[redacted]

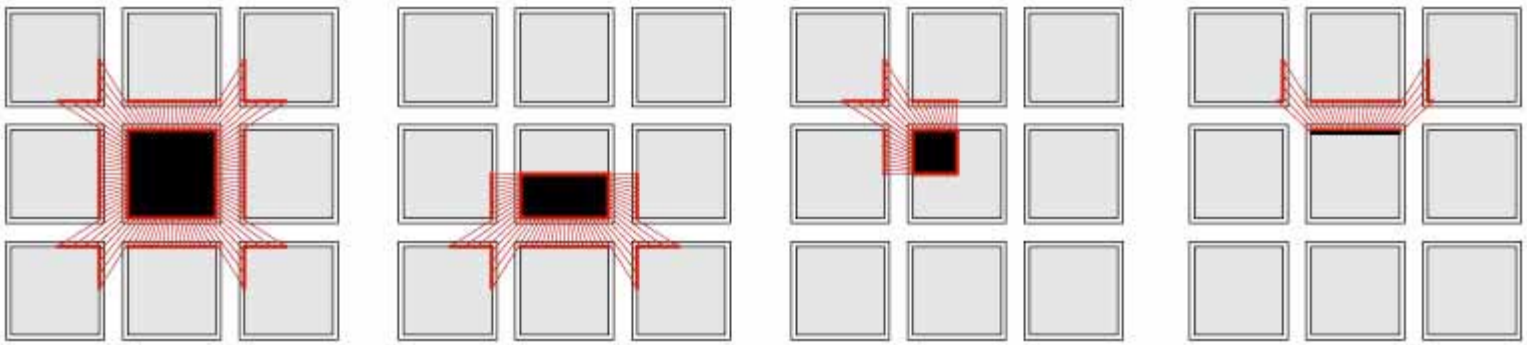
Vertical Gardens Grant Initiative

2008

Inspiration? Blank Walls

Inspiration? Parking Structures

The Whole Environment



The Whole is Greater than the Sum of its Parts

All Façades, good or bad, effect their surroundings

Houston Climate & Plant Species

Houston's Hot & Humid Climate supports a variety of plant life

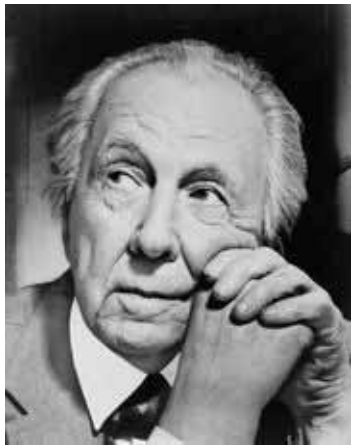
Best Climbers:

- Fig Ivy
- Carolina Jessamine
- Star Jasmine
- Evergreen Wisteria
- Mermaid Rose

Architecture

”A doctor can bury his mistakes but an architect can only advise his clients to plant vines.”

- Frank Lloyd Wright



Parking Garages

Parking Garages

Direct Growth

- Simply Planting a Climbing Species at the base of a structure

- Fear of damage due to root penetration

Structure/ Trellis/ Panel System

www.greenscreen.com

- Rigid Panels attached to Structure
- Structural concerns at greater heights
- Greater Expense

Cable Systems

Hayn Lines www.hayn.com

- Plants grow on tensioned cables
- Attractive before plant growth

Carl Stahl www.decorcable.com

Potted Irrigated Structures/ Trellis

www.eltlivingwalls.com

Potted Irrigated Structures

Living Wall Structures

Planted Gabion Walls- Asakura Robinson Co. www.asakurarobinson.com

Living Walls / Vertical Gardens

Patrick Blanc

www.verticalgardenpatrickblanc.com

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Vertical Gardens Grant

The Houston Downtown Management District (HDMD) Vertical Gardens Matching Grant initiative is intended to assist in the facilitation of wall cover plantings and exceptional landscaping on blank walls, parking garages, and sidewalks in Downtown; Improving overall aesthetics, pedestrian comfort, air quality and reducing heat island effect

Vertical Gardens Grant Applicants

HDMD Grants are available to downtown based companies or organizations which fit the following descriptions:

- Property Owner
- Tenant
- Registered Non-Profit Organization

Vertical Gardens Grant Size

No Grant may exceed 50% of the total project cost up to $20,000

The Match may include in-kind contributions such as:

- Professional Services
- Materials
- Labor Costs

Vertical Gardens Grant Timeline

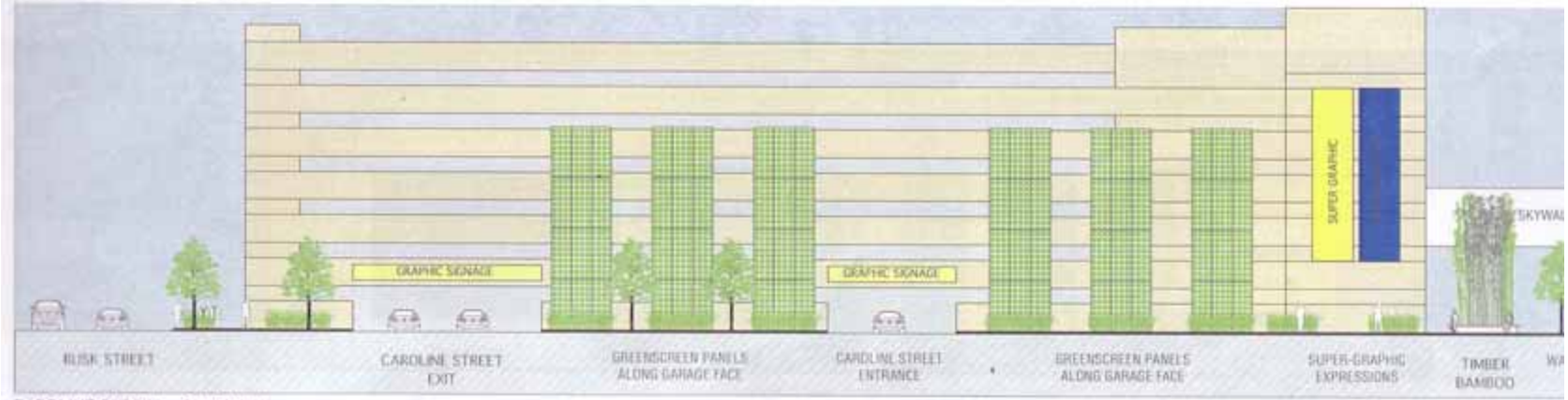
- Optimal Growing season begins in mid-February and ends mid-October.
- Optimal Planting (Dormant) Season is from mid October to mid-February
- Applications should be submitted before the end of growing season to take advantage of the optimal planting season

Projects in Houston

Projects in Houston

Greenscreen Panels w/ Star Jasmine on Garage Facade

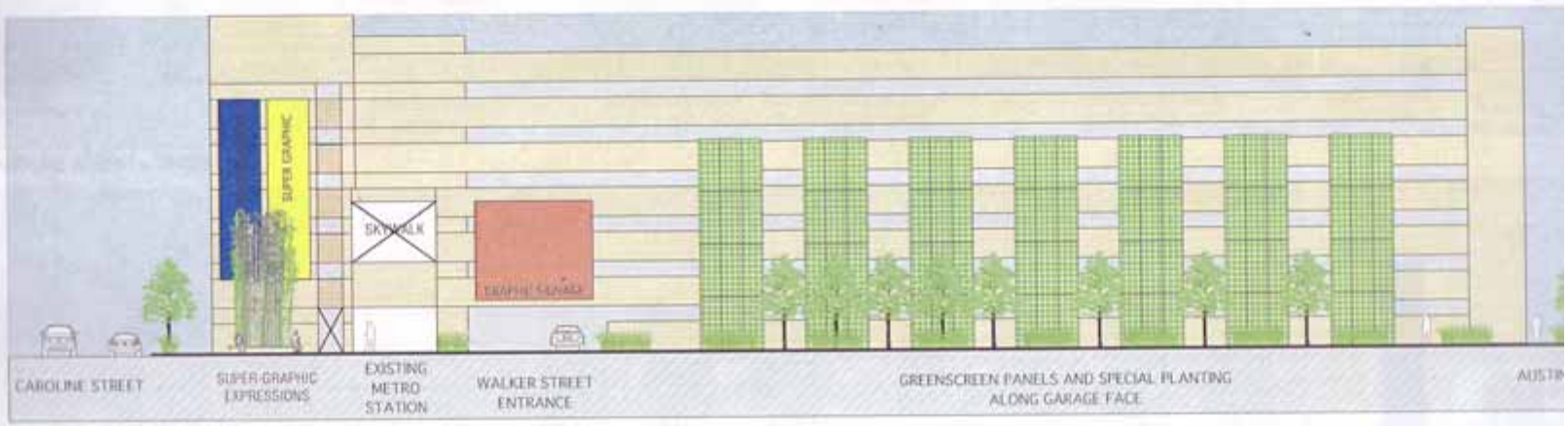
CAROLINE STREET - OPTION B



CAROLINE STREET - OPTION A

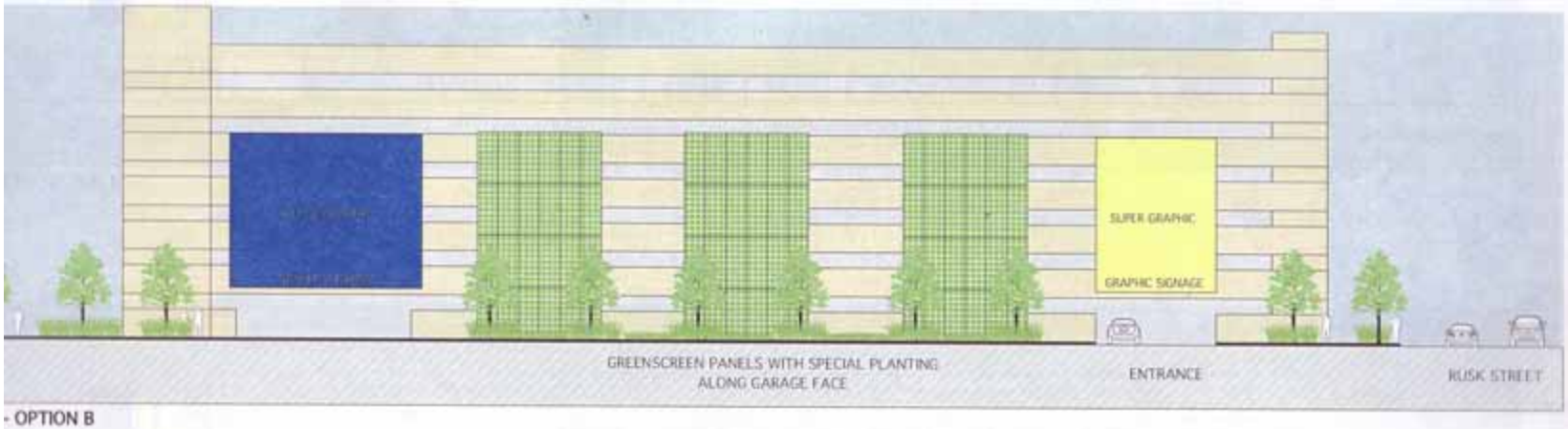
Projects in Houston

WALKER STREET - OPTION B

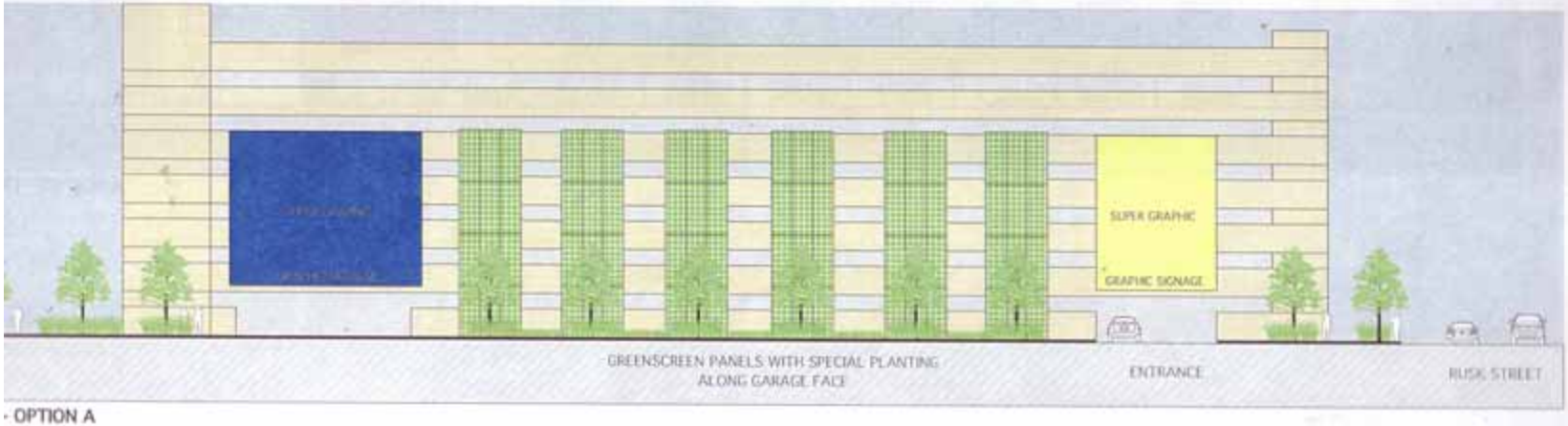


WALKER STREET - OPTION A

Projects in Houston



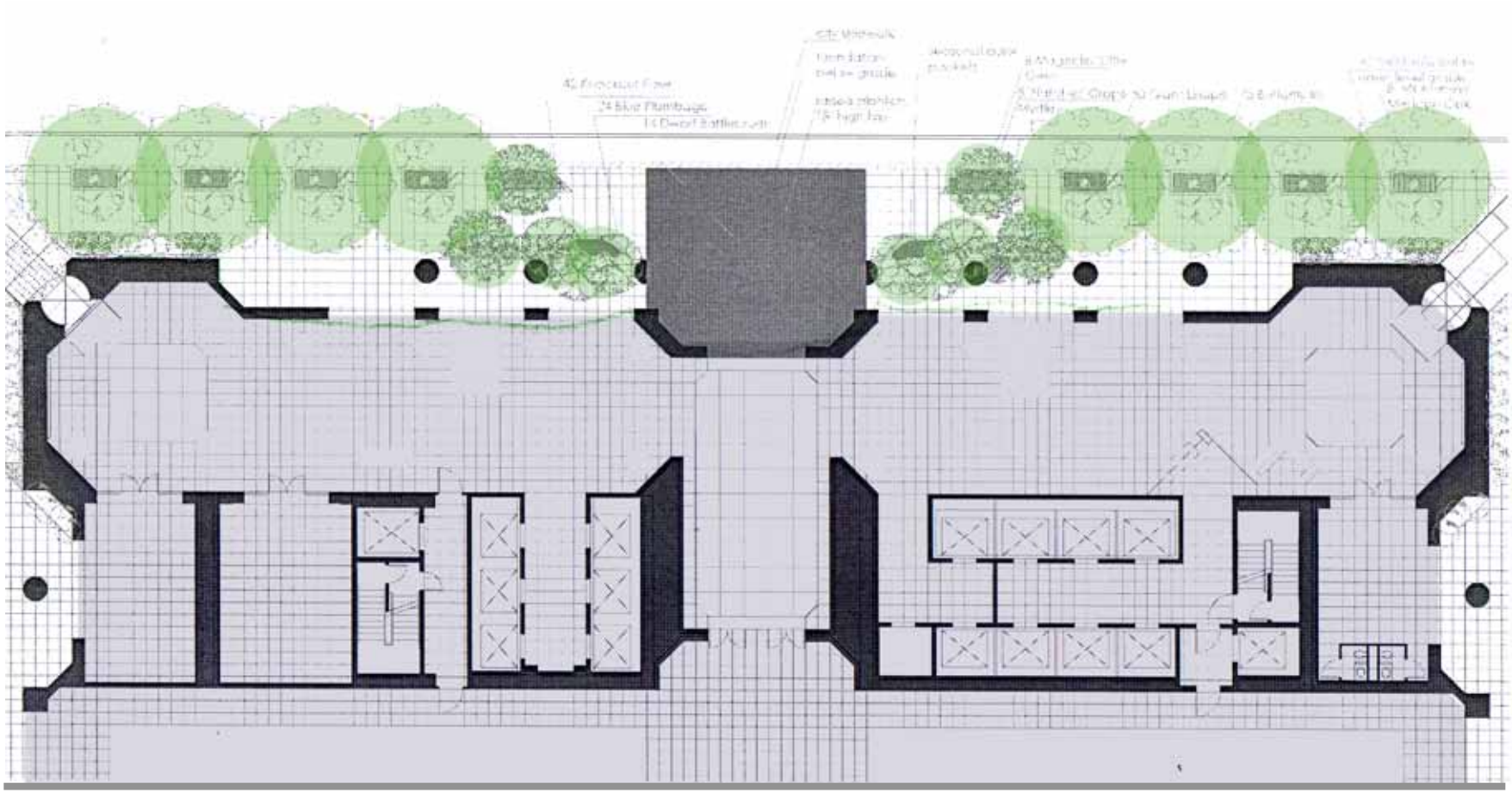
- OPTION B



- OPTION A

Projects in Houston

Tree Planting and exceptional landscaping on sidewalk & building Facade



Projects in Houston

Christ Church Cathedral Outreach Center

Public Right of Way Design

Public Right of Way Design

Dallas @ Caroline

Public Right of Way Design

Public Right of Way Design

Dallas @ Centerpoint Building (between Louisiana & Milam)

Central Houston Environmental Stewardship Initiative

- Heat Island Task Force
- Energy Task Force
- Vehicle Miles Traveled (VMT)
- VMT Bikes
- Recycling Task Force
- Education/ Marketing Task Force

http://centralhouston.org/Home/Programs/EnvironmentalStewardsh/

Vertical Gardens Grant Initiative

2008

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