

Town of North Castle Building Department

17 Bedford Road

Armonk, New York 10504-1898

Telephone: (914) 273-3000 ext. 44 Fax: (914) 273-3554

HEATING AND COOLING SYSTEMS

Thermostats

- ☐ Thermostat type and location

Ducts and Air Handler

- ☐ Duct and air handler locations
- ☐ Notes or drawings specify insulation R-values for ducts in unconditioned spaces
- ☐ Note indicating that HVAC contractor will seal ducts to 4.0 cfm/100 ft² conditioned floor area with UL 181 products appropriate for the duct material type. (Testing not required if all ducts are located completely within conditioned space.)
- ☐ Furnace and air conditioner or heat pump specifications

HVAC Design Worksheet

- ☐ Completed *Heating and Cooling Equipment Worksheet* (page 1)
- ☐ Completed *Whole-house Mechanical Ventilation Worksheet* (page 2)

HVAC Piping

- ☐ Notes or drawings indicate HVAC pipe insulation R-values (e.g. hydronic systems, refrigerant lines)
- ☐ Notes or drawings indicate HVAC pipe insulation protection for pipes/insulation located outdoors (e.g. refrigerant lines)

SERVICE HOT WATER PIPING

- ☐ Hot water pipe insulation R-value for pipes meeting any one of the following conditions
 - ☐ $\geq \frac{3}{4}$ " nominal diameter
 - ☐ Located outside conditioned space
 - ☐ Between the water heater and a manifold
 - ☐ Underground or in a slab
 - ☐ Serving more than one dwelling unit
 - ☐ Supply and return piping in recirculating hot water systems other than demand recirculating systems

LIGHTING

- ☐ Lighting schedule or notes indicating percentage of high-efficacy lighting