(ENFORCEMENT AGENCY
CAN CUSTOMIZE WITH LETTERHEAD/SEAL)

2008 Building Energy Efficiency Standards Residential HVAC Alterations Climate Zones 1 and 3 through 7

BUSINESS AND PROFESSIONS CODE, SECTION 7110

Willful or deliberate disregard and violation of the building laws, including the California Building Code, and local permit requirements constitutes a cause for disciplinary action from the Contractors State License Board working in conjunction with the local building department. This action may consist of fines up to $5,000 per violation or suspension/revocation of a contractor's license.

WHEN IS A PERMIT REQUIRED?

A written construction permit shall be obtained from the enforcement agency prior to the erection, construction, reconstruction, installation, relocation, or alteration of any mechanical system, except as permitted in Appendix Chapter 1, Section 112.2 of the 2007 California Mechanical Code. Projects requiring permits include, but are not limited to:

- New HVAC installation
- HVAC Changeout
- Replacement of furnace, coil, FAU, or condenser
- Relocation of an existing HVAC unit
- Adding or replacing more than 40ft ducting in unconditioned space

2008 BUILDING ENERGY EFFICIENCY STANDARDS (Title 24, Part 6) REQUIREMENTS INCLUDE:

1. Heating equipment must have a minimum 78% AFUE (Exception: Wall & floor furnaces; room heaters).
2. Central air conditioners & heat pumps less than 65,000 Btu/hr must have a minimum 13 SEER.
3. Newly installed or replaced ducts must have a minimum insulation value of R-4.2.
4. A setback type thermostat (24 hr clock with four set points) is required for all alterations.
5. New or replacement ducts must meet the mandatory requirements of Section 150(m):
   - All joints and openings in the in the HVAC system must be sealed.
   - Only UL 181, UL 181A, or UL 181B approved tapes or mastic shall be used to seal duct openings.
   - Connections of metals ducts and the inner core of flex ducts shall be mechanically fastened. Flex ducts must be connected using a metal sleeve/coupling.
   - Flex ducts that are suspended must be supported every 4ft. max for horizontal runs with no more than 2" of sag between supports and 6 ft. max for vertical runs.
6. The **CF-6R-MECH-04** must be completed and signed by the installing contractor. The Inspector will collect this form and verify that the model numbers are the same as the installed equipment.

Simplified Prescriptive Certificate of Compliance: 2008 *Residential HVAC Alterations*	**CF-1R-ALT-HVAC**
Climate Zones 1 and 3 - 7	

Site Address:	***Enforcement Agency:***	***Date:***	***Permit #:***

Equipment Type[1]	List Minimum Efficiency[2]		Conditioned Floor Area	Duct insulation requirement	Thermostat
☐ Packaged Unit ☐ Furnace ☐ Indoor Coil ☐ Condensing Unit ☐ Other _____	☐ AFUE____ ☐ SEER_____ ☐ EER _____	☐ COP_____ ☐ HSPF ____ ☐ Resistance	Served by system _____ sf	Over 40 ft of ducts added or replaced in unconditioned space ☐ R 6 *(CZ 1, 3-5)*	☐ Setback *(If not already present, must be installed)*

1. **Equipment Type**: Choose the equipment being installed; if more than one system, use another CF-1R-ALT-HVAC for each system.

2. **Minimum Equipment Efficiencies**: 13 SEER, 78% AFUE, 7.7HSPF for typical residential systems.

Contractor (Documentation Author's /Responsible Designer's Declaration Statement)

- I certify that this Certificate of Compliance documentation is accurate and complete.
- I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the design identified on this Certificate of Compliance.
- I certify that the energy features and performance specifications for the design identified on this Certificate of Compliance conform to the requirements of Title 24, Parts 1 and 6 of the California Code of Regulations.
- The design features identified on this Certificate of Compliance are consistent with the information documented on other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with the permit application.

Name:	Signature:
Company:	Date:
Address:	License:
City/State/Zip:	Phone: