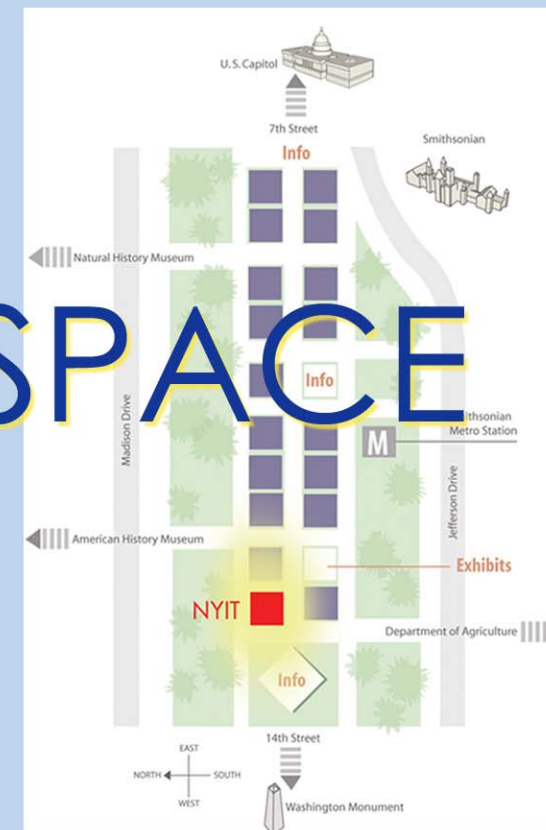
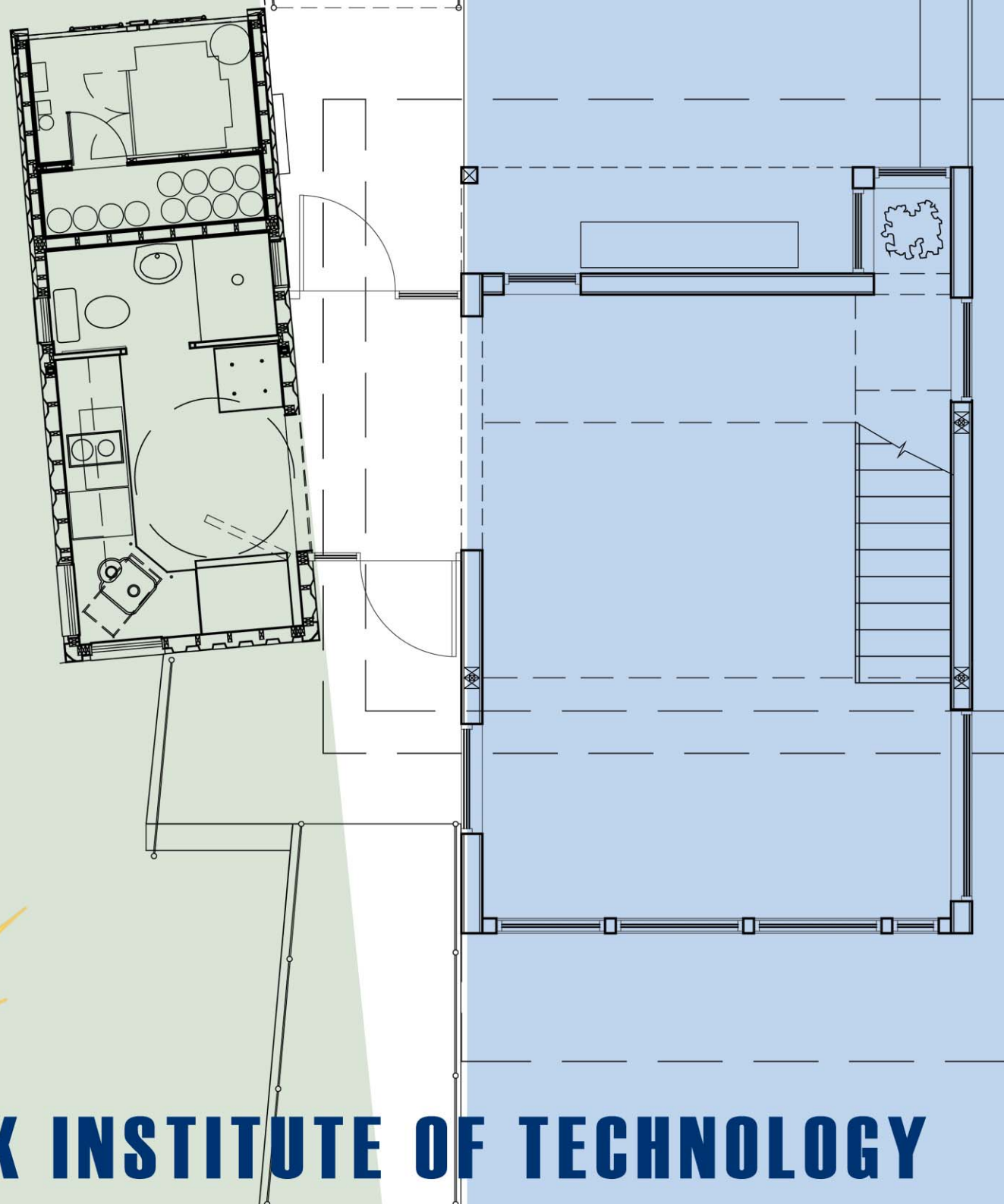


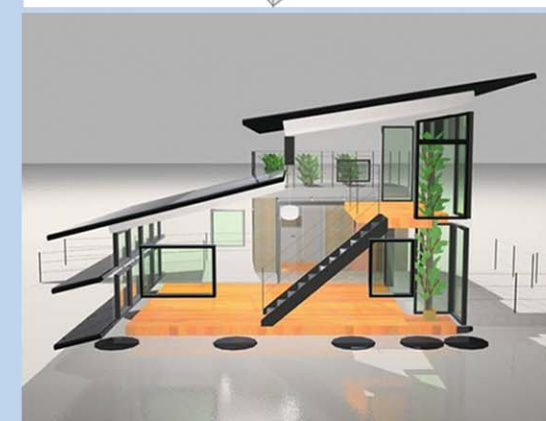
GREEN MACHINE / BLUE SPACE



Our Mission

We believe humans can live in harmony with Earth as one sustainable ecology. Our house will do no harm to the environment and will nourish and nurture the occupants throughout the course of its lifetime. The design separates the mechanics of life from leisure space to create a house of two parts which can be adapted anywhere.

The NYIT Solar house is unique on the Washington Mall because it incorporates a truly sustainable and clean power system by using a regenerative hydrogen based energy storage system as opposed to traditional batteries. Special high efficiency photovoltaics supply primary power, and a hydrogen fuel cell is used for energy storage.



Inside the Green Machine, the mechanics (power-users, heat-producers) collectively form the beating heart of the entire house. Green Machine contains a roof garden, kitchen, bathroom and non-polluting hydrogen fuel cell and electrolyzer. The Green Machine is a micro-cosm of the larger natural cycle of life enclosed in a modified, used shipping container.



The Blue Space is a large, noble space that is open and adjustable with a second-story loft for sleeping or reading. A bridge connects the loft to the roof garden. Blue Space is constructed out of biodegradable compressed straw panels.



The semi-conditioned breezeway between the Green Machine and Blue Space is transparent and allows for a view straight through the house visually connecting the front yard to the backyard.

The NYIT team considered a global design approach as well as the comfort and ownership of a locally designed home. In tandem, Blue Space and Green Machine work as one complete, self-sustaining unit. Green Machine is designed to be globally deployed while Blue Space can be indigenous to its locale.

The NYIT Team is proud to present to the world our entry for the 2005 Solar Decathlon- Green Machine/Blue Space.



NEW YORK INSTITUTE OF TECHNOLOGY