FDD – PACKAGED UNITS

Project Name and A	ddress	Authority Having J	lurisdiction
Name: Project Name		Enforcement Agency: Agency	
Address: Project Address		Permit Number: Permit Number	
City, Zip: City, Zip Code Permit Application D		ite: Date	
		• •	
Building: Enter Value	Floor: Enter Value	Room: Enter Value	Control/tag: Value

Construction inspection and functional testing complyDoes not comply	Date Submitted to AHJ: Date

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 or LMCC-PRF-E or NRCC-PRF-E for the performance path. 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.

Table A: Construction Inspection

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

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Step	Entry	Item	Reference
1.0	Pass Fail	Verify access to the following documents: NRCC-MCH-E or LMCC-MCH-E or LMCC-PRF-E or NRCC-PRF-E, designs, specification sheets, and schedules as approved by the authority having jurisdiction.	§10-103(a)2A
1.1	☐ Pass ☐ 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	Pass Fail	Verify that the FDD hardware is installed on the unit.	NA7.5.11.1(a)
3	Pass Fail	Verify the FDD system matches the make and model reported on the design drawings.	NA7.5.11.1(b)
4	Pass Fail	Verify the following air temperature sensors are permanently installed: Outside air, Supply air, and Return air.	NA7.5.11.1(c)
5	Pass Fail	Verify the controller has the capability of displaying the value of the following parameters: Air temperatures: outside air, supply air, and return air.	NA7.5.11.1(d)
6	☐ Pass ☐ 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)

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Step	Entry	Item	Code Reference
7	Pass Fail	Indicate that the Construction Inspection complies with ALL requirements.	N/A

Table B: Functional Testing

Step	Entry	Functional Test	Code Reference
1.0	Pass Fail	Test air temperature sensor failure/fault by first verifying the FDD system indicates normal operation.	NA7.5.11.2.1 Step 1
1.1	☐ Pass ☐ 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	☐ Pass ☐ 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	Pass Fail	Test excess outside air sensor failure/fault by coordinating this test with NRCA-MCH-02-A (Outdoor Air). If outdoor air test passes, verify that the FDD system indicates normal operation.	NA7.5.11.2.2
3.0	Pass 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	Pass 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	Pass Fail	Indicate that the Functional Test complies with ALL requirements.	N/A
401	YOBE		



Declaration Statement	Signatory
Document Author	Name
I assert that this Certificate of Acceptance documentation is accurate and complete.	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. 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 shall be made available to the enforcement agency for all applicable inspections. I will take the necessary steps to fulfill this requirement. 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. I will take the necessary steps to fulfill this requirement.	Name Company Name Lic. No.: License No. Title Phone Signature Date Signed