2025-CEC-NRCA-PRC-14b-F

Project Name and Address			Authority Having Jurisdiction					
Name:			Enforcement Agency:					
Address:				Permit Number:				
City, Zip Co	ode:			Permit Application Date:				
				•	•			
Building:		Floor:		Room:		Control/tag:		
				<u> </u>	l			
	•	ion and function	nal testing	comply	Date Submitted to AHJ:			
Does not comply				Date Submitted to Aris.				
Intent:	Int: This compliance document is to be completed for each factory or laboratory space			or laboratory space				
	served by a fan exhaust system with a design exhaust fan system airflow rate			stem airflow rate				
	, ,							
greater tan 10,000 cfm. If multiple factory or laboratory spaces are served by the								
same fan exhaust system, then a separate versic			on of this com	ipliance document must				
be completed for each factory or laboratory space served.								
			•	, ,		7.16.		
	CCCCOTT I TO	ora aria recie	Section 140.9(c)3 and Reference Nonresidential Appendix NA7.16.					

Table A-1: Construction Inspection – Main

·ubic	Table A-1: Construction Inspection – Main				
Step	Entry	Item	Code Reference		
1.0	Pass Fail	Verify access to all necessary specifications and manufacturer documentation. Additionally verify access to permit applications and Energy Code compliance documents approved by the authority having jurisdiction.	10-103		
2.0	No Entry	Verify that the following measurements are within 10 percent of the corresponding design values found in the documents specified in Step 1:	NA7.16.1(a)		
2.1	sf cf Pass Fail	Measure and record the area (square feet) and volume (cubic feet) of the factory or laboratory space. Indicate pass if these values are within 10 percent of the corresponding design values referenced in Step 1.	NA7.16.1(a)1		
2.2	cfm Pass Fail	Measure and record the airflow rate (cubic feet per minute) of the factory or laboratory space. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1.	NA7.16.1(a)2		
2.3	cfm Pass Fail	Measure and record the occupied minimum airflow rate (cubic feet per minute) of the factory or laboratory space. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1.	NA7.16.1(a)3		
2.4	cfm Pass Fail	Measure and record the unoccupied minimum airflow rate (cubic feet per minute) of the factory or laboratory space. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1.	NA7.16.1(a)4		

Ston	Entry	Item	Code Reference
Step 2.5	cfm Pass Fail	Measure and record the inlet airflow rate of the exhaust fan system (cubic feet per minute) of the factory or laboratory space at design conditions. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1.	NA7.16.1(a)5
2.6	W Pass Fail	Measure and record the power of the exhaust fan system at design conditions (watts) of the factory or laboratory space. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1.	NA7.16.1(a)6
2.7	W/cfm Pass Fail	Calculate watts per cubic feet per minute at design conditions (divide results of Step 2.6 the results of Step 2.5). Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1.	NA7.16.1(a)7
3.0	Pass Fail	 From Table A-2, determine if it is true that the Total Design Airflow Rate is greater than unoccupied minimum airflow rate of the space (from the resoures listed in Step 1). If it is true AND if all fume hoods listed in Table A-2 are identified as VAV, then select Pass. If it is NOT true, then select Pass. If it is true AND any of the fume hoods listed in Table A-2 are identified as CAV, then select Fail. 	NA7.16.1(b)
4.0	☐ True ☐ False	Verify pressure independent flow control valves are used.	NA7.16.1(c)
5.0	☐ True ☐ False	Document whether the exhaust system has air filtration, scrubbers, or other air treatment devices.	NA7.16.1(d)
6.0	No Entry	Document the fan power requirements as described in Steps 6.1 through 6.4 (below). Use only one of 6.1 through 6.4 and enter NA for the options not used.	NA7.16.1(e)
6.1	☐ True ☐ False ☐ N/A	No Control is selected (2025-CEC-NRCA-PRC-14a) AND Step 5 is 'True.' Enter Pass if Step 2.7 is equal to or less than 0.85 W/cfm, or else enter Fail.	NA7.16.1(e)1
6.2	☐ True ☐ False ☐ N/A	No Control is selected (2025-CEC-NRCA-PRC-14a) AND Step 5 is 'True', Enter Pass if the rated fan power does not surpass fan kW _{budget} as calculated per Section 140.4(c)1A, or else enter fail.	NA7.16.1(e)1 and NA7.16.1(e)2

LAB TEST AND BALANCE

Step	Entry	Item	Code Reference
6.3	☐ True ☐ False ☐ N/A	No Control is selected (2025-CEC-NRCA-PRC-14a) AND Step 5 is 'False'. Enter Pass if Step 2.7 is equal to or less than 0.65 W/cfm, or else enter Fail.	NA7.16.1(e)2
6.4	☐ True ☐ False ☐ N/A	The selected control is either simple turndown, wind responsive, or contaminant monitoring. Enter Pass if Step 2.7 is equal to or less than 1.3 W/cfm, or else enter Fail.	NA7.16.1(e)3
7.0	Pass Fail	Construction Inspection Pass Conditions All of the following must be true. Steps 2 and 6 contain 'No Entry'. Steps 4 and 5 must record either true or false. Steps 6.1-6.4 must record one pass and three NAs. All other steps must record pass.	NA

Table A-2: Construction Inspection – Listing of Fume Hoods (NA7.16.1(b))

List all fume hoods in the space, indicating variable or constant air volume and the design air flow rate in cubic feet per minute (CFM). Total the design air flow rate (including both VAV and VAC hoods) at the bottom of the table.

Fume Hood	Design Airflow Type	Design Air Flow Rate (cfm)
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	☐ Variable Air Volume (VAV) ☐ Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	
	Variable Air Volume (VAV) Constant Air Volume (CAV)	

Fume Hood	Design Airflow Type	Design Air Flow Rate (cfm)
	☐ Variable Air Volume (VAV)	
	Constant Air Volume (CAV)	
	☐ Variable Air Volume (VAV)	
	Constant Air Volume (CAV)	
	☐ Variable Air Volume (VAV)	
	Constant Air Volume (CAV)	
	☐ Variable Air Volume (VAV)	
	Constant Air Volume (CAV)	
	☐ Variable Air Volume (VAV)	
	Constant Air Volume (CAV)	
	☐ Variable Air Volume (VAV)	
	Constant Air Volume (CAV)	
	☐ Variable Air Volume (VAV)	
	Constant Air Volume (CAV)	
	☐ Variable Air Volume (VAV)	
	Constant Air Volume (CAV)	
Total Design Airflow Pate	(sum both VAV and CAV	
Total Design Airflow Rate	together)	

Table B-1: Functional Test – VAV Laboratory Exhaust System with Occupancy ControlsNote: If control signals have been calibrated to measure flow rates and power consumption, recorded

control signals are acceptable methods of measurement.

control signals are acceptable methods of measurement.				
Step	Entry	Functional Test	Code Reference	
1.0	No Entry	Simulate design conditions by opening all fume hood sashes and other exhaust devices such as snorkels to their design open position and occupy all lab spaces served by the exhaust fan system.	NA7.16.2 Step 1	
1.1	Pass Fail	Verify that the occupant sensors can detect occupants in all portions of the spaces and are reporting occupied occupancy status to controller.	NA7.16.2 Step 1(a)	
1.2	Pass Fail	Verify that the inlet airflow rate of the exhaust fans meets the design flowrate.	NA7.16.2 Step 1(b)	
1.3		Measure and record the fan power (watts) under design conditions.	NA7.16.2 Step 1(c)	
1.3	Pass Fail	Verify that fan power under design conditions (Step 1.3) is no greater than the design fan power.	NA7.16.2 Step 1(d)	
2.0	No Entry	Simulate minimum flowrate under occupied conditions by adjusting fume hoods and other exhaust devices. Adjust the thermostatic control so that the space temperature is within the dead band.	NA7.16.2 Step 2	
2.1	Pass Fail	Verify that the occupant sensors can detect occupants in all portions of the spaces and are reporting occupied occupancy status to controller.	NA7.16.2 Step 2(a)	
2.2	Pass Fail	Verify that the total exhaust airflow rate of the space meets the minimum allowed occupied airflow rate.	NA7.16.2 Step 2(b)	

Step	Entry	Functional Test	Code Reference
	,	Measure and record the fan power (watts) under	NA7.16.2
2.3		minimum flowrate, occupied conditions.	Step 2(c)
2.4	Pass Fail	Verify that the power under minimum flowrate occupied conditions (Step 2.3) is no greater than measured power under design conditions (Step 1.3).	NA7.16.2 Step 2(d)
3.0	No Entry	Simulate minimum flowrate under unoccupied conditions by adjusting fume hoods and other exhaust devices and vacate all lab spaces served by the exhaust fan system for at least 20 minutes so occupant control treats lab spaces as unoccupied. Adjust the thermostatic control so that the space temperature is within the dead band.	NA7.16.2 Step 3
3.1	Pass	Verify that the occupant sensors are reporting	NA7.16.2
5.1	Fail	unoccupied occupancy status to controller.	Step 3(a)
3.2	Pass	Verify that the total exhaust airflow rate of each space	NA7.16.2
٥.۷	☐ Fail	meets the minimum allowed unoccupied flowrate.	Step 3(b)
3.3		Measure and record the fan power (watts) under minimum flowrate unoccupied conditions.	NA7.16.2 Step 3(c)
3.4	Pass Fail	Verify that power under minimum flowrate unoccupied conditions (Step 3.3) is no greater than measured power under minimum flowrate occupied conditions (Step 2.3).	NA7.16.2 Step 3(d)
4.0	No Entry	Return system controls to normal operation	NA
5.0	Pass Fail	Functional Test Pass Conditions All of the following must be true. Steps 1.0, 2.0, and 3.0 contain 'No Entry'. Steps 1.3, 2.3, and 3.3 must contain non-zero numerical entries. All other steps must record pass.	NA



Document Author	
I assert that this Certificate of Acceptance documentation is accurate and complete	Author Name
	Canada and Name
	Company Name
	Author Signature
	Date Signed
Field Technician	_
I certify the following under penalty of perjury, under the laws of the State of	Field Tech. Name
California:	
The information provided on this Certificate of Acceptance is true and correct. I am	Company Name
the person who performed the acceptance verification reported on this Certificate of Acceptance (Field Technician). The construction or installation identified on this	Title
Certificate of Acceptance complies with the applicable acceptance requirements	Title
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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	
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has been posted or made available with the building permit(s) issued for the	Data Charat
building.	Date Signed
Responsible Person I assert the following under penalty of perjury, under the laws of the State of	
California:	Responsible Name
I am the Field Technician, or the Field Technician is acting on my behalf as my	responsible Hame
employee or my agent and I have reviewed the information provided on this	Company Name
Certificate of Acceptance. I am eligible under Division 3 of the Business and	
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procedures specified in Reference Nonresidential Appendix NA7. I have confirmed	Responsible Signature
that the Certificate(s) of Installation for the construction or installation identified	
·	Date Signed
· · · · · · · · · · · · · · · · · · ·	
steps to ensure this requirement.	
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, and 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	License No. Title Phone Responsible Signature