

# PF Single Family House | PF 独栋别墅

**Architecture Design / 建筑设计 :** BURNAZZI FELTRIN ARCHITECTS with Paolo Pegoretti **Design Team/ 设计团队 :** Elisa Burnazzi, Davide Feltrin, Paolo Pegoretti **Location / 地点 :** Italy **Area / 面积 :** total 430 m<sup>2</sup> **Photography / 摄影 :** Carlo Baroni

PF 独立式住宅是一个重建项目，原建筑坐落于一片完美的建筑环境中——在这里不仅可以欣赏到山谷中美丽的风景，还可以享受充足的阳光照射。设计师主要的设计目标是节能技术应用于建筑内外空间的设计中。新建筑的钢筋支撑结构是一个独立存在的结构：一根大梁将建筑的二层与室内顶棚连接起来，而建筑的一层则没有设置一根柱子。

建筑外墙由预先制造且预先放置的木材装饰而成，这些建筑材料都具有散热低的特点。整个住宅具有良好的通风条件。接受太阳光辐射的墙壁地板可以提高或降低建筑的温度。太阳能系统为建筑提供了热水，电力系统则应用了家庭自动化技术。

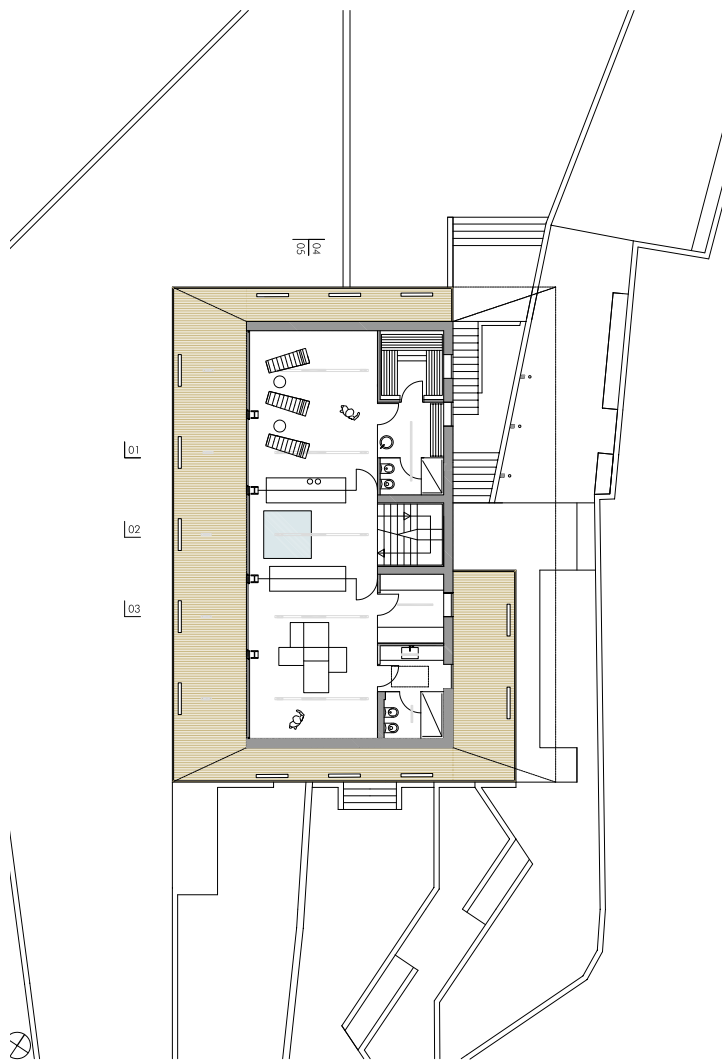
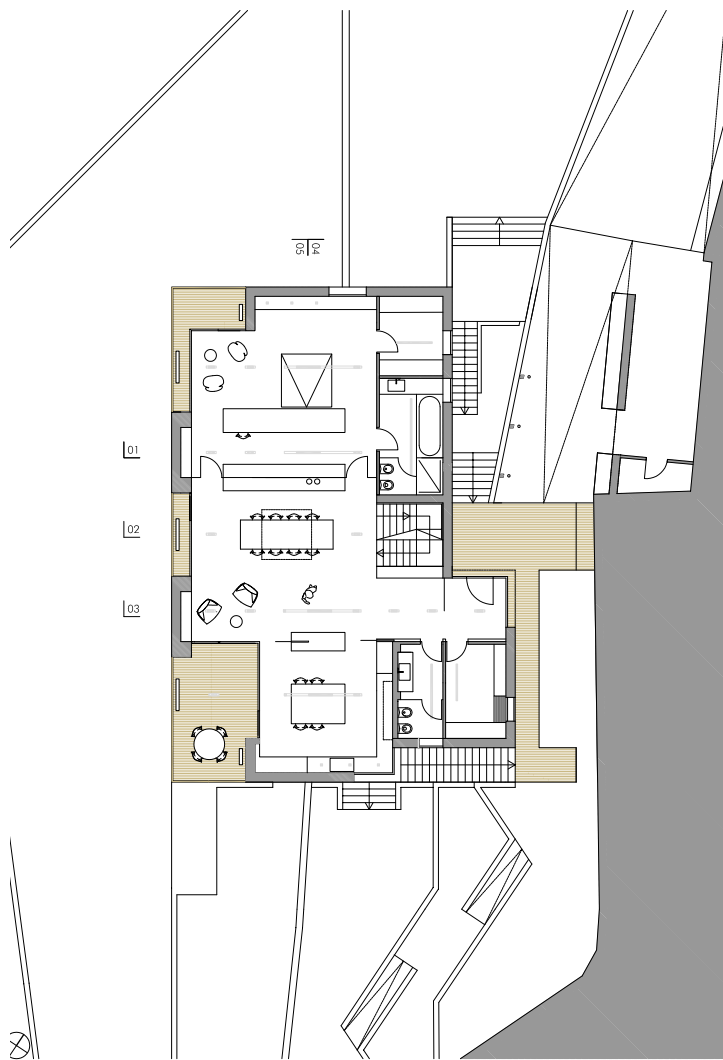
The PF single family house, the remodeling and rebuilding of an already existing edifice, lies half way along the ridge below the medieval castle of PergineValsugana and it is located in an ideal position, both as to the beautiful view on the valley it enjoys and the sun exposure, excellent all year around.

The main characteristics of the design and planning are the structure, the energy efficiency and the spatial inside-outside continuity.

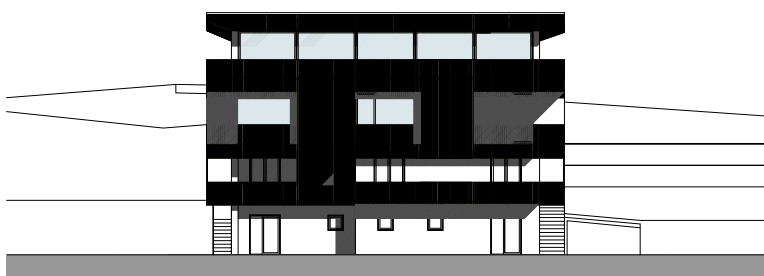
The steel supporting structure of the enlargement is completely independent from the already existing edifice: through a Vierendel beam, the first floor is connected to the ceiling, thus allowing a totally pillar-free ground floor.

The edifice core is characterized by high energy performance elements: the outside walls are made up of prefabricated-preassembled wood with wooden fiber panel insulation, the larch casing and frames are low emission of heat. The whole-house systems use high efficiency ventilation. Radiant walls and floors are used for heating and cooling. Solar powered system provides hot water and domotic technology characterizes the electric system.

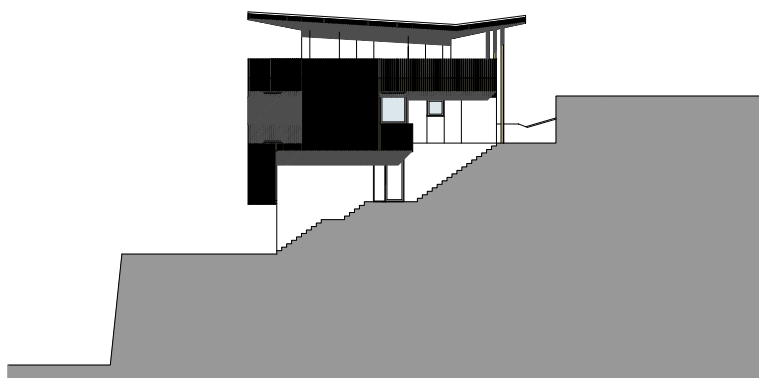




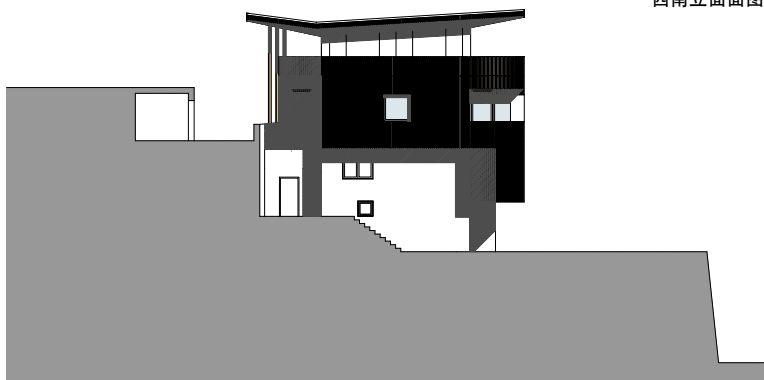
平面图



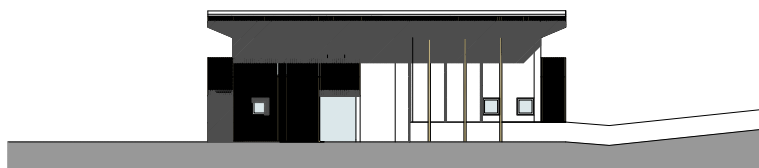
西南立面图



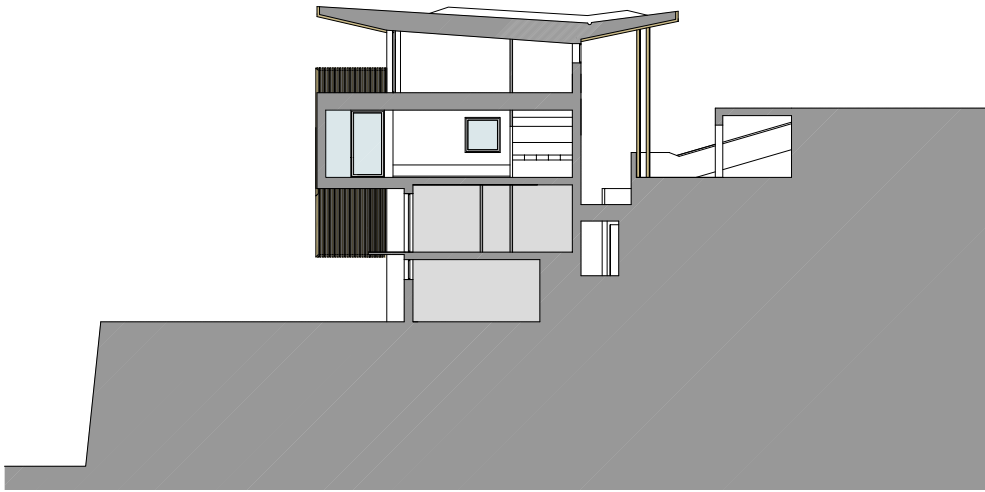
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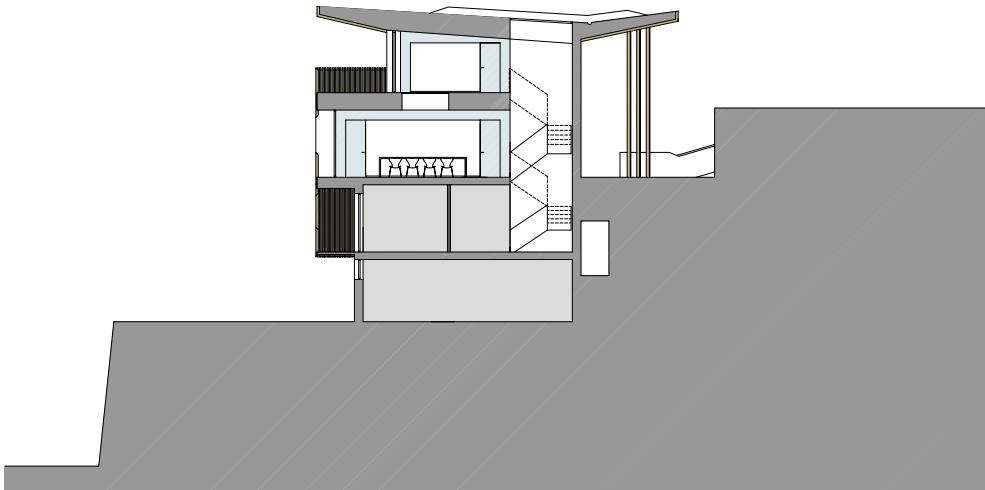
西北立面图



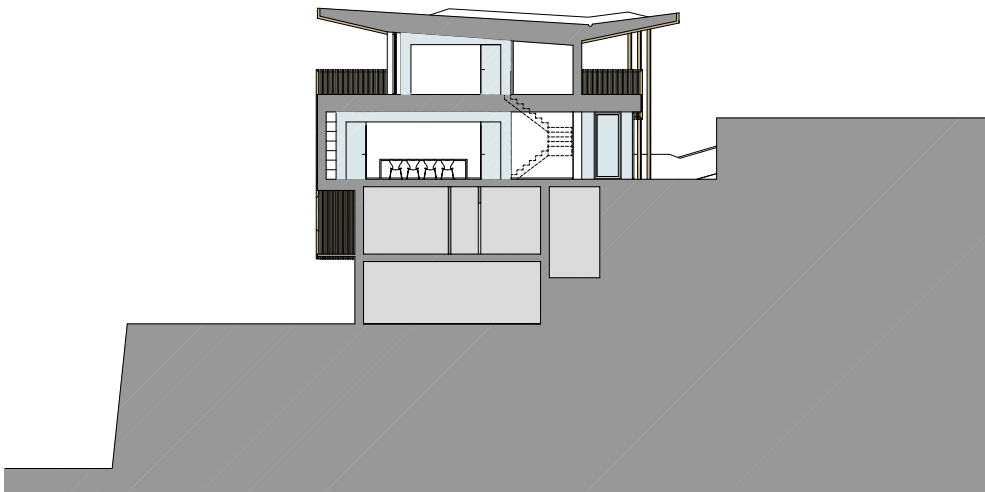
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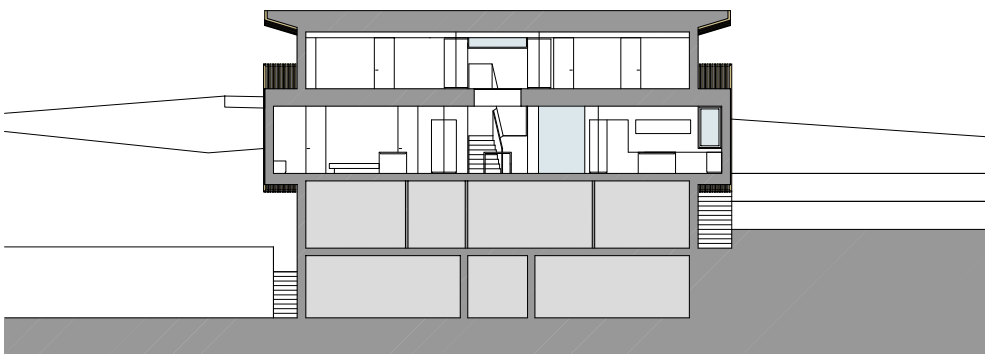
1-1 剖面图



2-2 剖面图



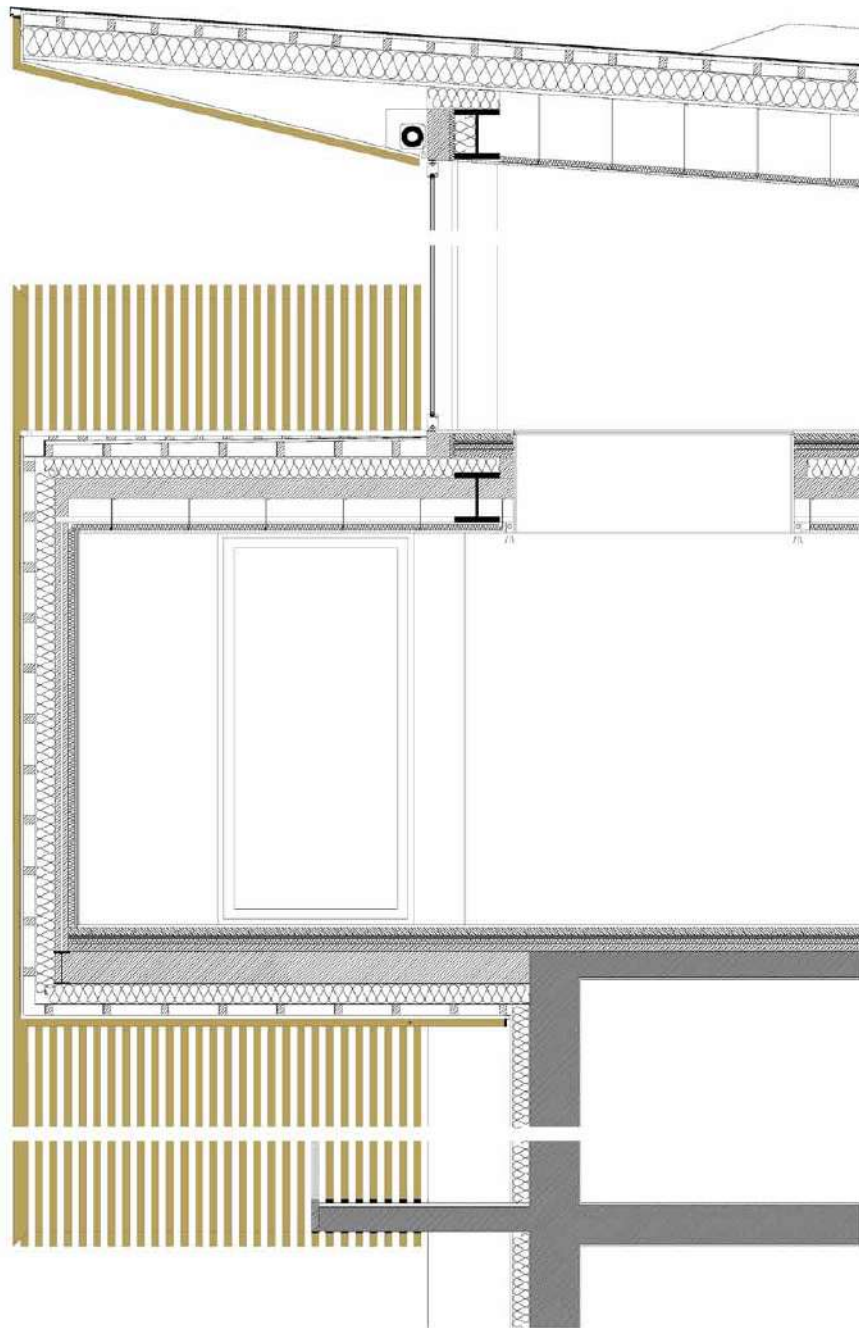
3-3 剖面图



4-4 剖面图



5-5 剖面图



剖面详图