

## 2016 CALGREEN AND ENERGY CODE-COMPLIANCE CHECKLIST FOR PRE-CHECKED (PC) PERMANENT AND MODULAR RELOCATABLE BUILDING DESIGNS

The form DSA 403-PC checklist is provided as a guide for submitting complete documents for a thorough and comprehensive plan review. Complete submittals must include all applicable items listed on the form DSA 403-PC, as indicated in [Procedure \(PR\) 18-02: Pre-Check \(PC\) Permanent and Modular Relocatable Building Designs CALGreen/Energy Code Compliance Review](#). All projects submitted for review must be submitted electronically. This form must be signed by the Owner, the Energy Consultant, and the Responsible Design Professional, and submitted to the Division of the State Architect (DSA) with the plan review documents. Non-conformance with these submittal requirements will result in a failed submittal and rejection of the plan review application.

<b>PROJECT INFORMATION</b>		DSA Application #:
<b>Submittal contains:</b> <input type="checkbox"/> Unconditioned Building <input type="checkbox"/> Conditioned Building <input type="checkbox"/> Both		
<b>For submittals of conditioned buildings, provide the following:</b> What is the square footage for the largest and smallest modular for this application? Smallest (or only modular size) _____ SF                      Largest _____ SF (if applicable) Is this PC designed for all climate zones in California? <input type="checkbox"/> Yes <input type="checkbox"/> No If "No," for which climate zone is this PC designed? _____		
<b>As applicable, a PDF of <i>each</i> of the following shall be uploaded to the DSAbbox CALGreen folder.</b>		
<input type="checkbox"/>	Construction documents incorporating all applicable information in Part 1 and Part 2 of this form.	
<input type="checkbox"/>	Construction or material specifications associated with the construction documents including product manufacturer cut sheets for mechanical equipment.	
<input type="checkbox"/>	Applicable Certificates of Compliance (PDF). (See PART 1, SECTION B)	
<input type="checkbox"/>	Completed form DSA 403-PC Checklist (PDF).	
<input type="checkbox"/>	Commissioning Forms (PDF). (Conditioned Buildings only. See PART 1, SECTION A)	
<input type="checkbox"/>	Performance Runs and Orientation Tables for the smallest (or only) building in the project for each climate zone. (Conditioned buildings only. Refer to sample on DSA PR 18-02.)	
<input type="checkbox"/>	Performance Runs and Orientation Tables for the largest building in the project for each climate zone. (Conditioned buildings only. Refer to sample on DSA PR 18-02.)	
<input type="checkbox"/>	Building Energy Analysis Report (PDF): For the smallest (or only) building in the project, submit for <b><i>each</i></b> climate zone the report with the least compliance margin. (Conditioned buildings only.)	
<input type="checkbox"/>	Building Energy Analysis Report (PDF): For the largest building in the project, submit for <b><i>each</i></b> climate zone the report with the least compliance margin. (Conditioned buildings only, if applicable.)	

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As the Manufacturer (Owner) I understand that the information indicated above is required for a complete project submittal. I have reviewed the Project Plans and the Building Energy Analysis Reports and have confirmed that all information indicated as required above is included in this submittal. Furthermore, I understand that if any required information is not provided with this initial submittal, the Project Plans will not be reviewed until all required information is provided.

**SIGNATURE REQUIRED HERE**

Print Name \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

**PART I: CALIFORNIA ENERGY COMMISSION  
COMPLIANCE FORMS CHECKLIST**

For **Conditioned** Buildings, Address SECTION A and SECTION B  
For **Unconditioned** Buildings, Address Only SECTION B

**Key:**

**R** = Required in Building Energy Analysis Report (PDF)    **P** = Copy of Compliance Form Required on Plans

**SECTION A (Conditioned Buildings Only)**

<b>COMMISSIONING (Design Review)</b>	R	<input type="checkbox"/>	<b>NRCC-CXR-01-E Cx Design Review Kickoff</b> Page # in Building Energy Analysis Report (PDF) _____		
	R	<input type="checkbox"/>	<b>NRCC-CXR-02-E Cx Construction Documents – General</b> Page # in Building Energy Analysis Report (PDF) _____		
	R	<input type="checkbox"/>	<b>NRCC-CXR-03-E Cx Construction Documents – Simple HVAC</b> Page # in Building Energy Analysis Report (PDF) _____		
	R	<input type="checkbox"/>	<b>NRCC-CXR-05-E Cx Design Review Signature Page</b> Page # in Building Energy Analysis Report (PDF) _____		
<b>ENERGY PERFORMANCE</b>	P	<input type="checkbox"/>	<b>Performance Runs and Orientation Tables</b> Sheet # in Plans _____		
	R	<input type="checkbox"/>	P	<input type="checkbox"/>	<b>NRCC-PRF-01-E Certificate of Compliance</b> Page # in Building Energy Analysis Report (PDF) _____ Sheet # in Plans _____
	R	<input type="checkbox"/>	P	<input type="checkbox"/>	<b>Part G of NRCC-PRF-01-E: Mandatory Measures</b> Complete the section indicated " <i>Location of Mandatory Notes on Plans.</i> " Page # in Building Energy Analysis Report (PDF) _____ Provide Nonresidential Mandatory Measures in Plans (PR 18-02 Attachment 3) Sheet # in Plans _____

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<b>SECTION B (Conditioned and Unconditioned Buildings)</b>					
<b>PLUMBING</b>	Is a Water Heater provided in the project? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide the following information:				
	R	<input type="checkbox"/>	P	<input type="checkbox"/>	<b>NRCC-PLB-01-E Water Heating Systems</b> Page in Certificates of Compliance (PDF) _____ Sheet # in Plans _____
<b>INDOOR LIGHTING</b>	Select one or both of the following (both may apply if submittal contains both conditioned and unconditioned buildings): <input type="checkbox"/> Conditioned building is modeled in NRCC-PRF-01-E Certificate of Compliance. Page in Building Energy Analysis Report _____ <input type="checkbox"/> Project contains an unconditioned building. Provide the following information:				
	R	<input type="checkbox"/>	P	<input type="checkbox"/>	<b>NRCC-LTI-01-E Indoor Lighting</b> Page in Certificates of Compliance (PDF) _____ Sheet # in Plans _____
	R	<input type="checkbox"/>	P	<input type="checkbox"/>	<b>NRCC-LTI-02-E Indoor Lighting Controls</b> Page in Certificates of Compliance (PDF) Sheet # in Plans _____
	R	<input type="checkbox"/>	<b>NRCC-LTI-03-E Indoor Lighting Power Allowance</b> Page in Certificates of Compliance (PDF) _____		
<b>OUTDOOR LIGHTING</b>	Is Outdoor Lighting provided in the project? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide the following information:				
	R	<input type="checkbox"/>	P	<input type="checkbox"/>	<b>NRCC-LTO-01-E Outdoor Lighting</b> Page # in Building Energy Analysis Report or Certificates of Compliance (PDF) _____ Sheet # in Plans _____
	R	<input type="checkbox"/>	P	<input type="checkbox"/>	<b>NRCC-LTO-02-E Outdoor Lighting Controls</b> Page # in Building Energy Analysis Report or Certificates of Compliance (PDF) _____ Sheet # in Plans _____
	R	<input type="checkbox"/>	<b>NRCC-LTO-03-E Outdoor Lighting Power Allowance</b> Page # in Building Energy Analysis Report or Certificates of Compliance (PDF) _____		
<b>ELECTRICAL</b>	Electrical is required for all projects:				
	R	<input type="checkbox"/>	P	<input type="checkbox"/>	<b>NRCC-ELC-01-E Electrical Power Distribution</b> Page # in Building Energy Analysis Report or Certificates of Compliance (PDF) _____ Sheet # in Plans _____

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<b>SOLAR READY</b>	<b>Solar Ready Is Required For All Projects:</b>	
	<b>R</b>	<input type="checkbox"/> <b>NRCC-SRA-01-E Solar Ready Areas</b> Page # in Building Energy Analysis Report or Certificates of Compliance (PDF) _____
	<b>R</b>	<input type="checkbox"/> <b>NRCC-SRA-02-E Minimum Solar Zone Area Worksheet</b> Page # in Building Energy Analysis Report or Certificates of Compliance (PDF) _____
	Is roof slope 2:12 or higher? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide the following _____	
	<b>P</b>	<input type="checkbox"/> <b>Solar Zone Diagram</b> Sheet # in Plans _____

**PART 1: COMPLIANCE STATEMENT BY ENERGY CONSULTANT – SIGNATURE REQUIRED BELOW**

As the Energy Consultant (Documentation Author), I declare that I have reviewed this project plans submittal and affirm that the project plans are in compliance with the requirements of the current Energy Code (Title 24, Part 6), and all the energy compliance forms are included in the project submittal.

Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Energy Consultant License # \_\_\_\_\_

**PART 1: COMPLIANCE STATEMENT BY RESPONSIBLE DESIGNER – SIGNATURE REQUIRED BELOW**

As Responsible Designer (Architect or Structural Engineer), I declare that I have reviewed this project plans submittal and affirm that the project plans are in compliance with the requirements of the current Energy Code (Title 24, Part 6), and the required information is included in the project submittal. I further acknowledge that upon installation of equipment and material identified on compliance forms, I will ensure that the appropriate tests are conducted and the associated acceptance forms are completed, signed, and submitted, and that the project construction complies with Energy Efficiency Regulations.

[http://www.energy.ca.gov/title24/2016standards/nonresidential\\_manual.html](http://www.energy.ca.gov/title24/2016standards/nonresidential_manual.html)

Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Type of License and Registration Number (Architect or Engineer, #) \_\_\_\_\_

**2016 CALGREEN AND ENERGY CODE-COMPLIANCE CHECKLIST FOR  
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**PART 2: CALGREEN MANDATORY MEASURES CHECKLIST**

*All sections must be addressed for a complete submittal.*

For information on the CALGreen Mandatory Measures, refer to DSA guideline publication GL-4:

[www.documents.dgs.ca.gov/dsa/pubs/GL\\_4.pdf](http://www.documents.dgs.ca.gov/dsa/pubs/GL_4.pdf)

<b>WATER EFFICIENCY</b>	<b>Water Conserving Plumbing Fixtures and Fittings</b>	
	<b>5.303.3</b>	<input type="checkbox"/> No plumbing fixtures provided in the project.  <input type="checkbox"/> Plumbing fixture flow rates are shown on plumbing fixture schedule. Sheet # in Plans _____
<b>MATERIAL CONSERVATION &amp; RESOURCE EFFICIENCY</b>	<b>Water Resistance and Moisture Management:</b>	
	<b>5.407.2.2.1</b>	<input type="checkbox"/> Plans and finish schedule show the location of the minimum required interior door protection and indicate the non-absorbent floor and wall finishes to be installed 2 feet around and perpendicular to the primary entrances.  Sheet # in Plans _____
	<b>5.407.2.2.2</b>	<input type="checkbox"/> Plans and sections indicate the minimum exterior door protection with the location and details for a 4 feet deep awning, roof overhang, recessed area, or other appropriate method at the primary entrances.  Sheet # in Plans _____
	<b>5.407.2.2.2</b>	<input type="checkbox"/> Details indicate flashings integrated with a drainage plane.  Sheet # in Plans _____
	<b>Construction Waste Management:</b>	
	<input type="checkbox"/> Provide a letter from the local waste and recycling facility used by the manufacturer which specifies a construction waste management plan identifying the criteria in A and B below.	
	<b>OR</b>	
	<input type="checkbox"/> Provide a waste management plan in the construction documents identifying the criteria in A through F below. Specification Section or Sheet number in Plan _____	
	<b>5.408.1</b>	<input type="checkbox"/> A) Recycles and/or salvages for reuse a minimum of 65% of the nonhazardous construction waste <input type="checkbox"/> B) Waste management company is able to provide verifiable documentation that 65% of construction waste material will be diverted. <input type="checkbox"/> C) Specifies if construction waste materials will be sorted on-site or bulk mixed. <input type="checkbox"/> D) Diversion facility where construction waste will be taken. <input type="checkbox"/> E) Specifies if the amount of construction waste is calculated by weight or volume. <input type="checkbox"/> F) The construction waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project, or salvaged for future use or sale.

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<b>ENVIRONMENTAL QUALITY</b>	<b>Pollutant Control:</b> For applicable finish materials, provide the Specification Section or Sheet number where the information may be found in the plans. All others marked not applicable with "N/A."	
	<b>5.504.4.1</b>	<input type="checkbox"/> Adhesive, sealants and caulks comply with VOC limits in Tables 5.504.4.1 and 5.504.4.2 Specification Section or Sheet # in Plans _____
	<b>5.504.4.3</b>	<input type="checkbox"/> Paints and coatings comply with VOC limits in Table 5.504.4.3 and requirements of 5.504.4.3 Specification Section or Sheet # in Plans _____
	<b>5.504.4.4</b>	<input type="checkbox"/> Carpet systems meet testing and product requirements of Table 5.504.4.4 Specification Section or Sheet # in Plans _____
		<input type="checkbox"/> Carpet cushion meets Carpet and Rug Institute's Green Label Program Specification Section or Sheet # in Plans _____
		<input type="checkbox"/> Carpet adhesive complies with VOC limits in Table 5.504.4.1 Specification Section or Sheet # in Plans _____
	<b>5.504.4.5</b>	<input type="checkbox"/> Hardwood plywood, particleboard, and medium density fiberboard composite wood products meet formaldehyde requirements and limits Specification Section or Sheet # in Plans _____
	<b>5.504.4.6</b>	<input type="checkbox"/> Resilient flooring systems meet testing and product requirements Specification Section or Sheet # in Plans _____
	<b>Filter Specification</b> (required for conditioned buildings only):	
	<b>5.504.3</b>	<input type="checkbox"/> Covering of duct openings and protection of mechanical equipment during construction and shipment Specification Section or Sheet # in Plans _____
	<b>5.504.5.3</b>	<input type="checkbox"/> Mechanical specification or note includes information requiring a minimum MERV 8 filter(s) or higher. Specification Section or Sheet # in Plans _____
	<b>Indoor Moisture Control:</b> Please check all that apply for buildings or building variations included in this submittal.	
	<b>5.505.1</b>	<input type="checkbox"/> Attic is vented. Meet requirements of CBC 1203.2. Sheet # in Plans _____
		<input type="checkbox"/> Attic is unvented and room below has suspended acoustical tile ceiling. Sheet # in Plans _____
<input type="checkbox"/> Attic is unvented and room below has painted gypsum board ceiling. Meet requirements of CBC 1203.3. Sheet # in Plans _____		
<input type="checkbox"/> Building has raised floor foundation and requires underfloor ventilation. Meet requirements of CBC 1203.4.1. Sheet # in Plans _____		

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ENVIRONMENTAL QUALITY	<b>Indoor Air Quality:</b>		
	<b>5.506.1</b>	<input type="checkbox"/> Spaces are designed with outdoor ventilation requirements in accordance with California Energy Code (CEC) Section 120.1. Outdoor air calculations shall be shown on the plans in accordance with CEC 120.1(a)2. Sheet # in Plans _____	
		<input type="checkbox"/> Provide note on plans regarding operation and maintenance materials to owner.	
		For conditioned classroom buildings (select one or both if project has HVAC options).	
		<input type="checkbox"/> Outdoor air in classrooms is designed to 0.38 cfm per SF or greater, with occupant sensor ventilation control device per CEC 120.2(e)3. Note on plans is provided per DSA PR 18-02. Sheet # in Plans _____	
		<input type="checkbox"/> Outdoor air in classrooms is designed to minimum or greater than 0.38 cfm per SF and HVAC system is provided with an economizer and demand control ventilation devices per CEC 120.1(c)4.	
	<b>Environmental Comfort:</b>		
	<b>5.507.4.1</b>	<b>Exterior Noise Transmission:</b> <input type="checkbox"/> Exterior wall and roof ceiling assemblies meet minimum 50 STC and windows meet minimum 40 STC. Wall Tested Detail/Sheet # _____ Roof Tested Detail/Sheet # _____	
		<b>OR</b>	
		<input type="checkbox"/> A note on the coversheet that states: "This PC will not be placed in any of the following locations: 1. Within the 65 CNEL noise contour of an airport; 2. Within the 65 CNEL or Ldn noise contour of a freeway, expressway, railroad, or industrial source guideway; 3. Where exposed to noise level of 65dB Leq-1-hr during any hour of operation."	
<b>5.507.4.3</b>	<b>Interior Sound Transmission:</b> <input type="checkbox"/> Interior walls meet minimum 40 STC. Wall Tested Detail/Sheet # _____		

**PART 2: COMPLIANCE STATEMENT BY RESPONSIBLE DESIGNER – SIGNATURE REQUIRED BELOW**

As Design Professional in General Responsible Charge (Architect or Structural Engineer), I declare that the applicable mandatory measures for nonresidential buildings of the current CALGreen Code (Title 24, Part 11) indicated as required for K-12 public schools and community colleges are incorporated in the design of the building and documented in the construction documents and specifications for the project.

Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Type of License and Registration Number (Architect or Engineer, #) \_\_\_\_\_