

**NEW CASTLE COUNTY AUDIT CHECKLIST**  
(2015 IFGC)(2012 IECC)(2015 IMC)(2015 IPC)(NCC Chapter 6)

Rev 1/16/19

**1.**   Pass   Corr   N/A  
     

**GENERAL**

- Access provided to all areas to be inspected Ch 6 6.03.018(A,D)
- Verify all required permits issued, ensure no extra work done which requires permits Ch 6 6.03.012(A)
- Verify final electric inspection has been completed, if required Ch 6 6.03.018 & 6.03.019(H)

**2.**        

**INSTALLATION OF HVAC EQUIPMENT**

- All equipment must be installed in accordance with their published installation instructions and be stored on site
- Ensure all new ductwork is properly sealed IMC 603.9, IECC 403.2.2
- New line-set installations must be insulated with a minimum value of R-3 IECC 403.3
- All penetrations of the building must be properly sealed to limit air and water infiltration IECC 402.4.1
- All filter boxes shall be sealed IECC 403.2.2
- Ensure no condensation is directed to the sanitary sewer Ch 6 R303.11
- Saddle valves for humidifiers are not permitted IPC 605.9
- Ensure all exterior terminations are installed in accordance with the manufacturer's installation instructions, including spacing, accelerator, insulation, direct and non-direct requirements, etc.
- A duct pressure test is required for all new ductwork installed outside the thermal envelope IECC 403.2.2
- A programmable thermostat is required for the primary forced-air furnace IECC 403.1.1
- An expansion tank must be installed on boilers IMC 1009.1

**3.**        

**INSTALLATION OF WATER HEATER**

- All equipment must be installed in accordance with their published installation instructions and be stored on site
- Pressure relief piping no higher than 6" AFF and no less than 2X pipe diameter AFF or receptacle IPC 504.6
- An expansion tank must be installed on all water heater installations mfr specs, IPC 607.3
- All penetrations of the building must be properly sealed to limit air and water infiltration IECC 402.4.1
- Ensure no condensation is directed to the sanitary sewer NCC Special Services
- Ensure all exterior terminations are installed in accordance with the manufacturer's installation instructions, including spacing, accelerator, insulation, direct and non-direct requirements, etc.
- Ensure all vent piping is properly supported mfr specs, IMC 801.20

**4.**        

**INSTALLATION OF BOILERS**

- All equipment must be installed in accordance with their published installation instructions and be stored on site
- Pressure relief piping shall be installed to not be a hazard people or equipment IMC 1006.6
- An expansion tank must be installed on all new boilers mfr specs, IMC 1009
- All penetrations of the building must be properly sealed to limit air and water infiltration IECC 402.4.1
- Ensure all exterior terminations are installed in accordance with the manufacturer's installation instructions, including spacing, accelerator, insulation, direct and non-direct requirements, etc.
- All steam and hot water boilers shall be provided with a low-water cutoff control IMC 1007.1
- All boilers shall be provided with a backflow preventer on the potable water supply IPC 608.16.2
- Ensure all vent piping is properly supported mfr specs, IMC 801.20

Inspector: \_\_\_\_\_ Permit Number: \_\_\_\_\_

Date: \_\_\_\_\_ Inspection Results: Pass  Partial  Corrections Required