(DEFINITIONS, Con’t.)

Pan Size & Drain: The pan shall be 1 ½” deep and have a ¾” minimum drain. This drain shall discharge to a waste receptacle by means of an air gap.

Vacuum Relief Valve: Where the cold water enters the tank at the bottom of the tank a vacuum relief valve shall be installed on the cold water supply to the tank at least 6” above the top of the tank.

Energy Source: Gas, Electric, Fuel Oil: There shall be a way of shutting off the energy source, a valve for gas or fuel oil, a switch for electric water heaters.

Gas Piping: All gas piping shall be installed according to the International Fuel Gas Codes and shall be tested.

Electrical Connections: Electrical connections shall be installed according to the Building Codes, Chapter 27.

Flue Pipe: The flue pipe shall be installed according to the manufacturers installation instructions and the international Fuel Gas Codes. Horizontal vents shall be supported and pitched a minimum of ¼” per foot and joints shall be held together with the approved screws. 3” size flue pipe can be installed a maximum distance of 4 ½ feet horizontally; 4” flue pipe can be installed a maximum distance of six feet horizontally.

Important: The chimney should be inspected for blockages and cracks in the flue lining. Existing flue piping shall be inspected for blockages, rusting and for proper installations.

Inspections: Every new or replacement water heater requires a plumbing permit and inspection. This inspection is completed to insure that ever water heater is installed according to the current Ohio Plumbing Codes.

Mansfield/Ontario/Richland County Health Department

PLUMBING INSPECTION DIVISION

Our State-Certified Inspectors:

1) ENFORCE current plumbing codes to safeguard the installation of all plumbing piping, from new installations to replacements and repairs.

2) ISSUE permits and conducts inspections to ensure that all plumbing is installed according to state code.

3) CONDUCT investigations when nuisances arise from the installation of non-compliant plumbing.

4) REGISTER all individuals engaged in installing plumbing.

5) PROTECT public water supplies under EPA Backflow requirements.

6) PREVENT infiltration of grease/oil into public sewer systems by requiring grease and oil interceptors.
DEFINITIONS

Cold Water Supply Valve: Water Heater shall have a valve which supplies only the water heater, in the area close to the heater. This valve shall be a full open valve.

Thermal Expansion Tank: As the water heater heats up the water within expands. To stop this water from discharging from the T&P safety valve, a thermal expansion tank must be installed.

Proper Pipe Connections: Proper connections between the water supply piping material and the tank must be used to prevent electrolysis.

Safety Temperature & Pressure Relief Valve: If the temperature within the tank increases above 210° or the pressure within the tank increases above 150° the T&P safety valve will open and relieve the excess pressure.

Relief Valve Discharge and Materials: With this draining of the T&P valve, colder water may be entering the tank and cooling down the heated water. Because this is a type of draining device, this valve must have a drain pipe that is the same size. Also there can be no valves between the tank and the T&P valve and no valves installed on the discharge pipe. This pipe must also be made of the proper material so it doesn’t come apart or move around.

Relief Valve Indirectly Drained by Air Gap: This pipe directs the hotter water to the floor level, thus the pipe must be no higher than 6” off the floor. There must be a physical separation between the discharge pipe and any drain pipe such as a floor drain.

Required Pan: If any leakage or dripping water from this tank will cause damage, the water heater shall be installed in a pan.

(Continued on back)