

fall under the Nonresidential Standards are designated “Nonresidential” including schools. It is possible for a building to include more than one building type.

PHASE OF CONSTRUCTION indicates the status of the building project described in the compliance documents. Refer to Section 1.6 for detailed discussion of the various choices.

1. NEW CONSTRUCTION should be checked for all new buildings, newly conditioned space or for new construction in existing buildings (tenant improvements, see Section 1.7.10.) that are submitted for envelope compliance.
2. ADDITION should be checked for an addition that is not treated as a stand-alone building, but which uses option 2 described in Section 1.7.12. Tenant improvements that increase conditioned floor area and volume are additions.
3. ALTERATION should be checked for alterations to an existing building mechanical systems (see Section 1.7.12). Tenant improvements are usually alterations.

PROOF OF MECHANICAL COMPLIANCE indicates how the mechanical system has been shown to comply. The mechanical system must comply before a permit to install a mechanical system is granted:

PREVIOUS MECHANICAL PERMIT indicates that the mechanical system has already been shown to comply. If so, the enforcement agency will have the mechanical forms on file. This method is typically used for alterations to existing space.

MECHANICAL COMPLIANCE ATTACHED is typically used for new buildings.

UNCONDITIONED SPACE requires the submittal of an affidavit indicating that no mechanical system is to be installed in the newly constructed, enclosed unconditioned building. If lighting is installed it must meet all the lighting requirements (see Section 1.7.11).

### ***Documentation Author’s Declaration Statement***

The CERTIFICATE OF COMPLIANCE is signed by both the Documentation Author and the Principal Mechanical Designer who is responsible for preparation of the plans of building. This latter person is also responsible for the energy compliance documentation, even if the actual work is delegated to a different person acting as Documentation Author. It is necessary that the compliance documentation be consistent with the plans.

DOCUMENTATION AUTHOR is the person who prepared the energy compliance documentation and who signs the Declaration Statement. The person’s telephone number is given to facilitate response to any questions that arise. A Documentation Author may have additional certifications such as an Energy Analyst or a Certified Energy Plans Examiner certification number. Enter number in the EA# or CEPE# box.

**Declaration Statement of Principle Mechanical Designer**

The Declaration Statement is signed by the person responsible for preparation of the plans for the building and the documentation author. This principal designer is also responsible for the energy compliance documentation, even if the actual work is delegated to someone else (the Documentation Author as described above). It is necessary that the compliance documentation be consistent with the plans. The Business and Professions Code governs who is qualified to prepare plans and therefore to sign this statement. See Section 2.2.2 Permit Application for applicable text from the Business and Professions Code.

**Mandatory Measures Note Block**

The person with overall responsibility must ensure that the Mandatory Measures that apply to the project are listed on the plans. The format of the list is left to the discretion of the Principal Designer.

**Sample Notes Block - Mechanical Mandatory Measures****Certification of Equipment Efficiency (§110 and §111)**

- Any appliance for which there is a California standard established in the Appliance Efficiency Regulations may be installed only if the manufacturer has certified to the Commission, as specified in those regulations, that the appliance complies with the applicable standard for that appliance. For certified appliances, go to [www.energy.ca.gov/appliances/database](http://www.energy.ca.gov/appliances/database)

**HVAC equipment efficiencies (§112)**

- Mechanical equipment installed in a building subject to these regulations must be certified as meeting certain minimum efficiency. These requirements are contained in §112. The AFUE, COP, EER, IPLV, combustion efficiency, and thermal efficiency values of all equipment must be determined using the applicable test method specified in the Standards.
- The following space-conditioning equipment may be installed only if the manufacturer has certified that the equipment meets or exceeds all applicable efficiency requirements of the Standards: all air conditioners, heat pumps and condensing units >135,000 Btu/hr; all water chillers;
- All gas and oil fired furnaces air furnaces with input rating >225,000 Btu/hr shall have an intermittent ignition or interrupted device (IDD), and have either power venting or a flue damper.

**Service Water Heating (§111 and §113).**

- Certification by Manufacturers. Any service water-heating system or equipment may be installed only if the manufacturer has certified that the system or equipment complies with all of the requirements of this subsection for that system or equipment
- Outlet temperature controls. On systems that have a total capacity greater than 167,000 Btu/hr, outlets that require higher than service water temperatures as listed in the ASHRAE Handbook, Applications Volume, shall have separate remote heaters, heat exchangers, or boosters to supply the outlet with the