



CITY OF SIMI VALLEY
BUILDING AND SAFETY DIVISION

Technical Bulletin
California Mechanical and Energy Code

SUBJECT: NONRESIDENTIAL HVAC CHANGE-OUT FOR EXISTING PERMITTED EQUIPMENT - 2008 BUILDING ENERGY STANDARDS

EFFECTIVE DATE: 1/1/2010

A permit will be issued for each separate tenant space. Please provide the address and the suite number or tenant space at time of application.

See the attached list of forms applicable to your project. Compliance forms are required at plan check; Acceptance forms are required in the field for inspection approval. The forms and information on the completion of the applicable energy forms can be found in the 2008 Building Energy Efficiency Standards, Nonresidential Compliance Manual. Both forms and Compliance Manual can be found at:

http://www.energy.ca.gov/title24/2008standards/nonresidential_manual.html#forms

These forms can be completed by a California Energy Commission approved energy consultant, or a C-20 mechanical contractor. The forms may be completed in either the performance (computer modeled) or prescriptive method.

Note: Mandatory measures are required to be completed as applicable regardless of the method of energy compliance that is chosen.

The mechanical contractor is to verify that the new equipment does not exceed the weight of the existing approved equipment when doing a change-out. **This information is required with the permit application.**

The mechanical contractor must submit equipment anchorage information detailing location, size, and type of connectors; this is required to prevent equipment movement during seismic events. Equipment exceeding 400 pounds of weight requires a California licensed structural engineer's design. This is to include calculations for roof equipment support and attachment anchorage details (See California Mechanical Code section 1106.2, ASCE Chapter 13). **This information is required with permit application.**

All duct changes or modifications require mechanical plans to be submitted for plan check. **This information is required with permit application.**

If you have any additional questions regarding the installation of mechanical equipment please contact Simi Valley Building and Safety at 805 583-6723.

COMPLIANCE FORMS (Required at plan check / permit issuance)

- MECH-1-C** Certificate of Compliance – Always required; all pages are to be filled out.
- MECH-2-C** Air System Mandatory/Prescriptive Measures - Page 1 is always required; complete applicable sections.
- MECH-3-C** Mechanical Ventilation/Reheat limitation - Always required. Must fill out table A to I.
- MECH-4-C** Fan Power Consumption - Required any time each system has a total fan power above 25 hp.

ACCEPTANCE FORMS (Required at inspection)

- MECH-2-A** Ventilation System - Testing is required on all new systems, both new construction and retrofit.
- MECH-3-A** Constant Volume, single-zone, unitary A/C and Heat Pumps - Testing is required on all new packaged / split systems, both new construction and retrofit.
- MECH-4-A** Air Distribution Systems/Duct Leakage Testing. Section 144 (K) will determine if your change-out will require this form.
- MECH-5-A** Air-side Economizer controls – A test is required on all new air-side economizers for new construction and retrofits. A test does not apply to economizers that are installed at the factory and certified with the commission.
- MECH-6-A** Demand Control Ventilation (DVC) - If A Demand Control Ventilation Device is installed, this form and test must be completed.
- MECH-7-A** Supply Fan Variable Flow Control - If new VAV fan volume controls are installed on the new system, this form/test must be completed.