



Project Name and Address	Authority Having Jurisdiction
Name: Project Name	Enforcement Agency: Agency
Address: Project Address	Permit Number: Permit Number
City, Zip: City, Zip Code	Permit Application Date: Date

Building: Enter Value	Floor: Enter Value	Room: Enter Value	Control/tag: Value
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<input type="checkbox"/> Construction inspection and functional testing comply	Date Submitted to AHJ: Date
<input type="checkbox"/> Does Not Comply	

Intent:	Ensure that the central demand shed sequences have been properly programmed into the DDC system. Reference NRCC-MCH-E for nonresidential (including nonresidential spaces in high-rise multifamily) building permits or LMCC-MCH-E <u>or LMCC-PRF-E</u> for nonresidential spaces in low-rise multifamily building permits <u>or NRCC-PRF-E for the performance path</u> . Submit one Certificate of Acceptance for each zonal HVAC control system that must demonstrate compliance. References: §110.12(a), §110.12(b), §120.2(h), §120.5(a)10, §160.3(a)2G, §160.3(d)1J, and NA7.5.10.
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Table A: Construction Inspection

Prior to functional testing, verify and document all of the following:

Step	Entry	Item	Code Reference
1	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify access to the following required documentation: -Designs specific to the Energy Management Control System (EMCS) and demand response control system (if separate) as approved by the authority having jurisdiction.	N/A
2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify access to the NRCC-MCH-E or LMCC-MCH-E <u>or NRCC-PRF-E or LMCC-PRF-E</u> as approved by the authority having jurisdiction.	N/A
3.1, or	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	Verify access to a printed copy of the OpenADR 2.0a or OpenADR 2.0b <u>or a certified Baseline Profile OpenADR 3.0</u> Virtual End Node (VEN) certificate for the demand response control system.	§110.12(a)1A
3.2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> N/A	Verify access to a certificate from the manufacturer that the demand response control system is certified to the Energy Commission stating that the demand response control system is and is capable of responding to a demand response signal from a certified OpenADR 2.0b <u>or a certified Baseline Profile OpenADR 3.0</u> Virtual End Node by automatically implementing the control functions requested by the Virtual End Node for the equipment it controls.	§110.12(a)1B

Step	Entry	Item	Code Reference
4	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that the EMCS interface can enable activation of the central demand shed controls.	NA7.5.10.1(a)
5	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that the demand responsive controls are capable of communicating using one or more of the following for communications that occur within the building: Wi-Fi, ZigBee, BACnet, Ethernet, or hard wiring.	§110.12(a)2
6	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify and document that when the demand responsive control communications are signal is disabled or unavailable, all demand responsive controls shall continue to perform all other control functions provided by the control.	§110.12(a)4
7	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify and document that the demand response control system thermostat has been certified to the Energy Commission as meeting all of the requirements in Reference Joint Appendix JA5 (Occupant Controlled Smart Thermostat).	§110.12(a)5
8	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify and document that the controls are programmed to provide an adjustable rate of change for the temperature setup increase, decrease, and reset.	§110.12(b)4
9	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify and document that the controls have the following feature: Disabled. Disabled by authorized facility operators.	§110.12(b)5A
10	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify and document that the controls have the following feature: Manual control. Manual control by authorized facility operators to allow adjustment of heating and cooling set points globally from a single point in the EMCS.	§110.12(b)5B
11	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Indicate that the Construction Inspection complies with ALL requirements.	N/A

Table B: Functional Testing for Automatic Demand Shed Control Acceptance

Step	Entry	Functional Test	Code Reference
1	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Engage the global demand shed system with the HVAC system in cooling mode. Maintain this status for Steps 2 through 3.	NA7.5.10.2 Step 1, §110.12(b)5C
2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that the cooling setpoint in non-critical spaces increases by the proper amount (4 degrees or more).	NA7.5.10.2 Step 1(a), §110.12(b)1

Step	Entry	Functional Test	Code Reference
3	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that the cooling setpoint in critical spaces <u>does</u> not change.	NA7.5.10.2 Step 1(b)
4	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Engage the global demand shed system with the HVAC system in heating mode. Maintain this status for Steps 5 through 6.	§110.12(b)5C
5	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that the heating setpoint in non-critical spaces decreases by the proper amount (4 degrees or more).	§110.12(b)2
64	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Disengage the global demand shed system. Maintain this status for Steps 75 through 86 .	NA7.5.10.2 Step 2, §110.12(b)5C
75	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that the cooling setpoint in non-critical spaces <u>returns</u> to their original values.	NA7.5.10.2 Step 2(c), §110.12(b)3
86	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that the cooling setpoint in critical spaces <u>does</u> not change.	NA7.5.10.2 Step 2(d), §110.12(b)3
97	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Return the system to normal operating conditions.	NA7.5.10.2 Step 3 N/A
108	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Indicate that the Functional Test complies with ALL requirements.	N/A



Declaration Statement	Signatory
Document Author I assert that this Certificate of Acceptance documentation is accurate and complete.	Name Company Name Author Signature Date Signed
Acceptance Test Technician I certify the following under penalty of perjury, under the laws of the State of California: The information provided on this Certificate of Acceptance is true and correct. I am the person who performed the acceptance verification reported on this Certificate of Acceptance (Field Technician). 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. 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.	Name Company Name ATT No.: ATT Cert. No. Title Phone Signature Date Signed
Responsible Person I assert the following under penalty of perjury, under the laws of the State of California: 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. 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). 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. 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. I understand 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, and I will take the necessary steps to ensure this requirement is accomplished. 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, and I will take the necessary steps to ensure this requirement is accomplished.	Name Company Name Lic. No.: License No. Title Phone Signature Date Signed