



News from the Mechanical Inspectors

July 09

Office Information

For permits, requests for inspections, information on status of permits or just looking for newsletters that have already been published go to

www.inspectnet.org

Looking for inspector Territory Maps? Go to

www.cityofws.org/Home/Departments/Inspections/Articles/FormsAndFees

2009 NC Mechanical Code and Gas Code:

July 1st 2009 will be the date you will need to begin using the 2009 Codes. Any system installed after June 30, 09 will need to be installed using the 2009 Codes.

Questions from Contractors

Question: Please explain the 5 and 11 month letters we receive about permits.

Answer: We mail out 5 and 11 month letters to let you know that the permit is going to expire on the date listed in the letter. This gives you a 30 day window to get the inspection scheduled. In addition to the letter, the inspector in the area the permit was issued will receive a copy. He then contacts your company to help remind them about the need for an inspection. We take a lot of time to help you keep up to date

with your permits. Please understand that it is your responsibility to keep your inspections up to date not ours. If you have trouble please discuss this with your inspector. Starting on July 1, 2009, if your permit expires you will have to purchase another one to replace it. Once our system puts the permit in stop work status we will not re-instate expired permits. Over the last 14 months I have tried to help every contractor get permits handled that has contacted me. Remember the licensing board says you need to request an inspection within 10

days after the job has been completed. Anyone that does not handle policing their permits will risk the licensing board being notified. Please don't put us in that position. We want to work with any contractor to clear up any outstanding permits so please give us a call so we can try to help.



Hoping for a hot summer, we all need the work.

2009 Code Update

See section 307.2.3.1 in the 2009 NC Mechanical Code.

307.2.3.1 Water-level monitoring devices. On down-flow units and all other coils that do not have a secondary drain, and do not have a means to install an auxiliary drain pan, a water-level monitoring device shall be

installed inside the primary drain pan. This device shall shut off the equipment served in the event that the primary drain becomes restricted. Externally installed devices and devices installed in the drain line shall not be permitted.

As per DOI, float switches are required on package units on roofs if they have down flow

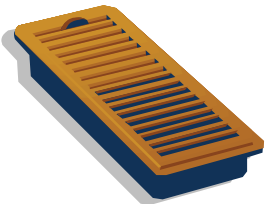
configuration. If you need any clarification please contact the inspector in your area and he will help you with the requirements.

If you wish to have your questions included in our monthly newsletter,

Please send to miken@cityofws.org. Thanks, Michael Norris Senior Mechanical Inspector 336-727-2382

CITY OF WINSTON-SALEM Mayor: Allen Joiner City Council: Vivian H. Burke, Mayor Pro Tempore, Northeast Ward; Dan Besse, Southwest Ward; Robert C. Clark, West Ward; Joycelyn V. Johnson, East Ward; Molly Leight, South Ward; Nelson L. Malloy Jr., North Ward; Wanda Merschel, Northwest Ward; Evelyn A. Terry, Southeast Ward City Manager: Lee Garrity
FORSYTH COUNTY COMMISSIONERS David R. Plyler, Chairman; Debra Conrad, Vice Chair; Beaufort O. Bailey; Ted Kaplan; Richard V. Linville; Walter Marshall; Gloria D. Whisenhunt County Manager: Dudley Watts, Jr.





Use proper floor registers.

Please contact us with any questions or concerns that may come up on an installation.. Give us a chance to help.



Flex duct is here to stay, install with caution.

Energy Code 2009

Question: Does section 503.2.4.4 of the 2009 Energy Code require motorized dampers on outside air and exhaust systems?

Answer: Yes, the code requires both outdoor air and exhaust to have motorized dampers installed that will automatically shut when the system or spaces served are not in use.

Please note the exceptions:

1. Gravity dampers shall be

permitted in buildings less than three stories in height.

2. Gravity dampers shall be permitted for buildings of any height located in climate zones 1,2 and 3. Remember we are in Zone 4.
3. Gravity dampers shall be permitted for outside air intake or exhaust airflows of 300 CFM or less.

This section also applies to RTUs

So make sure you equipment is not a manual damper.

If any questions please feel free to contact any inspector for assistance.

Question: Does the Energy Code 2009 Require Economizers on Equipment?

Answer: See section 503.31 of the 2009 Energy Code. The table 503.3.1(1) Economizer Requirements. Our Climate zone is 4A and there is no requirement for economizers to be installed.

Question: Does section 503.2.9.3 Manuals require us to leave a copy of the information required for the inspector.

Answer: No, this section requires you to leave the following documents listed in the code section for the owner.

The inspector only needs the installation instructions for the

equipment that is installed or any other information necessary to perform the inspection.

Refrigerant line's on Heat Pumps and A/C

Please follow the manufactures instructions for sizing your refrigerant lines for equipment. It seems every time we check with the manufactures we find out the information we are getting is not correct. If your manufacture has requirements for longer linesets

and different sizes than the installation manual, make sure you provide information that is specific for your make and model of equipment. The best help we can get is to follow the manufactures instructions for installation and sizing of the refrigerant lines.