





लहर्षे <u>लठा कि तहां</u> ह

Inspiration

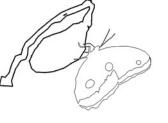
The geometry of the new Yoga Shala has been inspired by the Butterfly Cocoon. The Metamorphosis of the clumsy and worldly caterpillar which transforms through an extraordinary biological process to a graceful Butterfly, is the core idea behind the building form and construction. Yoga practice is a personal journey towards enlightenment and the True Self. It means Connection, and this journey will only be authentic through the conceptualization and realization that everything is interconnected.

SECTION

Project About

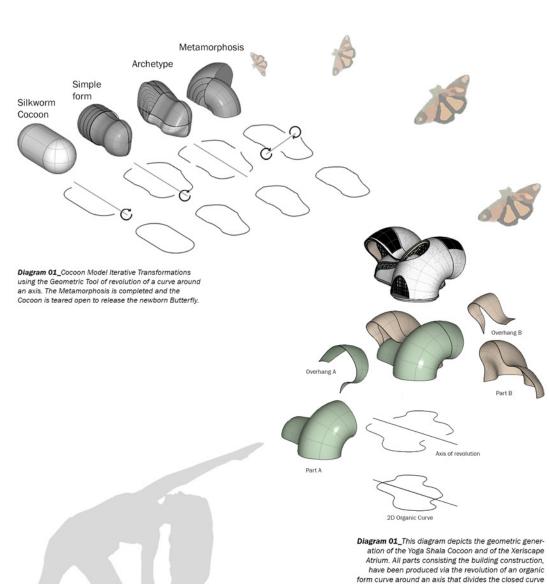
This project is about a Yoga Shala proposal submitted in an International Architecture Competition Call. The site is part of a mountain Yoga Retreat Complex located in a breathtaking forest region of central Portugal. The new Yoga Shala building is inspired from the Yoga philosophy, being a spiritual practice rather than a physical exercise. The new development apart from the Shala with an atrium space, consists of the Teahouse cave volume. Both buildings are framed by the biomorphic xeriscaping garden islands, the curvilinear walking concrete stone paths and the cultivation activities levels.



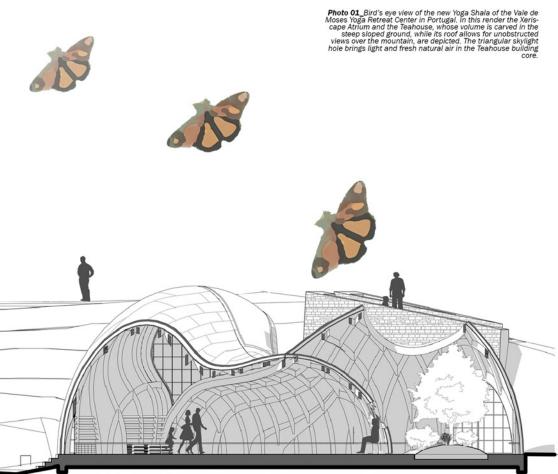


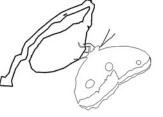
into two pieces.

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Photo 01_The term "vernacular architecture" in general refers to the informal building of structures through traditional building methods by local builders without using the services of a professional architect. It is the most widespread form of building.

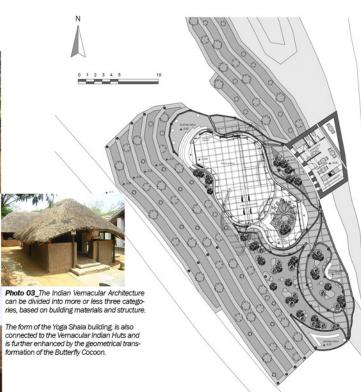




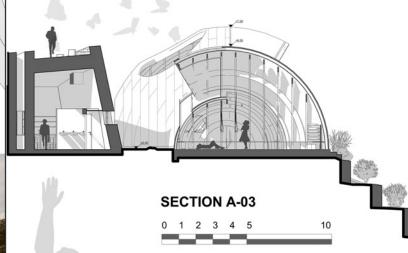
Photo 02_Indian vernacular architecture

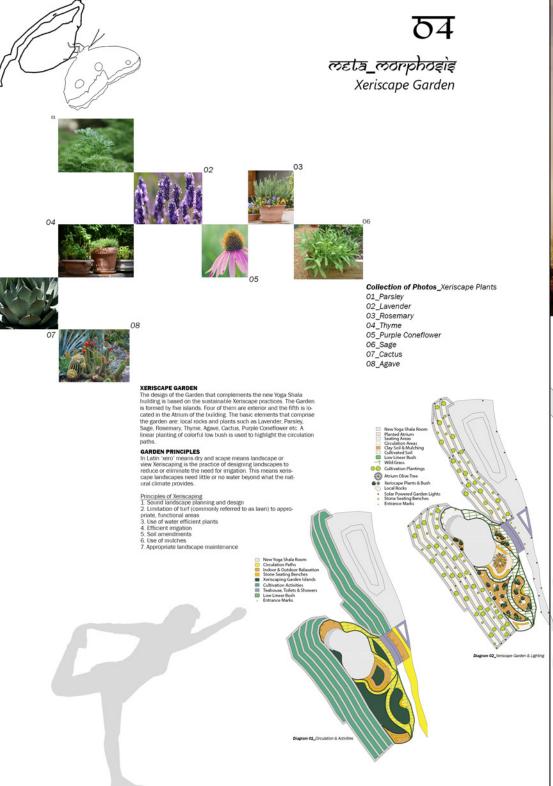


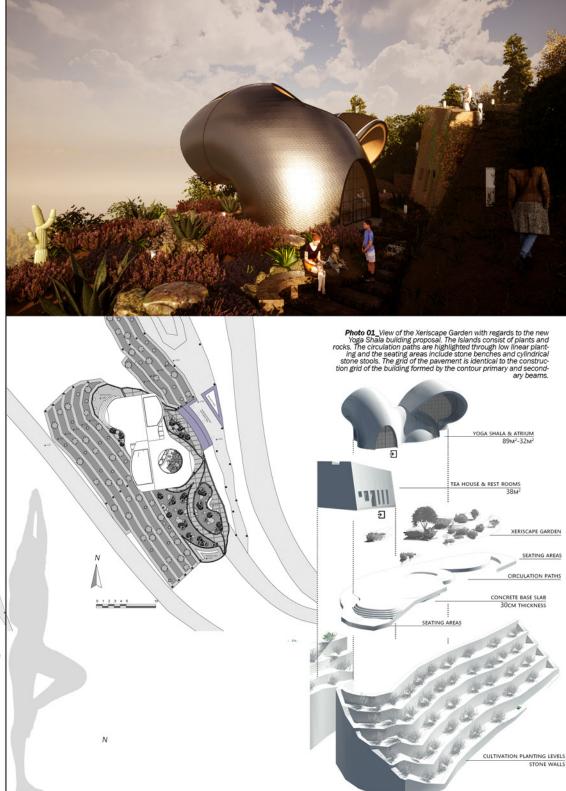
Photo 04_The new Yoga Shala references to the Indian Vernacular Huts through the bubble organic form. The Beam Contours and the wooden interior skin, strengthens this connection thus creating a warm and hospitable interior environment. The Teahouse with its inclined stone facade, provides a neutral background to reveal the form of the cocoon shaped Yoga Shala. The pavement of the external garden circulation paths, is shaped with the application of the structural grid of the Wooden Beams that form the primary and secondary support system of the building.

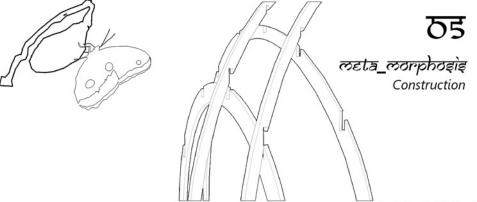


Photo 05_Bird's eye view of the new Yoga Shala of the Vale de Moses Yoga Retreat Center in Portugal.







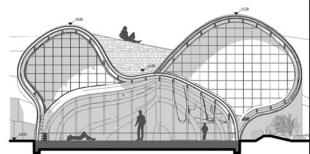


STRUCTURE

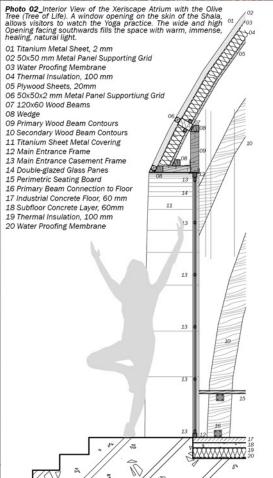
The structure of the building consists of primary and secondary structural wood contour beams grid, based on the yoga mat width. A horizontal perimetric bench-like shelf constructed by structural wood, reinforce the structure stiffness while serving as a seating bench. The skin of the building is comprised by layers of plywood sheets, thermal insulation and structured titanium panels. The Yoga Shala curved building skin incorporates photovoltaic panels. It has the adequate thermal insulation and a Pasiv Haus construction envelope in order to maximize energy efficiency. The openings allow for adequate natural lighting and aeration. The rainwater and greywater are purified and stored in a water tank.



Photo 01_The interior space of the new Yoga Shala is governed by the Structural Beam Contours that form the supporting structure of the building. The wood ceiling enhances the warmth of the space.







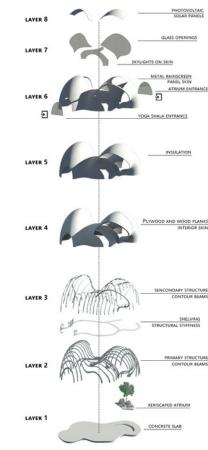


Diagram 01_Explosion Diagram of the layers that consist the cocoon structure.