**The Hylomorphic Project**  
**Technological R&D - Structural shape annealing protocols**

This experimental structure is generated by a pioneering customized technological engine that aims at defining design solutions in response to a wide range of structural and environmental parameters. Based on a research that offers the possibility to integrate the expertise of designers and engineers on a unique computational platform, The Hylomorphic Project envisions the possibility to fully automate design solutions, structural optimization, material performance and fabrication methods. Its customized structural algorithm integrates an evolutionary component that acts as a searching device while reacting to multiple constraints such as geometrical constraints and material properties. This pioneering prototype has been tested for the first time at Rudolph Schindler’s seminal King Road House in West Hollywood.

**Fact Sheet**

**Client** MAK Center for Art and Architecture  
**Location** Schindler House, West Hollywood, CA

**Phase 1** (2004-2005) Preliminary design and computational algorithm  
**Phase 2** (2006) Structural and environmental algorithmic components | Fabrication and Prototyping

**Design** Open Source Architecture  
**Computation** Kristina Shea and Martina Gourtovaia, Cambridge University  
**Structural Engineering** Judith Leuppi, ARUP Los Angeles and London  
**Structural Testing** UCLA Structural Testing Lab  
**Construction** Open Source Architecture and the Federal Group, Shanghai  
**Budget** $30,000  
**Size** 400 sqf  
**Materials** CNC milled aluminium, wood