Speaker: Mike Wilson
Title: Technical Service Advisor
Company: Dakota Supply Group
Date/Time: Wednesday, January 9 – 8:00 a.m. to 9:30 a.m.
Location: Vikings Room
Session: “Achieving A Moisture Balance Within The Home!?”

Description:
This session will look at winter and summer time relative humidity levels in the homes that we work in. It will be an overview of how the structure (tightness), the mechanical system (design and set up) and the homeowner (understanding of operation) all work together to achieving a comfortable home.

Session benefits
A. How the building shell, mechanical system and homeowner effect the moisture (RH) with in the home
B. How air leakage and ventilation operation can change the relative humidity during winter and summer seasons
C. Discussion on how selection, set up and operation of HVAC equipment is key to achieve a proper moisture balance with in the home

Biographies:
- Involved in the Heating/Ventilating/Air Conditioning and Energy industry since 1981
- Working as consultant, designer, field manager, and installer of solar energy system and how they integrated in with the mechanical system of the structure. Also worked with homeowners on super insulated building techniques and passive solar design. 1981 to 1986.
- With the issues regarding moisture problems and indoor air quality (IAQ) starting to become more of a common place, Mike got involved in how building science/blower door technology could be applied with ventilation and other HVAC skills to improve the IAQ within homes. From 1986 to 1996 Mike ran a small contracting company that was involved with installing ventilation systems in new construction, retrofitting existing homes and multi family structures. Some of the services that his company provided include diagnosis of IAQ and moisture issues, filtration upgrades, hybrid HVAC application. He also dealt radon, mold and severe moisture damage with in homes.
- As service and training manager at Shelter Supply since 1996, Mike takes his field experience to help HVAC dealer and homeowner with ventilation/energy/IAQ details. Mike is involved with training, field site assistance, technical support and
building/mechanical system diagnostics. Being a supplier of a complete line of products Mike is comfortable with talking about the “System Approach” which is how the components of the HVAC system, the structure of the house, and the homeowner interact together

Professional presentation and instruction

- Indoor Air Quality, curriculum development and course instructor at Mpls Community and Technical College 2007,2006,2005
- ACI Affordable Comfort Institute 2007
- National Building Green Conference 2003
- AIA American Insute of Architects 2006
- Minnesota Society Housing Inspector 2006
- Training over two thousand HVAC professional over the past twelve years

Education and certificates

- Dunwoody Institute Gas service, Air Conditioning 01, Air Conditioning 02.
- Red Wing Vo tech, Energy Education Center Solar, HVAC, and Energy Technologies
- Park Rapids, MN High School Graduate
- Eagle Scout
- State of MN, Low voltage election license
- Universal refrigerant card
- University of MN, Reducing Radon in Structures
- State of MN codes, Have sat on several advisory groups
- HRAI of Canada, Heat Recovery ventilation Installation and Design
- NCI, National Comfort Institute, Certified Test and Balance Technician