

REFRIGERATED WAREHOUSE 3000 FT² OR GREATER



CERTIFICATE OF COMPLIANCE		NRCC-PRC-07-E
Refrigerated Warehouse ≥ 3,000 ft ²		(Page 1 of 4)
Project Name:	Date Prepared:	

A. GENERAL INFORMATION

Building Type: Refrigerated Warehouse ≥ 3,000 ft² Refrigerated Warehouse < 3,000 ft²

(Note: If the Refrigerated Warehouse space is < 3,000 ft², then it must meet the requirements of the Appliance Efficiency Regulations for walk-in coolers or freezers contained in the Appliance Efficiency Regulations (California Code of Regulations, Title 20, Sections 1601 through 1608).

B. ENVELOPE REQUIREMENTS								
Insulation Details								
01	02		03	04	05	06	07	
Tag/ID ¹	SPACE ²		Productive Underslab Heating ³	Assembly Type ⁴	Installed Insulation R-value ⁵	Minimum Required Insulation R-Value ⁶	Assembly Compliance ⁷	
	Cooler	Freezer					PASS	FAIL
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>
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C. MANDATORY MEASURES	T-24 Sections	Indicate page reference on the plans				
Underslab Heating (e.g. GHX-1)	§120.6(a)2					
Electric resistance heat is not used for purposes of underslab heating.						
Exception 1 to §120.6(a)2. The exempted electric resistance underslab heat is thermostatically controlled and disabled during the summer on-peak period defined by the local electric utility.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Evaporator ID or tags (e.g. Evap-1)	§120.6(a)3B					
New fan-powered evaporators: electronically commutated or minimum of 70% efficient motor (in accordance with NEMA Standard MG 1-2006) on all single phase fan motors <1 hp and <460 V.		§120.6(a)3A				
New fan-powered evaporators served by a suction group with multiple compressors, or by a single compressor with variable capacity capability: Variable speed fans, controlled in response to space temperature or humidity.						
Exception 1 to §120.6(a)3B. Exempted evaporator(s) that add, alter, or replace less than all of the existing evaporators that do not have speed control.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exception 2 to §120.6(a)3B. Exempted evaporator(s) within a cooler that maintain a Controlled Atmosphere in which the fans must constantly operate at 100% of the design airflow.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exception 3 to §120.6(a)3B. Exempted evaporator(s) in a refrigerated warehouse that are designed solely for the purpose of quick chilling or freezing of products. (space with design cooling capacities of greater than 240 Btu/hr-ft ²)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
01 Total floor area of the space served by evaporator(s). (ft ²)						
02 Design cooling capacity for the space served by evaporators. (Btu/hr)						
03 C02 / C01 . Exempt if C03 > 240 Btu/hr-ft ²						
Evaporator fans served by a single compressor without variable capacity shall utilize controls to reduce airflow by at least 40% for at least 75% of the time when the compressor is not running.	§120.6(a)3C					
Exception 1 to §120.6(a)3C. Exempted evaporators in a refrigerated warehouse that are designed solely for the purpose of quick chilling or freezing of products. (space with design cooling capacities of greater than 240 Btu/hr-ft ²)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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D. MANDATORY INFILTRATION BARRIERS					
<u>01</u>	<u>02</u>	<u>03</u>	<u>04</u>		<u>05</u>
Barrier Name ¹	Area ²	Purpose of Opening ³	Exempt ^{2,4}		Barrier Type ⁵
			Yes	No	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
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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 Designer Name:	Responsible Designer Signature:
Company :	Date Signed:
Address:	License:
City/State/Zip:	Phone:

NRCC-PRC-07-E User Instructions

This is the form for refrigerated warehouses greater than or equal to 3,000 ft², which provides compliance information for the use of the enforcement agency's field inspectors. This form must be included on the plans. A copy of this form should also be submitted to the enforcement agency along with the rest of the compliance submittal at the time of building permit application.

Project Description

PROJECT NAME is the title of the project, as shown on the plans and known to the enforcement agency.

DATE is the last revision date of the plans. If the plans are revised after this date, it may be necessary to re-submit the compliance documentation to reflect the altered design. Note that it is the enforcement agency's discretion whether to require new compliance documentation or not.

Section A. General Information

BUILDING TYPE, the checkboxes are used to determine if the refrigerated warehouse is less than 3,000 ft² or if the refrigerated warehouse is equal to or greater than 3,000 ft².

Section B. Envelope Requirements

1. TAG/ID - Indicate the identification name that matches the building plans.
2. SPACE - Indicate the type of storage space.
3. PRODUCTIVE UNDERSLAB HEATING - Is the underslab heating provided by a heat exchanger that provides productive refrigeration capacity on the associated refrigeration system?
4. ASSEMBLY TYPE - Is the assembly a wall, ceiling/roof, or floor?
5. INSTALLED INSULATION R-VALUE - List the R-value of the installed assembly.
6. MINIMUM REQUIRED INSULATION R-VALUE - This value can be obtained from §120.6, Table 120.6-A.
7. ASSEMBLY COMPLIANCE Does the installed insulation R-value comply with the mandatory insulation requirements of §120.6, Table 120.6-A required R-value?

Section C. Mandatory Measures

The mandatory measures must be incorporated into the construction documents. Left column list the measures and the section numbers in the Building Efficiency Standards where the requirements for those measures are specified. The columns labeled *Indicate Page Reference on Plans or Schedule* are for designating the specific sheet on the plans or specification section(s) where the measures used to comply with the Standards are documented. In each column, the documentation author shall identify where each of the required measures are specified on the plans or in the project specifications. Where a measure is not applicable to the specific system, the letters "NA" (for not applicable) are placed in the cell. Groups of similar systems can be entered in a single column where appropriate.

Section D. Mandatory Infiltration Barriers

1. BARRIER NAME - Enter the name of the infiltration barrier as identified in the building plans.
2. AREA - Enter the area of the opening that the infiltration barrier will fill.
3. PURPOSE OF OPENING - Is the opening a dock, passageway between a freezer and a higher temperature space, passageway between a cooler and a non-refrigerated space, passageway between two freezers, or a passageway between two coolers?
4. EXEMPT - The barrier is exempt from §120.6(a)6 if it is a dock doorway for trailers or if the opening is less than 16 ft². §120.6(a)6 does not apply to the barrier if the passageway is between two freezers or two coolers.
5. BARRIER TYPE - Is the infiltration barrier strip curtains, an automatically-closing door, or an air curtain? If the barrier is exempt, enter N/A.

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# box.

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.