Visual Display Competition

Overview
The theme for the 2016 American Society of Civil Engineers Southeast Student Conference is *Resilient by Design: Overcoming the Unexpected*. Typically, the visual display design conveys the conference theme through a creative artistic display. This year, we wanted to expand the scope of the competition by adding a functional aspect to the display. We challenge students to combine creativity, sustainability, and constructability knowledge to build a doghouse that represents the theme of the conference as well as showcasing your school’s geographical location.

Objective
Students will build a creative and functional doghouse while applying innovation and sustainability. Each team will create a theme for their doghouse related to each school’s geographical location.

Eligibility
Each team may have up to five (5) members, one (1) of which may be a graduate student.

General Rules
- The doghouse created by each school is to be constructed prior to the 2016 Southeast Student Conference.
- Each doghouse will be placed on display the day of the competition, where judges will score each of the doghouses.
- The doghouses will be scored based on functionality, sustainability, and creativity relating to the conference theme and each school’s respective geographic location, and will be at the discretion of the judges scoring the event.

Requirements
- The doghouse should be created for a medium-sized dog.
- The doghouse must fit within a four (4) foot by four (4) foot area.
- The doghouse should not exceed five (5) feet in height.
- The doghouse should not exceed 80 pounds. Any doghouse that exceeds this maximum will be deducted points off its final score.
- The doghouse must have a name that is clearly written on the doghouse.
• A sign or plaque that clearly states the name of the university must accompany the doghouse. The sign or plaque should be able to stand alone or be attached to the display.

• Power supply will not be provided by the host university. If you wish to supply your own power source, it must fit within the dimension requirements.

• Each team will be limited to a budget of $150. A list of materials and costs is to be submitted the day of the competition on one (1) 8.5” x 11” sheet of paper. The school’s name shall be listed on the cost sheet. Creative use of recycled and/or free materials is encouraged. Note: the total cost of up to $150 should include the estimated price of all donated materials.

• Materials that are potentially toxic to animals may not be used in the doghouse.

Sustainable Design
Sustainable designs may include (but are not limited to):

• Water Efficiency
  o Roof rainwater collection and/or green roof technologies
  o High efficiency fixtures and fittings for indoor water use

• Energy & Atmosphere
  o Insulation/heating
  o Air/filtration
  o Day lighting
  o Renewable energy

• Materials & Resources
  o Repurposed/recycled materials
  o Material tracking (quantity source end use, estimated cost savings)
  o Durability (regional materials)

Submittals
Doghouses will be submitted at the designated location and time as posted on the conference schedule.

Auction
Each school has the option of donating its doghouse to the Human Society of West Alabama. The doghouses will be auctioned off at an event, and all proceeds will benefit the Humane Society.

THE UNIVERSITY OF ALABAMA®
Disqualifications

- If the university name is not legible or is missing, the doghouse will be disqualified.
- Failure to drop off the doghouse at the appropriate time and location will result in disqualification.

Example Projects

Figures 1 and 2 below show examples of doghouses entered into the 2015 Pacific Southwest Conference.

Figure 1 (left)
Completed doghouse by the University of Southern California

Figure 2 (below)
Examples of completed doghouses
# Scoring Summary Sheet

ASCE Student Organization: ________________________________________________

<table>
<thead>
<tr>
<th>Scoring Criteria</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aesthetics &amp; Quality</td>
<td>/20</td>
</tr>
<tr>
<td>2. Creativity</td>
<td>/20</td>
</tr>
<tr>
<td>3. Functionality</td>
<td>/20</td>
</tr>
<tr>
<td>4. Sustainable Design</td>
<td>/20</td>
</tr>
<tr>
<td>5. Representation of conference theme</td>
<td>/10</td>
</tr>
<tr>
<td>6. Representation of school’s geographic location</td>
<td>/10</td>
</tr>
</tbody>
</table>

**Sub-Total** /100

<table>
<thead>
<tr>
<th>Penalties</th>
<th>Deduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Exceeds 80 pounds</td>
<td>-15</td>
</tr>
<tr>
<td>2. Doghouse exceeds acceptable dimensions (4’ x 4’ area)</td>
<td>-15</td>
</tr>
<tr>
<td>3. Materials are potentially toxic to animals</td>
<td>-20</td>
</tr>
<tr>
<td>4. Total cost exceeds $150 budget</td>
<td>-50</td>
</tr>
</tbody>
</table>

**Penalty Sub-Total** /-100

**Sub-Total** /100

**Overall Score** /100