



# Home Builders Association of Hartford County, Inc 2012 Youth Design Contest



*For more than 60 years the HBA has sponsored this exciting and unique educational experience, which provides student scholarships for continued education in the construction field.*

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## **YOUTH DESIGN AWARDS CONTEST Presentation Drawings of a Residence and Design Scale Model**

**ENTRY FORMS:** Each student must complete a pre-registration form online at [www.cthideshow.com](http://www.cthideshow.com) on or before December 16, 2011 and on February 1, 2012 you and your instructor will receive an email to confirm your participation.

**WHO IS ELIGIBLE:** Entries may be submitted by any student in grades 10, 11, or 12 enrolled in design or drafting courses in public, parochial or private schools in the state of Connecticut.

**WHAT MAY BE ENTERED:** "Presentation" drawings of a single-family residence, made by the student under the supervision of an industrial arts instructor and which qualifies under the rules and regulations, may be entered in the program. Drawings must have been started and completed in a single school year or its equivalent. There is no entry fee.

**JUDGING:** Official judging will be done by a panel of members of the Home Builders Association of Hartford County, Inc. and their associates. Entries not conforming to the rules may be disqualified.

**Entries will be judged upon the following:**

- Meeting design requirements
- Originality of ideas in plan and elevations
- Logical use of materials on construction of model
- Conformance with principles of good architectural design
- Quality of model presentation and draftsmanship
- Accuracy of construction details/wall section

**In all cases, the decision of the judges will be final. Non-adherence to rules and regulations will result in point deduction and/or disqualification**

**ANNOUNCEMENT OF AWARDS:** Award winners will be announced at the Original Connecticut Home & Remodeling Show at the Connecticut Convention Center.

**DELIVERY OF ENTRIES:** All entries are to be delivered to the Connecticut Convention Center, 100 Columbus Blvd., Hartford, CT on Thursday, March 15, 2012, prior to 12:00 noon.

**EXHIBIT:** All completed entries will be publicly displayed during the Original Connecticut Home & Remodeling Show at the Connecticut Convention Center, March 16-18, 2012.

**RETURN OF ENTRIES:** All entries submitted by entrants, as well as their accompanying scale models, will become the property of the Home Builders Association of Hartford County, Inc. for the duration of the home show.

**All drawings and models must be reclaimed at the Connecticut Convention Center after 3:00 p.m. on Sunday, March 18, 2012, or Monday, March 19, 2012, prior to noon.** Thereafter, the HBA will no longer be responsible for the entry materials. \*\*\*If models are not picked up they will be disposed of by the Connecticut Convention Center.\*\*\*

# RULES AND REGULATIONS

## **ENTRIES MAY BE REJECTED UNLESS THEY MEET THE FOLLOWING CRITERIA:**

The drawing must be black ink/pencil on white paper. They must be essentially flat, meaning raised letter or other three-dimensional surfaces are not permitted. The drawing sheet size shall be 24" wide x 30" deep in portrait format and shall be mounted on heavy card-board or illustration board 24" wide x 30" deep. Entries not meeting size requirements may be disqualified.

### **The sheet shall include the following:**

- Plot plan in 1" = 20' scale, showing all exterior building dimensions and all setbacks from lot lines. Assume 35' front & rear building lines with 10' side yard.
- A floor plan in 1/4" scale in presentation drawing style including room title and sizes with adequate overall dimensions so judges can calculate footage.
- A typical wall section noting materials to be used including "R" value of exterior and roof construction.
- A perspective or front elevation drawing of the building, additional details, plans, or elevations as deemed advisable by the student to explain his entry.
- Drawings must indicate square footage of residence (see "Design Criteria" below).
- Drawings must include title block and must include instructor's signature.

**ALL DRAWINGS FOR ONE ENTRY SHALL BE ON ONE BOARD OF THE SIZE SPECIFIED ABOVE.** Each entry should include a full-dimensional scale model 1/4" scale of the house design. The model is to be constructed of suitable material of the student's choice on a rigid base (1/2" plywood or equivalent) 24" wide x 30" deep in portrait format.

**DESIGN & GREEN BUILDING CONCEPTS CRITERIA:** Design a single family home with three bedrooms not to exceed 2,000 sq. ft. of floor space measured to the outside face of exterior walls. The residence may be with or without basement, must have a garage (basement type or attached—may be of masonry or frame construction—carports will not count as a garage). Garages, open porches, decks, unfinished incidental storage, greenhouses, and/or seasonal solar spaces, unfinished basements and attic areas will not be counted as finished living area. Two story spaces shall be counted as one area at the floor level. The site is a residential building lot with 100' of frontage and 140' of depth (site *may* incorporate varying topography and characteristics *for additional points*).

**Green Building:** The entries should include three NAHB's Model Green Home Building Guidelines concepts and the reason utilized on the enclosed form provided by Home Builders Association of Hartford County. For NAHB's guidelines go to: [www.nahbgreen.org/Guidelines](http://www.nahbgreen.org/Guidelines)

### **OTHER DESIGN OPTIONS**

**Accessibility:** Students may incorporate 3 accessibility features as described in the Dept. of Justice, ADA Standards for Accessible Design. For ADA Standards for Accessible Design go to: [www.ada.gov](http://www.ada.gov) Click on **ADA Design Standards**

**Energy Efficiency:** Students may incorporate energy efficiency features in the design of the home (heating/cooling, windows, doors, etc.). Students should provide specific details in section (c) of the Rules and Regulations. Students may also include a listing of Energy Star products and components, but must describe each component and its application. For Energy Star Information go to: [www.energystar.gov](http://www.energystar.gov) Click on **New Homes**

### **WHAT YOU CAN WIN**

**All completed entries from each school are to be submitted for official judging. Awards will be as follows:**

**FIRST PLACE AWARD:** \$1,000 Cash Prize will be awarded to the winner and a \$1,500 scholarship shall be presented upon evidence of matriculation in one of the programs listed below: **Architecture; Construction Management;**

**Construction Technology; Structural Engineering; Civil Engineering**

**SECOND PRIZE AWARD:** \$600 Cash Prize and a \$750 scholarship with the same criteria as above.

**THIRD PLACE AWARD:** \$300 Cash Prize

**FOURTH PLACE AWARD:** \$100 Cash Prize

*Scholarships shall be presented upon graduation from high school and is to be used within two (2) years of that time.*

The school of the student winning first place shall receive a plaque on which will be designated the name of the school, the teacher and the student. Additional awards *may* be given for Areas of Excellence. *In the past these categories included at the judge's discretion: Green Building; Energy Efficiency; Accessibility; Structural Detail; Thinking Outside the Box; Unique Model*

**Presentation; Best First Time Entry for a School.** Each award is \$500 and will be given to the student's school to enhance the department curriculum.

# YOUTH DESIGN AWARDS PROGRAM

## **REGISTRATION FORM**

**(Deadline December 16, 2011)**

Thank you for your interest in this year's Youth Design Awards Program. We encourage each student to register online [www.cthideshow.com](http://www.cthideshow.com) by December 16, 2011, if you are unable to register online use this form and return by fax, mail or email to:



### **Home Builders Association of Hartford County, Inc**

2189 Silas Deane Highway, Rocky Hill, Connecticut 06067

Tel: (860) 563-4212 / Fax: (860) 563-3709

Email: [pam@hbahartford.com](mailto:pam@hbahartford.com)

Contact: Pam Zimmerman

***The producers of the Connecticut Home & Remodeling Show***

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**Please print clearly and complete the form below:**

Student's Name: \_\_\_\_\_

Home Address: \_\_\_\_\_

City/Town: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Ph. #: ( ) \_\_\_\_\_ - \_\_\_\_\_ Email: \_\_\_\_\_

School: \_\_\_\_\_ Grade \_\_\_\_\_

School Ph. #: ( ) \_\_\_\_\_ - \_\_\_\_\_

Instructor's Name: \_\_\_\_\_

Instructor's Email: \_\_\_\_\_

Principal's Name: \_\_\_\_\_

Do you plan to continue formal training and education beyond high school level? Yes \_\_\_\_\_ No \_\_\_\_\_

Choice of post high school training institution: \_\_\_\_\_

**Register online at: [www.cthideshow.com](http://www.cthideshow.com)**



# YOUTH DESIGN AWARDS PROGRAM 2012 CHECK LIST

## Students and Instructors

- Pre-register online by December 16, 2011
- Confirm that you are participating by February 14, 2012
- RSVP for March 1, 2012 for luncheon on March 1, 2012
- Bring your model to the CT Convention Center by 12PM March 15, 2012
- Judging will be after the luncheon on March 15, 2012
- Come to the home show on March 17, 2012 at 9AM as we announce the Winners
- Pick-up your model between 3PM and 6PM on March 18, 2012
- Winners are to bring their model to the April 1, 2012 - CT Whale game at the XL Center.  
During the game the winners will be brought down to center ice for recognition.
- Winners attend the Youth Design Awards Night Dinner on April 26, 2012

Instructors and students you will receive a Youth Design Newsletter with Youth Design Contest details and reminders. If you have any questions please contact me at 860-563-4212 or email [pam@hbahartford.com](mailto:pam@hbahartford.com).

Thank you,

Pam Zimmerman  
HBA of Hartford County



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# Judging Criteria Explanations

**Meets Design Criteria:** The design provides for the size and functional criteria as specified in the “DESIGN & GREEN BUILDING CONCEPTS CRITERIA” section of the contest rules.

**Excellence in Floor Plan Design:** The design submitted displays practical, livable, and comfortable spaces. The design should feature a well thought out circulation (traffic flow) pattern. Room adjacencies and separations are considered in this category.

**Excellence in Exterior Design:** The design submitted displays well thought out rooflines, window/door arrangements, proportions, and material selections.

**Accuracy of Construction Details:** The required wall section submitted displays knowledge of materials and construction methods and assemblies.

## Presentation Categories

**Sheet Organization:** The drawings submitted are arranged in a sensible and easy to read format. Adequate labeling is provided.

**Quality of Drawing (formerly Use of Point Sizes and Fonts):** The types of drawings (perspectives and/or color renderings for instance), level of detail, and degree of difficulty of the drawings presented.

**Model Built According to Plan:** The model submitted matches the plan submitted.

**Quality of Model Construction:** The level of workmanship of the model submitted, as well as the choice of materials, textures and colors.

Below is a copy of the Judges scoring sheet.

DATE: March 16, 2012			HBA of Hartford County, Inc. Youth Design Contest 2										Judge's Name	
	POINT DEDUCTIONS Deduct ½ Point If Partially Completed on Plan. Deduct 1 Point If Not Shown On Plan				DESIGN & CONSTRUCTION (Max. 5 pts.each)				PRESENTATION (Max. 5 pts.each)					
	PLOT PLAN		SQUARE FOOTAGE						DRAWING		MODEL			
Student#	Instructors Signature	Setbacks & Dimensions Show	Written On Plot	Model To Scale	Adequate Dimensions To Calculate	Meets Design Criteria	Excellence In Floor Plan Design	Excellence In Exterior Design	Accuracy of Construction Details	Sheet Organization	Use of Point Sizes & Fonts	Built According to Plan	Quality of Model Construction (max 10 points)	TOTAL POINTS (MAX 45)



**NAHB MODEL GREEN BUILDING GUIDELINES UTILIZED-  
3 CONCEPTS REQUIRED**

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_

**OPTIONAL: ACCESSIBILITY DESIGN OPTIONS- MAY INCORPORATE  
3 FEATURES**

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_

**OPTIONAL: ENERGY STAR/EFFICIENCY FEATURES INCORPORATED**

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