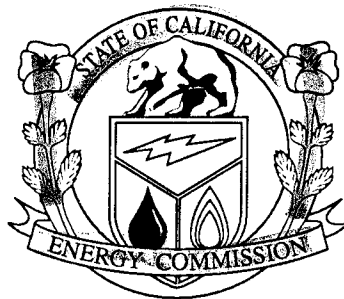
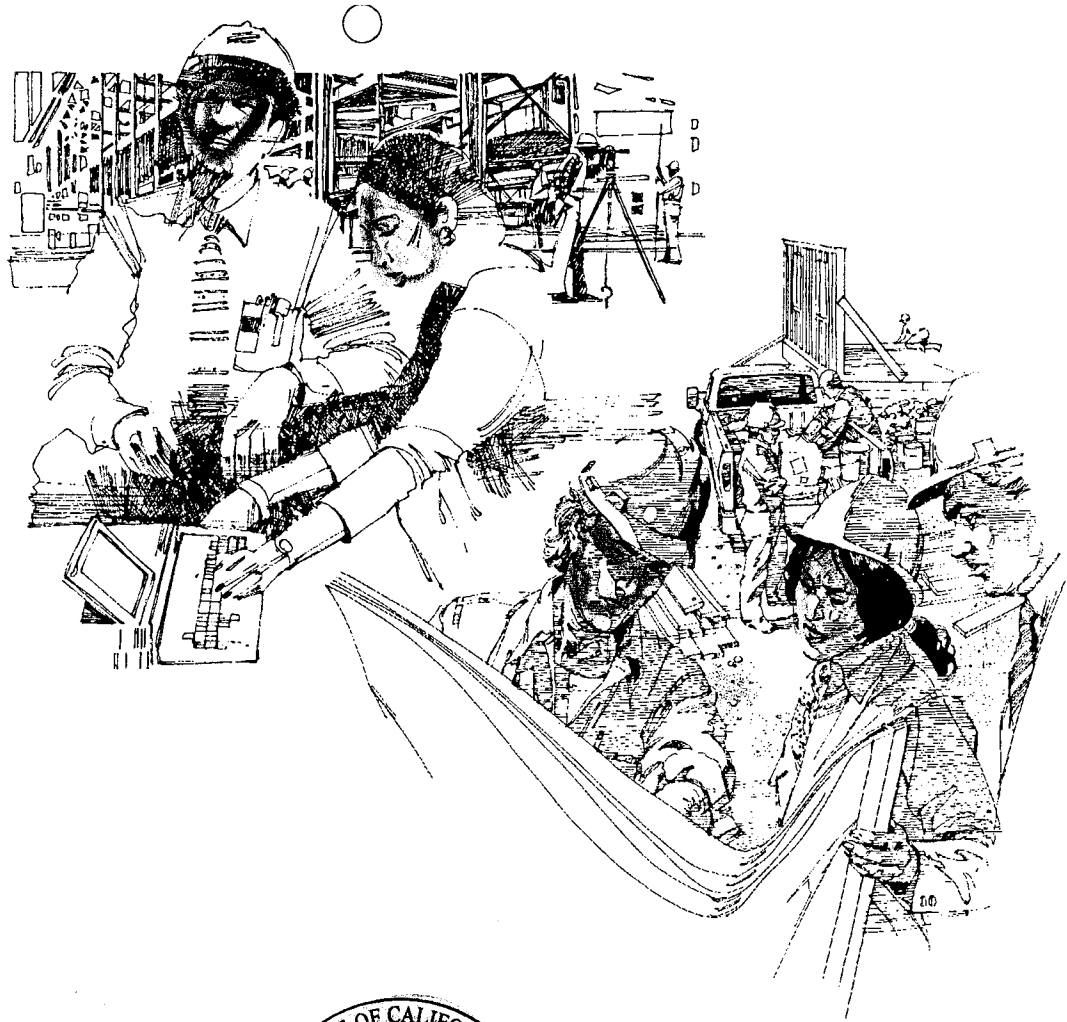


ENERGY EFFICIENCY STANDARDS FOR
**RESIDENTIAL AND
NONRESIDENTIAL BUILDINGS**

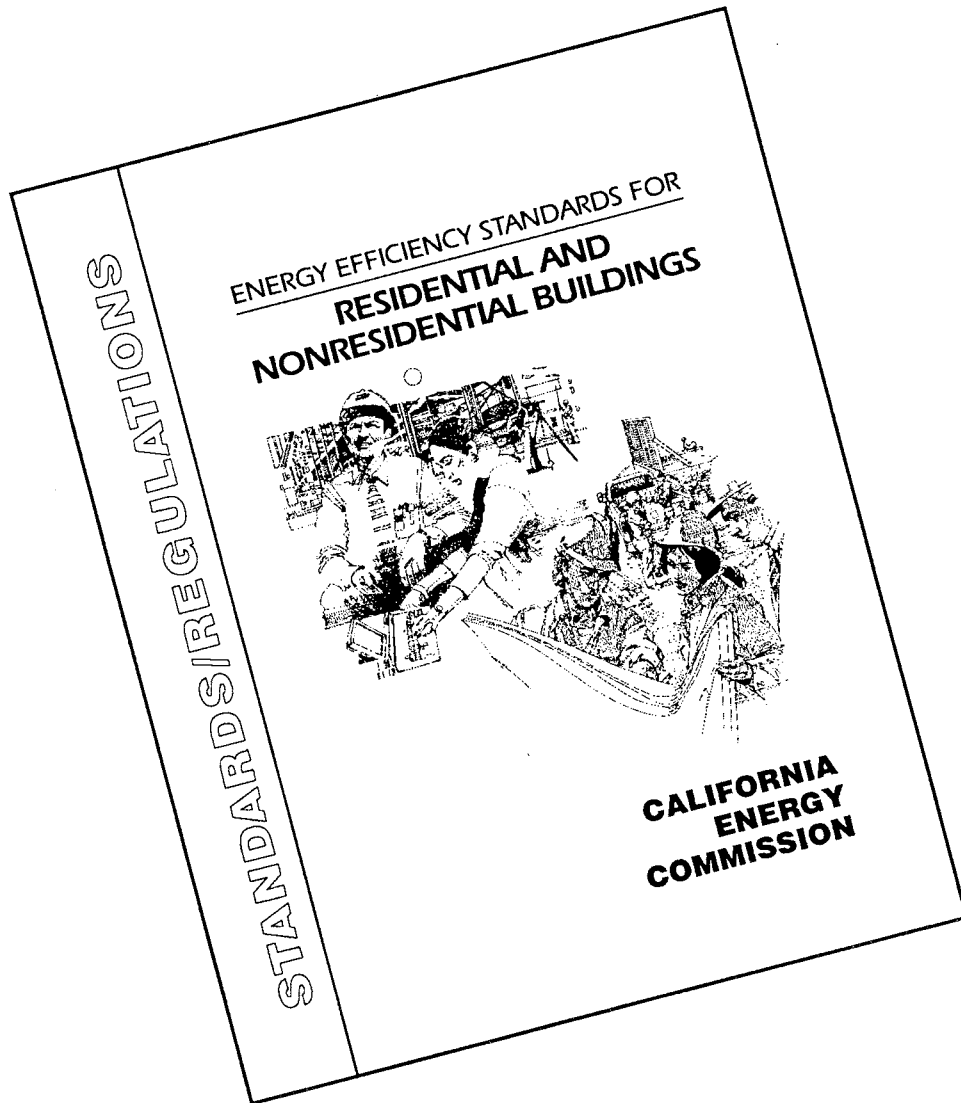


JULY 1992

**CALIFORNIA
ENERGY
COMMISSION**

Pete Wilson, *Governor*

P400-92-001



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ADMINISTRATIVE REGULATIONS

**CALIFORNIA CODE OF REGULATIONS
TITLE 24, Part 1**

ARTICLE 1.--ENERGY BUILDING REGULATIONS

Section 10-101. Scope.

- (a) This article contains administrative regulations relating to the energy building regulations in Part 6. This article applies to all residential and nonresidential buildings.
- (b) Nothing in this article lessens any necessary qualifications or responsibilities of licensed or registered building professionals or other designers or builders, or the duties of enforcement agencies, that exist under state or local law.

NOTE: Authority cited: Sections 25402 and 25402.1, Public Resources Code. Reference: Sections 25402 and 25402.1, Public Resources Code.

Section 10-102. Definitions.

In this article the following definitions apply:

"Appliance Standards" means the California Code of Regulations, Title 20, Chapter 2, Subchapter 4, Article 4, Sections 1601 to 1608.

"Approved Calculation Method" means a Public Domain Computer Program approved under Section 10-109(a), or any Alternative Calculation Method approved under Section 10-109(b).

"Alternative Calculation Method Approval Manual" or "ACM Manual" means the Alternative Calculation Method (ACM) Approval Manual for the 1992 Energy Efficiency Standards for Nonresidential buildings, April, 1992, (P400-92-011) for nonresidential buildings, hotels, and multi-family residential buildings with four or more stories and the Alternative Calculation Method (ACM) Approval Manual for the 1992 Energy Efficiency Standards for Residential Buildings April, 1992, (P400-92-003) for all single family and low-rise multi-family residential buildings.

July 1, 1992

"Building Permit" means an electrical, plumbing, mechanical, building, or other permit or approval, that is issued by an enforcement agency, and that authorizes any construction that is subject to Part 6.

"Part 6 means California Code of Regulations, Title 24, Part 6.

"Commission" means the State Energy Resources Conservation and Development Commission.

"Compliance approach" means any one of the allowable methods by which the design and construction of a building may be demonstrated to be in compliance with Part 6. The compliance approaches are the performance compliance approach and the prescriptive compliance approach. The requirements for each compliance approach are set forth in Section 100(d)2 of Part 6.

"Conditioned Floor Area" means "conditioned floor area" as defined in Section 101(b) of Part 6.

"Energy Budget" means "energy budget" as defined in Section 101(b) of Part 6.

"Enforcing Agency" means the city, county, or state agency responsible for issuing a building permit.

"Executive Director" means the Executive Director of the Commission.

"HVAC System" means "HVAC system" as defined in Section 101(b) of Part 6.

"Manufactured Device" means "manufactured device" as defined in Section 101(b) of Part 6.

"Public Adviser" means the Public Adviser of the Commission.

"R Value" means the measure of the resistance of a material or building component to the passage of heat in $[\text{hr} \times \text{ft}^2 \times \text{°F}] \div \text{Btu}$.

NOTE: Authority cited: Section 25402 and 25402.1, Public Resources Code. Reference: Section 25402 and 25402.1, Public Resources Code.

July 1, 1992

Section 10-103. Permit, Certificate, Informational, and Enforcement Requirements for Designers, Installers, Builders, Manufacturers, and Suppliers.

(a) Documentation.

(1) Responsibility for signing.

Each document described in Sections 10-103(a)2 and 10-103(a)3 shall be signed by the person responsible for its preparation. The signer shall be a civil engineer, mechanical engineer, electrical engineer, architect, general building contractor, mechanical contractor, or electrical contractor licensed or registered to practice by the State of California or other individual eligible under Division 3 of the Business and Professions Code to sign such documents. When Division 3 of the Business and Professions Code exempts a project from the requirement to have state licensed professionals or contractors assume responsibility for the project, the person responsible for the document's preparation shall sign the document and shall indicate the reason for the exemption in writing on the Certificate of Compliance. Document signers are subject to the limitations in Division 3 of the Business and Professions Code. If more than one person has responsibility for building design or construction, each person may prepare and sign the document or documents applicable to that portion of the design or construction for which the person was responsible; alternatively, the person with chief responsibility for design or construction may prepare and sign the document for the entire design or construction.

(2) Design; application for a building permit.

Each application for a building permit subject to Part 6 shall contain at least one copy of the documents listed in Sections 10-103(a)2.A., 10-103(a)2.B., and 10-103(a)2.C.

- (A)** For all new buildings designated to allow a conditioned use of an occupancy group or type regulated by Part 6 the applicant shall file the appropriate Certificate(s) of Compliance on the plans. The Certificate(s) shall indicate the features and performance specifications needed to comply with Part 6, and shall be approved by the local enforcement agency by stamp or authorized signature. The individual with overall responsibility for the design shall sign the Certificate(s) of Compliance. The Certificate(s) of Compliance shall be readily legible and of substantially similar format and

informational order and content to the appropriate Certificate(s) of Compliance in the appropriate ACM Manual.

- (B) Plans and specifications showing the characteristics of each feature, material, component, and manufactured device proposed to be installed in order to have the building meet the requirements of Part 6, and of any other feature, material, component, or manufactured device that Part 6 requires be indicated on the plans and specifications. If any characteristic of any such feature, material, component, or manufactured device is materially changed before final construction and installation, the change shall be indicated on amended plans and specifications and shall be submitted to the enforcement agency. Such characteristics shall include the efficiency (or other characteristic regulated by Part 6) of each device.
- (C) A designation of the compliance approach for the building, and of the sections of Part 6 with which the building is intended to comply.

If the application proposes a performance compliance approach, the designation shall contain the information required by the appropriate ACM Manual.

(3) Construction.

- (A) Before the enforcement agency determines whether the building may be occupied, the person with overall responsibility for construction or the person or persons responsible for the installation of regulated manufactured devices shall post, adjacent to the building permit(s) issued for the building, installation certificates for manufactured devices regulated by the appliance standards or Part 6.

These certificates shall:

1. identify features required to verify compliance with the appliance standards and Part 6;
2. include a statement indicating that the installed devices conform to the appliance standards and Part 6 and the requirements for such devices given in the plans and specifications approved by the local enforcement agency;

3. state the number of the building permit under which the construction or installation was performed.

(B) The enforcement agency may require the person with overall responsibility for the construction to provide any other reasonable information to determine that the building as constructed is consistent with approved plans and specifications and complies with Part 6.

(C) If construction on any portion of the building subject to Part 6 will be impossible to inspect because of subsequent construction, the enforcement agency may require the installation certificate(s) to be posted upon completion of that portion.

(4) **Insulation Certificate.**

After installing wall, ceiling, or floor insulation, the installer shall post in a conspicuous location in the building a certificate signed by the installer stating that the installation is consistent with the plans and specifications described in Section 10-403(a) 2.A. and for which the building permit was issued and conforms with the requirements of Part 6. The certificate shall also state the manufacturer's name and material identification, the installed R-value, and (in applications of loose fill insulation) the minimum installed weight per square foot consistent with the manufacturer's labeled installed design density for the desired R-value.

EXCEPTION: Enforcing agencies may exempt nonresidential buildings that have no more than 1,000 square feet of conditioned floor area and an occupant load of 49 persons or less from the requirements of Section 10-103(a), provided a statement of compliance with Part 6 is submitted and signed by a licensed engineer or the licensed architect with chief responsibility for the design.

(b) **Operating and Maintenance Information to Be Provided by Builder.**

(1) The builder shall provide the building owner, manager, and the original occupants the appropriate Certificate(s) of Compliance and a list of the features, materials, components, and mechanical devices installed in the building, and instructions on how to use them efficiently. The instructions shall be consistent with specifications set forth by the Executive Director.

(2) The builder shall provide maintenance information to the building owner, manager, and original occupant(s) for all features, materials, components,

