



| Project Name and Address | Authority Having Jurisdiction |
|--------------------------|-------------------------------|
| Name:                    | Enforcement Agency:           |
| Address:                 | Permit Number:                |
| City, Zip Code:          | Permit Application Date:      |

|           |        |       |              |
|-----------|--------|-------|--------------|
| Building: | Floor: | Room: | Control/tag: |
|-----------|--------|-------|--------------|

|                                                                                                                            |                        |
|----------------------------------------------------------------------------------------------------------------------------|------------------------|
| <input type="checkbox"/> Construction inspection and functional testing comply<br><input type="checkbox"/> Does not comply | Date Submitted to AHJ: |
|----------------------------------------------------------------------------------------------------------------------------|------------------------|

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Intent:</b> | <p>This compliance document is to be completed for each factory or laboratory space served by a fan exhaust system with a design exhaust fan system airflow rate greater than 10,000 cfm. If multiple factory or laboratory spaces are served by the same fan exhaust system, then a separate version of this compliance document must be completed for each factory or laboratory space served.</p> <p>Section 140.9(c)3 and Reference Nonresidential Appendix NA7.16.</p> |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Table A-1: Construction Inspection – Main**

| Step | Entry                                                                                                          | Item                                                                                                                                                                                                                               | Code Reference |
|------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1.0  | <input type="checkbox"/> Pass<br><input type="checkbox"/> 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  | <div style="text-align: right;">sf<br/>cf</div> <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail | Measure and record the <b>area</b> (square feet) and <b>volume</b> (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  | <div style="text-align: right;">cfm</div> <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail       | Measure and record the <b>airflow rate</b> (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  | <div style="text-align: right;">cfm</div> <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail       | Measure and record the <b>occupied minimum airflow rate</b> (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  | <div style="text-align: right;">cfm</div> <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail       | Measure and record the <b>unoccupied minimum airflow rate</b> (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   |



| Step | Entry                                                                                           | Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Code Reference                      |
|------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 2.5  | cfm<br><input type="checkbox"/> Pass<br><input type="checkbox"/> Fail                           | Measure and record the <b>inlet airflow rate</b> 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<br><input type="checkbox"/> Pass<br><input type="checkbox"/> Fail                             | Measure and record the <b>power of the exhaust</b> 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<br><input type="checkbox"/> Pass<br><input type="checkbox"/> 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail                                  | From Table A-2, determine if it is <b>true</b> that the Total Design Airflow Rate is greater than unoccupied minimum airflow rate of the space (from the resoures listed in Step 1). <ul style="list-style-type: none"> <li>• If it is true <b>AND</b> if all fume hoods listed in Table A-2 are identified as VAV, then select Pass.</li> <li>• If it is <b>NOT</b> true, then select Pass.</li> <li>• If it is true <b>AND</b> any of the fume hoods listed in Table A-2 are identified as CAV, then select Fail.</li> </ul> | NA7.16.1(b)                         |
| 4.0  | <input type="checkbox"/> True<br><input type="checkbox"/> False                                 | Verify pressure independent flow control valves are used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NA7.16.1(c)                         |
| 5.0  | <input type="checkbox"/> True<br><input type="checkbox"/> 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  | <input type="checkbox"/> True<br><input type="checkbox"/> False<br><input type="checkbox"/> N/A | No Control is selected (2025-CEC-NRCA-PRC-14a) AND Step 5 is 'True.'<br>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  | <input type="checkbox"/> True<br><input type="checkbox"/> False<br><input type="checkbox"/> N/A | No Control is selected (2025-CEC-NRCA-PRC-14a) AND Step 5 is 'True',<br>Enter Pass if the rated fan power does not surpass fan kW <sub>budget</sub> as calculated per Section 140.4(c)1A, or else enter fail.                                                                                                                                                                                                                                                                                                                  | NA7.16.1(e)1<br>and<br>NA7.16.1(e)2 |



| Step | Entry                                                                                           | Item                                                                                                                                                                                                                                                                   | Code Reference |
|------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 6.3  | <input type="checkbox"/> True<br><input type="checkbox"/> False<br><input type="checkbox"/> N/A | No Control is selected (2025-CEC-NRCA-PRC-14a) AND Step 5 is 'False'.<br>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  | <input type="checkbox"/> True<br><input type="checkbox"/> False<br><input type="checkbox"/> N/A | The selected control is either simple turndown, wind responsive, or contaminant monitoring.<br>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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail                                  | <b>Construction Inspection Pass Conditions</b><br>All of the following must be true.<br>Steps 2 and 6 contain 'No Entry'.<br>Steps 4 and 5 must record either true or false.<br>Steps 6.1-6.4 must record one pass and three NAs.<br>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) |
|-----------|----------------------------------------------------------------------------------------------------------|----------------------------|
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|           | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |



| Fume Hood                        | Design Airflow Type                                                                                      | Design Air Flow Rate (cfm) |
|----------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------|
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
|                                  | <input type="checkbox"/> Variable Air Volume (VAV)<br><input type="checkbox"/> Constant Air Volume (CAV) |                            |
| <b>Total Design Airflow Rate</b> | (sum both VAV and CAV together)                                                                          |                            |

**Table B-1: Functional Test – VAV Laboratory Exhaust System with Occupancy Controls**

Note: If control signals have been calibrated to measure flow rates and power consumption, recorded 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> 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     |
|------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 2.3  |                                                                | Measure and record the fan power (watts) under minimum flowrate, occupied conditions.                                                                                                                                                                                                                                                  | NA7.16.2 Step 2(c) |
| 2.4  | <input type="checkbox"/> Pass<br><input type="checkbox"/> 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail | Verify that the occupant sensors are reporting unoccupied occupancy status to controller.                                                                                                                                                                                                                                              | NA7.16.2 Step 3(a) |
| 3.2  | <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail | Verify that the total exhaust airflow rate of each space meets the minimum allowed unoccupied flowrate.                                                                                                                                                                                                                                | NA7.16.2 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> 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  | <input type="checkbox"/> Pass<br><input type="checkbox"/> Fail | <b>Functional Test Pass Conditions</b><br>All of the following must be true.<br>Steps 1.0, 2.0, and 3.0 contain 'No Entry'.<br>Steps 1.3, 2.3, and 3.3 must contain non-zero numerical entries.<br>All other steps must record pass.                                                                                                   | NA                 |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Document Author</b><br>I assert that this Certificate of Acceptance documentation is accurate and complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Author Name<br><br>Company Name<br><br>Author Signature<br><br>Date Signed                                                        |
| <b>Field Technician</b><br>I certify the following under penalty of perjury, under the laws of the State of California:<br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Field Tech. Name<br><br>Company Name<br><br>Title<br><br>Phone<br><br>Field Tech. Signature<br><br>Date Signed                    |
| <b>Responsible Person</b><br>I assert the following under penalty of perjury, under the laws of the State of California:<br>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, 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. | Responsible Name<br><br>Company Name<br><br>License No.<br><br>Title<br><br>Phone<br><br>Responsible Signature<br><br>Date Signed |