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