Project Name/Address:	
System Name or Identification/Tag:	System Location or Area Served:

Enforcement Agency:	Permit Number:
Note: Submit one Certificate of Acceptance for each system that must demonstrate compliance.	Enforcement Agency Use: Checked by/Date

Documentation Author's Declaration Statement

- **I certify that this Certificate of Acceptance documentation is accurate and complete.**

Name:	Signature:
Company :	Date:
Address:	If Applicable: ☐ CEA or ☐ CEPE (Certification #):
City/State/Zip:	Phone:

FIELD TECHNICIAN'S DECLARATION STATEMENT

- I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct.
- I am the person who performed the acceptance requirements verification reported on this Certificate of Acceptance (Field Technician).
- I certify that the construction/installation identified on this form 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.
- I have confirmed that the Installation Certificate(s) for the construction/installation identified on this form has been completed and is posted or made available with the building permit(s) issued for the building.

Company Name:		
Field Technician's Name:		Field Technician's Signature:
	Date Signed:	Position With Company (Title):

RESPONSIBLE PERSON'S DECLARATION STATEMENT

- I certify under penalty of perjury, under the laws of the State of California, that 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 form.
- I am a licensed contractor, architect, or engineer, who is eligible under Division 3 of the Business and Professions Code, in the applicable classification, to take responsibility for the scope of work specified on this document and attest to the declarations in this statement (responsible person).
- I certify that the information provided on this form substantiates that the construction/installation identified on this form 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.
- I have confirmed that the Installation Certificate(s) for the construction/installation identified on this form has been completed and is posted or made available with the building permit(s) issued for the building.
- 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.

Company Name:		Phone:
Responsible Person's Name:		Responsible Person's Signature:
License:	Date Signed:	Position With Company (Title):

NA7.10.3.2 Air-cooled Condenser Controls Acceptance

Project Name/Address:	
System Name or Identification/Tag:	System Location or Area Served:

Intent: *Verify that the air-cooled condenser has ambient drybulb following control and fan motor variable speed control*

Construction Inspection

1 No instrumentation is needed to perform test

2 Installation

- ☐ Verify the minimum condensing temperature control set point is at or below 70°F.
- ☐ Verify the master system controller saturated condensing temperature input is the temperature equivalent reading of the condenser pressure sensor.
- ☐ Verify all drain leg pressure regulator valves are set below the minimum condensing temperature/pressure set point.
- ☐ Verify all receiver pressurization valves, such as the outlet pressure regulator (OPR), are set lower than the drain leg pressure regulator valve setting.
- ☐ Verify all condenser inlet and outlet pressure sensors read accurately (or provide an appropriate offset) using a pressure standard.
- ☐ Verify all ambient dry bulb temperature sensors used by controller read accurately (or provide an appropriate offset) using a temperature standard.
- ☐ Verify all temperature sensors used by the controller are mounted in a location that is not exposed to direct sunlight.
- ☐ Verify that all sensor readings used by the condenser controller convert or calculate to the correct conversion units at the controller (e.g., saturated pressure reading is correctly converted to appropriate saturated temperature, etc.)
- ☐ Verify that all fan motors are operational and rotating in the correct direction.
- ☐ Verify that all condenser fan speed controls are operational and connected to condenser fan motors to operate in unison with the fans serving a common condenser loop.
- ☐ Verify that all speed controls are in "auto" mode.

A. Functional Testing ***Note: The system cooling load must be sufficiently high to run the test. Artificially increase evaporator loads or decrease compressor capacity (manually turn off compressors, etc.) as may be required to perform the Functional Testing.***	**Results**
Step 1: Override any heat reclaim, floating suction pressure, floating head pressure and defrost functionality before performing functional tests.	
Step 2: Document current outdoor ambient air dry bulb temperature and refrigeration system condensing temperature/condensing pressure readings from the control system. Calculate and document the temperature difference (TD), defined as the difference between the dry bulb temperature and the refrigeration system saturated condensing temperature (SCT). Document current head pressure control set point.	
a. Ambient drybulb temperature	°F
b. Refrigeration system condensing temperature / pressure	°F psig
c. TD	°F
d. Current head pressure control setpoint	°F psig
Step 3: Using the desired condenser fan motor cycling or head pressure control strategy, program into the control system a set point equal to the reading or calculation obtained in Step 2. This will be referred to as the "test set point." Allow 5 minutes for condenser fan speed to normalize.	
Step 4: Using the control system, raise the test set point in 1 degree (or 3 psi) increments until the condenser fan control modulates to minimum fan motor speed. Verify the following:	

Project Name/Address:	
System Name or Identification/Tag:	System Location or Area Served:

a. Fan motor speed decreases.	Y / N
b. All condenser fan motors serving common condenser loop decrease speed in unison in response to controller output.	Y / N
c. Minimum fan motor control speed (rpm or percent of full speed).	rpm %
d. If the refrigeration system is already operating at minimum saturated condensing temperature/head pressure, reverse Steps #4 and 5.	Y / N
Step 5: Using the control system, lower the test set point in 1 degree (or 3 psi) increments until the condenser fan control modulates to increase fan motor speed. Verify the following:	
a. Fan motor speed increases.	Y / N
b. All condenser fan motors serving common condenser loop increase speed in unison in response to controller output.	Y / N
Step 6: Document the current minimum condensing temperature set point. Using the control system, change the minimum condensing temperature set point to a value greater than the current operating condensing temperature. Verify the following:	
a. Current minimum condensing temperature set point.	°F
b. Condenser fan controls modulate to decrease capacity.	Y / N
c. All condenser fans serving common condenser loop modulate in unison.	Y / N
d. Condenser fan controls stabilize within a 5 minute period.	Y / N
Step 7: Using the control system, reset the system head pressure controls, fan motor controls and minimum condensing temperature control set point to original settings documented in Steps #2 and 6.	Y / N
Step 8: Restore any heat reclaim, floating suction pressure, floating head pressure and defrost functionality. Reset the minimum condensing temperature set point to the value documented in Step #6.	Y / N

B. Testing Results	**PASS**	**FAIL**
Step 4: Using the control system, raise the test set point in 1 degree (or 3 psi) increments until the condenser fan control modulates to minimum fan motor speed.		
Step 5: Using the control system, lower the test set point in 1 degree (or 3 psi) increments until the condenser fan control modulates to increase fan motor speed.		
Step 6: Document the current minimum condensing temperature set point. Using the control system, change the minimum condensing temperature set point to a value greater than the current operating condensing temperature.		

C. Evaluation:	
☐	PASS: All **Construction Inspection** responses are complete and all **Testing Results** responses are "Pass"