

PLUMBING GUIDELINES

BEFORE YOU START MAKE SURE YOU HAVE THE PROPER PERMITS. A HOMEOWNER MAY DO HIS OWN WORK, IN A SINGLE FAMILY DWELLING, IN WHICH HE OWNS AND IS LIVING IN OR ABOUT TO OCCUPY. ANY OTHER TYPE OF WORK INCLUDING RENTALS, SMALL IN HOME COMMERCIAL, SUCH AS A BEAUTY SHOP, MUST BE DONE BY A LICENSED MASTER PLUMBER. A CONTRACTOR CANNOT USE THE HOME OWNERS PERMIT. THEY MUST GET THEIR OWN PERMIT. IF YOU HAVE ANY CODE QUESTIONS OR WOULD LIKE TO SCHEDULE AN INSPECTION, PLEASE CONTACT JIM RAAB, MECOSTA TOWNSHIP PLUMBING INSPECTOR AT 231-796-8935.

1. EVERY BUILDING SHALL HAVE A MAIN VENT THAT IS EITHER A VENT STACK OR A STACK VENT. ALL VENTS THAT EXTEND THROUGH A ROOF SHALL TERMINATE AT LEAST 1 FOOT ABOVE THE ROOF. TO PREVENT FROST CLOSURE EVERY VENT EXTENSION THROUGH A ROOF SHALL NOT BE LESS THAN 3" IN DIAMETER. ANY INCREASE IN THE SIZE OF THE VENT SHALL BE MADE INSIDE THE BUILDING WITHIN A MINIMUM OF 1 FOOT BELOW THE ROOF OR INSIDE THE WALL.
2. DO NOT GLUE ANY PIPE, IF YOU THINK IT MAY FAIL AN INSPECTION, DRY FIT IT FIRST, THEN CALL FOR AN INSPECTION. IT IS BETTER TO PAY FOR A RE-INSPECTION THAN TO REPLACE THE PIPING.
3. YOU CAN NOT USE S-STRAPS. YOU MUST USE P-TRAPS.
4. YOU MUST USE PURPLE PRIMER ON P,V,C, PLASTIC PIPE.
5. YOU MUST USE ORANGE CEMENT ON C.P.V.C. PIPE
6. YOU CANNOT GLUE "WHITE" P.V.C. PIPE TO "BLACK" A.B.S. PIPE. YOU MUST USE A NEOPRENE BOOT OR AN APPROVED ADAPTOR.
7. ALWAYS USE WYES ON THE HORIZONTAL DRAIN LINE.
8. INSTALL CLEAN-OUTS AT THE BASE OF EACH SOIL OR WASTE STACK AND ALSO AT THE BUILDING ENTRANCE.
9. YOU MUST INSTALL WATER HAMMER ARRESTERS (MECHANICAL AIR CHAMBER) THAT CONFORM TO ASSE 1010 WATTS #055 OR WATTS #15 ON THE HOT OR COLD WATER LINES, FOR AUTOMATIC CLOTHES WASHERS, DISHWASHERS & QUICK CLOSING VALVES.
10. YOU MUST CALL FOR AN INSPECTION BEFORE YOU COVER ANY PIPING. YOU ALSO MUST CALL FOR A FINAL INSPECTION, AND RECEIVE AN OCCUPANCY PERMIT BEFORE YOU OCCUPY.
11. MECOSTA TOWNSHIP IS ENFORCING THE 2006 MICHIGAN RESIDENTIAL CODE.

APPROVED FITTINGS FOR THE DRAIN, WASTE AND VENT SYSTEMS



"Tee" may be used in VERTICAL position only



"Wye" may be used in VERTICAL or HORIZONTAL Positions



"Tee" may not be used in HORIZONTAL positions

GUIDELINES FOR PLUMBING INSTALLATIONS (cont)

CLEAN-OUTS ARE REQUIRED AT:

1. Base of all soil and waste stacks.
2. Junction of building sewer and building drain-may be immediately inside or outside of Building.
3. Each change of direction of the building drain, or of horizontal waste or soil lines, which is greater than 45 degrees.
4. Every 50 feet of horizontal drainage line 4" in diameter or smaller.

APPROVED MATERIALS

Drainage, waste and vent

1. Plastic - ABS – ASTM 2661 – ASTM F – 628
Solvent Cement – ASTM 2235
PVC – ASTM 2665 – ASTM 2949
Primer – ASTM 656
Solvent Cement ASTM 2564
2. Copper DWV
3. Cast iron soil pipe

Water Distribution Piping

1. Copper pipe types M, L, or K
2. CPVC plastic ASTM D-2846 Orange Solvent Cement – ASTM F-493
3. Polybutylene ASTM D-3309
4. Galvanized steel

P- 1223.2 Installation: Faucets and diverters shall be installed so that flow of hot water from the fitting corresponds to the left hand side of the fixture fitting.

P- 1223.3 Shower valves: Shower valves for individual showers shall be balanced pressure-mixing valves or thermostatic-mixing valves conforming to the requirements of ASSE 1016 listed in Appendix A. Water temperature control valves shall be equipped with hi-h-limit stops adjusted to maximum hot water setting of 110 degrees F (43 degrees C)

720.6.4 Ceiling and floor openings FIRESTOPPING shall be installed at openings around vents, pipes, ducts, chimneys and fireplaces at ceiling and floor levels, with approved non-combustible materials.

STATE PLUMBING CODE – THINGS TO BE AWARE OF.

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| P-603.2 | No sanitary "Teas" permitted on horizontal lines. |
| P-517.1 | Plastic drainage – Do not glue PVC or ABS pipe or fitting. |
| P-601.1 | 2" Drain pipe for automatic clothes washer and shower. |
| P-914.1 | All vents through roof must be 3" in size (Frost). |
| P-1503.2 | Water lines – ¾" main lines up to last fixture. |
| P-1223.3 | Shower Valves must be scald proof. |

Call the inspector before installation.