



EINSTEIN MEDICAL CENTER MONTGOMERY

爱因斯坦医疗中心蒙哥马利分院

项目地点：美国，宾夕法尼亚州，东诺里顿

建筑面积：约33 400m²

建成时间：2012年9月

建筑设计：Pekins+Will建筑事务所

建筑设计总负责人：Robert Goodwin

室内设计总负责人：Carolyn BaRoss

医疗规划师：Jean Mah, Brenda Byrd

设计团队：Rob Goodwin, Carolyn BaRoss, Jean Mah, Julio Colon, Anthony Caputo, Laura Morris, Tim Nichols, Danielle Masucci, John Rodenbeck, Sally Hinderegger, Nora Bergsten, Ellen Young, Jennifer Tinsley, Steve Danielpour, Bill Nation, Marvin Williams, Robert Stansell, Cheryl Woo

管理团队：Chris Bormann, Rick Paul

摄影：Halkin Mason Photography



总平面图

爱因斯坦医疗中心蒙哥马利分院是美国宾夕法尼亚州东南部十年来建成的首个国际一流的重要医疗设施。建筑所在场地原是一片高尔夫球场，与占地40余公顷的农庄公园毗邻。这所医院是面向21世纪的综合型医疗服务设施，致力于服务本地区的关键性就诊需要，通过将呼应性的场地设计、建筑设施、室内设计和成熟的医疗规划经验相结合，凸显周边优美的自然景观。

新院楼拥有96张医疗/手术病床、22张重症监护病床、20张产前/产后病床和8张新生儿重症监护病床。除此之外，还有一栋两层的医学美容楼。这些建筑既以动感的姿态展现医疗技术的卓越性，又营造出充满关爱和关怀的环境，而且还与场地上所保留的约12公顷的田园式公共开放空间形成互补关系。

医院建筑的设计出发点很简单。首先，设计遵循场地既有的地势条件，将两层的医技平台建筑体量融合到场地斜坡之中，形成南面双层和北面单层的建筑组合。选用哑光的大地色系材料，将建筑体量和地面联系起来，减少体量压迫感。接下来，在这个医技平台的上方设置病房，病房区体量呈流线型，和街道形成动态的交流。建筑底层采用嵌入式拱廊，东侧的建筑体量酷似“船首”，进一步渲染了建筑的动态感。选用浅色且近乎于白色的建筑材料来模拟当地水平层次感很强的长石，强化了建筑的现代表现力。

病房区体量向室外景观和入口车道的方向前倾，以此分解建筑的体量感。玻璃覆面的通高中庭界定了医院的客患主入口。在中庭的大空间里设置一连串直通主电梯的楼层退台，为访客提供便利的等候区，还能使访客有机会欣赏附近农庄公园和远处的田园美景。

护士站紧靠病房外侧，室内布局的设计在不减损患者就诊体验的情况下，不仅提高了员工的工作效率，还提升了工作流程。为了平衡病房私密感和留观护理需要之间的矛盾，每间单人病房都配有内窗，

Sited on a former golf course and adjacent to a 100-acre farm park, the Perkins+Will designed new Einstein Medical Center Montgomery is a world-class hospital marks the first major healthcare facility built in southeastern Pennsylvania in over a decade. It is a comprehensive, 21st-century healthcare facility dedicated to serving the vital needs of the region while also celebrating the beauty of the surrounding natural landscape through a strategy that integrates responsive site, architectural, and interior design with sophisticated medical planning.

The building—made up of 96 medical/surgical beds, a 22-bed intensive care unit, a 20-bed post partum/antepartum unit, and an eight-bed neonatal intensive care unit, as well as a two-story medical arts building—creates a dynamic expression of medical excellence while offering a caring and welcoming environment. Adding to this, nearly 30 acres of open space was preserved to create a complementary pastoral setting.

The massing of the hospital begins simply. First, a low two-story diagnostic and treatment (D+T) platform integrates with the topography of the landscape by setting its mass into the existing slope, resulting in the two southern stories becoming a single northern story. Muted, earth-tone materials help to help tie this mass to the ground and minimize its bulk. Second, above and interlocking with this D+T platform, the patient bed-wings are configured as a streamlined linear form that creates a dynamic presence to the street. A recessed arcade below and a sculptural ‘prow’ to the east help accentuate this dynamic quality. A light, nearly white color palette simulates the layered, horizontal stone of the region and reinforces the modern expression.

The patient bed-wings inflect towards the view and the entry drive in order to break down the scale of the building. At the point of this inflection, a multi-story glass atrium defines the hospital’s main public entry for visitors and patients. Within this space, a series of terraced balconies, accessed directly from the main elevators, provide convenient waiting areas for visitors while offering dramatic views of the farm park and countryside beyond.

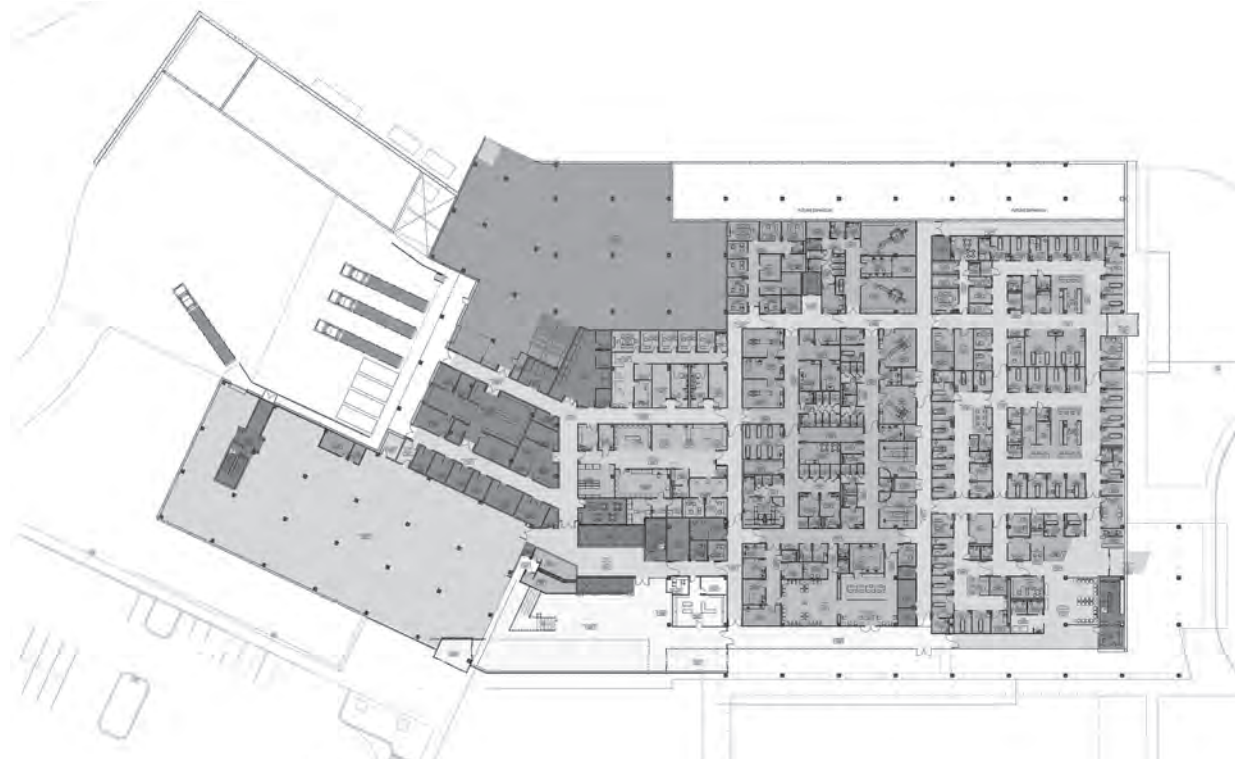
With nursing stations located just outside the patient rooms, the interior layout enhances staff efficiencies and workflow without compromising the patient experience. To achieve a balance between privacy and observation,



建筑北视图



从楼上俯瞰中庭



首层平面图



中庭楼梯



二层平面图



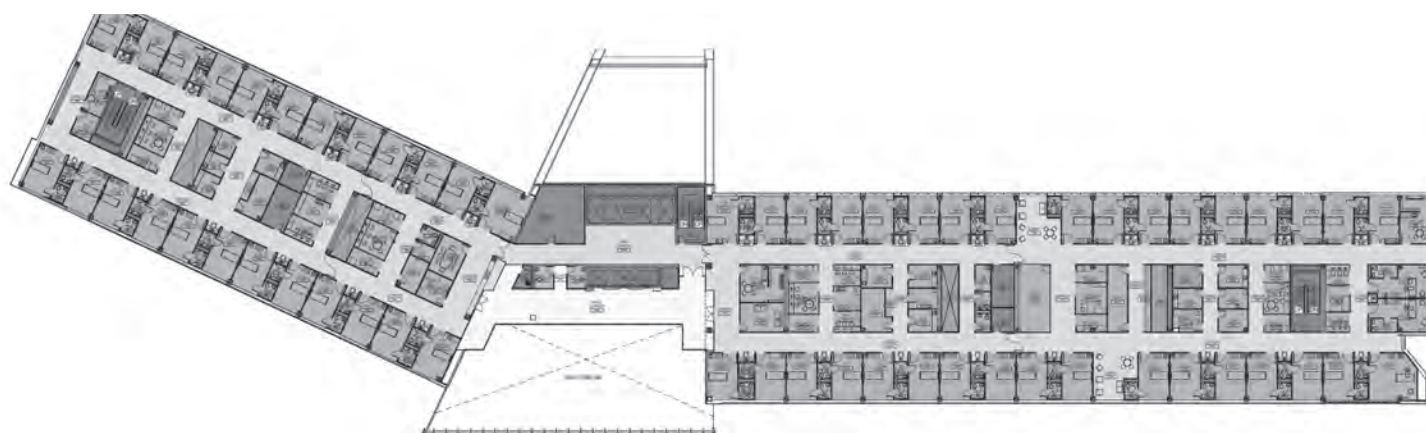
中庭内部



中庭旁的餐厅

窗户的百叶帘从内外两侧均可开合，使护士在病房门关闭的状态下仍能监查患者的病情。在设计过程中，家属被构想成协作式护理团队的一份子，这一理念经由病房设计得以强化。在病房家属区配备活动式沙发床以便家属放松心情和过夜陪护，还设有娱乐设施，并可提供病房送餐服务。用于病房、走道及其他公共空间的艺术陈列品都是根据本地特色精选的，意在为人们带来平和静谧的视觉感受。

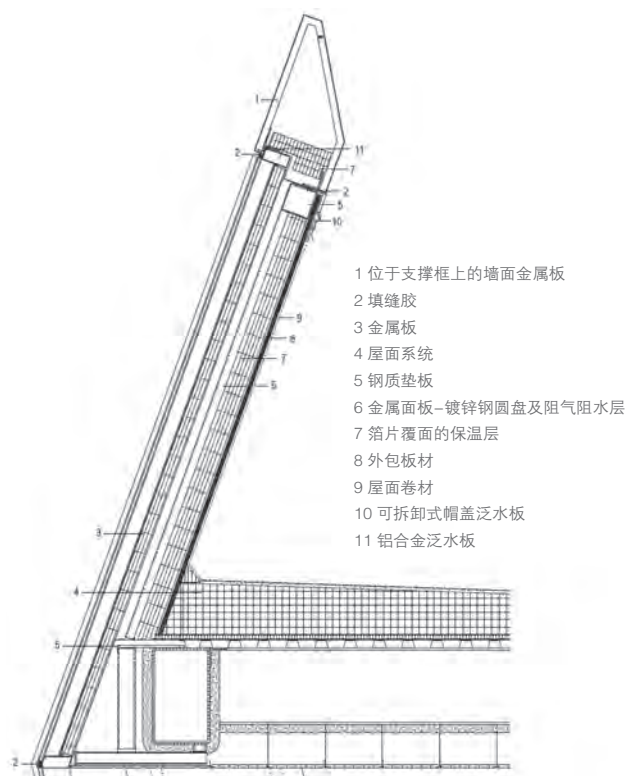
individual rooms have interior windows, with blinds that can be opened and closed from both sides, which enable nurses to monitor patients through closed doors. Families are envisioned as part of a collaborative care team. This is reinforced through the design of the patient rooms, with family areas outfitted with convertible sleeper sofas for relaxation and overnight stays, entertainment systems, and access to room service meals. Patient rooms, corridors, and other public spaces showcase art specifically selected for visual serenity and regional relevance.



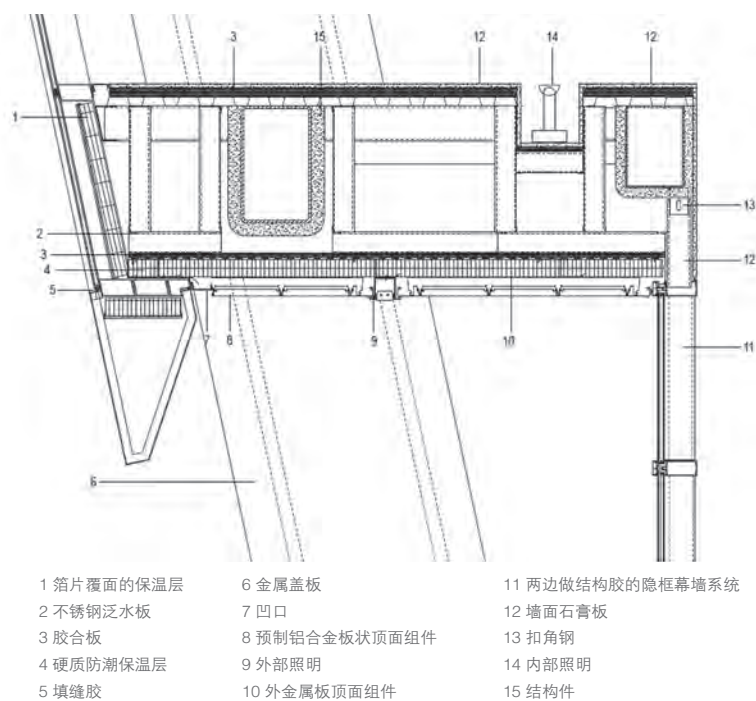
三层平面图



急诊护理病房



外墙剖面一：女儿墙位置



外墙剖面二：顶板位置



病房配有模块式工作站



中庭的病房入口



建筑主入口雨篷

我们采用环保理念推进项目的工作，新建的医院已获得LEED银级认证。可持续设计和施工方法包括：选用无需饮用水灌溉的本土景观植物，采用运营能耗成本较低的经过设计优化的机械系统，使用可回收成分所占比例较高的建筑材料等等。这座医院将向社区展现负责的环保形象，使患者、员工和本地的生态体系都能从中受益。（译/严佳钰，校/张洁）

The new hospital has been designed to achieve LEED Silver certification, with Perkins+Will taking an environmentally sensitive approach to the project. Sustainable design and construction elements include native landscaping that does not require potable irrigation, optimized mechanical systems that reduce operational energy costs, and building materials with high percentages of recycled content. The building will enable the hospital to demonstrate an environmental stewardship to its community, benefiting patients, staff, and the local ecosystem. **AT**