

# TOWN OF PLAINFIELD ZONING AND BUILDING PERMIT APPLICATION



**Property Owner:**

Name:  Phone:

Street:  Email:

City State Zip:

**Project:** **Permit Type:** (Check one)  Building  Zoning

Street Address:

Tax Map:  Lot Number:  Lot Acreage:  Zoning District:

Proposed project distances to property lines (in feet): Front:  Rear:  Side:  Side:

State Approved Septic Design #:  Driveway Permit #:

Please provide a written description of the project including appropriate dimensions:

**Contractor Information:**

<b>Builder:</b>	<b>Electrician:</b>	<b>Plumber:</b>
Name: <input type="text" value="ADW Builders"/>	Name: <input type="text"/>	Name: <input type="text"/>
Phone: <input type="text" value="6033818641"/>	Phone: <input type="text"/>	Phone: <input type="text"/>

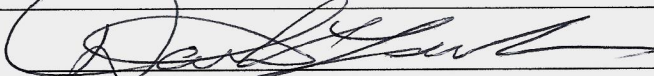
Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Required Attachments:**

Please provide a copy of plans detailing the project. Hand-drawn plans can be used if necessary. Permits cannot be issued without receipt of the proper fee. If you are unsure of the amount due or have any questions about your application, contact the town office (603-469-3201).

**TOWN USE:** Current Use: Yes / No ZBA: Yes / No PB: Yes / No

**BOARD OF SELECTMEN ACTION**

  
 Reviewed By Building Inspector or Zoning Administrator

Approved     Denied

Permit # 2020-16      Date: 4/30/2020

## Inspection guidelines as of 09-15-2019

All parties are responsible for following the requirements of the adopted building codes. This includes: applicants, owners, contractors, or any others performing work on the project.

Plainfield is governed by the set of codes adopted by the State of New Hampshire and the Town of Plainfield. The list of State adopted codes can be found on-line:

<https://www.nh.gov/safety/divisions/firesafety/legal/index.html>

Codes that may be relevant to your project include;

- International Building Code 2015
- International Residential Code 2015
- International Energy Conservation Code 2015
- National Electrical Code 2017
- State Fire Code Saf-C 6000 which incorporates by reference, and with modifications; 2015 NFPA 101 (Life Safety Code) and 2015 NFPA 1 (Fire Code).
- Town of Plainfield Zoning & Building ordinances

The inspections checked below are required for your project. Please provide at least 24 hours' notice for all inspections.

Concrete piers, floating slabs, and footings (rebar installed and supported, bent around corners and tied). Do not pour concrete before forms are inspected.

Basement or frost wall forms in place with rebar installed. Do not pour concrete before forms are inspected.

Any buried electrical service (includes generators and solar installations) an inspection of the trench with conduit installed. Do not bury the conduit until the ditch is inspected.

Inspection prior to backfilling for perimeter drain, foundation sealing, and insulation. Perimeter drains must go to daylight or equal.

Prior to pouring basement slab to inspect the slab edge insulation, any plumbing (radon, drain, or heating pipes) installed under the slab.

When framing is completed and prior to any interior plumbing or electrical work.

When rough in plumbing is completed and pressure tested and/or when rough in electrical is completed. Do not install insulation until both inspections have been completed.

Insulation inspection is required prior to installing wall or ceiling covering.

A final inspection is required for all permits, when all construction is complete.

Oil burning equipment: State permit completed by the Fire Chief.

Upon satisfactory final inspection either a Certificate of Occupancy or a Certificate of Completion will be issued.

A Certificate of Occupancy is required prior to occupying a residence.

Contact the Building inspectors ([inspector@plainfieldnh.org](mailto:inspector@plainfieldnh.org)) with any questions or to schedule an inspection:

David Lersch (603-381-1929)

Brad Atwater (603-675-2121)

**New Hampshire Residential Energy Code Application**  
for Certification of Compliance for New Construction, Additions and/or Renovations of  
Detached One- and Two-family dwellings and multi-family dwellings (townhouses) not over 3 stories  
**EC-1 Form**

Minimum Provisions from 2015 IRC Chapter 11

Effective Date: September 15, 2019

<b>Owner/Owner Builder:</b> Company Name: (if applicable)			<b>General Contractor:</b> Company Name:		
Name:			Name:		
Mail Address:			Mail Address:		
Town/City:	State:	Zip:	Town/City:	State:	Zip:
Phone:	Cell:		Phone:	Cell:	
E-Mail:			E-Mail:		
<b>Location of Proposed Structure:</b>			<b>Type of Construction:</b>		
Tax Map #:		Lot #:	<input type="radio"/> Residential <input type="radio"/> Small Commercial <input type="radio"/> New Building <input type="radio"/> Renovation <input type="radio"/> Addition <input type="radio"/> Thermally Isolated Sunroom <input type="radio"/> Modular Home: the site contractor must submit this form detailing supplementary rooms and Floor and/or Basement insulation unless the floor insulation is installed or provided by the manufacturer and no heated space is added.		
Street:			<b>Total New Conditioned* Floor Area:</b>  _____ ft <sup>2</sup>		
Town/City:	County:				
<b>Zone 5</b> <input type="radio"/> Cheshire, Hillsborough, Rockingham Strafford <b>Zone 6</b> <input type="radio"/> All other NH counties and town of Durham			<b>Basement or Crawl Space type:</b> (*a conditioned space is one being heated/cooled, containing uninsulated ducts or w/ a fixed opening into conditioned space. Walls must be insulated) <b>Conditioned?</b> <input type="radio"/> Yes (Walls must be insulated) <input type="radio"/> No <input type="checkbox"/> Full Basement <input type="checkbox"/> Walk Out Basement <input type="checkbox"/> Slab on Grade <input type="checkbox"/> Other _____		
<b>Structure is EXEMPT because:</b>					
<input type="checkbox"/> Mobile Home <input type="checkbox"/> On an historic register			<b>Form Submitted by:</b> <input type="checkbox"/> Owner <input type="checkbox"/> Builder <input type="checkbox"/> Other _____		

I hereby certify that all the information contained in this application is true and correct, and construction shall comply in all respects with the terms and specifications of the approval given by the local municipal code official or New Hampshire Public Utilities Commission.

**Signature** \_\_\_\_\_ **Print Name** \_\_\_\_\_ **Date** \_\_\_\_\_

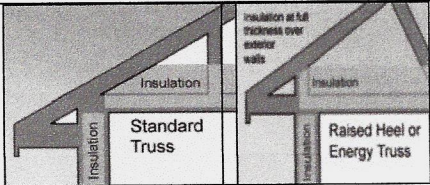
<b>Official Use Only</b>	
<b>Date Complete Application Received:</b>	<b>Approved by:</b> _____ <b>Date:</b> _____
<b>Approval Number:</b>	<b>Stamp:</b>

# New Hampshire Energy Code EC-1

Certification No.:

Directions: Complete the "Your Proposed Structure" columns. No measurements or calculations are needed. Copies of plans are NOT needed. If you at least meet the Energy Code requirements, your project will be approved. Write N/A in any section that does not apply to your project. If your planned structure does meet these requirements, consider downloading REScheck <http://www.energycodes.gov/rescheck> to explore energy modelling options. Please submit pages 1 and 2 only.

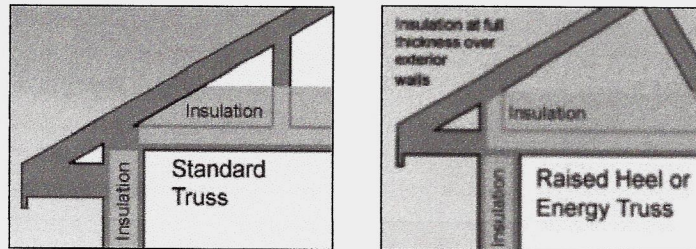
## YOUR PROPOSED STRUCTURE

Building Section	Required R or U Values	YOUR PROPOSED STRUCTURE	
		Write Planned R and U Values	Brands / Models / insulation type and thickness (if known)
<b>Window U Factor</b> (lower U is better)	<b>U .32</b> (maximum) U-.32 (if log walls in Zone 5) U-.30 (if log walls in Zone 6) <b>U .50</b> (Thermally Isolated Sunrooms only)	Write in U-Value	Check if <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
<b>Skylights</b>	<b>U .55</b> (or less)		
<b>Flat Ceiling<sup>i</sup></b> <i>or</i> <b>Flat Ceiling with Raised or Energy Trusses R-value</b>	 <p><b>R-49</b> (Zone 5 or 6) if using the above construction technique <b>R-49</b> if log walls</p> <p><b>R-38</b> (Zone 5 or 6) if maintaining the full R value over the plates <b>R-49</b> if log walls</p>	Write in R-Value  → If using only R-38 in Zone 5 or 6 you must check this box	NOTE: R-38 will satisfy the requirement for R-49 if the full R-38 insulation value is maintained over the outside plates. <b>If using only R-38 (Zone 5 or 6), you must certify that you will maintain R-38 over the plates by checking the box below.</b>  <input type="checkbox"/> <i>By checking this box, I certify that this structure is being built with a raised energy truss or that the full R-value of the ceiling insulation will be maintained over the outside plates.</i>
<b>Sloped or Cathedral Ceiling</b>	<b>R-30</b> (Zone 5 & 6) if less than 500 ft sq or 20% of total ceiling area or as above <b>R-24</b> (Thermally Isolated Sunrooms only)	Write in R-Value	Check if <input type="checkbox"/> Sunroom
<b>Above Grade Wall<sup>ii</sup> R-value</b>	<b>R-20</b> Cavity Insulation only <i>or</i> <b>R-13 plus R-5</b> Cavity <i>plus</i> Continuous Insulation <b>R-13</b> (Thermally Isolated Sunrooms only)	Write in R-Value	Log homes must comply with ICC400-2012, have an average minimum wall thickness of 5" or greater with specific gravity of ≤0.5 or 7" with specific gravity >0.5. Check if <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
<b>Door U-Value</b>	<b>U .32</b> (maximum)	Write in U-Value	One opaque door in the thermal envelope is exempt from the U-factor requirement.
<b>Floor R Value</b> (Basement ceiling)	<b>R-30</b> <i>or</i> Insulation sufficient to fill joist cavity	Write in R-Value	If conditioning the basement you must insulate <b>Basement Walls</b> . If not, you may insulate either <b>Floor</b> or <b>Basement Walls</b> and/or <b>Slab Edge</b>
<b>Basement or Crawl Space Wall R Value</b>	For <i>both</i> Zone 5 and Zone 6 <b>R-19</b> Cavity Insulation or <b>R-15</b> Continuous Insulation	Write in R-Value	
<b>Slab Edge<sup>iii</sup> R Value</b>	<b>R-10 2'</b> (Zone 5) <b>4'</b> (Zone 6) (see drawing pg 3) <i>add R-5</i> if the Slab is heated or <b>R-15</b> under entire heated slab if a log home.	Write in R-Value	Check if <input type="checkbox"/> Heated Slab
<b>Air Sealing</b>	A blower door test is <b>required</b> . The test must demonstrate an air exchange rate of <b>seven</b> Air Changes per Hour (ACH) or less @ 50 Pa.		If required by the code official, an approved third party may be required to conduct the blower door test.

Submit pages 1 and 2 to local municipal code official or NH Public Utilities Commission at [energycodes@puc.nh.gov](mailto:energycodes@puc.nh.gov)  
Phone: 603.271.2431. Fax: 603.271.3878.

## Footnotes to Residential Energy Code Application for Certification of Compliance

<sup>i</sup> Ceilings with attic spaces: R-38 in Zone 5 or 6 will be deemed to satisfy the requirement for R-49 wherever the full height of uncompressed R-38 insulation extends over the wall top plate at the eaves or the full R-value is maintained. This is often accomplished by using a raised heel or energy truss as shown in the diagram below or by using higher R-value insulation over the plates.

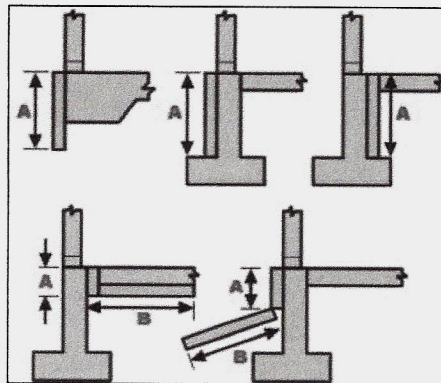


<sup>ii</sup> R-13 + R-5 means R-13 cavity insulation plus R-5 continuous insulated sheathing. If structural sheathing covers 25 percent or less of the exterior, R-5 sheathing is not required where the structural sheathing is placed. If structural sheathing covers more than 25 percent of exterior, the structural sheathing must be supplemented with insulated sheathing of at least R-2.

<sup>iii</sup> Slab edge insulation must start at the top of the slab edge and extend a total of two (Zone 5) or four feet (Zone 6). Insulation may go straight down, out at an angle away from the building, or along the slab edge and then under the slab. A slab is a concrete floor within 1' of grade level. See diagram below.

The top edge of insulation installed between the exterior wall and the interior slab may be mitered at a 45 degree angle away from the exterior wall.

### Allowable Slab Insulation Configurations



A or A+ B must equal two feet in Zone 5 or four feet in Zone 6

MODULAR HOMES must be certified by the NH Department of Safety. Unless the floor insulation is provided by the manufacturer this form may be submitted. This form may also be submitted if the basement is to be insulated or supplementary heated space is added to the home upon or after it is set.