

ENERGY FEATURES

- 3.8 KW PV system, grid-tied
- 6 solar thermal evacuated tube panels
- Sunfrost refrigerator
- Veissman tankless boiler
- HRV System
- Expanded foam insulation
- Cempo recycled Styrofoam concrete forms in basement
- Low E heat mirror windows
- Energy Star appliances
- CFL lighting
- Low flow toilets, faucets, and showerheads

GREEN FEATURES

- Aluminum panel roofing
- FSC certified lumber for framing
- Recycled cotton insulation in interior walls
- IPE/Pau Lope decking and siding
- FSC certified cherry cabinets, vanities and built-ins
- Formaldehyde free particle board throughout home
- Wheat sheat on cabinets and shelving
- AFM Safecoat paint and stains
- Minimized square footage - maximized space efficiency



Weinstein Residence
Chasing Carbon Neutral

Josh and Elizabeth Weinstein

There are many reasons why Elizabeth and I decided to build as green a home as possible. They all relate back to a desire to be conscious of the impacts that we have on other people and on the natural environment. We hoped our home would reduce green house gas emissions and the potentially destructive effects of global warming. We wanted to use as few resources with the lowest environmental and energetic costs as we could. We wanted to be mindful of the visual impact on our neighbors and again reduce resource use. We also wanted to create a personal and healthy home for our family.

The process was hard work and extremely rewarding. Some of our goals could not be achieved, but in every case where there were obstacles we found that perseverance brought us to a point of satisfaction. There are a handful of "greenwashing" products that say they are better than they are. We learned to investigate things thoroughly on the internet and by asking friends neighbors and professionals. We learned to balance the pluses and minuses to find the best option for us when there where many to choose from. Between our friends and construction crew we had at least eight experts in the field of green building advising us and contributing to the project. I found this absolutely invaluable. The more brains the better. Building this house was a very rewarding challenge.

We are monitoring the house's actual performance and may do some fine tuning to make sure it is optimized. We are discussing plans for a zero energy cooling system for these hot summer days. We also have plans for a carbon neutral birthday party when the carbon emission savings offset the emissions produced in construction.

Home Size 3218 Sq.Ft. Finished; 451 Unfinished

Architect/Designer Jeff Borchardt

Builder Ecofutures Building Inc. (see ad page 15)

Solar Contractor Sun Electric Systems, Jim Welch (see ad page 15) Solar Pro, Manford Peters

City of Boulder Green Points Profile 72 required, 129 received

RE-USE / SALVAGE FEATURES

- Deconstructed former home and salvaged materials (floors, windows, lumber, doors, appliances)
- Used neighbors fallen tree for countertops, vanities and dining table
- Minimized and recycled construction waste
- Reclaimed wood floors, trim and porch post and beams
- Tiles contain 50% recycled materials



The Weinstein Family