

Las Vegas	
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ENGINEERING

TEAM SCORE

POINTS

FOUAI S

FOUAI S

EXCEEDS

ECLIPSES

/100

CONTEST CRITERIA

0-60

61-8

81-9

91-100%	
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A. FUNCTIONALITY	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
10	10.1
11	11.1
12	12.1
13	13.1
14	14.1
15	15.1
16	16.1
17	17.1
18	18.1
19	19.1
20	20.1
21	21.1
22	22.1
23	23.1
24	24.1
25	25.1
26	26.1
27	27.1
28	28.1
29	29.1
30	30.1
31	31.1
32	32.1
33	33.1
34	34.1
35	35.1
36	36.1
37	37.1
38	38.1
39	39.1
40	40.1
41	41.1
42	42.1
43	43.1
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80	80.1
81	81.1
82	82.1
83	83.1
84	84.1
85	85.1
86	86.1
87	87.1
88	88.1
89	89.1
90	90.1
91	91.1
92	92.1
93	93.1
94	94.1
95	95.1
96	96.1
97	97.1
98	98.1
99	99.1
100	100.1

1 Do the systems function as intended?

2 Does the HVAC system maintain indoor air quality via contaminant control, fresh air ventilation, or both?

3 Does the HVAC system maintain uniform thermal comfort conditions via temperature control, humidity control, air movement, and a successful distribution system design?

B. EFFICIENCY

1 Relative to conventional systems, how much energy will the systems save over the course of an entire year?

2 Do the HVAC and lighting controls facilitate a reduction in energy consumption during an entire year of operation?

C. INNOVATION

1 Were any unique approaches used to solve design challenges?

2 | Do the proposed innovations have true market potential?

D. RELIABILITY

1	How long are the systems expected to operate at a high level of performance?
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2	How much maintenance is required to keep them operating at a high level?
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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?

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?
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[illegible]

93.0

PUBLIC COMMENTS

Highly efficient HVAC system (SEER 26). Fully integrated construction and controls solution.