

Skyrise Greenery Awards 2012

Citywalk One & Two



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Project Vision



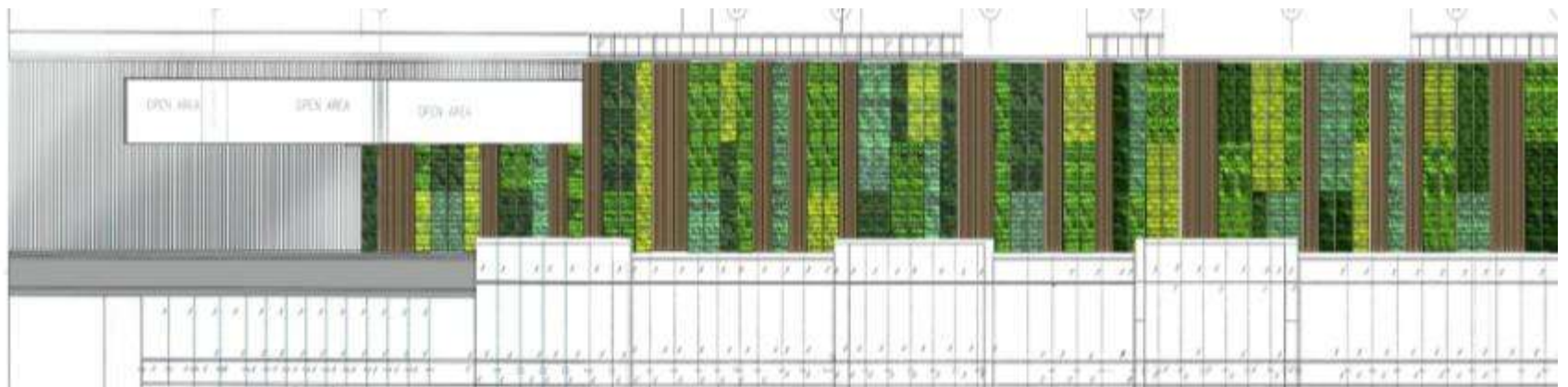
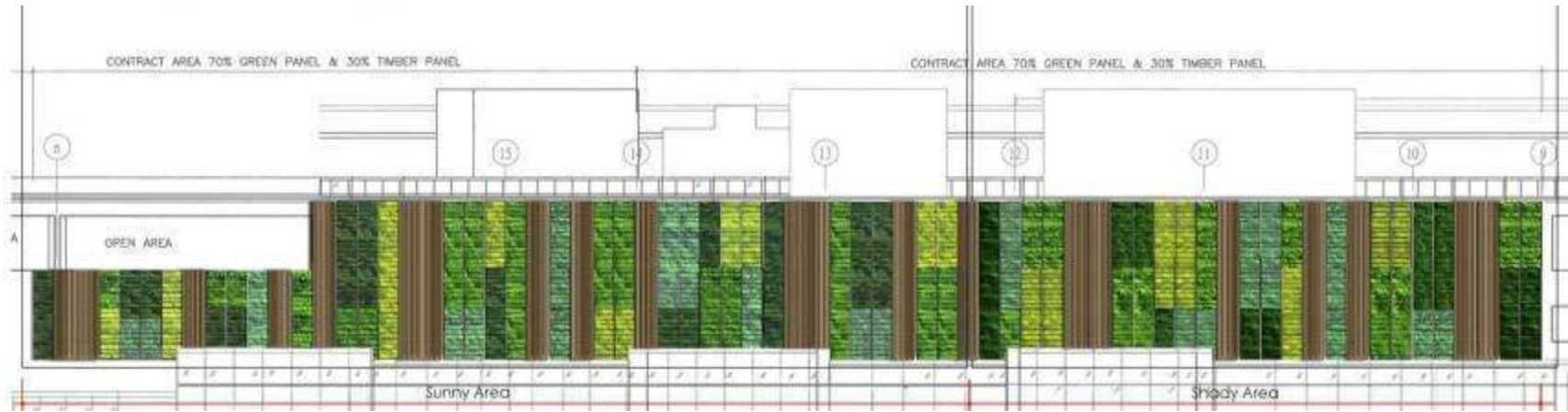
considerations

- orientation
- aspects
- height & size
- site constraints



prefabricated lightweight façade system

Design concept

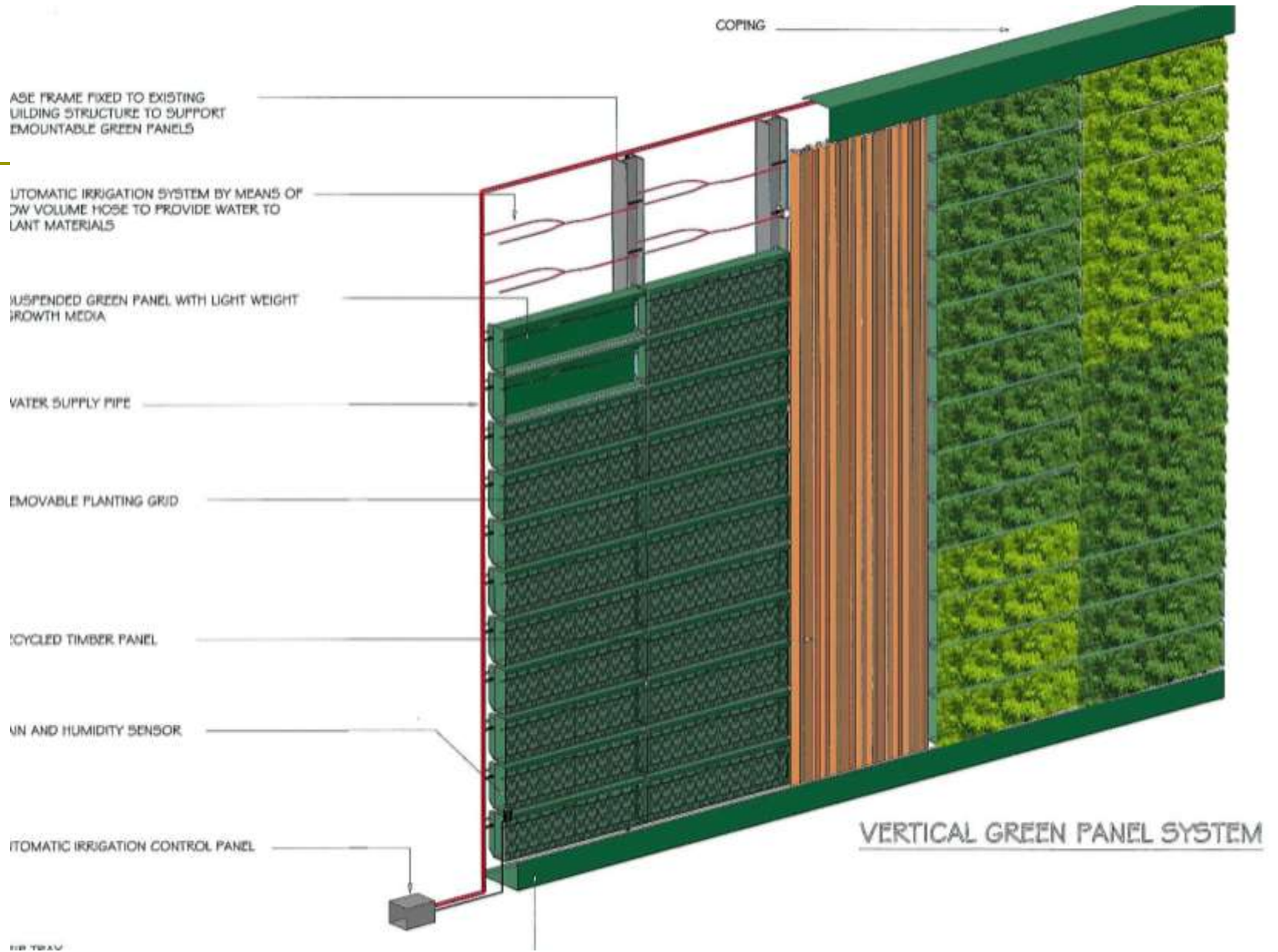


Integrated system



Elevation study

Structure . Irrigation . panel



Mock up & testing



support frame . panel installation . growth medium . planting palette

On site installation



Work sequence



- Scaffolding
- Leveling
- Bracket installation
- sub frame

Work sequence



- green panels
- soil grid
- plant preparation
- irrigation system
- grid installation



Facts of greenwall

- Area • 700 sq.m
- Max height • 17.5m
- Green panels • 1,090
- Plants • 39,600
- Installation • 6 months
- Irrigation zones • 26
- Watering time • 2 hrs

Work sequence



Completion : 8 / 2007

CITYWALK 1



Multiple levels of garden

Public open space at G/F

CITYWALK 1





Green wall at 2/F, 3/F & 5/F

Multiple levels of garden





Landscape garden at 3/F

Multiple levels of garden



Terrace garden at 5/F

Multiple levels of garden



Skyrise greenery

Multiple levels of garden



Post construction works



Maintenance & Monitoring



Reporting

Maintenance

- guidelines
- manual
- flowchart
- schedule
- checklist

	1st month	2nd month	3rd month	4th month	5th month	6th month	7th month	8th month	9th month	10th month	11th month	12th month	Remarks
time(s) per month													
O&M manual Update			✓			✓			✓			✓	
Routine Inspection													
Hardwork													
- Metal structural frame (Painting & Oxidation)	1	1	1	1	1	1	1	1	1	1	1	2	
- Metal tray (cleaning, painting & Oxidation)	2	2	1										
- Control box (Lock, painting & Oxidation)	2	2	1										
- Drainage (Cleaning & Painting)	4	4	2										
- Irrigation system													
-Water inlet checking	4	4	4										
-Pumping system checking (Power & setting)	4	4	4										
-Timer control checking (Power & setting)	4	4	4										
-All Water pipe & valve checking													
- Moisture data for soil													
- Temperature data for green panel / aluminium cladding													
Softwork													
- Overall outlook													
-Take photo for same position per each plant	4	4	4										
- Fertilization			1										
- Pruning (Dead Branches)			1										
- Cropping			1										
- Cleaning	1		1										
- Replacement work of Dead/Dring Plants													
- Pest Checking	1		1										
- Weeding	1		1										



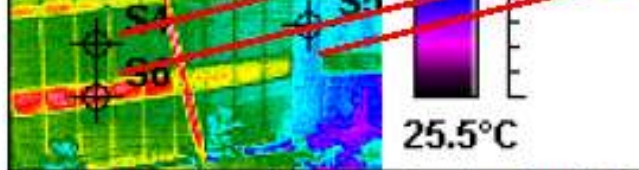


- inspection
- trimming
- pruning
- fertilization
- replacement
- cropping

Environmental Benefits

- lower heat gain
- reduce reflected solar radiation
- reduce ambient temperature
- air filtering
- noise abatement





Front elevation of vertical green wall

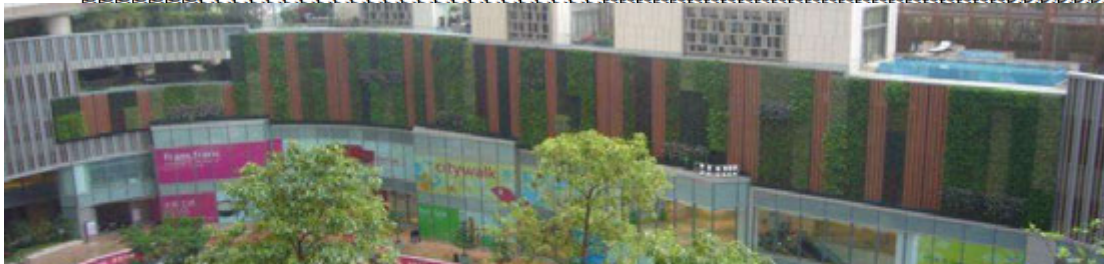
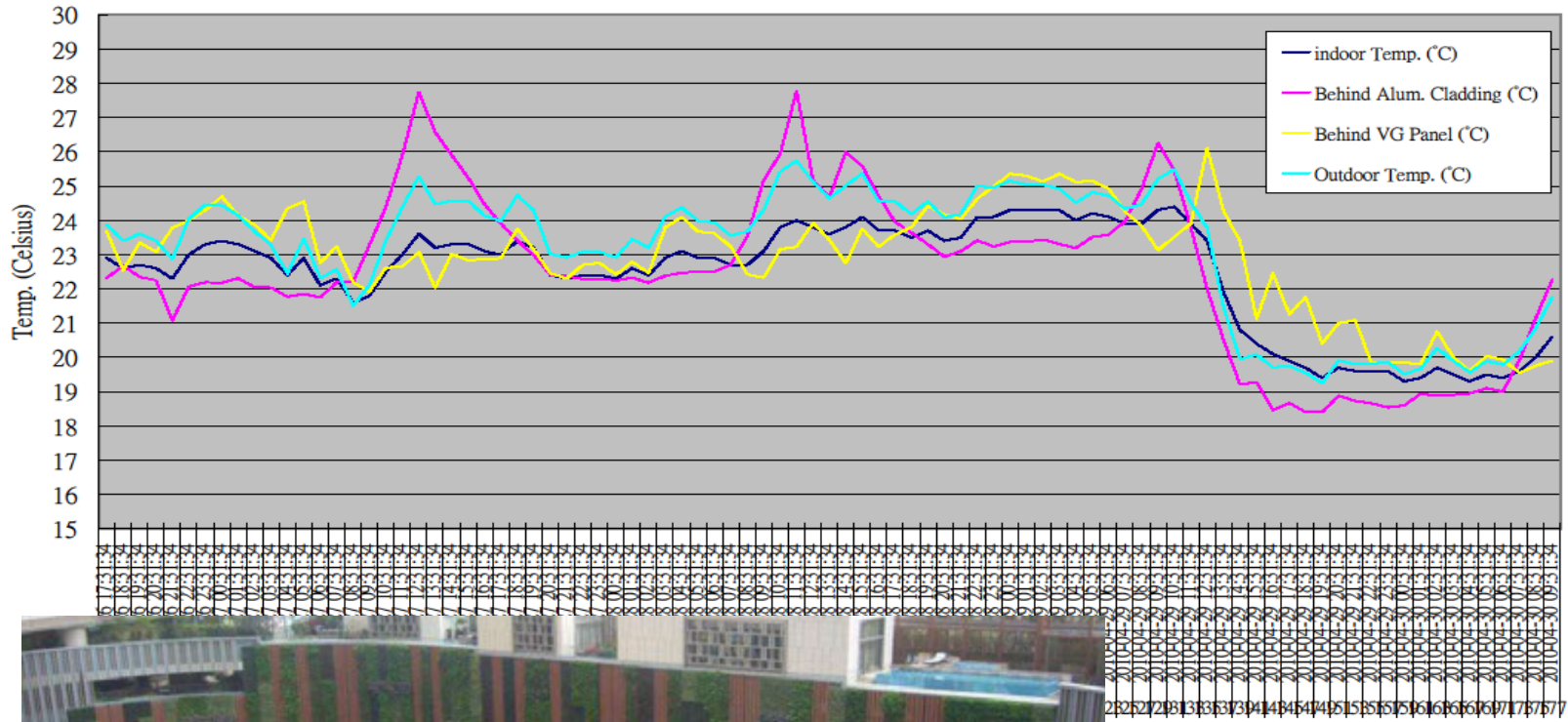
Thermographic Image 001 front elevation of vertical green system
 Colour graduation represents temperature from 25.5°C to 34.8°C

Object Parameter	Value
File Name	IMAGE001
Emissivity	0.98
Humidity	70%
Distance	20.0
Ambient	32.6°C
MaxTemp	38.3°C
MinTemp	25.5°C
Created Date	Thursday, August 30, 2007
Created Time	02:19:14 pm
Remark	Guide IRI Image File Version: 1.5

Object
Max
S1 (35)
S2 (Sil)
S3 (Ve)
S4 (12)
S5 (Sil)
S6(12+ panel)



Thermal Inspection Record - Vertical Green System at Vision City



Sustainability

2007



CITYWALK 1

2008



Sustainability

2009



2010

Sustainability

2011



2012

CITYWALK 1

an advocate for green initiative
a forum for learning

CITYWALK 1



Site visits, tours and forums



- professionals
- government officials
- builders / contractors
- green groups
- students
- building industries / institutions



Living walls help solve air quality problems. In a recent study, the management team at Green City in Hong Kong found that green walls can reduce air pollution by 10% to 15%.

That led them to design a living wall and building design for "Living Wall". This is a new concept of natural greenery with a mix of vertical and horizontal greenery. It is a new concept of greenery and building design. It is a new concept of greenery and building design.

The design of the living wall is a new concept of greenery and building design. It is a new concept of greenery and building design. It is a new concept of greenery and building design.

Living walls are a new concept of greenery and building design. It is a new concept of greenery and building design. It is a new concept of greenery and building design.

LIVING WALL

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The green living wall of Green City in Hong Kong covers 2,000 square meters and is a landscape for a green building.

2007-08-20 荃灣 Citywalk 商場 設 4 萬呎露天園林

【本報訊】位於荃灣的 Citywalk 商場，將於今年 10 月 15 日開幕。商場內設有 4 萬呎露天園林，為市民提供一個綠意盎然的購物環境。

荃灣 Citywalk 商場，位於荃灣市中心，佔地 10 萬呎，是荃灣最大的購物中心。商場內設有 4 萬呎露天園林，為市民提供一個綠意盎然的購物環境。

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主動出擊 平地區發展

【本報訊】政府正積極推行「主動出擊」計劃，以促進平地區的發展。該計劃包括興建廉價房屋、改善交通設施及提供就業培訓等。

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CITYWALK 2

Completed: 7 / 2009

- Indoor environment
- improved irrigation
- enhanced planting

Indoor application



Improved irrigation

Enhanced planting

Enhanced planting

CITYWALK 2



Thank you

