

## Urban

The urban concept of the provisional housing units and the relationship to the existing city structure and the high density neighbourhoods is celebrated and interpreted by re-shaping the grid into a system that evolves from a single hexagon into a unique structure. This urban structure is highly flexible and connects with the nearby neighbourhoods through various gaps in the grid. The gaps allow people to enter and interact within semi-public spaces. The convergence of multiple uses creates a vibrant and dynamic urban space that underlines the importance of bringing people together in a crucial time in their lives. The unique identity emanates from the various shifts in height creating an uplifting and welcoming architecture.

## Homes

Each unit consists of 4, 6 or 8 fully accommodated pieces put together on site. The flexibility of the housing unit is emphasized in the three different sizes of apartment and in the ability to stack the units on top of each other. In size the apartments range from the studio apartment (41sqm.) to the standard apartment (59sqm.) and the family apartment (77sqm.)

Families, having lost all their belongings in the storm, are provided quick occupancy and comfortable homes including facilities

such as kitchen, bed, storage etc.

This facilitates the immediate reconstruction of daily routines and provides distressed families with the basic tools to regain a normal life.

Outside attached stairways form a vertical connection and serve as informal areas where people interact. Ramps with printed numbers on the lower part of the units allow for easy accessibility.

The print gives identity to each cluster of homes. Handicap access is ensured by ramps at ground level on the assumption that people with disabilities occupy the first levels.

## Rationality

The units are prefabricated and stored in warehouses until deployment. Each unit is identical with the corresponding unit of the neighbouring apartments. In this way the fabrication rely on highly standardized-modules making the provisional homes economically feasible. All units are designed for easy transportation either by truck or helicopter. In size the units are designed to fit the bed of a truck and can be moved through the city without disrupting the overall traffic. Due to the light weight composite structure deployment from the air is also possible. This would be an alternative to deployment from land in inaccessible or cut-off areas.

## Sustainability

The ambition for the new housing units is to provide a place that demonstrates and focuses on future energy resources and the force of nature; an accelerator for the city that shows environmental consciousness. In New York City there is an unprecedented opportunity to integrate energy and environmental solutions leading to a project that demonstrates specific and robust examples on sustainable solutions thus contributing to the future environmental strategy already set for the city. Material used requires low maintenance and rely on efficient fabrication methods already used in the windmill industry. Emphasis has been placed on reducing the energy consumption for heating, ventilation, cooling and electricity. Overall solutions that balance indoor environment and energy consumption will rule the final decisions in terms of strategy and technical solutions. That includes: Well isolated walls, roof and floor as well as windows without thermal bridges. Heat recycling and sun cells on the rooftop provide a supplement to electricity.