



CERTIFICATE OF COMPLIANCE	NRCC-CXR-03-E
Construction Documents (Page 1 of 2)	
Project Name:	Date Prepared:

A. General Information		
Climate Zone:	Building Type:	Conditioned Area (ft ²):
Reviewer's Name:	Reviewer's Agency:	
<i>Note: Design Review for each system/subsystem must be submitted</i>		
Enforcement Agency:	Permit Number:	
Enforcement Agency Use: Checked by	Enforcement Agency Use: Date	

B. Design Review Checklist							
Code Section	Measure	Design Reviewer			Designer Response		
		Yes. Complies	Does Not Comply	Consider Better Practice	Complies	Will include in Next Draft	Not Included - State Reason
SIMPLE HVAC SYSTEMS							
DESIGN - FAN SYSTEMS							
120.1(e)3	Measured outdoor air rates of constant volume mechanical ventilation and space conditioning systems shall be within 10% of required outside air rate.						
140.4(c)1	Fan power index at design conditions meets the following: 0.8 W/cfm supply air for constant volume fan systems with total horsepower over 25 hp.						
<i>Best Practices</i>	<i>Fans appear to be correctly sized for application, accounting for a factor of safety, diversity and redundancy issues.</i>						
CONTROLS							
110.2(c)	Controls for unitary single zone, air conditioners, heat pumps and furnaces must have a setback thermostat.						
140.4(m)	<p>Cooling systems identified in Table 140.4-D have fan controls to vary the indoor fan airflow as a function of load:</p> <ol style="list-style-type: none"> 1. DX and chilled water cooling systems that control capacity based on occupied space temperature have a minimum of 2 stages of control with no more than 66% speed operating at stage 1 and draw no more than 40% of fan power at full fan speed when operating at 66% speed. 2. Systems that control space temperature by modulating airflow to the space have proportional fan control such that at 50% air flow the power draw is no more than 30% of fan power at full fan speed. 3. Systems with air side economizer have a minimum of 2 speeds of fan control during economizer operation. 						
NOTES							



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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name:	Responsible Person Signature:
Company :	Date Signed:
Address:	License:
City/State/Zip:	Phone:

NRCC-CXR-03-E User Instructions

This compliance document is the design review checklist that must be completed by all projects that have HVAC systems that are NOT defined as Complex, per Section 100.1.

For projects that have more than one system type, the CERTIFICATE OF COMPLIANCE applicable to each system type should be completed. For example, if a project has a chilled water system with variable air volume air handlers serving the majority of the building and a packaged DX rooftop unit serving an individual space, both NRCC-CXR-03-E and NRCC-CXR-04-E should be completed.

NRCC-CXR-03-E or the Construction Document – Simple HVAC Systems Certificate of Compliance is the design review checklist that must be completed by all projects that have HVAC systems that are NOT defined as Complex, per Section 100.1.

Section A. General Information

1. CLIMATE ZONE is the California climate zone in which the project is located. See Reference Joint Appendix JA2 for a listing of climate zones.
2. BUILDING TYPE is specified because code requirements and design decisions are influenced by building type. It is possible for a building to include more than one building type.
3. CONDITIONED FLOOR AREA has a specific meaning under the Standards. The number entered here should match the floor area entered on the other compliance documents.
4. REVIEWER'S NAME identifies the reviewer by name.
5. REVIEWER'S AGENCY identifies the agency that the reviewer is representing.
6. ENFORCEMENT AGENCY identifies who has enforcement jurisdiction such as the county or city. The enforcement agency is the entity that issued the building permit.
7. PERMIT NUMBER is the number issued by the enforcement agency and is located on the building permit.

Section B. Design Review Checklist

The checklist is divided into the categories of Fan System Design and Controls. As for the NRCC-CXR-02-E, each measure in the checklist is identified as a mandatory, prescriptive or best practice item. There are two sections to be completed – the first three columns to the right of the measure description should be completed by the design reviewer. The next three columns to the far right are to be completed by the design engineer (referred to as designer on the compliance document).

Design Reviewer Section: Each measure should be categorized using the following three options: 1) "Yes. Complies", 2) "Does Not Comply", and 3) "Consider Better Practice". A measure may have both "Yes. Complies" and "Consider Better Practice" completed. If "Consider Better Practice" is checked, the design reviewer should identify the best practice measure that should be considered using the Notes section.

Designer Section: For those measures identified by the design reviewer as "Does Not Comply", the designer should respond with one of the following: "Complies", "Will Include in Next Draft", or "Not Included – State Reason". The notes section should also be used to clarify why a measure either complies or will not be included.

Documentation Author's Declaration Statement

The CERTIFICATE OF COMPLIANCE is signed by both the Documentation Author and the Principal 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 a Certified Energy Analyst or a Home Energy Rating System certification number. Enter number in the CEA# or HERS# field provided.

Declaration Statement of Principle 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.