



TREE 树屋 HOUSE

凤凰空间·华南编辑部 编

江苏凤凰科学技术出版社

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编 者 凤凰空间·华南编辑部
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责任编辑 刘屹立
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Commercial Application

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- 018 Dom' Up Tree House
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Preface

前言



When you say the word "tree house" most people think of a few pieces of timber and palette up in the branches of a tree. As you can see from our portfolio this is not the type of tree house we build. We have completed a wide variety of tree houses, including everything from Aga ovens, hot tubs, home cinemas, offices, wet rooms, secret tunnels and even a tree house with a separate door for the fairies! I think people love tree houses because they nostalgically remember all the fun times they spent playing in them as children. Tree houses are the ultimate kid's den, a great place to escape the world and hang out with your friends. All our clients have different requirements for their tree houses and we always say to new clients that if they can imagine it, we will find a way to build it! With this in mind, we have now built tree houses with just about every feature you can imagine.

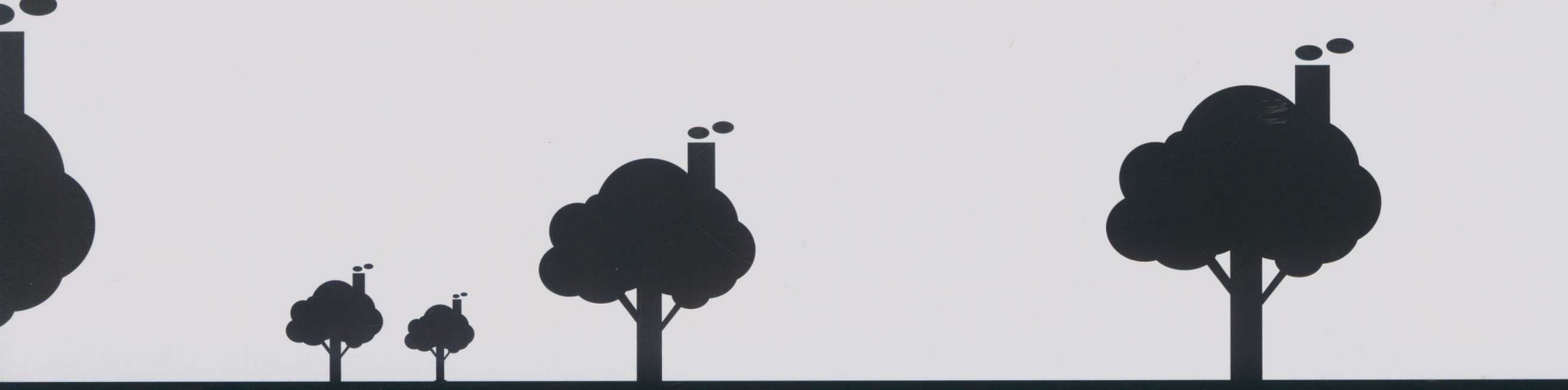
We believe in an inclusive approach to design, where the sharing of knowledge and expertise, and the exchange of ideas is integral to the creative process. Tree houses are generally a very sustainable form of architecture as they are built in and amongst the trees and natural features of the site. In addition to this, tree houses are typically built with (FSC or PEFC) timber, wood being one of the most sustainable building materials. As the structures get larger they present increasingly complex engineering challenges. The methods we now employ to support our structures may incorporate elements of steel and are even designed to move and adapt as the host trees grow. Further to this we have worked with independent arborists to develop approved construction methods that do not harm the trees. Methods may include 3D laser tree surveys, air-spades and simpler methods such as tree protection zones, etc.

Our tree houses are getting larger and increasingly more complex. As structures get larger it is not always possible to support them within the tree itself. With this in mind many tree houses are now supported with a mixture of braces from the host tree and post to the ground. Occasionally tree houses can be completely supported from the ground with

当你说出“树屋”这个词，大多数人想到的就是摆放在树枝上的木材和木板。正如你从我们的作品中可以看到，这一类型的树屋并不是我们所要建造的。我们已经建成了多种多样的树屋，这一切包括从阿迦烤箱、热水浴缸、家庭影院、办公室、湿室、秘密隧道，甚至为仙女而设有独立门的树屋！我认为人们喜欢树屋，是因为他们怀旧地想起孩童时期游乐玩耍的欢乐时光。树屋是终极的孩子巢穴，让他们逃离现实世界，与朋友们一同玩耍。我们所有客人对他们的树屋都有不同的要求，而我们也总是对新客户说，只要他们能想象得到，我们会找到方法建造出来！我们将这一点铭记在心，现在已经建造了许多树屋，其中包括你能想象到的所有特色。

在设计上我们相信利益兼容法，知识和专门技术的共享，以及设计思路的交流是创意过程中所必需的。通常来说，树屋是一种相对可持续的建筑形式，因为它们建在树上，建在自然景观之中。除此之外，树屋通常使用（FSC 或者 PEFC）木材进行建造，这些木材是其中一种最可持续发展的建筑材料。随着结构的增大，复杂的工程学问题也会随之而增加。我们现在用来支撑结构的方法可以吸收铁的元素，甚至可以设计成跟随树木的成长而移动和适应。除此之外，我们与独立树艺师合作，开发出经检验的施工方法从而不会损害树木，包括 3D 激光扫描、空气挖掘和一些更简单的方法例如树木保护区等等。

我们的树屋正变得越来越大，结构越来越复杂。由于结构变得更大，树木并不总是能够独立支撑树屋，正因为这点，许多树屋现在利用从树木延伸到地面的混合支架进行支撑。偶尔情况，树屋完全建造在地上，而在设计过程中融合树木，这种设计方法被称为“非结构性”设



计。树屋已经成为一种建筑形式，体现了冒险、创造、空想和玩乐的价值，通常来说，建造周期根据树屋的大小，介于 8 - 15 周之间。

有证据表明，树屋千百年以来一直作为人类居所，作为一种荒凉土地上的生活方式，而最早的树屋用于消遣娱乐的记载则可追溯到公元第一个世纪的古罗马时期。今天，人们对树屋的兴趣重新被点燃了。利用当地资源材料配合技术的进步，意味着设计师有可能建造出结构更加复杂的树屋，想象力则是创造这些非凡建筑的关键。

树屋有着令人振奋的未来，由于创新驱使着具有新建材和采用新技术的产品不断发展，树屋设计师也不断开拓着树屋设计的边界。我们得到了机会，在 Blue Forest，我们经历了愉快的时光，用我们自己的双手去尝试一些更加大胆的设计。我们越来越意识到，我们的星球在负担越来越大的情况下将会变得如何，负担在世界范围内催生出“绿色方案”，希望把对未来的伤害减到最低。随着越来越多人把焦点集中到环境问题上，对建造“可持续发展”树屋的需求和呼声也愈发高涨。树屋将继续通过环保的流程建造，材料的选用也考虑到在运输、利用和处理的过程中，对环境造成相对低的影响和尽量小的损害。尽管在设计上各不相同，我们的树屋全部具有一个统一的特性：树屋能让你感到刺激，也能让你感到安心。

Simon Payne
Blue Forest 主管

the host tree incorporated in the design in a 'non-structural' way. Tree houses have become a form of structure that embodies the values of adventure, creativity, escapism and play. On average, construction takes between 8 - 15 weeks depending on the size of the project.

There has been evidence of tree houses used for habitation for thousands of years, as a way of living above inhospitable ground. The first recorded evidence of tree houses used for recreation dates from the first century AD during the Roman era. Today there is a resurgence of interest in tree houses. The fashion for using locally sourced materials along with technological advances means that more complex structures are possible. Imagination is key to the creation of these unusual structures.

Tree houses have an exciting future - as innovation drives the production of new construction materials and techniques, tree house designers are continually pushing the boundaries of tree house design, conceptualising structures that verge on the impossible. When we get the chance, at Blue Forest we have a great time trying our hand at some of the more daring designs ourselves. It is growing awareness of how our planet is coming under increasing strain that has catalysed 'green initiatives' across the world over in the hopes of minimising further damage. As more and more people turn their focus to the environment, there is always a demand for 'sustainable' tree house builds. Tree houses will continue to be constructed using eco-friendly processes and materials that are manufactured in ways that have a relatively low impact on the environment and pose the lowest possible amount of environmental threat through their transport, use and disposal. Though different in their design, all of our tree houses have one unifying trait: they provide experience – whether it's adventure or sanctuary.

Simon Payne
Blue Forest Director

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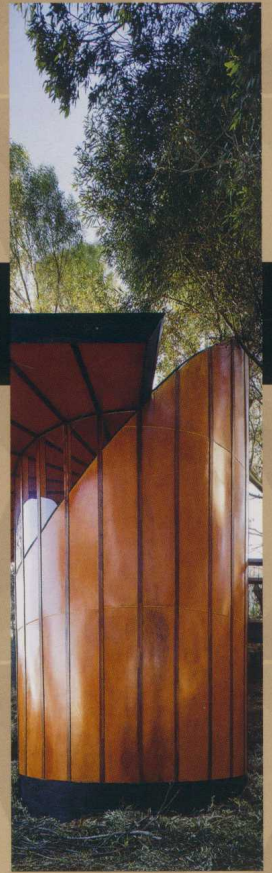
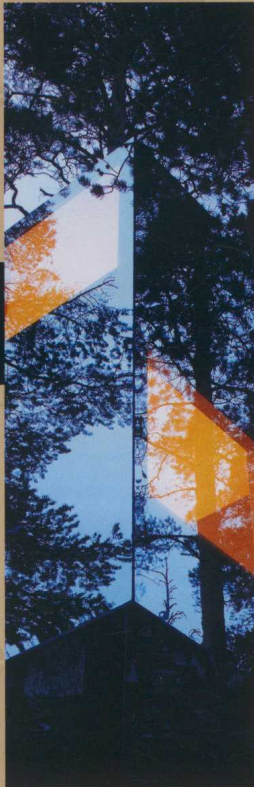
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Commercial
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Yellow Tree House Restaurant

黄树屋餐厅

Project Name: Yellow Tree House Restaurant

项目名称：黄树屋餐厅

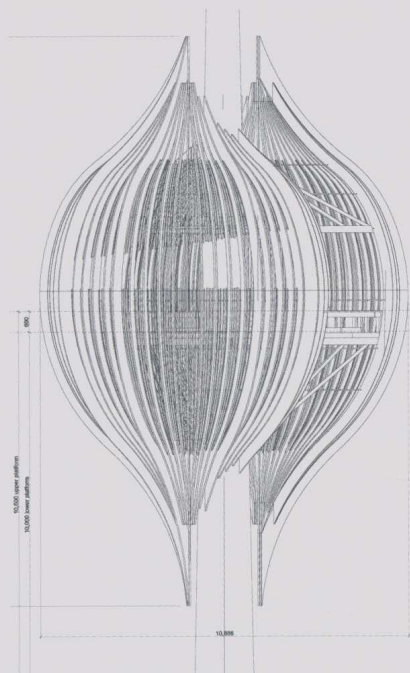
Design Architects: Pacific Environments Architects

建筑设计：Pacific Environments Architects

The concept is driven by the "enchanted" site which is raised above an open meadow and meandering stream on the edge of the woods. The tree-house concept is reminiscent of childhood dreams and playtime, fairy stories of enchantment and imagination. It's inspired through many forms found in nature—the chrysalis/cocoon protecting the emerging butterfly/moth, perhaps an onion/garlic clove form hung out to dry. It is also seen as a lantern, a beacon at night that simply glows yet during the day it might be a semi camouflaged growth, or a tree

fort that provides an outlook and that offers refuge. The plan form also has loose similarities to a sea shell with the open ends spiraling to the centre.

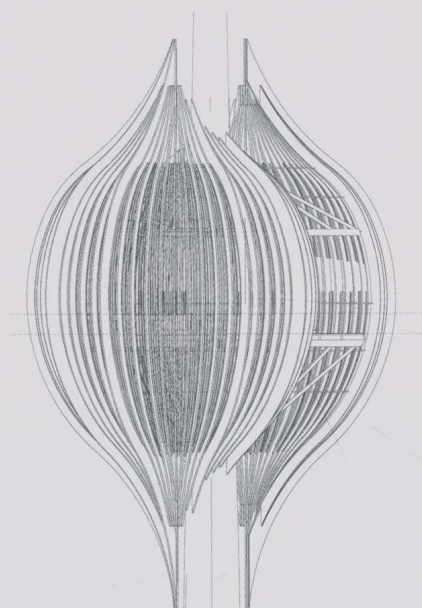
It sits almost 10 m wide and over 12 m high, with the split-level floor sitting 10 m off the ground. Timber trusses form the main structure. The curved fins are glue-laminated pine, plantation poplar has been used for the slats and redwood milled from the site used in the walkway



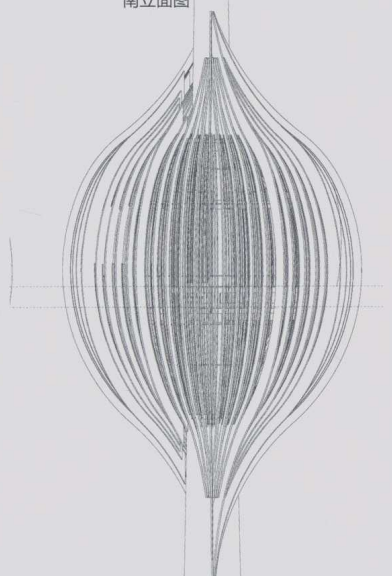
NORTH ELEVATION
北立面图

balustrade. Openings are formed for windows by leaving spaces between the slats/fins that keeps the overall form yet affords a variety of openness for the views and light and closes down toward the rear. To loosen the regularity of the elements, steel is wrapped arbitrarily around the pod. Tying this up at the top and base has a sense of greater connection with the tree.

It is designed to be weather resistant using acrylic sheeting fixed to the roof under the fins with vertical roll-down café-style blinds within. Lighting is an important architectural component enhancing and changing the mood, with discreet lighting within the walkway and up-lighting within the tree house.

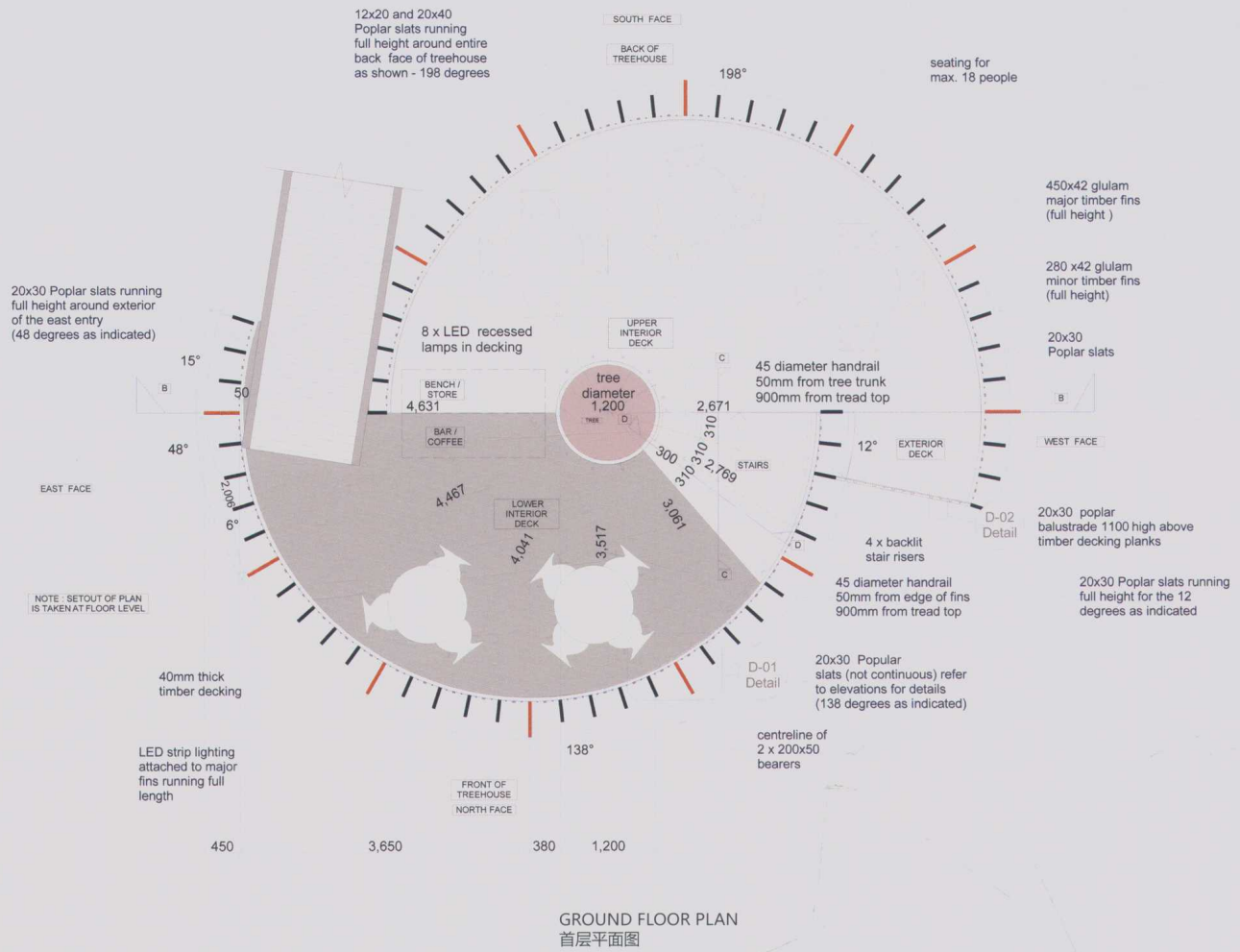


SOUTH ELEVATION
南立面图

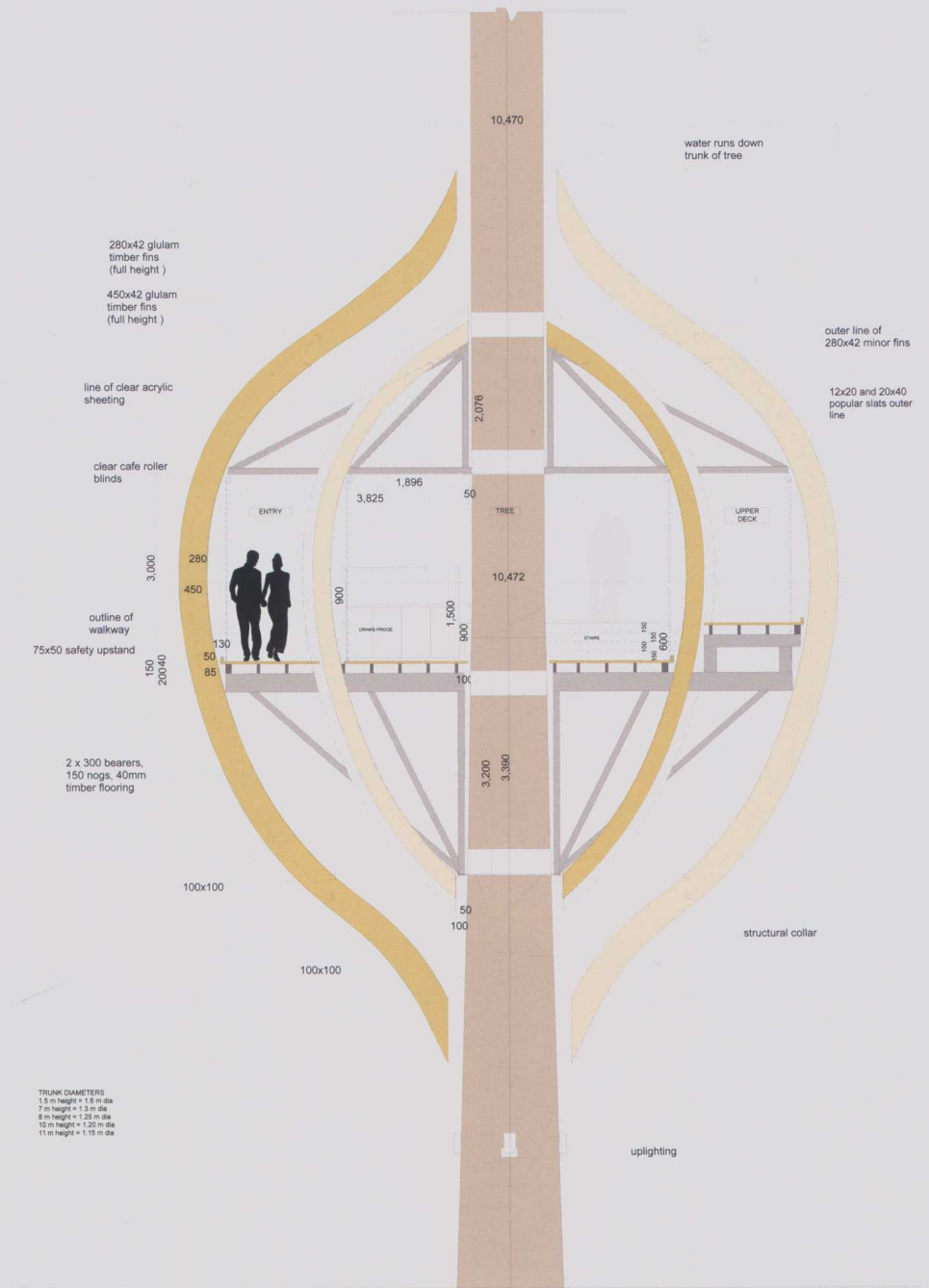


WEST/EAST ELEVATION
西 / 东立面图

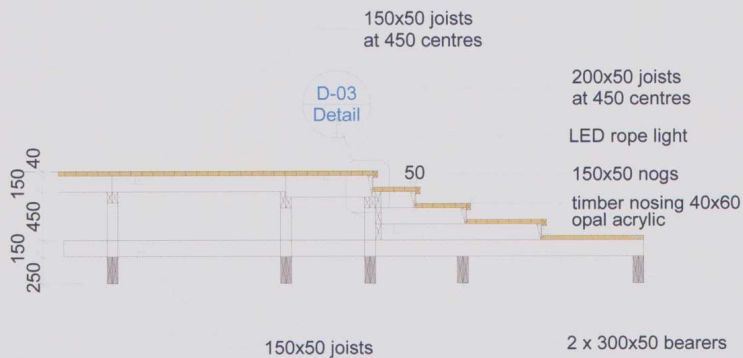




餐厅的设计理念受到“魔力”地点的启发而建，此地坐落在一片开阔的草地之上，弯曲的河流沿着森林边缘流过。树屋的概念让人回想起童年的梦想和玩乐时光，以及充满魔法和想象的童话故事。树屋的设计受到大自然中许多元素的启发——蝶蛹 / 茧保护幼年的蝴蝶 / 蛾，或者洋葱 / 蒜瓣风干。树屋同样被看成是一个在夜间发光的灯笼或者灯塔，而在白天则可能是半伪装建筑，或者用于观景和藏身的树上堡垒。树屋的平面形态与海贝壳有一定相似之处，开口端向中心盘旋。



SECTION BB
BB 截面



SECTION CC – FLOORING DETAIL
CC 截面 - 地板细节图



SECTION DD – TYPICAL STEP DETAIL
DD 截面 - 标准台阶细节图

SECTION CC AND DD
CC 和 DD 截面

1:50

