

Tongjiang Recycled Brick School

桐江村循环再用砖学校

项目地点 江西省桐江

建筑设计 Joshua Bolchover, 林君翰 (RUF)

项目经理 Maggie K Y Ma

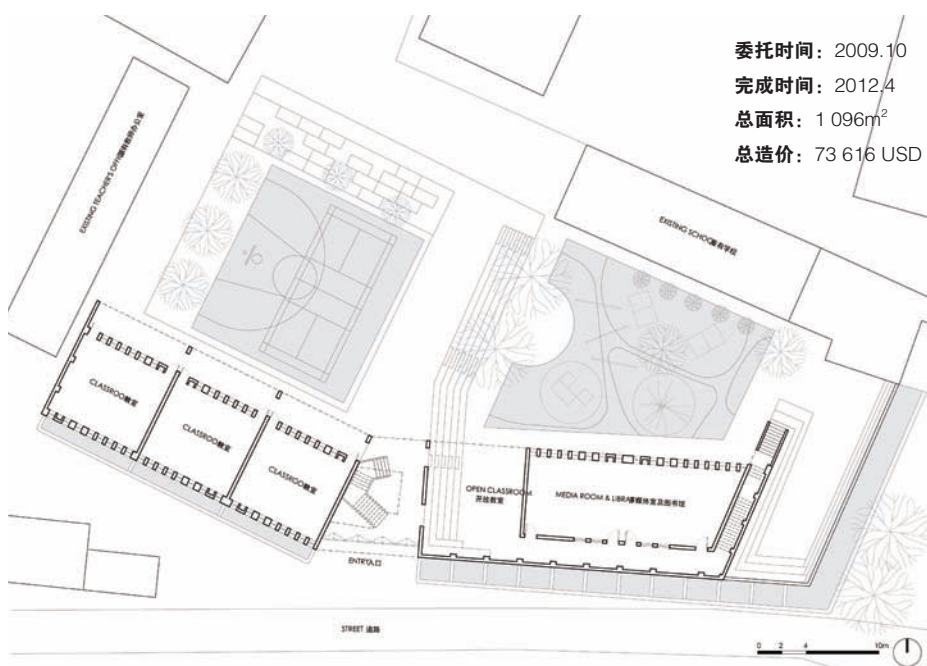
项目团队 Christiane Lange, Jess Lumley, Ho King Hei, Mariane Quadros de Souza, Anna Wan, Crystal Kwan

委托捐助者 香港世界宣明会

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摄影 城村架构 (RUF)

桐江位于中国东南部的江西省。桐江小学项目是在原有的学校基础上扩建。目前中国政府正在将偏僻地区规模较小的小学合并到规模较大的中学和小学中，并为离家远的孩子提供住宿。这是一项节约成本的策略，有助于中国的城市化进程。同江小学项目中，原先的学校建筑将被移除，为新扩建工程腾出空间。这个项目的设计理念是用建筑来构建一个庭院式的操场并且利用地势差来提供一个额外的露天教室。建筑仅是项目的第一阶段，真正的挑战是通过错落有致的新建筑在学校中创造一种连续性。为避免新建工程中普遍存在的对农村地区的破坏，本项目制定了回收旧建筑材料用于新学校建设的策略。对于被毁坏的老建筑，我们的计划是将碎砖块重新利用，作为设计中绿色屋顶的育苗基质和隔断材料。同时，现在已经停产的绿砖将从废墟中收集起来用来建造一面大的壁墙和铺设学校的地面。



委托时间: 2009.10
完成时间: 2012.4
总面积: 1 096m²
总造价: 73 616 USD

桐江小学平面图

Tongjiang is located in Jianxi Province, southeast China. The Tongjiang Primary School is a project to expand upon an existing school. Currently the Chinese government is in the process of consolidating small primary schools in remote areas into larger schools with primary and secondary school children. Additional dorms are provided for children who live farther away. It is a strategy to ensure ease of maintenance and helps to facilitate the urbanization process. As in the case for this school, an existing school building will be torn down to make way for a new one with an expanded program.

Our strategy for the project was to use the building to 'frame' the courtyard playground and to provide an additional open air classroom which takes advantage of a level difference on the site. This building is only the first stage in the process. The challenge is to create a coherency within the school through a patchwork of new buildings.

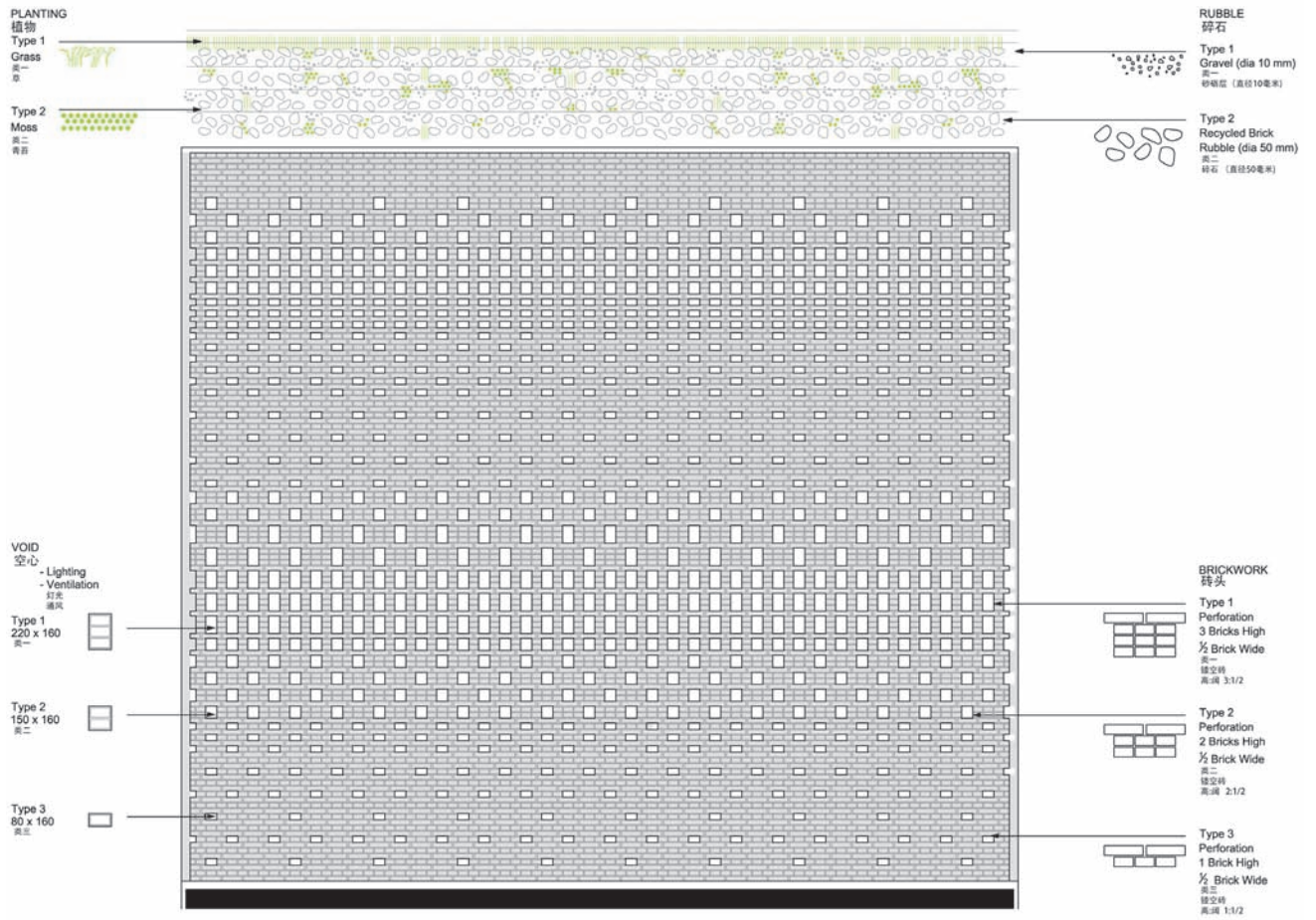
Responding to the prevalence of demolition in rural areas this project also proposes strategy for recycling old buildings into the new primary school. Our proposal for the demolition of the old building is to reuse the rubble as a growing medium and insulation on the proposed green roof. In the meantime, traditional 'green' bricks no longer manufactured will be collected from demolition sites of old houses in this historic region. These bricks will be used as a large screen wall and ground paving for the school. **AT**



模型剖面



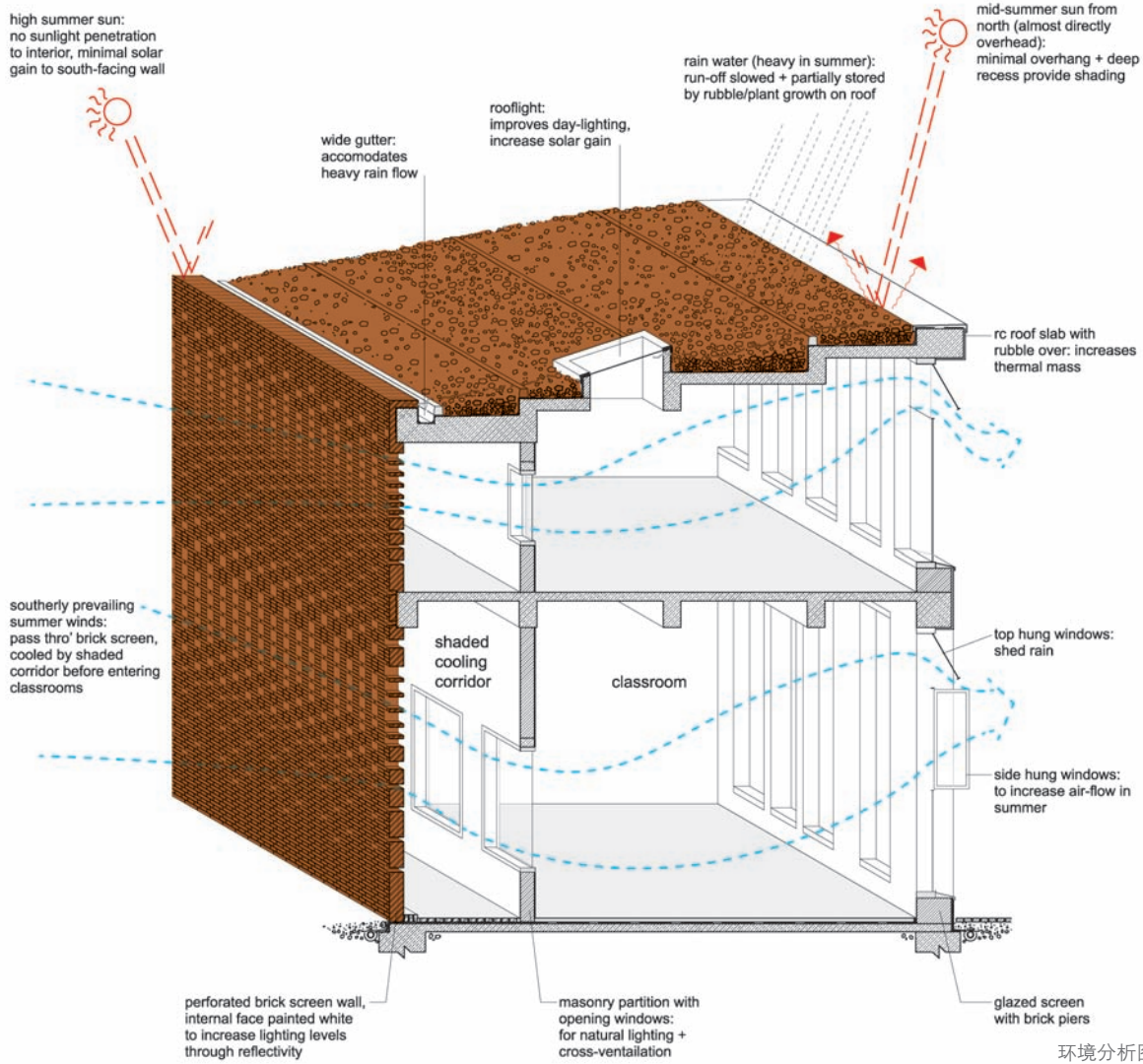
建成后的桐江小学



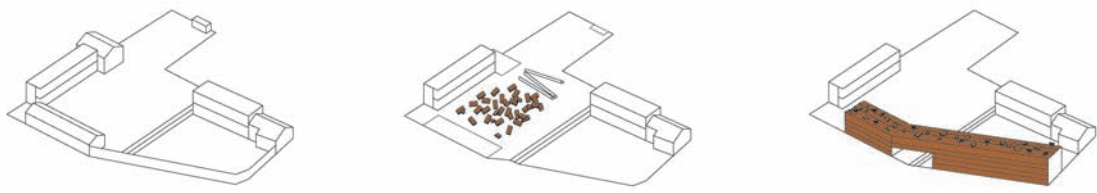
外砖墙细部



丰富的建筑立面



PROCESS



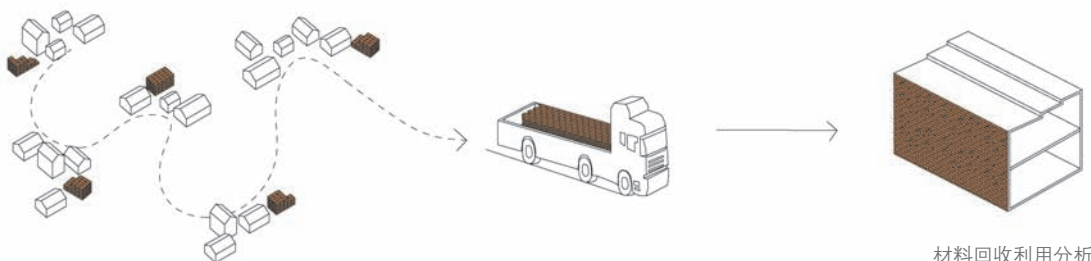
RECYCLING

Reusing brickwork from the demolished school building



COLLECTION AND RECYCLING

Collection of local traditional building materials and bricks



材料回收利用分析

