

2016 CITATION

Jayna McClaran

LYCEUM

A traveling fellowship in Architecture

The image features a detailed architectural sketch of a stadium complex, rendered in a light, sketchy style. The drawing shows a large, multi-tiered stadium structure with a prominent circular arena in the center. The stadium is surrounded by various buildings, walkways, and landscaping elements, all interconnected by a network of lines and planes. The background is a soft, horizontal gradient transitioning from a light pinkish-red at the top to a pale yellow at the bottom. The text 'Olympic Stadium Proposal' is centered in a large, black, serif font, while 'Boston 2024' is positioned below it in a smaller, black, sans-serif font.

Olympic Stadium Proposal

Boston 2024



Charlie Baker
@CharlieBakerMA

Our nightmare is officially over! twitter.com/marty_walsh/st

2:58 AM - 14 Jul 2015

36 retweets 45 likes



Record breaking snowfall!
Boston gets 110 inches snow!!

Last trace of Boston snow pile finally melts away
Published July 16, 2015 | FoxNews.com
A filthy pile of snow in Boston's Seaport District, a lingering reminder of the city's record-breaking winter, is no more.

Mayor Martin Walsh said Tuesday that the tower of the white stuff had finally melted to nothing from an inch of snow. Boston set a new snowfall record this past winter, with 60.8 inches recorded over a 30-day stretch. That not only topped the notorious winter of 1978, which saw 58.8 inches of snow fall over a similar time period, but the city received more than 10 inches of snow.

The pile was constructed by workers who removed the snow from the streets and piled it up. That not only topped the notorious winter of 1978, which saw 58.8 inches of snow fall over a similar time period, but the city received more than 10 inches of snow. The pile was constructed by workers who removed the snow from the streets and piled it up. That not only topped the notorious winter of 1978, which saw 58.8 inches of snow fall over a similar time period, but the city received more than 10 inches of snow.

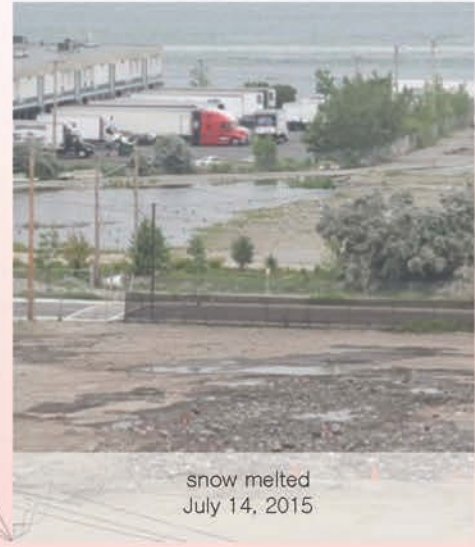
WHAT TO DO WITH ALL THE SNOW?!

+ Create architecture that is informed by environmental conditions and is beneficial for the future

The Olympic stadium is a H2O energy system that will address Boston's snow storage crisis. By using the snow for air conditioning and melted snow for hydroelectric energy it will create a self sustaining facility which will support the idea of eliminating, "wasteful single serving Olympic Architecture."



last snowfall
April 24, 2015



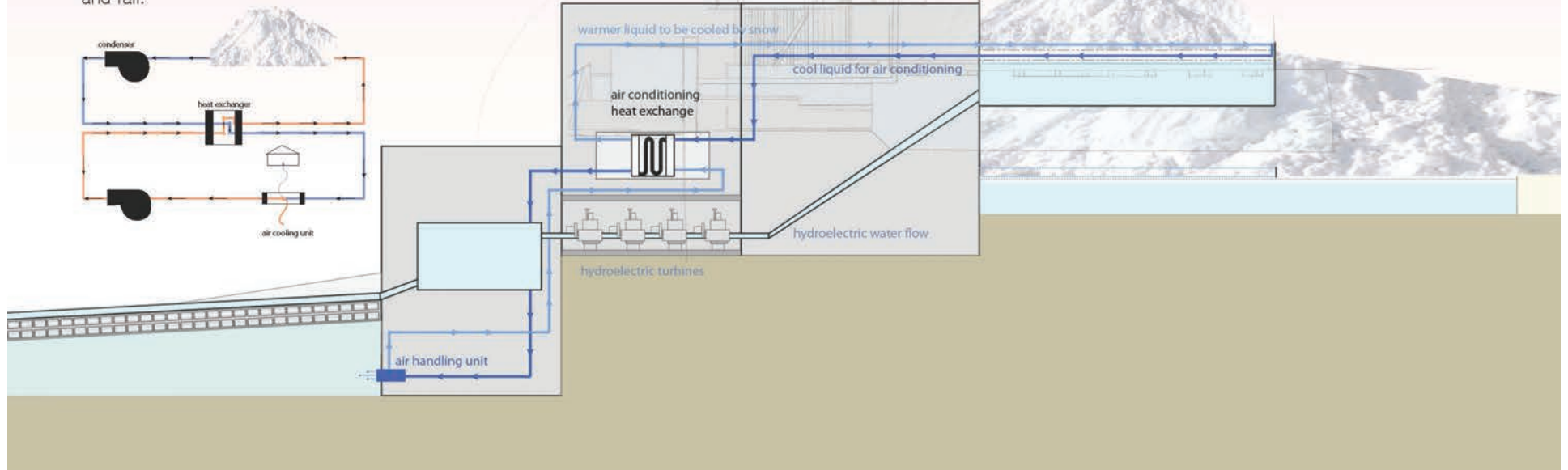
snow melted
July 14, 2015

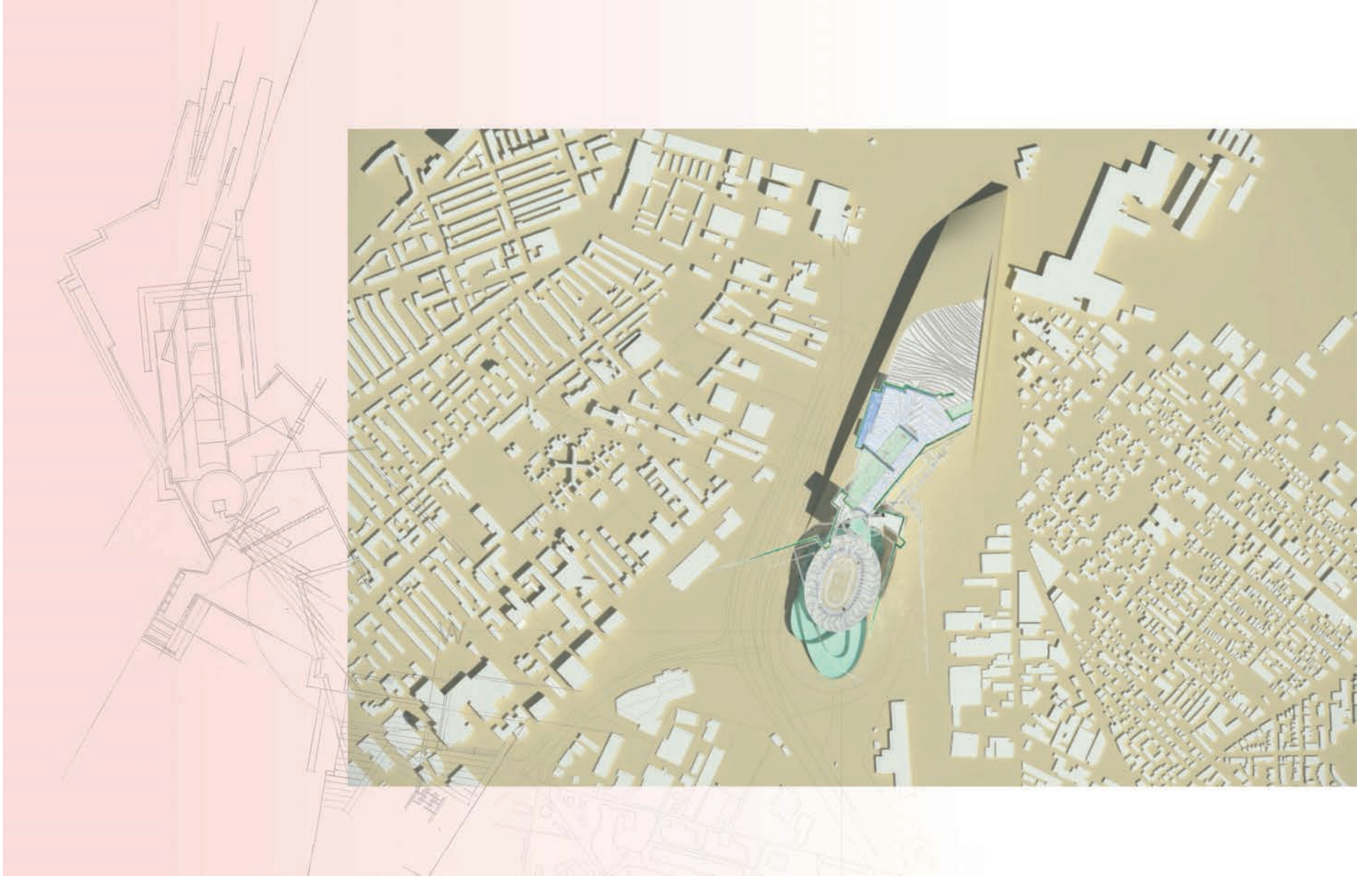
Snow Farm

+ Snow for air conditioning
Outside air loses heat from contact with the snow-cooled liquid. The cool liquid picks up heat from the outside air then flows through the snow again to re-cool.

+ The snow gains heat and the water begins its descent to be used to create hydroelectric energy. This small scale hydroelectric plant demonstrates how it can be used for small scale energy production.

+ Additional water is used in plumbing, water walls/ponds and irrigation of vegetative walls which blossom in the spring, summer, and fall.





+ **solar blanket** to insulate snow

+ **solar skin** to shelter spectators

+ **snow farm** holds a volume of 200,000,000 m³ of snow at capacity

+ **hydroelectric plant** uses gravity fed liquid produced from melted snow

+ **vegetative wall** as cultivation center for plants in spring, summer, and fall

+ **Olympic stadium**

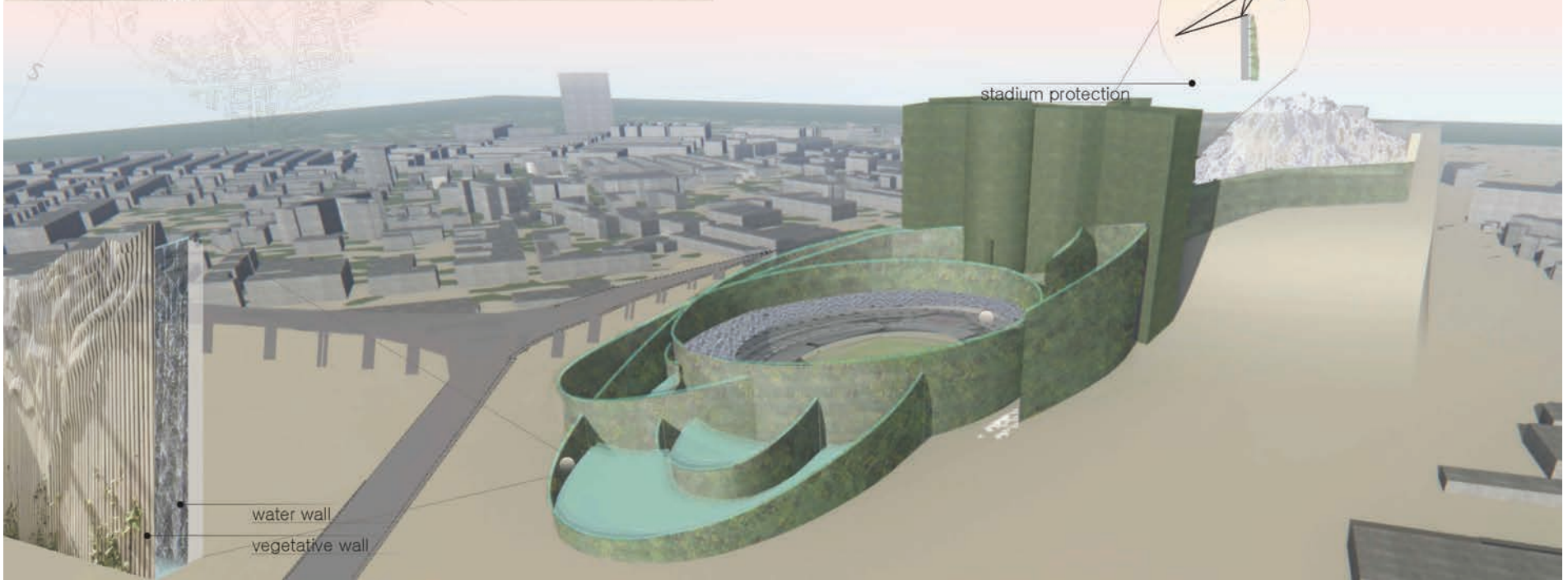
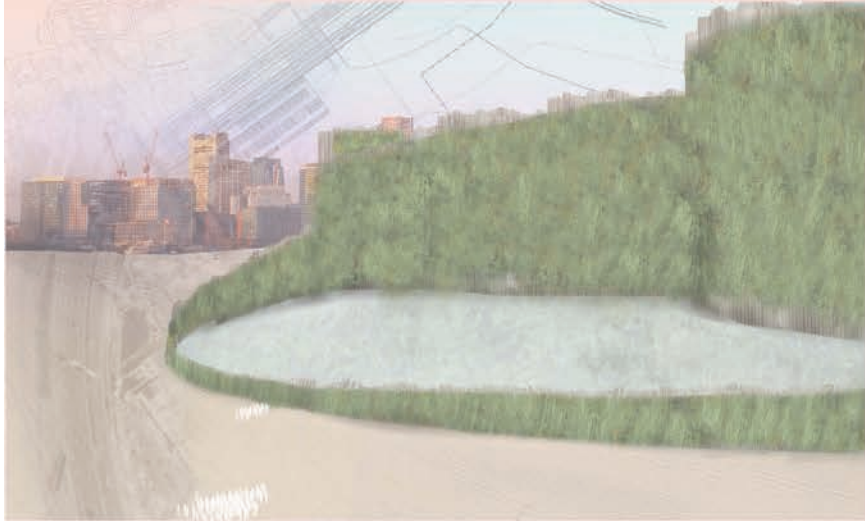
+ **water wall** utilizes water from the hydroelectric plant for vegetation cultivation gardens and ponds

+ Boston had 110 inches of snow in 2015.

+ 110 inches of snow in one square mile would have a volume of ~ 70, 400,000 m³

+ stadium can hold over 200,000,000 m³ of snow at capacity

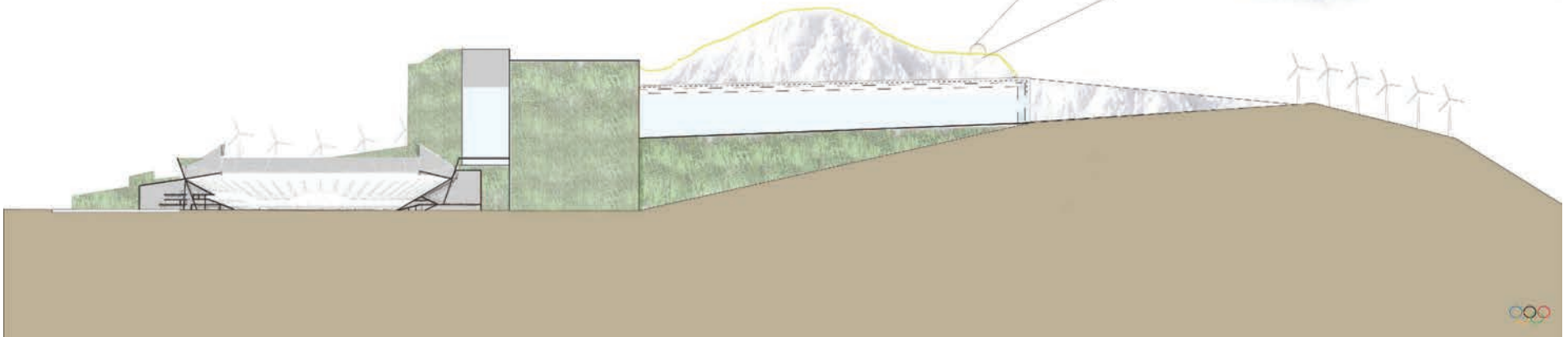
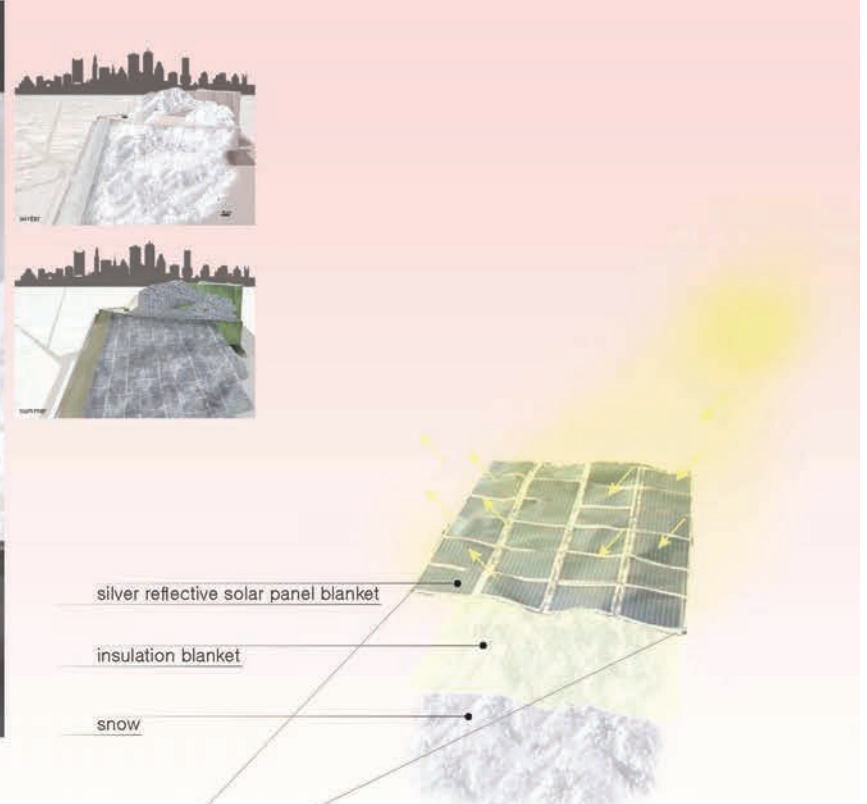




stadium protection

water wall

vegetative wall





Mahalo