

图书在版编目(CIP)数据

下沉式景观 / 凤凰空间•华南编辑部编. - 南京: 江苏科学技术出版社,2013.6 ISBN 978-7-5537-0969-7

I. ①下… II. ①凤… III. ①景观设计一作品集一世界一现代 IV. ① TU986. 2

中国版本图书馆 CIP 数据核字 (2013) 第 063877 号

下沉式景观

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出 版 发 行 凤凰出版传媒股份有限公司

江苏科学技术出版社

出版社地址 南京市湖南路1号A楼,邮编: 210009

出版社网址 http://www.pspress.cn

经 销 凤凰出版传媒股份有限公司

印 刷 利丰雅高印刷(深圳)有限公司

开 本 889 mm×1 194 mm 1/16

印 张 17.5

字 数 140 000

版 次 2013年6月第1版

印 次 2013年6月第1次印刷

标准书号 ISBN 978-7-5537-0969-7

定 价 268.00元 (USD49.00)(精)

图书如有印装质量问题,可随时向我社出版科调换。

Sunken Landscape Design

下沉式景观

凤凰空间,华南编辑部 编

Introduction

编者序

iven the population explosion and the decrease in land area per capita in China, sunken landscape, which can maximize green landscape in a limited space with skillful application of elevation difference, has been increasingly popular among domestic designers and the public.

At present, there are just a few books about certain factor of garden design in the domestic market since most of books about this field lay emphasis on the design of an entire garden. Worse still, few books on the design and application of sunken landscape have ever been published. As a garden design-oriented brochure, this book aims to provide landscape designers with design reference to sunken landscape projects and teach them how to create sunken landscape in commercial, public and residential space so that they can integrate small-scale garden landscape with different architectural space and achieve the greatest aesthetical and practical effect.

Compared with other books on landscape design, this one is innovative in topic and attractive in content. In terms of topic, few books on this aspect can be found in the domestic market today, for which this book would definitely change the situation for better and become extremely competitive in the market. As far as content is concerned, the works about sunken landscape design in foreign countries are more mature than that in China which has witnessed the rise of sunken landscape in recent years; besides, they not only reveal the consummate application of space but also incorporate people-oriented functional design. With detailed analysis on a large number of the latest excellent works about sunken landscape design in foreign countries, this book would enable you to acquire knowledge from the works and appreciate them in a more direct and comprehensive way.

鉴于我国人口的急剧膨胀和个人用地的逐步减少,下沉式景观以其对局限空间内高低落差的巧妙应用,使绿化景观在有限的面积内得到了最大限度的利用,在国内越来越受到设计师和普通大众的青睐。

目前,国内市场上针对某一园林设计元素的书籍较少,大多是介绍整个庭园项目的设计,销售情况不一,却几乎没有这样专门针对下沉式景观设计与应用的书籍。本书定位于园林设计图册,有针对性地为景观设计师提供下沉式景观项目的设计参考,帮助设计师把握下沉式景观在商业空间、公共空间和居住空间项目中的设计应用,使小型庭园景观跟各个不同的建筑空间相融合,达到最理想的美学和实用效果。

相对于其他景观类设计书籍,本书不仅主题新颖,内容更是精彩。从主题上说,目前国内市场上极缺此类书籍,本书的推出必然能弥补这一空白,极具市场竞争力;从内容上说,相对于国内刚刚崛起的下沉式景观设计,国外的设计作品显得更为成熟,既体现了巧妙的空间利用,又融入了人性化的功能设计。而本书恰恰收录了国外诸多最新的优秀下沉式景观设计作品,并对其进行了详细的分析说明,为读者带来一种更直观、更全面的学习和观赏体验。

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Traditional Sunken/ Landscape Design

Traditional Sunken Landscape Design

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传统下沉式景观

传统下沉式景观

EWHA 女子大学
Orhidelia 健康新天地
ChonGae 运河修复工程
摩西之桥
wNw精致餐馆
Lättenstrasse 洞穴屋
下沉式线型海滨公园
堡垒山庄梯级广场
柏林顿广场
对称下沉庭园
摩洛哥风格庭园
趣味匣子庭园
Shimogamo Yakocho 宅邸庭园
2号公寓庭园
创新斜屋翻新
Kirchplatz 商住两用庭园
弧形屋庭园

第二章

石灰华梦想之家

下沉式景观设计的现代应用

坡地景观

大宅坡地景观 斜坡戏水庭园

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Chapter I

Traditional Sunken Landscape Design

In this book, the traditional sunken landscape design refers to the sunken landscape design with the strongest traditional sunken meaning, which can be an artificial one with elevation difference or one particularly made on the basis of the landform.

The landscape design with traditional sunken landscape indicates the one with a sunken effect through elevation difference, and it is frequently applied to a sunken square or a sunken garden. The adoption of elevation difference is the most

obvious in a sunken square, which is often a large-scale outdoor sunken area. On the contrary, a sunken garden is a landscape with land depression, where elevation difference is adopted in some parts of the whole garden, including a typical sunken garden and a sunken garden with high walls (a garden landscape with a sunken effect enclosed by towering walls on all sides).

第一章

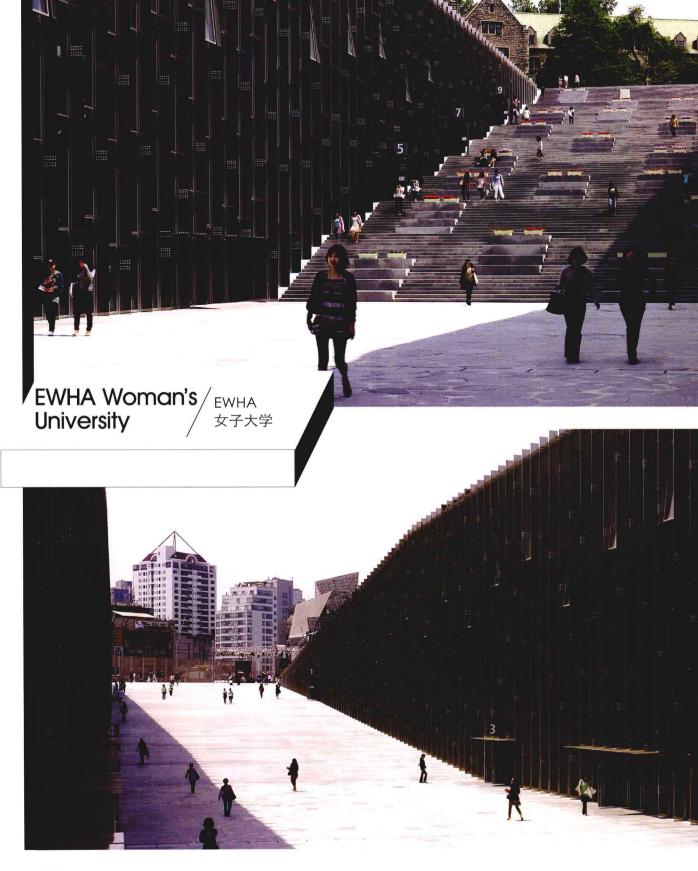
传统下沉式景观

在本书中,我们将传统下沉式景观设计定义为"最具传统意义的下沉式景观设计",其形成可以是人为的落差造景,也可以是根据地形需要而特别设计的传统下沉式空间设计。

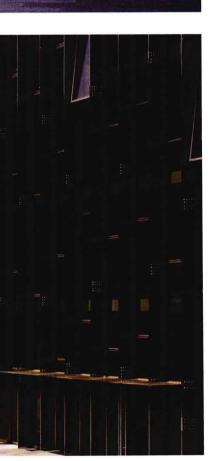
传统下沉式景观设计是指通过高差处理手法而 形成一种具有下沉效果的景观,一般常见的应 用有:下沉式广场、下沉式庭园等。其中,下 沉式广场的高差处理手法最为明显,一般是一 个较大的户外下沉区域;而与之相比,以凹地 为主要表现形式,对整个庭园或庭园中的某个 部分稍作高差处理的景观,则可以称为下沉式 庭园,其中包括一般的下沉式庭园和高墙下 沉式庭园(以四面高墙围合而成的,具有明 显的下沉视觉效果的庭园景观)。

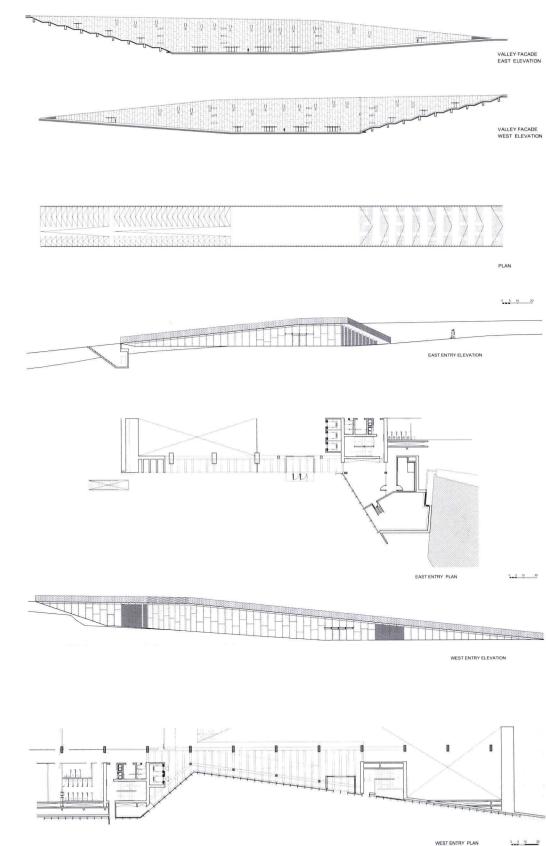


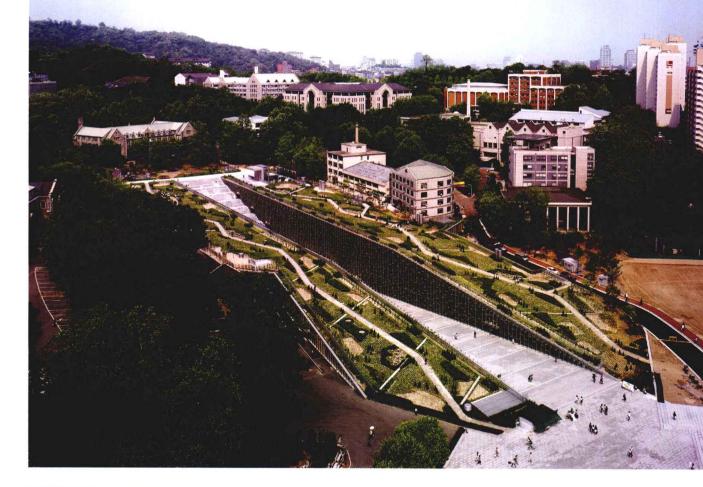




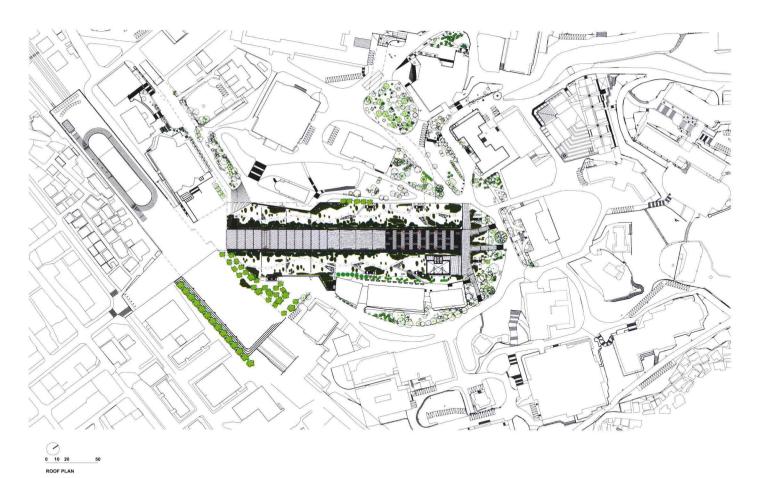












The idea of this underground university was born out of the desire to preserve a large green space in the centre of the university campus. The six-storey building is organized around a long ramp sloping down in opposition with the gently rising natural topography. The two large glass curtain walls facing the external circulation ramp serve as elements for day lighting and allow for natural ventilation of parts of the building as well.

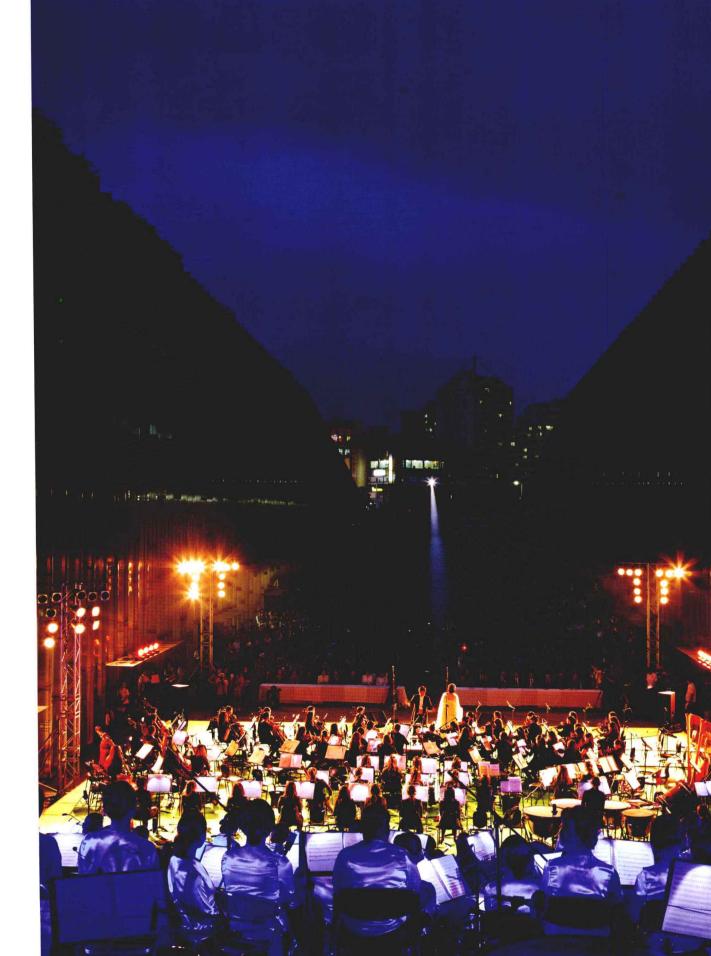
The specificity of this building is the link between the architectural concepts and the sustainable strategies adopted. In fact, the first architectural ideas (underground building, green garden, landscape fracture) that give its strong identity to the building enable extraordinary performances in terms of sustainability.

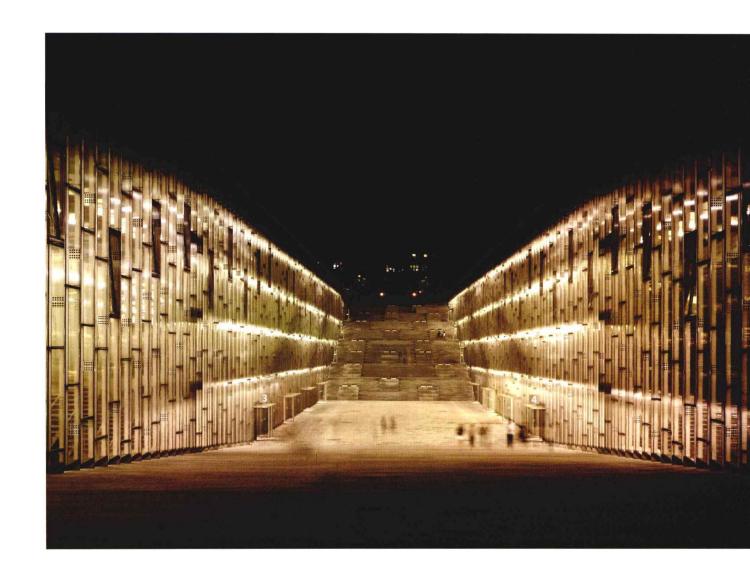
Besides the aesthetic and psychological benefits, numerous ecological benefits include the recovery of green space in this area of Seoul, moderation of the urban heat island effect, improved storm-water management, water and air purification and a reduction in energy consumption.

这个地下大学的设计意念源自于人们希望在这个大学校园的中心保留一大片绿色空间的愿景。 六层高的建筑物建立在一个向下倾斜的长坡两侧,斜坡另一边为另一个坡度微缓的斜坡。建 筑立面上的玻璃幕墙正对着一个用作采光,并为建筑的部分空间提供新鲜空气的外循环斜坡。

这栋建筑物的设计将建筑学理念和可持续战略相结合,独具特色。这在事实上赋予了这栋建筑物独特的建筑理念(包括地下建筑物、绿色花园和景观的断裂等),也使其在可持续发展方面表现非凡。

除了使人们获得审美和精神层面的享受之外,本案设计还具有更多的生态效益,包括恢复了位于首尔的这个区域的绿色空间,调节了该地区的城市热岛效应,改善了雨水的分流和管理,净化了水资源和空气,同时降低了能源消耗。





Energy-efficient and Practical Sunken Design ig/ 节能、实用下沉式设计

Functionally, the large-scale sunken space between two towering buildings reinforces the ventilation and lighting and thus reduces the energy originally used for these. The façade of the buildings are glass curtain walls, so the indoor light can permeate through the walls and reach the sunken space in the evening, which spares lighting facilities. On the one end of this sunken space is a stair which descends with the different floors while on the other a slope of a little declivity. These two jointly form a unique square where students can read and think and various artistic activities for students can be held.

从功能上来说,两栋大楼之间大型的下沉式空间加强了两栋大楼的通风和采光,降低了通风和照明的能耗。而大楼的外立面是玻璃幕墙,夜晚,室内的灯光通过幕墙透射到这个下沉式空间中,省去了照明设施的安装。这个大型的下沉式空间的一端是随着楼层变化顺势而下的阶梯,另一端则是一个坡度平缓的斜坡,两者共同构成了一个独特的广场,既可作为学生的阅读和思考之地,也可以作为学校各种文艺活动的场地。

