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Board Presentation



Project Information

Project Name: 綠之源 / Our Green Place Project Location: The Hong Kong Jockey Club Headquarters Greening Size:

a. Green roof garden - Approx 350m2

b. Green wall - Approx 20m2

c. Eco- timber - Approx 135m2

Design Objectives

- a. Reduce carbon footprint by using as much recycled materials or environmental friendly products as much possible
- b. Be 3R (Reduce, Reuse and Recycle)
- c. Combination of green roof and green wall design
- d. Made use of the existing gondola rails by installing a removable Eco- timber deck.
- f. To ensure enough loading and good waterproofing works
- g. Maintenance must be as low as possible by selecting appropriate species
- h. Make good use of space
- i. Green promotion
- j. Reduce Roof temperature

Special Features

Recycled Materials:

- a. Waterproofing materials: PVC sheet 65% recycled (plastic)
- b. Green roof materials: 80% recycled (plastic)
- c. Green wall materials: 80% recycled (plastic)
- d. Eco-timber : 75% recycled (35% wood, 40% plastic)
- e.Tires planters on wall: 100% old tires (21 nos)



Renewable Energy:

Irrigation system:All solar energy timerLightings :Solar lamps and Wind PowerTemperature sensor:Monitoring temperature different











Color Code CWKWC21 Color Code CWKWC2 Codar 전쟁산 Brown 초면제(







Important Factors

- Loadings
- Waterproofing
- High Drainage Capacity
- Wind Uplift and Green Roof Edge
- Correct Plants and Substrates
- Insects
- Low Water Consumption
- Simple Irrigation System
- Maintenance (Weeds Control)

	Loadings	
0.75kPa – Type A	1.3kPa – Type B	1.8kPa – Type C
Inorganic /Soilless -Planting Medium	Inorganic /Soilless - Planting Medium	Organic - Planting Medium
Crushed Bricks	Crushed Bricks	Soil
Lava	Peat Moss	Peat Moss
Mixture of Crushed Bricks & Lava	Mixture of Crushed Bricks & Peat Moss	Mixture of Soil & Peat Moss
Sedum	Sedum ,Turf & Ground Covers	Ground Cover, Turf ,Shrubs & Trees
Sub	strates Height. 10	<u>omm</u>











Low Maintenance With Least Water Species Used



1. 鋪地臭金鳳 Lantana montevidensis



2. 花葉蒲草 Liriope spicata 'Variegata'



3. 蚌花 Rhoeo discolor







5. 腎蕨 Nephrolepis auriculata



6. 長葉蒲草 Ophiopogon japonicus





Low Water Consumption and Simple Irrigation

- 1. Irrigation as simple as possible
- 2. Water as little as possible









As Built Drawing





Before Greening

























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Construction Works



Waterproofing Works



Soiling



Green Roof System Installation



Eco- Timber Installation



Plantings



Vertical Green Wall- Sub frame





Vertical Green Wall







The Hong Kong Chapter of The International Facility Management Association (IFMA)



End and Thank You!