



# *Town of Lyndeborough*

## **Office of the Building Inspector**

Post Office Box 6, Citizens Hall Road  
Lyndeborough, New Hampshire 03082

Tel.: (603) 654-5955

Fax: (603) 654-5777

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### **Minimum Requirements for Residential Plans (2 Sets)**

- \_\_\_\_\_ 1. Floor plan drawn to scale.
- \_\_\_\_\_ 2. Foundation plan drawn to scale.
- \_\_\_\_\_ 3. A “complete” cross section cutting through the entire width of building drawn to scale.
- \_\_\_\_\_ 4. Floor framing plans if the cross section is not typical.
- \_\_\_\_\_ 5. Header sizes for all openings located in bearing walls (interior and exterior).
- \_\_\_\_\_ 6. Denote all building materials, sizes, and types.
- \_\_\_\_\_ 7. Provide a roof-framing plan drawn to scale if the cross section is not typical.
- \_\_\_\_\_ 8. Drawings of at least two elevations.
- \_\_\_\_\_ 9. Show the scale used on all drawings.
- \_\_\_\_\_ 10. Show stair details such as riser and tread sizes, railing design, baluster spacing, and head clearance.
- \_\_\_\_\_ 11. Window type, location, and sizes shall be noted.
- \_\_\_\_\_ 12. Energy conservation details shall be indicated.



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### **Town of Lyndeborough Requirements Checklist for New Houses**

Name: \_\_\_\_\_ Building Permit Number # \_\_\_\_\_

Map Number # \_\_\_\_\_ Lot Number # \_\_\_\_\_

- \_\_\_\_\_ 1.) Fully complete building permit application form.
- \_\_\_\_\_ 2.) Verify the map & lot number from the Town's property assessment listing.
- \_\_\_\_\_ 3.) Is this lot in Current Use? Yes / No
- \_\_\_\_\_ 4.) Proof of property ownership. A copy of the transfer deed is required.
- \_\_\_\_\_ 5.) Is this parcel an approved lot of record? Yes / No
- \_\_\_\_\_ 6.) A copy of all minutes regarding special exceptions granted by the ZBA or Planning Board is required.
- \_\_\_\_\_ 7.) A copy of the Emergency Services - Liability Waiver must be provided for all homes being built on Class VI roads (to be obtained through the Selectmen's office).
- \_\_\_\_\_ 8.) Complete set of scaled house plans.
- \_\_\_\_\_ 9.) State septic approval for building lot. Septic approval of subdivision not sufficient.
- \_\_\_\_\_ 10.) Plans: Foundation, Floor, Cross section, Elevations.
- \_\_\_\_\_ 11.) Description of all building materials: sizes and types, including header size for all openings in interior and exterior bearing walls, window sizes and net openings in all bedrooms.
- \_\_\_\_\_ 12.) State of NH Energy Code Permit required. Call Public Utilities Commission for application 271-2431.
- \_\_\_\_\_ 13.) Site plan hand drawn on graph paper with distances from dwelling to road and property boundary lines.
- \_\_\_\_\_ 14.) Copy of driveway permit, completed by owner, submitted and approved by road agent.
- \_\_\_\_\_ 15.) All of above items completed. Pay fee to the Town of Lyndeborough.

NOTE: If trusses are used, stamped shop drawings must be submitted to Building Inspector before delivery of trusses. (Rev.6-02)



# Application for Permit to Build

Map No. \_\_\_\_\_ Lot No. \_\_\_\_\_ Growth Permit No. \_\_\_\_\_ Permit No. \_\_\_\_\_

**Lyndeborough, NH**

Date \_\_\_\_\_

Owner of Record \_\_\_\_\_ Phone# \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Type of Construction:    New Home \_\_\_\_\_ (Growth/Build Appl. Req'd)  
                                  \*\* Addition \_\_\_\_\_ (Regular Build Appl. Req'd)  
                                  \*\* Alteration \_\_\_\_\_ (Regular Build Appl. Req'd)  
                                  \*\* Other \_\_\_\_\_ (Regular Build Appl. Req'd)

\*\* Please note separate elec. & plumbing permits required for all above except new home.

Location of Building (Street) \_\_\_\_\_

Purpose of Building \_\_\_\_\_

Kind of Building \_\_\_\_\_

Size of Building \_\_\_\_\_ Street Frontage Ft. \_\_\_\_\_ Size of Lot \_\_\_\_\_ Acres

Height of Building \_\_\_\_\_ No. Bedrooms \_\_\_\_\_ Septic Tank \_\_\_\_\_ NHWS & PCC App. No. \_\_\_\_\_

Distance from Street Line \_\_\_\_\_ Distance from Nearest Boundary Line \_\_\_\_\_

Type Heating System \_\_\_\_\_ Type of Foundation \_\_\_\_\_

Septic Installer \_\_\_\_\_ Lic. No. \_\_\_\_\_ Contractor \_\_\_\_\_

Contractor \_\_\_\_\_ Address \_\_\_\_\_ Phone# \_\_\_\_\_

Description of Proposed Work \_\_\_\_\_

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Estimated Construction Cost \_\_\_\_\_ Fee \_\_\_\_\_

**Is this property in a special flood hazard area?** \_\_\_\_\_

SEPTIC TANK – Design and specifications must be approved by N.H. Water Supply and Pollution Commission before permit is issued. The Town of Lyndeborough is released from liability for contamination of any well dug or drilled within 100ft. of a highway by use of materials on the highway.

The undersigned agrees that the proposed work shall be done in accordance with the foregoing statement and with the plans and specifications submitted and that the work connected therewith shall conform to the Building Codes and Regulations of the Town of Lyndeborough and all applicable Federal and State requirements.

A GROWTH/BUILDING PERMIT FOR NEW HOME CONSTRUCTION WILL BE RESERVED TO THE ABOVE OWNER OF RECORD FOR 60 DAYS FROM THE ABOVE DATE IN ORDER TO COMPLETE THE CHECKLIST.

Permit Good for year of  
Issue Only.

Owner's Signature \_\_\_\_\_  
Date \_\_\_\_\_

## PERMIT

THIS CERTIFIES THAT \_\_\_\_\_ Owner,

may \_\_\_\_\_

in accordance with the foregoing application and approved plans.

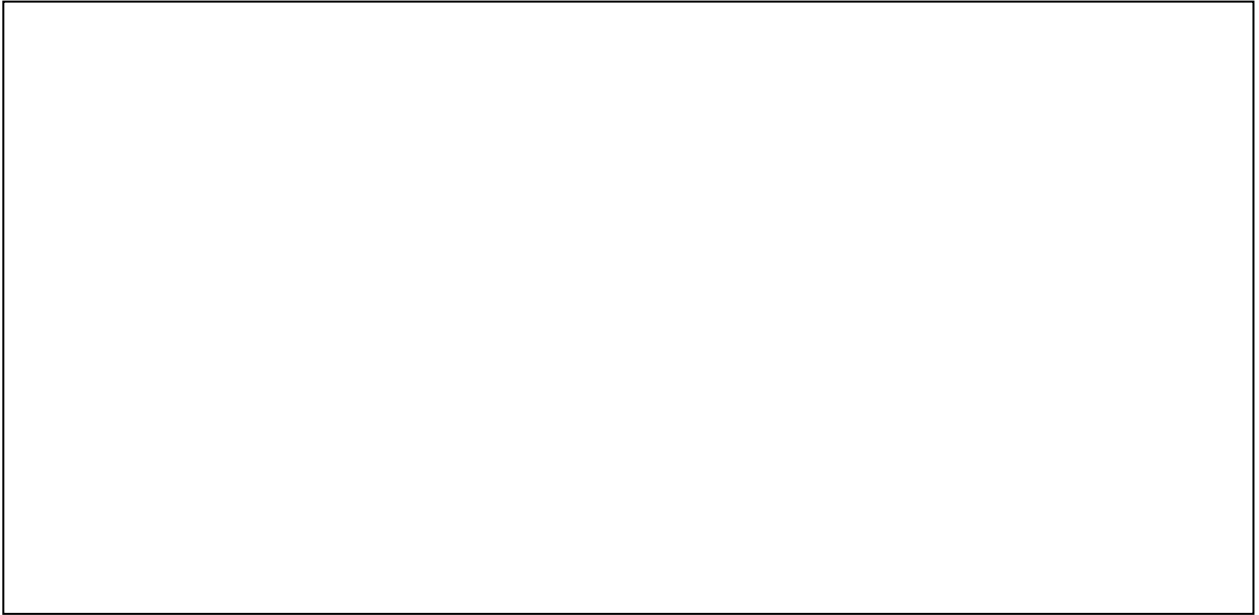
Driveway Approval Rec'd \_\_\_\_\_ Culvert Needed \_\_\_\_\_ Installed \_\_\_\_\_

\_\_\_\_\_ Building Inspector.

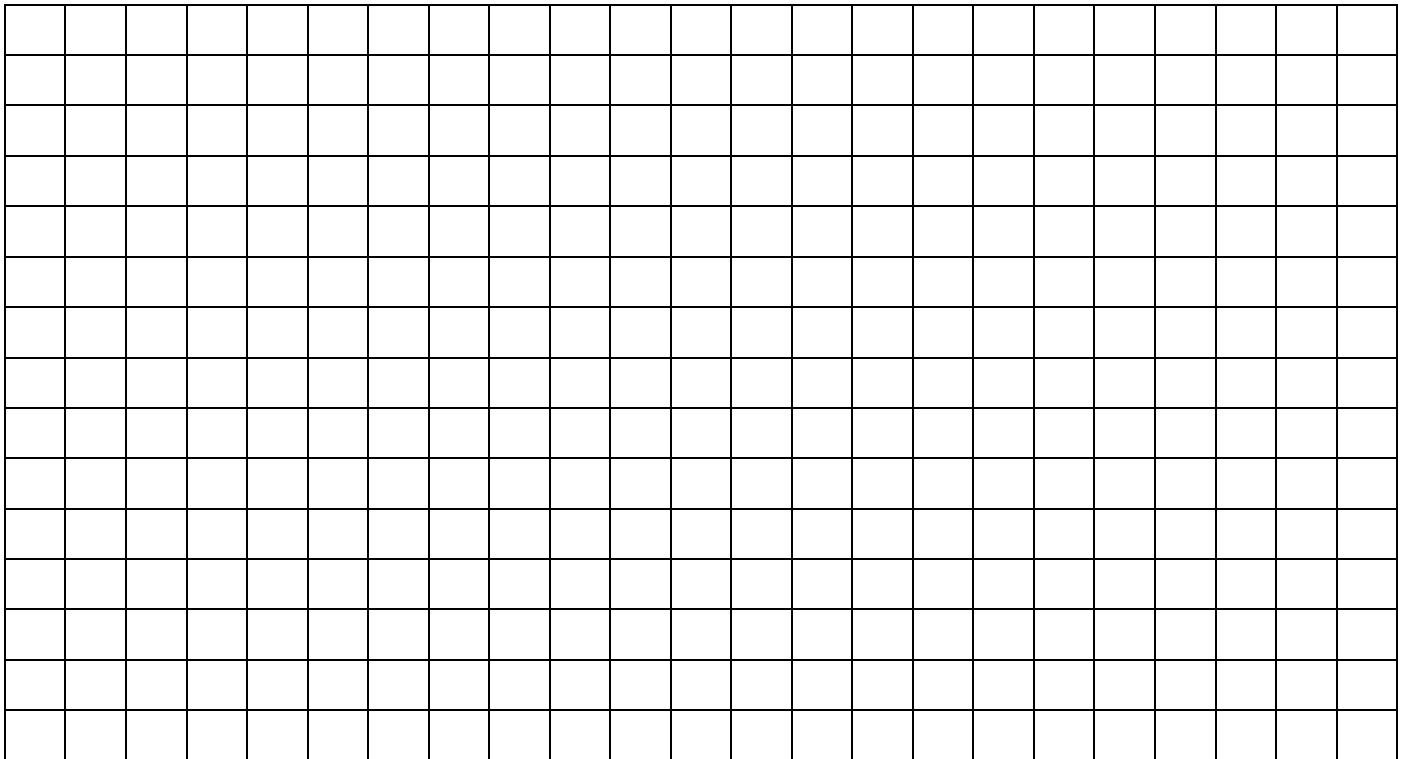
\_\_\_\_\_ Date \_\_\_\_\_

## Plot Plan

Show location of all buildings on lot with measurements from lot lines and lot size. Denote well, easements and wetlands locations. Certified Plot Plan may be required. (May use larger or additional paper.)



## Drawing of Structure (you may attach a plan in lieu of this page)



**Scale:** One Square equals \_\_\_\_ feet.

# PERMANENT



## Town of Lyndeborough

### Application for Permanent Driveway Access to Class V and Class VI Roads

Date of Application \_\_\_\_\_

Pursuant to the provisions of RSA Chapter 236:13, permission is requested to \_\_\_construct \_\_\_alter  
a driveway entrance to property located on \_\_\_\_\_ Road.

Tax Map \_\_\_\_ Block \_\_\_\_ Lot \_\_\_\_

Purpose of access: Permanent \_\_\_\_

Location: Nearest intersection and distance \_\_\_\_\_

Nearest utility pole and distance \_\_\_\_\_

Other identifying landmark \_\_\_\_\_

Is this a scenic road according RSA 231:158, IV \_\_\_\_ Yes \_\_\_\_ No

Scenic Road Hearing Required \_\_\_\_ Yes \_\_\_\_ No Minutes Attached \_\_\_\_ Yes \_\_\_\_ No

#### **As landowner/applicant, I agree to the following:**

1. To construct the driveway entrance only for vehicular access to the property.
3. To construct the driveway entrance only at the location specified in this permit.
4. To construct and maintain the driveway entrance in accordance with all currently applicable statutes, rules, drawings, and specifications issued by the Lyndeborough Planning Board as detailed in Appendix A attached.
5. To defend, indemnify, and hold harmless the Town of Lyndeborough and its agents and employees against any action, injury and/or property damage sustained by reason of exercise of this permit.
6. To furnish and install drainage structures necessary to maintain existing highway drainage and adequately handle runoff resulting from land development, and to obtain all easements relating thereto.
7. I state that I am the owner or authorized agent of the parcel upon which the driveway will be constructed.
8. Grade stakes will be placed to indicate the permanent driveway entrance at the intersecting roadway.

#### **Attached is:**

1. A copy of the current deed, if this is a new driveway.
2. A sketch or plan showing existing and proposed driveways, and the adjacent highway, indicating distances to the town road, town line, nearest utility pole (Including number), and any other landmark or feature.

Landowner: (print name) \_\_\_\_\_ (signature) \_\_\_\_\_

(address) \_\_\_\_\_ (phone) \_\_\_\_\_

Regulations:

Driveway is at least 150 feet from any roadway intersection \_\_\_\_\_ Yes \_\_\_\_\_ No

Driveway is at least 20 feet from abutter's driveway \_\_\_\_\_ Yes \_\_\_\_\_ No

Driveway can accommodate a heavy duty and commercial trucks \_\_\_\_\_ Yes \_\_\_\_\_ No

Sight distance is at least 10 feet times the rate of the speed limit of the road to which the driveway enters measured at a height of 3 feet \_\_\_\_\_ Yes \_\_\_\_\_ No

Is this a shared driveway \_\_\_\_\_ Yes \_\_\_\_\_ No

**This Section to Be Filled Out By Town Staff**

Date of Submission: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

- ☐ Culvert Required: Material (       ) diameter (       ) Length (       )  
☐ Bond Required (\$       ) ☐ Easements  
☐ Application Fee (\$       ) ☐ Drainage or other Study (if necessary) Fee (\$       )  
☐ Fees Paid Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ Total - \$ \_\_\_\_\_

**Approvals:**

☐ Granted ☐ Granted with Conditions ☐ Denied: Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**Administrator's (Road Agent) Signature:** \_\_\_\_\_

**Conditions:** 1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

**New Hampshire**  
**Residential Energy Code Application**  
for Certification of Compliance for New Construction, Additions and/or Renovations  
**(EC-1 Form)**

Minimum Provisions

Effective Date: April 1, 2010

<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"/> <b>Residential</b> <input type="radio"/> <b>Small Commercial</b> <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> <div style="border: 1px solid black; width: 150px; height: 20px; margin: 5px auto;"></div> ft <sup>2</sup>		
Town/City:	County:				
<b>Zone 5</b> <input type="radio"/> Cheshire, Hillsborough, Rockingham or Strafford <b>except the town of Durham that uses 2012 IECC</b> <b>Zone 6</b> <input type="radio"/> All other counties <b>and the town of Durham</b>			<b>Basement or Crawl Space:</b> (*a conditioned space is one being heated or cooled, containing un-insulated ducts or with a fixed opening into a 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>Heating System:</b> (if new system is being installed) <b>Annual Fuel Use Efficiency (AFUE):</b> _____ % <b>Fuel Type(s):</b> <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane (LP) <input type="checkbox"/> Electric <input type="checkbox"/> Wood <input type="checkbox"/> Other _____ <b>Heating System Type:</b> <input type="checkbox"/> Hot Water <input type="checkbox"/> Hot Air <input type="checkbox"/> Stove <input type="checkbox"/> Resistance <input type="checkbox"/> Heat Pump <input type="checkbox"/> Geothermal			<b>Form Submitted by:</b> <input type="checkbox"/> Owner <input type="checkbox"/> Builder <input type="checkbox"/> Designer <input type="checkbox"/> Other _____ Architects must certify plans meet code; no form required		
<b>Structure is EXEMPT because:</b> <input type="checkbox"/> Mobile Home <input type="checkbox"/> On an historic register <input type="checkbox"/> Low energy use (less than 1 watt/ ft <sup>2</sup> )					

(revised 10/30/13)

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 Public Utilities Commission and with the New Hampshire Code for Energy Conservation in New Building Construction.

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

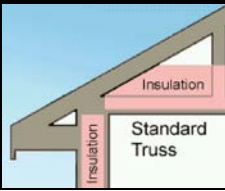
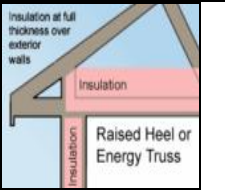
<b>Official Use Only</b>	
<b>Date Complete Application Received:</b>	<b>Approved by:</b> _____ <b>Date:</b> _____
<b>Approval Number:</b>	<b>Stamp:</b>
	Reason: <input type="checkbox"/> 1, <input type="checkbox"/> 2, <input type="checkbox"/> 3, <input type="checkbox"/> Other: _____ Notice: <input type="checkbox"/> e-mail <input type="checkbox"/> vm Date: _____

# New Hampshire Energy Code EC-1

Certification No.:

Directions: Complete the "Your Proposed Structure" columns. No measurements or calculations are needed. If you at least meet the New Hampshire 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 cannot meet these requirements, consider downloading REScheck from <http://www.energycodes.gov/rescheck/download.stm> and use trade-offs to prove compliance. **Submit pages 1 and 2 only.**

You are encouraged to build with higher R-values and lower U-values than you report here. The "Required R or U Values" are the worst permitted in NH.

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 .35</b> (maximum) <b>U-.32</b> (if log walls in Zone 5) <b>U-.30</b> (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 .60</b>		
<b>Flat Ceiling<sup>i</sup></b>  <i>or</i> <b>Flat Ceiling with Raised or Energy Trusses R-value</b>	 <b>R-38</b> (Zone 5) <b>R-49</b> (Zone 6) if using the above construction technique <b>R-49</b> if log walls	 <b>R-30</b> (Zone 5) <b>R-38</b> (Zone 6) if maintaining the full R value over the plates <b>R-49</b> if log walls	Write in R-Value  → If using only R-30 in Zone 5 or R-38 in Zone 6 you must check this box  <input type="checkbox"/> <b>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.</b>
<b>Sloped or Cathedral Ceiling</b>	<b>R-30</b> (Zone 5 & 6) or <b>38</b> if more than 500 ft sq or 20% of total ceiling area (Zone 6) <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 .35</b> (maximum)	Write in U-Value	
<b>Floor R Value</b> (Basement ceiling)	<b>R-30</b> <i>or</i> Insulation sufficient to fill joist cavity	Write in R-Value	
<b>Basement or Crawl Space Wall R Value</b>	<b>R-13</b> Cavity Insulation <i>or</i> <b>R-10</b> Continuous Insulation (Zone 5) <b>R-19</b> Cavity Insulation <i>or</i> <b>R-15</b> Continuous Insulation (Zone 6)	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>Slab Edge<sup>iii</sup> R Value</b>	<b>R-10 2'</b> (Zone 5) <b>4'</b> (Zone 6) (see drawing pg 3) <b>add R-5</b> 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>	<b>Planned Air Sealing Test Method</b> There are two approaches to demonstrating compliance with air sealing requirements.	<input type="checkbox"/> Blower Door <input type="checkbox"/> Visual Inspect	The visual inspection certification must be consistent with the requirements of Table 402.4.2 (page 4) and the method of compliance planned and approved by the local jurisdiction

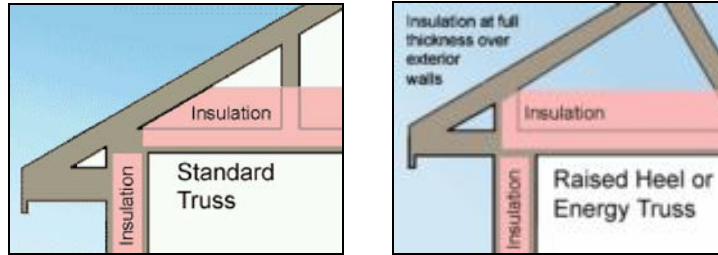
Submit pages 1 and 2 to: NH Public Utilities Commission, 21 South Fruit Street STE 10, Concord NH 03301

Fax: 603.271.3878 E-mail: [energycodes@puc.nh.gov](mailto:energycodes@puc.nh.gov)



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

<sup>i</sup> Ceilings with attic spaces: R-30 in Zone 5 or R-38 in Zone 6 will be deemed to satisfy the requirement for R-38 or R-49 respectively wherever the full height of uncompressed R-30 or R-38 insulation extends over the wall top plate at the eaves or the full R-value is maintained. This is 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.

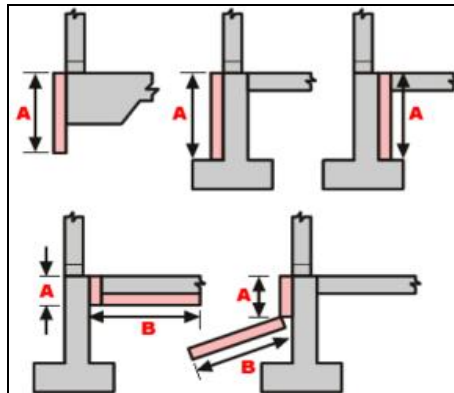


<sup>ii</sup> R-13 + R-5 means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25 percent or less of the exterior, R-5 sheathing is not required where the structural sheathing is placed. If structural sheathing covers more than 25 percent of exterior, the structural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

**AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA**  
 Required Elements Check List (see page 2 AIR SEALING) IECC Code section 402.4.2

**This page must be provided to the building inspector at final inspection.**



Check here

Certification No.:

	<b>Air barrier and thermal barrier</b>	Exterior thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope air barrier.
		Breaks or joints in the air barrier are filled or repaired.
		Air-permeable insulation is not used as a sealing material.
		Air-permeable insulation is inside of an air barrier.
	<b>Ceiling/attic</b>	Air barrier in any dropped ceiling/soffit is substantially aligned with insulation and any gaps are sealed.
		Attic access (except unvented attic), knee wall door, or drop down stair is sealed.
	<b>Walls</b>	Corners and headers are insulated.
		Junction of foundation and sill plate is sealed.
	<b>Windows and doors</b>	Space between window/door jambs and framing is sealed.
	<b>Rim joists</b>	Rim joists are insulated and include an air barrier.
	<b>Floors</b> (including above-garage and cantilevered floors)	Insulation is installed to maintain permanent contact with underside of sub floor decking.
		Air barrier is installed at any exposed edge of insulation.
	<b>Crawl space walls</b>	Insulation is permanently attached to walls.
		Exposed earth in unvented crawl spaces is covered with Class I vapor retarder with overlapping joints taped.
	<b>Shafts, penetrations</b>	Duct shafts, utility penetrations, knee walls and flue shafts opening to exterior or unconditioned space are sealed.
	<b>Narrow cavities</b>	Batts in narrow cavities are cut to fit, or narrow cavities are filled by sprayed/blown.
	<b>Garage separation</b>	Air sealing is provided between the garage and conditioned spaces.
	<b>Recessed lighting</b>	Recessed light fixtures are air tight, IC rated, and sealed to drywall. Exception—fixtures in conditioned space.
	<b>Plumbing and wiring</b>	Insulation is placed between outside and pipes. Batt insulation is cut to fit around wiring and plumbing, or sprayed/blown insulation extends behind piping and wiring.
	<b>Shower/tub on exterior wall</b>	Showers and tubs on exterior walls have insulation and an air barrier separating them from the exterior wall.
	<b>Electrical/phone box on exterior walls</b>	Air barrier extends behind boxes or air sealed-type boxes are installed.
	<b>Common wall</b>	Air barrier is installed in common wall between dwelling units. HVAC register boots HVAC register boots that penetrate building envelope are sealed to sub-floor or drywall.
	<b>Fireplace</b>	Fireplace walls include an air barrier.

## NEW HAMPSHIRE ENERGY CODE

Summary of Basic Requirements See IECC 2009 Code Book for complete details

**These 2 pages must be provided to the building inspector at final inspection or retained.**

✓ Check here

Certification No.:

	<b>Air Leakage</b> Code section 402.4  The building thermal envelope must be durably sealed to limit infiltration	All joints, seams, penetrations and openings in the thermal envelope including those around window and door assemblies, utility penetrations, dropped ceilings or chases, knee walls, behind tubs and showers, separating unheated garages from the thermal envelope, common walls between dwelling units, attic access, rim joist junction and all other openings in the building envelope that are sources of air leakage must be caulked, gasketed, weather-stripped or otherwise sealed.
	<b>Air Sealing and Insulation</b> Code Section 402.4.2	Building envelope air tightness and insulation installation shall be demonstrated to comply with requirements by Blower Door testing to less than 7 air changes/hr at 50 Pa or a visual inspection per page 4 of this document. The local Building Official may require an independent 3 <sup>rd</sup> party to conduct the visual inspection. <u>See page 4.</u>
	<b>Testing Option</b> Code Section 402.4.2.1  <b>or</b>  <b>Visual Option</b> Code Section 402.4.2.1	While the Blower Door Test and/or Visual Option are methods of demonstrating compliance many of the general requirements as defined by this checklist (pages 5 & 6) must still be met.  Blower Door Test conducted by: _____  Result (at 50 Pa): _____ CFM Interior Volume _____ CF _____ ACH <p style="text-align: center;"><b>or</b></p> Structure passes Visual Inspection: _____ signed _____ date _____
	<b>Fireplaces</b> Code Section 402.4.3	New wood-burning fireplaces shall have gasketed doors and outdoor combustion air.
	<b>Recessed Lighting</b> Code Section 402.4.5	Recessed lights must be type IC rated and labeled as meeting ASTM E 283 and sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.
	<b>Electrical Power and Lighting Systems</b> Code section 404	A minimum of 50% of the lamps in permanently installed lighting fixtures shall be high efficacy lamps.
	<b>High-Efficacy Lamps</b> Code section 202	Compact fluorescent lamps, T-8 or smaller diameter linear fluorescent lamps, or lamps with a minimum efficacy of: 1. 60 lumens per watt for lamps over 40 watts, 2. 50 lumens per watt for lamps over 15 watts to 40 watts, and 3. 40 lumens per watt for lamps 15 watts or less.
	<b>Materials and Insulation Information</b> Code section 102.1	Materials and equipment must be identified so that code compliance can be determined. Manufacturer manuals for all installed heating, cooling and service water heating equipment must be provided. Insulation R-values, glazing and door U-values and heating and cooling equipment efficiency must be clearly marked on the building plans, drawings or specifications.
	<b>Pull-Down Attic Stairs, Attic Hatch, and Knee Wall Doors</b> Code section 402.2.3	Should be insulated to a level equal to the surrounding surfaces and tightly sealed and weather-stripped at the opening.

	<b>Full size Attic or Basement Entry Doors</b>	All doors leading from a conditioned space into an unconditioned attic or enclosed attic or basement stairwell should be insulated and weather-stripped exterior rated door units. One door is exempt.
	<b>Duct Insulation</b> Code section 403.2	<b>Supply</b> ducts in attics must be insulated to at least R-8. All other ducts must be insulated to at least R-6. Exception: Ducts or portions thereof located completely inside the building thermal envelope.
	<b>Duct Construction</b> Code sections 403.2.2 &.3	Ducts, air handlers, filter boxes, and building cavities used as ducts must be sealed. Joints and seams must comply with Section M1601.4.1 of the <i>International Residential Code</i> . Building framing cavities must not be used as supply ducts.
	<b>Duct Testing</b> Code sections 403.2.2 &.3	Duct tightness shall be verified by testing unless the air handler and all ducts are located within the conditioned space. Test conducted by: _____  Duct test result at 25 Pa: _____ Post construction or _____ Rough-in test
	<b>Temperature Controls</b> Code section 403.1 & .1.1	At least one thermostat must be provided for each separate heating and cooling system. Hot air systems must be equipped with a programmable thermostat.  Heat pumps having supplementary electric-resistance heat must have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load
	<b>Mechanical System Piping Insulation</b> Code section 403.3	Mechanical system piping capable of conveying fluids at temperatures above 105°F or below 55°F must be insulated to R-3.
	<b>Circulating Hot Water Systems</b> Code section 403.4 & NH amendments	Circulating service water systems must include an automatic or readily accessible manual switch that can turn off the hot water circulating pump when the system is not in use.  Circulating domestic hot water system piping shall be insulated to R-4.
	<b>Mechanical Ventilation</b> Code section 403.5	Outdoor air intakes and exhausts must have automatic or gravity dampers that close when the ventilation system is not operating.
	<b>Equipment Sizing</b> Code section 403.6	Heating and cooling equipment must be sized in accordance with Section M1401.3 of the <i>International Residential Code</i> .
	<b>Certificate</b> Code section 401.3	A permanent certificate, completed by the builder or registered design professional, must be posted on or in the electrical distribution panel. It must list the R-values of insulation installed in or on the ceiling, walls, foundation, and ducts outside the conditioned spaces; U-factors and SHGC for fenestration. The certificate must also list the type and efficiency of heating, cooling and service water heating equipment.

**NEW HAMPSHIRE ENERGY CODE Summary of Basic Requirements Page 2**

**These 2 pages must be provided to the building inspector at final inspection or retained.**



# Office of the Building Inspector-Electric Permit Application

9 Citizens' Hall Road  
Lyndeborough, New Hampshire 03082

Telephone: (603) 654-5955

Fax: (603) 654-5777

Map# \_\_\_\_\_ Lot# \_\_\_\_\_

Job Location \_\_\_\_\_ Electric Permit # \_\_\_\_\_

Residential

Building Permit # \_\_\_\_\_

Commercial (Additional Application Required)

Industrial (Additional Application Required)

New Addition Rewiring Service Other \_\_\_\_\_  
Service: Amps Volts Current Transformer  
Main Disconnects Submain Panels

\_\_\_\_\_ 15A Receptacles

\_\_\_\_\_ 15 A Branch Circuits

\_\_\_\_\_ 20A Small Appliance Recpt.

\_\_\_\_\_ 20 A Appliance Branch Cir.

\_\_\_\_\_ 15A Lighting Outlets

\_\_\_\_\_ 220V Appliance Branch Cir.

\_\_\_\_\_ Other

Central AC

Electric Heat/Total KW

Branch Circuits

Jacuzzi/Hot Tub

Description of Work: (not required for new residence)

\_\_\_\_\_  
Master Electrician (signed)

\_\_\_\_\_  
Date

NH Lic.# \_\_\_\_\_

Name (print) \_\_\_\_\_

DBA \_\_\_\_\_

Address (Zip) \_\_\_\_\_

Telephone ( ) \_\_\_\_\_

**Owner** \_\_\_\_\_

Address \_\_\_\_\_

Telephone ( ) \_\_\_\_\_

Approved: (date) \_\_\_\_\_

Rejected: (date) \_\_\_\_\_

\_\_\_\_\_  
Leo Trudeau  
Building Inspector

Permit Log \_\_\_\_\_ License \_\_\_\_\_ Vision \_\_\_\_\_ Building Inspector \_\_\_\_\_ Binder \_\_\_\_\_



# Office of the Building Inspector-Plumbing Permit Application

9 Citizens' Hall Road  
Lyndeborough, New Hampshire 03082

Telephone: (603) 654-5955

Fax: (603) 654-5777

Map \_\_\_\_\_ Lot \_\_\_\_\_

Plumbing Permit # \_\_\_\_\_

Job Location \_\_\_\_\_

Building Permit # \_\_\_\_\_

Fee \_\_\_\_\_

Residential

Commercial (Additional application required)

Industrial (Additional application required)

New    Addition    Alteration    Other

Fixtures: (How many)

\_\_\_\_ Sink, Kitchen

\_\_\_\_ Lavatory

\_\_\_\_ Sink, Other

\_\_\_\_ Tub

\_\_\_\_ Shower

\_\_\_\_ WC

\_\_\_\_ Jacuzzi/Hot Tub

\_\_\_\_ Washing Machine

\_\_\_\_ Dishwasher

\_\_\_\_ Hot Water Heater

\_\_\_\_ Hot Water Furnace

\_\_\_\_ Other

Copper    Cast Iron    PVC    ABS    Other \_\_\_\_\_

Description of Work: (Not required for new residence)

Applicant certifies that he is a New Hampshire Licensed Master Plumber and that all State and Local Codes are complied with.

\_\_\_\_\_  
Master Plumber (signature)

\_\_\_\_\_  
Date

NH License # \_\_\_\_\_

Owner \_\_\_\_\_

DBA \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

Telephone (    ) \_\_\_\_\_

Telephone (    ) \_\_\_\_\_

Approved: (Date) \_\_\_\_\_

Rejected: (Date) \_\_\_\_\_

\_\_\_\_\_  
Leo Trudeau  
Building Inspector

Permit Log \_\_\_\_ License \_\_\_\_ Vision \_\_\_\_ Building Inspector \_\_\_\_ Binder \_\_\_\_



# Town of Lyndeborough

## Office of the Building Inspector

Building Inspector Leo Trudeau  
Cell Phone: (603) 620-7428

9 Citizens' Hall Road  
Lyndeborough, NH 03082

Telephone: (603) 654-5955  
Fax: (603) 654-5777

### Application for Mechanical Permit # \_\_\_\_\_

PROPERTY INFO

Map# \_\_\_\_\_ Lot# \_\_\_\_\_ Location Address \_\_\_\_\_

Owner's Name \_\_\_\_\_ Telephone ( ) \_\_\_\_\_

Owner's Address \_\_\_\_\_

Purpose of Building \_\_\_\_\_

CONTRACTOR INFO

Contractor's Name \_\_\_\_\_ Company (if applicable) \_\_\_\_\_

License # \_\_\_\_\_ Expiration Date \_\_\_\_\_

Contractor's Address: \_\_\_\_\_ Telephone ( ) \_\_\_\_\_

\_\_\_\_\_ Telephone ( ) \_\_\_\_\_

Contractor's Signature →: \_\_\_\_\_

**By signing above, the individual applies for a permit to perform the mechanical work as described below:**

PROJECT INFO - PROJECT INFO - PROJECT INFO

Is this permit in conjunction with a building permit? Y\_\_\_ N\_\_\_ Building Permit # \_\_\_\_\_

Circle One → Residential Commercial Industrial  
(Additional Application Required) (Additional Application Required)

Circle One → New Work? Alteration? Replacement? Addition?

Check all that apply and specify number of units:

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Air Conditioning Unit           | <input type="checkbox"/> Conversion Burner  | <input type="checkbox"/> Refrigeration Unit |
| <input type="checkbox"/> Fuel Tanks                      | <input type="checkbox"/> Forced Air Furnace | <input type="checkbox"/> Boiler             |
| <input type="checkbox"/> Floor Furnace                   | <input type="checkbox"/> Gas Piping         | <input type="checkbox"/> Wall Heater        |
| <input type="checkbox"/> Water Heater                    | <input type="checkbox"/> Fireplace          | <input type="checkbox"/> Woodstove/Chimney  |
| <input type="checkbox"/> Pellet Stove                    | <input type="checkbox"/> Generator          | <input type="checkbox"/> Other: _____       |
| <input type="checkbox"/> Propane Tank (Gas Company Only) |   |   |

Further Description- if needed (not required for new residence): \_\_\_\_\_

Permit must be obtained before work is started, notice must be given to Inspector when ready for air pressure or other testing, (if applicable), and again when work is completed ~ thank you!

☐ Approved: \_\_\_\_\_  
(date)

☐ Denied: \_\_\_\_\_  
(date)

Leo Trudeau, Building Inspector ☐ or Designee

☐ Log ☐ Review ☐ Issue ☐ UC ☐ 1<sup>st</sup> Insp ☐ Final ☐ PU ☐ File