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For Immediate Release

ACE Frederick Affiliate Wins ACE National Design Competition

Washington, DC, May 3, 2011— The Frederick, Maryland Affiliate of the ACE (Architecture, Construction, and Engineering) Mentor Program was recently named champion of the CIRT-ACE national design competition—their second national title in four years. The championship team received a \$3,000 scholarship contribution for the Frederick Affiliate.

The project submitted by the Frederick team, *Baltimore Health Solutions: Serenity Health Care*, focuses on providing a calming atmosphere for health care facility visitors. The Frederick team consisted of eight second-year Frederick area high school students: Jeff Bowersox, Alex Chepkait, Scott Kindl, Savannah Krause, Malini Nambiar, Marcus Printz, Electra Sherlock and Rachel Wolford. ACE mentors Bryan Burke, Steve Ritz, Michelle Gonsalves, and Dick Payne dedicated their efforts to helping the team achieve this honor.

Bryan Burke, the lead mentor for the second-year students, was “very proud to be associated with the students on the team. They (the students) worked very diligently and intelligently on the project at hand and they learned a great deal about the design process and how to apply it to any project.” Burke commented that “Savannah Krause was a great Project Manager and was able to keep the team on track, as well as tap into and utilize all of the talent on the team. Malini Nambiar amazed the judges at the presentation; I knew that we had won less than a minute into her presentation, just based on the confidence that she was projecting.”

Savannah congratulated the team for a “superb job” and “thanked everyone for all their hard work and dedication to the team project.” She was “proud of everyone for all the thought, time, and heart they put into the project.” “Being Part of the ACE Mentor Program has been an extraordinary experience. I have learned a lot: teamwork, proper presentation skills, new “green” technologies, building structures, design process, scheduling, set goals to follow through with, and about all different types of engineering. I have made many great friends and met many miraculous people including other students, mentors, and even CEOs of major construction industries. They have all helped in my learning experience, plus have greatly impacted and influence me to truly fulfill my dream of becoming an architect.

My wish is to come back to the ACE Mentor Program in the future as a mentor, to share the excellent experience with future students teaching them what I learned from the outstanding program.”

Construction Industry Round Table (CIRT) is comprised of a panel of industry leaders that judge the CIRT-ACE national design competition. This year, CIRT-ACE received 37 entries from ACE Affiliates across the country, the highest number of entries submitted since this competition began. After the preliminary competition, three national finalists were selected to participate in the final competition at CIRT’s spring conference. In addition to the Frederick team, affiliates from New York City and San Francisco Bay Area were also selected to present their projects to the panel of industry executives at the annual CIRT Conference.



The winning team from left-to-right: Jeff Bowersox, Marcus Printz, Savannah Krause, Alex Chepkoit, Malini Nambiar, and Electra Sherlock (Not pictured: Scott Kindl and Rachel Wolford)

SERENITY HEALTH CLINIC

Frederick Chapter

Problem: We need to create a health clinic for those in need of medical treatment, checkups and therapy. This health clinic must minimize the fear and anxiety that is associated with visits to a doctor's office, and the comfort of adults and children as well as the "size" of the surrounding area must be taken into account.

Goals: Design a Health Clinic that:
 1. Has Three Main Areas: Medical Treatment, Therapy, and Checkups.
 2. Is "Greener" Energy Efficient
 3. Alleviates Fear, Sorrow, and Anxiety

Design Process: The original design involved three separate buildings arranged in a triangle pattern to treat each of the three areas: medical treatment, checkups and therapy. The design then evolved into one building that would incorporate all three areas.

Location: We chose Baltimore, Maryland as our location for our Medical Clinic. We chose Baltimore because it is one of the most stressful cities in America, and because it is close to Johns Hopkins Medical Center as well as several other major hospitals. By being our facility nearby, any patient with a major emergency can easily be transported to a designated emergency room. Due to living in close proximity to Baltimore, our team is also familiar with its demographics and culture.

BALTIMORE HEALTH SOLUTIONS

Frederick Chapter

Problem: We need to create a health clinic for those in need of medical treatment, checkups and therapy. This health clinic must minimize the fear and anxiety that is associated with visits to a doctor's office, and the comfort of adults and children as well as the "size" of the surrounding area must be taken into account.

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Fear

Statistics based off of survey analysis.

25.7%	14.3%	25.7%	34.3%
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No Fear

Statistics based off of survey analysis.

25.7%	14.3%	25.7%	34.3%
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Medical Fields:

The medical treatment area will contain all urgent care centers, offering basic emergency procedures. These include covering things like flu shots, emergency respiratory infections and asthma, developing health insurance, and monitoring basic infectious disease, blood, eye, and hearing tests.

Check Ups: This check up area consists of doctors ranging from Pediatricians and General Practitioners to O.B.G.Y.N.s, allowing for patients of all ages the ability to have a doctor visit. These checkups include vaccinations including flu, MMRs, chicken pox, hepatitis, and others will be provided and offered by the doctor and nursing staff at the clinic. The O.B.G.Y.N.s will also tend to gynecology, prenatal care, ultrasounds, sex work and hormonal needs.

Therapy: The therapy area will primarily specialize in physical and occupational therapy, with the main procedure consisting of sports injuries and accident rehabilitation. Many open rooms will be provided for other sources of therapy, including massage, acupuncture, art, and language. Local musicians and teachers will be allowed to use the open rooms for their practices, offering messages, acupuncture, art expression (painting/drawing), and

Entertainment:

In the building, there are many sources of entertainment to create a fun relaxing atmosphere. The main source of fun is entertainment, with art therapy, many paintings, and photographs of local scenery, portraits, or nature. The waiting rooms have additional interactive and passive entertainment. With Buzztime music, patients can face off against each other using remotes to answer trivia questions. Music stations allow patients to learn to music primarily by plugging in a set of headphones into the provided jack. In every waiting area, there is also a large projection television displaying world news, client news, and images that enhance the calming environment. A supervised "Kids Zone" on the second floor includes coloring stations, wall paints, computer games, and a jungle gym to entertain younger patients. A café located on the second floor with indoor and outdoor seating will provide patients the comfort of eating while waiting for their appointment or after their procedure.

What We Learned:

As a team we learned to stay on task and have eight people focused on one topic. We will be delegating the work between everyone on the team, to get all the work done as we are excited and to accomplish our overall project goals. While working on this project for many months we learned to follow a design process, to grow our design, thought, and research. Also throughout these many months we had multiple presentations to display the project's progress, this helped our team as a whole with proper presentation skills. With the excess of time for research our knowledge of Green Technologies and Medical Fields grew drastically.

ACE Frederick's Winning Display