## CONTAMINANT MONITORING

2025-CEC-NRCA-PRC-14c3-F

Project Name and Address		Authority Hav	Authority Having Jurisdiction	
Name:		Enforcement A	Enforcement Agency:	
Address:		Permit Number	Permit Number:	
City, Zip Code:		Permit Applicat	Permit Application Date:	
Building:	Floor:	Room:	Control/tag:	

Building:	Floor:	Room:	Control/tag:
Construction ir Does not comp	nspection and functional	testing comply	Date Submitted to AHJ:

Intent:

If the builder uses contaminant monitoring controls to meet fan system power consumption requirements, then this acceptance testing is required in addition to the 2025-CEC-NRCA-PRC-14a-F and 2025-CEC-NRCA-PRC-14b-F. It is recommended to complete, to the extent possible, both compliance documents 2025-CEC-NRCA-PRC-14a-F and 2025-CEC-NRCA-PRC-14b-F prior to starting this acceptance test. Reference Section 140.9(c)3 and Reference Nonresidential Appendix NA7.16.7 and NA7.16.8.

**Table A-1: Construction Inspection** 

Tubic	A-1: Constituction 1		Code
Step	Entry	Item	Reference
1.0	No Entry	Verify and document the following prior to functional testing:	NA7.16.7
1.1	Pass Fail	Wind speed and direction sensor is factory- calibrated (with calibration certificate) or field calibrated, as specified by Section 140.9(c)3D.	NA7.16.7(a)
1.2	Pass Fail	The sensor is located within each exhaust plenum as specified by Section 140.9(c)3D.	NA7.16.7(b)
1.3	Pass Fail	The sensor is wired correctly to the controls to ensure proper control of volume flow rate.	NA7.16.7(c)
1.4	Pass Fail	Contaminant concentration threshold has been established and matches dispersion analysis results.	NA7.16.7(d)
1.5	Airflow Static press Speed/vol Other:	Verify the methodology to measure volume flow rate is one of the following: airflow sensor, static pressure as proxy, fan speed to volume flow rate curve, or other.	NA7.16.7(e)
1.6	Pass Fail	If multiple sensors are present, ensure fan is controlled based on the highest concentration reading.	NA7.16.7(f)
2.0	No Entry	Verify that the following measurements are within 10 percent of the corresponding design values found in the documents specified in compliance document 2025-CEC-NRCA-PRC-14b-F, Step 1:	NA7.16.7(g)

## CONTAMINANT MONITORING

Ston	Entry	Thom	Code
2.1	cfm Pass Fail	Item  Measure and record the inlet airflow rate of the exhaust fan system (cubic feet per minute) at design conditions. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1 of 2025-CEC-NRCA-PRC-14b-F.	Reference NA7.16.7(g)1
2.2	W Pass  Fail	Measure and record the <b>power of exhaust fan system</b> (watts) at design conditions. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1 of 2025-CEC-NRCA-PRC-14b-F.	NA7.16.7(g)2
2.3	cfm Pass  Fail	Measure and record the <b>inlet airflow rate</b> of the exhaust fan system (cubic feet per minute) at occupied minimum acceptable airflow rate. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1 of 2025-CEC-NRCA-PRC-14b-F.	NA7.16.7(g)3
2.4	W Pass  Fail	Measure and record the <b>power of exhaust fan system</b> (watts) at occupied minimum acceptable airflow rate. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1 of 2025-CEC-NRCA-PRC-14b-F.	NA7.16.7(g)4
2.5	W Pass Fail	Measure and record the <b>power of exhaust fan system</b> (watts) at 60 percent of design exhaust fan system airflow rate. Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1 of 2025-CEC-NRCA-PRC-14b-F.	NA7.16.7(g)5
2.6	W/cfm Pass Fail	Calculate watts per cubic feet per minute at design conditions (divide results of Step 2.2 the results of Step 2.1). Indicate pass if this value is within 10 percent of the corresponding design value referenced in Step 1 of 2025-CEC-NRCA-PRC-14b-F.	NA7.16.7(g)6
3.0	☐ Pass ☐ Fail	Verify that the measured occupied minimum acceptable exhaust fan system inlet airflow rate is no greater than 60 percent of measured design exhaust fan system airflow rate.  Select Pass if Step 2.3 is less than or equal to 0.60 times Step 2.1, or else select Fail.	NA7.16.7(h)
4.0	☐ Pass ☐ Fail	Verify that the measured exhaust fan system power at 60 percent of design fan system airflow rate is no greater than 40 percent of measured exhaust fan system power at design exhaust fan system airflow rate.  Select Pass if Step 2.5 less than or equal to 0.40 times Step 2.2, or else select Fail.	NA7.16.7(i)

Step	Entry	Item	Code Reference
5.0	Pass Fail	Construction Inspection Pass Conditions All of the following must be true: Steps 1.0 and 2.0 must record 'No Entry'. One option must be selected in Step 1.5. Steps 2.1 through 2.6 must record a non-zero numerical entry and Pass. All other steps must record Pass.	NA

Table B-1: Functional Testing

Table B-1: Functional Testing				
			Code	
Step	Entry	Functional Test	Reference	
1.0	No Entry	Ensure no contaminant event is present and	NA7.16.8	
1.0	THO ETICITY	simulate design conditions.	Step 1	
1.1	Pass	Verify that the volume flow rate at the stack is at or	NA7.16.8	
1.1	Fail	above the minimum non-event value.	Step 1(a)	
1.2	cfm	Record airflow rate at the stack (cubic feet per	NA7.16.8	
1.2	CIIII	minute).	Step 1(b)	
1.3	cfm	Record airflow rate entering the exhaust fan	NA7.16.8	
1.5	CIII	system (cubic feet per minute).	Step 1(c)	
1.4	W	Record exhaust fan system power at design	NA7.16.8	
1.7	VV	conditions (watts).	Step 1(d)	
2.0	No Entry	Simulate a contaminant event.	NA7.16.8	
2.0	NO LIIU y	Simulate a Contaminant event.	Step 2	
2.1	Pass	Verify that the volume flow rate at the stack is at or	NA7.16.8	
2.1	Fail	above the minimum non-event value.	Step 2(a)	
3.0	No Entry	Simulate the minimum occupied airflow rate.	NA7.16.8	
5.0	NO ETILIY	Simulate the minimum occupied aimow rate.	Step 3	
3.1	cfm	Record airflow rate at the stack (cubic feet per	NA7.16.8	
5.1	CIIII	minute).	Step 3(a)	
3.2	cfm	Record airflow rate entering the exhaust fan	NA7.16.8	
J.2	CIIII	system (cubic feet per minute).	Step 3(b)	
		Confirm that the airflow rate entering fan system		
	_	airflow rate at minimum occupied conditions is no		
3.3	Pass Fail	greater than 60 percent of the exhaust fan system	NA7.16.8	
3.3		design airflow rate.	Step 3(c)	
		Select Pass if Step 3.2 is less than or equal to 0.60	,	
		times Step 1.3, or else select Fail.		
4.0	No Fratio		NA7.16.8	
4.0	No Entry	Simulate the 60 percent of design airflow rate.	Step 4	
/ 1	\\/	Record exhaust fan system power at 60 percent	NA7.16.8	
4.1	W	design airflow rate (watts).	Step 4(a)	

Step	Entry	Functional Test	Code Reference
4.2	Pass Fail	Confirm that the fan system power at 60 percent design airflow rate is no greater than 40 percent of the exhaust fan system airflow rate at maximum wind speed.  Select Pass if Step 4.1 is less than or equal to 0.40 times Step 1.4, or else select Fail.	NA7.16.8 Step 4(b)
5.0	Pass Fai	Functional Test Pass Conditions All of the following must be true. Steps 1.0, 2.0, 3.0, and 4.0 contain 'No Entry'. Steps 1.2, 1.3, 1.4, 3.1, 3.2, and 4.1 must record non-zero numerical entries. Steps 1.1, 2.1, 3.3, and 4.2 must record pass.	NA

	1
Document Author I assert that this Certificate of Acceptance documentation is accurate and complete	Author Name
	Company Name
	,
	Author Cianatura
	Author Signature
	Date Signed
Field Technician	<b>5</b>
I certify the following under penalty of perjury, under the laws of the State of California:	Field Tech. Name
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	Company Name
of Acceptance (Field Technician). The construction or installation identified on this Certificate of Acceptance complies with the applicable acceptance requirements	Title
indicated in the plans and specifications approved by the enforcement agency and	Phone
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	Field Tech. Signature
has been posted or made available with the building permit(s) issued for the	riela rech. Signature
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 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	Company Name
Professions Code in the applicable classification to accept responsibility for the	License No.
system design, construction or installation of features, materials, components, or	
manufactured devices for the scope of work identified on this Certificate of	Title
Acceptance and attest to the declarations in this statement. The information provided on this Certificate of Acceptance substantiates that the construction or	Phone
installation identified on this Certificate of Acceptance complies with the	THORE
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	Responsible Signature
that the Certificate(s) of Installation for the construction or installation identified	Date Signed
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	Date Signed
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	
steps to ensure this requirement.	
	ı