

EIGHTEENTH ANNUAL DUTCHESS COMMUNITY COLLEGE HIGH SCHOOL ARCHITECTURAL DESIGN COMPETITION

October 22, 2009

Project

Patrick has made a great deal of money in the iPhone App market. You may know of him for such famous Apps as “Killer” which is a GPS based app where you can find the nearest famous serial killer to your location or “Shoes” which brings up a shoe on your screen and “throws” it to show your disrespect for someone.

Melody, Patrick’s wife has her own cake baking business which she runs out of her kitchen. She got her inspiration from Duff from the “Ace of Cakes” show on TV. Melody creates 6 -12 custom cakes per week which she sells to clients.

With their new found fortune, Patrick and Melody have decided to build a new home in the rolling hills of Highland. Their building site overlooks the Hudson River and they have a view of the Walkway over the Hudson which is about a half mile south of their property.

Patrick and Melody are very particular about the design of their individual spaces for their business and Melody has special requirements for the kitchen and garage.

Patrick and Melody have two small 6 year old twin boys, Nicolas and Alexander who share a bedroom for now (twin beds that look like race cars. They would like to have two bedrooms for the boys for the future.

Patrick and Melody admire the work of James Cutler of Cutler Anderson Architects. They like the use of natural wood finishes and stone through their projects.

Patrick and Melody 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 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 12 people comfortably with space for a sideboard.
- Kitchen to include a full size kitchen with an island, a double sink, a six burner range for cooking, two wall ovens and a large refrigerator (4-feet). Melody would like a large enough island to have it divided into two sections for her work. 4-feet by 8-feet would be good.
- 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.

Second Floor

- 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
- Two Bedrooms each with a closet with 6 linear feet of pole and shelf.
- Main Bathroom with lavatory, water closet, tub and window.
- Laundry room to hold washer and dryer.

His Office

Patrick wants a very dark office to work on his Apps. The room only needs to be approximately 100 s.f. and have one small single window. Location (floor) to be determined by Designer.

Her Office

Melody needs a small office off the kitchen to do her billing. She only needs space for a desk and her computer but she needs a closet approximately 5-feet wide and 2-feet deep to store cake boxes.

Other

- A 30' wide x 24' deep garage
The garage needs an outside door that leads into a small 5-foot by 5-foot room. This room will hold a 4-foot wide x 2-foot deep refrigerator. Melody's clients pick up their cakes here without coming into the main house.
- Rear deck off Family Room
- House must have two stories.
- House will be constructed on basement. Heating and electrical equipment will be in the basement.
- House must be no more than 2400 square feet not including garage

ELIGIBILITY:

High school students who are currently enrolled (and will be at the time of judging), in a Dutchess, Ulster, Orange, or Putnam 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

Monetary awards in the amounts of \$250 for first place, \$150 for second place, \$100 for third place, \$50 for fourth place and \$25 for 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, 2010. Late entries will not be accepted. Submissions may be picked up by competitors after July 1, 2010 by contacting David Freeman. Dutchess Community College regrestfully 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 2010. 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 luncheon will be held during the last weeks of June 2010 for the ten finalists and their families.

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

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.

Drawings:

- 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"

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, 2010