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TOWN OF PLAINFIELD ZONING AND BUILDING PERMIT APPLICATION



Property Owner:

Name: Phone:

Street: Email:

City State Zip: Builder Email

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:

Water / Sewer MUWP CONFIRMED.

Contractor Information:

Builder:	Electrician:	Plumber:
Name: <input type="text" value="Matt Blanc"/>	Name: <input type="text" value="TBD"/>	Name: <input type="text" value="TBD"/>
Phone: <input type="text" value="603-826-4626"/>	Phone: <input type="text"/>	Phone: <input type="text"/>

Applicant Signature:  Date:


Required Attachments: Drop off or mail Application documents to: Town of Plainfield, PO Box 380, Meriden, NH 03770
 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). email address: plainfield.ta@plainfieldnh.org

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

TOWN of PLAINFIELD ACTION

____ Approved _____ Denied

Permit #: _____ Date: _____

Reviewed and Approved By Building Inspector  10/22/20

Reviewed by Zoning Administrator _____

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

Owner/Owner Builder: Company Name: (if applicable)			General Contractor: Company Name:		
Name: Lindsay D'Anna & Wendy Hubbard			Name: Blanc & Bailey Construction, Inc		
Mail Address: 147 Farm Road			Mail Address: 18 Depot Street		
Town/City: West Windsor	State: VT	Zip: 05089	Town/City: Charlestown	State: NH	Zip: 03603
Phone: 603-667-5526	Cell:		Phone: 603-826-4626	Cell: 603-494-0517	
E-Mail: Wenhub66@gmail.com			E-Mail: matt@blancbailey.com amy@blancbailey.com		
Location of Proposed Structure:			Type of Construction:		
Tax Map #: 105-023-000		Lot #: 23	<input checked="" type="radio"/> Residential <input type="radio"/> Small Commercial <input checked="" 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: Baynes Road			Total New Conditioned* Floor Area: <div style="text-align: center; border: 1px solid black; padding: 5px;">1,890 ft²</div>		
Town/City: Plainfield	County: Sullivan				
Zone 5 <input type="radio"/> Cheshire, Hillsborough, Rockingham or Strafford except the town of Durham that uses 2012 IECC Zone 6 <input type="radio"/> All other counties and the town of Durham			Basement or Crawl Space: (*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) Conditioned? <input checked="" type="radio"/> Yes (Walls must be insulated) <input type="radio"/> No <input checked="" type="checkbox"/> Full Basement <input type="checkbox"/> Walk Out Basement <input type="checkbox"/> Slab on Grade <input type="checkbox"/> Other		
Heating System: (if new system is being installed) Annual Fuel Use Efficiency (AFUE): _____ % Fuel Type(s): <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input checked="" type="checkbox"/> Propane (LP) <input type="checkbox"/> Electric <input type="checkbox"/> Wood <input type="checkbox"/> Other _____ Heating System Type: <input checked="" 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			Form Submitted by: <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Builder <input type="checkbox"/> Designer <input type="checkbox"/> Other _____ Architects must certify plans meet code; no form required		
Structure is EXEMPT because: <input type="checkbox"/> Mobile Home <input type="checkbox"/> On an historic register <input type="checkbox"/> Low energy use (less than 1 watt/ ft ²)					

(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 Matt & Amy Blanc Date 10/17/2020

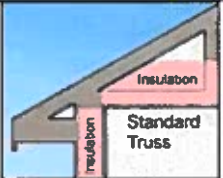
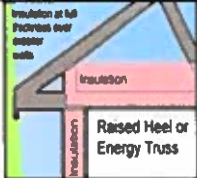
Official Use Only	
Date Complete Application Received:	Approved by: _____ Date: _____
Approval Number:	Stamp: Reason: <input type="checkbox"/> 1; <input type="checkbox"/> 2; <input type="checkbox"/> 3; <input type="checkbox"/> Other: _____ Notice: <input type="checkbox"/> e-mail <input type="checkbox"/>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

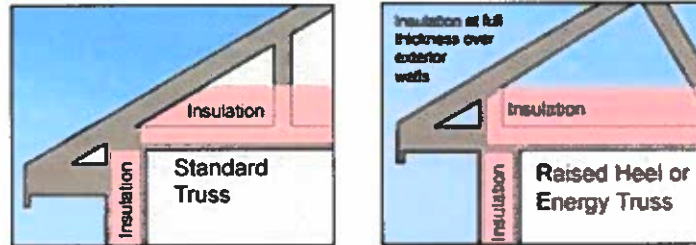
Building Section	Required R or U Values	YOUR PROPOSED STRUCTURE	
		Write Planned R and U Values	Brands / Models / insulation type and thickness (if known)
Window U Factor (lower U is better)	U .35 (maximum) U-.32 (if log walls in Zone 5) U-.30 (if log walls in Zone 6) U .50 (Thermally Isolated Sunrooms only)	Write in U-Value	Check if <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
Skylights	U .60		
Flat Ceilingⁱ or Flat Ceiling with Raised or Energy Trusses R-value	 R-38 (Zone 5) R-49 (Zone 6) if using the above construction technique R-49 if log walls  R-30 (Zone 5) R-38 (Zone 6) if maintaining the full R value over the plates R-49 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	NOTE: R-38 will be deemed to satisfy the requirement for R-49 if the full R-38 insulation value is maintained over the outside plates. If using only R-30 (Zone 5) or R-38 (Zone 6), you must certify that you'll 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>
Sloped or Cathedral Ceiling	R-30 (Zone 5 & 6) or 38 if more than 500 ft sq or 20% of total ceiling area (Zone 6) R-24 (Thermally Isolated Sunrooms only)	Write in R-Value	Check if <input type="checkbox"/> Sunroom
Above Grade Wallⁱⁱ R-value	R-20 Cavity Insulation only or R-13 plus R-5 Cavity plus Continuous Insulation R-13 (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
Door U-Value	U .35 (maximum)	Write in U-Value	
Floor R Value (Basement ceiling)	R-30 or Insulation sufficient to fill joist cavity	Write in R-Value	
Basement or Crawl Space Wall R Value	R-13 Cavity Insulation or R-10 Continuous Insulation (Zone 5) R-19 Cavity Insulation or R-15 Continuous Insulation (Zone 6)	Write in R-Value	If conditioning the basement you must insulate Basement Walls. If not, you may insulate either Floor or Basement Walls and/or Slab Edge
Slab Edgeⁱⁱⁱ R Value	R-10 2' (Zone 5) 4' (Zone 6) (see drawing pg 3) add R-5 if the Slab is heated or R-15 under entire heated slab if a log home.	Write in R-Value	Check if <input type="checkbox"/> Heated Slab
Air Sealing	Planned Air Sealing Test Method 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

Footnotes to Residential Energy Code Application for Certification of Compliance

ⁱ **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.

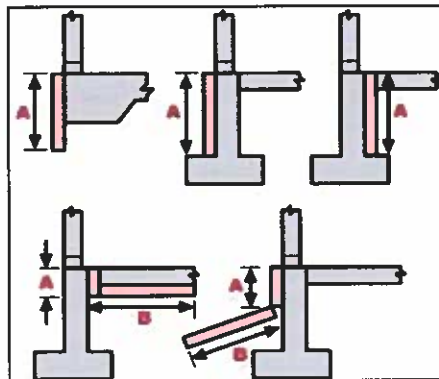


ⁱⁱ R-13 + R-5 means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25 percent or less of the exterior, R-5 sheathing is not required where the structural sheathing is placed. If structural sheathing covers more than 25 percent of exterior, the structural sheathing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

ⁱⁱⁱ 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.:

Air barrier and thermal barrier	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.
Ceiling/attic	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.
Walls	Corners and headers are insulated.
	Junction of foundation and sill plate is sealed.
Windows and doors	Space between window/door jambs and framing is sealed.
Rim joists	Rim joists are insulated and include an air barrier.
Floors (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.
Crawl space walls	Insulation is permanently attached to walls.
	Exposed earth in unvented crawl spaces is covered with Class I vapor retarder with overlapping joints taped.
Shafts, penetrations	Duct shafts, utility penetrations, knee walls and flue shafts opening to exterior or unconditioned space are sealed.
Narrow cavities	Batts in narrow cavities are cut to fit, or narrow cavities are filled by sprayed/blown.
Garage separation	Air sealing is provided between the garage and conditioned spaces.
Recessed lighting	Recessed light fixtures are air tight, IC rated, and sealed to drywall. Exception—fixtures in conditioned space.
Plumbing and wiring	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.
Shower/tub on exterior wall	Showers and tubs on exterior walls have insulation and an air barrier separating them from the exterior wall.
Electrical/phone box on exterior walls	Air barrier extends behind boxes or air sealed-type boxes are installed.
Common wall	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.
Fireplace	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.:

	Air Leakage Code section 402.4 The building thermal envelope must be durably sealed to limit infiltration	<p>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.</p>
	Air Sealing and Insulation Code Section 402.4.2	<p>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 3rd party to conduct the visual inspection. See page 4.</p>
	Testing Option Code Section 402.4.2.1 or Visual Option Code Section 402.4.2.1	<p>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.</p> <p>Blower Door Test conducted by: _____</p> <p>Result (at 50 Pa): _____ CFM Interior Volume _____ CF _____ ACH</p> <p style="text-align: center;">OR</p> <p>Structure passes Visual Inspection: _____ signed _____ date</p>
	Fireplaces Code Section 402.4.3	<p>New wood-burning fireplaces shall have gasketed doors and outdoor combustion air.</p>
	Recessed Lighting Code Section 402.4.5	<p>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.</p>
	Electrical Power and Lighting Systems Code section 404	<p>A minimum of 50% of the lamps in permanently installed lighting fixtures shall be high efficacy lamps.</p>
	High-Efficacy Lamps Code section 202	<p>Compact fluorescent lamps, T-8 or smaller diameter linear fluorescent lamps, or lamps with a minimum efficacy of:</p> <ol style="list-style-type: none"> 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.
	Materials and Insulation Information Code section 102.1	<p>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.</p>
	Pull-Down Attic Stairs, Attic Hatch, and Knee Wall Doors Code section 402.2.3	<p>Should be insulated to a level equal to the surrounding surfaces and tightly sealed and weather-stripped at the opening.</p>

Full size Attic or Basement Entry Doors	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.
Duct Insulation Code section 403.2	Supply 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.
Duct Construction 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.
Duct Testing 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
Temperature Controls 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
Mechanical System Piping Insulation 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.
Circulating Hot Water Systems 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.
Mechanical Ventilation Code section 403.5	Outdoor air intakes and exhausts must have automatic or gravity dampers that close when the ventilation system is not operating.
Equipment Sizing Code section 403.6	Heating and cooling equipment must be sized in accordance with Section M1401.3 of the <i>International Residential Code</i> .
Certificate 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.

Steve Halleran

From: Bill Taylor [billtaylormvwd@gmail.com]
Sent: Monday, October 26, 2020 4:13 PM
To: Steve Halleran
Subject: Re: New house on Baynes Road

Yes. He paid the connection fees and is all set with MVWD.

On Mon, Oct 26, 2020 at 3:55 PM Steve Halleran <plainfield.ta@plainfieldnh.org> wrote:

Are you all set with the new house on Baynes Road, they want their BP? Once you say yes I'll forward it to David Lersch.

Stephen Halleran

Town Administrator

(603) 469-3201

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Bill

William S. Taylor
Fire Chief, Plainfield / Meriden Fire Depts.
Chief Operator, Meriden Village Water District
603-469-3486 (office WWTF)
603-469-3225 (Smokehouse)
603-359-7014 (cell)

10/27/2020