

## Simplified CF-1R-ALT-HVAC (Residential) for City of El Cajon (Climate Zone 10)

Site Address: \_\_\_\_\_ Permit #: \_\_\_\_\_ Date: \_\_\_\_\_

Package Unit  Furnace  Indoor Coil  Condensing Unit  Other

**Please be advised of the following minimum requirements.**

1. Minimum **Seasonal Energy Efficiency Ratio (SEER)** for air conditioning systems is **13**.
2. **Minimum Annual Fuel Utilization Efficiency (AFUE)** for fuel burning appliances is **78%**.
3. **Minimum Heating Seasonal Performance Factor (HSPF)** for heat pumps is **7.7**.
4. Minimum **duct insulation** (where over 40 ft. of duct is added or replaced) is **R6**.
5. A **Setback (programmable) thermostat** is required.

**Required Forms and duct leakage testing. Also known as Home Energy Rating System (HERS) testing. A copy of all required forms shall be left on site for final inspection and a copy given to the home owner.**

<input type="checkbox"/> <b>HVAC Change out</b> (All equipment replaced)	<b>Forms:</b>	(by installer) CF-6R MECH-4, (by HERS rater) MECH-21, MECH-25(split systems) (by HERS rater) CF-4R MECH-21 and MECH-25 (for split systems)
	<b>HERS testing: Required</b> Leakage < 15%	Exemptions for duct leakage testing: <input type="checkbox"/> Duct system previously sealed and tested (documentation required) <input type="checkbox"/> Duct system less than 40 ft. of duct. <input type="checkbox"/> Existing duct system with asbestos.
<input type="checkbox"/> <b>New HVAC</b> (New duct and equipment)	<b>Forms:</b>	CF-6R MECH-4 (by installer), MECH-20(by HERS rater), MECH-22&25(split systems) (by HERS rater) CF-4R MECH-20 and MECH-22&25 (for split systems)
	<b>HERS testing: Required</b> Leakage < 6%	
<input type="checkbox"/> <b>New Duct/Partial Equipment</b> (New duct and partial equip. changeout)	<b>Forms:</b>	(by installer), CF-6R MECH-4 MECH-20 (by HERS rater), MECH-25(split systems) (by HERS rater) CF-4R MECH-20 and MECH-25 (for split systems)
	<b>HERS testing: Required</b> Leakage < 6%	
<input type="checkbox"/> <b>New Duct</b> (add or replace over 40 feet)	<b>Forms:</b>	(by installer) CF-6R MECH-4 MECH-21 (by HERS rater) CF-4R MECH-21
	<b>HERS testing: Required</b> Leakage < 15%	Exemptions for duct leakage testing: <input type="checkbox"/> Existing duct system with asbestos.

**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 the certificate of compliance.
- I certify that the energy features and performance specifications for the design identified on the certificate of compliance conform to the requirements of Title 24, Parts 1 and 6 of the California Code of Regulations.
- The design features 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 agenda for approval with the permit application.

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

# Residential Change-Outs

Change-out is in Climate Zones 2, 9-16

**NO**

**YES**

Asbestos Free (System is not sealed, insulated or constructed with Asbestos)

**NO**

**YES**

Duct length in Unconditioned Space is 40 feet or longer

**NO**

**YES**

Work Includes any of the following:

**NO**

Replacement Package Unit

Complete Replacement Split System (HVAC unit)

Furnace/Air Handler

Cooling or Heating Coil

Furnace Head Exchanger

Outdoor Condensing Unit (Split System)

Heat Pump

Adding or replacing 40' or more of duct work

**YES**

**Duct Testing and Sealing is  
REQUIRED**

**Duct Testing and Sealing is  
NOT REQUIRED**