PLUMBING ROUGH-IN'S CHECK LIST

(1) Materials used: PVC sch 40; ABS sch 40; cast-iron.

(2) Cleanouts shall be in direction of flow>.

(3) Height of high end of sewer line relative to depth of low end (outlet end) of sewer line.

(4) There shall be a 3" clean out upstream of each water closet (toilet); unless the toilet is within 36" of the main sewer line.

(5) A vent fitting shall leave the main sewer line either straight-up (90 degrees to the center line) or not more than being rolled over to 45 degrees from the center line.

(6) All floor drains shall be trapped.

(7) Any sewer line draining 3 (three) fixtures or more shall be 3" in diameter.

(8) Check to see if there are no low spots (dips or sway backing of pipe in the horizontal run).

(9) Leak testing: either a 10 ft. column filled with water & holding: or air pressure 5 PSIG.

(10) Sewer lines shall be entrenched and supported by continuous compacted soil: No elevated piping with X bracing every 5-ft.

(11) No sewer lines running in footings, or elevated above footings.

(12) Sewer lines crossing footings shall be sleeved by pipe two sizes larger than the actual drain line itself.

(13) The fall shall be between 1/8" to ¼" per running foot.

(14) Clean-outs shall be installed in the direction of flow.

(15) It is the plumbers' responsibility to drain the sanitary sewer from within the building to the outside of the building line with as few changes in direction as possible.

(16) Visualize running a sewer cable through the system every change in direction gives resistance to the cable; be aware of impractical situation.

(17) Any sewer line 4" in diameter shall have a clean out ever 75 feet. A sewer line 3" in diameter shall have a clean out every 50 feet.

(18) Any sewer line that changes direction in access of 45 degrees by use of one fitting shall require a clean out at that point of the line.

POTABLE WATER SYSTEM

(1) Unless specified by an engineer: The main feed line shall be ¾" I. D. diameter.

(2) The material acceptable under slabs: Type "L" and Type "K" seamless copper tubing only.

(3) Joints soldered with lead free tin alloy solder.

(4) Plumbers must use the loop-system: Wall-to-wall manifolds: No joints allowed beneath the concrete slab.

(5) The plumber shall maintain ¾" manifolds with only the last two supply outlets reducing to ½".

(6) Bath tubs and showers side-by-side or any tub, tub or shower, shower arrangement is considered a high-volume situation and each shall be supplied with a ½" cold and ½" hot supply from a ¾" manifold.

(7) Other fixtures, toilet lavatory, sink, dishwasher, two lavatories, etc.; two fixtures may be supplied from a ½" water supply.

(8) Check copper lines for dents caused by shovel work. If a dent is severe enough the line must be replaced.
Note: In a severe emergency situation a line may be brazed to make a repair.

(9) The plumber shall rough-in hose bibs at locations where a 50 feet garden hose can overlap zones. Hose bibs shall have anti-syphon devices on faucets.

(10) Bleed line from pop-off valve shall be of ¾" type "L" or "K" copper.
CPVC IS NOT ACCEPTABLE.