



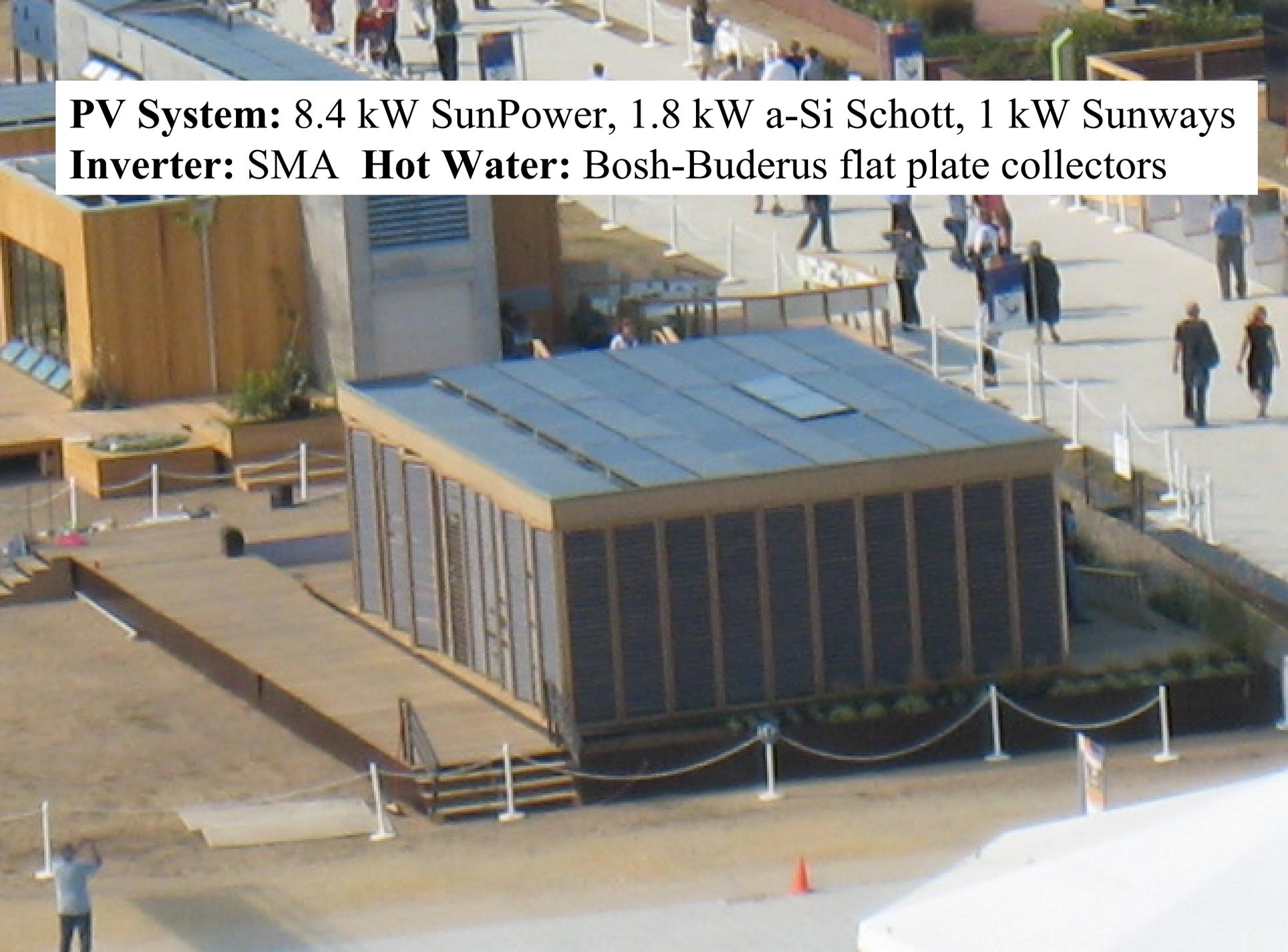
## Monday, October 15 (Architecture)

1. Darmstadt
2. Maryland
3. Madrid
4. Georgia Tech
5. Cincinnati
6. Montreal
6. NYIT
8. Penn State
9. Texas-Austin
10. Colorado
11. Cornell
12. Kansas
13. Puerto Rico
14. Illinois
15. Carnegie Mellon
16. Texas A&M
17. Lawrence Tech
18. Santa Clara
19. MIT
20. Missouri-Rolla





**PV System:** 8.4 kW SunPower, 1.8 kW a-Si Schott, 1 kW Sunways  
**Inverter:** SMA **Hot Water:** Bosh-Buderus flat plate collectors







**The ceiling includes radiative cooling, and the walls contain thermal mass through phase changing material (Micronal by BASF), a new material that can store energy like a massive stone wall.**







**PV System: 7.1 kW Sanyo HIT Inverter: Outback**

**Hot water: Apricus evacuated tubes**







**All of the fixtures, including LED lamps, are wired to a Lutron Graik Eye 3000, a centralized dimming and switching system that permits flexible lighting control with finely tuned adjustment.**

The home's liquid desiccant waterfall removes humidity with very little energy, reducing the load of the air conditioner. Calcium chloride, a highly absorptive material, is mixed into the waterfall, where it captures moisture from the air.







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**PV System:** 8.3 kW Isofoton including glass doors  
**Inverter:** Isofoton    **Hot water:** vacuum tubes

