

The Green Wall

Tranquil beauty
surrounding
guest amenities





LONGWOOD
GARDENS

Nestled inside the East Conservatory Plaza, the Green Wall was completed in 2010 as part of a new grand entrance plaza





Excellence in Architecture and Garden Design



It is the largest indoor green wall installation in the United States:

- 13 feet tall
- 360 feet long

Energy efficient:

- Radiant heated floors
- Drip irrigation
- Natural lightning
- Beneficial insects

Plants:

- 33,000 plants
- 17 different genera
- (plant families)
- 3,621 growing panels



The Wall Behind the Green

3,621 hydroponic planting panels are clipped in place on a stainless steel frame. Each connects to an automatic watering system.



Growing Panels

Hydroponic planting panels are composed of rockwool encased in polycloth.

Rockwool is a horticultural growing media made from fibers of melted basalt rock and chalk.



Growing Panels

Backup panels are started in production greenhouses where plants get a strong start growing horizontally.



The planting blocks are thoughtfully placed for a pleasing visual impact and fluid design combining textures and color.

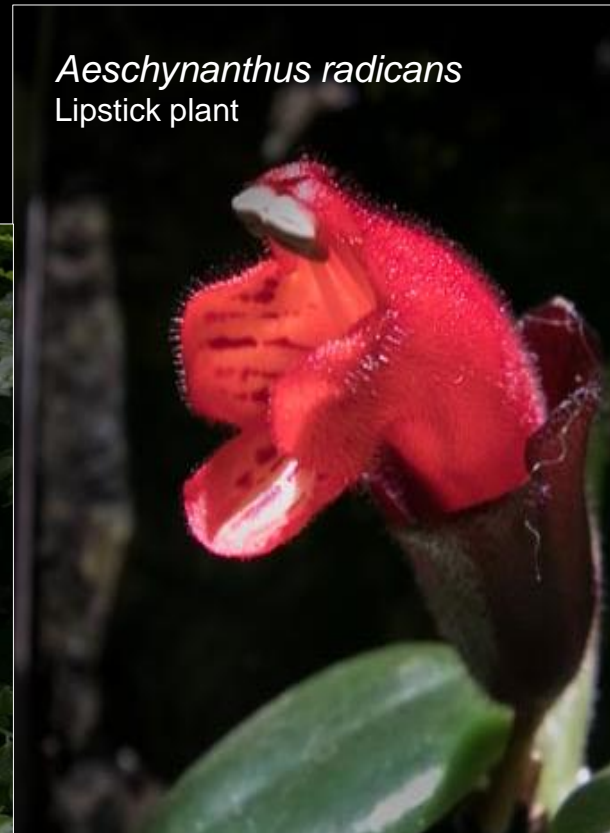
More than 33,000 plants from 30 different plant species – primarily ferns



Polypodium attenuatum 'Falax'
Crested polypody



Spathiphyllum 'Power Petite'
Peace Lily



Aeschynanthus radicans
Lipstick plant



Pteris cretica var. *albolineata*
White-lined cretan brake fern



Phlebodium aureum 'Blue Star'
Hare's foot fern



Chlorophytum comosum
Spider plant



Asplenium antiquum 'Leslie'
Japanese Bird's Nest Fern



Cyrtomium falcatum
'Rochfordianum'
Japanese Holly fern



Davallia fejeensis
Rabbit's-Foot Fern

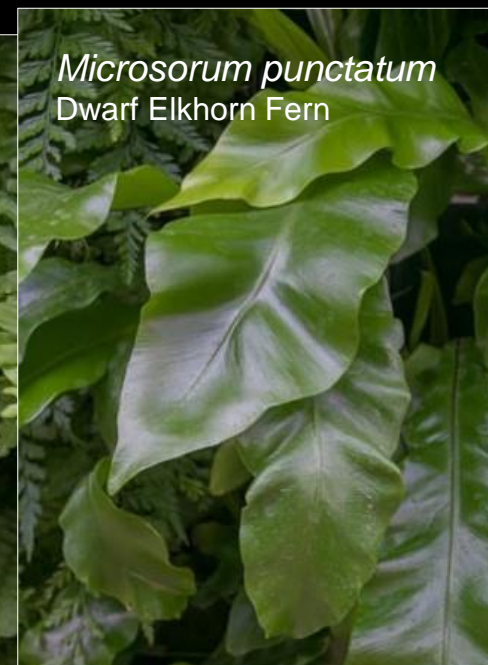
Design elements: Utilizing the texture palette and shades of green...



Pteris cretica 'Mayi'
Cretan-brake Fern



Nephrolepis exaltata 'Bostoniensis'
Boston Fern



Microsorium punctatum
Dwarf Elkhorn Fern

Diversity in shape and color within the *Adiantum* genus



A. microphyllum 'Little Lady'
Maidenhair Fern



A. capillus-veneris
Southern Maidenhair Fern



A. hispidulum 'Bronze Venus' [immature]



A. raddianum 'Snowflake'
Variegated Maidenhair Fern



A. hispidulum 'Bronze Venus'
Rosy Maidenhair Fern



Continual grooming twice a week maintains the design pattern and keeps plants healthy by allowing better air circulation and encouraging new growth.





Thanks for visiting the Green Wall!