CERTIFICATE OF COMPLIANCE	NRCC-PRC-05-E
Commercial Refrigeration	(Page 1 of 5)
Project Name:	Date Prepared:

A. GENERAL INFORMATION

Building Area: ☐ Retail Food Store Conditioned Area ≥ 8,000 ft^2
☐ Retail Food Store Conditioned Area < 8,000 ft^2

(Note: If the Retail Food Store Conditioned Area is < 8,000 ft^2 then the Retail Food Store need not comply)

Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration

B. MANDATORY REQUIREMENTS

Are new condensers replacing existing condensers when:

The attached compressor system total heat of rejection does not increase? Yes ○ No ◉

Less than 25% of the attached compressors and the attached refrigerated display cases are new? Yes ◉ No ◉

*If **Yes** to both questions for all systems, the condenser(s) need not comply (exception §120.6(b)). Continue to page 3 or 4.*

CONDENSER MANDATORY MEASURE	*T-24 Sections*	*Indicate page reference for information on the plans or specification, or list information below*					
Condenser ID or Tag (e.g. Cond-1)							
Continuously variable speed fans? Fan speed controlled in unison for all fans serving a common condenser high side?	§120.6(b)1A						
Saturated condensing temperature setpoint reset based on ambient dry bulb temperature for air-cooled condensers and ambient wet bulb temperature for evaporative condensers?	§120.6(b)1B,C						
Specify the minimum saturated condensing temperature setpoint. Complies if the minimum saturated condensing temperature setpoint ≤ 70ºF.	§120.6(b)1D						
Minimum allowed condenser efficiency. Reference Table 120.6-C.	§120.6(b)1E						
Installed condenser specific efficiency from worksheet CR-2C							
Is the installed condenser efficiency ≥ the minimum allowed condenser efficiency?		☐	☐	☐	☐	☐	☐
Exception 1 to §120.6(b)1E. Condenser with total heat rejection capacity of < 150,000 Btuh at the specific efficiency conditions.		☐	☐	☐	☐	☐	☐
Exception 2to §120.6(b)1E. Condenser operating in Climate Zone 1.		☐					
Exception 3 to §120.6(b)1E. Existing condenser reused for an addition or alteration.		☐	☐	☐	☐	☐	☐
Air-cooled Condenser Installed? If Yes then Fill Out Next 3 Rows	§120.6(b)1F						
Fin density (fins per inch). Complies if fin density ≤10.							
Exception 1 to §120.6(b)1F. Condenser is a micro-channel condenser.		☐	☐	☐	☐	☐	☐
Exception 2 to §120.6(b)1F. Existing condenser is being reused.		☐	☐	☐	☐	☐	☐

Existing compressor system reused? If Yes, the compressor system need not comply. Yes ○ No ◉

*If **Yes** to both questions for all systems, the condensers need not comply (exception §120.6(b)). Continue to page 4 or 4.*

CERTIFICATE OF COMPLIANCE	NRCC-PRC-05-E
Commercial Refrigeration	(Page 2 of 5)
Project Name:	Date Prepared:

COMPRESSOR SYSTEM MANDATORY MEASURES	*T-24 Sections*	*Indicate page reference for information on the plans or specification, or list information below*					
Compressor System / Suction Group ID or Tag (e.g. Rack A)							
Saturated suction temperature setpoint reset based on the temperature requirements of the attached refrigeration display cases or walk-ins?	§120.6(b)2A	☐	☐	☐	☐	☐	☐
Exception 1 to §120.6(b)2A. Single compressor system with no variable capacity capability.		☐	☐	☐	☐	☐	☐
Exception 2 to §120.6(b)2A. Suction group with design saturated suction temperature (SST) ≥ 30ºF.		☐	☐	☐	☐	☐	☐
Exception 2 to §120.6(b)2A. Suction group comprises of the high stage of a two-stage or a cascade system.		☐	☐	☐	☐	☐	☐
Exception 2 to §120.6(b)2A. Suction group serves the secondary cooling fluid (e.g. glycol) chiller.		☐	☐	☐	☐	☐	☐
Design Saturated Suction Temperature (SST) ≤ -10ºF and Suction Group Design Cooling Capacity Greater than 100,000 Btu/hr? If Yes then Fill Out the Next 3 Rows	§120.6(b)2B	☐	☐	☐	☐	☐	☐
Subcooled liquid temperature at the exit of the subcooler. Complies if the temperature is ≤ 50ºF.							
Specify the saturated suction temperature (SST) of the suction group doing the subcooling. Complies if SST ≥18ºF.							
Exception 1 to §120.6(b)2B. Suction group is the low temperature suction group of a cascade system.		☐	☐	☐	☐	☐	☐

CERTIFICATE OF COMPLIANCE	NRCC-PRC-05-E
Commercial Refrigeration	(Page 3 of 5)
Project Name:	Date Prepared:

REFRIGERATED DISPLAY CASES MANDATORY MEASURES		***T-24 Sections***	***Indicate page reference for information on the plans or specification, or list information below***		
Refrigerated Display Cases					
Lights in the refrigerated display cases and lights installed on walk-in glass doors automatically turned off during non-business hours, or reduced by 50% of lighting power within 30 minutes after the nearby area is vacated?		§120.6(b)3	Yes ◯ No ◯		
Exception 1 to §120.6(b)3. Retail Food Store is open for business for 140 hours or more per week.			☐		
HEAT RECOVERY MANDATORY MEASURES		***T-24 Sections***	***Indicate page reference for information on the plans or specification, or list information below***		
Heat Recovery System ID or Tag (e.g. HR-1)					
Heat recovery of at least 25% of the sum of the total heat rejection of the refrigeration systems with > 150,000 Btuh individual total heat rejection at design conditions?		§120.6(b)4A	☐	☐	☐
Identify the page in plans showing the heat recovery calculations or attach the calculations to this form.					
Exception 1 to §120.6(b)4A. Retail Food Store located in Climate Zone 15.			☐		
Exception 2 to §120.6(b)4A. Reused refrigeration and HVAC systems for an addition or alteration.					
Identify the page number in plans showing the charge increase calculations or attach the calculations to this from.		§120.6(b)4B			
A	Specify the increase in refrigerant charge associated with heat recovery equipment and piping in lbs				
B	Specify the total amount of heat recovery heating capacity in MBH [MBH = 1,000 Btuh]				
C	A / B. Complies if C < 0.35 lbs/MBH.				

Project Name: | Date Prepared:

C. Fan-Powered Condenser Specific Efficiency Worksheet

☐ **EVAPORATIVE CONDENSER**

	Fans				Pumps				Condenser		
	A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**
Tag/ID	Motor Power (HP)[1]	Motor Efficiency	Motor Input Power (kW) 0.746 * A / B	Total Fan Power (kW)	Motor Power (HP)	Motor Efficiency	Motor Input Power (kW) 0.746 * E / F	Total Pump Power (kW)	Capacity (MBH)[2]	Total Input Power (kW) D + H	Specific Efficiency (Btuh/Watt) I / J
	Fan 1 ___ Fan 2 ___ Fan 3 ___	Fan 1 ___ Fan 2 ___ Fan 3 ___	Fan 1 ___ Fan 2 ___ Fan 3 ___	0	Pump 1 ___ Pump 2 ___	Pump 1 ___ Pump 2 ___	Pump 1 ___ Pump 2 ___	0		0	
	Fan 1 ___ Fan 2 ___ Fan 3 ___	Fan 1 ___ Fan 2 ___ Fan 3 ___	Fan 1 ___ Fan 2 ___ Fan 3 ___	0	Pump 1 ___ Pump 2 ___	Pump 1 ___ Pump 2 ___	Pump 1 ___ Pump 2 ___	0		0	

1. *Enter the nominal HP for each fan motor. If the manufacturer specifies the input power in kW, then skip to column C and enter it there.*
2. *Enter the rated capacity of the condenser at 100ºF saturated condensing temperature and 70ºF ambient wetbulb temperature.*

☐ **AIR-COOLED CONDENSER**

	Fans				Condenser	
	A	**B**	**C**	**D**	**E**	**F**
Tag/ID	Number of Fans	Motor Power (HP)[1]	Motor Efficiency	Total Input Power (Watts) 0.746 * A * B / C	Capacity (Btuh)[2]	Specific Efficiency (Btuh/Watt) E / D

1. *Enter the nominal HP for each fan motor. If the manufacturer specifies the input power in kW, then skip to column D and enter it there.*
2. *Enter the rated capacity of the condenser at 105ºF saturated condensing temperature and 95ºF ambient drybulb temperature (10ºF temperature difference).*

CERTIFICATE OF COMPLIANCE	NRCC-PRC-05-E
Commercial Refrigeration	(Page 5 of 5)

Project Name:	Date Prepared:

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:

1. The information provided on this Certificate of Compliance is true and correct.
2. 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).
3. 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.
4. 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.
5. 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: