



News from the **Mechanical Inspectors**

04-01-09

The following information is provided from the Mechanical Inspection Department of the City of Winston-Salem.

Commercial Plans approved by our department, make sure you follow the design of the plans approved for the HVAC installation. If you wish to change the design you will need to submit the new engineered sealed drawings to Darren Young in the plan review section. The revised plans will need to be reviewed and approved before any inspections can be performed.

PERMITS: Please take care of the permit letters we send out to you and get the proper inspections in a timely manner so no further action will have to be taken. Thanks for all the help in getting these old permits cleared up. If you need any help or assistance please feel free to call me at any time.

Outdoor Air Requirements as per the 2009 NC Mechanical Code:

The section below references table 403 for the requirements for outside air induced into the building. The exception explained in the 2006 Commentary references Ashrae 62 as a design path.

Since the 2009 International Code has incorporated the 2007 Ashrae Standard we will allow the design of the ventilation to be calculated as per the above Ashrae Standard. Please state on your plans which design path you wish to use.

403.2 Outdoor air required. The minimum ventilation rate of outdoor air shall be determined in accordance with Section 403.3. Exception: Where the registered design professional demonstrates that an engineered ventilation system design will prevent the maximum concentration of contaminants from exceeding that obtainable by the rate of outdoor air ventilation determined in accordance with Section 403.3, the minimum required rate of outdoor air shall be reduced in accordance with such engineered system design.

Gas Code section 404.7: Protection of gas piping.

Don't forget to see the interpretation from the Department of Insurance on tubing installed outside above ground.

The interpretation reads, "Copper tubing, corrugated stainless steel tubing, and brass pipe shall be protected with a schedule 40 PVC sleeve or equivalent from a point 3 inches below grade to a point 3 feet above grade." You can read the complete document at the Department of Insurances web page.

2009 Mechanical Code section 307.2.3

Please notice the UL requirement for float switches, they must meet the UL 508 standard.

Grease duct enclosure. Section 506.3.10:

Under exception #1, please notice the new ASTM E 2336 requirement for the wrap. This will require that two layers of wrap be installed to meet the manufactures installation instructions and the new testing information. Please check with your duct wrap supplier for the proper information.

Please send any comments to miken@cityofws.org we would like to hear from you.

Thanks

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