

| West Virginia | | | | | | |
|---|---|------------|--------|---------|----------|--------|
| ENGINEERING | | TEAM SCORE | | | | POINTS |
| | | APPROACH | EQUALS | EXCEEDS | ECLIPSES | /100 |
| CONTEST CRITERIA | | 0-60% | 61-80% | 81-90% | 91-100% | |
| A. FUNCTIONALITY | | | | | | |
| 1 | Do the systems function as intended? | X | | | | |
| 2 | Does the HVAC system maintain indoor air quality via contaminant control, fresh air ventilation, or both? | X | | | | |
| 3 | Does the HVAC system maintain uniform thermal comfort conditions via temperature control, humidity control, air movement, and a successful distribution system design? | | X | | | |
| B. EFFICIENCY | | | | | | |
| 1 | Relative to conventional systems, how much energy will the systems save over the course of an entire year? | X | | | | |
| 2 | Do the HVAC and lighting controls facilitate a reduction in energy consumption during an entire year of operation? | | X | | | |
| C. INNOVATION | | | | | | |
| 1 | Were any unique approaches used to solve design challenges? | | X | | | |
| 2 | Do the proposed innovations have true market potential? | | X | | | |
| D. RELIABILITY | | | | | | |
| 1 | How long are the systems expected to operate at a high level of performance? | X | | | | |
| 2 | How much maintenance is required to keep them operating at a high level? | | X | | | |
| E. DOCUMENTATION | | | | | | |
| 1 | Did the drawings, construction specifications, energy analysis results and discussion, and audiovisual engineering presentation enable the jury to conduct a preliminary evaluation of the design prior to its arrival at the competition site? | | X | | | |
| 2 | Did the drawings, construction specifications, energy analysis results and discussion, and audiovisual engineering presentation accurately reflect the constructed project as assembled on the competition site? | | X | | | |
| Total | | | | | | 58.0 |
| PUBLIC COMMENTS | | | | | | |
| Designed a high performance enclosure with traditional material and off the shelf automation systems with a passive sunspace. | | | | | | |