

CONSTRUCT 2010
hanley wood

54th
CSI
CSI Annual
Convention



FORESIGHT IS POWER

CONSTRUCT 2010 STUDENT DESIGN COMPETITION
May 12th through 14th, Philadelphia, Pa.

COMPETITION HANDBOOK



WELCOME!

On behalf of the Philadelphia Chapter of the Construction Specifications Institute (CSI), as well as -I have no doubt, the entire CSI membership, welcome and **THANK YOU** for your participation in this year's Student Design Competition. We have 60 students registered from all across the country, for a total of 27 teams, making this one of the largest CSI student competition events. You are also now part of a strong grassroots tradition within CSI to support you in your professional and scholastic growth toward your chosen professions in the design and construction industry. You are the future of the profession, and it is part of CSI's mission to make sure you achieve your goals.

Your participation in this competition will give you the following experience and exposure:

- **Teamwork Experience:** The design industry is all about teamwork, not the individual, to create the building. In keeping with this, you will be working in teams of two to three people to create your project.
- **National Recognition:** Thousands of Architects, Specifiers and other Construction Professionals attend the CSI Convention every year. This is a chance to connect with people. You may want to include take-away sheets with your contact information that attendees can take with them. You never know, you may receive a call about a summer internship - or more.
- **Contribute to Your Community:** Part of being an Architect is working within your community, which means understanding it at many levels, including ecological. This project gives you a chance to focus on the ecological community, and deepen that connection to the human community.
- **Understanding of Sustainable Design:** Integrated design is as much a collaborative effort as it is knowing the client, and the site.
- **CSI Membership:** The top three teams will receive a student membership to CSI National, which includes receiving the monthly periodical *Specifier*, as well as listing on the CSI National website. This gives you access to the membership database as well, a perfect way to start networking!
- **CASH Prizes:** The top five teams will receive cash prizes, as follows:
 - First Place: **\$800.00**
 - Second Place: **\$650.00**
 - Third Place: **\$500.00**
 - Peoples Choice: **The two remaining teams will each receive \$150.00**
- **Participation Gift:** All participating students will receive a token gift commemorating their participation in the CONSTRUCT2010 Student Design Competition.

I -and my committee members, also encourage you to consider attending CONSTRUCT 2010. A full curriculum of student events is planned for CONSTRUCT 2010 & The CSI Annual Convention in Philadelphia. Students are encouraged to take advantage of a diverse array of education sessions from industry professionals, mentoring from members of CSI's College of Fellows, excellent networking opportunities, and walk the exhibit hall to see the latest innovations in building products and technology. Visit the CONSTRUCT 2010 website for additional information.

Thank you again and good luck. We are looking forward to viewing your entries!

Warm Regards -



Sara E. Sweeney, RA, LEED AP, CSI, CDT, Philadelphia CSI Chapter Member
Chair, 2010 Student Design Competition Committee

Committee Members: David Aquadro, Sally Reis, Meggen Taylor, Peter Taylor, James Thomas

COMPETITION DESCRIPTION

LEED NC (LEED for Nesting Construction), v1

As you are now well aware, this year's student design competition project is a birdhouse. It will be designed and constructed for a bird species of your team's choice. However, the species must be native to the area where you attend college/university. Our intent in asking you to focus on a native species is to encourage you to become more familiar with the climate and eco-systems of the area specific to the species. Birds are instinctive, and this determines what they look for in a home, whether already existing or built from the branch up, as well as what features will be necessary. Thus, the birdhouse should adequately address:

- location preference, e.g.: where does the species like to build and live
- size of bird
- nesting habits
- incubating, raising and protection of young
- protection from elements and predators (and who the predators are)
- perching habits
- feeding habits
- other as determined by the team

In addition, birds are by nature sustainable and environmentally mindful designers and builders. They use readily available materials, often salvaged, and undoubtedly take into consideration durability and efficient use of materials. After all, if the nest fails, guess who has to rebuild it.

We would also like to encourage creative thinking/designing on your part. After all, the design team often adds features and elements the client would have never considered but both love and find useful. Thus, there may be opportunities to consider other functions the house could serve for the bird species, beyond just housing. Take this into consideration in your design, as well as determine whether or not it is appropriate to the species of choice; it could end up being a pricey and ill-used add-on. Birds may be interested in style as well, so feel free to incorporate stylistic attributes into the birdhouse design.

In the end, the goal of this project is two-fold: to know your client –each bird species is unique in what it looks for in a home, just as we are when we shop for or build a home, and to promote critical research and evaluation skills, necessary for any successful sustainable building project.

We also strongly encourage you to design and build this bird house to be placed either somewhere on campus or in your campus community, such as a local park.

COMPETITION RULES

- Student Status:** You must be currently registered at your college/university and a student in good standing
- Start Date:** No formal start date. You may work on this competition project as much or as little as you would like
- Stop Date:** April 20th. Competition boards are **due on April 21st** at indicated address; see Key Dates and Deliverables section for more information.
- Bird Size:** As long as you select a species native to the area where you attend college/university, the bird may be as small or as large as you would like. If you do select a large bird, be cognizant of the size of the bird house as well as shipping size restrictions and/or parameters, should your project be selected for final judging at CONSTRUCT 2010.
- Bird House:** Your bird house **must** be constructed prior to the preliminary judging. Photographs of the bird house are required on the competition boards.

COMPETITION JUDGING INFORMATION

Because this competition is off-site, and not during the actual Construction Specifications Institute annual convention, as it usually is, **judging will be divided into two phases:** Preliminary and Final Judging.

- **Preliminary Judging (judging date = April 26th):** The Philadelphia Chapter of CSI, general membership will conduct preliminary judging of all team entries at the April Dinner Meeting on April 26th. Judging will be by ballot, and will follow the judging parameters as listed below. The top five entries will then be judged during CONSTRUCT 2010.
- **Final Judging (judging date = May 13th):** The top five entries will be judged during CONSTRUCT 2010 by a judging panel composed of five (5) invited judges from CSI National Membership and/or CSI College of Fellows. The judges will follow the judging parameters as listed below
- **Judging Parameters:** Teams will be judged on the following for both Preliminary and Final Judging :
 - Knowledge of client's requirements, needs and habits, as outlined in the Project Description
 - Birdhouse design (creativity, design and construction quality)
 - Technical quality of construction drawings
 - Choice and use of materials (from both creative and durability standpoints)
 - Overall presentation

Please note that ALL competition boards will be on display during CONSTRUCT 2010, so that convention attendees can view all team entries.

Deliverables for Preliminary Judging:

The following must be submitted for **Preliminary Judging:**

- No more than two (2) 24x36 boards, which show, at minimum:
 - Plans and elevations
 - One building cross section
 - One detailed wall section
 - Other drawings and information as follows:
 - Material list and where materials were found and/or salvaged from
 - Explanation of why materials were chosen
 - Narrative about bird species selected, its habitat and ecosystem, including why this birdhouse would be selected by the bird
 - Photographs of the constructed birdhouse (we encourage you to also include a photograph of it in its final nesting place if possible)

Deliverables for Final Judging:

The following must be turned in for **Final Judging by the top five teams only:**

- Full size constructed birdhouse.

Additional Instructions for Judging:

Boards must be **clearly and neatly labeled** on the back of each board, in the upper left hand corner, with the following information:

- Team name
- College/University name
- Team leader and member names
- Team Leader contact information, including:
 - Phone
 - Email
 - Address

Bird houses submitted by the top five teams must include an index card (or cardstock/other sturdy paper roughly the size of an index card) securely taped to the bottom of the bird house with the following information **clearly and neatly written**:

- Team name
- College/University name
- Team leader and member names
- Team Leader contact information, including:
 - Phone
 - Email
 - Address

DELIVERABLE DUE DATES

April 21st: Deliverables due for Preliminary Judging due to Sara Sweeney, Student Design Competition Chair, CSI Philadelphia Chapter, at the following address:

EcoVision Green Solutions Services LLC
20 Webster Avenue
Cherry Hill, NJ, 08002
phone: 215.432.9469.

Please **do not** send bird houses for Preliminary Judging. In addition, **boards received after April 21st will not be eligible for the competition**. Please plan your time accordingly, as well as account for shipping time.

May 1st: Deliverables due for Final Judging due to Student Design Competition Chair, CSI Philadelphia Chapter, at the same address as listed above. **The top five teams will be notified on April 27th of their selection.**

COMPETITION STIPEND INFORMATION

Registered teams will automatically be eligible for the stipends. Checks will be mailed to the primary team member on April 1st. Stipends are as follows:

Shipping Stipend:

- All registered teams will receive a stipend of \$25.00 to cover shipping costs of the boards.
- The top five teams will receive a shipping stipend of \$75.00 to cover costs of shipping the constructed birdhouse.

Materials Stipend:

Although we strongly encourage the use of found and salvaged materials, all teams will receive a materials stipend of \$50.00.

QUESTIONS DURING THE COMPETITION

If you have questions during the competition, please ask! Direct all questions to: help@constructshow.com. We will in turn send the responses to all team members, in case others have a similar question.

AFTER COMPETITION INFORMATION

All boards and bird houses will be returned to students after the competition. **Please make sure that the address listed on the back of the competition board will be a valid shipping address through the end of May 2010.**