

BOSTON CHILDREN'S MUSEUM



ADAPTIVE RE-USE

Vegetative roofs with modular system for ease of access and plant replacement

Day-lit multi-story space to allow light deep into space

Simple structural bay structure to allow for flexibility of use and views

Restoration of the 1920's milk bottle for Boston Children's Museum logo

Vegetative Roof

New energy efficient air conditioning in the existing building

New energy efficient lighting and HVAC in existing building

Vegetative Roof

Perforated metal sun screen

Operable louver doors provide natural ventilation

Trees and vines planting shade western facing facade

Low albedo permeable paving



New Addition

Existing Museum

East-West Cross Section

Gray water storage and distribution system

New Addition

Existing Museum

North-South Section

WATER COLLECTION

Boston Children's Museum harvests storm water from both the green roof and main roof for building services such as irrigation and dual flush toilets. The program helps to reduce water runoff into Fort Point Channel by 88% and potable water demand and use by the museum by 77%.

LIGHT

The 23,000-square-foot expansion includes full height windows that allow more natural light in, exterior walls that open for light and ventilation, new halide lighting to reduce energy, and perforated metal panels that reduce heat gain.

SUSTAINABILITY

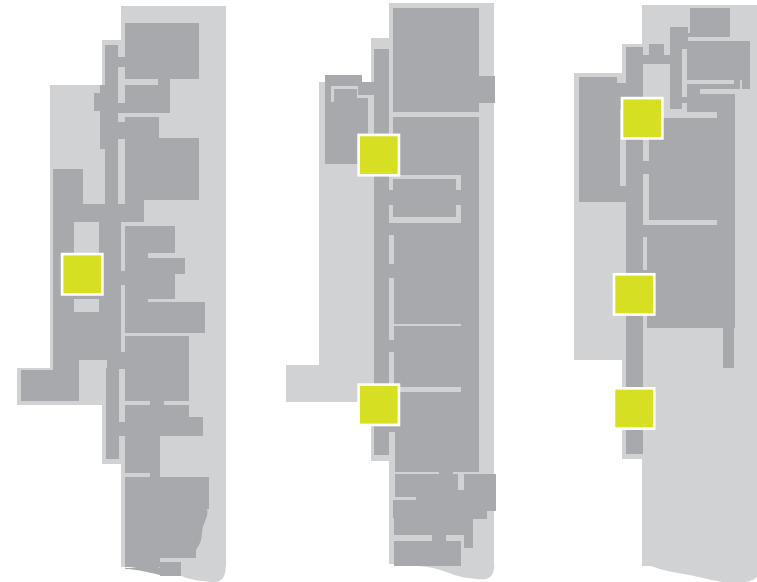
GOING GREEN

LEED

Boston Children's Museum is the first LEED certified museum in Boston and one of only a handful of Green museums across the country.

GREEN

The Our Green Trail exhibit highlights the aspects of the Museum's building and grounds that make it such an environmentally-friendly place.



LEARN

Throughout the Museum you will find interactive Our Green Trail stations that tell you more about the 6,000 square foot green roof, recycling efforts, low-flow toilets, lighting conservation and more. And each station suggests some things you can try to make your house, your community and our world a greener place.

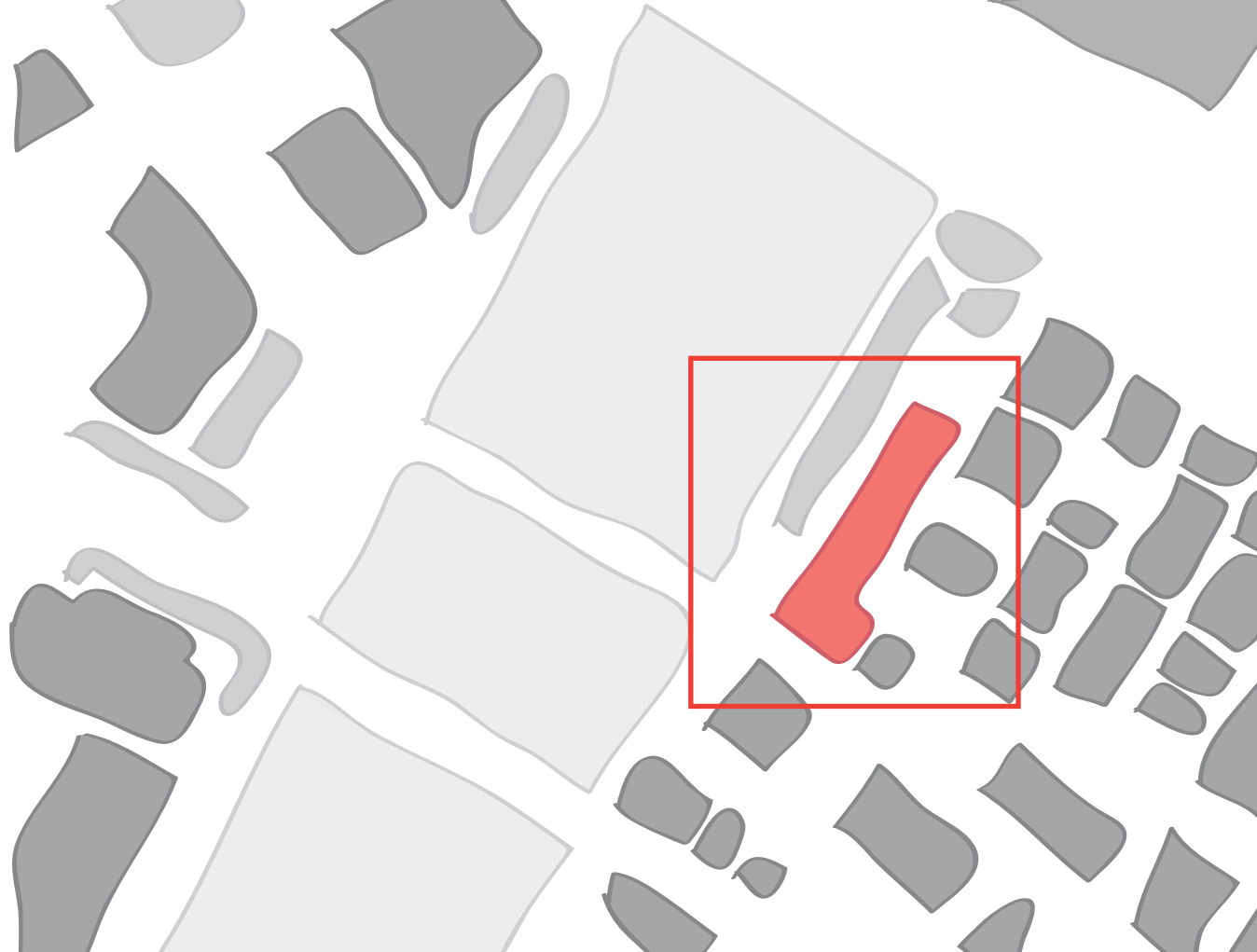
EXPANSION

The expansion and renovation of the Boston Children's Museum transformed the visitor experience for this important location in Boston's historic Fort Point District.

EXPERIENCE

The new addition augments the strong, simple mass of the existing warehouse structure while creating a new look for the Museum. The scheme also renews the visitor experience both inside and out, taking full advantage of its dramatic waterfront site with large hangar doors that open out to the Channel.

SITE





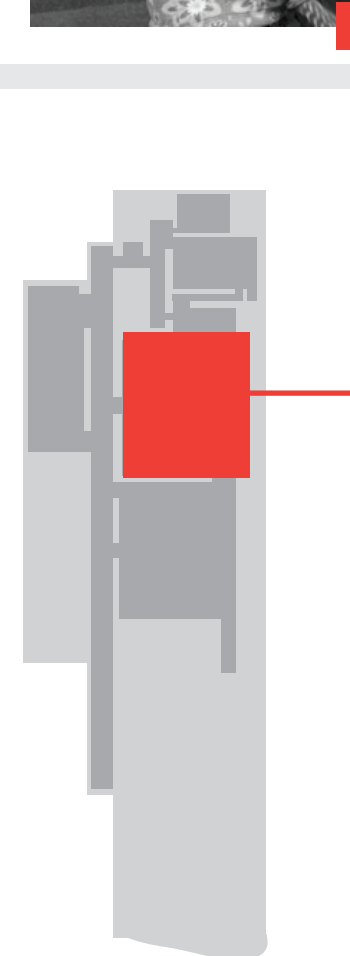
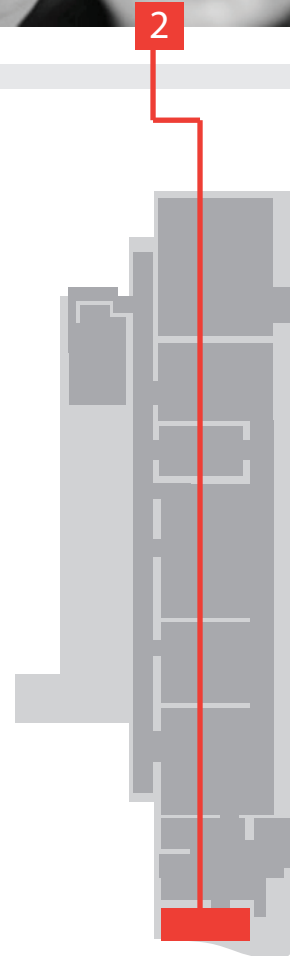
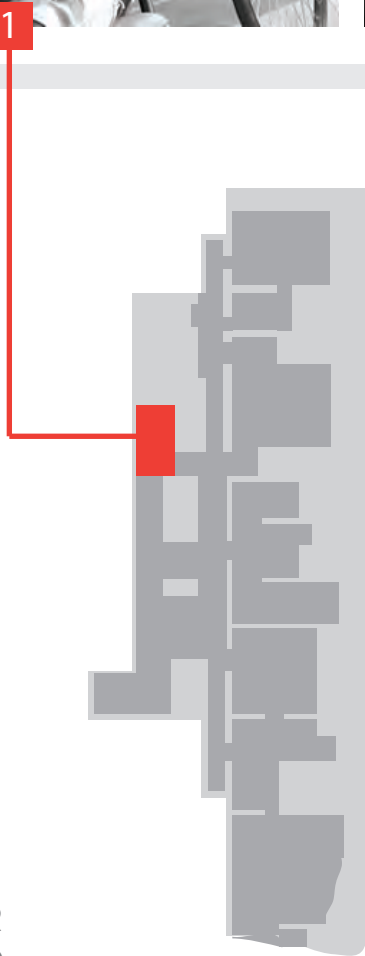
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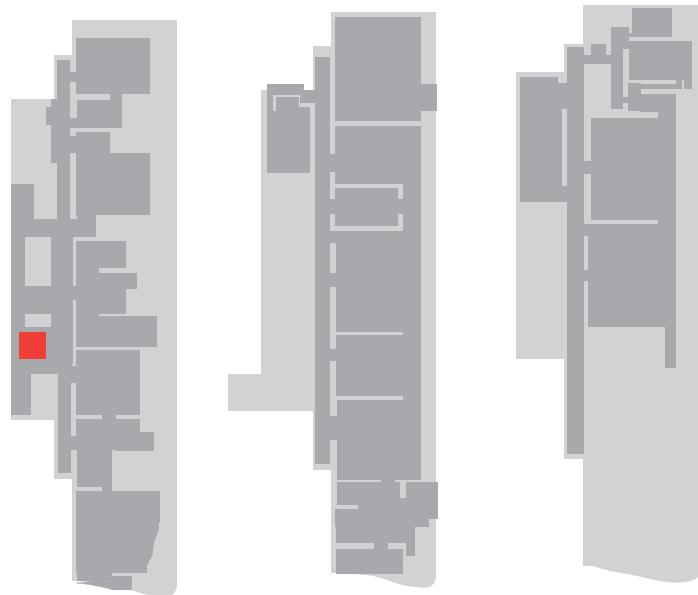
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- 1. KID POWER
- 2. ART STUDIO
- 3. BOSTON BLACK

EXHIBITS

INTERIOR



CIRCULATION

New circulation concentrates activity in the lower three floors of the museum. Giant overhead hangar-type glass doors open onto the lobby, creating a flow of interior and exterior spaces, while a climbing structure and various paths through the building create a sense of discovery in contrast to the more defined spaces and existing bays of the old warehouse. The "new" warehouse provides a richer, more diverse visitor experience.