

TOWN OF ESSEX CERTIFICATE OF OCCUPANCY APPLICATION

DATE OF REQUEST: 9/8/2025 FEE: \$115.00 pd NO. 2024-82
(includes recording) 2025-88 Renewal

MAP/PARCEL/LOT: 2-014-014-000

The undersigned herewith requests an inspection of the premises and the issuance of "Certificate of Occupancy" of premises, or portion thereof, for use or habitation.

Issued to Amanda LaGrone on 5/20/2024: 6/24/25

Premises are at 83 Saunmill Rd

Water service installation inspected and approved by Spafford + Sons

Driveway location inspected and approved by Public Works

Sanitary sewer connection or septic system inspected and approved by:

Name: Greiner Engineering Date: 3/11/21

Construction was begun 8/10, 2024 and completed 9/1, 2025

Approval granted by DRB PC ZBA on _____, 20____.

Use of premises intended 3 bedroom SFD NO Accessory Dwelling (removed to accommodate SFD.)
(type of use)

Applicant's Signature: [Signature]

Phone: _____ Cell: 802-734-8361 Email: AL2287@Cornell.edu

By issuance of this Occupancy Permit, the Town of Essex Zoning Administrator hereby acknowledges that the use and/or building construction is in complete conformity with the Zoning Regulations, unless otherwise noted. Field measurements and similar dimensions for setbacks are based in part on evidence supplied by owner. The Town of Essex is not liable for errors or mistakes when it is found that information submitted by the applicant is erroneous or inaccurate.

Certificate of Occupancy has been approved with _____ without conditions.
If with conditions, see attachment outlining same.

Certificate of Occupancy denied _____. Please see attachment with reasons for denial.

9-10-25
Date

[Signature: Sherran Kelley]
Zoning Administrator

2024 Vermont Residential Building Energy Standards (RBES) Certificate (Page 1 of 2)

This certificate is for projects started on or after July 1, 2024.
Before completing this form, refer to the instructions in Chapter 9 of the Residential Energy Code Handbook (Sixth Edition).
For additions, alterations, renovations, or repairs, fill out only the applicable portions of certificate.

83 Sawmill Rd, Jericho, VT 05465
Property Address (Street, City, ZIP Code)

8/1/2024 Construction START Date 9/1/2025 Construction FINISH Date Act 250 (Y/N) Act 250 Permit #

1 # Units 2 # Stories 2700 # Conditioned Sq. Ft. 3 # Bedrooms

Foundation Type: Basement Slab On Grade Crawl Space Other

Essex, Vermont Town Clerk's Office
SEP 08, 2025 03:30 PM

Received for record and recorded in
book: 1116 on page: 680 - 681

Of Essex Land Records
Attest: Nanette Rogers
Town Clerk

Applicable Code Base Stretch

Project Description

Single Family Renovation/Alteration* Multi-family Addition* Tiny House

*Existing home project description: addition to existing 2 story garage with living space above

Compliance Method
MUST select Option 1,
Option 2, or Option 3

Option 1: Package-Plus-Points
BASE / STRETCH (circle one)
Package: Std. / Log / Tiny Hse. (circle one)
Points required: 10
Points achieved: 34
(Base requires up to 10pts / Stretch up to 15pts; See Handbook Tables 5-2 and 5-5)
Reference RBES for full requirements of each point option

Option 2: REScheck software
(cannot be used for Stretch Code)
Passes _____
UA result _____
Max. UA _____

Option 3: HERS/ERI
_____ HERS Result (Overall)
_____ HERS without Renewables
_____ HERS software used, version #
 IAF incorporated into model
Approved rater name: _____
(Maximum IERS 60 Base, 59 Stretch)

I certify to Ben Depo and Amanda Lacroix Depo (Owner) that the above information is correct and that the premises listed have been constructed in accordance with the Vermont Residential Building Standards (RBES) created under 30 V.S.A. § 51.

Date: 9/7/2025
Signature: Brian Vorse Printed Name: Brian Vorse
Company: Vorse Construction & Design, Inc Phone: 802-497-1062

30 V.S.A. § 51 requires this certificate label to be permanently affixed to the inside electrical service panel or heating or cooling equipment or nearby in a visible location. Copies of the certificate (and Home Energy Rating Certificate if Option 3 is used) also must be provided to 1) the Dept. of Public Service, 112 State St., Montpelier, VT 05602, and 2) the town clerk of the town where the property is located.

NOTE: Noncompliance with RBES may result in action for damages under 30 V.S.A. § 51. This label does not specify all 2024 RBES requirements. QUESTIONS? CALL the Energy Code Assistance Center at 855-887-0673 or the VT PUBLIC SERVICE DEPARTMENT at 802-828-2811.

Town clerk recording stamp:
SPAN # _____

2024 Vermont Residential Building Energy Standards (RBES) Certificate

Building Technical Details (Page 2 of 2)

This certificate is for projects started on or after July 1, 2024.
 Before completing this form, refer to the instructions in Chapter 9 of the Residential Energy Code Handbook (Sixth Edition).
 For additions, alterations, renovations, or repairs, fill out only the applicable portions of certificate.

For use with the Package Plus Points compliance method only:

- Envelope: Slab, R-20 around perimeter and below entire slab (2 pts)
- Envelope: Walls-R-28 2x6 cavity insulation with continuous (1 pt)
- Envelope: Walls- R-35 double stud or similar (cavity and continuous) (2 pts)
- Envelope: Walls- R-40 double stud or similar (cavity and continuous) (3 pts)
- Envelope: R-48 SIP 10 1/4" XPS or similar (cavity and continuous) (4 pts)
- Envelope: Ceiling, R-60 flat /49 sloped (1 pt)
- Envelope: Ceiling, R-80 flat / 60 sloped (2 pts)
- Envelope: Floors- exposed, R-19 (1pt)
- Envelope: Windows 0.27 (1 pt)
- Envelope: Windows 0.25 (2 pts)
- Envelope: Windows 0.21 (3 pts)
- Envelope: Windows 0.18 (4 pts)
- Envelope: Doors - exterior, 0.26 (1 pt)
- ≤0.11 CFM50/Sq.Ft. (~1.5 ACH50) (1 pt)
- ≤0.07 CFM50/Sq. Ft. (~1.0 ACH50) (2 pt)
- ≤0.03 CFM50/Sq. Ft. (~0.5 ACH50) (3 pt)
- Balanced ventilation with ECM fans and ≥80% SRE and ≥1.2 cfm/watt (3 pts)
- Balanced ventilation with ECM fans and ≥75% SRE, and ≥2.0 cfm/watt (3 pts)
- Mechanical ventilation testing (1 pt)
- ENERGY STAR basic equipment (1 pt)
- HVAC (whole building) ENERGY STAR v. 6 (5 pts)
- HVAC (whole building) is GSHP and ENERGY STAR labeled (10 pts)
- HVAC (whole building) is ATWHP COP≥2.5 (5 pts)
- Whole building heating/cooling is Advanced wood heating system (<http://www.rerc-vt.org>) (5 pts)
- Hydronic distribution system meets building peak heating demand with 120-degree water (1 pt)
- All electric heating thermostats provided with demand responsive controls (1 pt)
- Electric Heat Pump Water Heater UEF ≥ 2.20 (3 pts)
- Electric Heat Pump Water Heater UEF ≥ 3.30 (5 pts)
- All showerheads ≤ 1.75 gpm, all lavatory faucets ≤ 1.0 gpm, and all toilets ≤ 1.28 gpf (1 pt)
- Certified water efficient design per WERS, WaterSense, or RESNET HERSI20 (2 pts)
- Drain water heat recovery system on primary showers and tubs (1 pt)
- Controlled hot water recirculation system with user-demand via push-button for furthest fixtures (1 pt)
- All service hot water piping is insulated to at least R-1 from the hot water source to the fixture shutoff (1 pt)
- Electric storage water heater(s) provided with demand responsive controls (1 pt)
- Remote fixtures requiring hot water supplied from a localized source of hot water with no recirculating system (1 pt)
- Follow R402.7 Solar-ready zone requirements (Base Code only) (2 pts)
- Solar hot water system designed to meet at least 50% of the annual hot water load (2 pts)
- Solar PV (or other on-site renewable energy system), (1 pt per 1.5 kW, max. 4 pts)
- Whole building energy monitoring system installed, minimum 5 circuits & homeowner access to data (1 pt)
- Radon mitigation system (1 pt)
- Building energy model with projected annual energy use and costs developed, used in design and construction decisions, and provided to homeowner (1 pt)
- Minimum 6 kWh grid-connected dispatchable demand-response-enabled battery (1 pt)
- Advanced lighting controls (2 pts)
- Insulation embodied carbon emissions calculated (1 pt)
- Insulation embodied carbon emissions: calculated GWP intensity (kg CO2e/sq. ft.) less than 0.5. (2 pts)
- Insulation embodied carbon emissions: calculated insulation GWP intensity (kg CO2e/sq. ft.) less than 0. (3 pts)
- Multifamily: Efficient elevator equipment (1 pt)
- Multifamily: Residential kitchen equipment (2 pts)
- Multifamily: Water heating system submeters (1 pt)

Thermal Envelope

Basement R- 20 Basement / Crawl Space Walls 9 Basement Insulation Depth (ft) U- Basement Windows NFRC Default

Slab R- Unheated Slab (Under) R- 15 Heated Slab (Under) R- 20 Perimeter Slab Edge

Wall/Ceiling R- 28 Above-Grade Walls R- 60 Flat Ceilings Area (sq ft) R- Sloped Ceilings Area (sq ft)

Other R- Floors over Unheated Spaces R- 60 Attic Access Hatch / Door NA U- Skylights NFRC Default

Fenestration U- .24 Windows NFRC Default U- .27 Doors NFRC Default

Air Sealing/Blower Door Test

 CFM50 Date of test 9/5/25

1.9 ACH50 Air Leakage Tester Name: Builders Insulation

 CFM50/sq ft of building shell (6 sides)

Ventilation System

Balanced, SRE 72 % cfm/watt: 130/1 Flow verification: Rated, OR Measured Exhaust airflow (total cfm)

Supply airflow (total cfm): 126

Other Flow verification: Rated, OR Measured Exhaust airflow (total cfm)

Combustion Safety (verify all)

- Exterior (outdoor) air supply is provided for solid fuel-burning appliances & fireplaces, OR NA (no solid fuel burning appliance or fireplace in home)
- Solid fuel burning appliances & fireplaces have gasketed doors with compression closure, OR NA (no solid fuel burning appliance or fireplace in home)

Mechanical System (must complete all)

Spillage testing conducted on combustion equipment not directly-vented, OR NA (no equipment, or all equipment directly-vented)

Design Load Calculation Method: ACCA Manual J, OR Other Approved Method (List)

Calculation details: (Ref. RBES R302 for design temperature exceptions)

<u>-20</u> Winter design temp, outdoor dry-bulb (VT range: -11 to 1°F)	<u>90</u> Summer design temp, outdoor dry-bulb (typ. max. 84°F), OR	<input type="checkbox"/> No cooling
<u>75</u> Winter design temp, indoor (max 72°F)	<u>70</u> Summer design temp, indoor (min. 75°F), OR	<input type="checkbox"/> No cooling
<u>85,200</u> Heating design load, Btu/hr	<u>49,000</u> Cooling design load, Btu/hr, OR	<input type="checkbox"/> No cooling
<u>90,000</u> Primary heating system size, Btu/hr	<u>54,000</u> Primary cooling system size, Btu/hr, OR	<input type="checkbox"/> No cooling
<u>98</u> HSPF or COP or AFUE (circle which)	<u>17</u> SEER or COP (circle which), OR	<input type="checkbox"/> No cooling

System type (ducted, hydronic, heat pump, space heater) Ducted gas hot air & heat pump

Fuel type Propane

Programmable thermostat, OR Exempt; list reason

Ducts

Ducts located within conditioned spaces, OR NA (no ducts)

Other

Mandatory (Base and Stretch): Automatic or gravity dampers for ventilation system intake and exhaust

Mechanical system piping, min. R-4 Single-family: One Level 2 capable EV-charging parking space

100% of lamps high efficacy Multi-family: One Level 2 capable EV-charging parking space

Mandatory (Stretch Code Only): Single-family: Solar ready 25% of provided spaces not utilized by dwelling units, or 40 spaces are Level 2 capable EV-charging

Where applicable: Circulating service hot water controlled Pools: All requirements per R403.10 are met Automatic controls for snow-melt systems