

Construction Law in North Carolina

Melissa Dewey Brumback
2840 Plaza Place, Suite 400
Raleigh, NC 27612

Phone: (919) 881-2214
Fax: (919) 783-8991
Email: mbrumback@rl-law.com
Website: constructionlawNC.com

Free Passive Solar House Plans (Tue Tip)

By Melissa Brumback on June 7, 2011



Are you familiar with the [North Carolina Energy Efficiency Alliance](http://www.ncenergyalliance.org) (NCEEA)? The Alliance is a non-profit organization (funded by a federal grant through the NC State Energy Office) which “aims to educate all stakeholders in the home building industry about the benefits of ENERGY STAR homes.”

Among the resources on its website, the NCEEA offers a downloadable 59 page white paper entitled “[Affordable Passive Solar Handbook for North Carolina](#)“, which includes 12 different house plans that incorporate passive solar concepts. Some of the plans are converted from a variety of sources including Habitat for Humanity; others are original designs.

Solar Features include:

- 6-11% of floor area is south facing glazing
- 2 foot overhangs
- slab on grade construction with incorporated thermal mass
- main living areas on south side of home

Affordable Features include:

- even exterior dimensions, to eliminate construction waste
- 900-1300 square feet footprints
- simple roof lines than can be built with trusses

According to the white paper, full sets of working drawings are available for free online at www.energync.net or www.ncenergystar.org. **However**, if you can find the applicable link at either of those sites, you are better than I am. I’m sure that if you

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contact the NCEEA they will point you in the right direction. (And if you do, please drop me a line as to where they can be found).

Have you reviewed the white paper? What do you think of their design concepts? Share in the comments below. And, if you are new here, be sure to sign up for regular email delivery of blog posts to your inbox so you never miss anything.

Photo: NCEEA Logo

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