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

Identify Ventilation Systems in Sample Group (NA7.18.3)

Tested System	**Building**	**Floor**	**Dwelling Units**	**Control/tag**
☐	Building	Floor	Dwelling Units	Control System
☐	Building	Floor	Dwelling Units	Control System
☐	Building	Floor	Dwelling Units	Control System

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

Intent:	The objective of this acceptance test is to verify the leakage of a new central ventilation duct system(s) (Section 160.2(b)2Ci) that serve multiple dwelling units and provides continuous airflows or are part of a balanced ventilation system to meet the requirements specified in Sections 160.2(b)2Aiv or 160.2(b)2Av. This test is restricted to multifamily buildings of four habitable stories or more. This compliance document is used to record the results of one system duct leakage test performed. These test procedures are based on ASTM E1554/1554M-13 (2018) Method D – Total duct leakage test. This test can only be performed by a certified mechanical ATT. Reference NA7.18.3.

Table A: Construction Inspection

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

Step	**Entry**	**Item**	**Code Reference**
1.1	☐ Pass ☐ Fail	Access to required document NRCC-MCH-E or NRCC-PRF-E as approved by the authority having jurisdiction.	§10-103(a)2A
1.2	☐ Pass ☐ Fail	Product specifications or tear sheets for the installed equipment.	NA7.18.3.2 (Step 8)
2.1, or	☐ Pass ☐ Fail ☐ N/A	Verify that each system listed in the Sample Group serves more than six dwelling units and that the designer acknowledges that the duct system ducts will be pressurized to 50 Pa (0.2 inches water) with respect to outside. (Pass, Fail, N/A)	NA7.18.3, §160.2(b)2Ci
2.2	☐ Pass ☐ Fail ☐ N/A	Verify that each system listed in the Sample Group serves two to six dwelling units and that the designer acknowledges that the duct system ducts will be pressurized to 25 Pa (0.1 inches water) with respect to outside. (Pass, Fail, N/A)	NA7.18.3, §160.2(b)2Ci

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Step	Entry	Item	Code Reference
3.1, or	P, F, N/A	Testing at Rough-In. Verify that the spaces between the grille or register boots and the wallboard are sealed, and at least one grille or register is removed to verify proper sealing. (Pass, Fail, N/A)	NA7.18.3.2
3.2	P, F, N/A	Verify that the grilles or registers are installed (Pass, Fail, N/A)	NA7.18.3.2
4	☐ Pass ☐ Fail	Confirm all windows and other openings are open to connect the building to the outside.	NA7.18.3.1(a)
5	☐ Pass ☐ Fail	Confirm HVAC dampers are in their normal operating positions (NOP).	NA7.18.3.1(b)

Table B: Functional Testing

Step	Entry	Functional Test	Code Reference
1.0	No Entry	Measure and record environmental data:	NA7.18.3.2 (Step 1)
1.1	Enter Value	Outside (ambient) Temperature (°F)	NA7.18.3.2 (Step 1)
1.2	Enter Value	Indoor Temperature (°F)	NA7.18.3.2 (Step 1)
1.3	Enter Value	Barometric Pressure (inches Hg)	NA7.18.3.2 (Step 1)
2.0	☐ Pass ☐ Fail	Install static pressure probe in main plenum pointing into airstream induced by the test. If the test fan is on the roof, the static pressure probe will need to be connected to the measurement device at the test site with a tube long enough to make the connection.	NA7.18.3.2 (Step 2)
3.1, or	☐ Pass ☐ Fail ☐ N/A	Test fan is mounted inside, with the building open to the outside, use the building as reference pressure. (Pass, Fail, N/A)	NA7.18.3.2 (Step 3)
3.2	☐ Pass ☐ Fail ☐ N/A	Test fan is located on the roof, use the outside as the reference pressure. (Pass, Fail, N/A)	NA7.18.3.2 (Step 3)
4.0	☐ ☐ No Entry	Attach the test fan to the duct system, check one of the following.	NA7.18.3.2 (Step 4)
4.1, or	☐ Pass ☐ Fail ☐ N/A	For roof top and wall mounted exhaust systems, remove the fan from the curb or opening and seal the test fan to the curb following test equipment manufacturer's instructions, making sure the dampers are open (NOP). (Pass, Fail, N/A)	NA7.18.3.2 (Step 4a)

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Step	Entry	Functional Test	Code Reference
4.2	☐ Pass ☐ Fail ☐ N/A	Alternatively, the test fan may be applied to a grille opening on the inside of the building following test equipment manufacturer's instructions. (Pass, Fail, N/A)	NA7.18.3.2 (Step 4b)
5.0	☐ ☐ No Entry	Temporarily seal the system including:	NA7.18.3.2 (Step 5)
5.1	☐ Pass ☐ Fail	All grilles on the system using masking tape and air impermeable sheeting or duct mask made for this application.	NA7.18.3.2 (Step 5a)
5.2	☐ Pass ☐ Fail	Air handler access door or panel (do not use permanent sealing material, metal tape is acceptable).	NA7.18.3.2 (Step 5b)
5.3	P, F, N/A	For systems with an air handler with supply and return plenums, the entire duct system including the air handler must be included in the test. (Pass, Fail, N/A)	NA7.18.3.2 (Step 5c)
6.0	☐ Pass ☐ Fail	Adjust the test fan speed to maintain 25 Pa or 50 Pa as appropriate at the static pressure probe location.	NA7.18.3.2 (Step 6)
7.0	No Entry	Record the following:	NA7.18.3.2 (Step 7)
7.1	Enter Value	Air Flow (CFM)	NA7.18.3.2 (Step 7)
7.2	Enter Value	Temperature (°F)	NA7.18.3.2 (Step 7)
8.0	Enter Value	Determine the nominal fan airflow using the product specifications of the installed equipment for the design static pressure. (CFM)	NA7.18.3.2 (Step 8)
9.0	Enter Value	Divide the duct leakage flow (Step 7.1) by the nominal fan flow (Step 8) and convert to a percentage (multiply by 100).	NA7.18.3.2 (Step 9)
10.0	☐ Pass ☐ Fail	If the duct leakage flow percentage (Step 9) is equal to or less than the target compliance criterion of 6% leakage the system passes.	NA7.18.3.2 (Step 9), §160.2(b)2Ci

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Declaration Statement	Signatory
Document Author I assert that this Certificate of Acceptance documentation is accurate and complete.	Name Company Name Author Signature Date Signed
Field 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. 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

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