

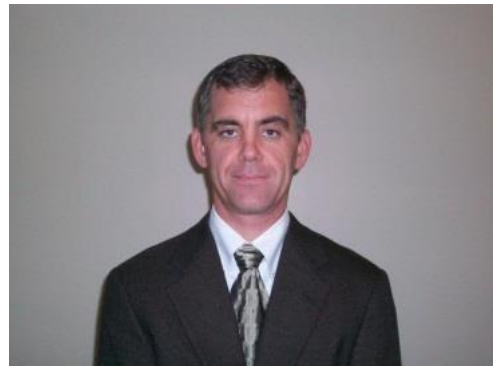


## What every HVAC Consulting Engineer needs to know about Refrigeration Piping Installation, Pressure testing, and Vacuum Testing

**Tuesday, December 4<sup>th</sup>, 2018**

**Jonathan Charles Perry** received a BS in Mechanical Engineering from the University of Virginia and is a certified test and balance engineer.

Jonathan works for Hoffman & Hoffman, Inc., an HVAC&R manufacturer's representative firm headquartered in Greensboro, NC as the Daikin VRV Specialist for the Chesapeake, VA branch. He started his career with Farm Fresh, a division of SUPERVALU, located in Virginia. He spent 18 years designing, building, and maintaining supermarkets focused on mechanical systems, refrigeration systems and energy. He has been a member of the Food Marketing Institute's Energy and Technical Services Committee for 10 years, and helped author GreenChill's Best Practice Guide for Refrigerant Leak Tightness. He is NATE certified in commercial refrigeration, and a master tradesman in HVAC&R.



**Presentation Abstract:** The presentation will demonstrate key aspects of proper pipe installation, pipe support, and pipe insulation that are relevant to any field piped refrigeration system, from small split AC systems to commercial VRV/F to large supermarket refrigeration systems. An emphasis, on what it means to have a "Clean, Dry, and Tight" refrigeration system will be discussed. How to ensure the system is installed correctly with tips for inspecting the installation of a job during construction and at startup. What the code official inspects based on the International Mechanical Code and what they do not. Essential specifications that you should include in your jobs to ensure the systems will run properly for years to come will also be discussed. The presentation will include live demonstrations that you will want to see.

### **Meeting Location:**

**Clark Nexsen**

[4525 Main Street, Suite 1400](#)  
[Virginia Beach, VA 23462](#)

**Time: Meet and Greet/Lunch at 11:45am and Tech Session begins at 12:00 pm Payment:  
Members = \$20.00 Non-Members = \$25.00**

For reservations go to <http://hamptonroads.ashraechapters.org/>