2005 ACCEPTANCE REQUIREMENTS FOR CODE COMPLIANCE

Economizer Acceptance Document — MECH-4-A

NJ.7.1 — **Form __ of __**

PROJECT NAME		DATE
PROJECT ADDRESS		
TESTING AUTHORITY	TELEPHONE	
AIR ECONOMIZER NAME / DESIGNATION		_____ Checked by/Date Enforcement Agency Use

Intent: Verify that an HVAC system uses outside air to satisfy space cooling loads when outside air conditions are acceptable.

Construction Inspection

1 Instrumentation to perform test includes, but not limited to:
   a. Hand-held temperature probes
   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 equipment testing required.**

☐ Economizer field installed and field tested.

3 Installation (check **all** of the following first level boxes)

☐ Economizer high limit setpoint complies with Table 144-C per Standards Section 144(e)3

☐ System controls are wired correctly to ensure economizer is fully integrated (i.e. economizer will operate when mechanical cooling is enabled), if all boxes are checked for Standalone Control or EMS Control

Stand-alone Control Systems:

- ☐ HVAC unit has two-stage thermostat and the economizer is wired to be the first stage of control
- ☐ First stage of cooling (Y1) from thermostat is separately wired to Y1 at HVAC unit
- ☐ Second stage of cooling (Y2) from thermostat is separately wired to Y2 at HVAC unit
- ☐ Two stages of cooling are not jumpered or wired together

EMS Controlled Systems:

- ☐ Control sequence of operations will allow economizer to be integrated with cooling coil

☐ Economizer high limit control sensor(s) are properly installed

☐ System is provided with either barometric relief or powered relief (a relief fan or a return fan)

☐ Sensor(s) used for economizer high limit control has factory calibration certificate or is field calibrated. Sensors include: outside air sensor only if single-point changeover; both outside and return air sensors if differential changeover control. Field calibration is not necessary if economizer is factory installed.

Certification Statement: I certify that all statements are true on this MECH-4-A form including the PASS/FAIL Evaluation. I affirm I am eligible to sign this form under the provisions described in the Statement of Acceptance on form MECH-1-A

Name: _____

Company: _____

Signature: _____ Date _____

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