



No	Topic	Code Section	Required/ Allowed	Actual	Comment
	Smoke Detection	R317.1			
	Power Source	R317.2			
13	Sprinkler System	R317.3			
14	Foam Plastic	R318			
15	Flame Spread and Smoke Density	R319			
16	Insulation	R320			
17	Dwelling Unit Separation	R321			
18	Moisture Vapor Retarders	R322			
19	Protection Against Decay	R323			
20	Termite Protection	R324			
21	Accessibility	R326			
22	Flood Resistant Construction	R327			
23	Foundations	R401.1			Provide additional information below.
	Soil Tests	R401.4			Provide additional information below.
	Materials	R402			
	Footings	R403			
	Foundation Walls	R404			
24	Floors	R501.1			
	Wood Floor Framing	R502			
	Floor Sheathing	R503/Table 503.1			
	Steel Floor Framing	R505			
	Concrete Floors	R506			
25	Wall Construction	R601.1			
	Wood Wall Framing	R602			
	Steel Wall Framing	R603			
	Masonry Construction	R606			
	Insulating Concrete Form Wall Construction	R611			
26	Wall Covering	R701.17			
	Interior Covering	R702			
	Exterior Covering	R703			
27	Roof-Ceiling Construction	R801.1			
	Wood Roof Framing	R802			
	Roof Sheathing	R803			
	Steel Roof Framing	R804			
	Roof Ventilation	R806			
	Attic Access	R807			
28	Roof Assemblies	R901.1			
	Roof Classification	R902			
	Roof Covering	R905			
29	Chimney and Fireplaces	R1001.1			
	Masonry Chimneys	R1001			
	Factory-Built Chimneys	R1002			
	Masonry Fireplaces	R1003			
	Factory-Built Fireplaces	R1004			
30	Energy Efficiency	N1100			Provide additional information below.
31	Mechanical	Chapters 12 - 23			
	Type of Fuel for Heating	M1304			Fuel type:
	Clearance from Combustibles	M1306			Identify inches of clearance (in spaces to the left).
	Refrigeration Cooling	M1411			Type of refrigerant:

No	Topic	Code Section	Required/ Allowed	Actual	Comment
	Equipment				
	Clothes Dryer Exhaust	M1501			
	Range Hood Exhaust	M1502			
	Mechanical Exhaust Rates for Kitchens	M1506 (Table M1506.3)			
	Mechanical Exhaust Rates for Bathrooms	M1506 (Table M1506.3)			
	Gauge of Metal Ducts	M1601			
	Source of Combustion Air	M1702 & M1703			
	Chimney or Gas Vent Size	M1801			Provide size in inches.
	Special Fuel-burning Equip	M1901			
	Boilers	M2001			
	Hydronic Piping Materials	M2101			
	Oil Tanks (Size & Location)	M2201			
32	Fuel Gas	G2402.1			
	Prohibited Locations	G2406.2			
	Combustion, Vent & Dilution Air	G2407			
	Installation	G2408			
	Clearance Reduction	G2409			
	Gas Pipe System	G2411			
	Category of Equipment (I, II, III, IV)	G2426			
33	Plumbing	P2601.1			
	Fixtures	R 306 & P2701.1			Provide additional information below.
	Water Heaters	P2801.1			
	Water Supply Materials	Labor Law Art. 10-A			See Labor Law Art. 10-A for piping materials.
	Water Supply	P2902/2903/2904			
	Sanitary Drainage	P3001.1			
	Plumbing Vents	P3101.1			
34	Electrical	E3301.1			
	Equip Location/Clearances	E3305			
	Ground-Fault & Arc Fault Circuit Protection	E3802			
	Emergency Power	N/A			
	Exit Lights	N/A			
	Emergency Lighting	N/A			

**ADDITIONAL INFORMATION:**  
**CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA (R301.2)**

TABLE R301.2(1)

Ground Snow Load	Wind Speed	Seismic Design Category	Subject to Damage From				Winter Design Temp	Ice Shield Underlay-ment Required	Flood Hazards
			Weathering	Frost Line Depth	Termite	Decay			

**WIND LIMITATIONS (R301.2.1)**

Wind Speed (per figure R301.2(4)) \_\_\_\_\_  
 Design Criteria (if >110 mph per R301.2.1.1) \_\_\_\_\_  
 Exposure Category \_\_\_\_\_

**FOUNDATIONS (R401.1)**

**SOIL BEARING CAPACITIES:**  
 Field Test (provide copy of test report) \_\_\_\_\_ psf  
 Presumptive Bearing capacity \_\_\_\_\_ psf

**ENERGY EFFICIENCY (N1101.1)**

**COMPLIANCE METHOD**

**Residential (N1101.1/101.3.1)**     Yes     No    If yes, indicate compliance method below:

Residential Code of New York State, Chapter 11        Check one box below:

One and two family dwelling with glazing area \* 15%   

Townhouse with glazing area \* 25%   

Energy Conservation Construction Code of New York State        Check one chapter box & one glazing area box below:

Chapter 4        One and two family dwelling with glazing area \* 15%        ≥15%   

Chapter 5        R-2, R-4 or Townhouse with glazing area \* 25%        ≥25%   

Chapter 6   

**EXEMPT BUILDING?** (N1101.2.5/101.4.1)     Yes     No

If yes, describe exemption type: \_\_\_\_\_

**HISTORIC BUILDING?** (N1101.2.5.3/101.4.2.3)     Yes     No

**ALTERATION TO EXISTING BUILDING?** (N1101.1.3/101.4.2.4)     Yes     No

If yes, list building system(s) undergoing substantial alteration(s): \_\_\_\_\_

**PROJECT LOCATION:** (N1101.2/302.1)

County: \_\_\_\_\_

Zone: \_\_\_\_\_

**THERMAL VALUES OF BUILDING COMPONENTS**

(N1102/N1103.3/N1103.5/N1104.5/104.3/402/502/503/602/802/803)

Fill in values below as applicable:

Foundation wall construction – U-value: \_\_\_\_\_

Foundation wall insulation – R-value: \_\_\_\_\_  
     Insulation depth: \_\_\_\_\_  
 Below grade wall insulation – R-value: \_\_\_\_\_  
 Basement walls – U value: \_\_\_\_\_  
 Basement wall insulation – R-value: \_\_\_\_\_  
     Insulation depth: \_\_\_\_\_  
 Crawl space walls – U-value \_\_\_\_\_  
 Crawl space wall insulation – R-value: \_\_\_\_\_  
 Heated slab on grade insulation – R-value: \_\_\_\_\_  
 Unheated slab on grade insulation – R-value: \_\_\_\_\_  
 Slab edge insulation – R-value: \_\_\_\_\_  
     Insulation depth: \_\_\_\_\_  
 Floors over unheated spaces – U-value: \_\_\_\_\_  
 Floors over unheated spaces insulation – R-value: \_\_\_\_\_  
 Interior walls separating conditioned &  
     unconditioned spaces insulation – R-value: \_\_\_\_\_  
 Exterior wall construction – U-value: \_\_\_\_\_  
 Exterior wall insulation – R-value: \_\_\_\_\_  
 Roof/ceiling construction – U-value: \_\_\_\_\_  
 Roof/ceiling insulation – R-value: \_\_\_\_\_  
 Skylights – U-value: \_\_\_\_\_  
 Windows – U-value: \_\_\_\_\_  
     Air infiltration rate: \_\_\_\_\_  
     % window area: \_\_\_\_\_  
     Projection factor: \_\_\_\_\_  
 Exterior doors – U-value: \_\_\_\_\_  
     Air infiltration rate: \_\_\_\_\_  
     % door area \_\_\_\_\_  
 Fenestration solar heat gain coefficient: \_\_\_\_\_  
 Duct insulation – R-value: \_\_\_\_\_  
 Pipe insulation – R-value: \_\_\_\_\_

**MECHANICAL & ELECTRICAL SYSTEMS:** (N1103/N1104/402/503/504/505/603/803/804/805/806)

**Electric resistance heat?** (N1101.3.5/101.3.1.3)     Yes     No

**Renewable energy sources used?** (403/806.2.4)     Yes     No

If yes, describe type: \_\_\_\_\_

**Describe HVAC system(s) type:** \_\_\_\_\_

**Design Values:**

	<u>Heating</u>	<u>Cooling</u>
Indoor temperature	_____	_____
Outdoor temperature	_____	_____

**Heating and cooling load calculations:**

Attach calculations for all systems.

**Equipment:**

Fill in values below as applicable:

<u>Equipment Type</u>	<u>Fuel</u>	<u>Rating/Size</u>	<u>Efficiency</u>	<u>Type</u> _____
Water Heaters	_____	_____	_____	
Storage Tanks	_____	_____	_____	
Boilers	_____	_____	_____	Steam <input type="checkbox"/> HW <input type="checkbox"/>
Furnaces	_____	_____	_____	
Chillers	_____	_____	_____	Electric <input type="checkbox"/> Centrifugal <input type="checkbox"/> Air cooled <input type="checkbox"/> Water cooled <input type="checkbox"/>
Condensers	_____	_____	_____	

Cooling Towers \_\_\_\_\_  
 Air Conditioners \_\_\_\_\_  
 Heat Pumps \_\_\_\_\_  
 Package units \_\_\_\_\_  
 Unit heaters \_\_\_\_\_  
 Transformers \_\_\_\_\_

Air cooled   
 Water cooled   
 Air cooled   
 Water cooled   
 Groundwater   
 Ground source   
 Heating  Cooling   
 Liquid  Dry   
 Phase: \_\_\_\_\_  
 Voltage: \_\_\_\_\_

**Lighting W/ft<sup>2</sup>:**  
 Building: \_\_\_\_\_  
 Tenant areas: \_\_\_\_\_ (List all that apply)

**PLUMBING FIXTURES (R306)**

UNIT	WATER CLOSETS	LAVATORIES	SHOWERS	TUBS	KITCHEN SINKS	LAUNDRY TUBS	WASHING MACHINE

**ADDITIONAL COMMENTS:**