STATE OF CALIFORNIA

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CERTIF	ICATE OF ACCEPTANCE			NRCA-MCH-17-A	
Conde	nser Water Supply Temperature Reset Conti	rols Acceptan	ce	(Page 1 of 3	
Project Nar	ne:	Enforcement Ag	gency:	Permit Number:	
Project Add	lress:	City:		Zip Code:	
System Name or Identification/Tag:		System Location	n or Area Served:		
	ubmit one Certificate of Acceptance for each syst strate compliance.	em that must	Enforcement Agency Use: Checked by/[	Date	
Inter	nt: Ensure that the condenser water sup	pply temperati	ure is automatically reset as indicated	in the control sequence(s).	
	nstruction Inspection				
1. Supp	porting documentation needed to perform t	est may includ	de, but is not limited to:		
a.	. As-built and/or Design Documents, including Mechanical Equipment Schedules and control schedules.				
b.	2013 Building Energy Efficiency Standards Nonresidential Compliance Manual (NA7.5.65 Condenser Water Supply Temperature Reset Controls Acceptance At-A-Glance).				
c.	Building Energy Efficiency Standards Non	residential Ap	pendix (Section NA7).		
2. Insti	rumentation to perform test includes, but is	not limited to	o:		
a.	Hand-held temperature sensor				
	Date of calibration (mus	st be within 1	year)		
b.	Hand-held relative humidity or wet-bulb	temperature s	sensor		
	Date of calibration (mus	st be within 1	year)		
3. Insta	allation Verification:				
	Check if the condenser water supply system building plans or as-built.	em and contro	ol system are installed per the system	design, as documented on the	
	Check if condenser water supply tempera available and documented in the building		sequence, including condenser water	supply high and low limits, are	
	Check if all cooling tower fan motors are connected to cooling tower fan motors p				
	Check if cooling tower fan control sequen documented in the building documents.	ce, including t	tower design wetbulb temperature an	d approach, are available and	
	Check if the following temperature sensor water, and leaving chilled water. Note an			retbulb, entering condenser	

Document that all system temperature and relative humidity sensors are factory or field calibrated or perform field check (check one of the following):

Sensors are calibrated by others.

Factory calibrated, or Field-calibrated by control contractor or technician, commissioning agent, or other.

Calibration complete, all sensors ±2% of calibrated reference sensor (provide supporting documentation).

I have performed a field check using a calibrated temperature standard (i.e. device that has been calibrated within the last 12 months).

Check complete, all sensors ±2% of calibrated reference sensor (provide supporting documentation, including results from system sensors and calibrated reference standard).

5. From the control system, or using temperature sensors, document the following:

Outdoor air drybulb temperature ° F	Outdoor air wetbulb temperature ° F
Entering condenser water temperature° F	Leaving chilled water temperature° F

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Condenser Water Supply Temperature Reset Controls Acceptance  Project Name:    Enforcement Agency:   Permit Number:	(Page 2 of 3)
B. Functional Testing  The system cooling load must be sufficiently high to run the test. If necessary, artificially increase the cooling / to perform the functional tests. If necessary, reverse Steps 1 & 2 in the test based on atmospheric conditions at EXEMPTION: If the control sequence differs significantly from that implied by the tests, and / or has already bee the building commissioning process, attach a description of the control sequence, a description of the tests that verify the system operates according to the sequence, the test results, and a plot of any associated trend data.  Reset control parameter is:  Outside air wet-bulb temperature  Condenser water & chilled water temperatures  Other  Step 1: Adjust the reset control parameter to decrease the condenser water temperature (toward the lower supple a. Condenser water temperature controls modulate as intended.  Yes  b. Actual condenser water supply temperature decreases to meet new set point ± 2°F.  Yes	
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Condenser water & chilled water temperatures  Other  Step 1: Adjust the reset control parameter to decrease the condenser water temperature (toward the lower supplementation as intended.  Condenser water temperature controls modulate as intended.  Yes  Actual condenser water supply temperature decreases to meet new set point ± 2°F.  Yes	_
a. Condenser water temperature controls modulate as intended.  b. Actual condenser water supply temperature decreases to meet new set point ± 2°F.  Yes	
a. Condenser water temperature controls modulate as intended.  b. Actual condenser water supply temperature decreases to meet new set point ± 2°F.  Yes	ly temp. limit).
	No
c. Cooling tower fan(s) stage properly and/or adjust speed accordingly to meet lower set point. Yes	No
- 1	No
d. Chiller load amps decrease. Yes	No
Step 2: Adjust the reset control parameter to increase the condenser water temperature (toward the upper suppl	y temp. limit).
a. Condenser water temperature controls modulate as intended.  Yes	No
b. Actual condenser water supply temperature increases to meet new set point ± 2°F. Yes	No
c. Cooling tower fan(s) stage properly and/or adjust speed accordingly to meet upper set point. Yes	No
d. Chiller load amps increase. Yes	No
Step 3: Restore reset control parameter to automatic control.	
a. Condenser water temperature controls modulate as intended.	No
b. Actual condenser water supply temperature changes to meet new set point ± 2°F. Yes	No
c. Cooling tower fan(s) stage properly and/or adjust speed accordingly to meet set point.	No
C. Evaluation	
□ PASS: All Construction Inspection responses are complete and Functional Testing Results are all circled YE	S.
Notes:	

C. Evaluation		
	PASS: All Construction Inspection responses are complete and Functional Testing Results are all circled YES.	
Notes:		

STATE OF CALIFORNIA

## CONDENSER WATER SUPPLY TEMPERATURE RESET CONTROLS ACCEPTANCE

ON ON

CEC-NRCA-MCH-17-A (Revised 01/16)

CALIFORNIA ENERGY COMMISSION

CEC-INCA-MCH-17-A (REVISED 01710)  CALIFORNIA ENERGY COMMISSION				
CERTIFICATE OF ACCEPTANCE NRCA-MCH-17-A				
Condenser Water Supply Temperature Reset Controls Acceptance (Page 3 of				
Project Name:	Enforcement Agency:		Permit Number:	
Project Address:	City:		Zip Code:	
System Name or Identification/Tag:	System Location or Are	ea Served:		
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT				
		and complete		
I. I certify that this Certificate of Acceptance documental Documentation Author Name:		Documentation Author Signature:		
Documentation Author Name.		Documentation Author Signature.		
Documentation Author Company Name:		Date Signed:		
Address:		ATT Certification Identification (If applicable):		
City/State/Zip:		Phone:		
FIELD TECHNICIAN'S DECLARATION STATEMENT				
I certify the following under penalty of perjury, under the				
<ol> <li>The information provided on this Certificate of Accep</li> </ol>				
2. I am the person who performed the acceptance verifi				
3. The construction or installation identified on this Cert				
indicated in the plans and specifications approved by		t agency, and conforms to the applicat	ole acceptance requirements	
and procedures specified in Reference Nonresidentia	• •			
4. I have confirmed that the Certificate(s) of Installation				
been completed and signed by the responsible builde	er/installer and ha	as been posted or made available with	the building permit(s) issued	
for the building.	ľ			
	Field Technician Name: Field Technician Signature:			
Field Technician Company Name:		Position with Company (Title):		
Address:	Address: ATT Certification (if applicable):			
City/State/Zip:		Phone: D	ate Signed:	
RESPONSIBLE PERSON'S DECLARATION STATEMENT				
I certify the following under penalty of perjury, under the				
1. 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.				
2. I am eligible under Division 3 of the Business and Prof	fessions Code in t	the applicable classification to accept r	esponsibility for the system	
design, construction or installation of features, mater	rials, components	, or manufactured devices for the sco	pe of work identified on this	
Certificate of Acceptance and attest to the declaration	ns in this stateme	ent (responsible acceptance person).		
3. The information provided on this Certificate of Acceptance substantiates that the construction or installation identified on this Certificate				
of Acceptance complies with the acceptance requirer	ments indicated ir	n the plans and specifications approve	d by the enforcement agency,	
and conforms to the applicable acceptance requireme	ents and procedu	res specified in Reference Nonresiden	tial Appendix NA7.	
4. I have confirmed that the Certificate(s) of Installation				
been completed and is posted or made available with			·	
5. I will ensure that a completed, signed copy of this Cer			le 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.				
Responsible Acceptance Person Name: Responsible Acceptance Person Signature:				

Position with Company (Title):

CSLB License:

Phone:

Responsible Acceptance Person Company Name:

Address:

City/State/Zip:

Date Signed: