



12-A

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 <input type="checkbox"/> Does not comply	Date Submitted to AHJ: Date
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Intent:	Submit one Certificate of Acceptance for each Fault Detection and Diagnostics (FDD) system that must demonstrate compliance. Reference NRCC-MCH-E for nonresidential (including nonresidential spaces in high-rise multifamily) building permits or LMCC-MCH-E for nonresidential spaces in low-rise multifamily building permits <u>or LMCC-PRF-E or -NRCC-PRF-E for the performance path</u> . This acceptance test is recommended to be performed in conjunction with NRCA-MCH-02-A (Outside Air) and NRCA-MCH-05-A (Air Economizer Controls). References: §120.2(i), §120.5(a)11, §160.3(a)2H, §160.3(d)1K, and NA7.5.11.
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Table A: Construction Inspection

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

Step	Entry	Item	Code Reference
1.0	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify access to the following documents: NRCC-MCH-E or LMCC-MCH-E <u>or LMCC-PRF-E or NRCC-PRF-E</u> , designs, specification sheets, and schedules as approved by the authority having jurisdiction.	§10-103(a)2A
1.1	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify access to the following documents: NRCA-MCH-02-A (Outside Air) and NRCA-MCH-05-A (Air Economizer Controls); recommended to be completed simultaneously.	N/A
2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify that the FDD hardware is installed on the unit.	NA7.5.11.1(a)
3	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify the FDD system matches the make and model reported on the design drawings.	NA7.5.11.1(b)
4	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify the following air temperature sensors are permanently installed: Outside air, Supply air, and Return air.	NA7.5.11.1(c)
5	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify the controller has the capability of displaying the value of the following parameters: Air temperatures; for outside air, supply air, and return air.	NA7.5.11.1(d)



Step	Entry	Item	Code Reference
6	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Verify the controller provides system status by indicating the following conditions: Free cooling available, Economizer enabled, Compressor enabled, Heating enabled, and Mixed air low limit cycle active.	NA7.5.11.1(e)
7	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Indicate that the Construction Inspection complies with ALL requirements.	N/A

Table B: Functional Testing

Step	Entry	Functional Test	Code Reference
1.0	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Test Air Temperature Sensor failure/fault by first- Verify ing the FDD system indicates normal operation.	NA7.5.11.2.1 Step 1
1.1	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Disconnect outside air temperature sensor from unit controller and verify that the FDD system reports a fault.	NA7.5.11.2.1 Step 2
1.2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Connect outside air temperature sensor to unit controller and verify that the FDD system indicates normal operation.	NA7.5.11.2.1 Step 3
2	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Test Excess Outdoor Air Sensor failure/fault by - Coordinating this test with NRCA-MCH-02-A (Outdoor Air). If Outdoor Air test passes, and verify that the FDD system indicates normal operation.	NA7.5.11.2.2
3.0	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Test Economizer Operation by - Interfering with normal unit operation so NA7.5.4 "Air Economizer Controls" test fails by immobilizing the outdoor air economizer damper according to manufacturer's instructions and verify FDD system reports a fault.	NA7.5.11.2.3 Step 1
3.1	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Successfully complete and pass NA7.5.4 Air Economizer Controls and verify that the FDD system reports normal operation.	NA7.5.11.2.3 Step 2
4	<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 Date Signed Phone Signature
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