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# TOWN OF ESSEX CERTIFICATE OF OCCUPANCY APPLICATION

DATE OF REQUEST: 11/6/19 FEE: <sup>90</sup>~~\$85.00~~ perms (includes recording)

MAP/PARCEL/LOT: 2051014006 NO. 2018-214

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.

- This request is for use only of existing land or buildings.
- This request is for new construction or rehabilitated or altered structure which was done under authority of zoning permit # 2018-214

issued to Jenicho Road Associates on 10-10-18

Premises are at 54 Chase Court

Water service installation inspected and approved by Public Works

Driveway location inspected and approved by Public Works

Sanitary sewer connection or septic system inspected and approved by:

Name: \_\_\_\_\_ Date: Public Works

Construction was begun Nov 1, 2018 and completed Nov-5, 2019

Approval granted by  P.C. or Z.B.A. on \_\_\_\_\_, 2017

reference PC  
Approval #  
PC: 2017-27

Use of premises intended 3 Bedroom Townhouse, Attached 2 car Garage open porch, Dec  
(type of use) unfinished Basement

Applicant's Signature: Thomas E. Clure Telephone: 802-658-6310 Cell: 802-316-9537  
Partner

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.

11/14/19  
Date

Sharon J. Kelley  
Zoning Administrator



Vermont Department of Public Safety  
**DIVISION OF FIRE SAFETY**  
 Office of the State Fire Marshal, State Fire Academy and State Haz-Mat Team  
 firesafety.vermont.gov



Barre Regional Office  
 1311 U.S. Route 302 - Berlin, Suite 500  
 Barre, VT 05641  
 [phone] 802-479-4434  
 [fax] 802-479-4446

Rutland Regional Office  
 56 Howe Street, Building A, Suite 200  
 Rutland, VT 05701-3449  
 [phone] 802-786-5867  
 [fax] 802-786-5872

Williston Regional Office  
 380 Hurricane Lane, Suite 101  
 Williston, VT 05495-2080  
 [phone] 802-879-2300  
 [fax] 802-879-2312

Springfield Regional Office  
 100 Mineral Street, Suite 307  
 Springfield, VT 05156-3168  
 [phone] 802-885-8883  
 [fax] 802-885-8885

**FIRE INSPECTION RESULTS**

Site Id: 100532

**Structure Information**

Name: Jericho Road Associates Address: 48 / 54 Chase Court  
 Structure Id: 100532 ESSEX, VT 05452

**Owner Information**

Owner: Jericho Road Associates (N 107502) Address: 66 Bowdoin Street  
 eMail: tchase@neagleychase.com Suite 100  
 Phone: 802-658-6320 S BURLINGTON, VT 05403

**Building Description**

Risk Index: M1	Smoke Det: Yes	Occupants:	Units: 2
Const Type:	CO Detect: Yes	Stand Pipe:	Floors: 2
Occ Type: R3	Fire Alarm:	Sprinkler:	Sq Feet: 2911

**Project Description**

Name: NEW DUPLEX (\$509K) - SEPTEMBER 2018  
 Type: Building Project Received: 09/27/2018 Workitem Id: 427862

**Inspection Detail**

Insp Date: 11/06/2019 Insp Type: Occupancy Violations:  
 Comply By: Occ Granted: Yes Hazard Index: Level 1  
 Inspector: JESSE DOBIECKI (S 83527)

**Violations and Notes**

Occupancy granted

# 2015 Vermont Residential Building Energy Standards (RBES) Certificate

This certificate is for projects started on or after March 1, 2015.

Before completing this form, refer to the instructions in Section 8.2a of the Residential Energy Code Handbook (4th edition).

For additions, alterations, renovations or repairs, only fill out applicable portions of certificate.

Property Address (Street, City, ZIP Code) 54 Chase Ct, Essex 4C1032   
Act 250 Permit # NA

Electric Utility serving this address Green Mountain Power Construction START Date November 2018 Construction FINISH Date November 2019

# Units 2 # Stories 2 # Conditioned Sq. Ft. 2029 # Bedrooms 3

Foundation Type:  Basement  Slab On Grade  Crawl Space

## Project Description

- Single Family  Renovation / Alteration  
 Multi-family  Addition  
 Log Home  Stretch Code

Existing Home Project Description: \_\_\_\_\_

## Thermal Envelope

R- 15 Basement / Crawl Space Walls 7.5' Basement Insulation Depth (ft) U- .50 Basement Windows  NFRC  Default  
R- 0 Unheated Slab R- 38 Floors over Unheated Spaces R- NA Sloped Ceilings NA Area (Sq. Ft.)  
R- NA Heated Slab R- 21 Above-Grade Walls R- 60 Flat Ceilings NA Area (Sq. Ft.)  
R- NA Perimeter Slab Edge U- .14 Doors  NFRC  Default U- NA Skylights  NFRC  Default  
U- .25 Windows  NFRC  Default R- 38 Attic Access Hatch / Door

## Air Sealing

Verified by:  Testing ACH50 CFM50  Visual Inspection

## Ventilation System

Exhaust  Balanced Air Flow: CFM  Rated  Measured

## Mechanical System

Calculation Method:  ACCA Manual J 8th Edition Other \_\_\_\_\_

Primary Heating System Size (Btuh) 77k Primary Central Cooling System Size (Btuh) \_\_\_\_\_  NA  
Calculated Heat Loss (Btuh) \_\_\_\_\_ Calculated Heat Gain (Btuh) \_\_\_\_\_  Programmable Thermostat  
AFUE or HSPF Efficiency 95% SEER or COP Efficiency \_\_\_\_\_  Heat Pump Supplementary Heat Control  
No Heat Pump Supplied

## Ducts

Ducts located within conditioned space

R- 38 Supply Ducts garage ceiling Location 0 Duct Tightness (CFM @ 25 Pa.)  
R- 38 Return Ducts garage ceiling Location Test Performed at  Rough-in  Post-construction

## Combustion Safety

- Spillage testing conducted on combustion equipment not directly-vented  
 Solid fuel burning appliances and fireplaces have gasketed doors with compression closure  
 Exterior air supply requirements met for solid fuel-burning appliances and fireplaces

NA

## Other

- Mechanical System Piping, R-3  Automatic time switches for pool heaters  
 Circulating service hot water piping, R-3  Pool cover for all heated pools  
 Automatic or Gravity dampers  75% of lamps in permanently installed fixtures are high efficacy  
 Automatic controls for snow-melt systems  Electric vehicle charging parking spaces (for multifamily buildings under stretch code)  
 Accessible on-off switches for pool heaters

## Compliance Method Used

Prescriptive  Package # \_\_\_\_\_  REScheck Software Maximum UA \_\_\_\_\_ Your UA \_\_\_\_\_

REScheck Version 4.6.5  Home Energy Rating Rating Score \_\_\_\_\_ Rated by \_\_\_\_\_

I certify to Christina & Anthony McGill (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.

Signature Thomas E. Chase Print Name Thomas E. Chase  
partner

Company Jericho Road Associates Phone 802-658-6320 Date November 12, 2019

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 also must be provided to 1) the Dept. of Public Service, Planning & Energy Resources Division, 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 2015 RBES requirements. QUESTIONS? CALL THE VT PUBLIC SERVICE DEPARTMENT: 802-828-2811.



# REScheck Software Version 4.6.5 Compliance Certificate

Project Chase Gardens

Energy Code: **2009 IECC**  
Location: **Chittenden, Vermont**  
Construction Type: **Single-family**  
Project Type: **New Construction**  
Conditioned Floor Area: **4,086 ft<sup>2</sup>**  
Glazing Area: **10%**  
Climate Zone: **6 (7066 HDD)**  
Permit Date:  
Permit Number:

Construction Site:  
Chase Gardens  
48 & 54 Chase Court  
Essex, VT 05452

Owner/Agent:  
Jericho Road Associates  
66 Bowdoin St.  
Suite 100  
South Burlington, VT 05403

Designer/Contractor:

Compliance: Passes using UA trade-off

Compliance: **14.4% Better Than Code**

Maximum UA: **598** Your UA: **512**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules. It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

## Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
Ceiling 1: Raised or Energy Truss	2,396	60.0	0.0	0.017	41
Wall 1: Wood Frame, 24" o.c.	4,950	21.0	0.0	0.056	244
Window 1: Vinyl/Fiberglass Frame:Double Pane with Low-E	417			0.250	104
Door 1: Solid	40			0.140	6
Door 2: Glass	80			0.290	23
Door 3: Solid	57			0.220	13
Basement Wall 1: Solid Concrete or Masonry Wall height: 7.6' Depth below grade: 7.6' Insulation depth: 7.6'	795	15.0	0.0	0.051	40
Window 2: Vinyl/Fiberglass Frame:Double Pane with Low-E	16			0.250	4
Basement Wall 2: Solid Concrete or Masonry Wall height: 7.6' Depth below grade: 7.6' Insulation depth: 7.6'	240	6.0	0.0	0.080	19
Floor 1: All-Wood Joist/Truss:Over Unconditioned Space	694	38.0	0.0	0.026	18

Project Title: Chase Gardens

Data filename: C:\Users\Michelle\Documents\Projects\Chase-Jericho Road\Construction Doc\A-unit\rescheck stretch.rck

Report date: 10/28/19

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**Compliance Statement:** The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2009 IECC requirements in REScheck Version 4.6.5 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Michelle Dufresne Architect  
Name - Title

Michelle Dufresne  
Signature

10/28/19  
Date