

## **GAS BURNER INSTALLATION CHECKLIST**

### **1.0 INSTALLATION**

- 1.1 Prior to beginning any installation of gas burning equipment, a "Permit To Install Gas Burning Equipment" must be obtained from the Fire Department. A \$15.00 fee must be paid at the time the permit is obtained.
- 1.2 Installed in accordance with manufacturer's specifications and / or NFPA-54, "National Fuel Gas Code", 1999 edition.
- 1.3 Manufacturer's specifications and installation guide must be with appliance at time of inspection.
- 1.4 Provide reasonable accessibility for cleaning and servicing.
- 1.5 Not installed in areas where combustible dusts or flammable vapors are present, unless approved for that area.
- 1.6 Proper ventilation must be provided for combustion intake air and excessive heat removal.

### **2.0 CHIMNEY AND CHIMNEY CONNECTIONS**

- 2.1 Chimney must be masonry with flue liner.
- 2.2 Metal chimney must be listed by a recognized listing agency and installed in accordance with manufacturer's instructions.
- 2.3 Connector and venting for appliances must be installed in accordance with manufacturers' instructions and specifications.
- 2.4 Pipe must pitch upward 1/4 inch per foot.
- 2.5 Pipe connector must be mortared tightly to chimney.
- 2.6 If a forced draft device is installed, device installation must comply with all manufacturers' instructions and guidelines.
- 2.7 Entire length of connector pipe must be readily accessible for cleaning, service or inspection.

### **3.0 TANK INSTALLATION**

- 3.1 Prior to beginning any installation of gas storage tanks, a "Permit to Install Aboveground/Underground Fuel Storage Tanks" must be obtained from the Fire Department. A \$15.00 fee must be paid at the time the permit is obtained.
- 3.2 If tank is underground, Fire Department must inspect tank before backfilling begins.
- 3.3 If tank is underground, backfilling must be done with clean sand under, around and over the tank.

- 3.4 Underground tanks shall be provided with consumable anode devices designed to minimize corrosion of the tank shell.
- 3.5 Aboveground tanks shall be installed on appropriate concrete footings on substantially level, stable soil (up to 1000 gallons on “patio” blocks; greater than 1000 gallons requires poured concrete slab).

#### **4.0 PIPING**

- 4.1 In the event of changeover from oil to gas, any and all abandoned oil fill lines shall be removed from the building or rendered permanently inoperable.
- 4.2 Underground piping must be buried a minimum depth of eighteen (18”) inches.
- 4.3 All underground piping shall be sheathed.
- 4.4 All underground piping must be inspected prior to being backfilled with a minimum of four (4) inches of clean sand above and below the piping.

#### **5.0 CONTROLS**

- 5.1 A red service switch shall be located at the burner so service personnel may view operation of the burner.
- 5.2 If a forced draft fan is installed, burner shall not fire if the fan is inoperative.
- 5.3 A manual gas shutoff valve shall be installed in the gas supply pipe within six (6) feet of the burner unit.

#### **6.0 CLEARANCE**

- 6.1 If heating unit is found other than in a basement or a fire resistive location, refer it to the Fire Inspector.

#### **NOTE FOR NEW CONSTRUCTION**

At the time of inspection of gas burner and tank, Fire Department will be checking smoke detector and carbon monoxide detector installation and function. We will also be checking to see that the electrical panel is appropriately marked and that the correct street number is posted to the right of the front door.

Any deviation from this form must meet N.F.P.A. guidelines or special waivers from the Pelham Fire Department before installation.