



AIA Vancouver

2300 Main Street, Vancouver, WA 98660
Phone: (360) 450-7647

October 4, 2010

To: Drafting Instructor,
Southwest Washington High Schools

Dear Sir or Madam,

Thank you for your interest in the annual Clark Public Utilities/ American Institute of Architects Vancouver Component Design and Drafting Competition for High School students. This year's competition is focused on a residential house with an attached apartment. This house is located on a site next to the East Fork Lewis River in Washington State.

Your contact for design and drafting related classroom visits (courtesy of AIA Vancouver Component) will be Susan Mangin (360) 326-3674 or sbmangin@comcast.net. Please find attached an electronic copy of the program and supporting documents for your use.

We hope that you are able to make the program available to your interested students. Please visit the Vancouver Component AIA web site at www.aiavancouver.org to view photographs of past design competition entries and awards ceremonies presented at the Clark Public Utilities Home Idea and Garden Fair at the Clark County Fairgrounds.

Please contact me with any questions you may have regarding this event.

Sincerely,

Susan Mangin, AIA
AIA Vancouver President Elect

**Clark Public Utilities/
American Institute of Architects, Vancouver Chapter**

2010/2011 Student Design/Drafting Competition



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INTRODUCTION

The goal of the Clark Public Utilities/American Institute of Architects Student Design/Drafting Competition is to encourage students to develop skills in the design process by exploring current issues such as affordability and energy conservation. The program provides an opportunity for students to communicate their ideas through design of a small project.

The project is a residence with an attached apartment located next to the East Fork Lewis River in Washington State.

COMPETITION

The students' projects will be displayed in the Event Center at the 2011 Clark Public Utilities Home and Garden Idea Fair during April 29, 30, and May 1. The Awards Ceremony will be held on Sunday, May 1, in the Event Center close to the display location. The specific time for the Awards Ceremony will be announced at a later date. The Fair Grounds are located at 17402 NE Delfel Road in Ridgefield, Washington, just nine miles north of the I-5 bridge at exit 9.

The competition is broken down into three divisions: Beginning, Intermediate and Advanced. Each division will compete for "best overall", "best design", and "best presentation" categories.

The advanced division includes options that allow students to demonstrate their skills in three-dimensional presentation.

The prizes for each category are yet to be determined. Past competitions have provided multiple cash prizes, software and miscellaneous prizes related to the design and drafting field.

Members of the American Institute of Architects (AIA), Vancouver Component, and other local professionals will judge entries.

ELIGIBILITY

Instructors are encouraged to have their students enter the division that best reflects their skills.

SUBMITTAL REQUIREMENTS

All projects shall be submitted on four (4) 18" x 24" sheets mounted on foam core. All work shall be displayed on the official contest title block provided to each instructor, as shown on the following page. Final layout of the work on this format is up to the student. Student name, school name and division shall be clearly displayed in the space provided on the title block.

Written and graphic information necessary to describe the project shall be included. At least one portion of the presentation is required to be hand lettered. This may be either a



narrative sheet, small narratives next to each drawing or the notes on drawings or combination of all three.

The required written narrative should describe how the design solution fulfills the programmatic requirements. It also should include an explanation of any innovations or unconventional solutions or techniques in the design. This narrative should help describe your design thought processes and ideas through out the project.

Notes on the drawings should also help describe the design including dimensions, types of building materials and room names. At least one portion of the presentation is required to be hand lettered, either the drawing notes, narrative or title block information.

Optionally, entries may include sketches or diagrams illustrating the design process for the project. Such illustrations are to be attached to the back of the building elevation presentation board.

QUESTIONS

All questions about the contest should be submitted prior to March 1, 2011 in writing to:

Contest
AIA Vancouver Component
PO Box 829
Vancouver, WA 98666

Or by e-mail to
competition@aiavancouver.org
with the word "contest" in the subject line

View list of participating students from previous years contests and photos of past presentations on AIA Vancouver Component web site at www.aiavancouver.org

SUBMISSIONS

All entries shall be submitted to the information desk of Clark Public Utilities, Main Office, 1200 Fort Vancouver Way, Vancouver, Washington 98663, by 5:00 PM, Friday April 1, 2011 to the attention of Bill Peterson.

Presentation Requirements

B I A All submittal requirements are listed below. The actual requirements for your applicable division are as checked under your division in the left margin.
B = Beginning; **I** = Intermediate; **A** = Advanced

B I A A. Narrative:
All students to provide a brief overview of the completed project explaining in the entrant's own words the highlights of his/her design, including the thought process behind the design solution. This can be on a separate sheet of paper, but needs to be clipped to the board so it can be viewed with the drawings. It can also be separate paragraphs throughout the presentation board, like under each drawing, to help explain the drawings and the design concepts.

B. Drawings:

Note: Scales indicated are suggestions only. The students may alter them as necessary for space. The students should be careful in choosing the scales as they can affect the quality of the presentation.

B I A 1. **Site Plan** - Scale of 1" = 10.0'
Show all existing site characteristics such as property lines, minimum setbacks if any, any steep slopes and shorelines, shoreline buffer zones, north arrow, new and existing vegetation and any views. Show and label all existing and new information such as outline of existing structures to remain, parking areas/drives, steps, fences, walks, patios/decks, covered areas, trees, landscaping, etc. The site plan must show the entire property including the structures adjacent to the property.

B I A 2. **Floor Plans** – Scale 1/4" = 1.0'.
Draw a plan that delineates all spaces in the main level(s) of the building. Clearly label all spaces in the building and provide enough dimensions to indicate room sizes and overall dimensions. Use additional notes that identify special characteristics of your design. For intermediate and advanced students, provide a designating line to show where your section was "cut".

I A 3. **Cross Section** – Scale 1/4" = 1.0'.
Intermediate and advanced students to draw a cross sectional view of the building. Choose a location for the section cut that best displays the features and concepts that you have incorporated. Label all rooms, areas, and major construction components, and use any other brief descriptive notes that may be required. Include at least 1 human figure, drawn to scale to give a sense of human scale to the spaces you have designed.

B I A 4. **Elevations** – Scale Varies
a. Beginning and Intermediate:
Draw two contiguous sides of the building in elevation. Include graphic and text representations of all finish materials used. Include vertical dimensions showing doors, and windows and roof heights.
b. Advanced:
Advanced students to show all sides of the building in elevation view. Include graphic and text representations of all finish materials used, and vertical dimensions.

A 5. **3D View**
Provide a three-dimensional view of the proposed design. This may be a hand drawn or digital perspective view of the exterior, or a physical model. Perspectives, if used, shall be finished with shades, shadows, human figures, and furnishings. Use of color is optional.

Project Narrative

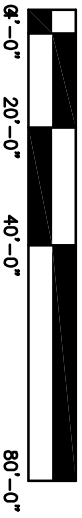
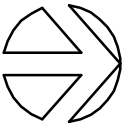
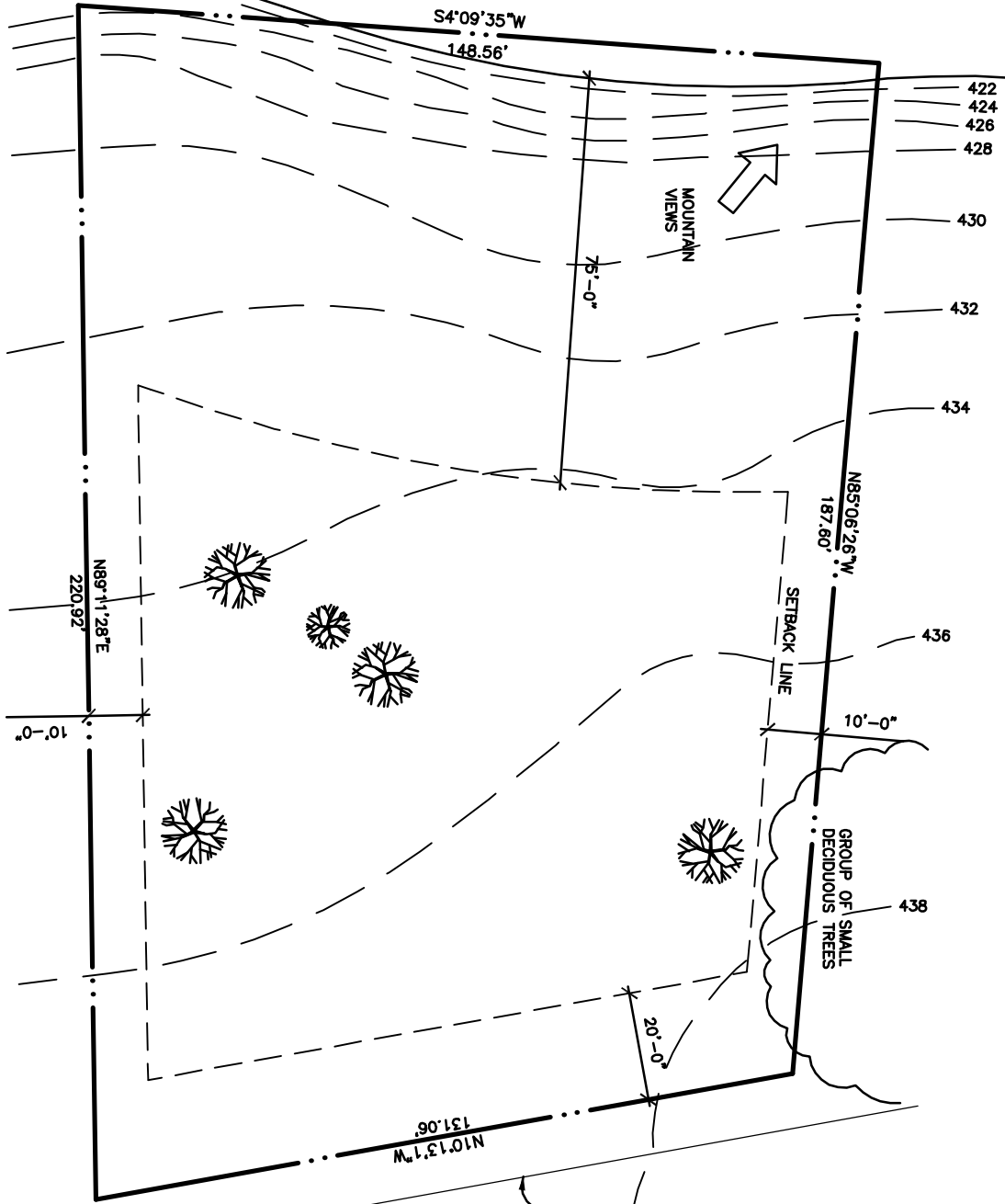
Your parents have asked you to design a house for them with an attached apartment. This apartment shall have its own entrance and direct lockable entrance into the main house. This apartment could be used as a “mother-in-law” apartment, or for an adult child that has moved back home. It could be used for your parents as a master bedroom when they find it is too difficult to walk up and down stairs. It also could be rented for additional income.

Area: The main home shall be no more than 1,800 square feet, (Outdoor area is not included.) The home can be two floors or single story. The apartment shall be no more than 600 square feet.

- The main house (1,800 SF)
 - Main entrance
 - Living room or great room
 - Kitchen
 - Eating area
 - 3 bedrooms
 - 2 bathrooms
 - Laundry room
 - Storage
 - Utility room with the furnace and water heater or the furnace and water heater can be located in the garage.
 - 2 car garage (not included in the 1,800 SF)
 - Outdoor space
 - The family also enjoys cooking and entertaining outside on a deck or concrete patio and they want to enjoy the view of the river and mountain
- The apartment (600 SF)
 - Shall have an ADA accessible exterior entrance separate from the main house entrance.
 - It shall also have access to the main house without having to go outside. But with the ability to secure it from both sides.
 - It shall have a small kitchen or kitchenette with a small eating area
 - A living space like a sitting room, or living room
 - A bedroom w/ closet
 - It shall have an ADA accessible bathroom
 - The bathroom shall be large enough to accommodate a wheel chair and the approach to the restroom shall be accessible, with accessible fixtures and grab bars
 - With a roll-in shower
 - Storage
- Your parents wish to take advantage of views of the river and mountain.
- Your parents wish to explore ways to reduce energy consumption and utility costs by using alternative passive or active energy saving techniques, and desire an efficient design which reduces material quantities.
- The uses of recycled/green/reusable materials are encouraged in the construction and finishing of the house.

EAST FORK
LEWIS RIVER

NORMAL HIGH
WATER LINE



SITE PLAN

J2 BLUEPRINT SUPPLY COMPANY REQUIREMENTS

When choosing to use J2 Blueprint Supply Company services to plot your computer files, please comply with the following guidelines:

1. File type to be PDF or TIF files.
2. Plots should be emailed to plot@j2b.com
3. Students name, email address & phone number should accompany the order. Be sure to indicate that you are participating in the PUD/AIA Design and Drafting Competition to receive your discounted pricing.
4. Students should contact J2 to find out when plotting is completed and ready to be picked up.
5. To cover some basic costs a charge of \$.25 per print will be required at the time of will call.
6. Prints may be picked up at J2 Blueprint will call at
2311 Main street Vancouver, Washington 98660 (360) 696-1861

Thank you!

Appendix A

Judging Criteria:

Clark County Home & Garden Idea Fair
Student Design Competition
Judging Criteria

Student Name _____ School _____

DESIGN

Basics - code compliance, room proportions, door swings, accessibility, constructability, climatic suitability, use of floor space.

Livability - traffic patterns, room relationships, ventilation, openness, appliances, cabinets, lighting, flooring.

Energy Efficiency - glass to floor area, efficiency of form, solar orientation, plumbing, heater.

Material Efficiency - use of standard sizes, simplicity, minimal use of walls, material choices.

Aesthetics - overall appeal, response to siting, choice of materials, innovative concepts.

PRESENTATION

Drafting

Basics - completeness, accuracy, detail

Execution - line weight, neatness, corners, consistency.

Appearance - placement, clarity, scale indicated, etc.

Lettering

Basics - neatness, consistency, completeness, accuracy.

Appearance - proportion, spacing, placement, style.

Judge # _____

Judges Comments: