



# The New York City Energy Conservation Code – Fall, 2010

2010



- Int. 343, the proposed 2010 NYCECC
- More stringent than the current 2009 NYCECC



- **NYC Amendments will address:**
  - **Chapter 1 – Administrative provisions**
  - **Chapter 2 – Some definitions**
  - **Chapter 6 – Referenced Standards**
- **Applies to *all* alterations**
- **NO technical changes**



- No exemption for NYC-only historic buildings or districts unless certified eligible for State or National designation
- All NYC is Zone 4A



- **Exemptions (PW1, Sec. 10)**
  - **ONLY applications that have NO work regulated by the ECC may claim exemption on the PW1**
  - **Applications that have some work that must comply, even if they also have some work that is exempt, must indicate on the PW1, Section 10, that they comply**



- **Exemptions (Energy Analysis)**
  - Applications that must comply but that have some exempt work may claim the exemption on the energy analysis – tabular analysis is clearest example – and provide the relevant citation in the 3<sup>rd</sup> column



## ENERGY ANALYSIS

### Commercial

**Repair top floor of 5-story warehouse from fire damage;  
miscellaneous repairs on other floors**

**Climate Zone 4A**

**ASHRAE 90.1 / 2004**

Item Description	Proposed Design Value	Code-Prescribed Value and Citation
Replace roof and add insulation above deck	R-19 continuous insulation; assembly U-.060	Maximum roof assembly U- 0.063, with minimum continuous insulation R-15.0 (Table 5.5-4)
Rebuild north wall and northwest corner of 5 <sup>th</sup> floor wall – steel frame and brick cavity wall	Wall assembly U-0.124 with R-19 insulation; no insulation on west part wall due to potential for moisture problems in existing wall without insulation	Maximum wall assembly U-0.124 with minimum insulation R-13.0 (Table 5.5-4)

- Exemptions (2010 ECCCNYS)
  - National or State designated historic buildings
  - Contributing buildings in National or State designated historic districts
  - Buildings eligible for the above
  - Envelopes of low-energy buildings



- **Exemptions (DoB)**
  - **Work that does not affect energy use**
    - **Temporary structures, in accordance with BC 3103**
    - **Work types FA, FP, SD, SP, FB, FS, EQ, CC, OT/BPP, OT/FPP do not affect energy use, in accordance with ECC 101.3**



- **ECC 101.4.3: Alterations must comply:**
  - **To the extent of the alteration, but not beyond**
  - **Unless compliance would create an unsafe or hazardous condition**
  - **Unless compliance would overload existing building systems**



- Exceptions to section ECC 101.4.3 are not exemptions, and may require demonstration in audit
- Increased from four to eight exceptions in 2010 ECC



- ECC 103.4, from the 2010 ECCCNYS, requires that if changes are made to the approved documents in construction, an amended set of construction documents must be submitted for approval
- Rule requires an as-built energy analysis for sign-off



- Some values have changed
- Detailed requirements for siding attachment over foam sheathing
- Added requirements for attics
- Added inspection criteria for air barrier and insulation
- Vapor barriers are not mandated in Zone 4A
- 50% high-efficacy lamps in dwellings



- Must use EITHER Chapter 5 OR ASHRAE 90.1 – no longer flexibility to mix standards
- Some values have changed
- Detailed requirements for siding attachment over foam sheathing
- Continuous air barrier
- Vapor barriers not mandated in Zone 4A



- Vertical fenestration > 40% - must use ASHRAE 90.1 and energy modeling
- Mechanical equipment sizing as well as efficiency; controls are critical
- Mandatory HVAC requirements expanded; simple buildings limited



- Energy recovery systems
- Fan horsepower limited
- Lighting controls are critical
- High-efficacy lamps in 50% of fixtures in dwelling units



- Reduced flexibility for interior lighting power – no space-by-space table; may affect choice between Chapter 5 and ASHRAE 90.1
- Expanded requirements for exterior lighting power: Zones; base site allowances; tradable and non-tradable surfaces



- Effective December 28, 2010



- Scheduled to be published as 2010 NYCECC



2009



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## NEW NYC CONSTRUCTION CODES

### BUILDING CODE REVISIONS

**NYC Construction Codes – NYC Construction Codes Text and Updates**  
Last Updated: August 9, 2010

Below is a chapter-by-chapter outline of the new NYC Construction Codes, with chapter updates made after July 1, 2008 from enacted local laws and administrative corrections. Chapters can be viewed in read-only format online.

The below updates are located beside the Construction Codes chapter it modifies. Please print all updates and insert them into your Construction Codes books. The Department will continue to add updates here. Please visit this site frequently to be sure your Construction Codes books remain updated. Construction books are available at NY City Store.

These files are in PDFs format.

Ch #	Subject	Updates
1	<a href="#">Administration</a>	<a href="#">Update 4-LL 27/08</a> <a href="#">Update 6-LL 33/08</a> <a href="#">Update 5-LL 29/08</a> <a href="#">Update 8-LL 37/08</a> <a href="#">Update 10-LL 41/08</a> <a href="#">Update 16-LL 21/09</a> <a href="#">Update 20-LL 37/09</a> <a href="#">Update 21-LL 39/09</a> <a href="#">Update 29-LL 70/09</a> <a href="#">Update 31-LL 75/09</a> <a href="#">Update 32-LL 77/09</a> <a href="#">Update 34-LL 85/09</a> <a href="#">Update 37-LL 05/10</a>
	<a href="#">Enforcement</a>	<a href="#">Update 2-LL 24/08</a> <a href="#">Update 6-LL 33/08</a> <a href="#">Update 7-LL 34/08</a> <a href="#">Update 8-LL 37/08</a> <a href="#">Update 13-LL 46/08</a> <a href="#">Update 14-LL 06/09</a>

**Sign up for:**  
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**BIS WEB QUERY**  
BUILDINGS INFORMATION SYSTEM

BOROUGH

**eFiling**

**MY COMMUNITY**

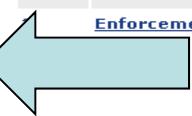
**LICENSE SEARCH**

**STATISTICS**

[BUILD Top 10](#)  
 [Weekly Reports](#)  
 [Monthly Reports](#)  
 [Snapshot Reports](#)  
 [OP-98 Rejections](#)

**DID YOU KNOW?**

**Design and construction in New York City is required**



Screen 1 of 2

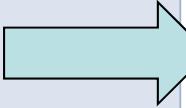
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Througths		
B Reserved		
<b>Plumbing Code</b>		
<b>Ch #</b> <b>Subject</b> <b>Updates</b>		
1	<a href="#">Administration</a>	Update 34-LL 85/09
2	<a href="#">Definitions</a>	Update 30-LL 71/09
3	<a href="#">General Regulations</a>	Update 34-LL 85/09
4	<a href="#">Fixtures, Faucets and Fixture Fittings</a>	
5	<a href="#">Water Heaters</a>	
6	<a href="#">Water Supply and Distribution</a>	Update 30-LL 71/09 Update 34-LL 85/09
7	<a href="#">Sanitary Drainage</a>	Update 17-LL 18/08 Update 30-LL 71/09
8	<a href="#">Indirect/Special Waste</a>	
9	<a href="#">Vents</a>	Update 30-LL 71/09
10	<a href="#">Traps, Interceptors and Separators</a>	
11	<a href="#">Storm Drainage</a>	
12	<a href="#">Special Piping and Storage Systems</a>	
13	<a href="#">Referenced Standards</a>	
A	Plumbing Permit Fee Schedule Reserved	
B	Rates of Rainfall for Various Cities Reserved	
C	<a href="#">Water Conservation Systems</a>	
D	Degree Day and Design Temperatures Reserved	
E	<a href="#">Sizing of Water Piping System</a>	

**New York City Amendments to the Energy Conservation Code Of New York State:**

On July 1, 2010 the [New York City Energy Conservation Code \(NYCECC\)](#) is effective. The NYCECC is more stringent than the state energy code and applies to all new building and alteration projects. Please see the New York City amendments to the Energy Conservation Code of New York State.

**All NYC Construction Code Updates:**

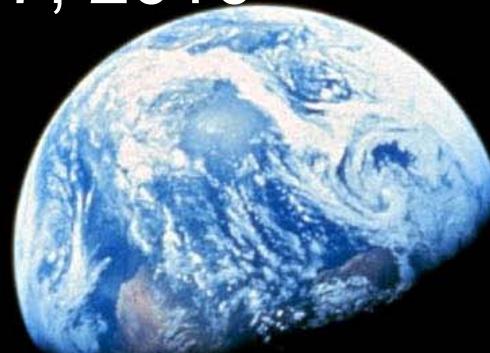
For your convenience, below are [PDFs](#) of all NYC Construction Code Updates available to date:

1. [Update 1-Ministerial Administrative Correction](#)
2. [Update 2-11 24/08](#)

Screen 2 of 2

# DOB Rule - Energy Code Compliance

- Document submission requirements
- Progress inspections
  1. Progress inspections must be noted and described in the approved construction drawings – effective Sept. 7, 2010
  2. Details the “relevant experience” required of a progress inspector – effective Jan. 1, 2011



**TABLE II – PROGRESS INSPECTIONS FOR ENERGY CODE COMPLIANCE – COMMERCIAL BUILDINGS**

	<b>Inspection/Test</b>	<b>Periodic (minimum)</b>	<b>Reference Standard (See ECC Chapter 10) or Other Criteria</b>	<b>ECC or Other Citation</b>
<b>IIA</b>	<b>Envelope Inspections</b>			
IIA1	Protection of exposed foundation insulation: Insulation shall be visually inspected to verify proper protection where applied to the exterior of basement or cellar walls, crawl-space walls and/or the perimeter of slab-on-grade floors.	As required during foundation work and prior to backfill	Approved construction documents	102.2.1
IIA2	Insulation placement and R-values: Installed insulation for each component of the conditioned space envelope and at junctions between components shall be visually inspected to ensure that the R-values are marked, that such R-values conform to the R-values identified in the construction documents and that the insulation is properly installed. Certifications for unmarked insulation shall be similarly visually inspected.	As required to verify continuous enclosure while walls, ceilings and floors are open	Approved construction documents	102.1, 802.2, Tables 802.2; ASHRAE 90.1 – 5.4.1, 5.5, 5.6, 5.8.1

**NYC ECC effective**

07 / 2010

**Progress  
inspections required  
in approved  
drawings**

09 / 2010

**Amended NYCECC  
effective (12/28);  
Progress inspector  
qualifications  
required;  
Amended rule to  
come**

01 / 2011

**PW1, PW1C and TR1  
amended for new  
code and progress  
inspections; TR8  
created for progress  
inspections**



Timeline

# NYCECC training

- **US ARRA funding goal: Compliance in 90% of new & renovated space by 2017**
- **DoB consultant: Online training materials in spring – 2015 goal**
- **NYS consultants: Training for professionals around the State**
- **Partnership with professional associations**



<input type="checkbox"/> <input type="checkbox"/> Compensated Development (Inclusionary Housing)	<input type="checkbox"/> <input type="checkbox"/> Infill Zoning	
<input type="checkbox"/> <input type="checkbox"/> Low Income Housing (Inclusionary Housing)	<input type="checkbox"/> <input type="checkbox"/> Loft Board	
<input type="checkbox"/> <input type="checkbox"/> Single Room Occupancy (SRO) Multiple Dwelling	<input type="checkbox"/> <input type="checkbox"/> Quality Housing	9J CPC Calendar No(s) <hr/> <hr/>
<input type="checkbox"/> <input type="checkbox"/> Filing includes Lot Merger / Reapportionment <i>If yes, 17</i>	<input type="checkbox"/> <input type="checkbox"/> Site Safety Job/Project	
9D <input type="checkbox"/> <input type="checkbox"/> Includes permanent removal of standpipe, sprinkler or fire suppression related systems		
9E <input type="checkbox"/> <input type="checkbox"/> Work includes partial demolition as defined in AC §28-101.5 <i>If yes, 21B</i>	<input type="checkbox"/> <input type="checkbox"/> Structural Stability affected by proposed work	9K High-Rise Team Tracking Number:
9L CRFN(s) Restrictive Declaration / Easement (max. 4):		
9M CRFN(s) Zoning Exhibit (I, II, III, etc. - max. 4):		

10 | **ECCCNYS Compliance** *Energy Conservation Construction Code of NYS*

To the best of my knowledge, belief and professional judgment, this application is in compliance with the ECCCNYS.\*

Energy analysis is on another job number: \_\_\_\_\_

The work proposed in this application is exempt from the ECCCNYS because per Chapter 1 of the ECCCNYS it is:\*

- An alteration but not a substantial alteration
- Work in a historic building
- Work in an exempt building (*specify category/reasons in 10A*)\*\*

**10A Specific Reason for ECCCNYS Exemption**

*\*I understand the Department may require supporting analyses and documentation.  
\*\*S101.5.2.1 of the ECCC/NYS only exempts thermal envelope provisions.*

## 11 Job Description

**11A Related DOB Job Numbers**

Insert either related BIS numbers or names and disciplines of applicants for as yet unfiled applications or documents HERE

## PlaNYC GOAL:

**Reduce carbon emissions  
by 30%  
from 2005 levels  
by 2030**



[energycode@buildings.nyc.gov](mailto:energycode@buildings.nyc.gov)



## OPERATIONAL CHANGES

FORM CHANGES

SUBMISSION REQUIREMENTS

E-FILING CHANGES

- Job Application Preparation (PW1)
- Electrical Applications (ED16A)

EFFECTIVE JANUARY 1, 2011



**Amended PW1 – Additional Considerations (Section 9)  
NYC Energy Code Compliance (Section 10)**

**Amended PW1C – Boiler Information (Section 4)**

**Amended TR1 – Progress Inspections (Section 4)**

**New TR8 – Energy Code Progress Inspections**

**Amended ED16A – Construction Permit (Section 3)  
Work to be Done (Section 6)**



**Updated PC1 – Updated to include all Required Items  
currently in use**

**Applicable to Commercial and Residential New Building & Alteration Projects.**

**Compliance / Exemption statement MUST be on the drawings**

- **PW1 - Section 9 : Indicate if work includes lighting**
- **PW1 - Section 10: Compliance**

**Indicate that the job is in compliance,**  
- Indicate trade off among systems, &  
- Indicate trade of a single system,

## **Exemption**

**Indicate that the job is exempt based on,**  
- State or National Historic Building, or  
- Work is in low energy building, or  
- Work doesn't affect building energy use

## 9 Additional Considerations, Limitations or Restrictions

Yes	No	Yes	No	9F Structural Peer Reviewer License No. P.E.
9A <input type="checkbox"/> <input type="checkbox"/> Structural peer review required per BC §1627 <i>If yes, 9F</i>				
9B <input type="checkbox"/> <input type="checkbox"/> Filed to Comply with Local Law <i>If yes, 9G</i> <input type="checkbox"/> <input type="checkbox"/> Other, specify: _____		<input type="checkbox"/> <input type="checkbox"/> Landmark <input type="checkbox"/> <input type="checkbox"/> "Little E" Hazmat Site <input type="checkbox"/> <input type="checkbox"/> Unmapped Street <input type="checkbox"/> <input type="checkbox"/> Filing to Address Violation(s) <i>If yes, 9H</i>		9G Local Law No(s) _____ Year _____
<input type="checkbox"/> <input type="checkbox"/> Restrictive Declaration / Easement <i>If yes, 9L</i> <input type="checkbox"/> <input type="checkbox"/> Zoning Exhibit (I, II, III, etc.) <i>If yes, 9M</i> <input type="checkbox"/> <input type="checkbox"/> Requesting legalization of work on or after Jan. 1, 1989 where no work w/o a permit violations have been issued				9H Violation No(s) _____
9C <input type="checkbox"/> <input type="checkbox"/> Adult Establishment <i>If yes, plot diagram (except DM)</i> <input type="checkbox"/> <input type="checkbox"/> Compensated Development (Inclusionary Housing) <input type="checkbox"/> <input type="checkbox"/> Low Income Housing (Inclusionary Housing) <input type="checkbox"/> <input type="checkbox"/> Single Room Occupancy (SRO) Multiple Dwelling <input type="checkbox"/> <input type="checkbox"/> Filing includes Lot Merger / Reapportionment <i>If yes, 17</i>		<input type="checkbox"/> <input type="checkbox"/> Included in LMCCC <input type="checkbox"/> <input type="checkbox"/> Infill Zoning <input type="checkbox"/> <input type="checkbox"/> Loft Board <input type="checkbox"/> <input type="checkbox"/> Quality Housing <input type="checkbox"/> <input type="checkbox"/> Site Safety Job/Project		9I BSA Calendar No(s) _____
9D <input type="checkbox"/> <input type="checkbox"/> Includes permanent removal of standpipe, sprinkler or fire suppression related systems				9J CPC Calendar No(s) _____
9E <input type="checkbox"/> <input type="checkbox"/> Work includes partial demolition as defined in AC §28-101.5 <i>If yes, 21B</i> <input type="checkbox"/> <input type="checkbox"/> Structural Stability affected by proposed work				9K High-Rise Team Tracking Number: _____
9L <input type="checkbox"/> <input type="checkbox"/> Work includes lighting fixture and/or controls, installation or replacement.				
9M CRFN(s) <i>Restrictive Declaration / Easement (max. 4):</i>				
9N CRFN(s) <i>Zoning Exhibit (I, II, III, etc. - max. 4):</i>				

## 10 NYCECC Compliance *New York City Energy Conservation Code*

To the best of my knowledge, belief and professional judgment, all work under this application is in compliance with the NYCECC

Energy analysis is on another job number: \_\_\_\_\_

*Check all that apply, if applicable*

Yes  No This application is, or is part of, a project that utilizes trade-offs among different major systems

Yes  No This application utilizes trade-offs within a single major system

To the best of my knowledge, belief and professional judgment, all work under this application is exempt from the NYCECC in accordance with one of the following: *Check only one box as applicable*

The work is an alteration of a State or National historic building.

The scope of work is entirely in a "low-energy building" and is limited to the building envelope.

The scope of work does not affect the energy use of the building.

Considerations [\(show help for this section\)](#)

## (PW1 - Section 9)

\*How will this application be filed?

Please Specify...



\*Is this application filed to comply with local law(s)?

Yes  No

\*Is there a Restrictive Declaration / Easement?

Yes  No

\*Is there Zoning Exhibit (I, II, III, etc)?

Yes  No

\*Does this application include other considerations, limitations, or restrictions?

Yes  No

\*Is there a High Rise Team tracking number associated with the application?

Yes  No

\*Are there CPC calendar numbers associated with this filing?

Yes  No

\*Are there BSA calendar numbers associated with this filing?

Yes  No

\*Is this application filed to address Violation(s)?

Yes  No

\*Is the site on an unmapped Street?

Yes  No

\*Is this an Adult Establishment application (Cannot Professionally Certify) ?

Yes  No

\*Does this application pertain to Compensated Development (Inclusionary Housing)?

Yes  No

\*Does this application pertain to Low Income Housing (Inclusionary Housing)?

Yes  No

\*Is the site a Single Room Occupancy Multiple Dwelling?

Yes  No

\*Is this included in Lower Manhattan Construction Command Center(LMCCC)?

Yes  No

\*Is this Infill Zoning?

Yes  No

\*Does this application pertain to Quality Housing?

Yes  No

\*Is this a Site Safety Job / Project?

Yes  No

\*Is a Structural peer review required per Building Code § 1627?

Yes  No

\*Is this application requesting legalization of work on or after January 1, 1989, where no Work Without a Permit violations have been issued?

Yes  No

**\*Does your work include lighting fixtures and/or controls, installation or replacement?**

## Compliance (PW1- Section 10)

Replace all ECCCNYS references with NYCECC

**Energy Conservation Construction Code of NYS Compliance** [show help for this section](#)

To the best of my knowledge, belief and professional judgement, this application is in compliance with the ECCCNYS.

Yes  Exempt (DOB may require supporting analysis and documentation)

\*Was the Energy analysis submitted on another job number?  Yes  No

Revise Compliance and  
Exemption Statements &  
add sub-statements

## Exemption (PW1- Section 10)

**Energy Conservation Construction Code of NYS Compliance** [show help for this section](#)

\*To the best of my knowledge, belief and professional judgement, this application is in compliance with the ECCCNYS.

Yes  Exempt because per Chapter 1 of the ECCCNYS it is

- Applicable to oil and gas boiler installations
- Specify efficiency rating: (e.g. 83%)
- Cite test procedure from NYCECC: (e.g. DOE 10 CFR)
- Check NYCECC device compliance

**4 Boiler Specifications** Required for *all* applications. Only one boiler type per Schedule C.

No. of Boilers to be Installed	If Modular, Number of Units	DEP Installation No.*				
Operating Gauge Pressure	Pressure Settings of Relief Valves	Operating Weight of Boiler				
Boiler Type:	<input type="checkbox"/> High Pressure or <input type="checkbox"/> Low Pressure and <input type="checkbox"/> Water Tube or <input type="checkbox"/> Fire Tube or <input type="checkbox"/> Cast Iron and					
*DEP no. for replacements only.	<input type="checkbox"/> Steam or <input type="checkbox"/> Hot Water	Fuel Used: <input type="checkbox"/> Oil or <input type="checkbox"/> Gas or <input type="checkbox"/> Electric				
Item Manufacturer / Trade Name	MEA / BSA Number	Model Number	Qty. Boilers	Input Capacity (btu/hr)	Output Capacity (btu/hr)	Efficiency / Test Procedure
<input type="checkbox"/> The device complies with the NYCECC Table 503.2.3(5) efficiency and test procedures as indicated above, or ECC 403.6 as applicable.						

- Indicate if the project requires Energy Code Compliance Inspection
- The Design Professional (Applicant of Record) identifies that the Energy Code Compliance Progress Inspection is required by indicating “Yes” on the TR1
- Complete TR8

**4 Progress Inspection Items** Required for all applications. █ indicates report required.

4 Progress Inspection Items Required for all applications. <span style="background-color: black; color: white; padding: 2px 5px;">█</span> indicates report required.		4B Identification of Responsibilities	4C Certificate of Complete Inspections / Tests	4D Withdraw Responsibilities
Y	N Progress Inspections	Code/Section	Initial & Date	Initial & Date
<input type="checkbox"/>	<input type="checkbox"/> Preliminary	28-116.2.1, BC 109.2		
<input type="checkbox"/>	<input type="checkbox"/> Footing and Foundation	BC 109.3.1		
<input type="checkbox"/>	<input type="checkbox"/> Lowest Floor Elevation (attach FEMA form)	BC 109.3.2		
<input type="checkbox"/>	<input type="checkbox"/> Frame Inspection	BC 109.3.3		
<input type="checkbox"/>	<input type="checkbox"/> Energy Code Compliance Inspections <span style="background-color: yellow; border: 1px solid black; padding: 2px;">█ TR8</span>	BC 109.3.5	Submit TR8 to complete this item	
<input type="checkbox"/>	<input type="checkbox"/> Fire-Resistance Rated Construction	BC 109.3.4		
<input type="checkbox"/>	<input type="checkbox"/> Public Assembly Emergency Lighting	28-116.2.2		
<input type="checkbox"/>	<input type="checkbox"/> Final*	28-116.2.4.2, BC 109.5, Directive 14 of 1975, and 1 RCNY §101-10		

\* For column 4C, indicate date when the actual final inspection was performed

**1RCNY §5000-01 sets forth the filing requirements, approval of construction documents, and progress inspections - Effective September 7, 2010**

**Submission Requirements (Design Professional- Applicant of Record)**

- **Indicate progress inspections on the construction drawings**
- **Table I - Residential**
- **Table II – Commercial**
- **Submit TR8 prior to approval – Effective January 1, 2011**



### 3 Energy Code Progress Inspection Required for applications where Energy Code Compliance Progress Inspection is marked Yes on TR1

3A ← Identification of Requirement		Table Reference in 1RCNY §5000-01(h) (1) and (2)	3B Identification of Responsibilities	3C Certificate of Complete Inspections / Tests	3D Withdraw Responsibilities
Y	N Progress Inspections		Initial & Date	Initial & Date	Initial & Date
<input type="checkbox"/>	<input type="checkbox"/> Protection of foundation insulation	(IA1), (IIA1)			
<input type="checkbox"/>	<input type="checkbox"/> Insulation placement and R values	(IA2), (IIA2)			
<input type="checkbox"/>	<input type="checkbox"/> Fenestration thermal values and ratings	(IA3), (IIA3)			
<input type="checkbox"/>	<input type="checkbox"/> Fenestration ratings for air leakage	(IA4), (IIA4)			
<input type="checkbox"/>	<input type="checkbox"/> Fenestration areas	(IA5), (IIA5)			
<input type="checkbox"/>	<input type="checkbox"/> Air sealing and insulation — visual	(IA6), (IIA6)			
<input type="checkbox"/>	<input type="checkbox"/> Air sealing and insulation — testing	(IA7)			
<input type="checkbox"/>	<input type="checkbox"/> Projection factors	(IIA7)			
<input type="checkbox"/>	<input type="checkbox"/> Loading deck weather seals	(IIA8)			
<input type="checkbox"/>	<input type="checkbox"/> Vestibules	(IIA9)			
<input type="checkbox"/>	<input type="checkbox"/> Fireplaces	(IB1), (IIB1)			
<input type="checkbox"/>	<input type="checkbox"/> Dampers integral to building envelope	(IB2), (IIB2)			
<input type="checkbox"/>	<input type="checkbox"/> HVAC and service water heating equipment	(IB3), (IIB3)			
<input type="checkbox"/>	<input type="checkbox"/> HVAC and service water heating system controls	(IB4), (IIB4)			
<input type="checkbox"/>	<input type="checkbox"/> Duct plenum and piping insulation and sealing	(IB5), (IIB5)			
<input type="checkbox"/>	<input type="checkbox"/> Duct leakage testing	(IB6), (IIB6)			
<input type="checkbox"/>	<input type="checkbox"/> Electrical metering	(IC1), (IIC1)			
<input type="checkbox"/>	<input type="checkbox"/> Lighting in dwelling units	(IC2), (IIC2)			
<input type="checkbox"/>	<input type="checkbox"/> Interior lighting power	(IIC3)			
<input type="checkbox"/>	<input type="checkbox"/> Exterior lighting power	(IIC4)			
<input type="checkbox"/>	<input type="checkbox"/> Lighting controls	(IIC5)			
<input type="checkbox"/>	<input type="checkbox"/> Exit signs	(IIC6)			
<input type="checkbox"/>	<input type="checkbox"/> Tandem wiring	(IIC7)			
<input type="checkbox"/>	<input type="checkbox"/> Electrical motors	(IIC8)			
<input type="checkbox"/>	<input type="checkbox"/> Maintenance information	(ID1), (IID1)			
<input type="checkbox"/>	<input type="checkbox"/> Permanent certificate	(ID2)			

Design Professional files prior to approval

Progress Inspector files prior to permit

Progress Inspector files prior to sign-off

## TR8

PAGE 2

4 Design Applicant's Statements and Signatures *P.E./R.A. responsible for plans must sign and seal.*

I have identified herein all of the progress inspections and tests required for compliance.

Name (please print)

Signature

Date

P.E. / R.A. Seal *(apply seal, then sign and date over seal)*

## 5 Inspection Applicant's Identification of Responsibilities

Check all that apply below:

For the progress inspections indicated above in section 3, I certify that I am the principal/director of the progress inspection agency accepting responsibility for conducting the inspections. I further certify that I have read the applicable sections of the New York City Construction Codes and 1 RCNY 5000-01 in connection with progress inspections as well as 1 RCNY 101-07, which specifies the qualifications required for each progress inspector and that this agency meets those qualifications for each and every progress inspection for which I/we take responsibility. I agree that both I and the agency will comply with all provisions of the New York City Construction Codes and the Rules. I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Change of Applicant: I am a newly designated individual responsible for the items specified herein and I hereby state that:

- None of the inspections/tests indicated herein have been performed to date by the previously designated individual.
- Some of the inspections/tests indicated herein have been performed by the previously designated individual, as indicated in the attached report.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Name (please print)

Signature

Date

P.E. / R.A. Seal *(apply seal, then sign and date over seal)*

## 6 Inspection Applicant's Certification of Completion

I have completed the items specified herein and certify the following (check one only):

- All work performed has been performed in accordance with applicable provisions of the New York City Energy Conservation Code and other designated rules and regulations.
- All work performed has been performed in accordance with applicable provisions of the New York City Energy Conservation Code and other designated rules and regulations, except as indicated in the attached report.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Withdrawal of Applicant: I am withdrawing responsibility for the items of progress inspections and/or tests indicated herein and herewith submit the results or status of the work performed to date.

Name (please print)

Signature

Date

P.E. / R.A. Seal *(apply seal, then sign and date over seal)*

# Amended 1RCNY §101-07 sets forth qualifications for progress inspectors – Effective January 1, 2011

Progress Inspection Category	2008 Code Section	Qualifications	
		Primary Inspector or Inspection Supervisor	Supplemental Inspector under direct supervision of Inspection Supervisor
Energy code compliance – “residential” <sup>1</sup> buildings	BC 109.3.5	<ul style="list-style-type: none"><li>• <u>Registered design</u> <u>professional of record for the</u> <u>respective work;</u> or</li><li>• <u>Registered design</u> <u>professional with five years</u> <u>experience in the design,</u> <u>construction, construction</u> <u>observation and/or</u> <u>inspection of Energy Code-</u></li></ul>	<ul style="list-style-type: none"><li>• <u>3 years experience</u> <u>in the inspection or</u> <u>construction</u> <u>observation of</u> <u>buildings for Energy</u> <u>Code-regulated</u> <u>systems</u></li></ul>
Energy code compliance – “commercial” <sup>2</sup> buildings	BC 109.3.5	<p><u>regulated systems for</u> <u>buildings</u></p> <ul style="list-style-type: none"><li>• <u>Registered design</u> <u>professional of record for the</u> <u>respective work;</u> or</li><li>• <u>Registered design</u> <u>professional with five years</u> <u>experience in the design,</u> <u>construction, construction</u> <u>observation and/or</u> <u>inspection of Energy Code-</u> <u>regulated systems for</u> <u>commercial buildings, at</u> <u>least three years of which</u> <u>shall be for the system</u> <u>type(s) for which he/she</u> <u>performs progress</u> <u>inspections</u></li></ul>	<ul style="list-style-type: none"><li>• <u>3 years experience</u> <u>in the inspection or</u> <u>construction</u> <u>observation of the</u> <u>system type(s) for</u> <u>Energy Code-</u> <u>regulated systems</u> <u>in commercial</u> <u>buildings for which</u> <u>he/she performs</u> <u>progress</u> <u>inspections</u></li></ul>

## Applicable to Commercial and Residential New Building & Alteration Electrical Projects.

- Indicate if the job complies with NYCECC
- Provide the job number if:
  - Work affects the Certificate of Occupancy
  - Work is regulated by NYCECC and construction is being performed
- Indicate that lighting work is to be done

**ALL REFERENCES TO THE ECCCNYS HAVE BEEN REPLACED WITH NYCECC**



## ED16A: Electrical Permit Application

Obey the Law-Obtain Permit before starting work  
Section 27-3018(b)

## INSTRUCTIONS:

1. This form must be completed fully, clearly printed in ink or typewritten.
2. Licensed Electrician must sign and seal the application.
3. Mail the application or deliver it in person to NYC Department of Buildings, Electrical Division, 280 Broadway 4th Floor, New York, NY 10007.
4. For Service/Meter work or a new or amended Certificate of Occupancy, certify that you have written Owner's Authorization. See section 13.
5. All incomplete applications will be returned to the applicant. Only authorized versions of this application will be accepted.

## 1 Licensee Information

Electrical Firm Name

License #

Firm #

## 3 Construction Permit Information

Is this Job C of O (Certification of Occupancy) related?  Yes  NoIf work is C of O related or New Building please provide DOB  
Construction/ BIS Job Number \_\_\_\_\_Is this job regulated by the NYC Energy Conservation Code?  Yes  No

Please provide DOB Construction/ BIS Job Number \_\_\_\_\_

## 4 Owner/Occupant Violation Removal

 X Removal of Violation

Violation # (one per application)

## 5 Job Location

Borough

House No./ Street Name

Zip Code

Floor/Room/Apt. No.

## 6 Work to be Done Check all boxes that apply

<input type="checkbox"/> 1. Service Work /Notify Utility (complete Section 10 #8)	<input type="checkbox"/> 3. Elevator/Escalator/ Material Lift	<input type="checkbox"/> 5. Fire Damage	<input type="checkbox"/> 7. HVAC Wiring
<input type="checkbox"/> 2. Temporary Construction Service	<input type="checkbox"/> 4. Amusement Rides	<input type="checkbox"/> 6. General Wiring	<input type="checkbox"/> 8. Boiler/ Burner Wiring
<input type="checkbox"/> T. Temporary Light & Power	<input type="checkbox"/> W. Sidewalk Shed Wiring & Lighting (If W is selected, no other selections are allowed)		
<input type="checkbox"/> S. Sustainable Energy Installs	<input type="checkbox"/> Lighting Work	<input type="checkbox"/> 9. Other: _____	
<input type="checkbox"/> Removing violation(s) issued to another licensed firm. Application(s) # (s) (Max. 3)			

## 7 Special Certification/Approval Required Check all boxes that apply

 A Adequate Wiring Program E Emergency Lighting Local Law 16/84  
(Requires Compliance Letter) B Boiler Controls J-51  
Certification L Fire Alarm Local  
Law #5

**\* Job Number**DOB Construction Permit Number (Job/Bis #)  ( Required for New Building or C of O Related )[Jump to bottom](#)**\* Work to Be Done (Check all that apply - Maximum of 9 selections)**

1 Service Work/Notify Utility  
( Must complete Service/Meter Section )

Lift

 3 Elevator/Escalator/Material 5 Fire Damage 7 HVAC Wiring

2 Temporary Construction

4 Amusement Rides

6 General

8 Boiler/Burner Wiring

(T) Temporary Light & Power

(W) Sidewalk Shed Wiring & Lighting

(S) Sustainable Energy

Installs

9 Other

Removing Violation Issued to or filed by another Licensed Firm - Provide Application #

# Thank You!

Operational / Filing Questions?

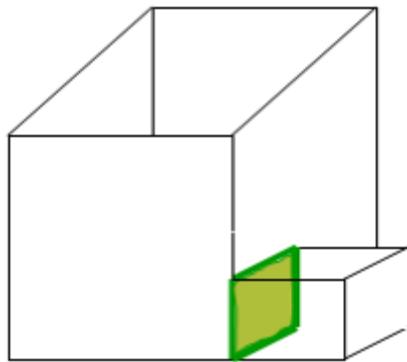
Email us at:

[OperationsRedesign@buildings.nyc.gov](mailto:OperationsRedesign@buildings.nyc.gov)



- Question: In my apartment, I am moving some non-structural walls and installing new lighting in a new open kitchen area. The kitchen has all new appliances, including a new oven with an exhaust hood. My apartment is on the 6<sup>th</sup> and top floor of my building. Do I need to comply with the ECC?

- Answer: Yes, because of your new lighting and exhaust hood. Your exhaust hood, in addition to requiring a damper, will penetrate the roof and therefore require insulation at the penetration.
- §505.5, 503.2.4.4, 502.4.3, 502.4.4; ASHRAE 90.1 – §9, 6, 5



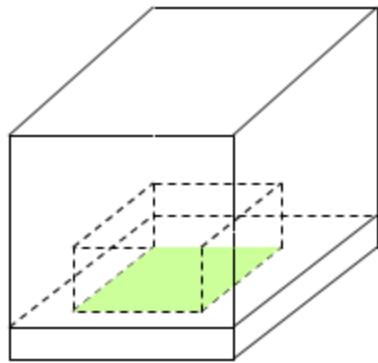
- For an Alt 2, new and unheated garage addition...
- Question: Does the wall between the one family (R-3) house and the new garage need comply?

- Answer: Yes. The wall separates conditioned from unconditioned space.
- §101.5.2

- Question: For the same structure, does the roof need to comply?
- Answer: No. The garage is unconditioned space.
- §101.5.2

- Question: If you were to replace windows in the house and include windows in the garage addition, would they need to comply with the ECC?

- Yes. The windows in the house must comply. §402.1.1
- No. The windows in the garage do not need to comply. §101.5.2



- For an Alt 2, tenant (theater) fit-out in an existing building...
- Question: Does this project need to comply?

- Yes, if lighting, HVAC, service hot water or control systems are involved. In addition, if there is any work on the envelope of the building (roof, walls, foundation), that work would need to comply.
- §505, 503, 502.1; ASHRAE 90.1 – §9, 6, 7, 5

- Question: Does an outdoor café heated for fall and spring use need to comply with the ECC?

- Answer: Yes.
- §503.2.11; ASHRAE 90.1 - §6.5.8.1