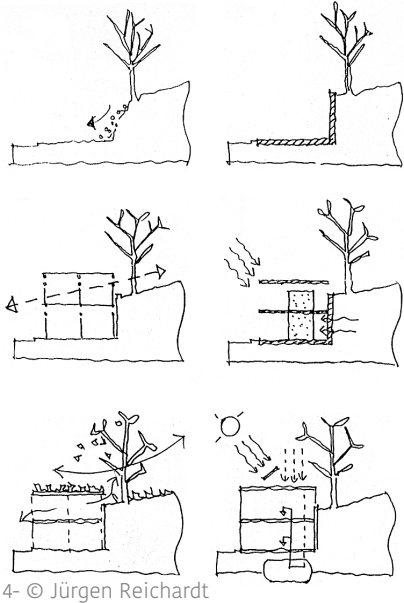# Home and Studio

Essen | Germany
Jürgen Reichardt
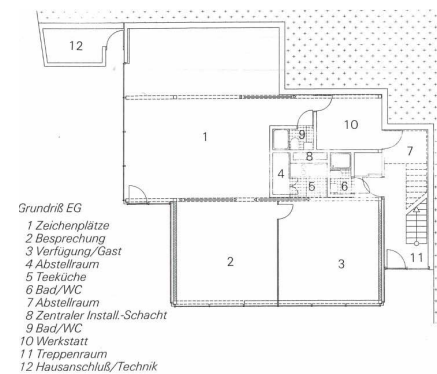

1

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3- © Jürgen Reichardt

4- © Jürgen Reichardt

5- © Jürgen Reichardt

6- © Jürgen Reichardt

7- © Jürgen Reichardt

Hangschnitt
1 Küche
2 Bad/WC
3 Eltern
4 Besprechung
5 Teeküche
6 Werkstatt
7 Solarkollektor

8- © Jürgen Reichardt

Grundriß EG
1 Zeichenplätze
2 Besprechung
3 Verfügung/Gast
4 Abstellraum
5 Teeküche
6 Bad/WC
7 Abstellraum
8 Zentraler Install.-Schacht
9 Bad/WC
10 Werkstatt
11 Treppenraum
12 Hausanschluß/Technik
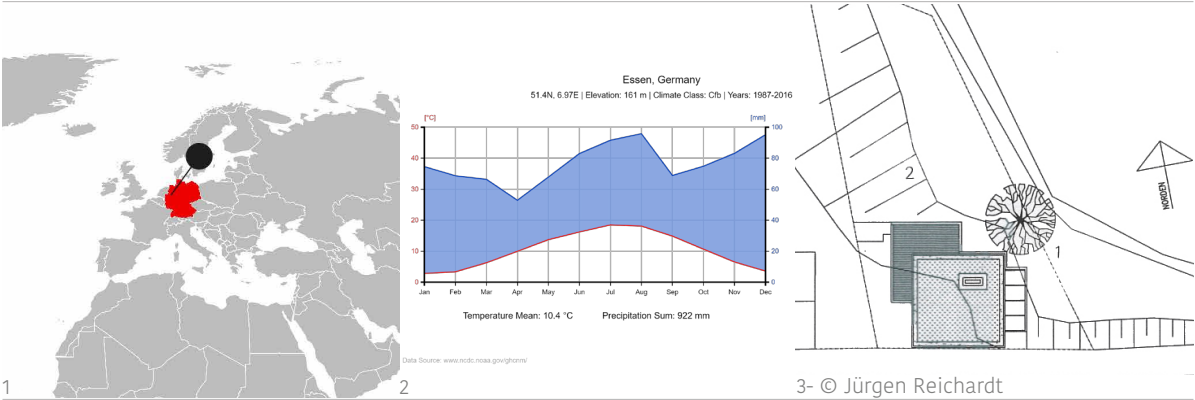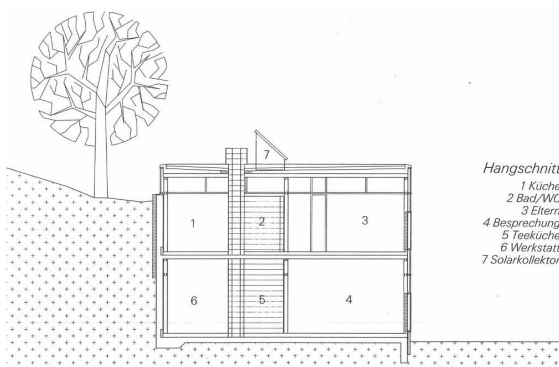
9- © Jürgen Reichardt

Aspects geography | Topography | Vegetation

The architects Jürgen Reichardt and his wife Anuradha Reichardt built their own house in 1995 on an old coal deposit. The building is lowered into a 20-foot slope on the northern side.

Building volume | Zoning

The building is separated into two floors with different usages. The ground floor used to be an architecture office and is now a private work space combined with a guest bedroom. The upper floor is used as the private area and is connected to the garden, from which the green roof blends in to the surrounding nature. The open structure of the floor plan is built around a solid core, which includes the bathroom and the kitchen.

Material | Construction | Building techniques

The building is constructed by a prefabricated steel structure and a reinforced concrete supporting wall that is facing the slope of the site. The highly insulated facade, consisting out of glass panels, is interrupted by redwood elements, which make the building seem to be hybrid.

Sustainability | Energy | Ecology

The concrete wall facing the hillside is capable of using the constant thermal energy stored in the slope to cool the building in the summer and minimizes the use of heating during winter. The building reaches an energy heating demand of 49 W/qm a. The architect minimized sealed surfaces through compact construction and roof greening, rainwater circulation and solar collectors.

by Ilka Drixelius – student @ Münster School of Architecture

Picture Credits