



State Board of Examiners of Plumbing, Heating & Fire Sprinkler Contractors

3801 Wake Forest Road, Suite 201, Raleigh, North Carolina 27609
919/875-3612 - Fax 919/875-3616 - email: info@nclicensing.org

N.J. Whitaker, Chairman

H. Singh, R.J. Long, J. L. Harrison, Jr., Alan Williams, P.K. Selby, T.G. Proffitt

Use The Wrong Name And You Are Unlicensed

Sandra O'Brien-Executive Director

It is the position of the Board that when acting as a plumbing, heating, or fire sprinkler contractor in North Carolina that business be conducted in the same name or style of business as your license is issued by this Board. A license is issued by the Board in the name of either an individual, a sole proprietorship, a partnership or a corporation. Upon receipt of proper documentation and fees, the license is issued in the name requested by the individual licensee. A licensed contractor conducting business in any other name or style of business can be charged with contracting without a license.

Doing business in a different name from the one in which your license is issued can have other bad results. For example, a licensee may contract for work in a company name, when the license is issued in the licensee's individual name. If the customer refuses to complete payment for work, the

licensee may file a lien upon the customer's property and file a claim for payment in court. It is highly probable that the court will refuse to enforce the lien and refuse to recognize the right to recover payment, since the work was contracted in an unlicensed company name. Another example is when a licensee bids a job using a company name when the license is issued in the licensee's individual name. It is possible that the bid may not be considered by the awarding authority, since no license is issued in that company's name.

In conclusion, remember that it is not only to your benefit to conduct business in the same name or style of business as your license is issued by the Board it is illegal to bid, negotiate, contract or perform work in any name or style of business other than the name in which your license is issued by the

(Unlicensed Continued on page 2)

DO YOU HAVE YOUR
6
HOURS
IT'S MANDATORY

Inside this issue:

Use The Wrong Name & You Are Unlicensed	1
Continuing Education and License Renewals	1
James Peace leaving the Board/ New Members Appointed	2
A Lifetime of Service	2
Consent Agreement Report	3
Permit Warning Letters	3
Code Interpretations	4
Summary of Formal Proceedings	5-7
Application for Change	8
Understanding The New Licensing Renewal Laws	9
2002 Winter/Spring Continuing Education Schedule (insert)	

TAKE NOTE:

- ♦ You must have 6 CE hours of approved Continuing Education credits by 12/31/2002.
- ♦ Check your CE hours online by clicking "Continuing Education" at www.nclicensing.org

Continuing Education and License Renewals

Bill Tomlinson

As a licensee of this Board you will soon be entering the homestretch for our first mandatory renewal cycle which will be December 31, 2002, for your 2003 license. Many of you still do not have the mandatory 6 hours of continuing education that is required to renew your license.

I have talked with numerous licensees regarding the mandatory education program and it is received as beneficial to our trades. Still many of you believe that this educational requirement will, for some reason, just go away.

As I have stated in previous newsletters, the Board is committed to this program and all licensees will be required to have their 6 hours in place prior to the 2003 license renewal and each year thereafter.

Most of you failed to take advantage of

the free courses and seminars sponsored by the Board and your local Inspections Department and now find that those who are providing courses are charging a fee to attend classes. The Board has no control over the fees that an organization may charge. My suggestion is to check out several organizations to see if the courses are of interest to you and a price you are willing to pay.

A committee of your peers has been appointed to help us make sure courses and instructors are at a level of expertise consistent with the Boards goal so as to provide you a value for what you are paying.

Our staff, along with this committee, is constantly working to make your education program a national model that you can be proud of and is acceptable to your standards.

(Renewals continued on page 2)

(Unlicensed Continued from page 1)

Board education program a national model that you can be proud of and is acceptable to your standards.

Please take time to review your license information and make sure you are operating under the name or style of business as issued by the Board.

If you need to make changes, we have included the necessary form (if the business is a corporation) on pages 8 and 9 for you to complete and return to the Board's office. Having the correct information on file with the Board can protect your business from problems that may arise in the future.

(Renewals continued from page 1)

Again, I want bring to your attention to not waiting until the last moment to obtain your continuing education hours. If courses are unavailable because of a last minute rush or are only scheduled out of your area you will still need the hours and may have to travel far or pay higher fees to obtain them. **You will not be licensed and you will not be permitted to work until your continuing education requirements are met.**

Please plan ahead and eliminate the inconvenience that you will face if you do not get your continuing education hours in a timely manner.

To those of you who will be attending classes, be sure to bring your license number so that the course provider can get attendance information correctly and entered into our database. You should make sure when attending classes that the Provider and/or those who may be helping get your name, are given your information as it is listed on your license, and that the license number is correct. You are responsible for that information and without it we cannot be responsible for an accurate credit to your license.

Starting January 1, 2002 through June 30, 2002 there will be over 400 classes available. We do expect even more classes to be offered in the fall of 2002. A great deal of work has been accomplished in a short period of time. Take advantage of available courses now and cruise through 2002.

It sure would seem a waste to have the wrong person credited with the hours you have earned.

Thank you and Good luck.

James Peace—leaving the Board

James Peace, Inspections Member, is leaving the Board after having served for seven years. Mr. Peace has seen many changes in the Board and in the industry during the time he has served.

He served as Trial Officer for an extended period of time and was the Board's Chairman for 2000-2001.

His expertise, commitment to the Board and quick wit will be greatly missed.

Governor Appoints Two New Members to the Board

Governor Easley has appointed Mrs. Patricia Selby of Norlina to fill the position as Public Member on the Board. She is replacing Mrs. Susan Lee who left the Board recently to move to Tennessee. Mrs. Selby has served on the North Carolina School Boards Association Board of Directors and is employed by the Employment Security Commission.

At the same time the Governor Appointed Mr. Thomas Proffit as the Inspector Member on the Board. He is currently an inspector in Mecklenburg.

We welcome both these new members to the Board and appreciate Governor Easley for appointing them.



May this Holiday Season

*Bring Peace, Joy and Love
To You and Yours*

Happy Holidays

A LIFETIME OF SERVICE

If you have ever met him -you remember him. His wife, Kate Ward, says anytime John meets someone or stands up to speak he makes it clear "I'm John Ward of Raleigh, North Carolina." He does so in a loud and clear Carolinian accent. Hearing him you cannot help but know not only who he is but how very proud he is of being from North Carolina. John Ward has been a positive force both in the industry and as a civic leader for decades.



Recently the Board of Examiners presented Mr. Ward with a Lifetime of Service Award in appreciation for his service and devotion to the Board, the Industry, and the people of the state he loves so well.

On many occasions I have been asked by licensees when traveling this state, "Is that big guy with the flat-top hair cut still the Trial Officer?" When I tell them "no" the quick follow up more often than not is simply "He was tough but he changed my life. I'm a better contractor because of him." The Board greatly appreciates the years of dedicated service Mr. Ward has given the State Board of

Examiners both in the past and currently—we will always be in his debt. **By Sandi**

Consent Agreement Report

A Consent Agreement is an affidavit taken from unlicensed individuals performing plumbing, heating or fire sprinkler work without a license. These individuals sign a Consent Agreement stating that they will not perform any work requiring a license until they are properly licensed to do so. If you see these businesses or individuals in the field performing work that requires a license please report them to this office.

<u>Name</u>	<u>City/Town</u>	<u>Consent Agreement</u>
Baldwin, John	Robbinsville, NC	08/27/2001
Bradford, Thomas	Cornelius, NC	07/16/2001
Bridges, Paul	Salisbury, NC	07/06/2001
Cagle, Kenneth	Ether, NC	09/05/2001
Cave, James M.	Mount Airy, NC	07/27/2001
Childress, David Lee	N. Wilkesboro, NC	07/26/2001
Childress, David	Morganton, NC	09/13/2001
Clements, Calvin	Winston-Salem, NC	09/06/2001
Coleman, Daniel	Winston-Salem, NC	07/26/2001
Fleming Jr., Robert L.	Hendersonville, NC	09/14/2001
Green Jr., Lloyd	Simpsonville, SC	08/28/2001
Greene, Rebecca	Trinity, NC	07/17/2001
Greene, William	Trinity, NC	07/17/2001
Greenhill, Billy	Fayetteville, NC	08/23/2001
Harrell, Steven	Edenton, NC	09/25/2001
Hooker, Robert	Mount Airy, NC	07/27/2001
Hooper, Douglas	Robbinsville, NC	08/27/2001
Huffman, Michael	King, NC	09/06/2001
Klouse, Hawley	China Grove, NC	10/03/2001
Lee, Tom	Rocky Point, NC	10/02/2001
Mansfield, Allen	Wilmington, NC	10/02/2001
Mayor, Gumersindo	Charlotte, NC	08/30/2001
McClure, John	Gastonia, NC	09/18/2001
Morris, Robert	Morganton, NC	09/07/2001
Owen, Carlos	Brevard, NC	09/14/2001
Palmer, Curtis	Wilmington, NC	10/02/2001
Pettigrew, Billy	China Grove, NC	10/03/2001
Schaver, Robert	Wilmington, NC	10/11/2001
Snyder, Charles	Franklin, NC	10/03/2001
Surber, Burt	Clyde, NC	08/27/2001
Thomason, William	Mauldin, SC	08/28/2001
Watson, Brad	Hudson, NC	10/15/2001

Permit Warning Letters

<u>Name</u>	<u>City/Town</u>	<u>Permit Warning</u>
Andrews, Bain	Millers Creek, NC	09/20/2001
Andrews, Daniel	Franklin, NC	10/02/2001
Burkhardt, Jerry	Carolina Beach, NC	07/31/2001
Calloway Jr., Ralph	Concord, NC	07/11/2001
Castor Jr., Donald	Cornelius, NC	09/26/2001
Chilton, Jerry	Yadkinville, NC	07/26/2001
Cope, Michael	Franklin, NC	10/02/2001
Crawford, Donald	Eden, NC	07/20/2001
Doby, Steven	Mt. Pleasant, NC	10/03/2001
Duarte, Ernest B.	Wrightsville Beach, NC	08/08/2001
Furr Jr., Ralph	New London, NC	07/11/2001
Garner, Larry	Charlotte, NC	06/29/2001
Gupton, W.I.	Henderson, NC	08/15/2001
Jordan, Dwight	Monroe, NC	09/25/2001
Kalnen, Martin	Castle Hayne, NC	07/18/2001
King Jr., Dan	Charlotte, NC	09/27/2001
Massengill, James	Selma, NC	07/20/2001
Mastin, Roger	Winston-Salem, NC	09/06/2001
Medlin, Robert	Randleman, NC	07/17/2001
Mullin, James	Laurel Fork, VA	09/27/2001
Owen, James	Brevard, NC	09/14/2001
Pendleton, Mark	Gastonia, NC	08/01/2001
Roney, Paul	Burlington, NC	08/08/2001

Continuing Education Providers

These Providers are approved to offer classes for CE Credit

American Fire Sprinkler Association

Contact: Tom Waller Phone: 336-885-5007

Asheville-Buncombe Technical Community College

Contact: Skye Myrick Phone: 828-254-1921

Carolinas AGC

Contact: Ginny Bigham Phone: 704-372-1450 Ext. 5248

Cape Fear Community College

Contact: Melissa Comer Phone: 910-251-5881

Cleveland Community College

Contact: Chris Nanney Phone: 704-484-4117

College Of The Albemarle

Contact: Frank Horton Phone: 252-335-0821 Ext. 2233

Craven Community College

Contact: Rick McCormac Phone: 252-638-7361

Forsyth Community College

Contact: Dr. Anne Hennis Phone: 336-734-7732

Halifax Community College

Contact: Willa Dickens Phone: 252-536-7274

Nolan Company

Contact: Joel Key Phone: 800-446-8960

Nash Community College

Contact: Larry Mitchell Phone: 252-443-4011 Ext. 224

N.C. Assoc. of Plumbing, Heating Cooling Contractors

Contact: Dianne Gulli Phone: 877-742-2423

N.C. Heating & Air Conditioning Contractors

Contact: Rae Helms Phone: 704-567-9374

N.C. Petroleum Marketers Association

Contact: Tim Laughlin Phone: 919-782-4411

N.C. Propane Gas Association

Contact: Michael Boggs Phone: 919-787-8485

N.C. Professional Plumbers Association

Contact: Sandy Loflin Phone: 800-231-6764

Rockingham Community College

Contact: Anne Lanning Phone: 336-342-4261 Ext. 2145

Southeastern Community College

Contact: Robert Brooks Phone: 910-642-7141 Ext. 209

South Piedmont Community College

Contact: Sandy Huntley Phone: 704-694-6505

The Technical Training Institute

Contact: Eva Pratl Phone: 800-317-7095

Umpire Technologies Group

Contact: John Turnage Phone: 919-624-3456

Vance-Granville Community College

Contact: Diane Finch Phone: 252-492-2061

Wilkes Community College

Contact: Calvin Dull Phone: 336-838-6208

Wake Technical Community College

Contact: Duncan Shaw Phone: 919-662-3438

Good Guys & Gals Award

NEW ASSOCIATION

A new association called the **Permitting Personnel Association** has been formed. One of the purposes of the Association is to educate permit clerks and administrators in the inspections departments across the state with services available to them. Vanessa Brown, Michelle Faison and Bill Tomlinson from the Board's office, attended the meeting at Atlantic Beach and discussed online information available to permitting clerk's and administrators. Mr. Tomlinson was on a panel along with representatives of the other construction trades' Boards. The Board is glad to be working with this new association.



The Board will no longer be printing the Register and selling it. Sometime this fall it will be online in a format that you can search and print out information. The process of having it printed was so time consuming and ended up being very outdated as soon as it was available. Refunds of \$4.00 will be mailed to those licensees who purchased the register.

New Exam Information Benefits Licensees

Examinations are now being given via computer at six sites throughout North Carolina. No longer are there deadlines; exams are handled on a first come first serve basis. Also, should an applicant fail an exam they may retake that exam in 90 days. Applications are forwarded automatically just prior to the 90 days ending to licensees that failed. If you have not received your application, you may call the Board's office to check on its status. The Board now charges \$20.00 for the application to cover the expense of processing. This fee is only on the first time you apply for each exam.

Plumbing Code Interpretations

Plumbing Fittings

Section 706.3 of the 2002 Plumbing Code may be used at this time because Table 706.3 is the same as the wording of the 1996 code plus our interpretations of the 1996 code.

Section 706.3 Installation of fittings of the 2002 Plumbing Code

Fittings shall be installed to guide sewage and waste in the direction of flow. Change in direction shall be made by fittings installed in accordance with Table 706.3

Whirlpool Bathtubs-Volume VII, Section 3222

Whirlpool Bathtubs-3222.1 Access Panel.

A door or panel of sufficient size shall be installed to provide access to the pump for repair and/or replacement.

3222.2 Piping Drainage. The circulation pump shall be accessibly located above the crown weir of the trap. The pump drain line shall be properly graded to ensure maximum water retention in the volute after fixture use.

DOI Interpretation is that an access door of 12"x12" minimum or large enough to remove motor and pump shall be provided at the side or end of the whirlpool bathtub (clearance of 21" minimum in front of the access door) and pump connections shall be within 15" of the access door.

MECHANICAL CODE INTERPRETATIONS

Mechanical Code section 504.1 requires that a commercial exhaust hood be installed for all commercial, industrial, institutional, and other food heat-processing equipment producing smoke or grease laden air except for three exceptions. The requirement is without regard to fuel type; electric cooking appliances are not exempt from the requirements of this section. Also, note that when a commercial exhaust hood is required, fire-extinguishing equipment per section 507 is also required. Pizza ovens are not exempt from consideration of any requirements; a system complying with the requirements of sections 504, 505, 506, and 507 shall be installed.

Reprint from NC Council of Code Officials Newsletter



During this holiday season light a candle in remembrance of those who tragically lost their lives on September 11, 2001

Our thoughts and prayers go out to all who have been touched by this tragedy and wish those protecting our freedom a heartfelt thank you.

SUMMARY OF FORMAL PROCEEDINGS

BAER, GREGORY GEORGE

Hickory, NC

License #16989 PH 1&3-I

Allegations of incompetence in the business of plumbing contracting in that respondent installed a one and one half inch floor drain for the washer machine room which should have been a two inch floor drain; failed to secure the fiberglass tubs and showers to the building; installed multiple dry horizontal vents below the flood level rim of fixtures without being washed; failed to install a vent in the third floor water closet; failed to vent the washer machine outlet located on the first floor; failed to properly support several areas of both horizontal and vertical piping; exceeded the hydraulic gradient on the two inch shower drain on the second floor, creating an "S" trap; improperly bored numerous floor joists resulting in holes located within two inches of the floor joists; failed to properly brace all of the 2"x 10" that were bored with a three and five-eighth inch hole; installed a running trap to serve a shower drain for a shower on second floor; double lavatory on second floor is being wet vented by a lavatory from third floor; installed a roof vent within ten feet of a window; installed four fixtures on a half inch water line in several areas; installed five water closets on a three inch line, installed undersized wet venting in two different sections; installed test stack used on third floor at thirty inches above highest drainage system, not the required thirty-six inches required by code; installed several vents and drains without grade or back grading; installed a three inch PVC drain by cutting top plate by more than half to serve third floor water closet, without having repaired top plate with angle support; failed to install clean-outs at base of several stacks located in crawlspace; and failed to provide adequate supervision.

Consent Order entered 8/14/01 in which no action was taken against the H-1 and H-3 license of Respondent and Sunquest, Inc. The license of respondent as a plumbing contractor is placed on probation for 5 years with provisions that Respondent's license as a plumbing contractor be restricted such that no work for which plumbing license is required shall be carried out and no permit for such work obtained by the Respondent Baer or Sunquest, Inc.; excepted from the restrictions is piping or permits for contracts directly involving the connection of solar heating systems or radiant floor heating systems; at the option of the Respondent, the foregoing restrictions may be expanded to allow respondent to replace hot water heaters regardless of change of fuel or venting, sewer line replacement or gas piping for plumbing or heating systems providing that before doing so, respondent take and complete certain classes; assure that a final inspection has been performed, enroll in a course in Level 1 Plumbing or equivalent course approved by the staff of the State Board and present evidence of a passing grade; and commit no violation of Article 2, Chapter 87 or the Rules of the Board.

BENDER, DON d/b/a CHOICE HOMES 12/20/00

Raleigh, NC

Allegations of plumbing contracting without a license.

Complaint and Summons filed 1/31/01. Answer filed 3/28/01.

Mediation carried out 9/20/01.

Consent Order entered by the Court on 10/04/01 enjoining the Defendant from engaging in business as a plumbing, heating, or fire sprinkler contractor.

BENTLEY, MIKE 3/23/01 Winston-Salem, NC

Allegations of heating contracting without a license.

Permanent injunction entered 10/01/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

BETTENHAUSEN, KEVIN SCOTT, President 4/24/00

K & L SERVICE CO., INC.

Wilmington NC License #17827 H-3-I

Allegations of incompetence and lack of supervision and timely performance in the business of heating contracting in contract to install heating group 3 systems in 99 apartments in 13 buildings at an apartment complex.

Consent Order entered 9/11/01 placing the license of the firm on pro-

bation for 12 months. During the probation, Respondent shall have written contracts, obtain permits as required for each contract and assure that a final inspection has been performed, provide supervision as required by the Rules of the Board and assure that he is personally present on each job immediately prior to any request for inspection; enroll in Level 3 Mechanical (heating) Code Course, a Building Code Law and Administration course, and a 30 hour course covering fundamentals of Estimating, Bidding, Contracting and Project Management or equivalent courses approved by the staff of the State Board; until coursework is completed, respondent shall undertake no project requiring an aggregate cooling capacity greater than 20 tons or having an aggregate mechanical system project cost greater than \$75,000.00; and commit no violation of Article 2, Chapter 87 or the Rules of the Board.

BROWN, SHANE

Bessemer City, NC 5/25/01

Allegations of plumbing contracting without a license.

Permanent injunction entered 9/28/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

BRYSON, O.K. Cedar Mountain, NC

Allegations of heating contracting without a license in violation of prior Order of the Court.

Contempt hearing scheduled for 8/6/01.

Order of Contempt filed 9/07/01 finding the Defendant in contempt of the prior order of the court and fining him the amount of \$500.00 and sentencing him to be confined to the Transylvania county jail for 24 hours with a suspended sentence of 30 days.

COLE, DAVID WAYNE

4/24/01

d/b/a COLE'S COMFORT CONTRACTORS

Locust, NC

License #6755 H-3-I

Allegations of misconduct in the business of heating contracting in that Respondent failed to sleeve copper gas piping existing in crawl space at wall; used dissimilar metals for pipe hangers; installed shroud around outside package in such a manner that it has pulled away from unit allowing water into crawl space; used dissimilar metals on gas piping; installed return air flexible ductwork radius which does not meet Air Diffusion Council standards; failed to obtain a gas test; failed to obtain final inspection within ten days of substantial completion; put unit into operation prior to a certificate of compliance; failed to adequately support flexible ductwork; failed to install flexible ductwork in accordance with Air Diffusion Council standards; failed to use connector collars at flexible ductwork splices; failed to seal ductwork joints and branch collars; pitched flue piping in wrong direction; failed to properly seal chimney where flue pipe entered; failed to complete insulation on refrigerant piping; failed to protect control wiring allowing wiring coating to break down; used mastic on flue piping as a sealant; failed to set unit properly; installed fourteen inch supply and return air flexible ductwork on a 2.5 ton system which requires a sixteen inch diameter duct; failed to install identification stickers on gas piping; installed gas piping which was undersized five-eighths inches at forty feet; installed a gas line with a crimp which reduced cross-sectional area; cut a stud when new air return was installed; failed to install a drip leg prior to gas piping entering furnace; provided combustion, oxygen depletion and inefficient operation; RTVC sealant was not used at unit and improper reducer was used at unit not in accordance with manufacturer installation instructions; attempted to utilize a single unit in a three story residence; failed to support copper gas piping every six feet; failed to complete refrigerant piping insulation; installed PVC flue piping which leaks condensate into furnace room; used six inch diameter combustion air duct and four inch by ten inch register which is undersized; stuffed paper into ductwork to fill void in 2.5 ton unit; failed to properly support units in accordance with installation instructions; used improper reducers at outlet of furnaces; left abandoned flue from boiler not sealed within ten feet of existing chimney vent; high temperature RTV not used at furnace and flue piping connections; failed to properly terminate old boiler gas and water piping; installed flexible ductwork which was restricted by supports and other obstructions; used single wall sheet metal flue material within eighteen inches of combustibles; abandoned existing individual return system

and failed to cap it off; failed to install proper pitch on condensate piping for gravity flow; installed return air flexible ductwork which was restricted; installed 16" return air flexible ductwork when eighteen inches was required; installed a gas pack which is out of level.

Order issued by the Board 9/24/01 suspending the license of Respondent for 2 years with provisions that Respondent, within 30 days of the Order, present evidence that all installations in question in the Notice have been completed and passed final inspection. No action is taken as to the license of Cole's Comfort Contractors if the jobs are corrected within the 30 day period. In the event the Respondent fails to present evidence of completion of the installations and final inspection within 30 days from the date of the Order, the license of Respondents, David Wayne Cole and Cole's Comfort Contractors will be revoked.

COE, WILLARD d/b/a JACK'S PLUMBING Supply, NC
Allegations of plumbing contracting without a license in violation of prior Order of the Court.

Contempt hearing scheduled for 8/6/01.

Order of Contempt filed 8/23/01 finding the Defendant in contempt of the prior order of the court and sentencing him to be confined to the New Hanover county jail with a suspended sentence of 30 days.

COOK, JR., CLARENCE EUGENE

d/b/a Cook's Plumbing Broadway, NC License #19996 P-II
Allegations of misconduct in the business of plumbing contracting. Summary Procedure held 9/12/01.

Respondent objected to Recommended Order 10/4/01.

Formal hearing being scheduled.

DAVIS, BOBBIE DEAN, F.T.E. License #4206 H-I 6/14/01
UNITED AIR COMFORT, INC Charlotte, NC

Allegations of incompetence in that Respondent installed double wall flue piping backwards; supported flue double wall piping with plastic "Panduit" flex straps; failed to obtain a gas test; failed to install drip leg or pipe identification; failed to install proper supports on gas piping and under furnace and coil; installed flexible gas line into cabinet of furnace; failed to properly seal penetration at foundation wall; installed plastic dryer vent cap at outlet of flue piping; located the flue piping too close to the crawl space vent and gas meter; installed flexible gas line entering furnace cabinet; failed to install a shut-off valve for furnace; failed to properly install flue piping; failed to seal ductwork transitions; failed to properly secure Type B double wall joints; failed to install Z-liner in the chimney for an 80% efficient furnace installed; used dry stack blocks; used screws in Type B Double Wall flue piping; failed to leave installation instructions with unit; failed to use PVC primer/cleaner on PVC drain piping; failed to obtain a Certificate of Compliance prior to putting unit into operation; and failed to obtain final inspection within 10 days of substantial completion.

Final Order entered 9/11/01 suspending the license of respondent for 6 months.

DAVIS, RODERICK 12/20/00

d/b/a DAVIS BUILDING CONTRACTORS Seven Springs, NC
Allegations of heating contracting without a license. Complaint and Summons filed 1/31/01.

Permanent injunction entered 8/28/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

DURHAM, ALONZO TRENT Raleigh, NC 12/6/99

Owner, TRIPLE D'S SERVICE License #19164 H-3-I
Allegations of incompetence in the business of heating contracting. Unable to obtain service of Notice on Respondent.

FEWELL, HOWARD, JR. Clover, SC 2/22/01

Allegations of plumbing contracting without a license. Summary Judgment Granting Permanent injunction entered 8/27/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

FISHER, JEFF Leicester, NC 4/26/01

Allegations of heating contracting without a license. Permanent injunction entered 8/20/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

GODINEZ, MAURICIO Wilmington, NC 4/26/01

Allegations of heating contracting without a license.

Permanent injunction entered 8/20/01 enjoining Defendant from engaging

in business as a plumbing, heating or fire sprinkler contractor.

HART, DONALD ALBERT Gastonia, NC 2/21/01
Allegations of plumbing contracting without a license. Consent Order entered by the Court on 9/20/01 enjoining the Defendant from engaging in business as a plumbing, heating, or fire sprinkler contractor.

HART, GRADY E. 7/19/00
Bessemer City, NC License #4152 P-I

Allegations of incompetence and misconduct in the business of plumbing contracting in that Respondent aided and abetted an unlicensed contractor, failed to obtain a permit; put system into use without receiving a Certificate of Compliance; installed 2 hose bibs without vacuum breakers; failed to secure hose bibs to building; failed to properly support the water distribution system; carried out the installation while license suspended, represented to the Board staff that the job was carried out by Respondent's brother; obtained the contract, permit and payment using name and license number of another licensee; and obtained money up front and failed to complete the installation.

Order entered 9/4/01 revoking the license of respondent.

HATCHER, TIMOTHY L. License #7868 H-3-I Greensboro, NC
Allegations of incompetence in the business of heating contracting in that Respondent failed to install properly sized pad; failed to level equipment and properly seal duct; failed to provide ultraviolet ray protection for thermostat wire; supported gas piping with dissimilar metal; left several disconnected wires on the condensing unit; spliced and jumped several wires on condensing unit; attempted to bypass electronic controls; failed to obtain permit; cut hole in the back of the wall furnace with a 4" flex duct attached; connected 4" flex duct to a 4" x 12" register in living room and covered part of the front supply grill on furnace with sheet metal.

Order entered by the Board on 8/27/01 placing the license of Respondent on probation for 6 months with provisions that respondent prior to the end of the probation period produce evidence that he has received a substance abuse assessment from a community institution; have written contracts, obtain permits as required for each contract and assure that a final inspection has been performed, maintain job files or other written records of contracts, maintain a service log of all contracts and service calls, maintain records detailing and documenting his compliance with the provisions of this probation order and commit no violation of Article 2, Chapter 87 or the Rules of the Board.

HICKS, RONALD D., JR. License #8082 H-3- Fayetteville, NC
Allegations of incompetence in the business of heating contracting in that Respondent failed to obtain a permit; failed to respond or return Warning Letter to the Board; failed to attend Informal Hearing scheduled by the Board; permitted use of his license by an unlicensed individual; failed to seal all duct joints, seams and collars; failed to properly insulate floor boots; failed to properly size supply duct for 75,000 BTU gas pack; failed to attach flex inner liners to the starting collars or the floor boots; installed flex supply duct squalled down into an 8" wide metal trunk line and taped an electrical wire in the crawl space onto one of the 6" flex branch ducts.

An Order was entered by the Board on 8/8/01 providing a period of 90 days for the Respondent to carry out all corrections on the jobs set forth in the Order and reimburse the Board \$543.00 for investigatory related expenses. If the conditions are not met, the license shall be revoked. At the conclusion of the 90 day period and in absence of revocation, license of Respondent shall be placed on probation for 1 year with provisions that Respondent have written contracts, obtain permits as required for each contract and assure that a final inspection has been performed, maintain job files or other written records of contracts, maintain a service log of all contracts and service calls, and commit no violation of Article 2, Chapter 87 or the Rules of the Board.

HODGE, STANLEY WAYNE, JR. 5/10/01
Knightdale, NC License #17476 H-3-I

Allegations of misconduct in that Respondent was operating under a business name other than the one in which license was issued and abandoned eleven heating installations.

Order issued 9/19/01 revoking the license of Respondent.

HOLLIMAN, DONALD D. 5/10/01
North Wilkesboro, NC License #14186 H-3-II

Allegations of incompetence and peddling license in that Respondent failed to install flashing between brick and unit and instead caulked the unit to the brick wall; failed to seal panning used on return air ducting system to floor joist; failed to properly construct flexible duct joint; failed to seal the supply duct take off fitting connection to the gas package unit; failed to label the copper gas line in the crawlspace; failed to repair a rip in the vapor barrier; failed to use a connecting sleeve when connecting two pieces of flexible ducts; used UL-181B-FX tape on duct board which requires use of UL-181AP tape; aided and abetted contracting by an unlicensed contractor, improperly installed return air duct causing it to be restricted; removed the casing from the coil and installed it in the ductwork; installed the cooling coil in a manner where a portion of the coil is not in the direct air flow from gas furnace; installed metal straps of a dissimilar metal against copper gas line; failed to paint the black iron gas piping located outside; failed to properly support the outside pad supporting the condensing unit; failed to install a two pound gas regulator for the gas furnace; and failed to test the gas piping.

A Final Order was entered by the Board on 9/11/01 suspending the license of the Respondent for 6 months and cautioning him against subcontracting from unlicensed companies or individuals.

HUDSON, NEEL

4/26/01

d/b/a Hudson Plumbing & Drain Service

Connellys Spring, NC

Allegations of heating contracting without a license. Permanent injunction entered 8/15/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

JONES, TIMOTHY JULIUS

3/12/01

Waynesville, NC

License #11910 H-3-I

Allegations of misconduct and incompetence in the business of heating contracting in that Respondent failed to obtain a permit in violation of the North Carolina State Building Code; failed to obtain a final inspection and put the systems in operation prior to receiving a certificate of compliance; failed to sleeve the freon line set where it enters the foundation; failed to center the condensing units on the concrete pad; failed to install two return grills in offices in a central location; failed to seal sheet metal joints on return boxes; located the sheet metal return boxes at the return air grills in a non conditioned area; failed to insulate the sheet metal return boxes; failed to install a float switch or pan drain to serve the emergency pan installed under the air handler; installed several flexible ducts with sags greater than allowed by the manufacturer and with excessive duct; used improper width hangers to support the flexible ducts; installed improper flexible duct joints on flexible ducts; failed to seal the take-off fitting at connection to supply plenum and return air boxes; failed to install a condensate drain from the cooling coil; failed to seal the sheet metal joint between the new transition fitting and the existing supply duct; abandoned the job site, installed the gas furnace and ductwork horizontally in front of the electrical panel; failed to seal the new sheet metal return air duct joints installed on the back of the gas furnace; installed the "A" coil without a drain pan; failed to use 1.5" wide strapping to support the flexible return air ducts located at the unit; failed to properly construct the return air flexible ducts located at the unit; installed a duct straight from the horizontal trunk and tied it straight into the plenum without an offset; failed to obtain a permit; put the system in operation prior to receiving a certificate of compliance; failed to seal the take-off fitting at connection to supply plenum and return air boxes; failed to seal the return air floor joint panning; failed to insulate the supply boots located in the non-conditioned attic; failed to install a disconnect at the outside condensing unit; and cut a 2" x 4" vertical load bearing stud in order to install a wall supply boot without making any repairs to the stud.

Order entered by the Board on 9/4/01 revoking the license of Respondent.

KEENE, JAMES DARREN

12/20/00

Weaverville, NC

License #21598 H-3-I

Allegations of misconduct in the business of heating contracting in that Respondent was doing business in a name other than that in which the license is registered; permitted use of his license on at least 24 installations, in connection with acquisition of permits for performance of contracts even though Respondent was not a party to the contracts; and failed to provide the supervision required by the Board Rules.

Order entered by the Board on 9/4/01 revoking the license of Respondent.

LEE, BARRY SCOTT

Raleigh, NC

4/26/01

d/b/a Barry's Electrical and Remodeling Company

Allegations of plumbing contracting without a license. Permanent injunction entered 8/24/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

LOCKLEAR, TERRY MICHAEL

Matthews, NC

4/26/01

Allegations of heating contracting without a license. Summons and Complaint filed 6/07/01.

Permanent injunction entered 8/14/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

McELRATH, WAYNE

Fairview, NC

4/26/01

Allegations of plumbing contracting without a license. Permanent injunction entered 8/20/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

MONTGOMERY, DONALD

Kernersville, NC

2/23/01

Allegations of plumbing contracting without a license. Permanent injunction entered 10/01/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

REED, WILLIE d/b/a REED'S PLUMBING COMPANY

Raleigh, NC

Allegations of plumbing contracting without a license in violation of prior Order of the Court.

Contempt hearing scheduled for 3/26/01.

Amended Order of Contempt filed 6/15/01 finding the Defendant in contempt of the prior order of the court and sentencing him to be confined to the Wake county jail for 29 days.

ROBERTSON, JERRY

Scotland Neck, NC

7/9/01

Allegations of plumbing contracting without a license. Permanent injunction entered 9/19/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

SHAW, REGINALD LAMONT

SHAW RESIDENTIAL & COMMERCIAL MAINTENANCE

Durham, NC

Allegations of plumbing contracting without a license in violation of prior Order of the Court.

Order of Contempt filed 5/22/01 finding the Defendant in contempt of the prior order of the court and fining him the amount of \$500.00 and sentencing him to be confined to the Wilson county jail for 10 days.

STRATTON, DANNY

Murphy, NC

4/26/01

Allegations of heating contracting without a license. Permanent injunction entered 8/22/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

TALBERT, LARRY WAYNE

2/26/01

Albemarle, NC

License #14247 H-3-I

Allegations of incompetence in the business of heating contracting in that Respondent installed 12" diameter flex duct for a 2-ton unit which requires a 14" diameter duct; failed to seal and insulate return box; failed to seal take-off collar; failed to insulate a register boot behind the wall; failed to seal duct work joints according to code; installed flexible duct work which radius did not meet the requirements of the Air Diffusion Counsel recommendations; used strap hanger supports of 1" width instead of the required 1½" width; abandoned the installation and contracted in a name other than that in which license is listed.

Order entered by the Board on 7/10/01 suspending the license of Respondent for a period of one year. Such suspension is to begin upon renewal of license by Respondent.

WALSTON, RUDOLPH

Wilson, NC

1/18/01

Allegations of plumbing contracting without a license and in violation of a prior order of the Court. Order of Contempt and Order of Arrest issued on 9/20/01 finding the Defendant in contempt of the prior order of the court and ordering him confined to the Wilson County Jail for a period of 18 days.

WINFREE, DAVID

Fayetteville, NC

4/25/01

Allegations of heating contracting without a license.

Permanent injunction entered 9/10/01 enjoining Defendant from engaging in business as a plumbing, heating or fire sprinkler contractor.

**STATE BOARD OF EXAMINERS OF PLUMBING,
HEATING AND FIRE SPRINKLER CONTRACTORS**
3801 Wake Forest Road, Suite 201
Raleigh, North Carolina 27609
(919) 875-3612 FAX (919) 875-3616

APPLICATION FOR CHANGE OF TRADE NAME TO A CORPORATION

1. My license number is _____
2. My name is _____
(Last) (First) (Middle)
3. My social security number is _____
4. My personal **mailing** address is:

(PO Box or Street) (City) (State) (Zip)
5. My personal **physical** address is:

(Street) (City) (State) (Zip)
6. My personal telephone number is: _____
(Area Code) (Telephone Number)
7. The name of the corporation _____ which is a
(as it appears on the Articles of Incorporation or Certificate of Authority)
corporation registered in the state _____. The registered agent for the corporation is
_____. I attach to this application a copy of the first page of the
corporation's Articles of Incorporation or Certificate of Authority as issued by the North Carolina Secretary of State's office.
The corporate officers are:
President _____; Vice President _____
Secretary _____ and Treasurer _____
and I will be _____ of the firm.
(Chairman, President, Vice President, Secretary, Treasurer or Full Time Employee).
8. Business mailing address

(Street) (City) (State) (Zip)
9. Business physical address

(Street) (City) (State) (Zip)
10. Business telephone number _____ /Federal Tax ID No. _____
(Area Code) (Telephone Number)
11. Business fax number _____
(Area Code) (FAX Number)

Licensee Signature

Sworn to and subscribed before me this _____ day of _____ 20____

(Seal)

(Notary Public)

My Commission Expires _____

THIS SECTION TO BE COMPLETED BY AN OFFICER OF THE CORPORATION IF THE LICENSEE IS NOT AN OFFICER.

I, _____, being duly sworn, say and despose:
(Officer of the Corporation)

_____ is a full time employee of
(Licensee's Name)

_____ of which I am an officer in the firm and I am aware that
(Name of the Corporation)

_____ shall execute all contracts to the extent of his qualifications
(Licensee's Name)

and further that _____ shall not authorize permits to be obtained or allow his
(Licensee's Name)

license number to appear on permits except for work over which he will provide general supervision until the completion of the work.

(Officer of Corporation)

Sworn to and subscribed before me this _____ day of _____, 20____

(Seal)

(Notary Public)

My Commission Expires _____

Understanding The New Licensing Renewal Laws

For many years licensees have struggled to understand the Board's rules when paying for a late renewal or deciding whether they needed a statewide or limited license. This year the General Assembly enacted several changes to simplify and update both the fees and the process. We are hopeful that these changes will be easier for the licensee and eliminate the need for us to send so many renewals back to the licensees. The old ways were costly in time and money for both the licensees and the Board staff.

All of the Board's fee programs are increased under Chapter 87 Article 22 in the General Statute. As of the ratification of the changes, July 6, 2001 all license fees in our state, with the exception of Fire Sprinkler contractors (which by statute is higher), will be \$100.00. This fee change includes those of you who have lived and worked in areas of less than 10,000 in population and paid a lesser amount to renew. Every licensee, regardless of where you live or work will pay \$100.00 to renew.

Several years ago the General Assembly enacted a law that required a licensee that failed to renew their license over a three-year calendar period lose his/her license. Some licensees chose to use this statute to avoid paying fees but continued to work in the trade as though licensed. They would pay the fee once every three years and technically stay current. This method has led to mass confusion. Many people lost their license because they lost track of the three years and were disappointed and upset. This week several licensees called the office thinking it was now time to renew only to find out that they were no longer licensed. One of those licensees in his frustration mentioned that he has bids out and had to have his license. His only alternative is to take the examination—not something he wants to do. Also as a reminder—he shouldn't have been bidding on an expired license.

Legislation this year enables the Board to require payment of all unpaid annual fees from preceding years prior to reissuing a license. To eliminate some of the problems with licensing and renewals all licensees will pay yearly or pay the total amount including past years if they fail to renew on a yearly basis. Remember if you accidentally fail to renew the third year your license becomes non-renewable and you have to take the exam. The exams are getting tougher and several of the licensees that have found themselves in this position have actually failed their exams.

Our present fee structure will now require that you pay for all past years when you renew, we will not have to sign a notarized statements, but you will be charged a \$25.00 handling fee for paying after January 31st.

It is the Board's desire to make things simpler when paying fees and with these changes, we believe that is now possible. If you have any questions about the status of your license or think you'd better renew ASAP in order to not lose your license please call this office. 919/875-3612

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

1

AMERICAN FIRE SPRINKLER ASSOCIATION								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
2/18/02	NFPA 13, 1999 Edition – Chapters 1-3	8:00am	FS	2	S. Scandaliato	Charlotte	Tom Waller	336-885-5007
2/18/02	NFPA 13, 1999 Edition – Chapter 4	10:00am	FS	2				
2/18/02	NFPA 13, 1999 Edition – Chapter 5	1:00pm	FS	2				
2/18/02	NFPA 13, 1999 Edition – Chapter 5	3:00pm	FS	2				
2/19/02	NFPA 13, 1999 Edition – Chapters 6-7	8:00am	FS	2	S. Scandaliato	Charlotte	Tom Waller	336-885-5007
2/19/02	NFPA 13, 1999 Edition – Chapters 8-10	10:00am	FS	2				
2/19/02	NFPA 13, 1999 Edition – Chapters 11-12	1:00pm	FS	2				
2/19/02	NFPA 13, 1999 - Appendices	3:00pm	FS	2				
2/20/02	NFPA 25, 1998 Edition Chapters 1-2	8:00am	FS	2	S. Scandaliato	Charlotte	Tom Waller	336-885-5007
2/20/02	NFPA 25, 1998 Edition Chapters 3-6	10:00am	FS	2				
2/20/02	NFPA 25, 1998 Edition Chapters 7-8	1:00pm	FS	2				
2/20/02	NFPA 25, 1998 Edition Chapters 9 - Appendices	3:00pm	FS	2				
2/21/02	Plan Review – Analysis, Construction Type, Sprinkler & Space location	8:00am	FS	2	S. Scandaliato	Charlotte	Tom Waller	336-885-5007
2/21/02	Plan Review – Site Plan, Riser & Valve Arrangements, Remote Area Selection	10:00am	FS	2				
2/21/02	Plan Review – Verify Design Density & Total Water Requirements	1:00pm	FS	2				
2/21/02	Plan Review – Read & Verify Hydraulic Work Sheets	3:00pm	FS	2				
2/22/02	Seismic Protection – Review Requirements of NFPA 13 – Both 1996 & 1999 Editions	8:00am	FS	2	S. Scandaliato	Charlotte	Tom Waller	336-885-5007
2/22/02	Seismic Protection – Separation Assemblies, Couplings, Clearance, Sway Bracing, Available Hanger & Fasteners	10:00am	FS	2				
2/22/02	Seismic Protection – Exercises in Actual Layout & Component Sizing Calculations	1:00pm	FS	2				
2/22/02	Seismic Protection – Review Issues That Vary Geographically from Region to Region	3:00pm	FS	2				
ASHEVILLE – BUNCOMBE TECHNICAL COMMUNITY COLLEGE								
1/08/02	Intro to the New Int'l. Mechanical Code-Chapters 1,2, & 3	6:00pm	All-H	2	F. McKenzie	Asheville	Skye Myrick	828-254-1921
2/12/02	Permitting Process and Licensing	6:00pm	All	2	F. McKenzie	Asheville		
3/12/02	Intro to the New Int'l. Mechanical Code-Chapters 4&5	6:00pm	All-H	2	F. McKenzie	Asheville		
4/09/02	Intro to the New Int'l. Mechanical Code-Chapter 6 w/ Demonstration of Tape and Mastic	6:00pm	All-H	2	F. McKenzie	Asheville		
5/14/02	Intro to the New Int'l. Mechanical Code-Chapter 7 w/ Demonstration on Combustion Air	6:00pm	All-H	2	F. McKenzie	Asheville		
6/11/02	Intro to the New Int'l. Mechanical Code-Chapters 8 & 9	6:00pm	All-H	2	F. McKenzie	Asheville		

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

2

CAROLINAS AGC								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
1/07/02	OSHA Excavating & Trenching Introduction	7:30am	All	2	P. McCain	Goldsboro	Ginny Bigham	704-372-1450
1/07/02	OSHA Excavating & Trenching Overview	9:30am	All	2				Ext. 5248
1/07/02	OSHA Excavating & Trenching Awareness	12:30pm	All	2				
1/07/02	OSHA Excavating & Trenching Scope Apps	2:30pm	All	2				
1/14/02	OSHA Excavating & Trenching Introduction	7:30am	All	2	P. McCain	Mount Airy	Ginny Bigham	704-372-1450
1/14/02	OSHA Excavating & Trenching Overview	9:30am	All	2				Ext. 5248
1/14/02	OSHA Excavating & Trenching Awareness	12:30pm	All	2				
1/14/02	OSHA Excavating & Trenching Scope Apps	2:30pm	All	2				
1/18/02	OSHA 10-Hour Safety Awareness	7:30am	All	2	P. McCain	Raleigh	Ginny Bigham	704-372-1450
1/18/02	OSHA 10-Hour Safety Fall & Electric	9:30am	All	2				Ext. 5248
1/18/02	OSHA 10-Hour Safety Subparts P, X, Q, & R	12:30pm	All	2				
1/18/02	OSHA 10-Hour Safety Subparts I, L, & J	2:30pm	All	2				
1/18/02	OSHA 10-Hour Safety Subparts E, F, & H	4:30pm	All	2				
2/04/02	OSHA Excavating & Trenching Introduction	7:30am	All	2	P. McCain	Florence, SC	Ginny Bigham	704-372-1450
2/04/02	OSHA Excavating & Trenching Overview	9:30am	All	2				Ext. 5248
2/04/02	OSHA Excavating & Trenching Awareness	12:30pm	All	2				
2/04/02	OSHA Excavating & Trenching Scope Apps	2:30pm	All	2				
2/11/02	OSHA 10-Hour Safety Awareness	7:30am	All	2	P. McCain	Charlotte	Ginny Bigham	704-372-1450
2/11/02	OSHA 10-Hour Safety Fall & Electric	9:30am	All	2				Ext. 5248
2/11/02	OSHA 10-Hour Safety Subparts P, X, Q, & R	12:30pm	All	2				
2/11/02	OSHA 10-Hour Safety Subparts I, L, & J	2:30pm	All	2				
2/11/02	OSHA 10-Hour Safety Subparts E, F, & H	4:30pm	All	2				
2/18/02	OSHA Excavating & Trenching Introduction	7:30am	All	2	P. McCain	Charlotte	Ginny Bigham	704-372-1450
2/18/02	OSHA Excavating & Trenching Overview	9:30am	All	2				Ext. 5248
2/18/02	OSHA Excavating & Trenching Awareness	12:30pm	All	2				
2/18/02	OSHA Excavating & Trenching, Scope Applications	2:30pm	All	2				
3/18/02	OSHA Excavating & Trenching Introduction	7:30am	All	2	P. McCain	Fayetteville	Ginny Bigham	704-372-1450
3/18/02	OSHA Excavating & Trenching Overview	9:30am	All	2				Ext. 5248
3/18/02	OSHA Excavating & Trenching Awareness	12:30pm	All	2				
3/18/02	OSHA Excavating & Trenching, Scope Applications	2:30pm	All	2				
CAPE FEAR COMMUNITY COLLEGE								
02/02/02	International Fuel Gas Code Chapters 1-3	8:00am	All	2	L. Prince	Wilmington	Melissa Comer	910-251-5881
02/02/02	International Fuel Gas Code Chapter 4	10:00am	All	2				
02/02/02	International Fuel Gas Code Chapters 5 -7 - Appendix	1:00pm	All	2				
04/13/02	International Mechanical Code Chapters 1-4	8:00am	All-H	2	L. Prince	Wilmington	Melissa Comer	910-251-5881
04/13/02	International Mechanical Code Chapters 5-7	10:00am	All-H	2				
04/13/02	International Mechanical Code Chapters 8-15	1:00pm	All-H	2				

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

3

CAPE FEAR COMMUNITY COLLEGE (con't)								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
06/01/02	International Fuel Gas Code Chapters 1-3	8:00am	All	2	L. Prince	Wilmington	Melissa Comer	910-251-5881
06/01/02	International Fuel Gas Code Chapter 4	10:00am	All	2				
06/01/02	International Fuel Gas Code Chapters 5-7 - Appendix	1:00pm	All	2				
CLEVELAND COMMUNITY COLLEGE								
1/22/02	Job Quotes & Estimates	6:00pm	All	2	G. Cox	Shelby	Chris Nanney	704-484-4117
1/29/02	Basics of Centrifugal Pumps	6:00pm	All	2				
2/05/02	New International Plumbing Code Review I	6:00pm	All-P	2	G. Cox			
2/05/02	New International Plumbing Code Review II	8:00pm	All-P	2				
COLLEGE OF ALBEMARLE								
03/02/02	Air Flow Characteristics & Diagnostics Part I	8:00am	H-3-I&II/H-2	2	M. Cartwright	Elizabeth City	F. Horton	252-335-0821
03/02/02	Air Flow Characteristics & Diagnostics Part II	10:15am	H-3-I&II/H-2	2				Ext. 2233
03/02/02	Air Flow Characteristics & Diagnostics Part III	12:30pm	H-3-I&II/H-2	2				
04/13/02	Air Flow Characteristics & Diagnostics Part I	8:00am	H-3-I&II/H-2	2	M. Cartwright	Elizabeth City	F. Horton	252-335-0821
04/13/02	Air Flow Characteristics & Diagnostics Part II	10:15am	H-3-I&II/H-2	2				Ext. 2233
04/13/02	Air Flow Characteristics & Diagnostics Part III	12:30pm	H-3-I&II/H-2	2				
09/07/02	Air Flow Characteristics & Diagnostics Part I	8:00am	H-3-I&II/H-2	2	M. Cartwright	Elizabeth City	F. Horton	252-335-0821
09/07/02	Air Flow Characteristics & Diagnostics Part II	10:15am	H-3-I&II/H-2	2				Ext. 2233
09/07/02	Air Flow Characteristics & Diagnostics Part III	12:30pm	H-3-I&II/H-2	2				
11/02/02	Air Flow Characteristics & Diagnostics Part I	8:00am	H-3-I&II/H-2	2	M. Cartwright	Elizabeth City	F. Horton	252-335-0821
11/02/02	Air Flow Characteristics & Diagnostics Part II	10:15am	H-3-I&II/H-2	2				Ext. 2233
11/02/02	Air Flow Characteristics & Diagnostics Part III	12:30pm	H-3-I&II/H-2	2				
CRAVEN COMMUNITY COLLEGE								
02/23/02	Residential Bldg. Codes for HVAC	8:00am	All-H	2	David Novak	New Bern	Rick McCormac	252-638-7361
02/23/02	HVAC Design-Equip. Selection, Duct Layout & Sizing	10:00am	All-H	2				
02/23/02	HVAC Installation-Requirements, Techniques, Duct Sealing	1:00pm	All-H	2				
04/13/02	Indoor Air Quality	8:00am	All-H	2	David Novak	New Bern	Rick McCormac	252-638-7361
04/13/02	Finding Problems - Testing, Handling, & Investigating Complaints & Identifying Moisture Problems	10:00am	All-H	2				
04/13/02	Problem Solutions - Impact of Mechanical Ventilation, Building & Duct Pressures	1:00pm	All-H	2				
FORSYTH COMMUNITY COLLEGE								
02/16/02	OSHA - Basic Safety Overview	9:00am	All	2	T. Stewart	Winston-Salem	Anne Hennis	336-734-7732
02/16/02	OSHA-Trenching & Excavation	12:00pm	All	2				
02/16/02	OSHA-Protective Equipment for Safety	2:00pm	All	2				
HALIFAX COMMUNITY COLLEGE								
3/16/02	Workplace Safety for Plumbing Contractors	9:00am	All	2	K. Kupietz	Weldon	Willa Dickens	252-536-7274
3/16/02	Confined Space Entry	11:00am	All	2				
3/16/02	Trench Operations	2:00pm	All	2				

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

4

NOLAN COMPANY								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
1/21/02	Intro. Understanding Basic Airflow Characteristics	9:00am	All - H	2	D. Garceau	Elizabeth City	Joel Key	800-446-8960
1/21/02	Air Velocity vs. Air Volume & Duct Size, CFM Measurement	11:00am	All - H	2				
1/21/02	Air Volume Levels & Measurements, Air Systems & Basic Application Theory, Interactive Diagnostic Problems	1:00pm	All - H	2				
2/18/02	Refrigerant Differences & Safety, Mechanical Compression	9:00am	All - H	2	D. Garceau	Raleigh	Joel Key	800-446-8960
2/18/02	Evaporator Circuit	11:00am	All - H	2				
2/18/02	Condenser Circuit, Proper Charging Procedures, Interactive Diagnostic Problems/Troubleshooting	1:00pm	All - H	2				
2/19/02	Refrigerant Differences & Safety, Mechanical Compression	9:00am	All - H	2	D. Garceau	Winston-Salem	Joel Key	800-446-8960
2/19/02	Evaporator Circuit	11:00am	All - H	2				
2/19/02	Condenser Circuit, Proper Charging Procedures, Interactive Diagnostic Problems/Troubleshooting	1:00pm	All - H	2				
3/12/02	Refrigerant Differences & Safety, Mechanical Compression	9:00am	All - H	2	D. Garceau	Kinston	Joel Key	800-446-8960
3/12/02	Evaporator Circuit	11:00am	All - H	2				
3/12/02	Condenser Circuit, Proper Charging Procedures, Interactive Diagnostic Problems/Troubleshooting	1:00pm	All - H	2				
3/13/02	Refrigerant Differences & Safety, Mechanical Compression	9:00am	All - H	2	D. Garceau	Fayetteville	Joel Key	800-446-8960
3/13/02	Evaporator Circuit	11:00am	All - H	2				
3/13/02	Condenser Circuit, Proper Charging Procedures, Interactive Diagnostic Problems/Troubleshooting	1:00pm	All - H	2				
3/18/02	Refrigerant Differences & Safety, Mechanical Compression	9:00am	All - H	2	D. Garceau	Elizabeth City	Joel Key	800-446-8960
3/18/02	Evaporator Circuit	11:00am	All - H	2				
3/18/02	Condenser Circuit, Proper Charging Procedures, Interactive Diagnostic Problems/Troubleshooting	1:00pm	All - H	2				
NASH COMMUNITY COLLEGE								
2/16/02	Handicapped Code Vol. I-C/Water Closets, Lavatories, Water Coolers, Clearances, & etc.	8:00am	All-P	2	H. Threatt	Rocky Mount	Larry Mitchell	252-443-4011
2/16/02	International Plumbing Overview Vol. II	10:00am	All-P	2				Ext. 224
2/16/02	International Residential Code Vol. VII Gas Piping	1:00pm	All-P	2				
NORTH CAROLINA ASSOCIATION OF PLUMBING, HEATING, COOLING CONTRACTORS – NCAPHCC								
1/12/02	New International Plumbing Code Review –I	9:00am	All-P	2	D. Sommers	Ahoskie	Dianne Gulli	877-742-2423
1/12/02	New International Plumbing Code Review –II	12:00pm	All-P	2	D. Sommers			
1/12/02	Properly Insuring Your Plumbing Business	2:30pm	All-P	2	M. Bozoki			
1/12/02	Properly Insuring Your Plumbing Business	9:00am	All-H	2	M. Bozoki			
1/12/02	Troubleshooting Air Flow Problems -I	12:00pm	All-H	2	T. Stoner			
1/12/02	Troubleshooting Air Flow Problems –II	2:30pm	All-H	2	T. Stoner			
1/26/02	International Plumbing Code Review -I	9:00am	All-P	2	D. Sommers	Flat Rock	Dianne Gulli	877-742-2423
1/26/02	International Plumbing Code Review –II	12:00pm	All-P	2	D. Sommers			
1/26/02	Designating a Risk Manager in Your Company	2:30pm	All	2	M. Bozoki			
1/26/02	Designating a Risk Manager in Your Company	9:00am	All	2	M. Bozoki			

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

5

NCAPHCC (con't)

DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
1/26/02	Advanced Gas Pipe Sizing	12:00pm	All	2	L. Capps			
1/26/02	Combustion and Ventilation Air	2:30pm	H-1/H-2	2	L. Capps			
2/09/02	International Plumbing Code Review –I	9:00am	All-P	2	D. Sommers	Wilmington	Dianne Gulli	877-742-2423
2/09/02	International Plumbing Code Review –II	12:00pm	All-P	2	D. Sommers			
2/09/02	Properly Insuring Your Plumbing Business	2:30pm	All-P	2	M. Bozoki			
2/09/02	Hydronics Review	9:00am	All-H	2	JM Pleasants			
2/09/02	Pump System Balancing	12:00pm	All-H	2	JM Pleasants			
2/09/02	Modern Pump Application & Maintenance	2:30pm	All-H	2	JM Pleasants			
2/23/02	International Plumbing Code Review –I	9:00am	All-P	2	J. Voss	Nags Head	Dianne Gulli	877-742-2423
2/23/02	International Plumbing Code Review –II	12:00pm	All-P	2	J. Voss			
2/23/02	ABC's of Customer Communication	2:30pm	All	2	T. Stoner			
2/23/02	Troubleshooting Air Flow Problems	9:00am	All-H	2	T. Stoner			
2/23/02	Troubleshooting Air Flow Problems	12:00pm	All-H	2	T. Stoner			
2/23/02	Combustion and Ventilation Air	2:30pm	H-1/H-2	2	M. Bozoki			
3/14/02	International Plumbing Code Review –I	9:00am	All-P	2	D. Sommers	Greensboro	Dianne Gulli	877-742-2423
3/14/02	International Plumbing Code Review –II	12:00pm	All-P	2	D. Sommers			
3/14/02	Domestic Water Temp. Maintenance and T&P Valves	2:30pm	P-1	2	JM Pleasants			
3/14/02	Pump System Balancing	9:00am	All-H	2	JM Pleasants			
3/14/02	Modern Pump Application & Maintenance	12:00pm	All-H	2	JM Pleasants			
3/14/02	Combustion and Ventilation Air	2:30pm	H-1/H-2	2	M. Bozoki			
3/23/02	International Plumbing Code Review –I	9:00am	All-P	2	D. Sommers	Fayetteville	Dianne Gulli	877-742-2423
3/23/02	International Plumbing Code Review –II	12:00pm	All-P	2	D. Sommers			
3/23/02	Basics of Pump Sizing	2:30pm	All	2	J. Mullins			
3/23/02	6 Deadly Sins for HVAC Contractors & How to Prevent Them	9:00am	All-H	2	T. Stoner			
3/23/02	Troubleshooting Air Flow Problems –I	12:00pm	All-H	2	T. Stoner			
3/23/02	Troubleshooting Air Flow Problems -II	2:30pm	All-H	2	T. Stoner			
4/06/02	International Plumbing Code Review I	9:00am	All-P	2	D. Sommers	Rocky Mount	Dianne Gulli	877-742-2423
4/06/02	International Plumbing Code Review II	12:00pm	All-P	2	D. Sommers			
4/06/02	Designating a Risk Manager in Your Company	2:30pm	All	2	M. Bozoki			
4/06/02	6 Deadly Sins for HVAC Contractors & How to Prevent Them	9:00am	All-H	2	T. Stoner			
4/06/02	Troubleshooting Air Flow Problems – I	12:00pm	All-H	2	T. Stoner			
4/06/02	Troubleshooting Air Flow Problems – II	2:30pm	All-H	2	T. Stoner			
4/20/02	International Plumbing Code Review I	9:00am	All-P	2	D. Sommers	Hickory	Dianne Gulli	877-742-2423
4/20/02	International Plumbing Code Review II	12:00pm	All-P	2	D. Sommers			
4/20/02	Gas Boilers & Water Heaters-Efficiency Testing Methods	2:30pm	All	2	B. Payne			
4/20/02	Hydronics Review	9:00am	All-H	2	JM Pleasants			
4/20/02	Pump System Balancing	12:00pm	All-H	2	JM Pleasants			
4/20/02	Modern Pump Application & Maintenance	2:30pm	All-H	2	JM Pleasants			

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

6

NCAPHCC (con't)								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
5/04/02	International Plumbing Code Review I	9:00am	All-P	2	D. Sommers	Albemarle	Dianne Gulli	877-742-2423
5/04/02	International Plumbing Code Review II	12:00pm	All-P	2	D. Sommers			
5/04/02	Pressure Booster Systems Review	2:30pm	P-I	2	JM Pleasants			
5/04/02	Hydronics Review	9:00am	All-H	2	JM Pleasants			
5/04/02	Pump System Balancing	12:00pm	All-H	2	JM Pleasants			
5/04/02	Combustion and Ventilation Air	2:30pm	H-1/H-2	2	M. Bozoki			
5/11/02	International Plumbing Code Review I	9:00am	All-P	2	D. Sommers	Raleigh	Dianne Gulli	877-742-2423
5/11/02	International Plumbing Code Review II	12:00pm	All-P	2	D. Sommers			
5/11/02	Advanced Gas Pipe Sizing	2:30pm	All	2	L. Capps			
5/11/02	6 Deadly Sins for HVAC Contractors & How to Prevent Them	9:00am	All-H	2	T. Stoner			
5/11/02	Troubleshooting Air Flow Problems – I	12:00pm	All-H	2	T. Stoner			
5/11/02	Troubleshooting Air Flow Problems – I	2:30pm	All-H	2	T. Stoner			
6/08/02	International Plumbing Code Review -I	9:00am	All-P	2	D. Sommers	Winston-Salem	Dianne Gulli	877-742-2423
6/08/02	International Plumbing Code Review -II	12:00pm	All-P	2	D. Sommers			
6/08/02	Basics of Water Treatment	2:30pm	P-I	2	J. Mullins			
6/08/02	Gas Boilers & Water Heaters-Efficiency Testing Methods	9:00am	H-1, P-1	2	B. Payne			
6/08/02	Installation & Startup of Centrifugal Pumps	12:00pm	H-2, H-1	2	B. Payne			
NORTH CAROLINA HEATING & AIR CONDITIONING CONTRACTORS NCHACC								
1/12/02	Contract Pitfalls, Liens, and Collections	8:00am	All	2	P. Safran	Asheville	Rae Helms	704-567-9374
1/12/02	Major OSHA Issues & Personnel Matters	10:00am	All	2				
1/12/02	Establishing a Safety Program & Safety Issues	1:00pm	All	2				
1/19/02	Contract Pitfalls, Liens, and Collections	8:00am	All	2	T. Fitzgerald	Greenville	Rae Helms	704-567-9374
1/19/02	Major OSHA Issues & Personnel Matters	10:00am	All	2				
1/19/02	Establishing a Safety Program & Safety Issues	1:00pm	All	2				
2/01/02	Residential Indoor Air Filtering	8:00am	H-3-I&II	2	R. McKinnon	Greensboro	Rae Helms	704-567-9374
2/01/02	UV Light Treatment of the Return Air & etc.	10:00am	H-3-I&II	2				
2/01/02	Elec. Zoning Control Overview	1:00pm	H-1, H-2, H-3	2				
2/08/02	What You Should Know About Family Business	9:00am	All	2	W. Rivers	Durham	Rae Helms	704-567-9374
2/08/02	Managing Conflicts in the Family Business	11:00am	All	2				
2/08/02	12 Steps to Successful Succession Wealth & Gifting	2:00pm	All	2				
2/09/02	How to Use Microsoft Outlook	8:00am	All	2	B. Scott	Durham	Rae Helms	704-567-9374
2/09/02	Intro to Microsoft Front Page & Web Page Design	10:00am	All	2				
2/09/02	Networks-What are the Advantages & How They Work	1:00pm	All	2				
2/23/02	Residential Indoor Air Filtering	8:00am	H-3	2	R. McKinnon	Charlotte	Rae Helms	704-567-9374
2/23/02	UV Light Treatment of the Return Air & etc.	10:00am	H-3	2				
2/23/02	Elec. Zoning Control Overview	12:00pm	H-1, H-2, H-3	2				

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

7

NCHACC (con't)								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
4/19/02	Highlights of the International Fuel Gas Code	12:30pm	All	2	L. Prince	Wilmington	Rae Helms	704-567-9374
4/19/02	Education & Training Make Better Contractors	3:00pm	All	2	L. Prince			
4/19/02	Claims & Claims Avoidance/Major OSHA Issues	12:30pm	All	2	P. Safran			
4/19/02	Project Scheduling Made Simple	3:00pm	ALL	2	P. Safran			
4/20/02	ACCA Manual J Review/Heat Loss & Heat Gain	8:00am	H-1, H-3	2	L. Cooley	Wilmington	Rae Helms	704-567-9374
4/20/02	ACCA Manual D Review-Air Distribution Basics	10:00am	H-3	2	L. Cooley			
4/20/02	Comfort Design-Residential & Light Commercial	12:00pm	H-2, H-3	2	L. Cooley			
4/20/02	Highlights of the International Mechanical Code #1	8:00am	All-H	2	L. Prince			
4/20/02	Highlights of the International Mechanical Code #2	10:00am	All-H	2	L. Prince			
4/20/02	Highlights of the International Mechanical Code #3	12:00pm	All-H	2	L. Prince			
4/20/02	Accounting for Contractors/Internal & Tax Reporting	8:00am	All	2	E. Strange			
4/20/02	Accounting for Contractors – External Reporting	10:00am	All	2	E. Strange			
5/07/02	What You Should Know About Family Business	9:00am	All	2	T. Campbell	Fayetteville	Rae Helms	704-567-9374
5/07/02	Managing Conflicts in the Family Business	11:00am	All	2				
5/07/02	12 Steps to Successful Succession Wealth & Gifting	2:00pm	All	2				
6/22/02	ACCA Manual J Review/Heat Loss & Heat Gain	8:00am	H-1, H-3	2	L. Cooley	Hickory	Rae Helms	704-567-9374
6/22/02	ACCA Manual D Review-Air Distribution Basics	10:00am	H-1, H-3	2				
6/22/02	Comfort Design-Residential & Light Commercial	12:00pm	H-2, H-3	2				
NC PETROLEUM MARKETERS ASSOCIATION								
4/29/02	Comfort Principles & Oil Heating System	8:00am	All-H	2	T. Laughlin	Raleigh	Tim Laughlin	919-782-4411
4/29/02	Fuel Pumps; Principles, Capacities, Testing, & etc.	10:00am	All-H	2				
4/29/02	Primary Controls, Heat Sensing, Starting & Running Controls	1:00pm	All-H	2				
4/29/02	Combustion Test Practice	3:00pm	All-H	2				
NORTH CAROLINA PROPANE GAS ASSOCIATION								
1/15/02	LP Gas Piping	9:30am	All	2	M. Boggs	Fayetteville	Michael Boggs	919-787-8485
1/15/02	LP-Gas Appliance Installation	1:00pm	All	2				
2/06/02	LP Gas Piping	9:30am	All	2	M. Boggs	Tarboro	Michael Boggs	919-787-8485
2/06/02	LP-Gas Appliance Installation	1:00pm	All	2				
3/06/02	LP Gas Piping	9:30am	All	2	S. Ward	Lexington	Michael Boggs	919-787-8485
3/06/02	LP-Gas Appliance Installation	1:00pm	All	2				
4/24/02	LP Gas Piping	9:30am	All	2	S. Ward	Asheville	Michael Boggs	919-787-8485
4/24/02	LP-Gas Appliance Installation	1:00pm	All	2				
NORTH CAROLINA PROFESSIONAL PLUMBERS ASSOCIATION (NCPA)								
01/19/02	Business Law-Contract, Liens, & Bonds	8:00am	All	2	D. Chapin	Wilmington	Sandy Loflin	800-231-6764
01/19/02	New International Fuel Gas Piping	8:30am	All	2	L. Prince			
01/19/02	OSHA - Trenching	10:15am	All	2	R. Wilce			
01/19/02	New International Plumbing Code	10:30am	All-P	2	R. Hardee			

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

8

NCPPA (con't)								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
01/19/02	New International Plumbing Code	1:30pm	All-P	2	G. Harvell	Wilmington	Sandy Loflin	800-231-6764
01/19/02	Ethics in the Workplace	2:00pm	All	2	L. Prince			
02/15/02	Business Law-Contract, Liens, & Bonds	8:00am	All	2	D. Chapin	Durham	Sandy Loflin	800-231-6764
02/15/02	New International Fuel Gas Piping	8:30am	All	2	L. Prince			
02/15/02	OSHA - Trenching	10:15am	All	2	R. Wilce			
02/15/02	New International Plumbing Code	10:30am	All-P	2	R. Hardee			
02/15/02	New International Plumbing Code	1:30pm	All-P	2	G. Harvell			
02/15/02	Administrative Code Review	2:00pm	All	2	A. White			
02/16/02	Business Law-Contract, Liens, & Bonds	8:00am	All	2	D. Chapin	Durham	Sandy Loflin	800-231-6764
02/16/02	New International Fuel Gas Piping	8:30am	All	2	L. Prince			
02/16/02	OSHA - Trenching	10:15am	All	2	R. Wilce			
02/16/02	New International Plumbing Code	10:30am	All-P	2	R. Hardee			
02/16/02	New International Plumbing Code	1:30pm	All-P	2	G. Harvell			
02/16/02	Administrative Code Review	2:00pm	All	2	A. White			
03/15/02	Business Law-Contract, Liens, & Bonds	8:00am	All	2	D. Chapin	Charlotte	Sandy Loflin	800-231-6764
03/15/02	New International Fuel Gas Piping	8:30am	All	2	G. Harvell			
03/15/02	OSHA - Trenching	10:15am	All	2	R. Wilce			
03/15/02	New International Plumbing Code	10:30am	All-P	2	R. Hardee			
03/15/02	New International Plumbing Code	1:30pm	All-P	2	G. Harvell			
03/15/02	Administrative Code Review	2:00pm	All	2	A. White			
03/16/02	Business Law-Contract, Liens, & Bonds	8:00am	All	2	D. Chapin	Charlotte	Sandy Loflin	800-231-6764
03/16/02	New International Fuel Gas Piping	8:30am	All	2	G. Harvell			
03/16/02	OSHA - Trenching	10:15am	All	2	R. Wilce			
03/16/02	New International Plumbing Code	10:30am	All-P	2	R. Hardee			
03/16/02	New International Plumbing Code	1:30pm	All-P	2	G. Harvell			
03/16/02	Administrative Code Review	2:00pm	All	2	A. White			
05/06/02	Business Law-Contract, Liens, & Bonds	8:00am	All	2	D. Chapin	Hickory	Sandy Loflin	800-231-6764
05/06/02	New International Fuel Gas Piping	8:30am	All	2	G. Harvell			
05/06/02	OSHA - Trenching	10:15am	All	2	R. Wilce			
05/06/02	New International Plumbing Code	10:30am	All-P	2	R. Hardee			
05/06/02	New International Plumbing Code	1:30pm	All-P	2	R. Hardee			
05/06/02	Administrative Code Review	2:00pm	All	2	A. White			

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

9

NCPPA (con't)

DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
05/18/02	Business Law-Contract, Liens, & Bonds	8:00am	All	2	D. Chapin	Burlington	Sandy Loflin	800-231-6764
05/18/02	New International Fuel Gas Piping	8:30am	All	2	L. Prince			
05/18/02	OSHA - Trenching	10:15am	All	2	R. Wilce			
05/18/02	New International Plumbing Code	10:30am	All-P	2	R. Hardee			
05/18/02	New International Plumbing Code	1:30pm	All-P	2	R. Hardee			
05/18/02	Administrative Code Review	2:00pm	All	2	A. White			
06/22/02	New International Fuel Gas Piping	8:00am	All	2	L. Prince	Elizabeth City	Sandy Loflin	800-231-6764
06/22/02	New International Plumbing Code	1:30am	All-P	2	R. Hardee			
06/22/02	OSHA - Trenching	10:15am	All	2	R. Wilce			

ROCKINGHAM COMMUNITY COLLEGE

3/9/02	Basic Refrigeration Cycle/4 Basic Components	9:00am	H-2/H-3	2	E. Sigmon	Wentworth	Anne S. Lanning	336-342-4261
3/9/02	Condenser Functions/Evaporator & Compressor Functions	11:00am	H-2/H-3	2				Ext. 2145
3/9/02	Design Conditions: High / Low Outdoor Ambient Temperature	2:00pm	H-2/H-3	2				

SOUTHEASTERN COMMUNITY COLLEGE

1/26/02	ACCA-Residential System Design	8:00am	H-3-I & II	2	J. Fairfax	Whiteville	Robert Brooks	910-642-7141
1/26/02	Improving Your HVAC Skills	10:15am	All -H	2				Ext. 209
1/26/02	Customer Relations	1:30pm	All	2				
3/23/02	ACCA-Residential System Design	8:00am	H-3-I & II	2	J. Fairfax	Whiteville	Robert Brooks	910-642-7141
3/23/02	Improving Your HVAC Skills	10:15am	All -H	2				Ext. 209
3/23/02	Customer Relations	1:30pm	All	2				

SOUTH PIEDMONT COMMUNITY COLLEGE

2/23/02	Residential Sys. Design-ACCA Manual J	8:00am	H-3-I & II	2	P. Whitaker	Monroe	Sandy Huntley	704-694-6505
2/23/02	Residential Sys. Design-ACCA Manual D	10:00am	H-3-I & II	2				
2/23/02	Residential Sys. Design-ACCA Manual T	1:00pm	H-3-I & II	2				
4/06/02	Residential Sys. Design-ACCA Manual J	8:00am	H-3-I & II	2	P. Whitaker	Polkton	Sandy Huntley	704-694-6505
4/06/02	Residential Sys. Design-ACCA Manual D	10:00am	H-3-I & II	2				
4/06/02	Residential Sys. Design-ACCA Manual T	1:00pm	H-3-I & II	2				

THE TECHNICAL TRAINING INSTITUTE

01/12/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	Raleigh	Eva Pratl	800-317-7095
01/12/02	Financial Management-Profit & Loss Analysis	11:15am	All	2				
01/12/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

10

THE TECHNICAL TRAINING INSTITUTE (con't)								
Date	Course	Time	Lic. Type	CE Hrs.	Instructor	Location	Contact	Phone
01/19/02	REZ-1 Load Estimating System	9:00am	All - H	2	M. Pratl	Raleigh	Eva Pratl	800-317-7095
01/19/02	Manual Load Estimating	11:15am	All - H	2				
01/19/02	Residential Equipment Selection Procedures	2:15pm	All - H	2				
01/26/02	Fundamentals of Commercial HVAC Systems	9:00am	All	2	M. Pratl	Winston-Salem	Eva Pratl	800-317-7095
01/26/02	Commercial Building Surveys & Analysis & Applications	11:15am	All	2				
01/26/02	Commercial Load Estimating	2:15pm	All	2				
02/09/02	REZ-1 Load Estimating System	9:00am	All - H	2	M. Pratl	Raleigh	Eva Pratl	800-317-7095
02/09/02	Manual Load Estimating	11:15am	All - H	2				
02/09/02	Residential Equipment Selection Procedures	2:15pm	All - H	2				
02/16/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	Greensboro	Eva Pratl	800-317-7095
02/16/02	Financial Management-Profit & Loss Analysis	11:15am	All	2				
02/16/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				
02/22/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	Rocky Mount	Eva Pratl	800-317-7095
02/22/02	Financial Management-Profit & Loss	11:15am	All	2				
02/22/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				
02/23/02	Designing Heat Pump Systems To Provide Comfort	9:00am	All - H	2	M. Pratl	Winston-Salem	Eva Pratl	800-317-7095
02/23/02	Solving Heat Pump Performance Issues	11:15am	All - H	2				
02/23/02	Heat Pump Selection Techniques That Work	2:15pm	All - H	2				
02/23/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	Greenville	Eva Pratl	800-317-7095
02/23/02	Financial Management-Profit & Loss	11:15am	All	2				
02/23/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				
03/02/02	Creating Building Templates	9:00am	All - H	2	M. Pratl	Greensboro	Eva Pratl	800-317-7095
03/02/02	The Load Estimate Utilizing "Right-J" Design	11:15am	All - H	2				
03/02/02	Duct Design Utilizing "Right-D" Design Software	2:15pm	All - H	2				
03/09/02	REZ-1 Load Estimating System	9:00am	All - H	2	M. Pratl	Raleigh	Eva Pratl	800-317-7095
03/09/02	Manual Load Estimating	11:15am	All - H	2				
03/09/02	Residential Equipment Selection Procedures	2:15pm	All - H	2				
03/16/02	Designing Heat Pump Systems To Provide Comfort	9:00am	All - H	2	M. Pratl	Fayetteville	Eva Pratl	800-317-7095
03/16/02	Solving Heat Pump Performance Issues	11:15am	All - H	2				
03/16/02	Heat Pump Selection Techniques That Work	2:15pm	All - H	2				
03/21/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	Wilmington	Eva Pratl	800-317-7095
03/21/02	Financial Management-Profit & Loss	11:15am	All	2				
03/21/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

11

THE TECHNICAL TRAINING INSTITUTE (con't)								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
03/22/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	Fayetteville	Eva Pratl	800-317-7095
03/22/02	Financial Management-Profit & Loss	11:15am	All	2				
03/22/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				
03/23/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	New Bern	Eva Pratl	800-317-7095
03/23/02	Financial Management-Profit & Loss	11:15am	All	2				
03/23/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				
03/25/02	Residential Replacement Specialist/The Residential Survey	9:00am	All - H	2	M. Pratl	Port Richey, FL	Eva Pratl	800-317-7095
03/25/02	Analysis of the Load Estimate & Application	11:15am	All - H	2				
03/25/02	Conserving Energy Through Envelope Upgrades	2:15pm	All - H	2				
03/27/02	Fundamentals of Commercial HVAC Design	9:00am	All - H	2	M. Pratl	Port Richey, FL	Eva Pratl	800-317-7095
03/27/02	Commercial Building Surveys & Analysis & Application	11:15am	All - H	2				
03/27/02	ACCA Manual-N Commercial Load Estimating	2:15pm	All - H	2				
04/06/02	Creating Building Templates	9:00am	All - H	2	M. Pratl	Greensboro	Eva Pratl	800-317-7095
04/06/02	The Load Estimate Utilizing "Right-J" Design	11:15am	All - H	2				
04/06/02	Duct Design Utilizing "Right-D" Design Software	2:15pm	All - H	2				
04/13/02	Designing Heat Pump Systems To Provide Comfort	9:00am	All - H	2	M. Pratl	Fayetteville	Eva Pratl	800-317-7095
04/13/02	Solving Heat Pump Performance Issues	11:15am	All - H	2				
04/13/02	Heat Pump Selection Techniques That Work	2:15pm	All - H	2				
04/27/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	Raleigh	Eva Pratl	800-317-7095
04/27/02	Financial Management-Profit & Loss	11:15am	All	2				
04/27/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				
05/03/02	Managing Your Business Through Financial Knowledge	9:00am	All	2	D. Dombrowski	Greensboro	Eva Pratl	800-317-7095
05/03/02	Financial Management-Profit & Loss	11:15am	All	2				
05/03/02	Financial Management-Cost/Benefit Analysis	2:15pm	All	2				
WILKES COMMUNITY COLLEGE								
3/09/02	New International Plumbing Code (overview)	9:00am	All-P	2	T. Pace	Wilkesboro	Calvin Dull	336-838-6208
3/09/02	New International Fuel Gas Code (overview)	11:00pm	All	2				
3/09/02	Gas Piping Installation	2:00pm	All	2				
4/13/02	New International Mechanical Code (overview)	9:00am	All-H	2	T. Pace	Wilkesboro	Calvin Dull	336-838-6208
4/13/02	New International Fuel Gas Code (overview)	11:00am	All	2	T. Pace			
4/13/02	Gas Piping Installation	2:00pm	All	2	T. Pace			

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

12

UMPIRE TECHNOLOGIES GROUP								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
1/10/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Asheboro	John Turnage	919-624-3456
1/10/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
1/10/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
1/11/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Asheboro	John Turnage	919-624-3456
1/11/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
1/11/02	Introduction of "Right J" Software	1:00pm	All-H	2				
1/16/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Fletcher	John Turnage	919-624-3456
1/16/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
1/16/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00p	All	2				
1/17/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Fletcher	John Turnage	919-624-3456
1/17/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
1/17/02	Introduction of "Right J" Software	1:00pm	All-H	2				
2/07/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Durham	John Turnage	919-624-3456
2/07/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
2/07/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
2/08/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Durham	John Turnage	919-624-3456
2/08/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
2/08/02	Introduction of "Right J" Software	1:00pm	All-H	2				
2/14/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Edenton	John Turnage	919-624-3456
2/14/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
2/14/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
2/15/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Edenton	John Turnage	919-624-3456
2/15/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
2/15/02	Introduction of "Right J" Software	1:00pm	All-H	2				
2/21/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Fayetteville	John Turnage	919-624-3456
2/21/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
2/21/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
2/22/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Fayetteville	John Turnage	919-624-3456
2/22/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
2/22/02	Introduction of "Right J" Software	1:00pm	All-H	2				
2/28/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Garner	John Turnage	919-624-3456
2/28/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
2/28/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
3/01/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Garner	John Turnage	919-624-3456
3/01/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
3/01/02	Introduction of "Right J" Software	1:00pm	All-H	2				

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

13

UMPIRE TECHNOLOGIES GROUP (con't)								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
3/07/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Morehead City	John Turnage	919-624-3456
3/07/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
3/07/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
3/08/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Morehead City	John Turnage	919-624-3456
3/08/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
3/08/02	Introduction of "Right J" Software	1:00pm	All-H	2				
3/14/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Greenville	John Turnage	919-624-3456
3/14/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
3/14/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
3/15/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Greenville	John Turnage	919-624-3456
3/15/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
3/15/02	Introduction of "Right J" Software	1:00pm	All-H	2				
3/28/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Wilmington	John Turnage	919-624-3456
3/28/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
3/28/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
3/29/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Wilmington	John Turnage	919-624-3456
3/29/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
3/29/02	Introduction of "Right J" Software	1:00pm	All-H	2				
4/11/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Fletcher	John Turnage	919-624-3456
4/11/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
4/11/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
4/12/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Fletcher	John Turnage	919-624-3456
4/12/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
4/12/02	Introduction of "Right J" Software	1:00pm	All-H	2				
4/25/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Concord	John Turnage	919-624-3456
4/25/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
4/25/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
4/26/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Concord	John Turnage	919-624-3456
4/26/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
4/26/02	Introduction of "Right J" Software	1:00pm	All-H	2				
5/09/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Edenton	John Turnage	919-624-3456
5/09/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
5/09/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
5/10/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Edenton	John Turnage	919-624-3456
5/10/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
5/10/02	Introduction of "Right J" Software	1:00pm	All-H	2				

2002 WINTER/SPRING CONTINUING EDUCATION SCHEDULE

14

UMPIRE TECHNOLOGIES GROUP (con't)								
DATE	COURSE	TIME	LIC. TYPE	CE HRS.	INSTRUCTOR	LOCATION	CONTACT	PHONE
5/23/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Asheboro	John Turnage	919-624-3456
5/23/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
5/23/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
5/24/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Asheboro	John Turnage	919-624-3456
5/24/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
5/24/02	Introduction of "Right J" Software	1:00pm	All-H	2				
6/06/02	Accounting: Profit Is Not A Dirty Word	8:00am	All	2	J. Turnage	Garner	John Turnage	919-624-3456
6/06/02	Financial Statement Reporting, Labor, Expenses	10:00am	All	2				
6/06/02	Relationship Between Balance Sheet, Income & Cash Flow Statements	1:00pm	All	2				
6/07/02	Fundamentals of Heat Transfer	8:00am	All-H	2	J. Turnage	Garner	John Turnage	919-624-3456
6/07/02	Manual Load Calculation of a Structure	10:00am	All-H	2				
6/07/02	Introduction of "Right J" Software	1:00pm	All-H	2				
WAKE TECHNICAL COMMUNITY COLLEGE								
1/19/02	The Present Condition of Duct Systems	8:00am	All-H	2	J. Orum	Raleigh	Duncan Shaw	919-662-3438
1/19/02	The Elements of Healthy, Durable, Efficient Duct Sys.	10:30am	All-H	2				
1/19/02	Successful Heat Pump Installations	2:00pm	All-H	2				
2/16/02	The Present Condition of Duct Systems	8:00am	All-H	2	J. Orum	Raleigh	Duncan Shaw	919-662-3438
2/16/02	The Elements of Healthy, Durable, Efficient Duct Sys.	10:30am	All-H	2				
2/16/02	Successful Heat Pump Installations	2:00pm	All-H	2				
3/16/02	The Present Condition of Duct Systems	8:00am	All-H	2	J. Orum	Raleigh	Duncan Shaw	919-662-3438
3/16/02	The Elements of Healthy, Durable, Efficient Duct Sys.	10:30am	All-H	2				
3/16/02	Successful Heat Pump Installations	2:00pm	All-H	2				
4/20/02	The Present Condition of Duct Systems	8:00am	All-H	2	J. Orum	Raleigh	Duncan Shaw	919-662-3438
4/20/02	The Elements of Healthy, Durable, Efficient Duct Sys.	10:30am	All-H	2				
4/20/02	Successful Heat Pump Installations	2:00pm	All-H	2				
5/18/02	The Present Condition of Duct Systems	8:00am	All-H	2	J. Orum	Raleigh	Duncan Shaw	919-662-3438
5/18/02	The Elements of Healthy, Durable, Efficient Duct Sys.	10:30am	All-H	2				
5/18/02	Successful Heat Pump Installations	2:00pm	All-H	2				
6/15/02	The Present Condition of Duct Systems	8:00am	All-H	2	J. Orum	Raleigh	Duncan Shaw	919-662-3438
6/15/02	The Elements of Healthy, Durable, Efficient Duct Sys.	10:30am	All-H	2				
6/15/02	Successful Heat Pump Installations	2:00pm	All-H	2				
VANCE-GRANVILLE COMMUNITY COLLEGE								
2/16/02	Plumbing as a Business	8:00am	All-P	2	R. Edmonson	Henderson	Diane Finch	252-492-2061
2/16/02	Plumbing Sizing and Calculations	10:30am	All-P	2				
2/16/02	Plumbing/Maintain Fire Rating & Handicap Compliance	1:30pm	All-P	2				
4/06/02	The Business of Mechanical Contracting	8:00am	All-H	2	R. Edmonson	Henderson	Diane Finch	252-492-2061
4/06/02	HVAC Equipment Sizing and Installation	10:30am	All-H	2				
4/06/02	HVAC /Maintain Fire Rating & Handicap Compliance	1:30pm	All-H	2				

ATTENTION WELL CONTRACTORS

[15A NCAC 27 .0110a] A Certified well contractor must be present at all times when well contractor activities* are being conducted in North Carolina. (*The construction, installation, repair, alteration, or abandonment of any well)

[Senate Bill 312, ratified] The civil penalty that may be assessed for conducting well contractor activities without a certified well contractor present has been raised to \$1,000. This fine may also be assessed for Offering to Perform well contractor activities without being certified.

If you just do pump work, you need to *register* with the state as a *pump installer*. If you also extend well casing, perform well repairs, "wash in" wells, abandon wells or engage in any other well contractor activity, you need to be *certified* as a *well contractor*.

The application for certification as a well contractor can be obtained online at <http://GW.EHNR.STATE.NC.US> , under the Publications section. For further assistance with certification, you may contact the NC Department of Environment & Natural Resources at 919-733-3221.

Publisher

Sandra O'Brien, Executive Director

Editor

Scott Waterhouse

STATE BOARD OF EXAMINERS OF PLUMBING, HEATING & FIRE SPRINKLER CONTRACTORS

3801 Wake Forest Road
Suite 201
Raleigh, NC 27609



CHANGE OF ADDRESS

The Board's rule, 21 NCAC 50.0408 (c) reads as follows:

(C) The licensee shall notify the Board of any change in location or mailing address from that shown on the last license renewal invoice within 30 days after the change takes place. The above rule requires you to notify the Board of a change of address within 30 days after the change takes place. Compliance with this rule benefits you and the Board. The Board is able to keep its records up to date if you notify the office of an address change. The Board is also able to keep you up to date if it has your correct address. Through the newsletter, the Board notifies you of new requirements for licensed contractors, code amendments, educational opportunities, public rule hearings that may affect you, and much more. The newsletter will not get to you if the Board does not have your correct address. The Board notifies you when your license is going to expire and sends you an invoice. This invoice will not get to you if the Board does not have your correct address.

Changes must be in writing with your signature.

Phone: 919/875-3612
Email: info@nclicensing.org

Fax: 919/875-3616
Web: www.nclicensing.org

PRESORT
STANDARD

U.S. POSTAGE
PAID
RALEIGH, NC
PERMIT NO. 1510