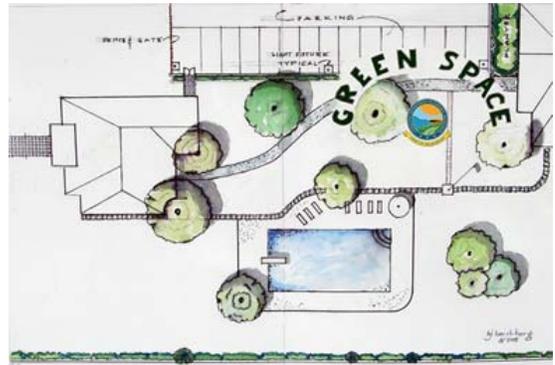


GreenSpace - Kavouri Residence by PLDP Architects



BY HOWARD HERSHBERG



This is the Kavouri Residence in Greece. The project was designed by PLDP Architects of Austin, Texas and Portland, Oregon. The architects and clients used the magnificent site that looks out across the Aegean to the port of Piraeus and the Acropolis to demonstrate high standards of sustainability and simple design.

- Green and sustainable features in this design include:
- The new structure stands on the exact footprint of the previous residence and reuses many of the elements of the previous structure. Existing walls were used whenever possible as part of the new design.
- All of the materials were gathered from the foundation excavation and were reused in the rammed earth floors which have the appearance of old leather.
- The rammed earth floors were carefully placed over the pipes used for climate control in the dwelling.
- The house has a “tight envelope” which reduces the cooling and heating load. The heating system utilizes a rooftop solar hot water heating system and two rainwater cisterns located beneath the kitchen floor.
- The floors and furniture are finished with linseed oil to avoid the VOCs of new finish materials.





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