

Town of Northfield

BUILDING PERMIT APPLICATION

PROPERTY OWNER	
Name _____	
Address _____	
Tel. # _____	Email address _____

APPLICANT INFORMATION	Same as Owner <input type="checkbox"/> Yes <input type="checkbox"/> No
Name _____	
Address _____	
Tel. # _____	Email address _____

PROPERTY INFORMATION	
911 address: _____	
Tax Map and Lot Number: _____	Size: _____ acres
Is the property on a public road? <input type="checkbox"/> Yes <input type="checkbox"/> No. If not, how is it accessed?: _____	
Zoning District <input type="checkbox"/> R1 <input type="checkbox"/> R2 <input type="checkbox"/> Conservation <input type="checkbox"/> Commercial/Industrial	
Driveway access permit number (if needed): _____	
Is the property in the Groundwater Protection District? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Is any proposed work within 50 feet of a Wetland area? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Is any proposed work within a Flood Hazard Area? <input type="checkbox"/> Yes <input type="checkbox"/> No	

PROJECT DESCRIPTION: <i>Please describe the work you want to do:</i>

PROPOSED USE	
<i>What is the property used for now?</i>	
Vacant <input type="checkbox"/>	Business _____
Single Family Home <input type="checkbox"/>	Residence and Business _____
Duplex: <input type="checkbox"/>	Agricultural _____
Multi Family Home <input type="checkbox"/>	Other _____
<i>Are you proposing that the use of the property be changed?</i>	
No, we are not seeking to change the use of the property <input type="checkbox"/>	
Yes, if approved this construction will change the use of the property:	
<input type="checkbox"/> We want to build on vacant land	<input type="checkbox"/> We want to add a new residence
<input type="checkbox"/> We want to add a business use	Other _____

CODE & PERMIT INFORMATION

Applicable Building Codes: NH Building Code,
National Electric Code 2005
NFPA 101 Life Safety Code

ELECTRICAL/PLUMBING: State law requires a master plumber and electrician for all work unless you own and live in the structure. Multifamily and rental housing requires master electrician and plumber for all work

Electrical Contractor **Separate Form Required** None: _____

Business Name: _____

Address: _____

Your Electrical Contractor is required to file an application form with the Town of Northfield for this project, applications are available at Town Hall or at www.northfieldnh.org A copy of your electrical contractor's approved application must be filed with your building permit application.

Plumbing Contractor **Separate Form Required** None: _____

Business Name: _____

Address: _____

Your plumbing contractor is required to file an application form with the Town of Northfield for this project, applications are available at Town Hall or at www.northfieldnh.org A copy of your plumbing contractor's approved application must be filed with your building permit application.

SEPTIC SYSTEM: Approvals must be obtained from the NH Dept. of Environmental Services. If you are adding bedrooms to your home you may have to enlarge your septic system if it was not built to accommodate the additional bedrooms.

Septic Design Approval #: _____ None required: _____

SMOKE (HEAT) DETECTORS: Shall be installed in each bedroom, outside each separate sleeping area and on every level of the dwelling, including basements.

NH ENERGY CODE APPROVAL: **Separate Form Required** Required for all new homes and "Living Space Additions". Approval form (EC-1) can be obtained from the Northfield Building Inspector or directly from the Public Utilities Commission. <https://www.puc.nh.gov/EnergyCodes/energyypg.htm>

NATURAL GAS/PROPANE CONTRACTOR **Separate Permit Required** None: _____

Business Name: _____

Address: _____

A permit from the Tilton Northfield Fire Department is required for gas or oil burners. A copy of your approved permit to install a gas/oil burner must be filed with your building permit application.

OIL CONTRACTOR **Separate Permit Required** None: _____

Business Name: _____

Address: _____

A permit from the Tilton Northfield Fire Department is required for gas or oil burners. A copy of your approved permit to install a gas/oil burner must be filed with your building permit application.

DRIVEWAY/ROAD ACCESS **Separate Permit Required**

Will you be building a new driveway or improving an existing driveway? ___ Yes ___ No

Separate permit required, applications available at Town Hall or at www.northfieldnh.org

A copy of your road access permit application must be filed with your building permit application.

Estimated cost of project: \$ _____

Estimated completion date: _____

SETBACKS

	<i>Existing</i>		<i>Proposed</i>
How far back is the construction from the front property line	_____	ft	_____
How far back is the construction from the rear property line	_____	ft	_____
How far back is the construction from the side property line	_____	ft	_____
How far back is the construction from the side property line	_____	ft	_____

The footprint of my existing buildings will not change, nor am I adding a new building. _____

Fees

Single Family Home	\$350
Multi/Two Family Home	\$350 for 1 st unit, \$200 for each additional unit
Apartment Addition	\$150
Commercial/Industrial New	\$0.10/sq. ft., \$750 minimum
Commercial/Industrial Additions	\$0.10/sq. ft., \$300 minimum
Additions/Alterations without Plumbing	\$25
Additions/Alterations with Plumbing	\$50
Accessory: New or replacement	
Garage/Shed, Sign, Deck/Porch	\$25
Demolition	No Fee
Handicap Access	No Fee

SKETCH

If your proposal includes any new construction your application needs to include a sketch that shows the following:

- a. Boundaries of your lot
- b. Names of streets or roads abutting the property
- c. Location of all buildings on the lot
- d. Dimensions of existing and proposed structures
- e. Distance between existing and proposed structures and property lines
- f. Location of wetlands
- g. Location of septic tank and leach field
- h. Location of well or water supply



Before you sign your application:

- Have you answered all the questions?
- Does your sketch include all requested information?
- Do you have all necessary attachments? *(If Applicable)*

Plumbing Contractor Application

Natural Gas/Propane/Oil Permit from TNFD

Electrical Contractor Application

NH Energy Code ECI Approved by PUC

Driveway Permit

I request a permit for the project described in this application and grant town officials permission to access my property for inspection purposes related to this project. I understand that any misrepresentation in this application, intentional or not, will invalidate approval.

I am aware that my building permit will become void if work is not begun within six months and that work must progress in a speedy manner.

Applicant _____ Date _____
(Signature)

Land Owner: _____ Date _____
(Signature)

Office Use Only

Date Received: _____ Received by: _____

Amount paid: _____ Date paid: _____ Check No.: _____

Comments: _____

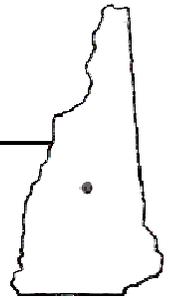
Approved as submitted Denied Permit Number: _____

Approved with conditions: _____

Code Enforcement Officer: _____ Date: _____



TOWN OF NORTHFIELD



21 Summer Street, Northfield, New Hampshire 03276
Tel. 603-286-7039 Fax 603-286-3328
www.northfieldnh.org

ELECTRICAL CONTRACTOR FORM

PLEASE COMPLETE AND RETURN TO: **TOWN OF NORTHFIELD**
ATTN: BUILDING INSPECTOR
21 SUMMER STREET
NORTHFIELD, NH 03276

ELECTRICIAN'S NAME: _____

LICENSE # _____

ADDRESS: _____

CITY/STATE: _____ TEL#: _____

JOB SITE LOCATION: _____

PROPOSED ELECTRICAL WORK: _____

PROJECT OWNER'S NAME/CONTRACTOR: _____

THE UNDERSIGNED AGREES THAT ALL WORK WILL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.

THE UNDERSIGNED ACCEPTS RESPONSIBILITY IN NOTIFYING AND OBTAINING ALL NECESSARY INSPECTIONS FROM THE NORTHFIELD BUILDING INSPECTOR.

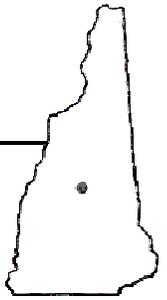
ELECTRICIAN

DATE



TOWN OF NORTHFIELD

21 Summer Street, Northfield, New Hampshire 03276
Tel. 603-286-7039 Fax 603-286-3328
www.northfieldnh.org



PLUMBING CONTRACTOR FORM

PLEASE COMPLETE AND RETURN TO:

**TOWN OF NORTHFIELD
ATTN: BUILDING INSPECTOR
21 SUMMER STREET
NORTHFIELD, NH 03276**

PLUMBER'S NAME: _____

LICENSE # _____

ADDRESS: _____

CITY/STATE: _____ TEL#: _____

JOB SITE LOCATION: _____

PROPOSED PLUMBING WORK: _____

PROJECT OWNER'S NAME/CONTRACTOR: _____

THE UNDERSIGNED AGREES THAT ALL WORK WILL BE COMPLETED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.

THE UNDERSIGNED ACCEPTS RESPONSIBILITY IN NOTIFYING AND OBTAINING ALL NECESSARY INSPECTIONS FROM THE NORTHFIELD BUILDING INSPECTOR.

PLUMBER

DATE

Tilton-Northfield Fire & EMS

12 Center Street, Tilton, NH 03276
(603)286-4781 • fax (603)286-4787 • info@tnfd.org

APPLICATION FOR PERMIT TO INSTALL OR ALTER HEATING APPLIANCES AND/OR FUEL STORAGE TANKS

Application is hereby made in accordance with the provisions of NFPA 1, the Fire Prevention Code, adopted by the Tilton-Northfield Fire District and regulations made under authority thereof by the undersigned for a permit to install or alter, for the person or persons and at the location named herein, certain equipment for the keeping, storage, or use of flammable or combustible gas or liquid and solid fuels as described below. NFPA 31, 33, 33-A, 54, 58 and 211 are referenced.

Name: (owner/occupant) _____

Mailing Address: _____

Inspection Site Address: _____

Contact Phone Number(s): _____

Contractor _____

Mailing Address: _____

Contact Phone Number(s): _____

Type of Fuel

- Oil / Kerosene
- LP
- NG
- Solid-Fuel

SIGNATURE OF CONTRACTOR: X _____ **DATE:** _____

This application is made with full knowledge of the current regulations governing such installations, which will be made in compliance therewith. By affixing my signature to this permit application, I agree that all work done by myself or others under my supervision shall be completed in compliance to all applicable code(s), Tilton-Northfield Fire District Ordinances and the manufacturer's installation instructions

Appliance Manufacturer/Type: _____ Serial Number: _____

Appliance Manufacturer/Type: _____ Serial Number: _____

Appliance Manufacturer/Type: _____ Serial Number: _____

Size and Location of tank(s) () U/G () A/G _____

Please check all that apply

Complete System _____ Fee: \$60.00 (Includes: interior & exterior piping & appliance)

Additional Appliance _____ Fee: \$30.00

Interior Piping Only _____ Fee: \$20.00

Tank & Exterior Piping _____ Fee: \$30.00

This application is not a permit to operate. The installer must contact the Fire Prevention Office when the installation is complete to schedule an inspection.

Office Use Only

Issued By: _____ Date Received: _____ Fee: \$ _____ CA CK _____

Inspection Date _____ Time _____ Tag # _____ Approved _____ Not Approved _____

License Endorsements:

GPI	Gas Piping Installer – holder may do gas piping only
EI – P/N	Equipment Installer – Holder can install piping and equipment
ST – P/N	Service Technician – Holder can install piping and equipment and service existing equipment
HST	Holder works only on hearth type systems

GAS DISTRIBUTION DIAGRAM

Appliances Served	BTU's	Fuel Type	Pipe Size
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____

Piping System Diagram: **(show all pipe sizes, lengths and types, including bonding connection for CSST.)**

Test pressure shall be measured with a manometer or with a pressure measuring device designed and calibrated to read record or indicate a pressure loss due to leakage during the pressure test period. OXYGEN SHALL NEVER BE USED.



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:			Name:		
Mail Address:			Mail Address:		
Town/City:	State:	Zip:	Town/City:	State:	Zip:
Phone:	Cell:		Phone:	Cell:	
E-Mail:			E-Mail:		
Location of Proposed Structure:			Type of Construction:		
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:			Total New Conditioned* Floor Area: <div style="border: 1px solid black; width: 150px; height: 20px; margin: 5px auto;"></div> ft ²		
Town/City:	County:				
Zone 5 <input type="radio"/> Cheshire, Hillsborough, Rockingham or Strafford except the town of Durham 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 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 _____		
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 type="checkbox"/> Propane (LP) <input type="checkbox"/> Electric <input type="checkbox"/> Wood <input type="checkbox"/> Other _____ Heating System Type: <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					
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)			Form Submitted by: <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		

02/11

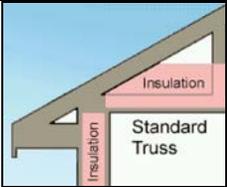
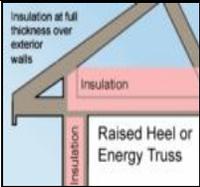
I hereby certify that all the information contained in this application is true and correct, and construction shall comply in all respects with the terms and specifications of the approval given by the Public Utilities Commission and with the New Hampshire Code for Energy Conservation in New Building Construction.

Signature _____ **Print Name** _____ **Date** _____

Official Use Only		
Date Complete Application Received:		Approved by:
Approval Number:		Date:
		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: _____

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. **Submit pages 1 and 2 only.** 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.

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.

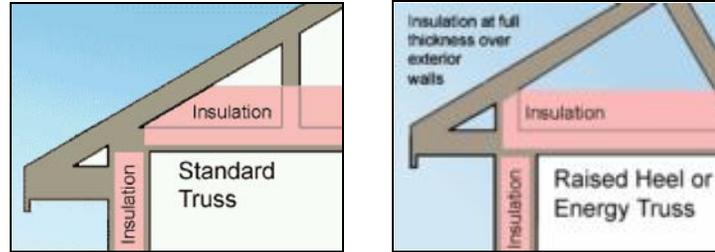
Building Section	Required R or U Values	YOUR PROPOSED STRUCTURE	
		Write Planned R and U Values	Brands / Models / insulation type and thickness (if known)
Window U Factor <i>(lower U is better)</i>	U .35 (maximum) U-.31 (if log walls) U .50 (Thermally Isolated Sunrooms only)	Write in U-Value	Window Type: <input type="radio"/> Low-e <input type="radio"/> Low-e Argon Check if: <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
Skylights	U .60		
Flat Ceilingⁱ <i>or</i> Flat Ceiling with Raised or Energy Trusses R-value	  R-38 (Zone 5) R-49 (Zone 6) if using the above construction technique R-30 (Zone 5) R-38 (Zone 6) if maintaining the full R value over the plates	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"/> 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 or 38 if more than 500 ft sq or 20% of total ceiling area R-24 (Thermally Isolated Sunrooms only)	Write in R-Value	<input type="checkbox"/> Check if Sunroom
Above Grade Wallⁱⁱ R-value	R-20 Cavity Insulation only <i>or</i> R-13 plus R-5 Cavity <i>plus</i> Continuous Insulation R-13 (Thermally Isolated Sunrooms only)	Write in R-Value	Log walls must comply with ICC400, have an average minimum wall thickness of 5" or greater and must have overall glazing of U-.31 or lower and heating AFUE of 90% (gas) or 84% (oil) and meet all other energy code requirements. 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 <i>or</i> Insulation sufficient to fill joist cavity	Write in R-Value	
Basement or Crawl Space Wall R Value	R-13 Cavity Insulation <i>or</i> R-10 Continuous Insulation (Zone 5) R-19 Cavity Insulation <i>or</i> 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) <i>add R-5</i> if the Slab is heated	Write in R-Value	
Air Sealing	Planned Air Sealing Test Method → By checking this box, I certify that I understand that I have 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.

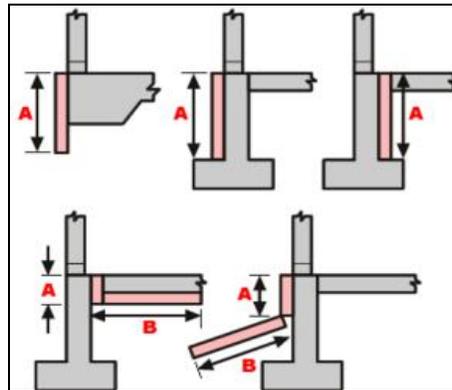


ⁱⁱ R-13 + R-5 means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25 percent or less of the exterior, R-5 sheathing is not required where the structural sheathing is placed. If structural sheathing covers more than 25 percent of exterior, the structural sheathing 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. <u>See page 4.</u></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>

	<p>Full size Attic or Basement Entry Doors</p>	<p>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.</p>
	<p>Duct Insulation Code section 403.2</p>	<p>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.</p>
	<p>Duct Construction Code sections 403.2.2 &.3</p>	<p>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.</p>
	<p>Duct Testing Code sections 403.2.2 &.3</p>	<p>Duct tightness shall be verified by testing unless the air handler and all ducts are located within the conditioned space. Test conducted by: _____</p> <p>Duct test result at 25 Pa: _____ Post construction or _____ Rough-in test</p>
	<p>Temperature Controls Code section 403.1 & .1.1</p>	<p>At least one thermostat must be provided for each separate heating and cooling system. Hot air systems must be equipped with a programmable thermostat.</p> <p>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</p>
	<p>Mechanical System Piping Insulation Code section 403.3</p>	<p>Mechanical system piping capable of conveying fluids at temperatures above 105°F or below 55°F must be insulated to R-3.</p>
	<p>Circulating Hot Water Systems Code section 403.4 & NH amendments</p>	<p>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.</p> <p>Circulating domestic hot water system piping shall be insulated to R-4.</p>
	<p>Mechanical Ventilation Code section 403.5</p>	<p>Outdoor air intakes and exhausts must have automatic or gravity dampers that close when the ventilation system is not operating.</p>
	<p>Equipment Sizing Code section 403.6</p>	<p>Heating and cooling equipment must be sized in accordance with Section M1401.3 of the <i>International Residential Code</i>.</p>
	<p>Certificate Code section 401.3</p>	<p>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.</p>

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