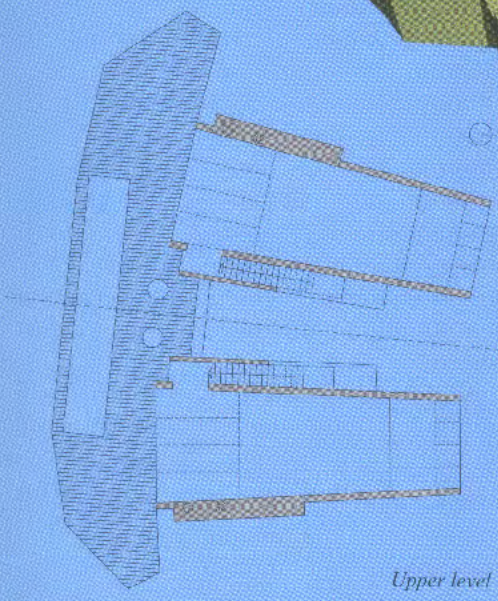
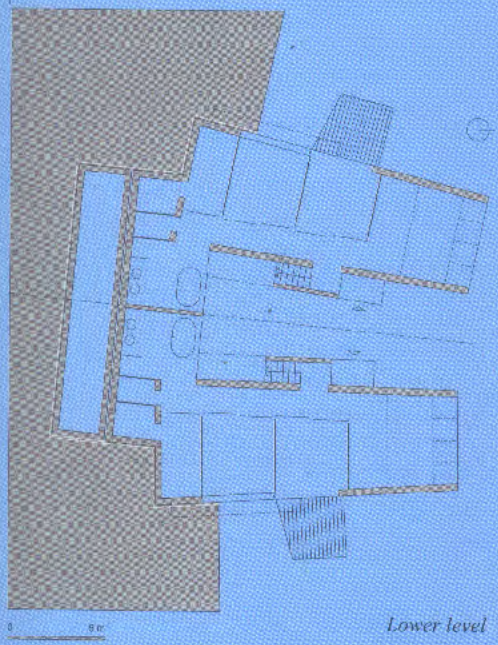
QUERKRAFT

DOK HOUSES
Klosterneuburg, Austria
Design: 2002–03
Construction: 2003–04



Upper level



Lower level

Assignment
An unusual assignment: A married couple have ordered two houses to be built for their two adult daughters. The buildings should be exact mirror images of each other. The decision on who should have which building will be made at a later date.

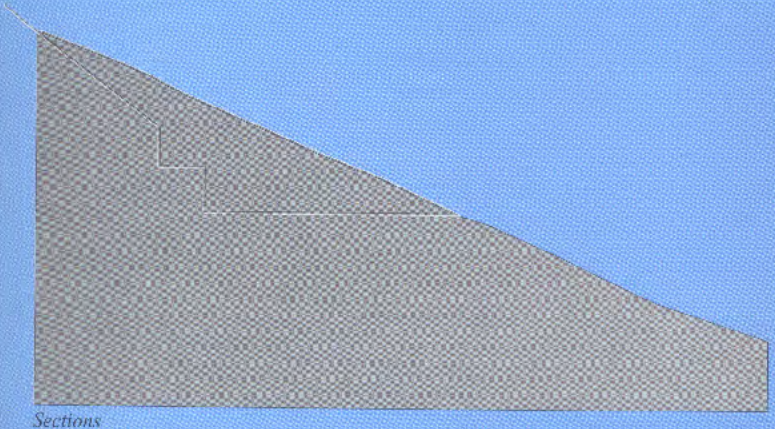
Building plot
The building plot lies in a small village on the outskirts of Vienna: A 21° steep incline, in a northerly direction. Due to the steep incline of the ground, the sun is not visible for few weeks of the year. Thick forest encircles this charming building plot. Such an assignment requires a special response.

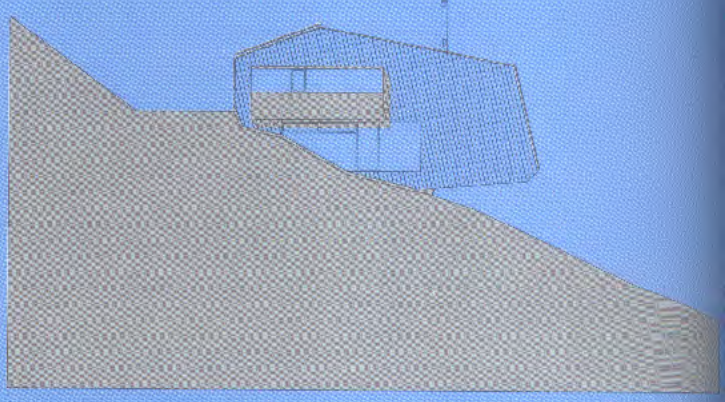
Orientation
Both buildings extend outwards from the forested land and orientate, with their abundant glazing towards the opposite slope. The slope of the glazing on the south side and the sliding doors that open to the pool trap the longed-for sun. Light flows into the whole living area.

Concept of space
Using airspace, a completely open-plan upper living level is combined with a more private lower level.

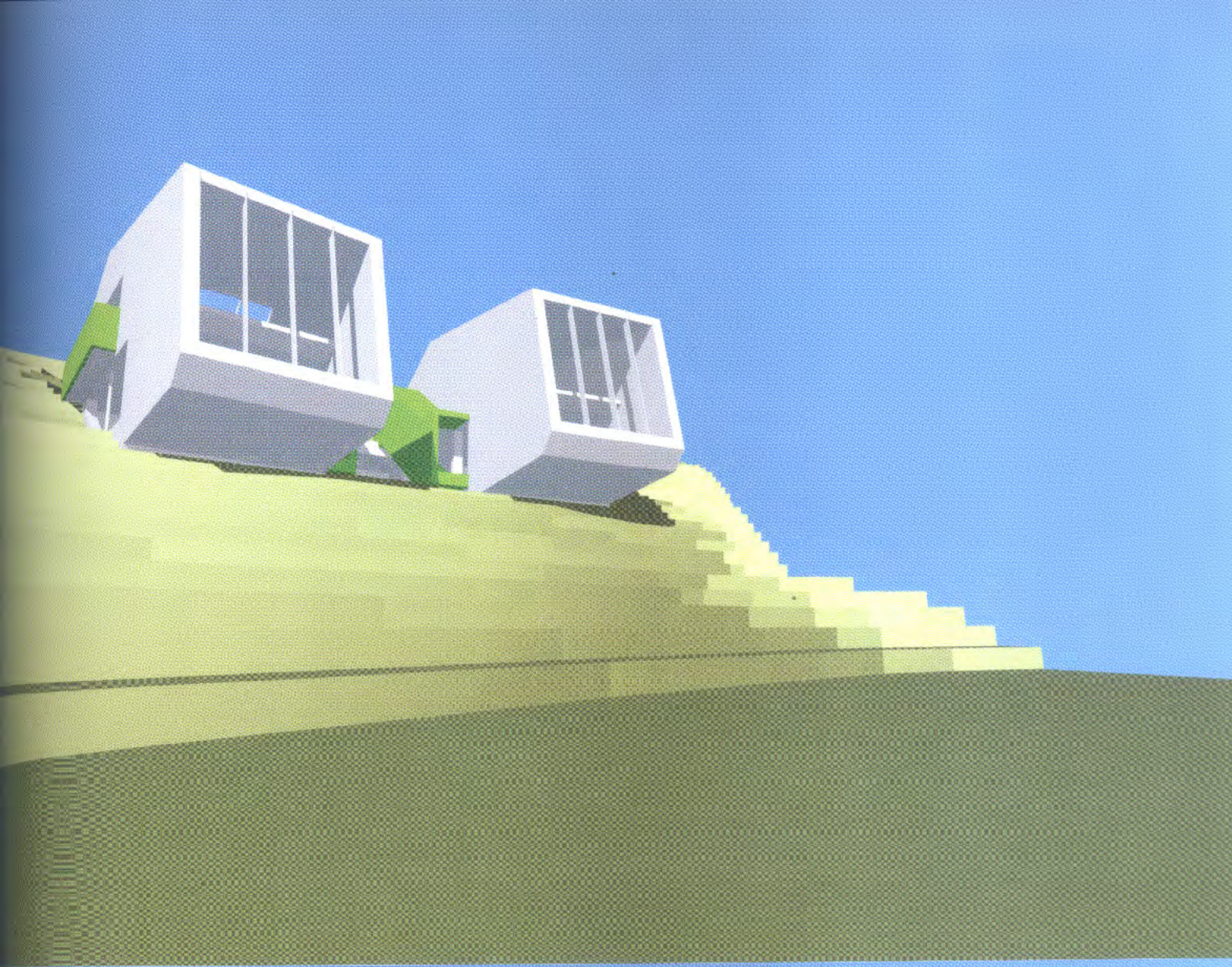
Construction
A reinforced concrete base plate protrudes from the site. Within two days, the building shell is erected from prefabricated timber elements.

Material
The exterior shell of the main building construction is made of a finished timber cladding and attached building parts are coated.



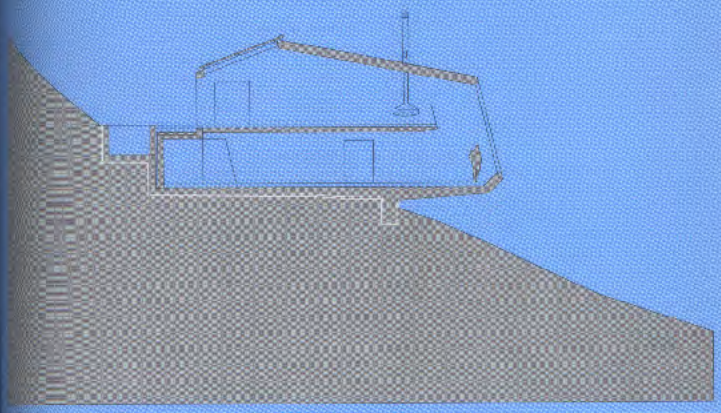


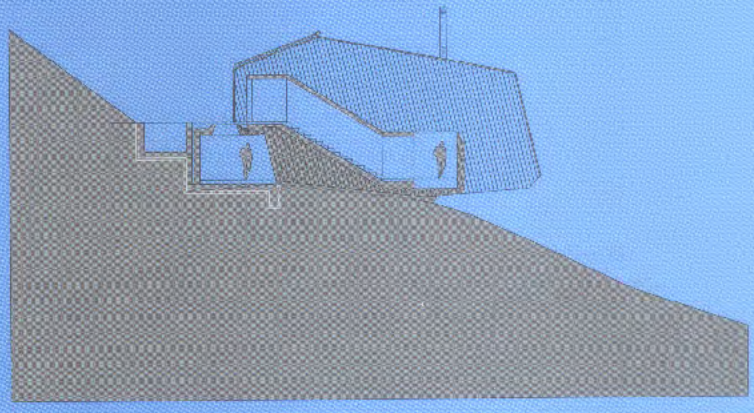
Sections



〈課題〉
風変わった課題。ある夫妻が，成人した2人の娘のために2軒の住宅を依頼してきた。2軒の家は，互いに正確な鏡像でなければならない。どちらがどちらの建物に住むべきかは，後で決定されるだろう。
〈敷地〉
敷地は，ウィーン市の外れにある小さな村のなかである。北に向かって21度の急斜面となっている。急傾斜のため，太陽は年間数週間しか見えない。深い森がこの魅力的な敷地を囲んでいる。こうした課題には，特別な答えが必要だ。
〈方位〉
南方の建物は木の生い茂る場所から外に伸び，豊かなガラス面を反対側斜面に向けている。南側のガラス面の傾斜とプールに開く引き戸は待ち望んだ陽射しを取り込む。陽射しはリビング・エリア全体に流れ込む。
〈空間のコンセプト〉
完全なオープン・プランで構成された，上のリビング階は，エアスペースによって下のよりプライベートな階と連結される。
〈建設〉
鉄筋コンクリートの基盤が敷地から突き出される。2日のうちに，建物の外郭が，プレファブの木材エレメントから立ち上げられる。
〈材料〉
建物主要部の外郭は磨いた木材で被覆され，付属の建物部分は土塗りされる。

Architects: querkraft—Jakob Dunkl, Gerd Erhartt, Peter Sapp, Michael Zinner, principals-in-charge; Michael Anhammer, project architect
Clients: Mr. and Mrs. Gratzer
Consultants: Gmeiner + Haferl, structural
Major materials: concrete, wood, glass
Site area: 1,098 m²
Total floor area: 314 m²
Costs: 1,300 euro/m²





sections