

Mayor
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Deputy Mayor
MATTHEW G. GRACI



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**AFFIDAVIT OF COMPLIANCE WITH THE 2020 ENERGY
CONSERVATION CONSTRUCTION CODE OF NEW YORK**

This form may ONLY be submitted by a Licensed Registered Architect or a Licensed Professional Engineer

Permit No.: _____ Date: _____ Sec. ____ Block ____ Lot(s) ____

Project Address: _____

State of New York

S.S.

County of Nassau

_____ being duly sworn deposes and says:

Print Name of Registered Architect or Professional Engineer

This is his/her business (name of business) _____

is located at (address) _____

and that he/she did personally design the building plans subject to the above referenced permit and hereby certifies that this building is designed to meet all applicable 2020 Energy Conservation Construction Codes of New York State.

Deponent further states that he/she is the _____ duly

(Registered Architect)(Professional Engineer)

authorized by the owner of the premises to submit this affidavit.

(Signature of Deponent)

Sworn and subscribed to before me this _____

Day of _____, 20____

(Affix seal of Registered Architect or Professional Engineer)

(Notary Public)

**INFORMATION REQUIRED ON CONSTRUCTION DOCUMENTS
(ALL NEW STRUCTURES AND ADDITIONS)**

To receive a building permit, the following information is required to be contained within construction documents.

ENERGY CODE COMPLIANCE PATH

One of the following energy code compliance paths indicated clearly on the plans

- **2020 ECCCNY**
 - **Prescriptive**
 - **Prescriptive with envelope tradeoffs – Supply REScheck or other approved overall calculations**
 - **Simulated Performance Alternative – Supply IECC Energy Cost Report**
 - **Energy Rating Index Alternative – Supply Preliminary ERI Report and Energy Code Checklist**

BUILDING THERMAL ENVELOPE

- **Continuous building thermal envelope depiction**

- **Typical cross-section for each unique assembly type including callouts for:**
 - **Insulation R-values, materials, and installed thickness**
 - **Fenestration U-factors and solar heat gain coefficients (SHGCs)**
 - **Primary air barrier method, materials, location**
- **Construction details for the following, if included in the scope of project**
 - **Slab on grade with insulation extending downward from the top of the slab**
 - **Insulated corners: Framing allows space for insulation**
 - **Insulated headers: Insulation installed in headers as space allows**
 - **Fireplaces on exterior walls; Air barrier aligned with insulation**
 - **Porch roofs: Exterior wall sheathing extends behind intersection with porch roof**
 - **Skylight shafts: Shaft walls are insulated and include attic-side air barriers**
 - **Shower/tubs on exterior walls: air barrier located between wall insulation and the shower/tub knee wall**
 - **Blocking between joists above walls separating garages from conditioned space**
 - **Cantilevered floors: insulated with solid air barriers underneath insulation and blocking between joists**
 - **Attic access hatches: weather stripped and insulated to the same R-value as the surrounding surface.**
 - **Notes indicate that insulation is to be installed per manufacturer installation instructions or RESNET Grade I**

HEATING AND COOLING SYSTEMS

Thermostats

- Thermostat type and location

Ducts and Air Handler

- Duct and air handler location
- Notes or drawings specify insulation R-values for ducts in unconditioned
- Note indicating that HVAS contactor will seal ducts to 4.0cfm/ 100ft² conditioned floor areal with UL 181 products appropriate for the duct material type. (Testing not required if all ducts are located completely within condition space.)
- Furnace and air conditioner or heat pump specifications

HVAC Design Worksheet

- Completed Heating and Cooling Equipment Worksheet (page 3)
- Completed Whole-house Mechanical Ventilation Worksheet (Page 4)

HVAC Piping

- Notes or drawings indicate HVAC pipe insulation R-Values (eg hydronic systems, refrigerant lines)
- Notes or drawings indicate HVAC pipe insulation protection for pipes/insulation located outdoors (eg refrigerant lines)

Service Hot Water Piping

- Hot water pipe insulation R-value for pipes meeting any one of the following conditions
 - $\geq 3/4$ " nominal diameter
 - Located outside conditioned space
 - Between the water heater and manifold
 - Underground or in a slab
 - Serving more than one dwelling unit
 - Supply and return piping in recirculating hot water systems than demand recirculating systems

Lighting

- Lighting schedule or notes indicating percentage of high efficacy lighting

**RESIDENTIAL DUCT & EVELOPE TESTING (DET) FORM
(ALL NEW STRUCTURES)**

House Address: _____ Permit #: _____ Date: _____

Permit holder: _____ Phone: _____

**I. Building Envelope Air Leakage (mandatory):
Blower door test (mandatory)**

TEST RESULT:

Fan Flow at 50 Pascals _____ CFM50

Total Conditioned Volume _____ ft³

ACH50 = CFM50 x 60 / Volume = _____ ACH50*

Testing company: _____ Phone: _____

Tester Name (print): _____ Signature: _____ Date: _____

BPI or HERS certification number: BPI N.: _____ HERS Rater No.: _____ HERS RFI No.: _____

*For simulated performance alternative and energy rating index paths, value must match IECC energy cost report or final ERI report.

II. Heating and Cooling System Duct Leakage

- I certify that all portions of the ducts are located entirely within the building thermal envelope. Testing is not required.

Owner or approved third party signature: _____ Date: _____

Total duct leakage test

Energy code compliance path:

- Prescriptive (including REScheck)
- Performance or energy rating index
- Performance or Energy Rating Index

Type of test performed:

- Rough-in with air handler
- Rough-in without air handler
- Post construction

Test Result System 1:

- Fan Flow at 25 Pascals (CFM25) _____ CFM
- Conditioned Floor Area (CFA) served by system = _____ ft²
- CFM25/CFA x 100 = _____ CFM/100ft²

Test Result System 2 (if present):

- Fan Flow at 25 Pascals (CFM25) _____ CFM
- Conditioned Floor Area (CFA) served by system = _____ ft²

○ CFM25/CFA x 100 = ____CFM/100ft2

Testing company: _____ Phone: _____

Tester Name (Print): _____ Signature: _____ Date: _____

BPI or HERS certification number: BPI No.: _____ HERS Rater No.: _____ HERS RFI

No.: _____