

GROUNDSWELL

A R C H I T E C T S

Groundswell Architects supports both our enduring use of the earth as an integral design element of all building projects and the ground swell of public interest in higher environmental and ecological thinking.

Our buildings are designed from the heart to touch and inspire the human spirit. We strive to make our projects structurally and thermally efficient. We use materials and methods consistent with good ecological practices and seek socially responsible attitudes in choices of contractors and subcontractors.

In our twenty years of business, we have designed and planned over 2,500,000 square feet of new and renovated building space at an estimated construction value of \$125 million.

Design innovations are our hallmark. Our office work has been featured on the Discovery Health Channel, the New England Cable News Network, in "Creating The Not So Big House Book", the New York Times, House Beautiful, Natural Home, Solar Age, Country Journal, and Yankee magazines.

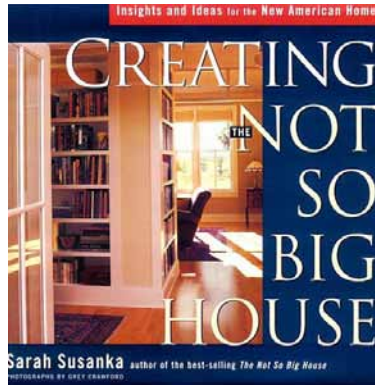
We have been energy consultants for the American Institute of Architects Research Corporation in Washington, D.C., and for the Environmental Conservation Board #5, State of Vermont.

Currently, we are designing and marketing an innovative affordable housing scheme known as Green Ribbon Living. It raises the environmental and ecological bar for the mass housing market and we are optimistic that it will set a fresh trend in how shelter is conceived and constructed.

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ARCHITECTURE DESIGNED FROM THE HEART
TO TOUCH AND INSPIRE THE HUMAN SPIRIT



Project Data

Design & Construction: Groundswell Architects
 Client: Sarah, Skye, Rose & Ted Montgomery
 Cost: \$200,000 w/lot, 3000sf @ \$43/sf

Project Overview

A private residence in an intentional community, handbuilt by an architect. All lighting, siding, furnishings are custom built.

Site issues

- Care & concern for mature trees
- Least disturbance of root systems
- Screening from community green
- Handicap accessibility
- Low cutoff exterior lighting

Materials & sustainability

- Wood products from replenishable trees
- Cellulose insulation
- Metal roofing
- Recycled windows in garden room & studio
- Stained concrete floors

Foundation system

- Shallow dig: Protection of nearby tree root systems
- Frost protected floating slab in studio
- Full insulation of all concrete walls & slab

Architectural features

- Hand painted "marbleized" plywood siding
- View deck with seasonal canvas canopy
- Radiant heated floors on 1st & 2nd levels
- Site cut ash logs used for interior trim
- Wheelchair roll-in shower
- Custom lighting fixtures & furniture

Roof features

- 30 year metal standing seam
- Seasonal canvas entry shelter
- Slide down escape from 2nd floor bdrm
- Summer trellis shading
- SodStairs™ planted garage roof
- Curved plastic glazing in garden room

Garden Room features

- Live 85' white ash tree growing through roof
- Passive solar heat gains with night insulation
- Phase-change thermal storage
- Earth coupled planting beds
- Thermostat controlled ventilation
- 3 season livability

Energy Features

- East, West and North earth berming
- Electronic ballasted high color fluorescent lighting
- Solar domestic hot water preheating
- Air-to-air heat exchange ventilation system
- Programmed setback thermostats on all heating zones

Certifications

VT Energy Investment Corp/ Efficiency VT
 Rated 91.8 / 5 Star Plus ENERGY STAR Home
 4th highest rating of over 2000 rated homes
 VT Residential Energy Code



B I O G R A P H Y

Ted Montgomery

Born: Richmond, Indiana, 1947
Owner: GroundSwell Architects
Education: Graduated from University of Cincinnati 1972
Architectural Registration: State of Vermont 1976

Recent Experience

Indiana Architecture & Design, 1985-2002
Owner, project architect
Local Star, Ltd., Northfield, VT, 1981-1985
Owner, project architect
Circus Studios, Ltd., Waitsfield, VT, 1976-1981
Founding partner, project architect

Positions Held

Housing Supply Goals Task Force,
Chittenden County Regional Planning Commission, 2003
Board Member, Shelburne Historic Preservation & Review Commission,
Shelburne, VT, 1989-1991
Squad Member (EMT Cert.), Shelburne Rescue,
Shelburne, VT, 1989-2001

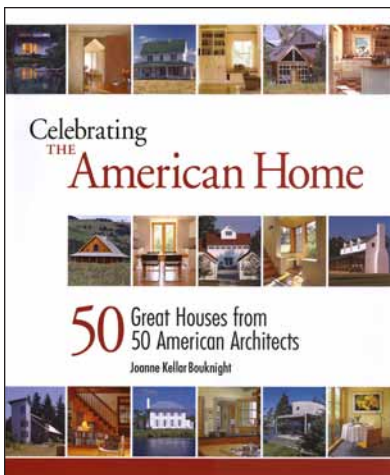


Board Member, Moretown Elementary School,
Moretown, VT 1982-83, 1985
Member, Mayor's Task Force on the Waterfront,
Burlington, VT 1981
Member, Load Management Committee, Dept. of Public Service,
State of Vermont 1981-82
Partner, SOLARCHOW Education Project,
Waitsfield, VT 1978-83
Board Member, Solar Association of Vermont,
Montpelier, VT 1978-82

Professional Activities

Co-winner, Artgate design competition,
AIA VT, Fall 2005
Adjunct Professor, ArchiCAD software,
University of Vermont, 2004 to present
Instructor, Design & Construction,
Yesterday Building School, Warren, VT,
Summer 2003
Home & Office Openhouse/Montgomery Home,
National Tour of Solar Homes, sponsored by NESEA (Northeast Sustainable Energy Association) and ASES (American Solar Energy Society, October 1997 and October 1998.
Guest Speaker, "Career Day", Champlain Valley Union High School, Hinesburg, Vermont, February 1999.
Guest Speaker, "Ten Stones Community Experience", Unitarian Church (Rev. Gary Kalwolsky), Burlington, VT, April 1998
Guest Speaker, "Ten Stones Community Design", Living/Learning Center (Tom Hudspeth, Professor), University of Vermont, Burlington, VT, April 1998
Community Workshop, "Straw Bale Tool Shed", Ten Stones Community, 1997

P U B L I C A T I O N S



CREATING THE NOT SO BIG HOUSE BOOK, 2000, by Sarah Susanka, Taunton Press, "Playfully Sustainable", pp. 132-141
CELEBRATING THE AMERICAN HOME 50 Great Houses from 50 American Architects, 2005, by Joanne Bouknight, "Easy on the Earth, Easy on the Eyes", pp. 48-51.
Smart HomeOwner Magazine, March/April 2006, "It Takes an Eco-Village", pp.50-55.
VERMONT MAGAZINE, May/June 2004, "Living in Art", pp. 93-96.

Inside ART DECO, 2005, by Lucy Rosenfeld, Schiffer Publishing, pp. 222-225.
GARAGE Reinventing the Place We Park, 2001, by Kira Obolensky, Taunton Press, pp. 97-98
FAMILY HOME IDEA BOOK, 2003, by Julie Stillman & Jane Gitlin, Taunton Press, pp. 27, 95 & 146.
DECK & PATIO IDEA BOOK, 2003, by Julie Stillman, Taunton Press, p. 131
INSPIRED HOUSE, December 2004, "Reclaimed Wood", Taunton Press, p. 52
NATURAL HOME, July/August 1999, "A Sun-seeking Design", pp. 38-46
AMERICAN WAY (American Airlines), November 15, 2000, "Trading in the Castle", pp. 108-112
THE BATHROOM IDEA BOOK, 1999, by Andrew Wormer, "Lighting, Heating and Ventilation", p. 150
THE NEW FLOORING IDEA BOOK/ Creating Style from the Ground Up, 2001, "The Green House", pp.116-121
CHARLOTTE NEWS, (Charlotte, VT), January 15, 2003, "Ten Stones Founder's Home in Harmony With Surroundings", pp 16-17.
BURLINGTON FREE PRESS, (Burlington, VT), October 17, 1998, "Architectural Integrity

V I D E O

Discovery Health Channel "The Healthy Home Show" featuring the Montgomery House and an interview with Ted Montgomery, Episode #166, aired during January and February 2001, produced by Omni Film Productions
HGTV "Dream Builders" show featuring the Frost House, Episode 1008
New England Cable News "Dream Home" show, March 23rd & October 26th, 2003
WCAX Channel 3 "Home Sweet Home" show June 7, 2001

