

NYIT Solar Decathlon Animation: The Breezeway

- Descriptions of the visual sequences are provided in italic fonts

(NYIT Solar Decathlon logo animation)

(The Breezeway is highlighted in red. The camera pivots from the front to the back of the Breezeway. A still image of the “dog-trot” house is shown.)

The Breezeway connects Green Machine to Blue Space and forms the entryway and exit to our home. The Breezeway allows for a single line of sight from the front yard to the backyard. Its architecture is inspired by an element from a southern United States typology called the “dog-trot” house.

(Arrows depict the circulation of air through the Breezeway. Light is shown entering the Breezeway.)

The design of the structure reduces the need for mechanical systems. It is conducive to natural ventilation. In addition, it minimizes the need for energy use by allowing natural light into the house.

(A composite view of the polycarbonate panel is shown. Aerogel is displayed. Light passes through the panel.)

The roof of the Breezeway is made out of a polycarbonate panel which is safely recyclable. The interior of the panel is filled with Aerogel, a synthetic compound that provides four times the insulation of a normal glass skylight, while at the same time transmitting light.

(The bridge is shown. Light passes through it.)

A bridge connects the Blue Space loft to the Green Machine Roof Garden. Its perforated metal stair-treads allow light to pass to the ground level. In addition, the treads provide a channel for ductwork between the two parts of the house.

(The Breezeway is shown.)

The Breezeway is a functional and elegant link between Green Machine and Blue Space.

(End Credits)