Mobile Wellness Center Design Competition

Architecture and Engineering

1ST PRIZE $3000
2ND PRIZE $1500
3RD PRIZE $750
4TH PRIZE $375
5TH PRIZE $165

Teams of two to four students to design prototype for 100 Mobile Wellness Centers for truck stops throughout the United States. Designs must include facilities for:

Private psychological counseling
Private medical check-ups
Public and Private spiritual guidance
Public physical well-being

- **JUDGING CRITERIA:**
  - **20% Functionality**
  - **30% Space Utilization *(Interior, Exterior, Surface, Site)***
  - **20% Aesthetics *(Cultural, Messaging, Exterior, Interior)***
  - **10% Sustainability *(Energy, Water, Repairs, Maintenance)***
  - **10% Versatility**
- **DETAILS:**
  1) **BUDGET**: $80,000 using Lowes.com and Bestbuy.com whenever possible. Labor costs paid by others and not in budget.
  2) **STANDARDS**: U.S. standards must be adhered to (ADA, HIPPA, AIA, ASHRAE, etc)
  3) **SPACE**: Design space is 53' - 0" long, 9' - 6" wide, 13' - 6" high; but you can design sections that extend out and up automatically (like an RV), and design as many windows and skylights as you wish.
  4) **SITE DESIGN**: Use of surroundings will vary in size and degree; so design for varied site conditions and lot configurations; a typical site plan will be distributed – but assume rest-stop will supply bathrooms, food, etc.
  5) **HVAC**: Environmental conditions should be similar to that of a typical U.S. office building during working hours. Trailers must operate in a variety of climates (from the 120F+ degrees heat of Death Valley in the summer, to the sub-zero tundra of the Yukon in winter). A refrigerator must be included for food, medical supplies, etc.
  6) **PLUMBING**: can be designed into trailers (sink, shower, dishwasher, etc) if you can fit it into your budget.
  7) **INFORMATION TECHNOLOGY**: Assume high-speed internet available. A high-def large teleconferencing capability must be designed into trailer (for televised sermons, group-counseling, exercise & wellness classes, etc.)
  8) **ELECTRICAL**: Assume 10 watts per square foot supplied to trailer, and 120volts AC provided, however you can propose alternate (maybe renewable) energy generation and storage.

- **Present your design in a 25 minute multimedia presentation *(must include a poster)* on Wednesday, May 7th in Gibble Auditorium**

Contact Dr. Joseph Wunderlich (wunderjt@ETOWN.EDU) by email with your team member names for further information