

Santa Clara						
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						89.0
PUBLIC COMMENTS						
<p>Innovative use of bamboo for structure. Good use of dryer heat recovery to increase dryer efficiency. Good owner control interface for shale house operation. Enhanced solar thermal storage with PCM to maximize solar thermal benefit. Very professional looking mechanical room.</p>						