

P.O. Box 77258
Greensboro, NC 27417-7258
www.hoffman-hoffman.com

3816 Patterson Street
Greensboro, NC 27407

Address Service Requested

address changes

Address changes, corrections, additions can be sent to the Greensboro office.

fax: (336) 292-6822

e-mail: info@hoffman-hoffman.com

phone: Rusty (336) 252-1700

GREENSBORO, NC

(336) 292-8777
FAX: (336) 292-6822

ASHEVILLE, NC

(828) 296-0111
FAX: (828) 296-0077

RALEIGH, NC

(919) 781-8011
FAX: (919) 787-6019

COLUMBIA, SC

(803) 765-9360
FAX: (803) 256-7728

CHARLESTON, SC

(843) 884-3201
FAX: (843) 881-3628

CHATTANOOGA, TN

(800) 332-6091
Fax: (800) 392-3124

RICHMOND, VA

(804) 272-1500
FAX: (804) 272-8599

CHARLOTTE, NC

(704) 364-4700
FAX: (704) 365-3427

WILMINGTON, NC

(910) 791-4775
FAX: (910) 791-4213

GREENVILLE, SC

(864) 676-1888
FAX: (864) 676-9009

KNOXVILLE, TN

(865) 531-9249
Fax: (865) 531-9218

CHESAPEAKE, VA

(757) 548-1700
FAX: (757) 548-1727

ROANOKE, VA

(540) 725-8701
FAX: (540) 725-8711

www.hbtech.biz

Hoffman  Building Technologies
A Division of Hoffman • Hoffman, Inc.

Offering Building Automation & Systems Integration since 1987

Encelium

Hoffman Building Technologies is proud to announce that we now represent Encelium, a revolutionary lighting and Energy Control System (ECS). The Encelium system combines the proven technologies available in addressable networking, lighting control devices and modern software to provide building owners and facility managers unmatched control of the building lighting system. With these tools they can manage almost every aspect of energy consumption associated with lighting.

Encelium uses six strategies to “control” the lighting system and maximize the energy savings while continuing to provide a comfortable and pleasant work environment. The “six strategies” employed: time scheduling, daylight harvesting, task tuning, occupancy control, personal control and variable load shedding are not new to the lighting and commercial building world. However, the ability to link them all together in a network that is independent of existing lighting electrical circuits and a user friendly software interface that provides complete control of all system aspects is.

Not only is the software easy to use, it can interface with your existing BAS system to enhance overall building control and



energy monitoring, giving control of your building’s energy consumption to the owners and facilities managers.

To learn more visit www.encelium.com or simply call your local Hoffman Building Technologies sales and service offices to schedule a meeting.

comments & suggestions

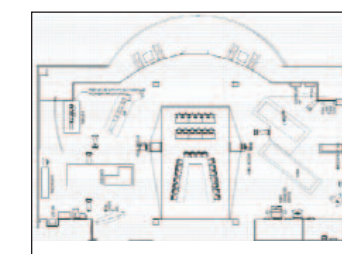
For comments or suggestions on this newsletter, please write or call Rusty Hoffman at (336) 252-1700, rusty.hoffman@hoffman-hoffman.com or P.O. Box 77258, Greensboro, NC 27417-7258.

PRESORT
STANDARD
U.S. Postage
PAID
Greensboro, NC
Permit #17

since 1947

february/march 2010

a technical bulletin and news update



Daikin McQuay Solutions Plaza

What is the Solutions Plaza?

The Solutions Plaza is a state-of-the-art showroom exhibiting the latest and greatest of McQuay and Daikin equipment, systems and capabilities, such as service, parts, solutions, national accounts, etc. The interactive media showroom will by far surpass any showroom within the HVAC industry.

The idea of the Solutions Plaza is to showcase McQuay and Daikin capabilities primarily to consulting engineers as part of the Spec-In initiative. The facility will be capable of hosting seminars and issuing continuous education credits to professional engineers. End-users are also welcomed.

Where is the Solutions Plaza?

The Solutions Plaza will be located on the 21st floor at 10 Exchange Place, Jersey City, New Jersey. This is a very prestigious location directly on the Hudson River. Overlooking the entire Manhattan skyline, the commanding view takes in the Freedom Tower that is under construction at the new World Trade Center site as well as the Statue of Liberty and Ellis Island.

The building is very accessible to major airports, has convenient access to rail transportation, ferry boats and the Hyatt Hotel is located directly across the street for hosting customers visiting from out of town. It is also in the heart of the New York/New Jersey consulting engineer community.

When will the Solutions Plaza be ready?

The Solutions Plaza is currently scheduled to start receiving customers by towards the end of the first quarter next year.

For more information on the Daikin McQuay Solutions Plaza, contact your Hoffman & Hoffman salesperson in NC, SC, Chesapeake, VA, Roanoke, VA and Eastern Tennessee areas. In the Richmond, VA area contact A.C.E.S at 804-264-2911.

Engineers and Design Build Contractors...

You're invited to a webcast!

Topic:

Building Information Modeling: From building concept to facility management and everything in between

Presenters:

Rick Hermans, PE, HEDP Director of Applications
David VanSlyke, Lead Systems Engineer
Elyse Malherek, Applications Engineer
McQuay International

Webcast Dates:

Contact your Hoffman & Hoffman representative to sign up, or go to the links below:

Tuesday, February 23, 2010, 12:00 Noon EST
<https://mcquay.ilinc.com/register/cphvffs>

Thursday, February 25, 2010, 3:00 PM EST
<https://mcquay.ilinc.com/register/cphvkmw>

Webcast Details:

Part I: Rick Hermans will present concepts for using BIM in schematic design, design development, and construction documentation of HVAC systems. He will propose how a BIM model can be used in facility management. (10 minutes)

Part II: David VanSlyke will introduce the fleet of McQuay Revit Family files and templates for use in projects. David will demonstrate the detail contained in these BIM objects and explain the importance of this detail. He will describe the method for customizing the McQuay custom package air handler to meet project requirements. (30 minutes)

Part III: Elyse Malherek will show how McQuay Revit objects are used in actual project models including the use of connectors and schedules. (30 Minutes)

Part IV: Live question and answer period. (20 minutes)



www.hoffman-hoffman.com

inside
this issue

ISSUE 49 NC • SC • TN • VA

Software
Education
Training

Price
Round Floor
Diffusers

Greenheck
Mobile Learning
Center

Guidance on
Standard 189.1

Encelium

Educational Opportunities

Manufacturer	Topic	Date	Contact
Daikin	Online - Daikin Product and Technology Introduction	March 10, 2010	www.daikinac.com
Daikin	Online - Working with R-410A Refrigerant	March 11, 2010	www.daikinac.com
Daikin	Online - VRV Xpress System Layout	March 17, 2010	www.daikinac.com
Daikin	Online - New Product Overview	March 18, 2010	www.daikinac.com
McQuay - Staunton, VA	Centrifugal Chiller Theory & Repair Course	April 26-May 7, 2010	www.mcquay.com Training Link
McQuay - Staunton, VA	Screw Chiller Service & Repair	May 10-14, 2010	www.mcquay.com Training Link
Price Industries	Underfloor Air Distribution	Any	www.price-hvac.com
Price Industries	Space Air Diffusion	Any	www.price-hvac.com
Price Industries - Atlanta, GA	Various Engineering Classes (PDH Credits Available)	April 20-23, 2010	www.price-hvac.com or contact H&H salesperson
Price Industries - Atlanta, GA	Various Engineering Classes (PDH Credits Available)	Sept. 28 - Oct. 1, 2010	www.price-hvac.com or contact H&H salesperson

Software for Engineers

Greenheck CAPS 4.2 Engineer Version

CAPS 4.2 is now available to the engineering community to download from Greenheck's website. This release has a new user interface and web deployment scheme, along with many product enhancements and introductions.

The installation of CAPS 4.2 requires an initial program setup, which may take some time to complete. Once the one-time loading process has taken place, future updates will be much faster.

Go to www.greenheck.com and click on Software, then Request CAPS. You will be required to register for the CAPS Engineer release. Once the necessary information has been supplied, the download link and activation key will be emailed to the address supplied during registration. It's as simple as that.

If you have questions regarding the CAPS 4.2 Engineer release, contact CAPS Technical Support at 715-355-6523 or caps@greenheck.com.



McQuayTools™ Suite for Engineers

McQuay is pleased to announce that McQuayTools™ Suite for Engineers is now available and contains great new features!

New features include:

- A streamlined interface with less clicks: McQuayTools Job Editor is now integrated with the MST SelectTools™ application.
- Drill down and sort capability in the Job Editor line item grid
- An easier document manager interface
- Equipment schedules for Vision™ and Skyline™ air handler units
- Support for 64-bit Windows operating systems

McQuayTools Suite is not available via the McQuayTools Updater. Because the underlying infrastructure of the program has been rewritten, you must install this new version from scratch.

You have two options for obtaining this install:

1. For users that authenticate to McQuayTools via the web, you can download the new software yourself at www.mcquay.com/biz/software/secure/engineers/engineer. Follow the instructions provided in the document "McQuayTools Suite Upgrade Instructions Engineers.pdf"
2. Give your Hoffman & Hoffman salesperson a call. They can gladly install the new software for you from a CD.

If you need technical assistance please contact the McQuay Help Desk at 763-553-5483 or helpdesk@mcquay.com.



Daikin Training in Greensboro, NC

Daikin AC conducts various training courses at the Hoffman & Hoffman training center in Greensboro, NC. Go to www.daikinac.com/commercial/ to register for a training course today or contact your Hoffman & Hoffman salesperson.

Upcoming Courses include:

February 24, 2010	VRV Install & Commissioning & Service
March 10, 2010	VRV Install & Commissioning & Service
March 31 2010	VRV Install & Commissioning & Service

Professional Development Seminars

Hoffman & Hoffman, Inc. is an approved sponsor of continuing professional competency activities for professional engineers and registered land surveyors for the State of North Carolina. Upon course completion, each participant may receive professional development hours (PDH).

Upcoming Professional Development Seminars include:

Featured Manufacturer: Price Industries		Featured Manufacturer: McQuay	
March 23, 2010	Richmond, VA	April 20, 2010	Raleigh, NC
March 24, 2010	Raleigh, NC	April 21, 2010	Charlotte, NC
March 25, 2010	Charlotte, NC	April 22, 2010	Columbia, SC

*Dates and locations are subject to change. Please contact your Hoffman & Hoffman salesperson for more details.

Price Round Floor Diffusers Now Ship as One Complete Assembly!

Price Industries, the leader in underfloor HVAC products, is now proud to ship all round floor diffusers as an assembly. The diffuser, mounting ring, basket, damper, and adjustment knob are all shipped preassembled so that each diffuser arrives as a complete unit. For standard installations, the entire assembly can be installed as a whole, right out of the box and into the floor!

For secure installations, Zip Clip® (ZC) or ring claw (RC) mounting options are still available and each can now be installed with ease. The mounting ring can be quickly installed into the floor, with all other components to follow as one sub-assembly.

For DBA option, the diffuser is now attached to the basket's internal damper at the factory to eliminate manual alignment and reduce overall installation time required in the field.

The new shipping method also means the diffusers will arrive in manageable sized boxes with all necessary pieces in every box. In

all cases, the total weight per box is kept under 40 lbs.

The convenient box size and weight will allow straightforward coordination and transportation of supplies across the entire job site. These changes make installation of Price round floor diffusers easier than ever, dramatically reduce contractor handling costs, and greatly reduce the risk of components being misplaced on the jobsite.

For more information on Price products visit www.price-hvac.com and contact your Hoffman & Hoffman salesperson in NC, SC, VA and Eastern Tennessee.



Greenheck Mobile Learning Center Coming soon to a location near you...



If a no-cost, extremely valuable learning opportunity knocked on your door...would you answer it?

Greenheck's AIRTOUR, an exciting new multimedia mobile learning center, may soon be traveling to your area. Inside, you'll find a unique and effective educational environment with factory representatives on board—and some of the most advanced air movement and control products, 3-D models and diagnostics in the industry.

Greenheck and Hoffman & Hoffman are bringing this extraordinary educational opportunity to you to save you the expense and time of travel, to share extensive knowledge about non-residential air movement and control, and to answer your questions. But we also want to learn more about your needs and concerns. If you get the opportunity, make sure your firm takes advantage of this valuable learning experience.

What's new in ventilation?

Find out how lab exhaust systems have become more powerful and more efficient for science and medical labs. Learn about the energy

savings and humidity control your clients can realize with energy recovery units. Discover how more positive building balance can be achieved with make-up air units. Explore Greenheck's GREEN and Revit® Products. Ask about our CAPS program, or any other Greenheck products such as fans and ventilators, centrifugal fans, vane axial fans, fan coils and kitchen ventilation systems.

What happens inside the Mobile Learning Center?

Greenheck factory representatives use the latest educational tools to keep you interested, conduct hands-on product demonstrations, and coordinate live satellite Webinars with other Greenheck engineers. They also can provide design assistance for one of your current projects. Whatever you want to learn about non-residential air movement and control, Greenheck will be prepared to teach.

What's in it for you?

Attending Greenheck's AIRTOUR when it comes to your community can earn you immediate professional development hours. In fact, Greenheck will issue certificates of completion on site. Most importantly, you will find out about the latest advancements in non-residential ventilation systems...and you'll get an opportunity to ask questions or consult about specific ventilation challenges you are facing. The goal is to provide the most relevant and accurate information available—so you have the knowledge you need to strengthen and expand your valued relationships.

Contact your Hoffman & Hoffman salesperson for dates and more details.



Looking for Guidance on Standard 189.1?



ATLANTA – As publication of the nation's first code-intended high-performance green building standard draws nearer, a Webpage providing the detailed information about the standard, including a draft copy of the document, has been launched.

Proposed Standard 189.1, Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings, moved one step closer to publication in December. It was approved for publication by the Boards of Directors of ASHRAE, IES and USGBC, the three groups that are partnering in its development. ASHRAE is going through the final stages of the American National Standards Institute consensus development process and is hopeful the standard will be available in January.

"Given that this standard will set the foundation for green building codes, it is vital that the building industry is familiar with its requirements," Kent Peterson, chair of the Standard 189.1 committee, said. "ASHRAE, USGBC and IES recognize the potential of this

standard to change the marketplace and are working to educate the industry. Given its impact, we also are working to make the standard available as quickly as possible."

www.ashrae.org/greenstandard serves as a one-stop resource for information on Proposed Standard 189.1, Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings. The page contains an easily readable version of the standard, along with more information on the areas addressed by the standard and other resources for high-performance building.

Proposed Standard 189.1 is being developed by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) in conjunction with the Illuminating Engineering Society of North America (IES) and the U.S. Green Building Council (USGBC). The standard, slated to be the first code-intended commercial green building standard in the United States, is expected to be published in early 2010.

Visit www.ashrae.org/greenstandard