

19th ANNUAL DUTCHESS COMMUNITY COLLEGE HIGH SCHOOL ARCHITECTURAL DESIGN COMPETITION

November 8, 2010

Project

Billi and Frank have lived in the Hudson Valley their entire lives and are looking to prepare to downgrade their house size as their twin sons go off to college. Their current house is 4000 square feet and is located on a wooded parcel in the rolling hills of the northern section of the county. The lot they are purchasing is in a flat open field with a view of the mountains to the west. The lot has a small stream that runs through.

Billi and Frank would like their new home to be a maximum of 2000 square feet. They have no particular style of architecture that they want for the new house except that the house must be light and airy. They like some of Frank Lloyd Wright's ideas about Usonian Houses, but the actual houses are much too small for their needs.

Billi and Frank would very much like their master bedroom on the first floor so in the future they do not have to walk up stairs. They would also like their master bathroom to have a view of the brook that runs through the property. For the boys' rooms they want in-suite bathrooms.

Billi and Frank want to make the house as green as possible and to use sustainable materials and building techniques. They are looking for your ideas to accomplish this goal.

The Program

The following rooms are required:

First Floor

- Front Entry – The house must have a front entry with a front porch. The front door must enter from the front side of the property. The entry door must be 3' wide. A coat closet is needed.
- A small formal living room no bigger than 12'x12' for entertaining.
- A large Family Room with fireplace. The fireplace can be a zero clearance design. This is the only living space and the space the owners want to be

different and have the most interest. The room needs to have access to the deck.

- Dining Room - It should be able to seat 10 people comfortably with space for a sideboard.
- Kitchen to include a full size kitchen with a double sink, range for cooking, and a large refrigerator (4-feet).
- First Floor Guest bathroom with lavatory and water closet
- Mudroom with closet. Mudroom must have direct accessibility from the garage.
- Stair to second floor and basement.
- Master Bedroom
- Master Walk-in Closet
- Master Bathroom - two lavatories, separate room for water closet and 4 foot by 5-foot walk in shower. Shower can be in main space
- Laundry room to hold washer and dryer.

Second Floor

- Two Bedrooms each with a closet with 6 linear feet of pole and shelf and an in-suite Bathroom with lavatory, water closet, tub and window.

Other

- A 30'wide x 24' deep garage
- Rear deck off Family Room
- House must have two stories (partial)
- House will be constructed on basement. Heating and electrical equipment will be in the basement.
- House must be no more than 2000 square feet not including garage

ELIGIBILITY:

High school students who are currently enrolled (and will be at the time of judging), in a Dutchess, Columbia, Ulster, Orange, Putnam or Westchester County high school may compete. Designs and submissions must be done by individual students and not groups. All designs must be the original work of the student.

PRIZES

Prizes for first place, second place, third place, fourth place and fifth place will be presented. Five merit awards will also be presented.

ENTRY PROCEDURE:

An official entry or a photocopy of an official entry may be used. The entry form is to be placed in an unsealed blank envelope attached to the back of your submittal.

SUBMISSION AND DEADLINE:

Deliver submissions to:
DUTCHESS COMMUNITY COLLEGE
ENGINEERING TECHNOLOGIES OFFICE
TACONIC HALL, ROOM T210
53 PENDELL ROAD
POUGHKEEPSIE, NEW YORK 12601-1595
845-431-8410
ATTN: DAVID FREEMAN

All entries must be received by 4 P.M., June 2, 2011. Late entries will not be accepted. Submissions may be picked up by competitors after July 15, 2011 by contacting David Freeman. Dutchess Community College regrettably cannot return any submissions by mail or other means.

Students submitting winning entries agree to allow Dutchess Community College, Home Builders Association of the Hudson Valley, the Poughkeepsie Journal and the Westchester/Mid-Hudson Chapter of the American Institute of Architects the right to use submissions for publicity purposes.

JUDGING AND JURORS:

Judging will be held during the first weeks of June 2011. Winners will be notified by telephone. Results will be published in the Poughkeepsie Journal and local papers during June and July. Jurors may include representatives of:

Dutchess Community College Architecture Program Faculty and Alumni
Home Builders Association of the Hudson Valley
Westchester/Mid-Hudson Chapter American Institute of Architects

An awards reception will be held during the last weeks of June 2011 for the ten finalists and their families in the Mildred I. Washington Art Gallery in the Allyn J. Washington Center for Science and Art at the north end of the Dutchess Community College Campus.

EVALUATION

Creativity and imagination are the major consideration you should give this project. Evaluation of the final projects will be based on the following:

- Creativity and imagination
- Practicality of solution
- Use of site
- Quality of drawing

THE FOLLOWING IS REQUIRED

A typed statement of the student's design intentions. This will be posted with the drawings in the Gallery.

Drawings:

A Maximum of four sheets per student is to be submitted because of limited display space.

- Site Plan showing site analysis, roof plan of house, sidewalks and parking
- First and Second Floor Plans, dimensioned house at a scale of 1/4" = 1'-0"
- Four Elevations house at a scale of 1/4" = 1'-0"
- Two Building Sections through the house at a scale of 1/4" = 1'-0"

The Drawings must include notes which describe the student's design intents including historic references and use of sustainable design idea and green building materials. The drawings must include individual room sizes and total square footage.

DUTCHESS COMMUNITY COLLEGE HIGH SCHOOL
ARCHITECTURAL DESIGN COMPETITION

ENTRY FORM

LAST NAME

FIRST NAME

ADDRESS

PHONE

SCHOOL

YEAR OF GRADUATION

FACULTY ADVISOR

SIGNATURE

I CERTIFY THAT THE SUBMITTED DESIGN AND PRESENTATION WAS DONE BY MYSELF, AND AGREE TO THE TERMS AND CONDITIONS OF THE COMPETITION.

NAME

SIGNATURE

DATE

Entries must be received by June 2, 2011