

基建也有型

——基础设施建筑

STYLISH INFRASTRUCTURES



Bekkering Adams

弗利星根消防局

增压泵站

基建仓库

舒曼集团总部

Bekkering Adams

Firestation Vlissingen, Middelburg

Booster Pump Station East

Infrastructure Depot

Head Office Schuurman Group

BEKKERING ADAMS

Bekkering Adams建筑事务所是一个充满活力和多方面发展的团队，由Juliette Bekkering 1997年创立于鹿特丹，2005年Monica Adams的加入使团队实力大增。

这个激情四射的工作团队共有8人，他们共同完成了很多杰出和创新性的项目。领域涉及从建筑群体设计到概念规划，从住宅设计到公共建筑，从城市设计到室内设计。历经多年，作品已形成独特的风格，建筑独特而引人注目。

团队的目标是创新设计与保存或恢复现存特征。关注点在于丰富和突出个体特征及提高建成环境质量。事务所的目的是赋予建筑灵魂，并创造一个业主为之自豪的可持续性的环境。事务所崇尚愉快、独一无二和个人表达，珍惜设计过程带来的愉悦。

FIRESTATION VLISSINGEN, MIDDELBURG

弗利星根消防局

项目名称：弗利星根消防局

设计者：Bekkering Adams 建筑事务所

设计团队：Juliette Bekkering, Sander Brand, Jason Williams, Paul Michielsen

结构工程：Goudstikker de Vries -'s Hertogenbosch b.v., -'s Hertogenbosch

装置咨询：Galjema b.v. Technisch Adviesbureau, Rijswijk

承包商：Sprangers Bouwbedrijf b.v., Terneuzen

设计类别：基础设施建筑设计

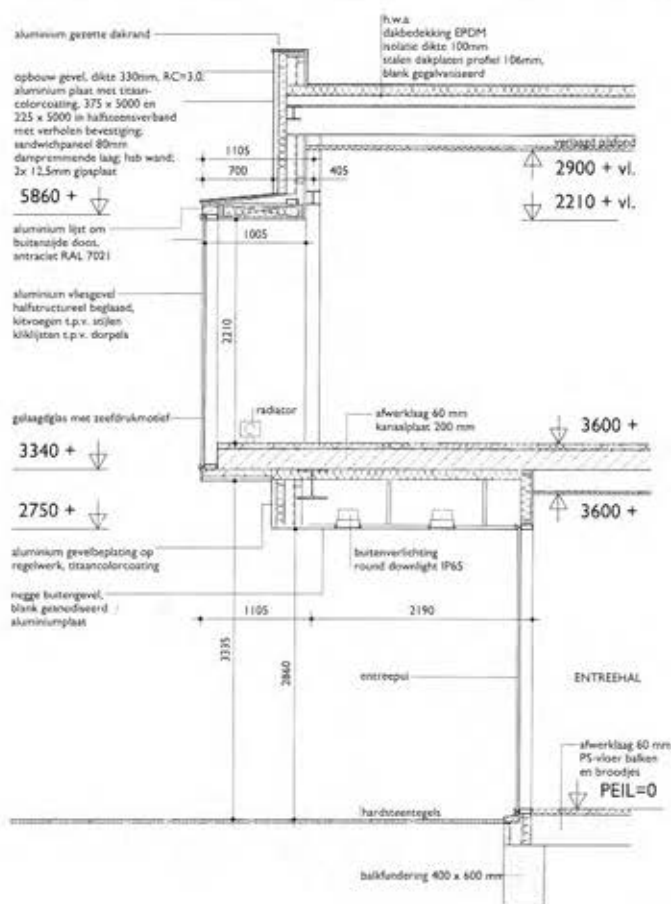
建设地点：荷兰 弗利星根

项目面积：2 700m²

委托人：Brandweer Huisvestings Consortium, Hoofddorp

设计时间：2002—2004年

建成时间：2004年



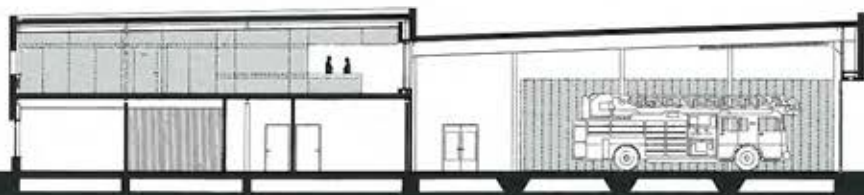
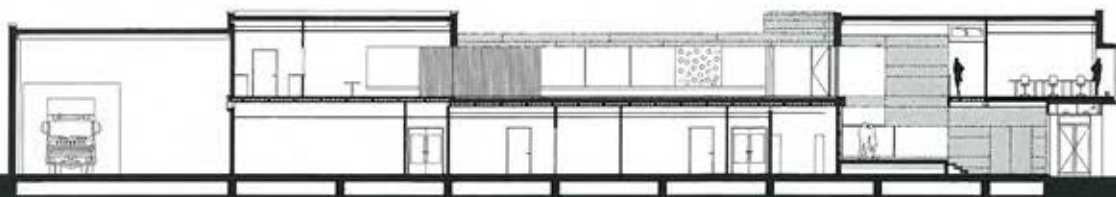
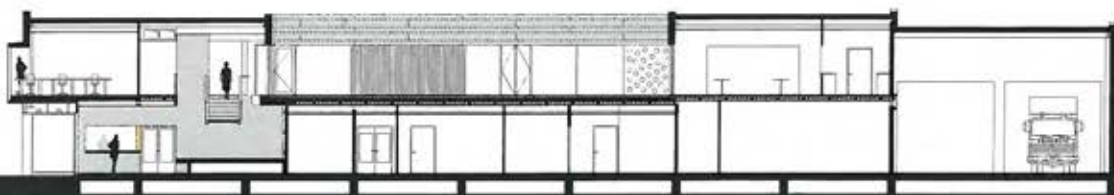
立面施工图





弗利星根消防局位于荷兰西南部米德尔堡市和弗利星根市之间的一处绿地。设计考虑到了与附近乡村景观的融合。消防局由两座L形建筑相交而成，围合的内庭天井花园位于一层。一座L形建筑作为休息和工作场所，另一座是更衣室和办公室。

来访者通过入口大厅可直接进入位于一层的内庭，在这里来访者通过工作小组可以了解消防局的日常工作流程。建筑的倾斜屋顶和大型悬臂形成建筑的雕塑感与周边景观发生关系。一个巨大的之字形水泥墙是建筑的主要支撑，看起来像一个可移动的围墙。使用V和M的抽象元素，表明消防局属于弗利星根和米德尔堡的地方消防部门。







立面图





The station is situated on the edge of a green area between the cities of Middelburg and Vlissingen in the southwest of The Netherlands. Because of the rural qualities of this area the landscape is incorporated into the design. It is built up out of two L-shaped volumes that intertwine. The volumes embrace an enclosed inner patio-garden, located on the first floor. Whereas one of the L-shaped volumes houses the remittance and the workshops, the other houses the dressing rooms and offices.

Visitors enter the building through the entrance hall that is directly connected to the patio on the first floor. Several views through the remittance and workshops show the daily routine of the station. The volume, being a result of the various tilted roofs and large cantilevers, provides the building with its specific sculptural qualities and connects it with the landscape. A large concrete zigzag slab, appearing like a movable fence, supports the volume. This abstraction of the letters V and M also reveal that the station houses the local fire departments of Vlissingen and Middelburg.



BOOSTER PUMP STATION EAST

增压泵站

项目名称：增压泵站

设计者：Bekkering Adams 建筑事务所

设计团队：Juliette Bekkering, Corine Keus, Jason Williams, Sander Brand, Milena Zaklanovic

结构设计咨询（混凝土立面板）：ABT b.v., Delft

结构工程：Ingenieursbureau DWR

承包商：van Laere Infrabouw b.v.

M/E工程：Ingenieursbureau DWR

钢结构：Flevo Staalbouw b.v.

立面板制造：Oosthoek Kemper b.v., Tilburg

通风面板制造：JAZO Zevenaar b.v.

设计类别：基础设施建筑设计

建设地点：荷兰 阿姆斯特丹

项目面积：650m²

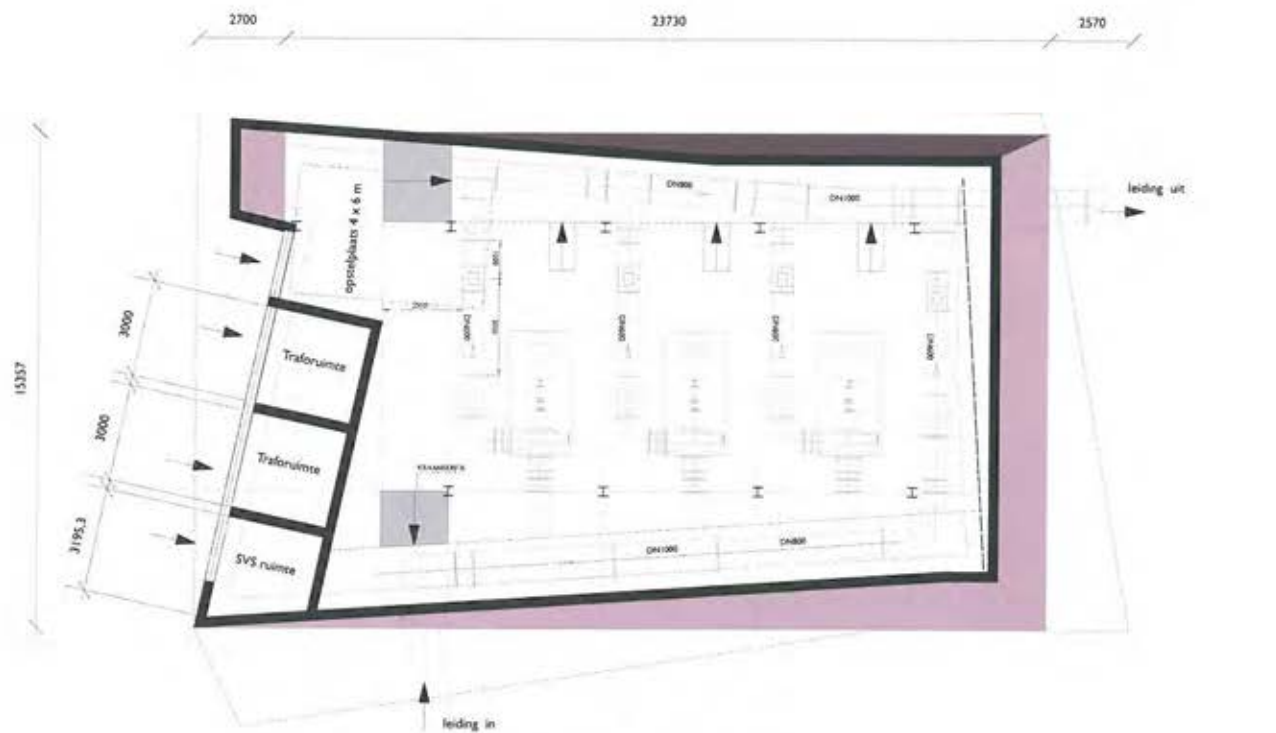
委托人：DWR, Dienst Waterbeheer en Riolering

设计时间：2002—2004年

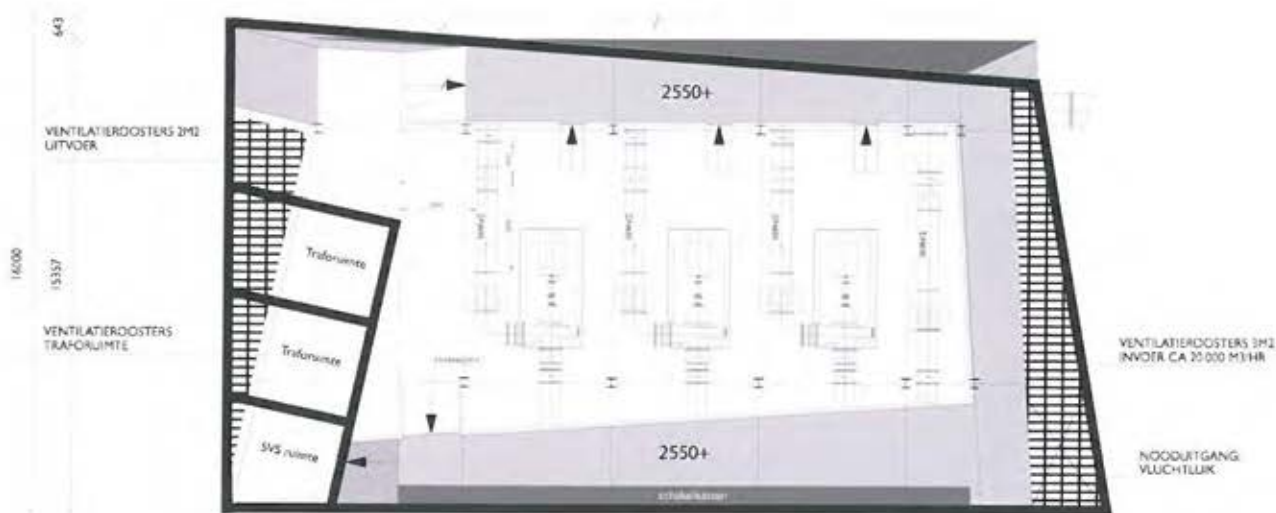
建成时间：2005年6月

图片来源：Jaap Bardett, Visual Lab





首层平面图



2层平面图

增压泵站位于阿姆斯特丹的Zeeburgereiland，站中的3个增压泵将阿姆斯特丹东部的所有污水输送到城市西部的中央污水净化中心进行净化。

建筑的主要功能是减弱增压泵的噪声，同时也可将其视为一座城市雕塑。建筑外型根据项目要求和基地条件，功能单元外覆有水泥，建筑悬挑在入口处凹陷，并包裹输入和输出管道，为底层水泵的开关提供方便。屋顶作为建筑第五立面，丰富了建筑形体，使其成为多面体。独特的晶体外形赋予它持续变换的特性。

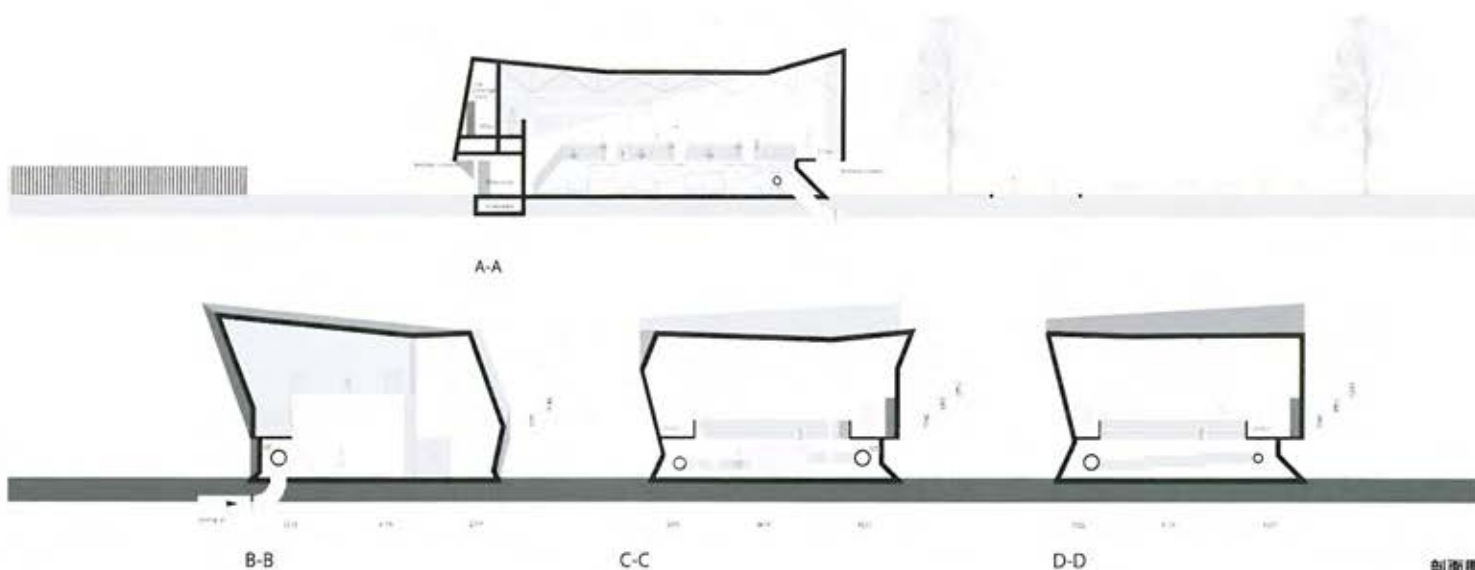
建筑采用预制混凝土，在不同的高度使用喷沙技术。浮雕式的图案设计像一张网覆盖在建筑表面，并根据建筑基地进行纹理设计。这种色彩、浮雕及纹理处理是利用水泥的最优化方式，处理后的深蓝绿色水泥有一种精细的质感。傍晚，悬臂的灯光效果在装饰处理上锦上添花，蓝色的散射光在底部漫延，使得建筑熠熠生辉。



The Booster pump station is located at the Zeeburgereiland in Amsterdam. The building accommodates three Booster pumps, which collect all sewage of Amsterdam East and passes it on to the new central sewage purification centre in Amsterdam West.

The main function of the building is to shelter and stop the sound of the pumps. Therefore the building could be treated as a sculpture. The shape is dictated by the program and the directions found in the site. The concrete skin is molded around the functional elements. The volume cantilevers to accommodate the mezzanine for operating the pumps, it dents where the entry doors are located, and wraps around the heavy in- and outgoing pipes. The roof is treated like the fifth elevation, in order to make it a truly all-round object. The distinct crystal-like shape of the building gives it an ever-changing appearance.

The building is executed in pigmented prefabricated concrete, treated with sand blasting technique in different depths. A bas-relief pattern wraps around the building like a web. A play of text patterns is molded on the base of the building. The pigmentation, the relief and texture treatments are done in such a way that the qualities of concrete are used in the most optimal way. It gives the concrete a refined and filigree look, with a beautiful deep blue-green color. The rich ornamentation is enhanced at night by small light fittings placed in the cantilevers. It enlightens the base of the building with a diffuse blue light and makes it glow at night.

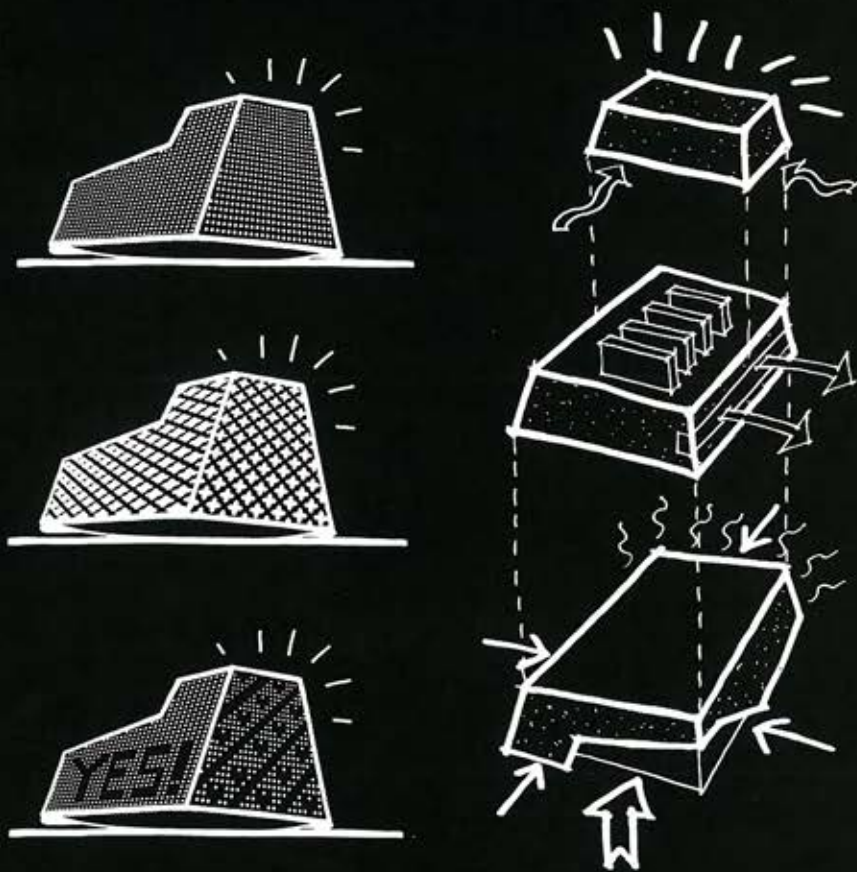


剖面图



INFRASTRUCTURE DEPOT

基建仓库



立面效果概念

基建仓库项目位于莱瓦顿的Harlingervaart运河岸边，作为周边建筑的仓库，它具有独特的趣味性良好的形体感，因此被认为是立于运河沿岸广场上的一座雕塑。建筑的入口处挑出悬臂，并且顺势突出建筑南侧的体量，配合屋顶的装置设计，从而形成呼应运河的城市风貌。

建筑基部作了后退处理，创造一种飘浮的假象，悬臂下方的灯光处理加强了此效果。

建筑使用带有穿孔和印痕的铝板饰面材料，精心设计的图案环绕着整个建筑，突出了建筑形状和动感，赋予了建筑精致的外形。

项目名称：基建仓库

设计者：Bekkering Adams 建筑事务所

设计团队：Juliette Bekkering, Monica Adams, Frank Venhorst, Gerard Heerink, Nikos Ioannou

设计类别：基础设施建筑设计

建设地点：荷兰 莱瓦顿

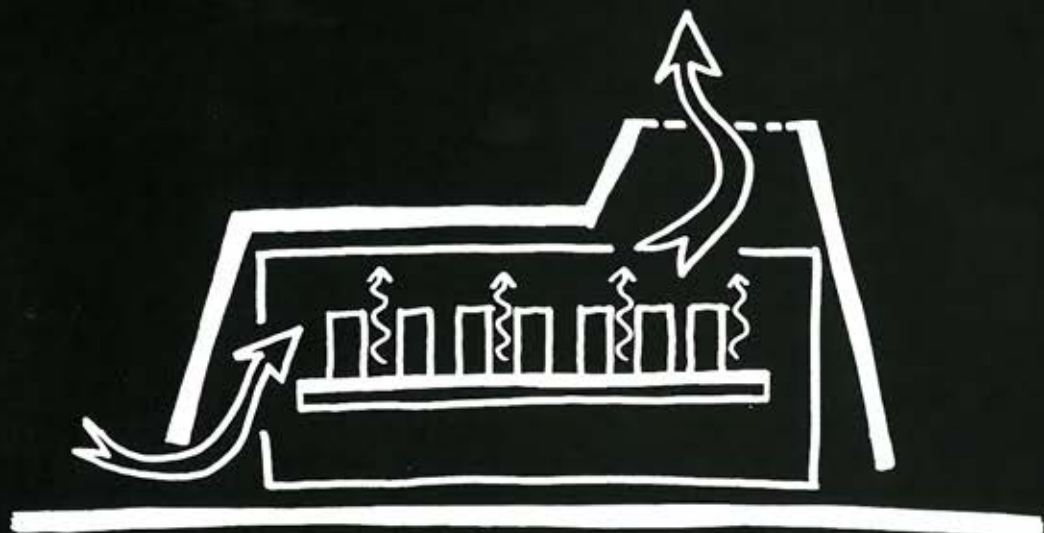
项目面积：450m²

委托人：RGD, Rijksgedebouwendienst

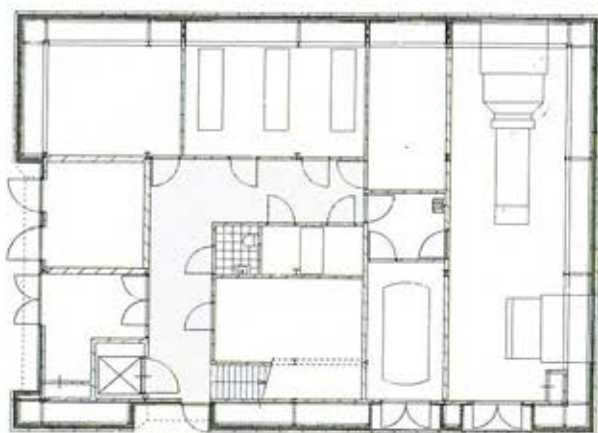
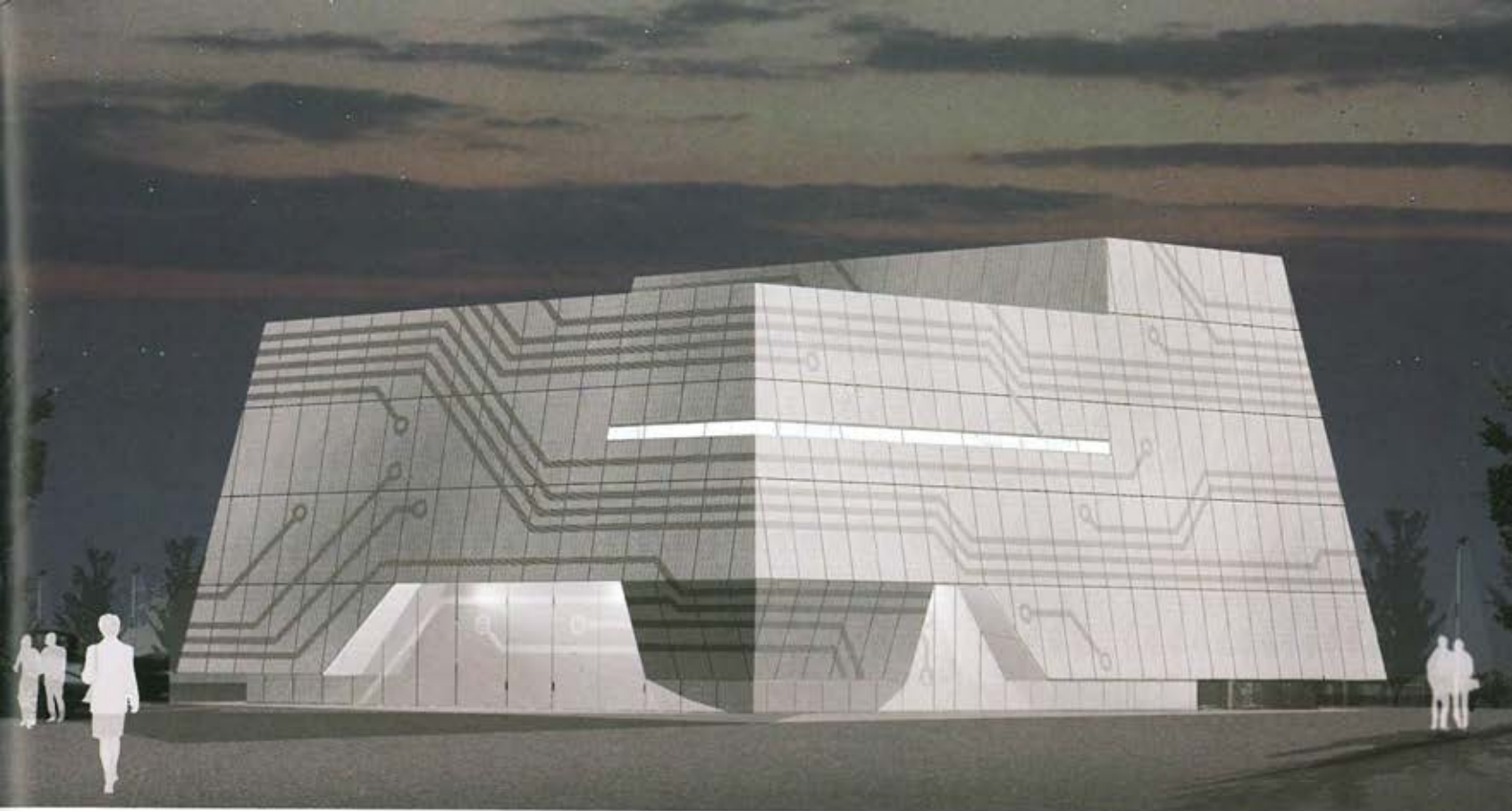
设计时间：2008—2009年

建成时间：2009年

图片渲染：Jaap Bardett



散热通风概念图



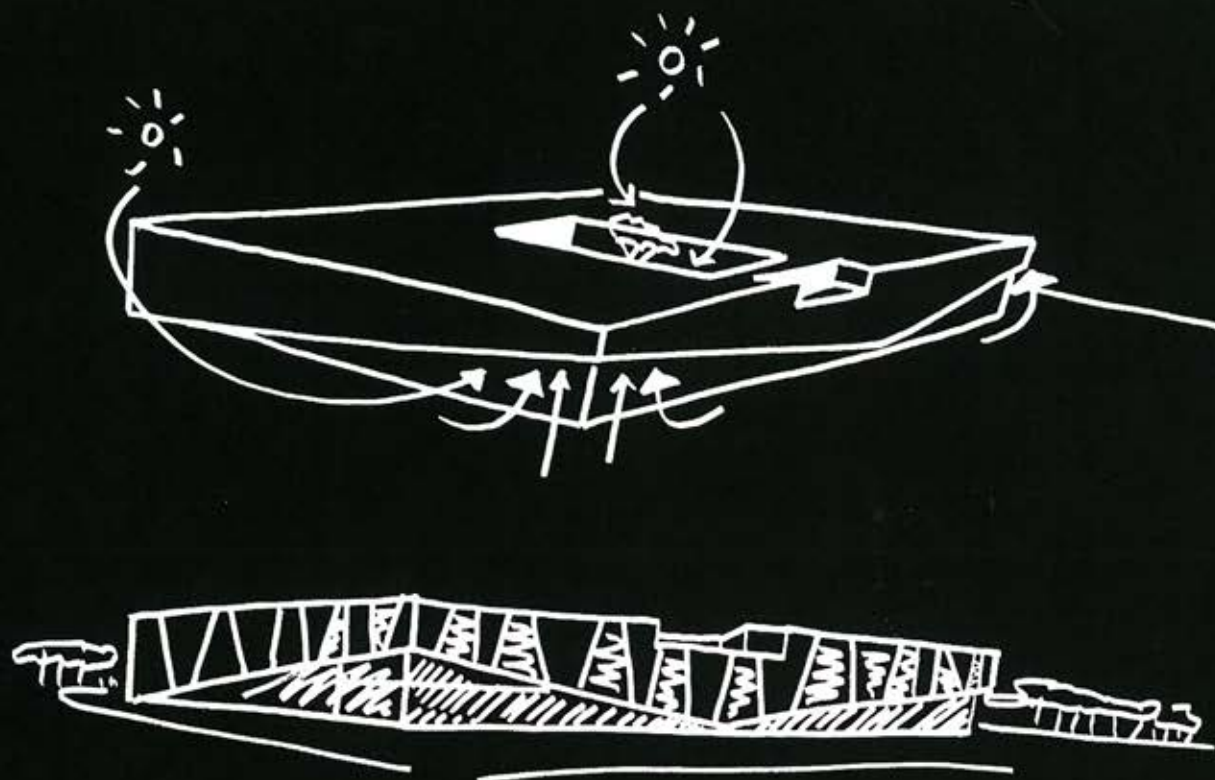
平面图

The Infrastructure Depot RGD is located along the Harlingervaat canal in Leeuwarden. The building is a storage depot for the adjacent buildings. Its main function is to give shelter. Therefore the building has been designed as a monolithic freestanding sculptural object on the square along the Harlingervaat canal. The shape of the building follows the envelope of the program with cantilevers to accommodate the entry area and a higher accent of the volume on the south side of the building giving place to the installation units on the roof, thus forming an urban accent to the canal.

The foot of the building is set back to give the building the appearance of floating. This effect is strengthened with light under the cantilever.

The building is clad with light bronze anodized aluminum panels with perforations and imprints. A specifically designed pattern is wrapped around the building, enhancing the shape and dynamics of the building, and giving it a refined look.





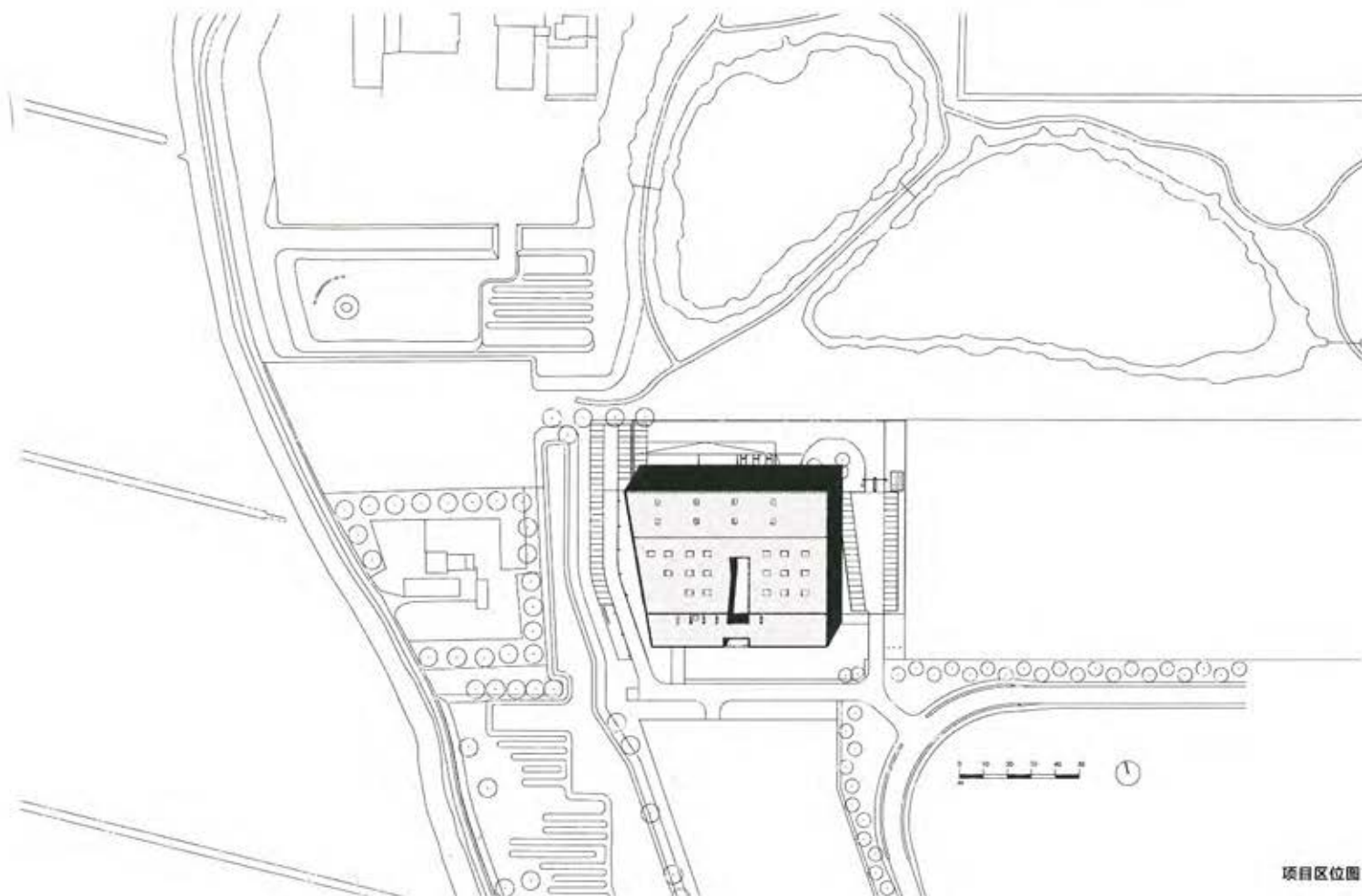
建筑设计概念草图



可持续发展概念草图

HEAD OFFICE SCHUURMAN GROUP

舒曼集团总部



项目区位图



项目名称：舒曼集团总部

设计者：Bekkering Adams 建筑事务所

设计团队：Juliette Bekkering, Monica Adams, Frank Venhorst, Paul Michielsen, Vincent Hector, Albert-Jan Vermeulen, Sander van Schaik, Michel Leunis, Manuel Aust, Gerard Heerink

结构工程：ABT b.v.

设计类别：办公建筑综合体设计

建设地点：荷兰 阿尔克马尔

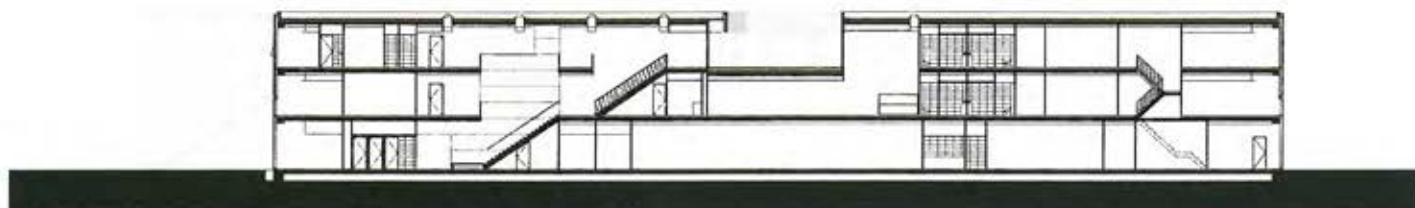
项目面积：9 105m²

委托人：舒曼集团

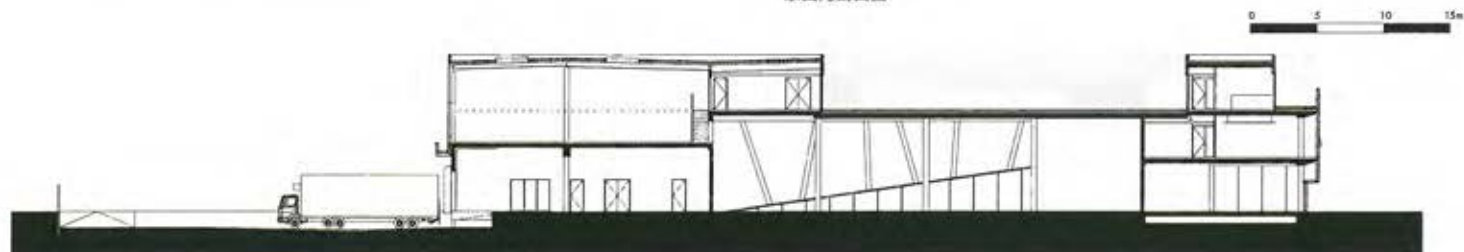
设计时间：2004—2007年

建成时间：2008年6月

图片来源：Jaap Bardett



东西向剖面图

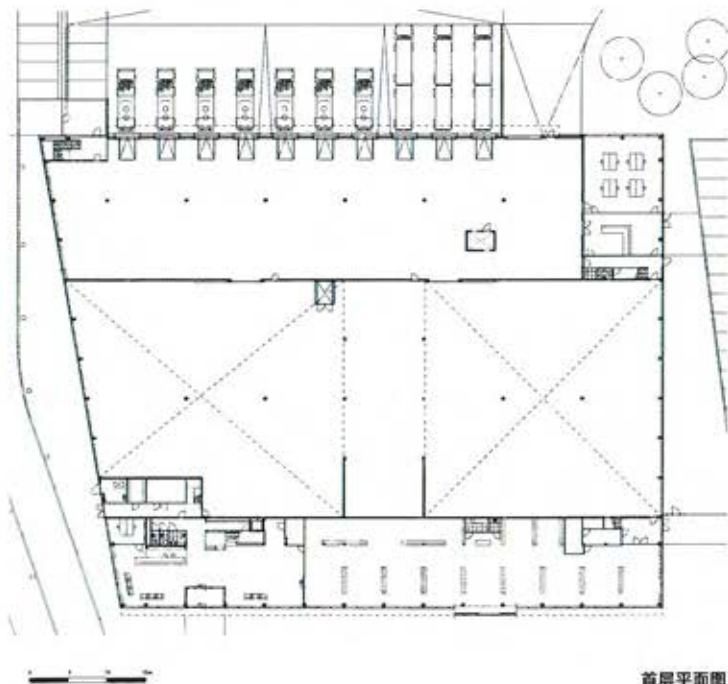


南北向剖面图



舒曼集团的新址选置优越，位于能俯瞰荷兰北部的A9高速公路边上，并与一个自然保护区相邻。作为一个独立建筑，它的每个侧面都有独特的特征和外观。建筑四角作了升高处理，为项目特殊的功能需要提供空间。建筑布局包括一个12m高的单层仓库和3层楼的办公室，空间利用率很高。顶层天井花园引入的自然光线可直达建筑底层。办公室与仓库之间不仅有实体连接，还有形成视觉通廊。作为一个重要的空间组织要素，天井将办公室与仓库联系起来。

建筑内部采用可持续性设计，例如水泥地板能储藏地下热能，成为一个热动力系统；采用低能耗照明控制系统，这也是飞利浦的一个示范性项目。

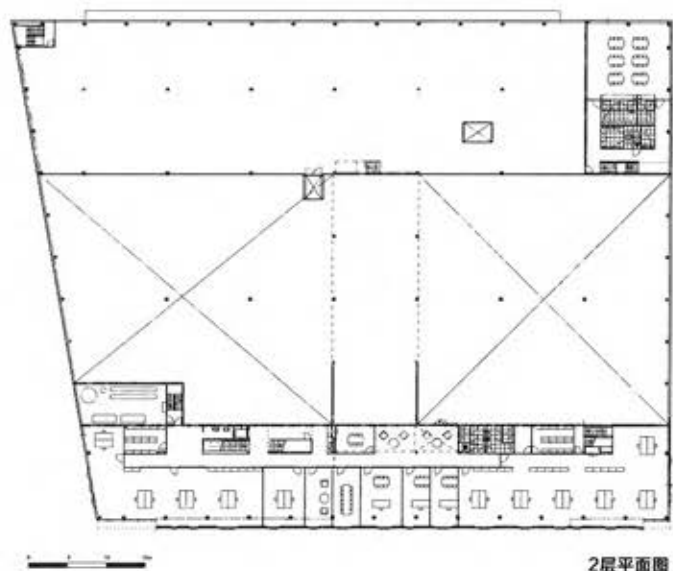


首层平面图

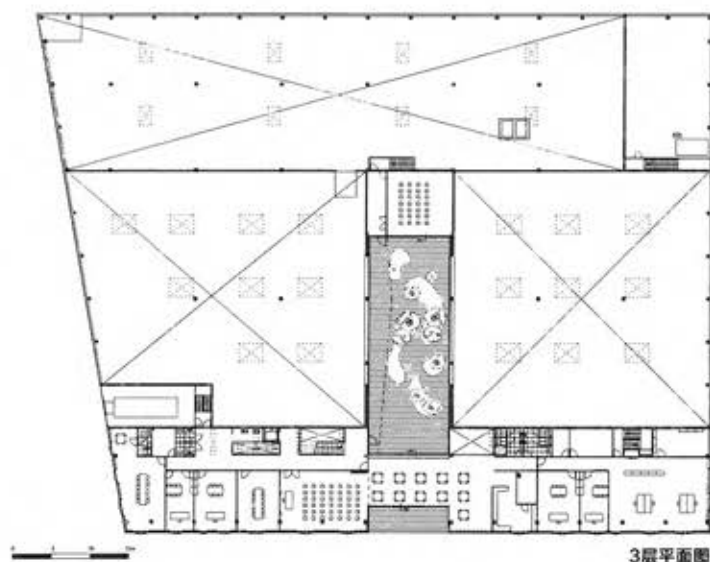


The new accommodation for the Schuurman Group is located on a prime location, seen from the highway A9 in the North of the Netherlands, and adjacent to a natural reserve. It is designed as a freestanding object, whereby each side has its own specific character and appearance. The volume is uplifted at the corners to give room to the special functions of the program. The building has an efficient layout with a 12m high single-storey warehouse and 3 floors of office space. On the top floor a patio-garden across the building brings light deep into the building. It also provides a visual and physical link between the offices and the warehouse-area. In this way the patio works as an important spatial, as well as organising element, while connecting the warehouse and office space.

In the building several sustainable measures are incorporated, such as concrete floor slabs as thermal active system, subterranean hot & cold storage, and a low energy lighting and control system, set up as a Philip's pilot project.



2层平面图



3层平面图



