

Name of Company/Jurisdiction Here

New York Residential Duct and Envelope Tightness (DET) Compliance Certificate

House Address: _____ Permit #: _____ Date: _____

Builder/Design Prof.: _____ Phone: _____

Project Name: _____

I. Building Envelope Tightness Test Results (Mandatory):

Single Family: BET test conducted by: _____ Phone: _____

Fan Flow at 50 Pascals = _____ CFM₅₀ Total Conditioned Volume = _____ ft³

ACH₅₀ = CFM₅₀ x 60 / Volume = _____ ACH₅₀ (<= 3 ACH@50 pa)

Multi-Family: BET test conducted by: _____ Phone: _____

Fan Flow at 50 Pascals = _____ CFM₅₀ Total Envelope ft² = _____ ft³

ACH₅₀ = Total Envelope ft² / 100 x .3 = _____ ACH₅₀ (<=.3CFM/ft² Envelope @50 pa)

NAME and BPI or HERS/RESNET Certification for Energy Professional conducting test #(s): Name: _____
BPI or HERS Cert # _____

Visual Inspection (Mandatory – Attach Checklist)

Visual inspection conducted by: _____

Address: _____ Phone: _____

II. Test Results for Total Duct Leakage (Not Required if all ducts are located within conditioned space)

Test Method: 1 2 3 Conditioned Floor Area = _____

1. Rough-in with Air Handler: _____ CFM₂₅ of Actual Duct Loss; (Must be <= Cond Floor Area/100 x 4 CFM₂₅)

2. Rough-in without Air Handler: _____ CFM₂₅ of Actual Duct Loss; (Must be <= Cond Floor Area/100 x 3 CFM₂₅)

3. Post Construction: _____ CFM₂₅ of Actual Duct Loss; (Must be <= Cond Floor Area/100 x 4 CFM₂₅)

NAME and BPI or HERS/RESNET Certification for Energy Professional conducting test #(s): Name: _____
BPI or HERS Cert # _____

Notes:- CFM₂₅ per 100 ft² of conditioned floor area = Conditioned floor area / 100 x Required CFM₂₅
- This checklist/certificate shall be provided to the code official and signed by the certified testing professional.
- Mechanical Ventilation Mandatory – Section 403.6

III. Where to find Certified DET Providers:

- a. Building Performance Contractors Association – NYS: <http://www.home-performance.org/members/directory/search.aspx> (HERS Raters and BPI certified contractors)
- b. Northeast HERS Alliance (NEHERS) website – <http://www.nehers.org/>
- c. Building Performance Institute (BPI) website - <http://www.bpi.org/>
- d. Generally accepted requirements for providers:

Whole house air leakage (Blower Door) and duct leakage (Duct Blaster) testing shall be completed by, and certification provided to the code enforcement official, by an individual holding one or more of the following qualifications:

- i. Home Energy Rating System (HERS) Raters certified by HERS / the Residential Energy Services Network (RESNET); OR,
- ii. Relevant Building Analyst, IDL, HVAC, A/C Heat Pump or Envelope Professional certified by the Building Performance Institute (BPI); OR,
- iii. Successful completion of an apprentice training program in the appropriate trade; OR,
- iv. Other nationally recognized certification or designation approved by the jurisdictional *Code Official*.

Duct testing remains applicable only when ducts are not contained completely within the Building thermal envelope.
Duct leakage testing completed and certification provided to code enforcement official

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