

STUDY CASE



About Our Customer /

BUILDING And CONSTRUCTION AUTHORITY

The Building and Construction Authority (BCA) is an agency under the Ministry of National Development, championing the development of an excellent built environment for Singapore.

Project Date / 2017



DESIGN . FABRICATE . INSTALL

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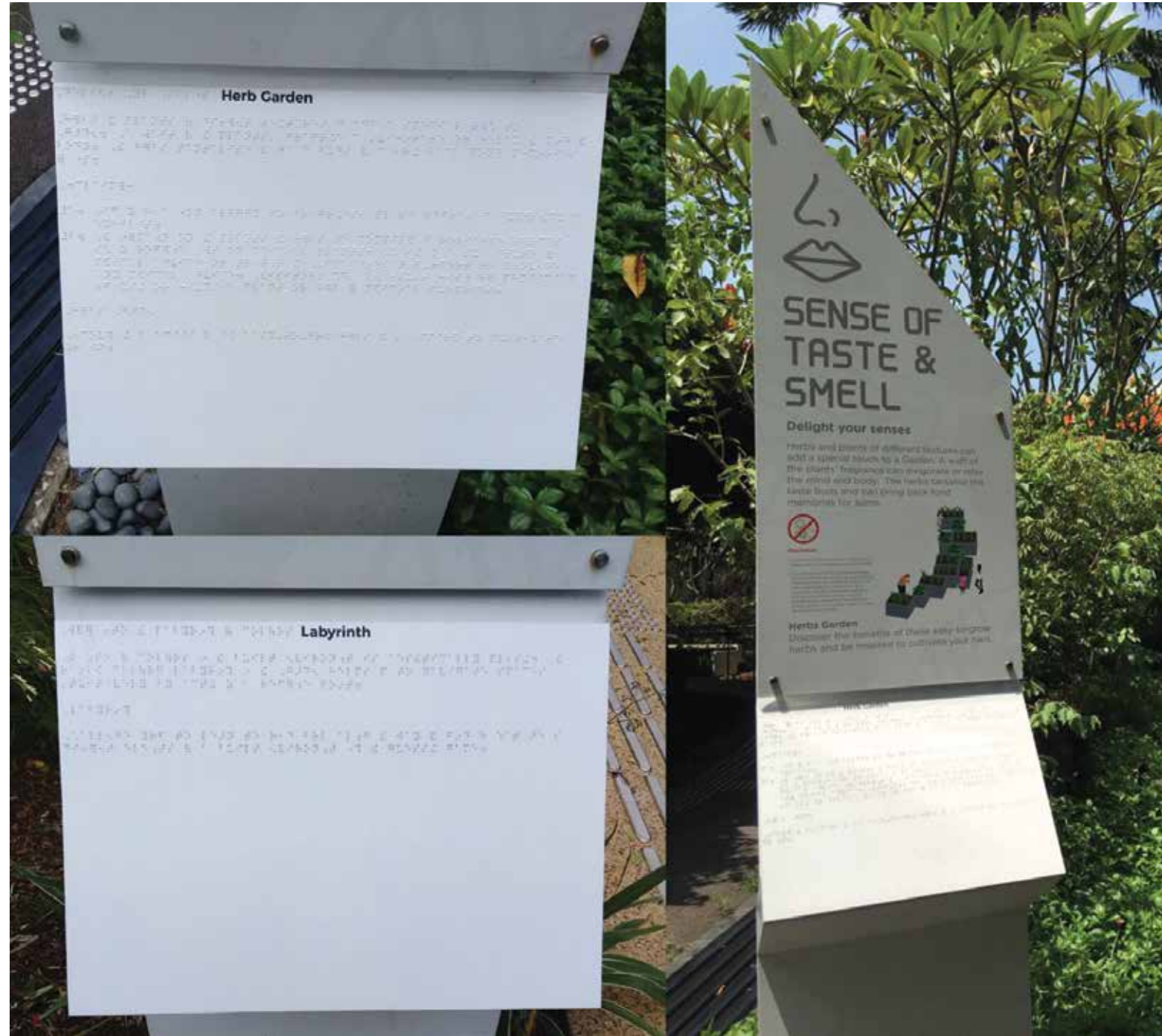


BCA's Sensory Garden project required their existing pylon signs to be fitted with large braille panels made with a material that would remain cool to the touch even under a full day of exposure to the sun's rays, while still being durable and legible to be read by people with impaired vision.

This was no easy feat as outdoor-grade braille is generally made using aluminium, however using any metal in this case would cause it to heat up under the sun, making for a painful experience for anyone that had to continuously touch the metal base and braille bumps to read the information related to the sign.

We decided to overcome this problem by using high-quality 3mm-thick acrylic baseplates with ADA/BCA-compliant acrylic pellets precisely machined and inserted into the baseplates and then painted with a UV-reflective paint to ensure a cool-to-touch product that would last outdoors!

The result speaks for itself - over 1 year later there is not a single pellet dislodged, and the signs have served hundreds of guests visiting the Sensory Garden!





SENSORY GARDEN

See, Hear, Touch, Smell and Taste
in a garden for the senses!

The BCA Sensory Garden is an outdoor experience set amidst of the BCA Gardens. First built in 2009, it underwent a major renovation in 2016.

Designed to engage the five senses of our visitors, it encompasses a wide range of activities, from sensory to exercise to enjoy, learn, discover and play. It's getting a sensory design.



Universal Design (UD) Features in the Sensory Garden

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Handwritten notes in Malayalam script at the bottom of the map, including the word 'സെൻസറി' (Sensory).





Thai Basil
Ocimum basilicum var. *thai*
 A large-leaved variety of basil with a distinctive orange-red stem and a strong, spicy scent. It is commonly used in Thai cuisine, particularly in dishes like Tom Yum and Thai Basil Chicken.

Uses & Benefits

- The leaves are commonly used in Thai cuisine, particularly in dishes like Tom Yum and Thai Basil Chicken.
- It is known for its strong, spicy scent and is often used as a natural insect repellent.

Lemon Scented Geranium
Pelargonium citroloides
 A perennial herb with a strongly lemon-scented foliage that is native to South Africa. Its pinnate leaves contain a glandular substance called citral, which produces the lemon scent. Its unique flowers are pink to white with a slight veining on the upper petals.

Uses & Benefits

- Essential oils derived from dried or fresh geranium leaves and flowers can soothe cramps and indigestion.
- The essential oil extracted from the leaves is a common ingredient in natural insect repellents.
- An essential oil is used as a flavoring agent in baked goods.



GUESS THE WORD

.....

HINT

S U T A N A L T Y

GUESS THE WORD

.....

HINT

U I V
 D S R S
 G N L

