

RACHEL CHOW
Director

Kwai Chung Hospital

A Green Healing Village

WCDH 2026, Kuching – Sarawak
30th September 2026

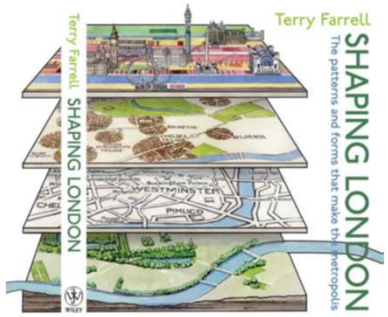
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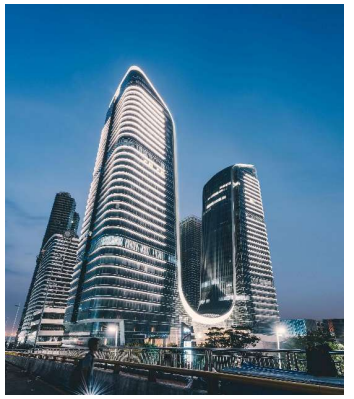




Transforming cities and championing people-centric architecture

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THE FARRELL REVIEW
of Architecture + the Built Environment

Sustainable Urban Models · Density and Public Space · Public Realm Design Guidelines · TOD Land Economics & Masterplanning · Placemaking and Community

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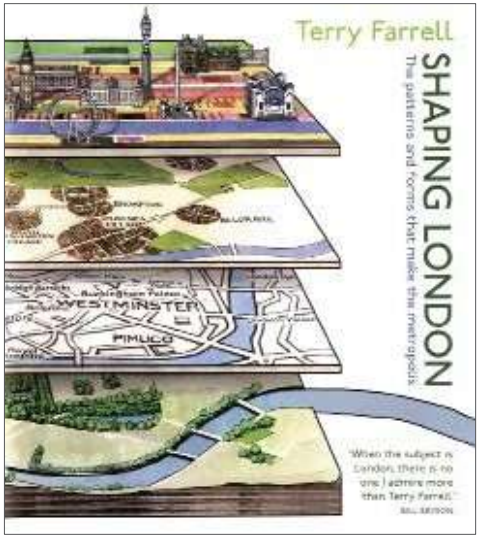
Advocacy and Visioning

Changing the way we think about our Cities

For over fifty-seven years, Farrells has championed place-making, the public realm and world-class masterplanning, leading to the government commissioned Farrell Review of architecture. Our unique collaborative design process results in places where landscape is the first infrastructure. We are acknowledged as the country's leading architect planners, implementing truly mixed-use environments with high quality public realm, always creating memorable places that people want to live, work and play in.

Farrells has unique and global experience in the delivery of major masterplan projects. From Royal Albert Dock – the UK's first integrated business development zone – to the ongoing delivery of West Kowloon masterplan and our contributions to London's growing demand for high quality places – including Regents Place for British Land, Greenwich Peninsula and Earls Court. We are developing the 'single largest opportunity area' in Manchester which will transform its Northern Gateway. At Old Oak Common, we were the first to highlight the extraordinary potential of this intersection of HS2 and Crossrail, now a Mayoral Development Corporation planning to deliver 25,500 homes and 65,000 jobs around an integrated transport hub.

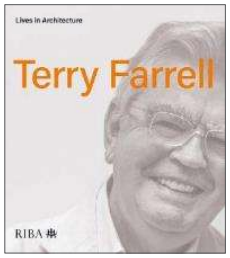
Renowned for contextually sensitive and distinctive architecture. we pro-actively encourage open and transparent communication with internal and external stakeholders, and meaningfully engage at every stage of the process. Our designs are flexible enough to adapt over time through economic and political cycles, and always provide a coherent and robust framework.

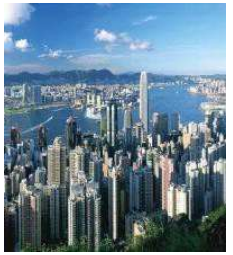


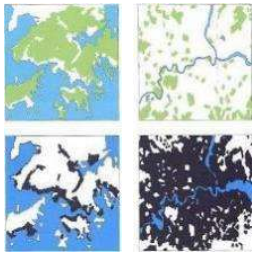


Over 60 years in Europe, Asia, America, Australia and Africa

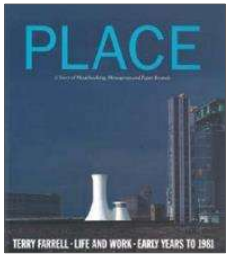
Headquarter offices in London, Hong Kong and Shanghai

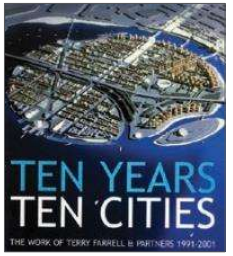


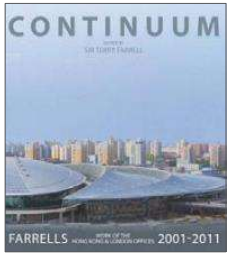


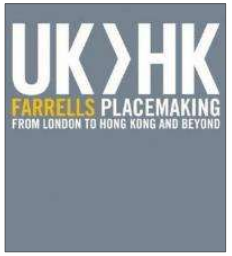




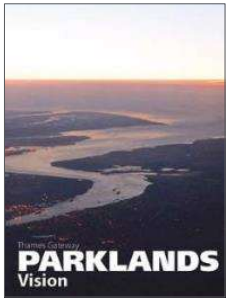


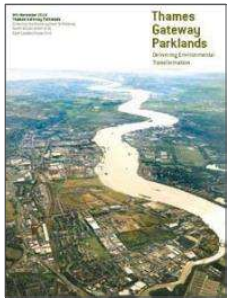


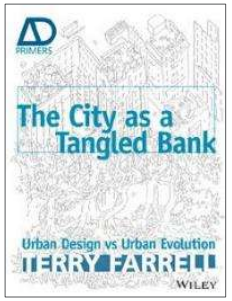






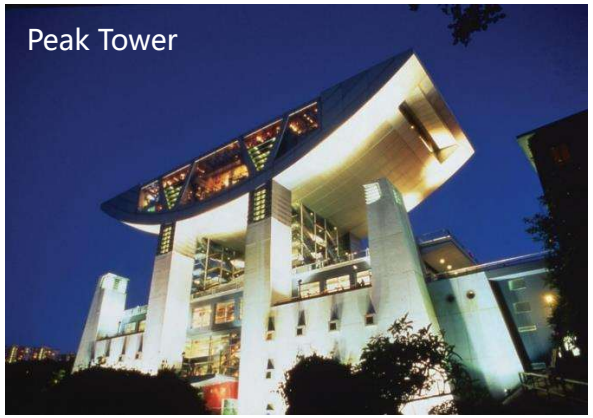




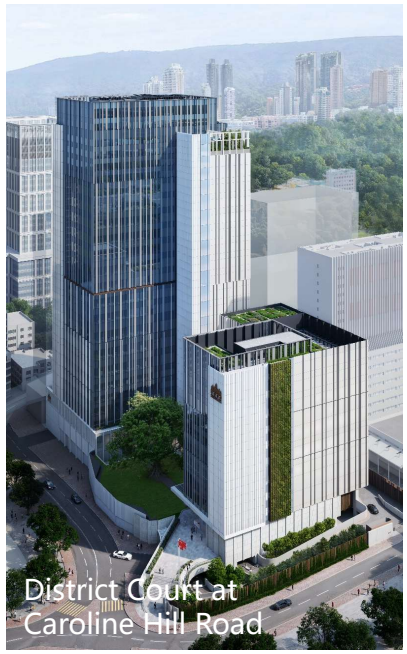


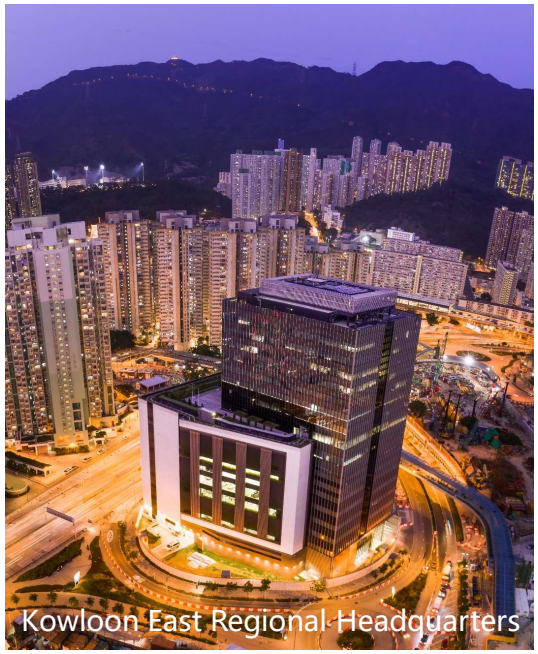
Government & Public Buildings

















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Kwai Chung Hospital Redevelopment

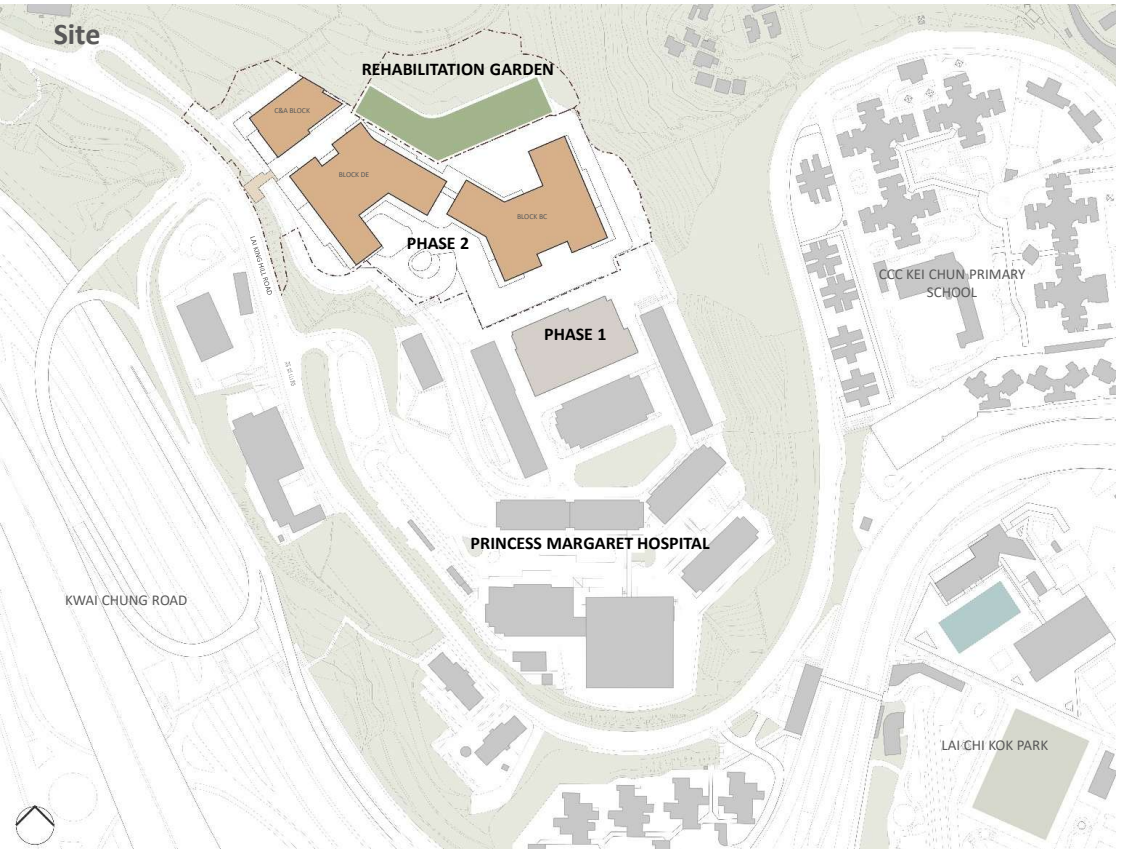
- First **Multi-storey Hybrid Mental Healthcare Hub** in Hong Kong
- A **therapeutic** campus that is conducive to patients' **rehabilitation, recovery and re-integration** into the community while providing **1000 bed spaces** for inpatient service.

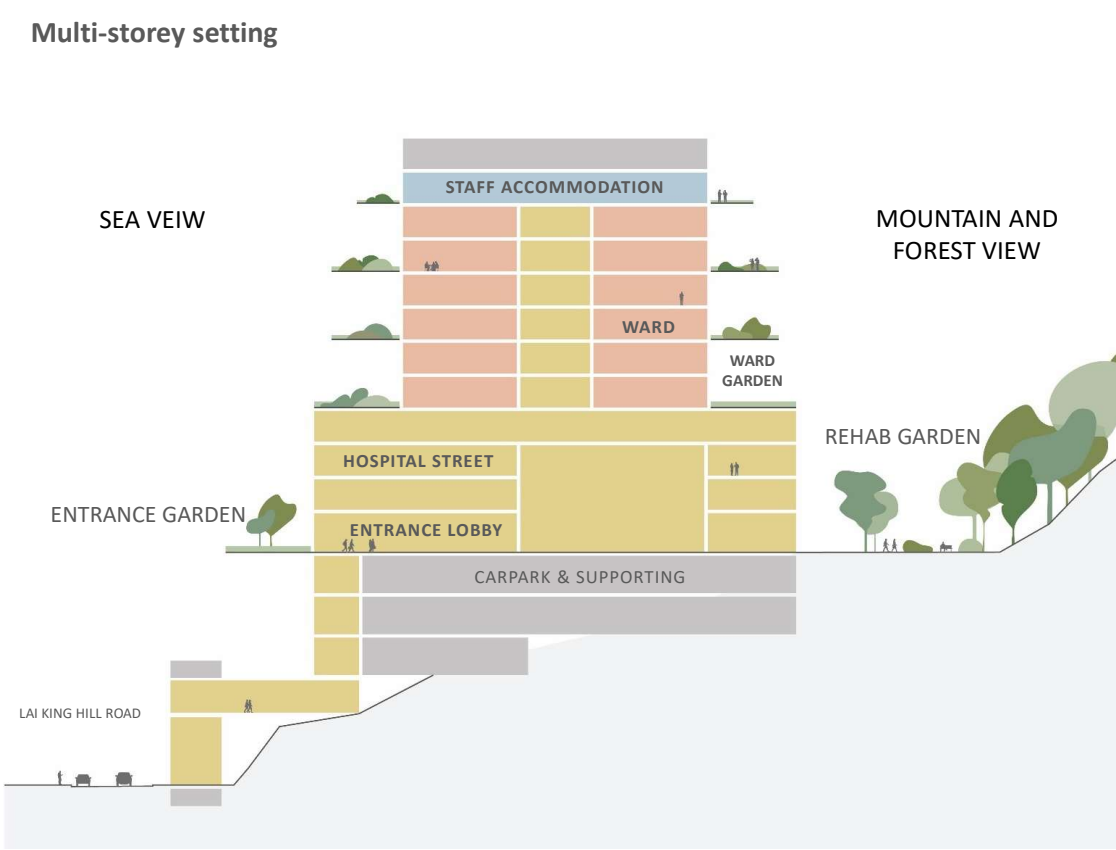
Location	3-15 Kwai Chung Hospital Road, Kwai Chung, Hong Kong S.A.R
Site area	~48,000 m²
CFA	~134,000 m²
Floors	11 storeys above & 3 storeys below ground
Beds	1,000
Operate by	Hospital Authority
Project Manager	Architectural Services Department, HKSAR
Architect	FARRELLS



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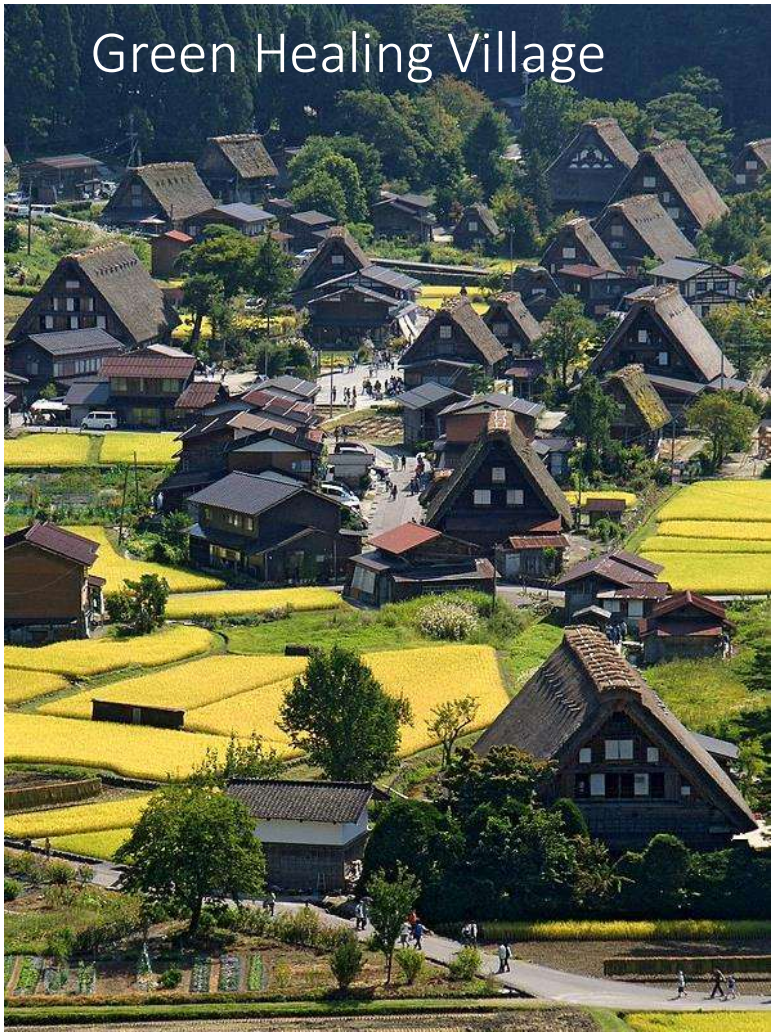
Context





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Design Inspiration





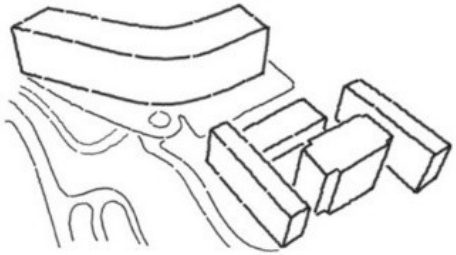




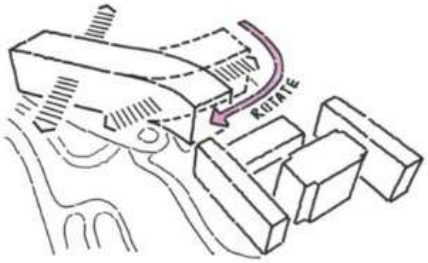


A Vertical Healing Village

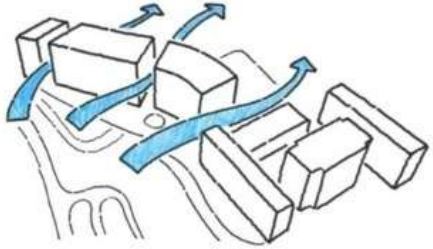




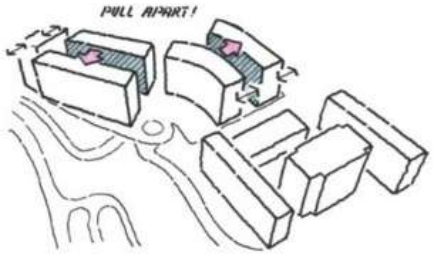
One Building?



Optimise Views Aspects



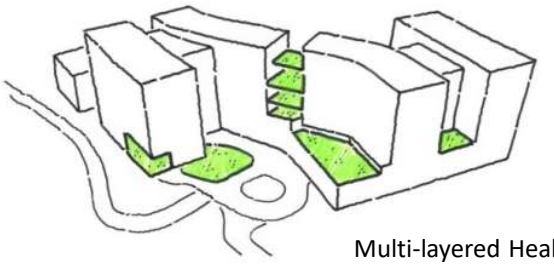
Permeable Massing



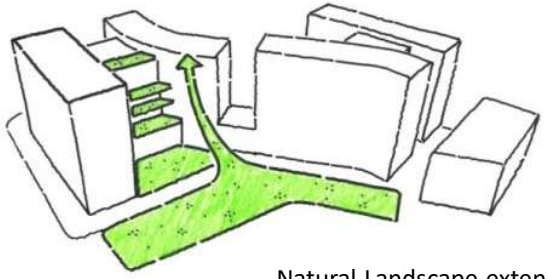
Appropriate Building Depth to maximise Daylight

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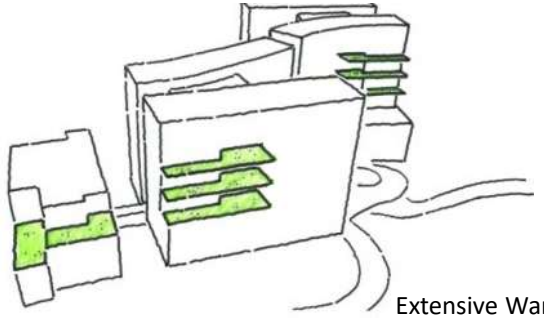
Let Nature Heal



Multi-layered Healing Gardens



Natural Landscape extends upward



Extensive Ward Gardens

A Journey to Recovery…
“Healing in nature with Heart”

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Breathing with Nature

Blending, Synchronization and Harmonizing
An Intimate Connection with nature
Let Nature Heal and Breathe New Life Into You



Design Aspiration

To re-introduce the physical and psychological benefits of nature in a loving, safe, and home-like environment

Layers of Landscapes

1	**Arrival Garden**	A welcoming drop-off
2	**Visual Garden**	Green surrounding
3	**Rejuvenate Garden**	for social integration
4	**Ward Garden**	Tactile Biophilic Nature
5	**Landscaped Flat Roof**	For staff wellbeing
6	**Rehabilitation Garden**	In Future Development

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Home with Love & Care

C&A Integrated Clinic

Psychogeriatric/Adult Out-patient, OT, Physiotherapy

Child & Adolescent Block

Main Block

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Neutral Colours



Playful façade Inspired by Colour Toy Blocks



Home-like windows



Private Terrace

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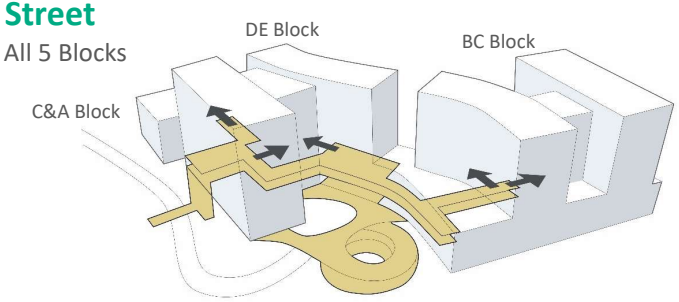
A Living Network – Fluid circulation

Spacious drop off area easily connected to the lobby provide good access for visitors of KCH. A separate entrance for Child & Adolescent Block ensure privacy and security for patient of different need.

Hospital Street Clear and consistent circulation for public

Hospital Street

Connecting All 5 Blocks





Arrival Garden

A welcoming drop-off area for visitors

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Caring Treatment Environment

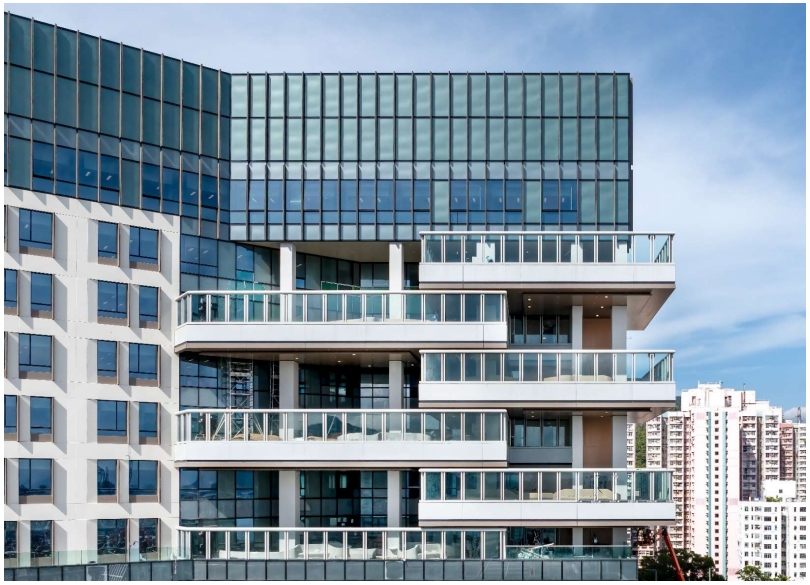
Relaxed and fun environment in **Child & Adolescent Block** creates therapeutic healing journey



Basketball Court - Safe and comfortable Recreational Space



Home-like Approach







In-patient wards are layout with spatial hierarchy like a home, from front door, living space then bedrooms.

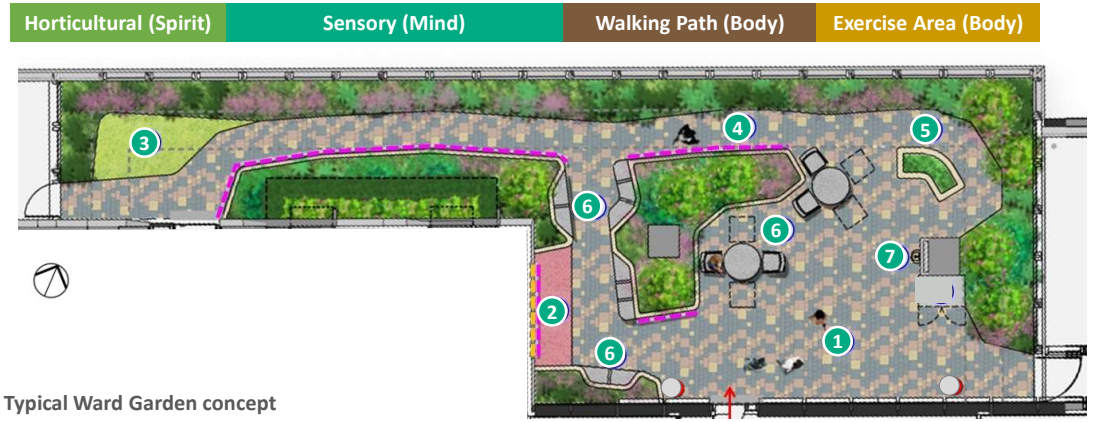




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Therapeutic Ward Gardens

Garden design balances sensory stimulation with occupant safety. Colorful, tactile planting connects patients with nature, while continuous, easily supervised paths safely encourage physical movement and independent exploration.

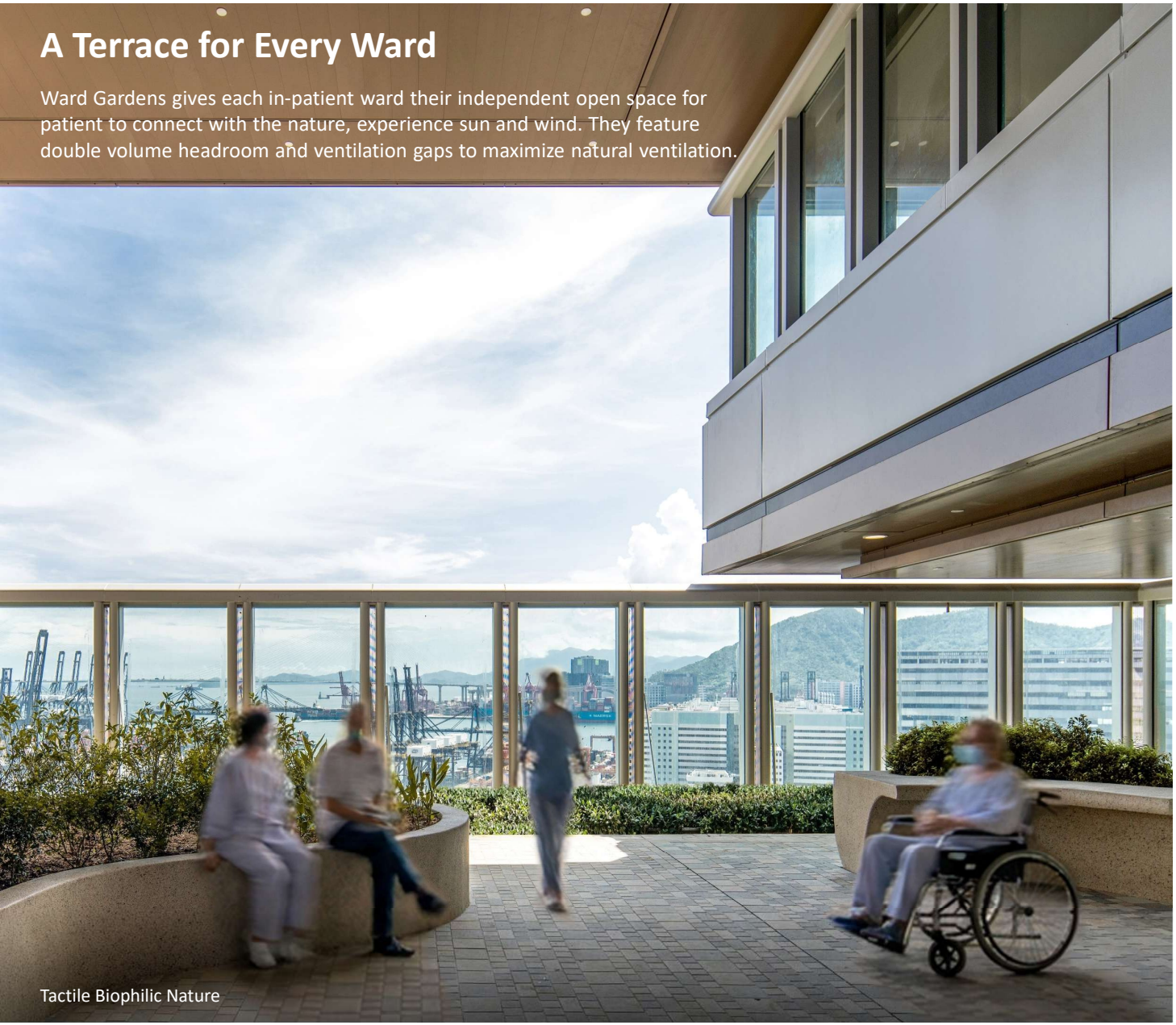


Typical Ward Garden concept



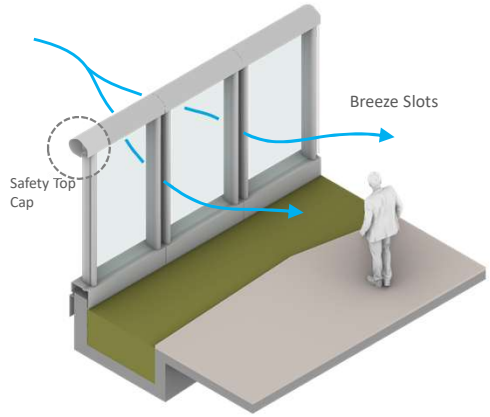
A Terrace for Every Ward

Ward Gardens gives each in-patient ward their independent open space for patient to connect with the nature, experience sun and wind. They feature double volume headroom and ventilation gaps to maximize natural ventilation.

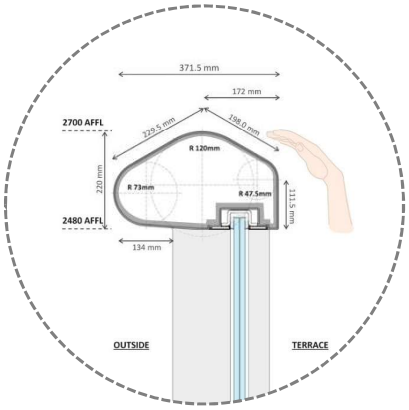


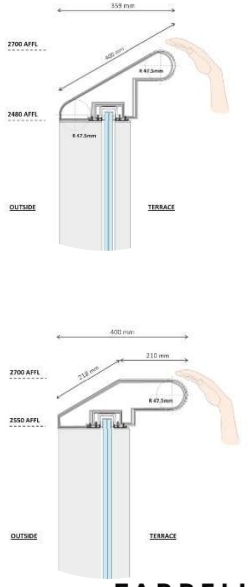
Tactile Biophilic Nature

Permeable Sky Edge



Design Iterations of Anti-Climb and Anti-Grasp Low Maintenance Balustrade





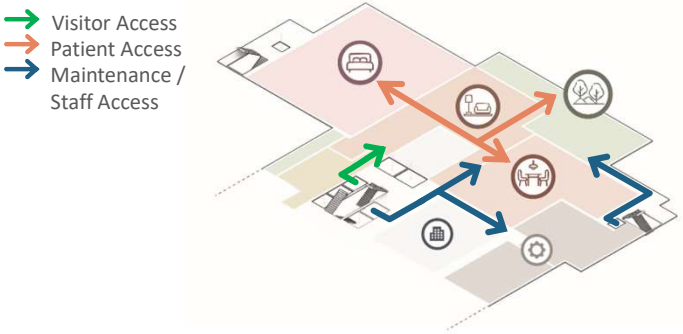
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Safe and Private

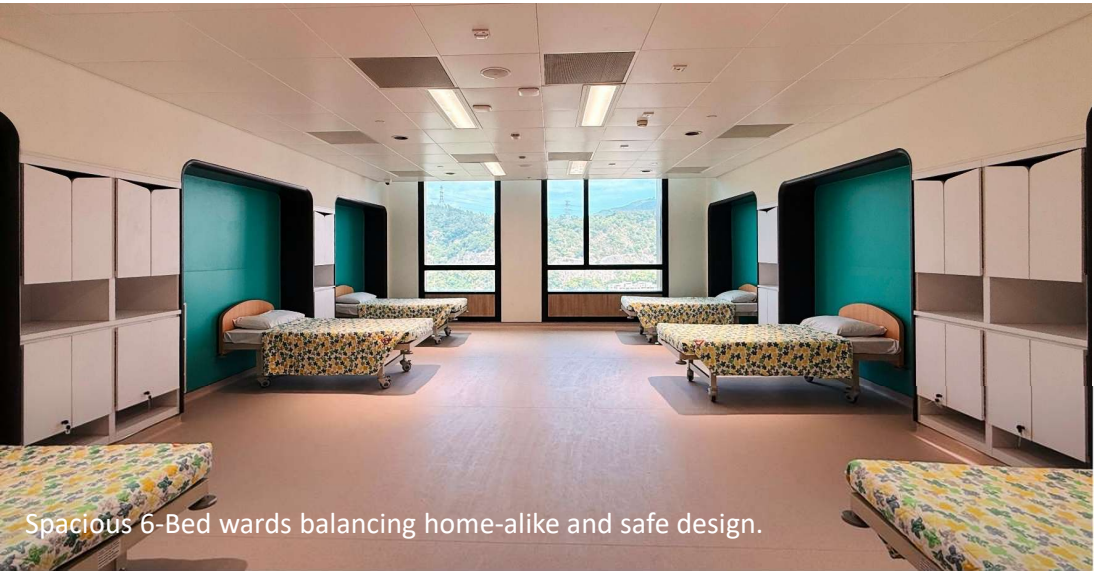
Patient-Centric Design

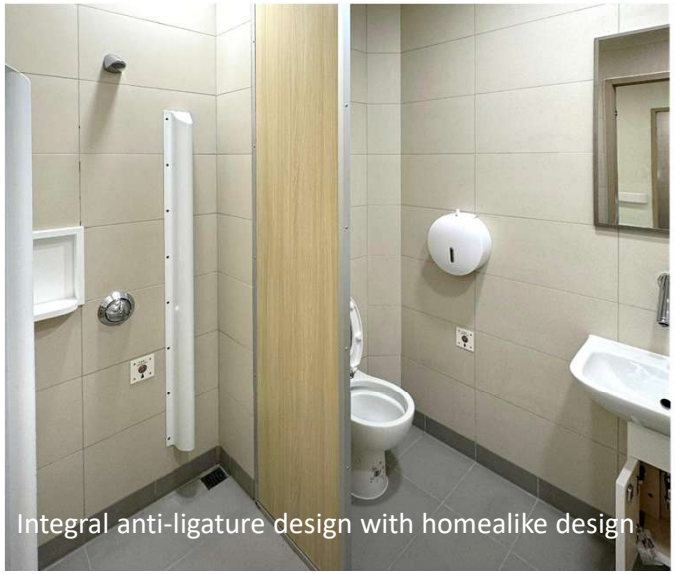
Integrated **unique anti-ligature design** for patient safety without sense of institution

Zoning and circulation design that enhances patient privacy, meanwhile allow staff to safety maintain.




Warm and comfortable clinical areas


Spacious 6-Bed wards balancing home-alike and safe design.

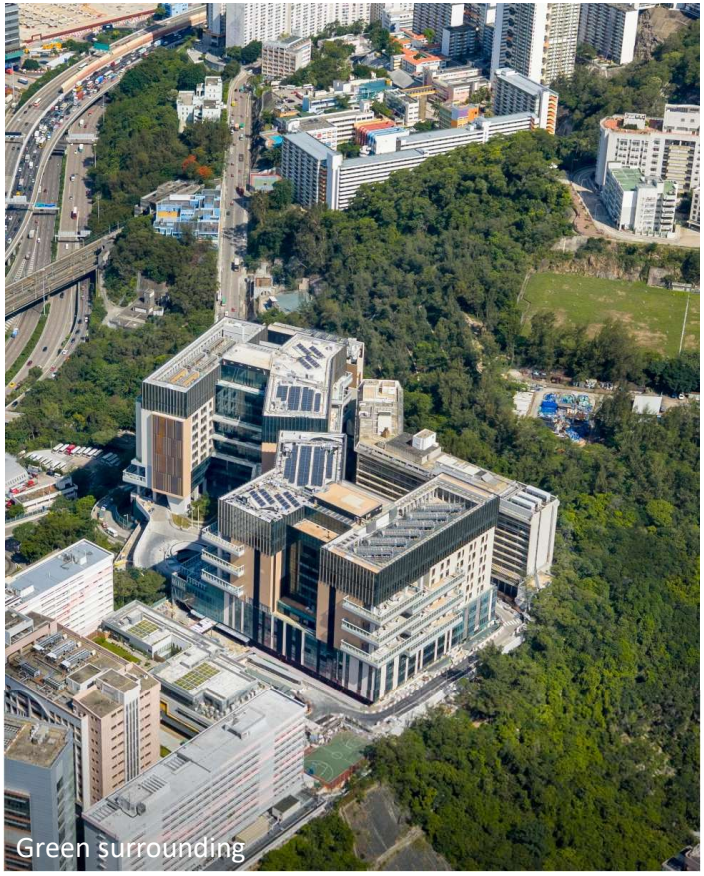

Integral anti-ligature design with homealike design



Biophilic Design - Architectural

Bring Nature In

Introduce the surrounding nature through the main circulation, ward gardens and windows, allow patient, visitors and staffs to live or work in a comfortable atmosphere



Green surrounding



Ward Garden - Reachable Greenery



Daylight as Wayfinding – Hospital Street

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Biophilic Design - Interior

Icon of Heartfelt Care

- A heartfelt caring relationship between the patients and the hospital
- Relaxed homely environments for patients
- Heart graphic will be the basis of the graphics elements of the ward identification visual system
- Strengthening of community-based psychiatric care







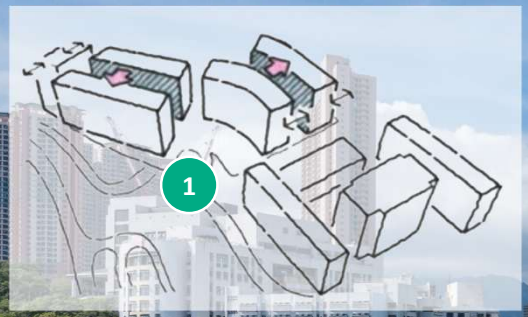




Biophilic Design is echoed graphically by using leaf silhouettes of household plants

Integrated Passive Sustainable Design from Concept Stage

The Kwai Chung Hospital was designed from ground up to enhance energy efficiency by strategic window placements and a variety of solar shading device and building mass planning to control solar heat gain & glare issues.



葵涌醫院
KWAI CHUNG HOSPITAL

2

3

4

5

1. H-shaped layout

Reduce the depth of the building core, aligning habitable areas along the perimeter to enhance natural daylight access. Building form also self-shading, balancing daylight harvesting with reduced heat gain

2. Vertical Ward Gardens

Double Volume with **permeable** safety Balcony Balustrade, designed to allow air ventilation and controlled exposure to sunlight.

3. Horizontal Shading

through Ward Gardens creates **over 8% Reduction** of solar irradiation

4. Optimize window-wall ratio

Achieve **OTTV of 9.51 W/m²** by high performance glazing and window wall ratio (>50% reduction)

5. Solar shading devices

Reduce heat gain, indoor glare and improve indoor comfort

PROVISIONAL PLATINUM NB V2.0 2022 HKGBC BEAM Plus

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Kwai Chung Hospital

A Green Healing Village



Communicate closely with client and operator

Biophilic Design

- Maximize open-air landscape opportunity
- Introduce breeze and sunlight
- Balance between openness and privacy

Non-institutional design

- Home-like and Street-like environment
- Sense of care
- Bespoke anti-ligature design

Architectural Approach

- Human scale
- Selection of material & colour palette

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Thank You



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