

the DESIGN SOURCE

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Earth Symphony

A beautiful 20,000 feet resort - a mud haven at Kerala.

A Smart Office

A spanking new smart office for Glaxo, Gurgaon with flexible seating and cabin less format.

A New Age Design

An open fun filled flexible and creatively crafted office design - Archohm Studio.

The Desert Rain House

A design by Vaastuvit Associates for a family that has migrated from the desert country Saudi Arabia to Mumbai.

Nature Inspired

Transformation of a small steep plot at the vineyard at Dielsdorf, by L3P Architecture.

Bright & Bold

A bold, larger than life hospitality venture, standing tall, with 15,000 sq. ft. of space at Connaught Place.

THIS WORK ON THE VINEYARD SLOPE COPIES THE LOGIC OF A VINE: A SUPPORTING MIDDLE WALL, PLATFORMS AND NON-BEARING WINDOWS FOLLOW THE STRUCTURE OF THE STEM, THE TRUNK AND THE HANGING FRUIT.

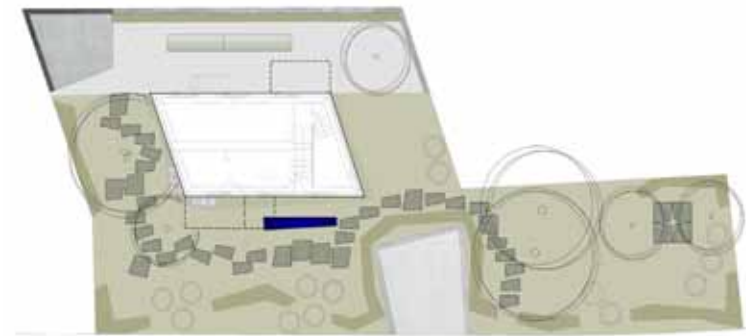
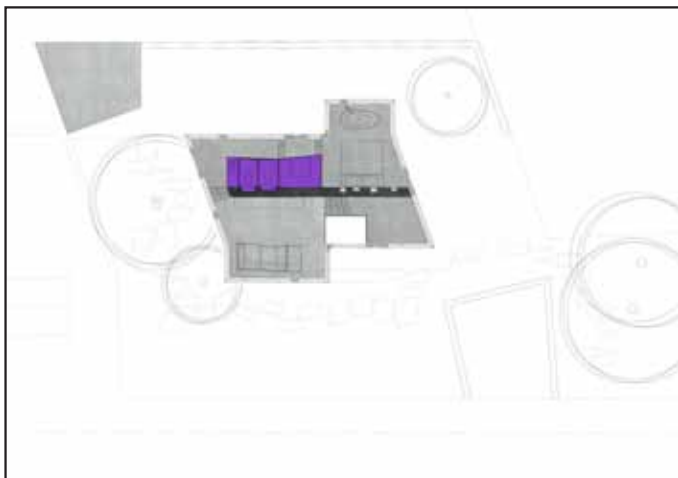
Architect Boris Egli

Nature Inspired

A classical residential house with solid outer walls, conventional access staircase and traffic area had no space on this site. After the removal of border limit clearances only 5 m x 9 m were left in this small steep plot at the vineyard at

Dielsdorf. This plot for long had been considered unbuildable.

A beautiful nature inspired end result is the transformation of this space into a magnificent vine like structure and design.



Rooms and structure in this quaint house are one entity resulting from an interdisciplinary collaboration between the architects and the building engineer. The sculptured reinforced concrete and steel framework in black-coloured exposed concrete is omnipresent in the form of walls, ceilings, floors and even the bookcase are a part of the framework. Floor beddings, sound insulation, flooring, plaster work and paint work that would cover the framework do not appear. The residence is reduced to the elementaries on naked exposed concrete, complemented through diverse handmade furniture and enveloped in a glass mantle.



The subterranean access to the building is through the carport. One enters the building through an up to 5.44 m high entrée. A cellar and house services room are attached to the entrée. A double bedroom with bath is likewise entrenched into the slope. These rooms are provided with light through both a space divided into different heights and a skylight.

AN HONEST CONCRETE WORK HAS BEEN DEVELOPED WITH THE VINE AS A MODEL. THE CENTRAL VERTICAL WALL AS THE MAIN SUPPORTING ELEMENT BUTTRESSES THE BUILDING AND TAPERS WITH THE INCREASING HEIGHT OF THE BUILDING, CORRESPONDING TO THE LOAD. THE OFFSET OF THE CEILINGS IN THE DIFFERENT STORIES BUILDS RIBS, ALLOWING THE BUILDING TO GROW IN DEPTH AND SHAPE THE SUSPENSION OF THE LEAVE-LIKE CEILINGS. THE SUPPORTING SYSTEM THAT IS DEVELOPED FROM THE INSIDE TO THE OUTSIDE TOTALLY ABSTAINS FROM STATIC ELEMENTS IN THE FAÇADE.

Construction Engineer Urs Oberli

Ascending the stairs one comes to the concrete bookcase, which acts as a horizontal bracing for the framework. From here, an ongoing sequence of diverse areas through platforms and levels begins: office 4.6m²; dining 10.5m²; multi-purpose 7.9m²; kitchen 6.7m²; storage 5.2m²; reading corner and guest area 4.8m²; living 15.4m²; bath 7.5m²; dressing 3.8m² and sleeping including bath 11.4m².



This double bedroom is sectioned by a middle wall, which like an anchor, builds the static abutment for the main middle wall.



THE ARCHITECTURAL REDUCTION TO THE MAXIMUM WAS A CHALLENGE FOR CONSTRUCTION PHYSICS. DESPITE LOW U-VALUES ($U_g = 0.60 \text{ W/M}^2\text{K}$, OPAQUE COMPONENTS BETWEEN $0.14 \text{ W/M}^2\text{K}$ UND $0.20 \text{ W/M}^2\text{K}$) THE ENERGY EFFICIENCY EVIDENCE WAS ONLY POSSIBLE THROUGH SEPARATE STRUCTURAL COMPONENTS. THUS, THE OVERALL ENERGY TRANSMITTANCE OF THE GLAZING SHOULD NOT BE LOWER THAN 30% IN RELATION TO THE SUMMER WARMTH PROTECTION, WHICH WITH A WINDOW SURFACE IN RELATION TO THE ENERGY REFERENCE SURFACE OF 140% WAS A FURTHER CHALLENGE.

Construction Physicist Stephan Huber



THE SURROUNDING LANDSCAPE OF FIELDS, HEDGES AND FRUIT TREES ARE PICTORIALLY INTEGRATED IN THE COMPOSITION AND ARE SEAMLESSLY GUIDED INTO THE GARDEN. MAJESTIC CHERRY TREES REACH WITH THEIR BRANCHES NEAR TO THE HOUSE AND TAKE EFFECT IN THE LIVING ROOM.

THE HOUSE ENTRÉE AND OUTDOOR SITTING AREA EXPRESS THEMSELVES AS PRECISE CUTS IN THE GROWN TERRAIN. STEPPING STONES MADE FROM LEFT OVER CONCRETE FROM THE HOUSE SEEM TO FLOAT OVER THIS AND REINFORCE THE IMAGE IN AN OTHERWISE ABANDONED TOPOGRAPHY.

Landscape Gardener Nils Lüpke



THE DOMINANT STRUCTURE OF THE FRAMEWORK IS ILLUMINATED BY LED LIGHT LINES BUILT INTO THE BUILDING'S CASING. WHEN ONE MOVES FROM ONE ROOM TO ANOTHER IN THE ARCHAIC CONSTRUCTION THE ARCHITECTURAL LIGHT APPEARS LIKE A CONTEMPORARY TOUR OF TORCHES. THE LIGHT LINES SITTING IN THE WINDOW FRAMES THROW A DIFFUSE BASIC LIGHT INTO THE INNER CORE.

Light Planner Thomas Schoch

Architect:	L3P Architekten ETH FH SIA AG, Unterburg 33, CH-8158 Regensberg
Building Constructor	Private Owner
Building Engineer	Bona + Fischer Ingenieurbüro AG, Rütlistrasse 20, CH-8400 Winterthur
Landscape Gardeners	vetschpartner Landschaftsarchitekten AG, Neumarkt 28, CH-8001 Zürich
Light Planner	Lichtblick, Neufeldweg 6, CH-5103 Möriken
Building Physics	Wichser Akustik & Bauphysik AG, CH-8052 Zürich
Photographer	Vito Stallone, Bleicheweg 5/ B5, CH-5605 Dottikon
Project & Realisation	2006 - 2014
Lot Size	291m2

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