

**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: Jody Perkins			Lavalley Building Supply		
Mail Address: 75 Bean Road			Mail Address: 5 Airport Roar Unit 2		
Town/City: Plainfield	State: NH	Zip: 03781	Town/City: West Lebanon	State: NH	Zip: 03784
Phone: 603-469-3071	Cell: 802-291-2725		Phone: 603-298-5641 x 4352	Cell:	
E-Mail: jodyperkins@tds.net			E-Mail: rclavelle@lavalleys.com		
<b>Location of Proposed Structure:</b>			<b>Type of Construction:</b> <i>DETACHED GARAGE</i>		
Tax Map #: 000104		Lot #: 000012	<input checked="" type="checkbox"/> Residential <input type="checkbox"/> Small Commercial <input checked="" type="checkbox"/> New Building <input type="checkbox"/> Renovation <input type="checkbox"/> Addition <input type="checkbox"/> Thermally Isolated Sunroom <input type="checkbox"/> 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: 75 Bean Road			<b>Total New Conditioned* Floor Area:</b> 1,040 ft <sup>2</sup>		
Town/City: Plainfield	County: Sullivan				
<b>Zone 5</b> <input type="checkbox"/> Cheshire, Hillsborough, Rockingham Strafford <b>Zone 6</b> <input checked="" type="checkbox"/> 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) Conditioned? <input type="checkbox"/> Yes (Walls must be insulated) <input type="checkbox"/> No <input type="checkbox"/> Full Basement <input type="checkbox"/> Walk Out Basement <input checked="" 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 checked="" 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** Jody Perkins **Date** 6/1/2022

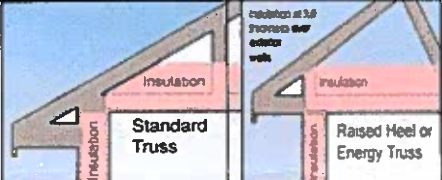
<b>Official Use Only</b>		
Date Complete Application Received:	Approved by:	Date:
Approval Number:	Stamp:	

# 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

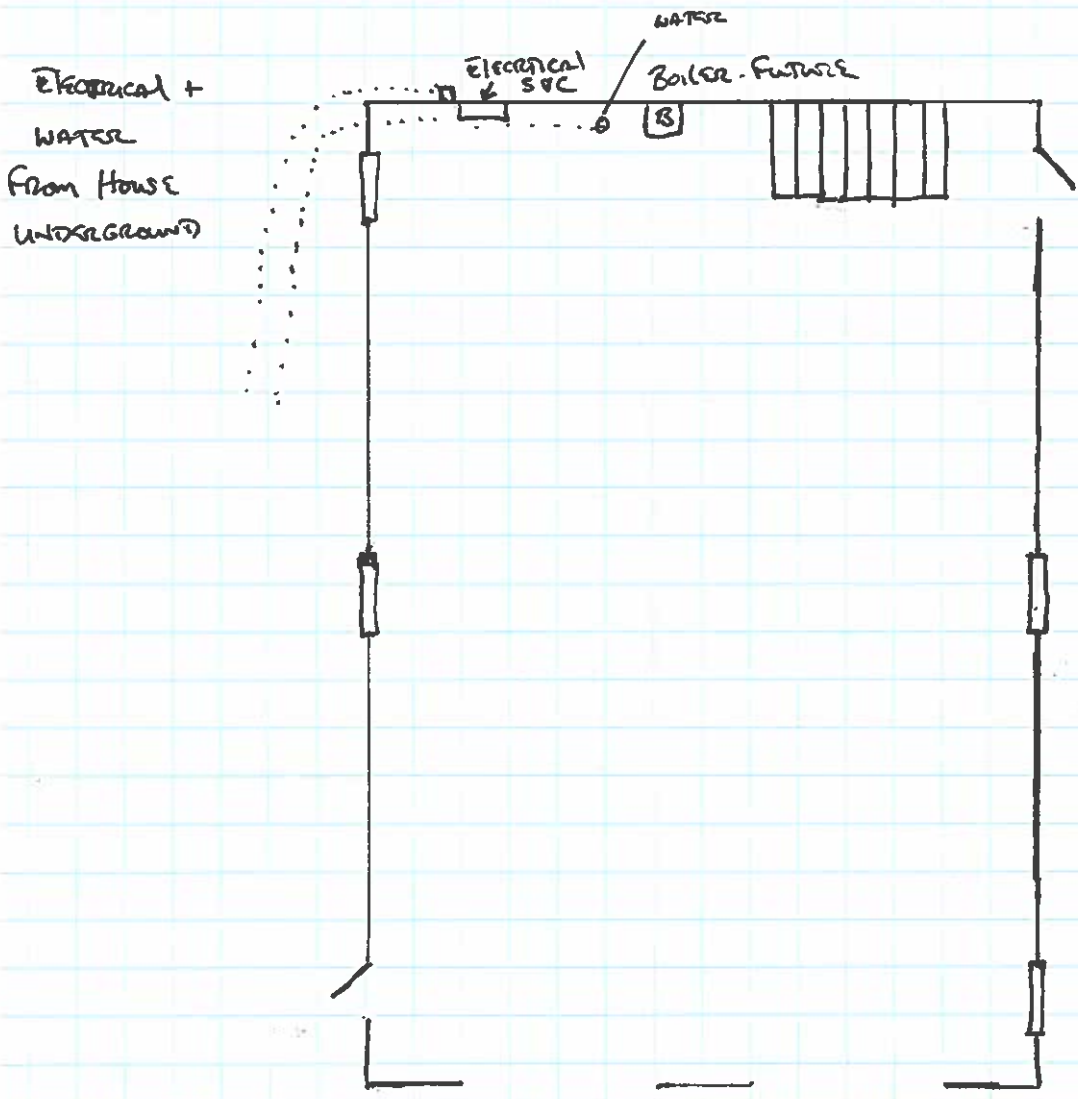
Building Section	Required R or U Values	Write Planned R and U Values	Brands / Models / insulation type and thickness (if known)
<b>Window U Factor</b> (lower U is better)	U .32 (maximum) U-.32 (if log walls in Zone 5) U-.30 (if log walls in Zone 6) U .50 (Thermally Isolated Sunrooms only)	Write in U-Value  .30	Check if <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
<b>Skylights</b>	U .55 (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  R-49  → 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. 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.  <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  N/A	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  R-20	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>	U .32 (maximum)	Write in U-Value  .30	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  N/A	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 both Zone 5 and Zone 6 <b>R-19</b> Cavity Insulation <i>or</i> <b>R-15</b> Continuous Insulation	Write in R-Value  N/A	
<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 <i>or R-15</i> under entire heated slab if a log home.	Write in R-Value  R-15	Check if <input checked="" 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 <i>seven</i> 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.

1/8" per 1"

Jody Perkins  
75 BEAN ROAD  
PLAINFIELD NH

# 26'x40' DETACHED GARAGE





Homes-Garages-Kitchens-Flooring-Trusses-Wall Panels-Plumbing-  
Electrical-Gardening-Lumber-All of your building needs since 1962!

Jody Perkins  
Plainfield, NH  
802-291-2727  
jperkins@arcmech.com

26 x 40 Studebaker Garage

May 18, 2022  
Quote good for 15 days

To include the following:

- 2x6x9' walls w/ LP Smart Lap siding
- 9/12 attic truss w/ 3/4 osb subfloor and 1 row 7/16 osb sidewalls
- 5/8 osb roof sheathing w/ epily
- 12" gable overhangs
- Iko Cambridge roof shingles (stock color)
- Vented roof
- Primed pine trim
- 4 - Masterview 3040 white vinyl double hung windows
- 2 - Thermatru Smoothstar 3/0 x 6/8 service entrance
- 2 - Wayne Dalton 9700 9x8 garage door w/ 1 row glass. (stock Color)
- 2 - Liftmaster garage door openers, installed
- Service stairs
- Barn door on upper gable end
- Crane service to erect building
- Labor to erect complete building
- Concrete slab with 8" x 12" raised perimeter in slab

**LaValley Building Supply**

Newport, NH 03773  
351 Simepee Street PO Box 267  
603-863-1050  
Fax: 603-863-3964

Claremont, NH 03743  
Pleasant & Mulberry St.  
PO Box 396  
603-543-0123  
Fax: 603-543-1592

W. Lebanon, NH 03784  
Colonial Plaza 5 Airport Road  
Unit 2  
603-298-5641  
Fax: 603-298-5809

Waipole, NH 03608  
40 Meadow Access Lane  
603-445-5953  
Fax: 603-445-2135

Rutland, VT 05701  
48 Windcrest Road  
802-775-0834  
Fax: 802-775-8535

Ludlow, VT 05149  
Industrial Park Pleasant St.  
802-228-4665  
Fax: 802-228-5624

**Middleton Building Supply**

Middleton, NH 03887  
5 Kings Highway  
603-473-2314  
Fax: 603-473-8531

Meredith, NH 03253  
44 Railroad Ave.  
603-279-7911  
Fax: 603-279-7125

Dover, NH 03820  
58 Old Rochester Road  
603-742-8200  
Fax: 603-742-5528

Hampton, NH 03842  
864 Lafayette Road  
603-926-7626  
Fax: 603-926-6074

**Preferred Bld'g Systems**

Claremont, NH 03743  
PO Box 1143 Twisback Road  
603-372-1050  
Fax: 603-372-1001

DIPRIZIO PINE SALES  
Middleton, NH 03887  
5 Kings Highway  
603-473-2314  
Fax: 603-473-8531

**New England Homes**

Dover, NH 03820  
277 Locust Street, Suite B  
603-436-8830  
Fax: 603-431-8540

