

Town of Amherst, New Hampshire

Office of Community Development

 $Building \cdot Code \ Enforcement \cdot Planning \cdot Zoning \cdot Economic \ Development$ 2 Main St · PO Box 960 · Amherst, NH 03031 · 603.673.6041 · www.AmherstNH.gov

BUILDING PERMIT APPLICATION

To Build, Alter, Repair, Install, or Change Buildings, Land, or Uses

Property Address:	Map/ Lot
Property Owner Name:	Zone:
Phone #:	Zone:Email:
PERMIT APPLICANTS INFORMATIO	N:
Contractor:	Name:
Address:	
Phone Number:	Cell Phone:
Email:	
Name:	License #:
Address:	
Phone Number:	Cell Phone:
Email:	
Electrical·	
Name:	License #:
Address:	Diceise II.
Phone Number:	Cell Phone:
Email:	CONT NONC.
Plumbing:	
Name:	License #:
Address:	Diconso III
Phone Number:	Cell Phone:
Email:	Con r none,
Septic:	
Name:	License #:
Address:	2.00,000
Phone Number:	Cell Phone:
Email:	CONT NOME.
ce Use Only	
Fees: Admin Fee Bi	uilding (Heated) Ruilding (Non-heated)

Offi

Fees:	Admin Fee	Building (Heated)	Building (1	Non-heated)
Electric	Plumbing	Septic	Total	Paid

Detailed Description of Work:
Total Cost of Improvements: \$
Square Footage of Improvements/ Additions/ Remodel :
Please check off applications –
1- Type of Building Permit:
□New Building □Addition □Alteration □Demo - Yr Built □
□ Repair/ Replacement □ Pool □ Shed □ Deck □ Electrical □ Plumbing □ Commercial/ Industrial □ Sign
UHome Occupation UOTHER
* Residential requires Application Form EC-1 certification from the NH Public Utilities Commission
(Available at http://www.puc.state.nh.us/energycodes/Form%20EC-1.pdf) 2-Use:
☐One Family ☐Two Or More Family- # of Units ☐Garage (Residential)
□Garage (Commercial) □Barn/ Shed/ Agricultural □Hotel/ Motel/ Dorm-# of Units
□Office/ Professional □Industrial □Public Utility □Educational □Retail Store
□Restaurant □Medical □Storage □Assembly □OTHER
Non Residential- Describe in detail proposed use of building(s):
3-Characteristics:
□Wood Frame □Masonry □Structural Steel □Reinforced Concrete
Other:
Sewage- Private (Septic) Public Water Supply- Private (Well) Public Historic District- Yes No Scenic Road- Yes No
Heating- Gas Goil Gelectric Wood Central Air- Gyes GNo
Elevator- □Yes □No
Total Parking Spaces: # of Bathrooms: (Full) (Partial)
of Bedrooms: (Residential Only)
4-Dimensions:
Number of Stories: Square footage of all floor areas: (Base on exterior dimensions)
Total Land Area:(Acres)
Signature of applicant:Date:
I certify I have completed the following Stormwater Management Determination Form
☐ I certify a Driveway permit and Bond was submitted to Amherst DPW
This project may be subject to Impact Fees By signing above, I certify that the proposed work is authorized by the owner of record and agree to conform to a
applicable Codes, Laws and Ordinances for the Town of Amherst, New Hampshire. I further acknowledge that

applicable Codes, Laws and Ordinances for the Town of Amherst, New Hampshire. I further acknowledge that construction activities <u>shall not commence until the Building Permit is approved and issued</u>, and the structure will not be occupied or otherwise utilized without the issuance of a Certificate of Occupancy.



Town of Amherst, New Hampshire Office of Community Development

Building · Code Enforcement · Planning · Zoning · Economic Development

Notice of New Code Adoption

On July 1, 2022 NH Gov. Sununu signed HB 1681, which adopts the 2018 building and fire codes, along with the 2020 electrical code, with the amendments.

We understand and appreciate that updating Codes can bring challenges that may affect your projects, especially those that may take many months to finalize. Understanding that, projects which are in formal process with the Community Development Office's Building and Code Enforcement Division, that have submitted an application for review and received approvals prior to July 1, 2022 will be permitted to continue with designs, construction and subsequent inspections performed under the applicable provisions for the duration of the work covered by the approved permit.

This new adoption also allows a period of 6 months after July 1, 2022, called a 'concurrency period', which building permits and other required documents, at the election of the applicant, to show compliance using either the previous editions or the newly adopted editions of the Codes, but at no time utilizing a combination of the 2 codes. During this *concurrency period*, all submittal documents and applications will be required to show which edition of the Codes will be used for the specified project.

The approved and adopted amendments to the Codes can be found here: https://www.nh.gov/safety/boardsandcommissions/bldgcode/bldgexhibits.html

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Notice of New Code Requirements

As of March 14, 2023, the Town of Amherst has a local amendment to the NH State Building Code. These requirements shall be in effect for all new construction.

"Adoption of Codes by Reference. The Town of Amherst hereby adopts the following building codes and amendments thereto pursuant to RSA 155-A and 674:51, as amended. These codes shall be known as the Building Code and are adopted to establish rules and regulations for the construction of buildings within the limits of the Town of Amherst. Where any provision of the Building Code conflicts with State or federal law, the code creating the greater degree of life safety shall take precedence. (3-11-14, 3-14-23)

1. The definition of potable water in Section R202 of the 2018 International Residential Code is replaced with:

POTABLE WATER. Water free from impurities present in amounts sufficient to cause disease or harmful physiological effects and conforming to the Drinking Water Maximum Contaminant Level standards established by the more stringent of the New Hampshire Department of Environmental Services or the U.S. Environmental Protection Agency for Arsenic, Bacteria, Copper, Fluoride, Lead, Nitrate, Nitrite, Uranium, Manganese, and those Per- and Polyfluoroalkyl Substances (PFAS) Contaminants for which standards have been set, including but not limited to:

Perfluorohexane sulfonic acid (PFHxS), total of all isomers

Perfluorononanoic acid (PFNA), total of all isomers

Perfluorooctane sulfonic acid (PFOS), total of all isomers

Perfluorooctanoic Acid (PFOA), total of all isomers

2. The existing text of the 2018 International Residential Code, Section P2602 Individual Water Supply and Sewage Disposal, Subsection P2602.1, General, is supplemented by the addition of the following:

Water Quality Test. Water from an individual water supply shall be approved as potable by the authority having jurisdiction prior to issuance of a certificate of occupancy. A report from a laboratory accredited under the New Hampshire Environmental Laboratory Accreditation Program or another state program under the National Environmental Laboratory Accreditation Program shall be submitted to the code/building official. When water treatment is necessary, treated water shall be tested for the contaminants listed within the "potable water" definition. Well Capacity Test. An individual water supply system based on an individual well shall provide at least 960 gallons of water over a four-hour period in accordance with the following requirements:

- 1. Upon completion of the drilling and development of the well, the well must be pumped with a submersible pump located at the likely depth the permanent well pump would be set and at least 25 feet above the bottom of the well.
- 2. The determination of the usable well yield must be performed by completing a pump test a minimum of four hours in duration unless the criteria in No. 4 below is met.
- 3. During the pump test, the water level in the well must always be at least 20 feet above the pump intake, and if not, the pumping rate must be reduced to maintain the minimum 20 feet of water above the pump intake.
- 4. The pump test can be terminated in less than four hours if the water level drawdown rate is measured as less than 1 inch per minute over a 30-minute period and the pumping rate being maintained is a minimum of 4 gallons per minute.
- 5. Upon completion of the pump test, the water level must recover within 24 hours to at least 85 percent of the static water level measured prior to commencement of the pump test.
- 6. The well must have a minimum aquifer yield of no less than 2 gallons per minute.
- 7. The pump test must be overseen and documented by a licensed water well contractor, licensed pump installer, or a licensed geologist, with appropriate qualifications.
- 8. The well construction details, and pump test results must be documented and provided to the municipality and the homeowner.
- 9. If a well fails to meet the required pumping rate and performance standards, additional water volume may be met by adding a water storage tank to the domestic water system or another approved alternative method.
- 10. If the sanitary exclusion zone (as defined in NH Department of Environmental Services regulations) of one or more additional wells overlaps the sanitary exclusion zone of the subject well, then all such wells with overlapping sanitary exclusion zones must be tested and meet the capacity requirements simultaneously. The early termination provision of paragraph 4 shall not apply unless each well being tested simultaneously meets the criteria of paragraph 4."
 - All new construction shall meet these potable water requirements. Testing and flow results are required.
 - A Blower door test shall be required.
 - An HVAC duct leakage test shall be required.

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 2018 IRC Chapter 11

Effective Date: July 1, 2022

Owner/Owner Builder: Company Name: (if applicable)		General Contractor: Company Name:			
Name:		Name:			
Mail Address:			Mail Address:		
Town/City:	State:	Zip:	Town/City:	State:	Zip:
Phone:	Cell:		Phone:	Cell:	
E-Mail:			E-Mail:		
Location of Proposed Tax Map #: Street: Town/City:	Structur Lot #: County:	<u>e:</u>	Type of Construction O Residential O New Building O Re O Thermally Isolated Su O Modular Home: the site form detailing supplementary Basement insulation unless the	Small Cor enovation nroom contractor m rooms and Flo	O Addition ust submit this por and/or
Zone 5 O Cheshire, Hillsborough, Rockingham Strafford Zone 6 O All other NH counties and town of Durham		provided by the manufacturer and no heated space is added. Total New Conditioned* Floor Area: tt²			
				containing unit	nsulated ducts or wast be insulated) lated) Sement
Structure is EXEMPT	because:	9	Form Submitted by:		
☐ Mobile Home ☐ On	an historic r	egister	☐ Owner ☐ Builder ☐	Other	
by certify that all the information cor specifications of the app	ntained in this roval given by	the local municipal	nd correct, and construction shall co code official or New Hampshire De	mply in all resp partment of En Dat	ergy.
ature		Print Name_		Dat	e

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.

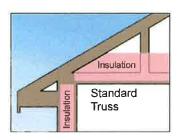
	OSED STRUCTURE	options. Flease submi	t pages 1 and 2 only.
Building Section	Required R or U Values	Write Planned R and U Values	Brands / Models / insulation type and thickness (if known)
Window U Factor (lower U is better)	U.30 (maximum) U32 (if log walls in Zone 5) U30 (if log walls in Zone 6) U.45 (Thermally Isolated Sunrooms only) U.55 (or less)	Write in U-Value	Check if Sunroom Log Walls
Skylights	U .70 (Thermally Isolated Sunrooms only)		
Flat Ceiling or Flat Ceiling with Raised or Energy Trusses R-value	R-49 (Zone 5 or 6) if using the above construction technique R-49 if log walls R-49 if log walls	→ 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. 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.
Sloped or Cathedral Ceiling	R-30 (Zone 5 & 6) if less than 500 ft sq or 20% of total ceiling area or as above R-24 (Thermally Isolated Sunrooms only)	Write in R-Value	Check if Sunroom
Above Grade Wall ⁱⁱ R-value	R-20 Cavity Insulation only or Cavity plus R-5 Cavity plus R-5 Cavity plus Continuous Insulation R-13 (Thermally Isolated Sunrooms only) 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 □ Sunroom □ Log Walls
Door U-Value	U .30 (maximum)	Write in U-Value	One opaque door in the thermal envelope is exempt from the U-factor requirement.
Floor R Value (e.g., floor over Basement or garage)	R-30 or Insulation sufficient to fill joist cavity minimum R-19	Write in R-Value	If conditioning the basement you must insulate Basement Walls. If not, you may insulate either Floor or Basement Walls
Basement or Crawl Space Wall R Value	For <i>both</i> Zone 5 and Zone 6 R-19 Cavity Insulation or R-15 Continuous Insulation	Write in R-Value	and Slab Edge (if ≤ 1' of grade)

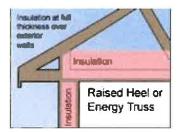
Slab Edge ⁱⁱⁱ R Value	R-10 2' (Zone 5) 4' (Zone 6) (see drawing pg 3) add R-5 if the Slab is heated or R-15 under entire heated slab if a log home.	Write in R-Value	Check if Heated Slab
Air Sealing	A blower door test is required . The test must demonstrate an air exchange rate of three Air Changes per Hour (ACH) or less @ 50 Pa.	Blower Door	If required by the code official, an approved third party may be required to conduct the blower door test.

Submit pages 1 through 3 to local municipal code official or NH Department of Energy at energy.nh.gov
Phone: 603.271.3670 Fax: 603.271.3878

Footnotes to Residential Energy Code Application for Certification of Compliance

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.

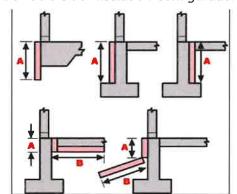




- R-20 + R-5 means R-20 cavity insulation plus R-5 continuous insulation. If structural sheathing covers 25 percent or less of the exterior, R-5 sheathing is not required where the structural sheathing is placed. If structural sheathing covers more than 25 percent of exterior, the structural sheathing must be supplemented with insulated sheathing of at least R-2.
- 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.

2018 International Residential Code (IRC) effective July 1, 2022 Residential Energy Code Requirements IRC Chapter 11 The following list is intended as a general summary of energy related requirements. Please consult the 2018 IRC Chapter 11 for complete requirements.

Air Leakage Code Section N1102.4	The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of IRC Sections R1102.4.1 through R1102.4.4. The building thermal envelope must be durably sealed to limit infiltration. See Table N1102.4.1.1 for a list of thermal envelope elements and installation criteria. Building envelope air tightness shall be verified to comply by Blower Door testing to not exceed air leakage of 3 Air Changes per Hour (ACH) at 50 Pascals pressure. The local Building Official may require an independent 3 rd party to conduct the test.
Testing Code Section N1102.4.1.2	The Blower Door Test is the required method to demonstrate code compliance with the air leakage requirement. Blower Door Test conducted by: Result (at 50 Pa):CFM Interior VolumeCFACH
Fireplaces Code Section N1102.4.2	New wood-burning fireplaces shall have tight-fitting flue dampers or doors and outdoor combustion air.
Recessed Lighting Code Section N1102.4.5	Recessed lights in the thermal envelope 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.
High-Efficacy Lighting Code Section N1104.1	Not less than 90 percent of the lamps in permanently installing lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.
Materials and Insulation Identification Code Section N1101.5 and N1101.10	Materials, systems and equipment shall be identified in a manner that will allow a determination of code compliance. 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.
Pull-Down Attic Stairs, Attic Hatch, and Knee Wall Doors Code Section N1102.2.4	Should be insulated to a level equal to the surrounding surfaces and tightly sealed and weather-stripped at the opening.
Full size Attic or Basement Entry Doors Code Section N1102.3.4	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 meeting the U-factor requirement. One door is exempt.
Duct Insulation Code Section N1103.3.1	Supply and return ducts in attics must be insulated to at least R-8 where 3 in. diameter or greater and not less than R-6 for ducts smaller than 3 in. diameter Supply and return ducts in other portions of the building must be insulated to at least R-6 where 3 in. diameter or greater and not less than R-4.2 for ducts smaller than 3 in. diameter. Exception: Ducts or portions thereof located completely inside the building thermal envelope.

Duct Construction Code Sections N1103.3.2 and N1103.3.5	Ducts, air handlers and filter boxes shall be sealed. Joints and seams must comply with the Mech. Code or Section M1601.4.1 of the International Residential Code. Building framing cavities shall not be used as ducts or plenums (neither supply nor return).
Duct Testing Code Sections 1103.3.3	Ducts shall be pressure tested to determine air leakage by either 1) rough-in test or 2) post-construction test. Rough in Test: Ducts must be no leakier than 6 CFM per 100 sq ft of conditioned floor area with air handler installed or 4 CFM per 100sqft without the air handle installed. Post Construction: Ducts must be no leakier than 8 CFM per 100 sq ft of condition floor area. See Code for further requirement details.
	Test conducted by:
	Duct test result at 25 Pa:Post construction orRough-in t
	At least one thermostat must be provided for each separate heating and cooling system. The thermostat controlling the primary system must be equipped with a programmable thermostate.
Temperature Controls Code Section N1103.1&1.1	Heat pumps having supplementary electric-resistance heat must have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can me the heating load
Mechanical System Piping Insulation Code Section 1103.4	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 N1103.5	Controls for circulating hot water system pumps shall start based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pur when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.
	Circulating domestic hot water system piping shall be insulated to R-3.
Mechanical Ventilation Code Section N1103.6	The building shall be provided with ventilation that meets the requirements of Section M150 of this code or the International Mechanical Code, as applicable, or with other approved mea of ventilation. Outdoor air intakes and exhausts must have automatic or gravity dampers that close when the ventilation system is not operating.
Equipment Sizing Code Section N1103.7	Heating and cooling equipment shall be sized in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies. Equipment shall have an efficiency rating equal to or greater than applicable federal standards.
Certificate Code Section N1101.14	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 install in or on the ceiling, walls, foundation, and ducts outside the conditioned spaces; U-factors at SHGC for fenestration. The certificate must also list the type and efficiency of heating, cool and service water heating equipment.
Existing Buildings and Structures	The purpose of these provisions is to encourage continued use of existing buildings and structures. Work in existing buildings shall be classified into categories of repair, renovation alteration and reconstruction. Consult this Appendix for specific requirements related to wor
	in existing buildings.



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Amherst Stormwater Management

Procedure Sheet to determine the need for a Stormwater Management Plan

Review the following criteria to determine whether or not a Stormwater Management Plan is required:

1	Will your development or redevelopment project disturb more than 20,000 square feet?	□Yes □No
	-	
2.	Will your development or redevelopment project disturb more than 10,000	□Yes □No
	square feet within 100 feet of a surface water body or wetland?	
3.	Will your development or redevelopment project disturb less than 1. & 2.	□Yes □ No
,	above but is part of a larger common plan of development that would	
	cumulatively disturb 20,000 square feet or more?	
4.	Will your development or redevelopment project disturb any amount of square	□Yes □ No
	footage directly adjacent to a wetlands buffer established under the Wetland	
	and Watershed Conservation District Ordinance?	
5.	Will your development or redevelopment project disturb any amount of square	□Yes □No
35	footage if the disturbed area is a Critical Area*?	
6.	Does your project involve construction or reconstruction of a street or road?	☐Yes ☐ No
7.	Is your project a subdivision of more than three building lots?	□Yes □ No
8.	Is your project a subdivision that will create a private road or a road intended	□Yes □ No
•.	for adoption as a public road?	
9.	Is your project a subdivision that fronts on an existing private or public road	□Yes □ No
	and the stormwater discharges to the Town's drainage system subject to the	
	EPA MS4 permit?	

If the answer is "Yes" to any of questions 1 - 9, a Stormwater Management Plan shall be prepared and submitted as part of the building permit application OR as part of the application for subdivision or site plan review with the Planning Board.

See the Town of Amherst Stormwater Regulations, adopted December 16, 2021, by the Planning Board and January 4, 2021, by the Board of Health and Board of Selectmen.

^{*} Critical Area: Disturbed areas of any size within fifty (50) feet of any wetland; one hundred (100) feet of any Public Water Protection Wetland as defined in Zoning Ordinance Section 4.11 Part C); disturbed areas exceeding two thousand (2,000) square feet in highly erodible soils; or, disturbed areas containing slope lengths exceeding twenty-five (25) feet on slopes greater than ten (10) percent.

Town of Amherst, NH Procedure Sheet to determine the need for a Stormwater Management Plan Page 2

0.	Will your project create disturbance adjacent to Town property or a right-of-way that does not meet the criteria in questions 1 - 9 on the previous page?	LIYes LI No
	If the answer is "Yes" to question 10, please submit the details of your provided prior to the commencement of the disturbance. Use of Stormwa Practices is strongly encouraged to minimize stormwater impacts on Town	ter Best Management
	No excavation or disturbance to shoulders, ditches, swales, or embankment without written permit permission.	s may take place
- 4	Road opening, temporary access and driveway permit applications may be in accordance with the Town's Roadway and Utility Standards.	required by the DPW
_	Signature of applicant:	_ Date: