

Date: January 1, 2011

**Significant Changes in the 2010 California Mechanical Code
 (based upon the 2009 Uniform Mechanical Code)**

The following list of changes is not inclusive, but does include those felt to have the most impact on mechanical installations. Please refer to the particular section for the complete text. These requirements will become effective in the City of Pleasanton on January 1, 2011.

Section	Description
Chapter 1	Division II not adopted by City of Pleasanton.
216	Noncombustible definition-will not burn when subjected to fire or heat, does not permit gypsum wallboard to be considered noncombustible.
217	References the CBC for Occupancy Classification.
1106.3.1	Refrigerant Service Ports-locking type, tamper-resistant.
311.0	General requirements for return air and outside air locations.
504.1	Exhaust ducts under positive pressure not permitted into or through ducts or plenums.
507.2.5 & .6	Three methods for protecting grease ducts through fire-resistive assemblies: factory-built grease duct enclosure system (UL2221), field-applied grease duct wrap (ASTM E2336) or construct a shaft enclosure (UL263/ASTM E119).
508.1.2	Tight fitting grease exhaust hood installation against back of wall.
511.2.1	Air velocity in grease ducts- minimum 500 fpm, maximum 2500 fpm.
512.2	Electrical equipment must be specifically listed for use in hoods.
513	Many changes for commercial hood fire-extinguishing systems.
604.1	Minimum 18" vertical clearance below underfloor duct.
802.6.7	Screws, rivets, etc. not permitted to inner wall of double wall gas vents.
802.7.4.1	Single wall metal vent pipe not permitted in residential occupancies.
802.8.5	Annular space around vent penetrations must be permanently sealed.
913.6	Floor appliances with casters must be listed, and installed with restraints.
920.2	Unlisted open top broiler units not permitted in combustible material.
931.0	Compressed natural gas (CNG) fueling systems conform to NFPA 52.
932.0	Outdoor open flame decorative appliance requirements.
934.0	Fuel cell power plants requirements.
1102.0	Refrigeration systems must comply with ASHRAE 15 and IAR 2.
1105.2	Limits amount of refrigerant in rooms, even if only occasionally occupied.
1201.2.1.8	Hydronic piping covering and insulation requirements.
1310	Excess flow valve must be listed, if installed.
1312.2.6	All gas piping supports (hooks, straps, bands, etc.) to be metal.
1312.13	Gas piping electrical bonding and grounding requirements.
1313.4	Gas shutoff valves for appliances must be accessible, new exceptions.
Appendices B, C & D adopted by the State of California.	

These requirements will become effective for all construction permitted in the City of Pleasanton after January 1, 2011.