



# TOWN OF CHESTER



Building Department  
 84 Chester Street  
 Chester, NH 03036  
 Office- 603.887.3636 Cell- 603.370.0175  
 www.chesternh.org

## MAJOR BUILDING PERMIT

**24 Hour Notice Required for Inspections**

**Permit No.**

Street Address of Project	Zoning	<b>Map &amp; Lot</b>
<b>PROPERTY OWNER(S)</b>		
NAME		
ADDRESS		
PHONE	Email Address	
<b>CONTRACTOR</b>		
NAME		
ADDRESS		
PHONE	Email Address	
<b>GENERAL</b>		
Type of Construction	Total Square Footage	
Number of Stories	Size of Electrical Service Entrance	
Occupancy (per NFPA 101)	Bedroom Count	
Flood Exposures: Yes [ ] No [ ]	NHDES Septic Approval #	
Automatic Sprinklers: Yes [ ] No [ ]	Plans submitted to FD: Yes [ ] No [ ]	
<b>TOTAL ESTIMATED COST OF CONSTRUCTION: \$</b>		
<b>**PLANNING BOARD**</b>		
Subdivision Approval: Yes [ ] No [ ] Date	Notice of Decision attached: Yes [ ] No [ ] <b>Required</b>	
<b>**ZBA**</b>		
Notice of Decision attached: Yes [ ] No [ ]		
<b>**WETLANDS**</b>		
Any wetland crossings or setbacks: Yes [ ] No [ ]	Must include copy of NH DES permit	
Is this property subject to the Shoreland Protection Area: Yes [ ] No [ ]		
<b>APPLICANT</b>		
I acknowledge that I am responsible for conformance to the New Hampshire Building and Fire Codes and to the Chester building code and zoning ordinance. I am aware of the required structural tests and special inspections as outlined in the		

SEE REVERSE

2018 International Building Code, Chapter 17, as applicable. A foundation certification is required for all new construction. All setbacks from boundary and wetlands shall be shown on the site plan.

Stump burial on-site: stumps cleared from a site and buried on the same land are exempt from State law under Solid Waste Rules, provided the burial site is at least 75' from any drinking water supply.

Work must commence within 180 days, or if work is suspended or abandoned for 180 days, permit becomes void. Unless a written request, showing justifiable cause, for extension is granted prior to expiration. [R105.5]

**NH RSA 676:13, III** mandates a decision by the Building Inspector (approval or denial) on a residential application, upon receipt of a completed application, within 30 days. Decision on an application for commercial or residential more than 10 dwelling units must be rendered within 60 days.

Name (Print)	Signature	Date
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**TOWN OF CHESTER BUILDING DEPARTMENT**

Application Received By	Date
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Building Inspector	Date
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Approved [ ] Denied [ ]

All fields required; incomplete application may delay processing.

**Complete Application Packet MUST include:**

[ ] Site Plan – to include all boundary lines, setbacks, existing and/or proposed building(s), septic system, wetlands, well and other pertinent information to show compliance/ non-compliance with Chester Zoning Ordinances.

[ ] Construction Plans – two sets, scalable (min. 18”x 24”) {stamped by a NH licensed design professional if not meeting the prescriptive requirements of the International Residential Code}

[ ] EC-1 or Rescheck

[ ] Septic Install application with copy of installer’s certificate

[ ] Driveway Permit application– with copy of State permit (if applicable)

[ ] Roof Ventilation Calculation Sheet

[ ] Deck Design Sheet (if applicable)

[ ] Occupancy Permit application

**Other Required Permits:**

- Electrical
- Plumbing
- Mechanical

**Permits that MAY be required** (not an inclusive list):

Sign, home occupation, swimming pool, sprinkler system, woodstove, standby generator, gas, oil burner, masonry



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## DRIVEWAY PERMIT

Date **24 Hour Notice Required for Inspections**

### LOCATION

Address

[MAP](#)

[LOT](#)

Town road

State road (Must include copy of state permit)

### PROPERTY OWNER(S)

Name

Address

Phone

Email

### CONTRACTOR

Name

Address

Phone

Email

### REQUIRED DOCUMENTS:

- Site plan- to scale, to include all boundary lines, setbacks, proposed driveway, septic system, wetlands, well, etc. to show compliance/ non-compliance with Chester Zoning Ordinances.
- Driveway profile
- Layout showing sight distances- min. 200’\*

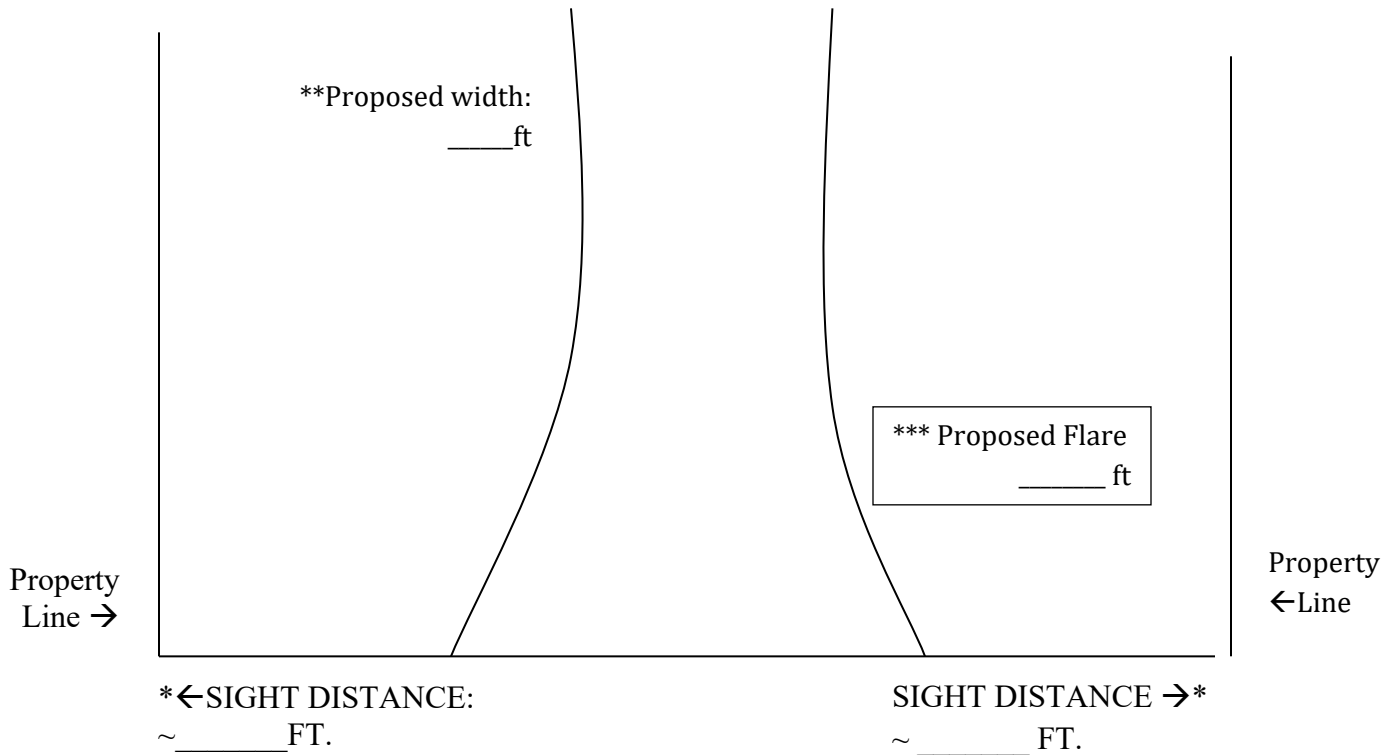
### Conditions:

- All loam and organic material shall be removed down to an acceptable subsurface
- Driveways shall be graded and have proper drainage to prevent runoff from entering any Town right-of-way.
- Culverts must be a minimum of twelve (12) inch ABS and shall extend at least four (4) feet out beyond the edges of the driveway.
- All culverts shall have precast concrete or cemented stone headwalls installed on each end.
- Minimum one (1) foot cover gravel over culvert.
- Driveway minimum width shall be twelve (12) feet, with additional cleared and unobstructed side-widths of two (2) feet for overall year-round width of sixteen (16) feet \*\*
- Driveway may flare to twenty-two (22) feet at roadway.\*\*\*
- Base must be at least twelve (12) inches of crushed gravel that meets the NHDOT Crushed Gravel 304.3.
- No driveway may have a slope of greater than 10% [Slopes greater than 8% must be certified]
- Driveways shall have a minimum vertical clearance of thirteen and a half (13.5) feet
- Driveways with lengths in excess of five hundred (500) feet shall provide means for Fire Department apparatus to turn around via a hammerhead or other approved means.

### Proposed Driveway Sketch

(Applicant to Complete)

Fill in all blank spaces on the drawing. **Dimensions shown must total actual street frontage of property.**



Cost Estimate		
REQUIRED INSPECTIONS		
ITEM	Date	Initials
Driveway Staked or Flagged		
Driveway roughed (base & sub-base)		
Final		
SIGNATURE		
Any Damage to Town or State road due to improper construction is the responsibility of the owner. Conditions of driveway permit must be met prior to issuance of Certificate of Occupancy. Per the Board of Selectmen fee schedule, a minimum fine of \$100 plus \$50 per day may be imposed for work started without a permit.		
Pursuant to NH RSA 236:13 and Town of Chester Driveway Regulations as adopted, I apply for permission to construct and/or alter a driveway entrance as described herein. I hereby agree to abide by the conditions listed above.		
<b>Applicant</b>		<b>Date</b>
**OFFICE USE ONLY**		
Received By		Date
Supervisor of Roads		Date
Building Inspector		Date
<input type="checkbox"/> Approved <input type="checkbox"/> Denied		

PERMIT No. \_\_\_\_\_

Amount \_\_\_\_\_ Check \_\_\_\_\_  
Date \_\_\_\_\_ Rec By \_\_\_\_\_



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## RESIDENTIAL OCCUPANCY APPLICATION

Before any structure located in Chester may be occupied a Certificate of Occupancy must be issued. This form must be completed and filed with the *Building Inspector*. Please allow thirty (30) days for processing.

**Today's Date**

**24 Hour Notice for Inspections**

Street Address of Project		Zoning	<b>MAP</b>	<b>LOT</b>
<b>BUILDING OWNER(S)</b>				
Name				
Address				
City/State/Zip				
Contact Person				
Phone		Email		
<b>HOUSE DESCRIPTION</b>				
No. of Floors	Garage: No. of stalls		Attached [ ] Detached [ ]	
No. of Bedrooms		Septic Size( # of Bedrooms)		
Basement Finished [ ] Unfinished [ ]				
<b>SIGNATURE</b>				
Applicant		Date	Phone	
<b>**OFFICE USE ONLY**</b>				
Application Received By			Date	
Building Inspector			Date	
<b>Granted [ ] Denied [ ] (If denied, a statement giving reason(s) must be attached)</b>				



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## Permit: Install, Repair or Replace – Septic Tank and/or Absorption Field

### PERMIT #

Address of Installation		<b>Map &amp; Lot</b>
[ ] New System [ ] Repair of System [ ] Replacement		
OWNER INFORMATION		
Name		
Address		
Phone	Email	
INSTALLER INFORMATION		
Name	[ ] Copy of Installer's Permit (required)	
Address		
Phone	Email	
GENERAL INFORMATION		
Dig Safe Ticket Number	State Approval Number	
Size of tank(s)	Size of leach field	
Date of test pit	Distance to seasonal high water table	
THE FOLLOWING INSPECTION AND SUBMITTAL ARE REQUIRED PRIOR TO OPERATION		
Basal area [ ] Pass [ ] Fail {Completed by Building Inspector}		
Approval for Operation {Issued by NHDES} Received [ ]		
<i>It is the responsibility of the owner and/or installer to notify the appropriate Inspector when ready for each inspection.</i>		
SIGNATURES		
<b>Applicant</b>	<b>Date</b>	
*OFFICE USE ONLY*		
Application Received By	Date	
Building Inspector	Date	
[ ] Approved [ ] Denied		

PERMIT No. _____	Amount _____ Check _____ Date _____ Rec By _____
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**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

<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"/> 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:					
Town/City:	County:				
<b>Zone 5</b> <input type="radio"/> Cheshire, Hillsborough, Rockingham Strafford  <b>Zone 6</b> <input type="radio"/> All other NH counties <b>and town of Durham</b>			<b>Total New Conditioned* Floor Area:</b>		
			_____ ft <sup>2</sup>		
			<b>Basement or Crawl Space type:</b> (*a conditioned space is one being heated/cooled, containing uninsulated ducts or w/ a fixed opening into conditioned space. Walls must be insulated) <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>Structure is EXEMPT because:</b>			<b>Form Submitted by:</b>		
<input type="checkbox"/> Mobile Home <input type="checkbox"/> On an historic register			<input type="checkbox"/> Owner <input type="checkbox"/> Builder <input type="checkbox"/> Other _____		

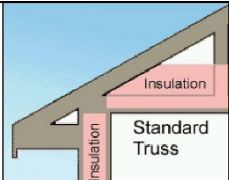
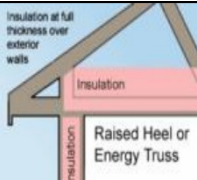
I hereby certify that all the information contained in this application is true and correct, and construction shall comply in all respects with the terms and specifications of the approval given by the local municipal code official or New Hampshire Department of Energy.

**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>	

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 1,2 and 3 only.**

**YOUR PROPOSED STRUCTURE**

Building Section	Required R or U Values	Write Planned R and U Values		Brands / Models / insulation type and thickness (if known)
		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 .30</b> (maximum) U-.32 (if log walls in Zone 5) U-.30 (if log walls in Zone 6) <b>U .45</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 .55</b> (or less) <b>U .70</b> (Thermally Isolated Sunrooms only)			
<b>Flat Ceiling<sup>i</sup></b>  <i>or</i> <b>Flat Ceiling with Raised or Energy Trusses R-value</b>	 <b>R-49</b> (Zone 5 or 6) if using the above construction technique  <b>R-49</b> if log walls	 <b>R-38</b> (Zone 5 or 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-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. <b>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.</b>  <input type="checkbox"/> <i>By checking this box, I certify that this structure is being built with a raised energy truss or that the full R-value of the ceiling insulation will be maintained over the outside plates.</i>
<b>Sloped or Cathedral Ceiling</b>	<b>R-30</b> (Zone 5 & 6) if less than 500 ft sq or 20% of total ceiling area or as above <b>R-24</b> (Thermally Isolated Sunrooms only)	Write in R-Value		Check if <input type="checkbox"/> Sunroom
<b>Above Grade Wall<sup>ii</sup> R-value</b>	<b>Zone 5:</b> <b>R-20</b> Cavity Insulation only <i>or</i> <b>R-13 plus R-5</b> Cavity plus Continuous Insulation <b>R-13</b> (Thermally Isolated Sunrooms only)	<b>Zone 6:</b> <b>R-20 plus R-5</b> Cavity plus Continuous Insulation <i>or</i> <b>R-13 plus R-10</b> Cavity plus 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 .30</b> (maximum)	Write in U-Value		One opaque door in the thermal envelope is exempt from the U-factor requirement.
<b>Floor R Value</b> (e.g., floor over Basement or garage)	<b>R-30</b> <i>or</i> Insulation sufficient to fill joist cavity minimum R-19	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 <b>Slab Edge</b> (if ≤ 1' of grade)
<b>Basement or Crawl Space Wall R Value</b>	For both Zone 5 and Zone 6 <b>R-19</b> Cavity Insulation or <b>R-15</b> Continuous Insulation	Write in R-Value		

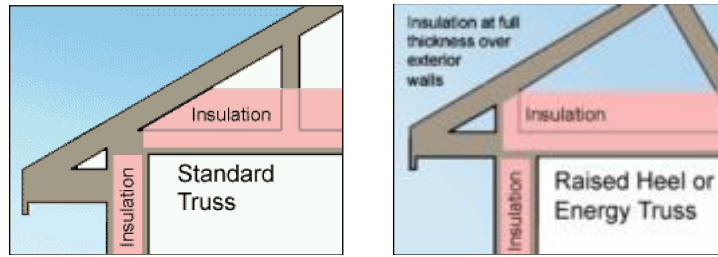


<b>Slab Edge<sup>iii</sup> R Value</b>	<b>R-10 2'</b> (Zone 5) <b>4'</b> (Zone 6) (see drawing pg 3) <b>add R-5</b> if the Slab is heated or <b>R-15</b> under entire heated slab if a log home.	<b>Write in R-Value</b>	Check if <input type="checkbox"/> <b>Heated Slab</b>
<b>Air Sealing</b>	A blower door test is <b>required</b> . The test must demonstrate an air exchange rate of <i>three</i> 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 1,2 and 3 to local municipal code official or NH Department of Energy at [energycodes@energy.nh.gov](mailto:energycodes@energy.nh.gov)  
Phone: 603.271.3670 Fax: 603.271.3878

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

<sup>i</sup> 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.

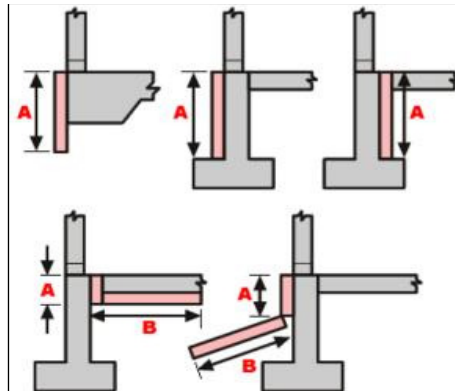


<sup>ii</sup> R-20 + R-5 means R-20 cavity insulation plus R-5 continuous insulation. If structural sheathing covers 25 percent or less of the exterior, R-5 sheathing is not required where the structural sheathing is placed. If structural sheathing covers more than 25 percent of exterior, the structural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

<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 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.**

	<p align="center"><b>Air Leakage</b> Code Section N1102.4</p>	<p>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.</p> <p>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<sup>rd</sup> party to conduct the test.</p>
	<p align="center"><b>Testing</b> Code Section N1102.4.1.2</p>	<p>The Blower Door Test is the required method to demonstrate code compliance with the air leakage requirement.</p> <p>Blower Door Test conducted by: _____</p> <p>Result (at 50 Pa): _____CFM Interior Volume_____ CF _____ACH</p>
	<p align="center"><b>Fireplaces</b> Code Section N1102.4.2</p>	<p>New wood-burning fireplaces shall have tight-fitting flue dampers or doors and outdoor combustion air.</p>
	<p align="center"><b>Recessed Lighting</b> Code Section N1102.4.5</p>	<p>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.</p>
	<p align="center"><b>High-Efficacy Lighting</b> Code Section N1104.1</p>	<p>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.</p>
	<p align="center"><b>Materials and Insulation Identification</b> Code Section N1101.5 and N1101.10</p>	<p>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.</p>
	<p align="center"><b>Pull-Down Attic Stairs, Attic Hatch, and Knee Wall Doors</b> Code Section N1102.2.4</p>	<p>Should be insulated to a level equal to the surrounding surfaces and tightly sealed and weather-stripped at the opening.</p>
	<p align="center"><b>Full size Attic or Basement Entry Doors</b> Code Section N1102.3.4</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 meeting the U-factor requirement. One door is exempt.</p>
	<p align="center"><b>Duct Insulation</b> Code Section N1103.3.1</p>	<p><b>Supply and return</b> 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.</p>

	<p><b>Duct Construction</b> Code Sections N1103.3.2 and N1103.3.5</p>	<p>Ducts, air handlers and filter boxes shall be sealed. Joints and seams must comply with the <i>Int. Mech. Code</i> or Section M1601.4.1 of the <i>International Residential Code</i>. Building framing cavities <b>shall not</b> be used as ducts or plenums (neither supply nor return).</p>
	<p><b>Duct Testing</b> Code Sections 1103.3.3</p>	<p>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 sqft of conditioned floor area with air handler installed or 4 CFM per 100sqft without the air handler installed. Post Construction: Ducts must be no leakier than 8 CFM per 100 sqft of conditioned floor area. See Code for further requirement details.</p> <p>Test conducted by: _____</p> <p>Duct test result at 25 Pa: _____ Post construction or _____ Rough-in test</p>
	<p><b>Temperature Controls</b> Code Section N1103.1&amp;1.1</p>	<p>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 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><b>Mechanical System Piping Insulation</b> Code Section 1103.4</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><b>Circulating Hot Water Systems</b> Code Section N1103.5</p>	<p>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 pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.</p> <p>Circulating domestic hot water system piping shall be insulated to R-3.</p>
	<p><b>Mechanical Ventilation</b> Code Section N1103.6</p>	<p>The building shall be provided with ventilation that meets the requirements of Section M1507 of this code or the International Mechanical Code, as applicable, or with other approved means of ventilation. Outdoor air intakes and exhausts must have automatic or gravity dampers that close when the ventilation system is not operating.</p>
	<p><b>Equipment Sizing</b> Code Section N1103.7</p>	<p>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.</p>
	<p><b>Certificate</b> Code Section N1101.14</p>	<p>A permanent certificate, completed by the builder or registered design professional, must be posted on a wall in the space where the furnace is located, in a utility room or on the electrical distribution panel. It must list the R-values of insulation installed in or on the ceiling, walls, foundation, slab and ducts outside the conditioned spaces; U-factors and SHGC for fenestration; results from any required duct system test and building envelope air leakage testing performed on the building. The certificate must also list the type and efficiency of heating, cooling and service water heating equipment.</p>
	<p><b>Existing Buildings and Structures</b>  See <b>Appendix J</b> of IRC</p>	<p>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 work in existing buildings.</p>

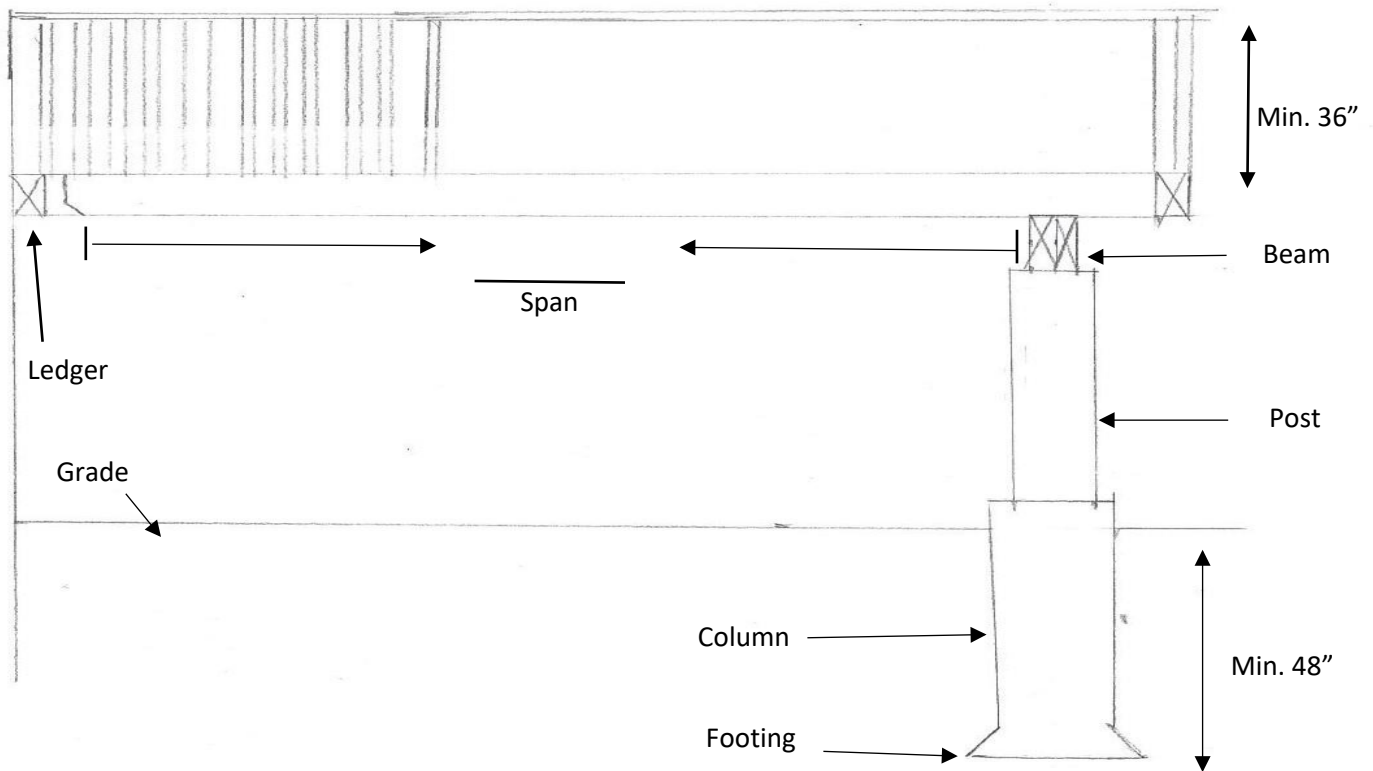
# Deck Details

For A One or Two Family Residential Structure

Applicant	Phone	Email
Address	Note: Any Truss or Engineered materials must include load calculation printout.	Must be designed to 60 psf live load.

Size of Deck: STYLE: [ ] With Overhang [ ] Without Overhang

<b>Footing</b> Material: Size:	<b>Column</b> Material: Size: Spacing:	<b>Beam</b> Material: Size:	<b>Joists</b> Material: Size: Spacing:
<b>Post</b> Material: Size: Spacing:	<b>Ledger Connectors</b> Material: Size: Spacing:	<b>Decking:</b> Material: Size: Joist Spacing Requirement:	<b>Overhang Dimension:</b>
<b>Stair Stringer</b> Material: Size: Spacing:	<b>Stair Riser</b> Material: Size:	<b>Stair Tread</b> Material: Size:	<b>Height of Deck Above Grade:</b>
<b>Lateral Load Device Part #</b>	<b>Post/Column Connector Part #</b>	<b>Post/beam Connector Part #</b>	<b>Joist Hanger Part #</b>



**Other Requirements\***

ITEM	Code Reference	Requirement
Stair Riser	R311.7.5.1	Not > 7 ¾"
Stair Tread	R311.7.5.2	Not < 10"
Stair Width	R311.7.1	Not < 36"
Guard Height	R311.7.8.1	34-38" above stair nosing
Handrail Detail	R311.7.8	One side, ends returned

\*This list is not to be considered complete as not all specific requirements are listed here.

# ROOF VENTILATION CALCULATION (R806) 2015 International Residential Code ®

For A One or Two Family Residential Structure

Applicant	Phone	Email
Project Address		

## MATERIALS (manufacturer and part number)

Soffit:	Ridge:
Sq In of Vent provided: _____ per _____	Sq In of Vent provided: _____ per _____

Area of Main Attic: \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ square feet  
 Area of Attic: \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ square feet  
 Area of Attic: \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ square feet  
 Area of Attic: \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ square feet  
 Sum = \_\_\_\_\_ square feet

Minimum net free venting are to be 1/150 of above sum \_\_\_\_\_ square feet x 144= \_\_\_\_\_ sq in (A)  
 (can be 1/300 if min 40% - max 50% of vent is provided in upper 3' of roof)

Lineal feet of Soffit: \_\_\_\_\_ x depth of soffit: \_\_\_\_\_ = square feet of soffit= \_\_\_\_\_  
 Lineal feet of Ridge: \_\_\_\_\_

(B) Soffit vent provided \_\_\_\_\_ (C) Ridge vent provided \_\_\_\_\_ (D) Total \_\_\_\_\_ (B+C=D)  
 [D must be greater than A]

Area of Other Attic: \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ square feet (not communicating with area above)

Minimum net free venting are to be 1/150 of above sum \_\_\_\_\_ square feet x 144= \_\_\_\_\_ sq in (A)  
 (can be 1/300 if min 40% - max 50% of vent is provided in upper 3' of roof)

Lineal feet of Soffit: \_\_\_\_\_ x depth of soffit: \_\_\_\_\_ = square feet of soffit= \_\_\_\_\_  
 Lineal feet of Ridge: \_\_\_\_\_

(B) Soffit vent provided \_\_\_\_\_ (C) Ridge vent provided \_\_\_\_\_ (D) Total \_\_\_\_\_ (B+C=D)  
 [D must be greater than A]

If additional calculations are needed, use additional page(s).