



GREEN BUILDING INSTITUTE

http://www.penpalconstruction.com/

Intro to Green Home Renovations

Overview: By learning about the green renovation principles and through 3 pre-selected Case Studies, 'Intro to Green Home Renovations' participants will understand the steps necessary to planning a successful green renovation project.

Topics Covered

- What are the differences between Green vs. conventional renovations?
- What is Integrated Design?
- How can I use Integrated Design in my renovation?
- How do I approach doing a green renovation?
- How will an energy audit improve my design?
- How do I incorporate passive solar?
- What kind of materials should I use?
- What are some of the challenges in green renovations?

Green Renovation Case Studies (3)*

Review & Analysis of each project

*Submit your potential project for pre-screening. Get hundreds of dollars of professional advice!

Initial case Study applications due Friday, July 20th.
Download application at <http://www.penpalconstruction.com/>

Green Renovation Principles

1. Orientation Analysis
2. Connection to Site
3. Structural Analysis
4. Heat and Cooling Analysis
5. Renewable Resources
6. Selection of Materials

Date: Saturday, October 20, 2007 (Please register by 9/30/07*).

8:30 a.m. - 9:15 a.m.	Tour of a green building (Enviro-Center®) & Check-in
9:15 a.m. - 11:30 a.m.	Intro to Green Renovation Principles
11:30 a.m. - 12:30 p.m.	Intro to Case Studies
12:45 p.m. - 3:00 p.m.	Team Review of Case Studies
3:15 p.m. - 5:00 p.m.	Discussion of each Case Study

Registration:

\$99	General Participant (Green Building Institute Member)	\$300	Case Study Participant (Green Building Institute Member)*
\$130	General Participant (Non-Member)	\$350	Case Study Participant (Non-Member)*

To register, please make *check payable* to "Green Building Institute." Please note "Green Renovations" on the check & remit with this stub to the address below. A confirmation e-mail will be sent to you.

Yes, please register me

My check for \$_____ is enclosed.

Name*: _____

Please print in CAPS.

Company: _____ or General Interest

Profession or interest in green building: _____

Email*: _____ Phone*: (____) _____ - _____

*Required

Cancellation Policy and Refund/Credits:

- All cancellations for a refund (minus 4.75% processing fee) or credit towards a future class must be made at least **7 days prior** to the class date. You may re-schedule based on availability. No refund/credit will be issued if you cancel a class you have re-scheduled.
- No refund/credit for Case Study participant.

Stan received his *Bachelor of Architecture from the University of Maryland* in 1978, specializing in environmental design, solar engineering, and structural engineering. He is a licensed Architect in Maryland, Pennsylvania and Virginia and is a National Council of Architectural Review Board (NCARB) certificate holder. In 1984, he was a certified Inspector through the American Society of Home Inspectors (ASHI). He earned the *Reserve Specialist (RS)* designation from Community Associations Institute in 1998 and the *Leadership in Energy and Environmental Design Accredited Professional (LEED™AP)* Certification from the US Green Building Council in 2002. In 2006, Stan earned the Certification as a *Charrette Planner (CP)* by the National Charrette Institute.

Stan has over thirty years of experience through analysis of thousands of structures, as both a Forensic Architect and Certified Home Inspector through the American Society of Home Inspectors (ASHI), along with his work in the National Solar Data Network as a solar analyst on passive and active solar designs, and extensive experience on construction projects of all types.

Stan's architectural firm, Architectural Support Group, was recently the LEED® Commissioning Authority for the Eastern Village CoHousing, in Silver Spring, Maryland. The building was awarded the 2005 Best Green Luxury Multifamily building from the National Association of Home Builders.

As a Forensic Architect and Green Building Consultant, Stan assists clients with creating Certified LEED Green projects. As Founder of the Environmental Design & Resource Center, LLC (the EnviroCenter®), Stan is developing healthy and high performance projects.

Frequently Asked Questions (FAQs)

I want my project to be used as a Case Study. What do I need to do?

Please download the Initial application for the Case Study participant off our website and mail it to The Green Building Institute by Friday, July 22nd.

What will General Participants need to bring?

A bag lunch, paper, pencils/pens, water bottle.

What is the difference between the General Participant and the Case Study Participant?

The *Case Study Participant* will submit his/ her green renovation project for examination. If selected, the project will be used as an example during the workshop.

The *General Participants* will learn from the each Case Study about introductory topics in green renovations.

What are the deadlines for the Case Study Participants' projects?

- Friday, July 20, 2007 - Initial application

- Friday, August 24, 2007 (If selected as a Case Study Participant)
 - Photos of site
 - Site plan
 - Drawings (sketches to scale) of house

Can the general participants bring in their plans as well?

No, the 3 Case Studies will address all the introductory issues.

Can the general participants leave early if they don't want to stay for the Case Study?

No, it is integral to the class that all participants interact and learn from the Case Studies.