October 6th @ NW College of Construction

DAIKIN

The October ORACCA meeting is scheduled to be held at The NW College of Construction, 8111 NE Holman St, Portland, OR 97218 at 11:30AM, Thursday, October 5th, 2017.

Lunch is being provided by Thermal Supply, so bring your appetite and join your fellow HVAC contractors to network and hear about these exciting programs. You do not want to miss this, so add the date to your calendar and plan to attend.

Len Crawford, Commercial Sales Manager with Daikin will be presenting. Following is an outline of his presentation.

The VRV product line. This is the Variable Refrigerant Volume systems. Based on Inverter technology compressors, the first VRV HVAC systems were invented by Daikin during the early 1980’s. ... All other companies use VRF (Variable Refrigerant Flow2) for their similar HVAC systems.

The operation logic of the VRF is fully built-in inside the system and is proprietary for each VRF manufacturer. The system gets inputs from the user (e.g. desired comfort temperature) and from the surroundings (outside ambient temperature), and according to that data it implements its logic in order to get to the desired comfort conditions, utilizing optimal power consumptions.

At the beginning, the system is in standstill condition (everything is turned off). Once a user turns one of the indoors “ON” by its local remote, the outdoor “gets noted” regarding it, and starts working. At this point, it will examine the outdoor conditions (temperature), the operating indoor requirements (operation mode, set point temperature), and will operate the compressor at the exact level, required to comply with the indoor requirements.

When another indoor unit is turned on, the outdoor recalculates the requirements from all the indoors, and will increase the compressor’s output, according to the required level of demand.

This process is constantly occurring with any change, performed in the HVAC system. As described, the VRF system is fully automatic, and regulates its power consumption based on the demand arriving from the indoor units and outside prevailing conditions.

A well-designed VRF/VRV system will typically serve areas known to have opposing heating and cooling loads and can, therefore, redistribute excess heat from areas that require cooling to those that require heating. Heat recovery VRF/VRV systems deliver the ultimate in energy efficiencies, achieving a SCOP/SEER in excess of 5.0.

The ability to adjust itself to the outdoor conditions is one of the main factors that makes VRF systems so efficient, compared to the traditional water cooled systems, based on chillers and fan coils.

This meeting promises to be very informative about a segment of the market that is still relatively new. And, one which offers long term cost savings for the customer and sales dollars for you.

Join us at NW College of Construction and learn more about what is happening with the Daikin line of products.

Need NATE CEU credits to maintain your certification? You need 15 CEU hours in two years.

See page two for information on the Codes meeting.

Both meeting earn NATE CEU’s and CCB- CE’s.
October 19th @ NW Natural, Sherwood
Code Issues

The MEMBER ONLY October 19th Codes update meeting is scheduled to be held at the NW Natural Gas/Training Center 20285 SW Cipole Rd. Sherwood, OR 97140. Lunch is being provided by NW Natural.

This is a joint meeting between ORACCA and OMOA. The Oregon Mechanical officials Association. Their membership consists of code officials from State and local jurisdictions throughout Oregon. Attending will be Code Officials from the surrounding jurisdictions.

Plus, we have invited representatives from the surrounding area, to add their thoughts to the discussion of the status of the current codes and advise the attendees of any changes, which are imminent or will be coming on-line in the near future.

All interesting and important subjects which can and will affect your businesses, so plan to attend and learn. The people who can answer your questions will be there, so don’t miss it.

Topics include residential boilers and inspection “look-fors”, a presentation from NWN about CSST install mistakes that are being missed by contractors and inspectors; and Heating and Cooling calculations per OMSC Sec. 310 OR the Outdoor Airflow Rate calculations per 403.3."

Addressing the CSST issue will be Lacey Garrett, NW Natural.

In addition, representatives from Ridgid tools, Kendrick Jones, Trade Tool Supply in Tualatin/Sherwood, OR, a certified platinum RIDGID repair/sales/service center will be demonstrating their line of RIDGID® pressing tools which are unsurpassed in making quick and reliable connections on copper, stainless steel, PEX, black pipe and multi-layer tubing.

For those interested in copper pressed connections, they will also have the Viega® ProPress fittings available for demonstration.

Do more with Viega MegaPress, the first and only press fitting system for black iron pipe suitable for water, compressed air and gas applications.

Viega was the first to offer press joining systems in North America, the first to offer a proven method to verify secure connections and the first to offer the same time-saving press technology in multiple materials.

So, HAVC/R piping without brazing. And, now Black pipe without threading.

You can do a closet install without the worry of fire in an enclosed space and you don’t need your nitrogen tank since there is no oxidation inside the piping. Interesting!!

This meeting will qualify for 2.0 CE hours of credit toward your CCB requirement! A new member benefit. The meeting also offers one NATE CEU for attendees.

So, if you need CCB CE’s, here is an opportunity to accumulate 2.0 CE hours toward your requirement. Plus, you can get answers for all your code related questions at the same time.

This is a meeting you should not miss! CCB CE’s, NATE CEU’s and answers to code questions.
TRAINING/ TESTING

Brazing Certification Test, October 20, 2017,
PCC @ Swan Island Facility

NATE Test, Are being scheduled on demand. Contact the ORACCA office for details 360-834-3805

CFC Test, Are being scheduled on demand. Contact the ORACCA office for details 360-834-3805

Brazing Certification Test, November 7, 2017,
RSD Salem, OR. Contact RSD for Info

Brazing Certification Test, December 15, 2017,
PCC @ Swan Island Facility

Go To www.oracca.org for registration

Not a member? We’d love to serve you, too.
For additional information visit www.oracca.org or call 360-834-3805. Email dick@oracca.org
**Planning Ahead ....**

### MEETING DATES

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Visit our Website for information on the association’s activities.
www.oracca.org

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**ORACCA**

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