

BIG NEWS!

RMGA Derby

H RACE: Blue
 SR-OLDS AND UPWARDS

— \$10,000 for win,
 \$3,000 to show.
 first track
 n by number

RMGA EDUCATION SUMMIT



Wednesday, September 11, 2024
7:10 a.m. to 2:30 p.m.

The Sheraton Hotel
(150 W 500 S) downtown SLC



FREE SHIRT FOR EVERY ATTENDEE!

		JOCKEY	ODDS
1	White cap, Green silk HOBBY HORSE Br., (1983) Favor to Pasture — My Best Horse	118	W 16-1 P 14-1 S 12-1
2	Red cap, White silk GLUE GUN Ch., (1980) Slickette — Elder's Fire	116	W 6-1 P 4-1 S 2-1
3	Light Blue cap, Blue silk STRETCH FIEND Ch., (1983) Fly By Night — Turbo Charge	116	W 5-1 P 3-1 S 2-1
4	White cap, Green/White striped silk SILVER LINING Ch., (1983) Under Moon — Mary Ellen	115	W 14-1 P 12-1 S 11-1
5	Brown cap, Brown/Tan silk MEGGIE'S CALL Blk., (1982) John's Pride — Katie's	116	W 5-1 P 3-1 S 2-1
6	Yellow cap, Yellow silk RAINDANCE Ch., (1982) Thunder's Head — Light	117	W 7-1 P 4-1 S 2-1
7	Red cap, Red silk MO JO Br., (1983) Missoua's Pledge — Jo Jo's Delight	115	W 6-1 P 4-1 S 2-1
8	Red cap, Red/White silk NAG NAG NAG Br., (1983) Harry's Helop — Whatta Treat	117	W 8-1 P 4-1 S 3-1
9	Orange cap, Orange/Black silk ROUND A BOUT Br., (1983) Outside Agrator — Turf	119	W 10-1 P 7-1 S 4-1
10	Yellow cap, Blue silk WURTHA FORTUNE Gr., (1983) Black Gold — Texas Tea	118	W 5-1 P 3-1 S 2-1
11	RIDGE RUNNER		SCRATCHED
12	CASSEROLE		SCRATCHED

- Hearty Breakfast
- All 6 hours required CE
- Free Golf Shirt
- Free Parking (park in NW corner)
- Delicious Lunch
- Networking
- Horse Racing w/ prizes
- Only \$100, additional registrants \$75!

Registration form on back page.

Don't miss this great mix of business and pleasure!



RMGA Members! Wage Surveys still needed. Deadline extended to Sept 6, but don't wait, do it now!!

Scott Carpenter
 scott@legendsmechanical.com
 801-599-8563 Utah
 208-466-1773 Idaho

MESSAGE FROM OUR PRESIDENT

SCOTT CARPENTER



Dear RMGA Members & Friends,

*It always amazes me how fast the summer season flies by. I hope everyone has had a great year so far. I was excited to see our board was able to award scholarships to the next generation of technicians. I hope that the RMGA will continue to partner with schools in the future to train and encourage people to join our trade. I will continue to ask all of those who are able to attend our monthly board meeting and share any ideas you might have on improving our association. **I am also very excited to see the Spanish language study guide completion.** The board was told that they should be shipped to the testing centers by August 26th. I would like to extend a special thanks to Dean Dyatt for all his efforts in getting the details worked out and the overall success of the Spanish language guide. **I encourage all our members to attend the RMGA Education Summit on Wednesday, September 11.** This is a great opportunity to earn education credits **as well as network within our industry.** Please also keep in mind the ACCA Manual J, S, and D training **September 24th-26th.** We have had a lot of interest from area inspectors, and this will only prove to strengthen our industry's movement towards energy design and compliant installations. It will serve us much better to get in front of the changes than to find ourselves playing catch up. Best wishes and I look forward to seeing everyone at the education summit.*

RMGA BOARD BRIEFING JUL/AUG 2024

All RMGA Spanish Language Materials are now available, including the Testing Center Study Guide!

Rick Mair with Dominion Energy/Enbridge was in attendance at our July meeting, and will be working with Lance Ball and the Wyoming Legislature on the Housing Production and Contractor Licensure Interim study. We also sent Rick several test vouchers for him to share with contractors and inspectors to help them understand the importance of RMGA Certification.

The 2024 Wage and Charge Survey has been sent out, but results are not flying in.

The board awarded eight \$500 scholarships for 1st and 2nd year HVAC students at MTech (5), Davis Tech (2), and SLCC (1).

Enbridge formerly known as Dominion Energy is still working to get the Good Practices app working on Android phones. It works on Apple currently.

The next RMGA board meeting is on ZOOM at 11:00 a.m., on Wednesday, October 9. Everyone is welcome! ■

Read every **Mechanical Code Discussion** article on-line at: utrmga.org/mechanical-code-articles Each article since 2009 is searchable by year or keyword. Take advantage of this amazing resource!

RMGA GAS CERTIFICATION CLASSES

CALL 801.521.8340
OR EMAIL
RMGAUTAH@GMAIL.COM
TO REGISTER

SEPT IN-PERSON (And on Zoom) Salt Lake City

Thursday, September 26
Friday, September 27 &
Saturday, September 28
8 a.m. - 5 p.m.

Dominion Energy CTC Room
1000 West 100 South
Salt Lake City, Utah 84104

NOV IN-PERSON (And on Zoom) Salt Lake City

Thursday, November 14
Friday, November 15 &
Saturday, November 16
8 a.m. - 5 p.m.

Dominion Energy CTC Room
1000 West 100 South
Salt Lake City, Utah 84104

JAN 2025 IN-PERSON (And on Zoom) Salt Lake City

Thursday, January 9
Friday, January 10 &
Saturday, January 11
8 a.m. - 5 p.m.

Dominion Energy CTC Room
1000 West 100 South
Salt Lake City, Utah 84104

Testing
Centers now
have RMGA
Study Guides
in Spanish!

All Certification Classes are \$400. Price includes the RMGA Study Guide, IFGC, online video access, 24 hours of instruction, and 2 attempts at the exam (if necessary). Technicians should attend ALL sessions. In-person attendees should bring lunch or plan to visit a local restaurant during the lunch hour. **Take the Pre-Test to evaluate your readiness for the exam at <https://utrmga.org/pre-test/>**

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

You can now request registration on the new
RMGA website: <https://utrmga.org/certification>



Learn Manual J, D, and S Design Practices 3-Day Series

Prices: \$350/Contractor • \$150/Inspector

BECOME ACCA
CERTIFIED!



Price includes:
All Manuals
(including Manual T),
a Duct Calculator,
Instruction & Lunches
all 3 days!



Join Ed Janowiak, ACCA's manager of HVAC design education, to learn how to perform a proper HVAC design with or without design software.

Manual J: Tuesday, September 24

Manual D: Wednesday, September 25

Manual S: Thursday, September 26

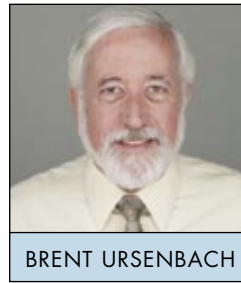
ALL CLASSES 8:00 AM to 4:30 PM

Location: Hercules Industries
475 N Billy Mitchell Road
Salt Lake City, UT 84116

Register by emailing RMGAUTAH@gmail.com or calling 801-521-8340

MECHANICAL CODE DISCUSSION

2021 IMC: COMMERCIAL KITCHENS—Type I Hood Exception



BRENT URSEBACH

BRENT URSEBACH

HVAC EDUCATOR/
EXPERT WITNESS

bursenbach@gmail.com

801-381-1449

AT THE REQUEST OF SEVERAL MEMBERS, this discussion is written for those who install commercial systems, specifically in restaurants. Recently, I've received several questions from mechanical contractors, code officials, and contractors regarding relatively small self-contained deep-fat fryers, griddles, and ovens. These are commercial cooking appliances, designed to not require a Type I Hood, as these systems capture smoke and grease within the unit. As the code requirements for commercial kitchens are complex and lengthy, I've only quoted a few partial sections; however, I recommend grabbing you IMC, as you may want to refer to full sections referenced in quoted sections. IMC commercial kitchen requirements are found in Chapter 5, sections 506 through 509, plus portions of the IBC and IFC address.

2021 INTERNATIONAL MECHANICAL CODE (IMC)

SECTION 202 - GENERAL DEFINITIONS

HOOD. An air intake device used to capture by entrapment, impingement, adhesion, or similar means, grease, moisture, heat and similar contaminants before they enter a duct system.

Type I. A kitchen hood for collecting

and removing grease vapors and smoke. Such hoods are equipped with a fire suppression system.

Type II. A general kitchen hood for collecting and removing steam, vapor, heat, odors, and products of *combustion*.

SECTION 507 - COMMERCIAL KITCHEN HOODS

507.1 General. Commercial kitchen exhaust hoods shall comply with the requirements of this section. Hoods shall be Type I or II and shall be designed to capture and confine cooking vapors and residues. A Type I or Type II hood shall be installed at or above *appliances* in accordance with Sections 507.2 and 507.3. Where any cooking *appliance* under a single hood requires a Type I hood, a Type I hood shall be installed. Where a Type II hood is required, a Type I or Type II hood shall be installed. Where a Type I hood is installed, the installation of the entire system, including the hood, ducts, exhaust *equipment* and *makeup air* system shall comply with the requirements of Sections 506, 507, 508 and 509.

Exceptions: (4 total, quoting only Exception #2)

2. Factory-built commercial cooking recirculating systems that are *listed* and *labeled* in accordance with UL 710B, and installed in accordance

with Section 304.1, shall not be required to comply with Sections 507.1.5, 507.2.3, 507.2.5, 507.2.8, 507.3.1, 507.3.3, 507.4 and 507.5. Spaces in which such systems are located shall be considered to be kitchens and shall be ventilated in accordance with Table 403.3.1.1. For the purpose of determining the floor area required to be ventilated, each individual *appliance* shall be considered as occupying not less than 100 sq. ft. (9.3 m²).

Generally, the code requires a Type I hood anytime the cooking process is at a commercial level and creates smoke or grease. The code further requires welded or factory grease ducts, fire-rated shafts or fire-wrapped ducts, fire suppression systems, tempered make-up air, and more. Full Type I hood systems are expensive to install, test, balance, operate, and maintain. The exception above provides a possibly less expensive option where the cooking process is limited in volume. While make-up air may not be required, please note additional ventilation will be required. Of course, these systems will add a significant internal heat gain to the space, which must be included in the HVAC system design.

The image provided is a Wells Manufacturing UL 710B listed self-contained griddle and deep-fat fryer for

use in smaller commercial restaurants. The manufacturer's specifications, required to meet UL-710B include:

- *Interlock System will not allow the appliance to be energized if any of the filters are not in place.*
- *Airflow Sensing System continually monitors airflow through the filtration system, optimizing performance and grease removal.*
- *Early warning system for filter replacement.*
- *Ansul® R-102 Fire Suppression System is built into the ventless hood to provide ultimate protection. Meets NFPA-96 Standards (**Please note: before the unit can be turned on it MUST be charged, commissioned, and tagged by a licensed ANSUL Fire Suppression contractor**).*
- *Four-stage filtration system; grease filter, prefilter, HEPA filter, and charcoal filter.*
- *Removable/Replaceable multi-stage filter system exceeds EPA-202 for particulate emissions.*
- *Total Stainless-Steel construction for durability and ease of cleaning.*
- *Built-in efficient electric deep fryer with a stainless-steel heating*



Photo: Courtesy Wells Manufacturing

element, and a positive-off thermostat with a manual reset safety feature that turns the fryer off if an over-temperature situation occurs.

These appliances may be ideal for small sandwich shops and cafes. This discussion briefly introduced these appliances, applicable codes, and touched on commercial cooking codes. Please study the IMC and reach out to me with questions. For those who are wondering about cost, the unit shown here is about \$42,000. Expensive, but less than a Type I hood with exhaust systems, grease ducts, shafts/fire wrap, suppression systems, etc.

*If you are interested in a class on commercial kitchens or other mechanical systems, please plan on attending the **RMGA Education Summit** next week, Wednesday, September 11. You'll have the opportunity to make suggestions, share opinions, and ask questions. **Hope to see you there!** —Brent ■*

WELCOME OUR NEW RMGA MEMBERS:



B&M HOME SUPPLY AND SERVICES

Alveni G. Belisaro Marin
7702 Locus Street
Midvale, UT 84047
alvenib@bmhomesupply.com
bmhomesupply.com

BK HVAC LLC

Brian King
4415 W 1775 N
Plain City, UT 84404
801-928-6394
brian@bkhvac.net

ANY HOUR SERVICES

Jordan Finley
1374 W 130 S
Orem, UT 84058
jordan.finley@anyhour.com
www.anyhourservices.com

MAP CONSULTING

Chad Hall
20101 SW Birch Street, Ste 250
Newport Beach, CA 92660
509-280-2598
chall@mapconsulting.com
www.mapconsulting.com

LOCAL MTECH STUDENT PLACES 2ND IN NATIONAL SKILLS CONFERENCE

MTEch student **Luke Reynolds** placed 2nd nationally (among 24 competitors) at SkillsUSA, a national program where state



Atlanta, GA. Also representing Utah was Secondary Gold Medal Winner: Jesus Miranda, who placed mid-

include equipment such as ice machines, refrigerated display cases, small package HVAC units, furnaces and split-system air conditioning and/or heat pump systems, mini-split and/or ductless systems, and geothermal units.

finalists compete in a series of testing stations designed to assess HVAC skills.

Luke was the Post-Graduate Gold Medal Winner from Utah, so he was invited to the SkillsUSA National Leadership & Skills Conference held in

tier among the 33 competitors.

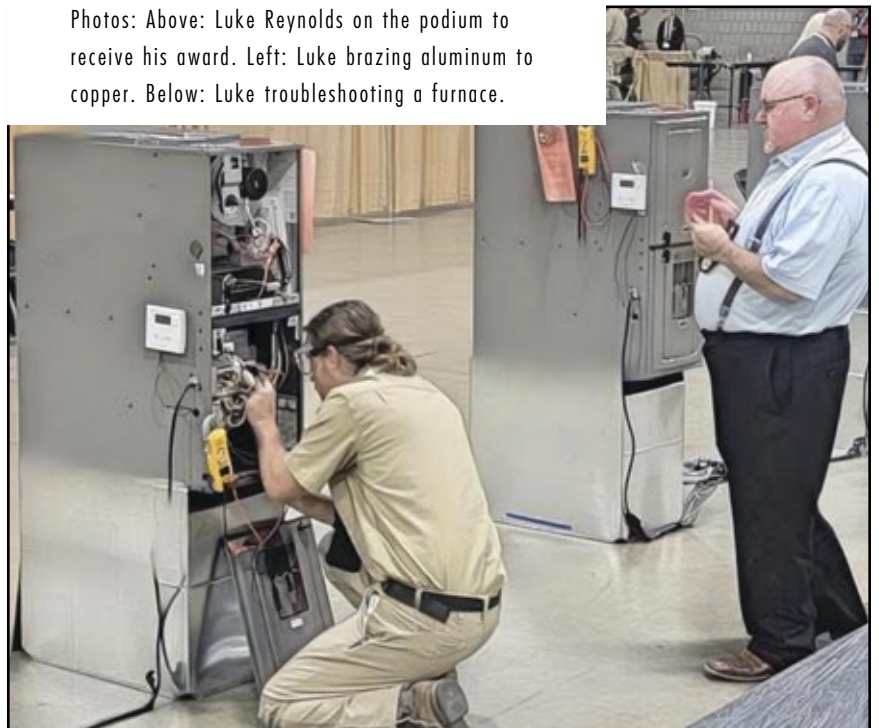
The SkillsUSA National Leadership & Skills Conference is held annually at the Georgia World Congress Center in Atlanta, GA. The testing stations used are identified by industry HVACR standards, and may

You can find more details about the National event here:

<https://www.skillsusa.org/competitions/skillsusa-championships/>

The State of Utah event information is here:

<https://www.utahskillsusa.org/>



Photos: Above: Luke Reynolds on the podium to receive his award. Left: Luke brazing aluminum to copper. Below: Luke troubleshooting a furnace.

Meet and Get to Know: RICK GUTENMANN



RICK GUTENMANN & FAMILY

Q. Tell us about your company.

A. **MAP** is a business transformation agent, whether you need to accelerate growth, align your team, or enhance execution. We pair the proven **MAP Management System™** with customized consulting relationships to ensure your next step is the first of many.

Q. What is your position within the company?

A. Senior Consultant.

Q. If you weren't an HVAC Consultant, what would you like to be?

A. A baseball coach.

Q. What was your most unusual work experience?

A. Driving a bus in the Colorado mountains during winter.

Q. What are your favorite aspects of your job?

A. Learning all the different pathways to business success.

Q. Do you have a motto to live by?

A. "Be happy with what you have while working for what you want."

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

A. Europe for a summer.

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

A. Triathlon (in July).

Q. Tell us about your hidden talent.

A. Former collegiate chess champion.

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

A. Buy a house on a lake and volunteer my time helping a worthy cause.

Q. Do you have a favorite movie?

A. Pulp Fiction.

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

A. Jack Kerouac—one of my favorite writers. George Carlin—so funny. My Dad—just one more conversation.

Q. People would be surprised to know. . . .

A. I once played 100 holes of golf in one day.

Rick Gutenmann is a consultant with MAP. He can be reached by email at: rkgutenmann@mapconsulting.com. Website: Mapconsulting.com

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RETURN SERVICE REQUESTED

SHERATON HOTEL SLC is located at 150 W 500 S in Salt Lake City. FREE PARKING AVAILABLE in NW Corner of Hotel. See you there!

RETURN THIS REGISTRATION FORM TO: RMGA • 153 SOUTH 900 EAST, #3 • SALT LAKE CITY, UT 84102
Fax to: 801-521-8360 or Email to: utrmga@gmail.com

RMGA EDUCATION SUMMIT 2024 REGISTRATION FORM • SEP 11, 2024

WEDNESDAY, SEPTEMBER 11



SHERATON HOTEL SLC

company name _____

address/city/state/zip _____

email _____

contractor # _____ phone # _____

registration fees:

RMGA MEMBERS ONLY @ \$100 _____

Additional Attendees @ \$75 _____

Continuing Education Credit Fee @ \$15 _____

Tech College Student @\$25 _____

Building Inspectors FREE! But Must Register

sponsorship opportunities:

GOLD _____ @\$600

SILVER _____ @\$400

BRONZE _____ @\$200

GOLD \$600

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- 8 minutes during Member Meeting to promote your business
- Special recognition in RMGA Pipeline Newsletter

SILVER \$400

- Sign with company name displayed prominently at all functions
- Convention registration for 2
- 2 minutes during Member Meeting to promote your business
- Special recognition in RMGA Pipeline Newsletter

BRONZE \$200

- Sign with company name displayed prominently at all functions
- Convention registration for 1
- Special recognition in RMGA Pipeline Newsletter

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Contractor License Renewal due:
November 30, 2025

check box for CE

Names of Attendees from Same Company:

total amount due: _____

for credit/debit payment:

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on Mondays or Wednesdays at 801-521-8340