SCHOOL ARCHITECTURE

DESIGN FOR ELEMENTARY AND SECONDARY SCHOOLS

成长空间

世界当代中小学建筑设计

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MOURIZ SCHOOL

Architects: Atelier Nuno Lacerda Lopes (CNLL)
Location: Mouriz, Paredes, North of Portugal
Client: Paredes City Council
Architecture Collaborations: CNLL, Maria Areal, Vanessa Tavares, Helder Lopes, Augusto Rocha, Natalia Rocha
Architecture's Coordination: CNLL
Specialties: AC + Cogen, Central Project, IPC
Lot Area: 11,000 m²
Gross Building Area: 3,220 m²
Project: 2009-2010
Constructor: MRG
Model: CNLL
Photographs: Fernando Guerra, FG + SG-Fotografia de Arquitectura

项目设计: Atelier Nuno Lacerda Lopes (CNLL)
项目地点: 葡萄牙北部, 帕雷德斯, 莫里兹
业主: 帕雷德斯市议会
项目合作: CNLL, Maria Areal, Vanessa Tavares, Helder Lopes, Augusto Rocha, Natalia Rocha
项目统筹: CNLL
项目: AC + Cogen, 中央项目, IPC
地块面积: 11,000 m²
建筑面积: 3,220 m²
项目时间: 2009-2010年
承建商: MRG
建模: CNLL
摄影: Fernando Guerra, FG + SG-Fotografia de Arquitectura
这所学校的设计源于风景的启发，借鉴某种传统。它不同于欧洲传统的建筑或世界各地的设计。它在美观上体现了现代的美学观念，但是以一种新的、未被发现的方式实现。通过木结构的使用和不同材料的组合，其空间性在建筑内部得以组织和展示。

它似乎打破了原先的工业设计，但也受到一些影响。

建筑拥有鲜明的外观，如烟囱般的屋顶和在各处都能看到的结构。建筑的表面由木板和玻璃构成，两个部分的表面和环境相融合，形成良好的室内环境。因此，建筑的表面和空间得到统一和借鉴。窗户的大小和位置也经过考虑，并与建筑的入口和最小距离保持一致。

室内的设计和严格的秩序有关。这些元素的统一和明确性，使得室内既包含着活力，又十分规矩。窗户也起到和环境的联系，它不再只是一个简单的开口，而是为了表达创造力和为人们提供空间。

室内的设计元素和空间的创造有关。在江户川区，它的设计和功能的融合，使得空间既包含现代的元素，也有极好的室内空间的创新。

为了提醒人们活动，划分各个建筑和功能区。学校采用了简洁的建筑布局，建筑的中心是小学部和儿童区，而特殊教育的人文和体育场地，这种概念引导着新部的其他学生区分开来，为小学和幼儿提供宽敞明亮的空间，使其保持室外。

建筑以其独特的设计从周边景观和建筑中脱颖而出。它倾向于简洁和没有繁复的装饰。它在教育和学习中起着至关重要的作用，因为它可以激发学生的学习兴趣，并为他们提供一个良好的学习环境。同时，它也强调了学生整体的教育和个人发展。
The school arises from an idea of scenery and, like a scenario, presents itself without rivaling with other complexities that time has created, without apparent logic but with a very present sense of life. That is why its design is linear, its spatiality is developed on the inside of a wood covered box that draws the horizon, organizing it.

It seems to recover the memories of the industrial buildings that populate this area and above all, the memory we keep of this council that is PARIDES.

With a striped and rigorous appearance, this building is set by the status quo, whose movement on the façade creates an illusion of an apparent city skyline. From the building, with a strong longitudinal form, the closed surfaces are highlighted, punctuated by the apparently diagonal repetition of the same window. And so, window frames shape along the side façades creating a vibrant rhythm that contrasts the open ends, with large windows.

A rigorous metric is the base of the interior design, resulting in regular and orthogonal spaces where the unlevelled windows stand out, creating games of light, and invigorating the spaces. The classroom, this way, gains a new dimension, no longer being an austere and inflexible space, and becoming a space of creativity and imagination, that is intended to be versatile and above all multipurpose. This movement created by the roof extends to the interior, invading the spaces with its language materialized through different levels and very different ceiling heights, always resulting in diversified and distinctive spaces.

In order to manage flux, divide paths and functions in regards to program, the school is developed in a simple and immediate manner with the primary school levels and common areas in the centre body, with the top ends housing the pre-school nucleus and the gymnasium. And so, there is a concern in distinguishing the tops from the rest of the building, giving them large glazed spaces, allowing for the pre-school and Gymnasium to extend to the outside.

Offering a singular language, that stands out from the scenery and other buildings, this intervention searches to harmonize the necessary aspects to conjugate the dynamics of each learning unit, allowing for a diverse spatial and educational experience, giving all the students the necessary tools for a good educational development. In this sense, space and architecture, also teach us.
GANDRA SCHOOL
葡萄牙 甘德拉学校

Architects: Atelier Nuno Lacerda Lopes (CNLL)
Location: Gandara, Paredes, Northern Portugal
Project Year: 2009-2010
Client: Paredes City Council
Architecture Collaboration: Nuno Lacerda Lopes
Photographs: Fernando Guerra, FG + SG-Fotografia de Arquitectura

还是一座典型的学校中心教学楼，模块式的结构沿街

中央庭院排列。

宽敞明亮的教室位于一层，设有宽敞的教室，每个教室朝向首期教学班的中心区域有充足的光照。

在设计过程中，考虑到整个建筑的体量和空间的流

通性，将教学楼的建筑设计成一个开放式的群体，

与学校的环境相融合。

作为建筑的交通枢纽，走廊是整个建筑群体的纽带，

它将教室室联合起来产生的空间感和自然光线在各

个单元之间，为建筑赋予了统一感。

走廊尽头，房间宽敞，四通八达，将空间感与中央

庭院的景观相接，改变了厨房原本封闭的几部分

空间。

整体上，严格控制的教育设施的开间，横跨了中央庭院的

不同部分，不仅加强了各室内外空间的联系，而且

保持了建筑物的独特性和灵活性。

在这个具有特殊空间设计的教育建筑物中，每间一节的

教室设计都适合各自的区域，展示了通过每个部分

个性化的设计，营造出了一种独特的概念性氛围。
This is a two-storey school center based on a modular composition organized around a central courtyard.

The classrooms are configured as single modules, juxtaposed and clearly perceptible, where variations of the implementation's orientation and the roof slopes determine the formal design of the school's center. This results in a fragmentation of the global volume and rood design, which cut out a silhouette of relative informality along the complex's development. The disjointed orientations and roof slopes grant a playful appearance that fits the school's theme and its environment.

The circulation area - the corridor - is a bond element between the different functional areas and adopts the guiding lines and axes defined by the class modules' array, building a sense of unity and set in the individual volumes' juxtaposition.

It configures a dynamic and spatially rich path that provides access and simultaneously defines the shape of the central courtyard transposing its strong irregular geometry that characterizes the space.

The asymmetric shape of the central courtyard is compensated by large openings through the "curtain wall" system with a strictly defined metric, which seek not only to stimulate the inner patio relation but to maintain the volumetric purity and abstraction.

It is a unique solution in the educational framework with a strong modular sense, which conveys a distinguished spatial experience. The articulation of compositional variations renders a conceptual and consistent dynamic, controlled through design.