SAN FRANCISCO
GREEN ROOF TYPOLOGIES

Through green roofs and green walls have been called for in many plans developed by the Planning Department since 2007 there has not been a concrete implementable action plan or incentivizing policy created. The Planning Department is developing policies and incentives to enhance alternative greening opportunities in the built environment including: green roofs, living walls, rooftop gardens, urban agriculture and temporary greening projects like parklets. In some instances green roofs and walls can be a lower cost option yet share many of the same benefits of street trees including providing habitat and urban agriculture opportunities, promoting biodiversity, mitigating heat island and storm water, carbon sequestration, and aesthetic enhancement. Alternatives may even more effective than street trees in providing certain desired benefits.

Like street trees green roofs come in all shapes and sizes and various design and installation techniques yield carrying loads of benefits. By categorizing green roofs and walls into typologies it can be easier to understand root implications and to zone policies to promote targeted benefits. Though these typologies are not mutually exclusive, the case studies on this poster showcase particular purposes. Variables that impact individual green roof and root performance include:

- soil, irrigation, evapotranspiration, root depth, planting mix and other design criteria.

In September 2013, SPUR convened a multi-stakeholder Green Roof Task Force was to address the question of how to support the development and implementation of green roofs in San Francisco. Next steps in these efforts will be policy amendments and creating a Better Roofs Incentive Program. This process will build on a momentum on city-wide goals to install green roofs for new and retrofit roofs. For more information please visit http://www.spur.org/greenroofs

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GARDENING

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Urban Agriculture
Feeding Communities from a Rooftop

Designed by: Rana Creek
Greenroof System: Tray-based
Access: By appointment
Size: 9,500 sq. ft.

DESIGN: TRAY MODULE

- LIVING WALLS
- ROOFTOP GARDENS
- URBAN AGRICULTURE
- TEMPORARY GARDENS

Typology

街道或绿墙

- 适用于特定用途。变量可能影响单个绿色屋顶和墙的性能。
- 绿色屋顶和绿色墙壁根据其大小、形状和安装技术，可以提供各种好处。
- 通过将绿色屋顶和墙分为类型，可以更容易地了解其影响因素并制定政策，以促进具有特定目标效益的屋顶。

- 尽管这些类型可能不是互斥的，但这些案例研究展示了特定目的的绿色屋顶和绿色墙壁。影响单个绿色屋顶和墙性能的因素包括：
- 土壤、灌溉、蒸发和蒸腾、根深、种植介质和其他设计因素。

- 2013年9月，SPUR召集了一个多学科的绿色屋顶工作组，旨在探讨如何支持绿色屋顶的开发和实施。下一步将是政策修正并创建一个更好的屋顶激励计划。这个过程将建立在城市范围内目标的绿色屋顶的背景上。要了解更多信息，请访问http://www.spur.org/greenroofs

- 设计：托盘模块

类型

- 花园
- 绿墙
- 城市农业
- 临时花园

- 近期，SPUR成立了一个多学科的绿色屋顶工作组来探讨如何支持绿色屋顶的开发和实施。下一步将是政策修正并创建一个更好的屋顶激励计划。这个过程将建立在城市范围内目标的绿色屋顶的背景上。要了解更多信息，请访问http://www.spur.org/greenroofs