

Hooke Park Caretaker's House • 胡克公园看守人的住宅

Invisible Studio with AA Inter 2

Client | Architectural Association, London Area | 120 m²

The Caretaker's House at HookePark is truly ground breaking. Invisible Studio were commissioned by the world's preeminent architecture school – the Architectural Association – to develop a student concept design into a prototypical low cost timber exemplar building using only timber grown and felled on site, and in its green state.

The building uses unseasoned larch / cedar / poplar / douglas fir / spruce as appropriate, uses wood for heating and also for insulation. It is (as far as Invisible Studio are aware) the world's first green timber building insulated to passivehaus standards, with passivehaus airtightness.

The construction process is super-efficient. There are no wet trades whatsoever – the mini piles are steel and the only non timber structural item.

胡克公园“看守人的住宅”是真正的地面创新。世界最杰出的建筑学校“建筑协会”委托“无形工作室”将一个学生概念设计开发成一个典型的低成本木制示范建筑，要求只使用在场址上种植和砍伐的木材，并保持场址的绿化状态。

建筑合理使用未成熟的落叶松、雪松、杨树、道格拉斯冷杉、云杉，使用木柴取暖和绝缘。这是世界上的第一个绿色木制房屋，绝缘体实行 passivehaus 标准和气密性。

施工过程是超高效的。无论如何，没有湿施工——微型桩是钢制的，这是唯一的非木材结构项目。

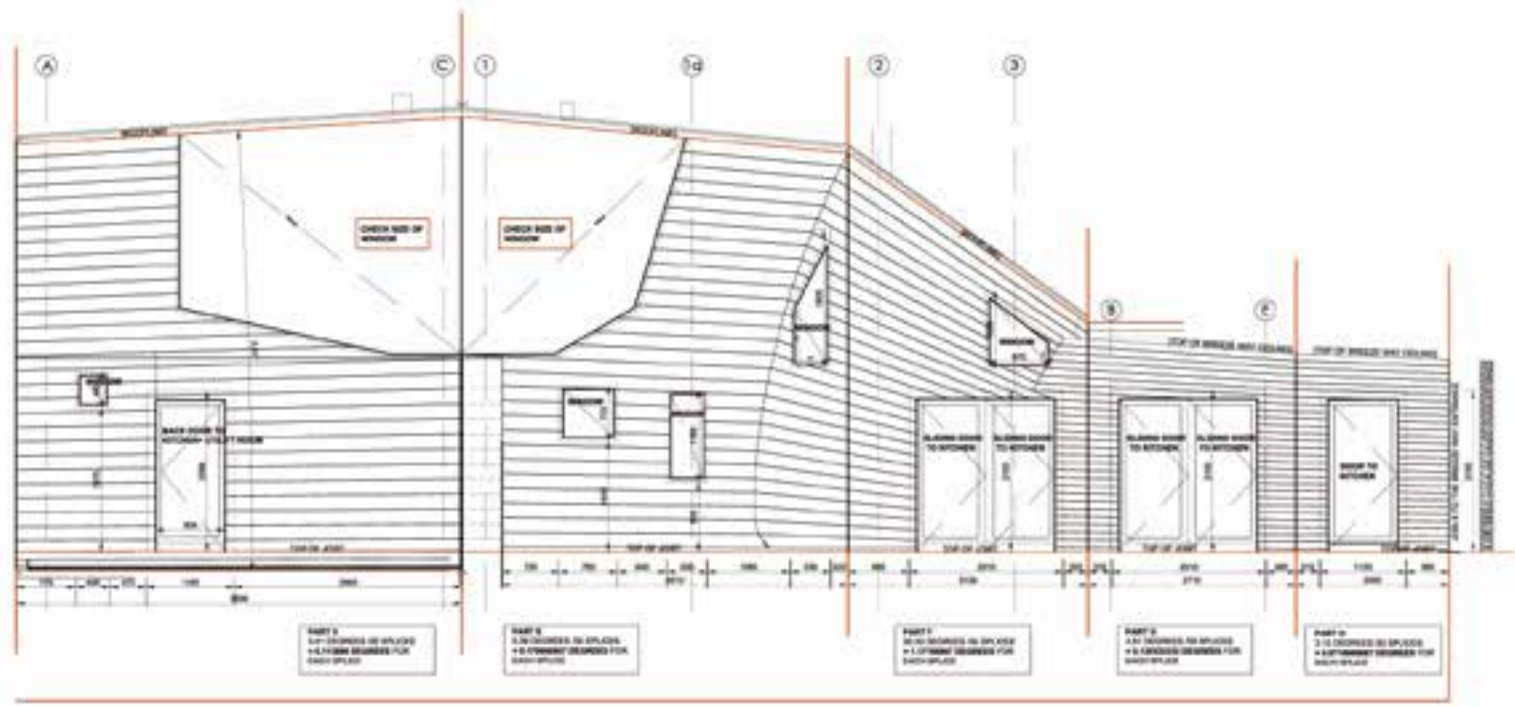
The key move of the building is the 'heavy' north wall to provide privacy and insulation, and is very open to the south where there is a large inhabited verandah conceived of as an extension to the living space. The roof form is generated by, at one end, the need to gain maximum east sunlight penetration into the master bedroom, and at the other end, a living space with high natural surveillance over the campus. The bed and living spaces are separated by an open 'dog trot' allowing framed views out into the forest.

Even the joinery was manufactured on site – the kitchen (which uses exposed copper piping for taps) has chunky timber work tops, and the stairs uses an innovative dry jointed system that gains strength as the timber dries. The handrail uses mild steel bent piping, welded on site.

建筑的关键是：厚重的北墙提供隐私和绝缘，且向有一个大型生活阳台的南边敞开，阳台构思为对生活空间的扩展。在一端，由于需要来自东方的阳光最大化渗透进主人的卧室，产生了这种屋顶形式；在另一端的一个生活空间里，可以对校园进行高度自然监视。卧室和生活空间被一个开放的“慢快步”隔开，从这可以看到森林的景致。

甚至，细木工制品是在场址上制造的。厨房里有厚实的木制工作台，楼梯使用一个创新的有着干木材强度的干接缝系统，扶手采用在场址上焊接而成的低碳钢弯曲管道。





GLAZING ELEVATIONS, FOUR OF FOUR

