

CERTIFICATE OF ACCEPTANCE**MECH-5A****NA7.5.4 Air Economizer Controls Acceptance****(Page 1 of 3)**

Project Name/Address:

System Name or Identification/Tag:

System Location or Area Served:

Enforcement Agency:

Permit Number:

Note: Submit one Certificate of Acceptance for each system that must demonstrate compliance.

Enforcement Agency Use: Checked by/Date

FIELD TECHNICIAN'S DECLARATION STATEMENT

- I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct.
- I am the person who performed the acceptance requirements verification reported on this Certificate of Acceptance (Field Technician).
- I certify that the construction/installation identified on this form 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 Installation Certificate(s) for the construction/installation identified on this form has been completed and is posted or made available with the building permit(s) issued for the building.

Company Name:

Field Technician's Name:

Field Technician's Signature:

Date Signed:

Position With Company (Title):

RESPONSIBLE PERSON'S DECLARATION STATEMENT

- I certify under penalty of perjury, under the laws of the State of California, that 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 form.
- I am a licensed contractor, architect, or engineer, who is eligible under Division 3 of the Business and Professions Code, in the applicable classification, to take responsibility for the scope of work specified on this document and attest to the declarations in this statement (responsible person).
- I certify that the information provided on this form substantiates that the construction/installation identified on this form 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 Installation Certificate(s) for the construction/installation identified on this form has been completed and is posted or made available with the building permit(s) issued for the building.
- I will ensure 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 made available to the enforcement agency for all applicable inspections. 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.

Company Name:

Phone:

Responsible Person's Name:

Responsible Person's Signature:

License:

Date Signed:

Position With Company (Title):

Project Name/Address:

System Name or Identification/Tag:

System Location or Area Served:

Intent: Verify that airside economizers function properly

Construction Inspection

- 1 Instrumentation to perform test includes, but not limited to:
 - a. Hand-held temperature probes Calibration
Date: _____ (must be within last year)
 - b. Multi-meter capable of measuring ohms and milliamps
- 2 Test method (check one of the following):
 - Economizer comes from HVAC system manufacturer installed by and has been factory calibrated and tested. Attach documentation and complete certification statement. No Functional Testing required.
 - Economizer field installed and field tested or factory installed and field tested.
- 3 Installation (check **all** of the following first level boxes)
 - Economizer lockout setpoint complies with Table 144-C per Standards Section 144(e)3.
 - Economizer lockout control sensor is located to prevent false readings.
 - System is designed to provide up to 100% outside air without over-pressurizing the building.
 - For systems with DDC controls lockout sensor(s) are either factory calibrated or field calibrated.
 - For systems with non-DDC controls, manufacturer's startup and testing procedures have been applied

A. Functional Testing

Step 1: Disable demand control ventilation systems (if applicable)

Step 2: Enable the economizer and simulate a cooling demand large enough to drive the economizer fully open (check and verify the following)

- Economizer damper modulates 100% open
- Return air damper modulates 100% closed.
- For systems that meet the criteria of 144(e)1, verify that the economizer remains 100% open when the cooling demand can no longer be met by the economizer alone.
- All applicable fans and dampers operate as intended to maintain building pressure.
- The unit heating is disabled

Step 3: Simulate a cooling load and disable the economizer (check and verify the following)

- Economizer damper closes to its minimum position.
- All applicable fans and dampers operate as intended to maintain building pressure.
- The unit heating is disabled

Step 4: Simulate a heating demand and enable the economizer (check and verify the following)

- Economizer damper closes to its minimum position.

Step 5: System returned to initial operating conditions

Y / N

B. Testing Results

PASS / FAIL

Step 1: Simulate cooling load and enable the economizer (all check boxes are complete)

Step 2: Simulate cooling load and disable the economizer (all check boxes are complete)

Step 3: Simulate heating demand and enable the economizer (all check boxes are complete)

