

COUNTY OF TEHAMA

DEPARTMENT OF BUILDING & SAFETY

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RESIDENTIAL HVAC ALTERATIONS APPLICATION (ZONE 16 ONLY/MINERAL AREA)

2008 Energy Efficiency Standards for Residential HVAC Applications

For all applications on or after 1-1-2010, California has implemented new standards that will require the following:

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 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 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 metal 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 4 ft. max. for horizontal runs with no more than 2" of sag between supports and 6 ft. max. for vertical runs.

HERS Verification

HERS verification is required for all HVAC alterations in Climate Zone 16. The installer must pick one of the four options on the CF-1R-ALT-HVAC Form to describe the work being conducted. Each option will list the forms required to be at the jobsite for final inspection.

- CF-6R Forms shall be completed and submitted by the installing contractor for final inspection.
- CF-4R Forms shall be completed, registered with an approved HERS Provider (cannot be completed by hand), and submitted by the HERS Rater for final inspection effective January 1, 2010.

NOTE: The CF-6R-MECH-04 is required for all Commercial HVAC alterations. For Final inspection all compliance forms (CF-1R's, CF-6R's and CF-4R's) shall be registered with an approved HERS Provider for building permit applications submitted on or after October 1, 2010.