energy
CTC Training Room
1000 West 100 South, SLC, UT

Gas Certification Classes price: \$400

Price includes the RMGA Study Guide, IFGC Book, online videos, instruction and lunch all 3 days and two attempts at exam* (if necessary). *New Pre-test evaluates technician readiness.

Important RMGA Certification Class Info

Effective with the July 2019 RMGA Certification Class, the 3-day class will be taught consecutive days: Thursday, Friday, and Saturday, and all test vouchers will be pre-paid.

- HVAC technicians will have a 4 hour time limit to complete the RMGA Certification Exam.
- A basic understanding of geometry is very beneficial to succeeding on the exam, as is, our pre-test which is available on our website.
- Free exam retakes are limited to six months from the last date of your class. For example, if the last day of your class is June 16th, you have until December 16th, 2019 to use your retake voucher.
- A technician can Audit the class (bring their RMGA training materials) for \$150. If the RMGA Study Guide is prior to September 2018, the updated tabs and pages are an additional \$25, plus any required testing fees.
- Technicians attending an RMGA Certification class will be issued a test voucher in the class. All test vouchers are pre-paid, so testers not taking an RMGA Class can obtain a voucher by calling or emailing RMGA. Testers are required to pay any proctor fee directly to the testing center they choose. Old test/re-test vouchers will be honored until the stated expiration date (or through the end of 2019).

Partial funding of RMGA training programs have been provided by the Division of Occupational & Professional Licensing from the 1% surcharge funds on all building permits.

MECHANICAL CODE DISCUSSION

2018 I-Code Adoption



BRENT URSEBACH

BRENT URSEBACH

**HVAC EDUCATOR/
EXPERT WITNESS**

bursenbach@gmail.com
801-381-1449

EARLY THIS YEAR, the Utah Legislature passed House Bill 218, amending the Construction Codes Act. If you attend the RMGA Education Summit earlier this year, you know effective July 1, the following Codes apply for all permits applied for by that date.

Adopted 2018 I-Codes:

- International Building Code (IBC)
- International Plumbing Code (IPC)
- International Mechanical Code (IMC)
- International Fuel Gas Code (IFGC)
- International Energy Conservation Code (IECC) – Commercial ONLY
- International Existing Building Code (IEBC)
- Numerous Amendments, Including Mechanical and Fuel Gas

No Action:

- 2015 International Residential Code
- 2015 International Energy Conservation Code IECC – Residential Provisions

Last issue discussed the amendment allowing existing multi-story common vents, if specific requirements are met. This discussion covers several significant changes in the 2018 IMC and IFGC. *Please note, the 2018 IRC and residential 2018 IECC requirements were not adopted.*

IMC 504.8.2 – Dryer Ducts

“Where dryer exhaust ducts are

enclosed in wall or ceiling cavities, such cavities shall allow the installation of the duct without deformation.”

A 4” round pipe cannot fit in a 3-1/2” wall without deforming the duct. A dryer box manufactured to fit in 2X4 wall is not longer code compliant in building where the IMC apply. This



applies only to new dryer vents installed multi-family buildings or other commercial buildings. The 2018 IRC was not adopted, so this does not apply to single and two-family dwellings, including townhouses.

IMC 603.8 Underground Ducts

“Ducts shall be sealed, secured and tested prior to concrete encasement or direct burial. Ducts shall be leak tested as required by Section C403 of the International Energy Conservation Code.”

Similar to ducts in attics, ducts under-slab also requires duct-blast testing. Again, this applies to only to IMC buildings.

IMC 1107.2 Refrigerant Piping Location

“Refrigerant piping shall not be placed in any of the following:

1. A fire-resistance-rated exit access corridor.
2. An interior exit stairway.
3. An interior exit ramp.
4. An exit passageway.
5. An elevator, dumbwaiter or other shaft containing a moving object.
6. A shaft that has one or more openings into a fire-resistance-rated exit access corridor, interior exit stairway or ramp or exit passageway.”

You might be familiar with some of these requirements, as similar text occurs in the current and past editions of the IBC (International Building Code). The purpose of this restriction is to insure, in the event of a fire or other



event requiring immediate egress out of a building, the path of emergency exiting is not contaminated with a large





Could You Afford a Permanent Vacation?

Business owners and employees alike love to take vacations. While time away is normally a great thing, at a certain point you may start thinking about all the things you need to get back to at work. Take a moment and imagine the following situation: What would happen if you were forced to take a permanent vacation? While this may sound appealing at first, the inability to go to work each day and earn a living can put the future of your business and family in jeopardy. In reality, this is exactly what happens when a disability strikes.

While it's easy to understand that your income stops during a disability, many people don't realize that certain expenses, like medical care and travel, often increase. Clearly, a long-term disability can have far-reaching implications. Consider these facts:

- 46.3 percent of Americans cannot cover a \$400 emergency¹.
- 68 percent would find it very or somewhat difficult to meet their current financial obligations if their next paycheck was delayed for one week².

It is not just the short-term impact of

losing your next paycheck that's the problem. One in eight American workers will be disabled for five years or more during their working careers³. Often, people think workers compensation will cover this loss. But the reality is it only helps cover employees' economic losses due to job-related situations. Keep in mind that approximately 90 percent of disabilities are caused by illness, rather than

necessity, just like the other coverages you have to protect your assets. Disability insurance can provide an income stream to help pay your bills in the event a sickness or injury prevents you from working.

Protect your greatest financial asset: your ability to work and earn a living. Talk to your Federated Marketing representative about how Federated's Income Shield[®] can help protect you

Potential Earnings to Age 67
(with 3% annual salary increase)

Your Age	Your Annual Income		
	\$45,000	\$75,000	\$100,000
30	\$2,970,000	\$4,960,000	\$6,610,000
35	\$2,360,000	\$3,930,000	\$5,250,000
40	\$1,830,000	\$3,050,000	\$4,070,000
45	\$1,370,000	\$2,290,000	\$3,050,000

accidents⁴. Consider what the total cost of losing your income over a lifetime could look like:

Think about the value of your home or auto in comparison to the potential value of your lifetime income. While we don't think twice about protecting these assets against loss, most people don't consider protecting their ability to earn an income. Owning a disability income insurance policy should not be an afterthought. It should be treated as a

and your family from the catastrophic effects of a disability.

¹ U.S. Federal Reserve, Report on the Economic Well-Being of U.S. Households in 2015.

² Council for Disability Awareness, www.disabilitycanhappen.org; "Disability Statistics" July 2013.

³ Ibid.

⁴ CDA 2013 Long Term Disability Claims Review.

Source of article:
<https://www.federatedinsurance.com>



volume of refrigerant. Please understand this does not apply to all hallways or corridors, only those listed above, as defined in the IBC.

Please let me know if you have further questions on these or other code requirements.

—Thanks, Brent ■

Advertise in RMGA PIPELINE!
This size ad for only \$60!
Call Duane Hill @ 801-521-8335 to reserve your space!

Meet and Get to Know: KEATON WEST

Q. Tell us about your company?

A. Vaughn's Plumbing & Heating Co. was established in 1963 by Vaughn & Lila Cross on the basis of providing the highest quality of work to residents in Sweetwater County. In the 1970's

Vaughn and Lila's 3 sons - Kevin, Kendall, and Kayle Cross began working for the company. During the next decade the company expanded into the sheet metal and service areas. After many years of service, Vaughn retired in 1991 with Lila following in 2000. The company has since moved into its 3rd generation with the addition of Kreston Cross and Keaton West to the team. In 2012 Vaughn's built a new office and fabrication facility to enhance the services provided to their customers. The company has continued to grow, employing an average of 45 individuals on an annual basis with a service area spanning over a 100 mile radius surrounding Rock Springs. Vaughn's remains grateful to their customers, fortunate for their team of employees, and humbled to continue on to the next generation while celebrating over 55 years of dependable, trustworthy, and professional services.

Q. What is your position within the company?

A. Vice President.



KEATON WEST

Q. If you weren't an HVACR contractor, what would you like to be?

A. A secret service agent at the White House.

Q. What was your most unusual work experience?

A. I began working for the company as an

installer. During the first couple weeks we had a late finish to a job on a dark wintery night where it was also blizzarding; one of those storms where the snow feels like it is coming directly into the windshield. We were headed back to the shop from the west side of Green River, whereas we had to pass through the tunnels on I-80 on our way back to Rock Springs. I was the new guy, so I had to drive the box van. As soon as we came out of the tunnels, out of nowhere appeared a dark green recliner in the center of my lane. Needless to say, the chair disintegrated, covered the interstate with wood splinters, and the 2-week old Vaughn's employee never spoke of the incident until years later when he had a secure position within management!

Q. What are your favorite aspects of your job?

A. The people - both the employees and customers.

Q. What is a motto that you live by?

A. "Leadership is not a position or title, it is action and example" - Cory Booker.

Q. If you could travel anywhere in the world, where would you go?

A. The Hawaiian islands. My wife and I honeymooned at one - I didn't think about work once while we were there!

Q. What is your favorite hobby and when did you last do it?

A. Hunting, fishing, golfing, going to

the lake, and recreating in Sweetwater County's wide-open spaces. A variation of a few almost every weekend.

Q. What is your hidden talent?

A. I enjoy carpentry work. In high school we had a building trades course where we built two homes. In my spare time I enjoy fixing up my home through



KEATON & CATCH

random projects like building shelving, installing trim and doors, laying tile, and constructing an over-sized shed to house all my toys for the above-mentioned hobbies!



Emphasize Safety with Regular Meetings

Workplace safety has no end point — only a goal: to reduce the frequency of unsafe practices that threaten employees' wellbeing and a business's ability to complete its work. Businesses should emphasize safety as a priority and educate workers on how to avoid workplace accidents. One of the most common and effective methods of accomplishing this objective is the safety meeting, a short, regular gathering of managers and employees that addresses potential hazards on the job.

Timing is important. Hold safety meetings as often as it makes sense, but not so often that you lose your employees' engagement. Schedule the meetings for a time and place that's convenient for everyone. Unless an issue needs immediate attention, the first thing in the morning or directly after lunch work well. Employees will likely be gathered in one place and the work day will be least interrupted.

Keep the meetings short. Take

enough time to make sure your message is understood. If you give too much information, your employees will lose concentration, and everyone's time will be wasted. Up to a half-hour is a good length for the main presentation.

Focus your agenda. Don't try to cover too much in each meeting. Choose a topic that is timely and relevant, and addresses hazardous operating practices. Using real examples helps workers connect the lessons with their own work. Speak as specifically as possible while making sure you don't call out specific employees. The aim is to raise awareness of hazards, not embarrass your workers. Consider including the following in your meeting:

- Recent injuries — What happened? Why did it happen? What should have been done differently?
- Recent safety violations — What was the violation? What hazard did it create? What are the possible injuries that could have resulted?

Dahlgren. I've always been intrigued by Reaganomics and the powerful "get things done" speeches that Reagan persistently delivered. As one of the highest approval ratings post-office, I feel like a lot could be learned from that man. Warren Buffett is considered one of the most successful investors in the world while also being one of the biggest philanthropists. Any tips and advice on how to become successful early on in life (mind you he graduated college at the age of 19) while then being so wealthy that you are able to give away over half of your fortune; well, I find

that remarkable. And as far as Dianna Dahlgren - I enjoy riding dirt bikes and watching supercross races, and well, just google her, you'll get it!

Q. People would be surprised to know...

A. I am a 3rd generation city councilman for the city of Rock Springs. My great-uncle served as Mayor for the city back in the late 70's/early 80's and my father was a councilman during the late 80's/early 90's. I was recently elected during the 2018 election.

Keaton West can be reached at keatonw@vphwyo.com. ■

It's
Your
Business

- Upcoming work schedule — What hazards are you concerned about? What safety equipment should be used? What procedures should be followed?

Make it interesting. Know your material — don't just read from a clipboard. You'll be more conversational and engaging. Use visual aids, too. If you're talking about ladder safety, for example, bring a ladder for demonstration. Whatever you do, make your talk memorable.

Wrap it up. After you've delivered your main message, summarize the main points to reinforce the importance of what they just heard. Plan some time for discussion or questions.

Keep an attendance record. This is not for discipline. Knowing who was at the meeting will help you ensure that everyone receives your message. If an employee missed the meeting, follow up later. ■

Q. If you won a \$50,000,000 dollar lottery, what would you do?

A. Pay off all of my immediate family members' debt, travel the world, and donate to charity.

Q. Do you have a favorite movie?

A. Lone Survivor/American Sniper.

Q. If you could invite any three people to dinner (dead or alive), whom would you invite and why?

A. Ronald Reagan, Warren Buffett, and former Miss Supercross, Dianna



PIPELINE

FUEL FOR YOUR BUSINESS

153 SOUTH 900 EAST, #3
SALT LAKE CITY, UT 84102

RETURN SERVICE REQUESTED

FEDERATED LIFE®

Helping to shield your business and those that matter most. Learn more by contacting your local Federated marketing representative today.

It's Our Business to Protect Yours
FEDERATED INSURANCE®

Federated Mutual Insurance Company and its subsidiaries*
federatedinsurance.com | *Not licensed in all states.
18 00 Ec 12/17 | © 2017 Federated Mutual Insurance Company

Protecting your life's work.