



CERTIFICATE OF ACCEPTANCE		NRCA-PRC-04-F
Refrigerated Warehouse Evaporator & Evaporator Fan Motor Controls Acceptance		(Page 1 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

<i>Note: This test required for all newly installed evaporators. Submit one Certificate of Acceptance for each evaporator that must demonstrate compliance.</i>	Enforcement Agency Use: Checked by/Date
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<b>Intent:</b>	<i>Verify that the evaporator fans are controlled to modulate their speed in response to space temperature. For control strategies that utilize relative humidity for control, the design engineer should be consulted for designing an appropriate test method.</i>
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<b>A. Construction Inspection</b>	
<p>A. Installation. Verify the following:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> All refrigerated space temperature sensors used for control are verified to be mounted in a location away from direct evaporator discharge air draft.</li> <li><input type="checkbox"/> All fans motors are operational and rotating in the correct direction.</li> <li><input type="checkbox"/> Fan speed control is operational and connected to evaporator fan motors.</li> <li><input type="checkbox"/> All speed controls are in "auto" mode.</li> </ul>	
<p>B. Field Calibration:</p> <p>Sensors used for control must be calibrated to read accurate from the control system. Calibration values must be documented. Attached field calibration records to this form. The following sensors are used for air-cooled condenser control:</p> <ul style="list-style-type: none"> <li>• Refrigerated space temperature sensors used for control</li> </ul> <p>The calibrating instrument used to calibrate the sensors used for control must have the following accuracy:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Temperature: <math>\pm 0.7^{\circ}\text{F}</math> between <math>-30^{\circ}\text{F}</math> and <math>200^{\circ}\text{F}</math></li> </ul>	
Notes:	

B. Functional Testing	Results
Record the zone temperature setpoint:	°F
<b>Step 1: Disable any conflicting controls (such as defrost override) if currently active. Measure current space temperature from the operators interface. Program this temperature as the test temperature setpoint into the control system for the functional test steps. Allow 5 minutes for system to normalize.</b>	
<b>Step 2: Lower the test temperature setpoint in 1 degree increments.</b>	
a. Evaporator fan controls modulate to increase fan motor speed?	Y / N
b. Evaporator fan motor speed increases in response to controls?	Y / N
<b>Step 3: Raise the test temperature setpoint in 1 degree increments until fans go to minimum speed.</b>	
a. Evaporator fan controls modulate to decrease fan motor speed?	Y / N
b. Evaporator fan motor speed decreases in response to controls?	Y / N
c. Record the minimum fan motor control speed. Enter, with units, as rpm, Hertz, or percent of full speed.	
<b>Step 4: Restore control system to original zone space setpoint and restore controls disabled in Step #1.</b>	Y / N

C. Testing Results	PASS / FAIL	
Step 1: Evaporator fans increase speed when actual space temperature is higher than the test setpoint (plus any deadband).	<input type="checkbox"/>	<input type="checkbox"/>
Step 2: Evaporator fans decrease speed when actual space temperature is lower than the space setpoint (plus any deadband).	<input type="checkbox"/>	<input type="checkbox"/>

<b>D. Evaluation</b>	
<input type="checkbox"/> PASS: All <b>Construction Inspection</b> responses are complete and all <b>Testing Results</b> responses are "Pass"	
Notes:	



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<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b>		
1. I certify that this Certificate of Acceptance documentation is accurate and complete.		
Documentation Author Name:	Documentation Author Signature:	
Documentation Author Company Name:	Date Signed:	
Address:	CEA/HERS/ATT Certification Identification (If applicable):	
City/State/Zip:	Phone:	
<b>FIELD TECHNICIAN'S DECLARATION STATEMENT</b>		
I certify the following under penalty of perjury, under the laws of the State of California:		
<ol style="list-style-type: none"> <li>The information provided on this Certificate of Acceptance is true and correct.</li> <li>I am the person who performed the acceptance verification reported on this Certificate of Acceptance (Field Technician).</li> <li>The construction or installation identified on this Certificate of Acceptance complies with the applicable acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7.</li> <li>I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and signed by the responsible builder/installer and has been posted or made available with the building permit(s) issued for the building.</li> </ol>		
Field Technician Name:	Field Technician Signature:	
Field Technician Company Name:	Position with Company (Title):	
Address:	CEA/HERS/ATT Certification Identification (If applicable):	
City/State/Zip:	Phone:	Date Signed:
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b>		
I certify the following under penalty of perjury, under the laws of the State of California:		
<ol style="list-style-type: none"> <li>I am the Field Technician, or the Field Technician is acting on my behalf as my employee or my agent and I have reviewed the information provided on this Certificate of Acceptance.</li> <li>I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Acceptance and attest to the declarations in this statement (responsible acceptance person).</li> <li>The information provided on this Certificate of Acceptance substantiates that the construction or installation identified on this Certificate of Acceptance complies with the acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7.</li> <li>I have confirmed that the Certificate(s) of Installation for the construction or installation identified on this Certificate of Acceptance has been completed and is posted or made available with the building permit(s) issued for the building.</li> <li>I will ensure that a completed, signed copy of this Certificate of Acceptance shall be posted, or 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 signed copy of this Certificate of Acceptance is required to be included with the documentation the builder provides to the building owner at occupancy.</li> </ol>		
Responsible Acceptance Person Name:	Responsible Acceptance Person Signature:	
Responsible Acceptance Person Company Name:	Position with Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:

### NRCA-PRC-04-F User Instructions

#### Section A. Construction Inspection

This section consists of check boxes for checking the condition of the sensors, equipment and systems before beginning the actual test. Complete each check box to confirm that the construction inspection is complete for all items.

#### Section B. Functional Testing

This section consists of the steps followed during the acceptance test. Enter data as instructed in each column or answer either yes or no to the yes/no questions.

#### Section C. Testing Results

This section consists of data entry requirements for the results of the test(s). Enter data associated with the appropriate system type as instructed.

#### Section D. Evaluation

This section briefly describes the steps followed during the acceptance test. Enter either Pass or Fail in the boxes next to the steps. Any portion that fails should be explained in the given rows.

#### Documentation Author's Declaration Statement

- NAME is the name of the person completing this form.
- COMPANY is the name of the company the DOCUMENTATION AUTHOR represents.
- ADDRESS is the address of the COMPANY.
- CITY/STATE/ZIP is the city, state and zip code of the COMPANY.
- SIGNATURE is the signature of the DOCUMENTATION AUTHOR.
- DATE is the date on which the acceptance test was completed and the DOCUMENTATION AUTHOR signed the form.
- CEA OR CEPE CERTIFICATION # is the certification number of the CEA (Certified Energy Auditor) or CEPE (Certified Energy Plans Examiner) certification, in case the DOCUMENTATION AUTHOR is CEA or CEPE certified.
- PHONE is the phone number where the DOCUMENTATION AUTHOR can be reached during regular business hours.

#### Field Technician's Declaration Statement

The FIELD TECHNICIAN is responsible for performing and documenting the results of the acceptance procedures on the Certificate of Acceptance forms. The FIELD TECHNICIAN must sign the Certificate of Acceptance to certify that the information he or she provides on the Certificate of Acceptance is true and correct. It is important to note that the FIELD TECHNICIAN is not required to have a contractor's, architect's or engineer's license.

- COMPANY NAME is the name of the company that the FIELD TECHNICIAN represents.
- FIELD TECHNICIAN'S NAME is the name of the FIELD TECHNICIAN.
- FIELD TECHNICIAN'S SIGNATURE is the signature of the FIELD TECHNICIAN.
- DATE SIGNED is the date on which the acceptance test was completed and the FIELD TECHNICIAN signed the form.
- POSITION WITH COMPANY (TITLE) is the title of the FIELD TECHNICIAN in the company he represents, e.g. SENIOR ELECTRICAL TECHNICIAN.

**Responsible Person's Declaration Statement**

A RESPONSIBLE PERSON is eligible under Division 3 of the Business and Professions code in the applicable classification, to take responsibility for the scope of work specified by the Certificate of Acceptance document. The RESPONSIBLE PERSON can also perform the field testing and verification work, and if this is the case, the RESPONSIBLE PERSON must complete and sign both the FIELD TECHNICIAN's SIGNATURE block and the RESPONSIBLE PERSON'S SIGNATURE block on the Certificate of Acceptance form. The RESPONSIBLE PERSON assumes responsibility for the acceptance testing work performed by the FIELD TECHNICIAN agent or employee.

- COMPANY NAME is the name of the company the RESPONSIBLE PERSON represents.
- PHONE is the phone number where the RESPONSIBLE PERSON can be reached during regular business hours.
- RESPONSIBLE PERSON'S NAME is the name of the RESPONSIBLE PERSON.
- RESPONSIBLE PERSON'S SIGNATURE is the signature of the RESPONSIBLE PERSON.
- LICENSE is the professional license number of the RESPONSIBLE PERSON.
- DATE SIGNED is the date on which the acceptance test was signed by the RESPONSIBLE PERSON.
- POSITION WITH COMPANY (TITLE) is the title of the RESPONSIBLE PERSON in the company he represents, e.g. SENIOR ELECTRICAL ENGINEER.