

design OVERVIEW

設計概述

Multi-purpose Sports Complex

at Kai Tak Development

啓德體育園區

6 Jan. 2014



建築署

Architectural Services Department



Master Planning

總體規劃

Northern Sector (north of Road D2)

(A) Public Sports Ground oriented along N-S axis
N-S axis

(B) Indoor Sports Centre

(C) Open Space

北面區域

(A) 南北座向的公眾運動場

(B) 室內體育館

(C) 休憩空間

Southern Sector (south of Road D2)

(D) Main Stadium oriented along N-S axis

(E) Office/ Commercial Tower

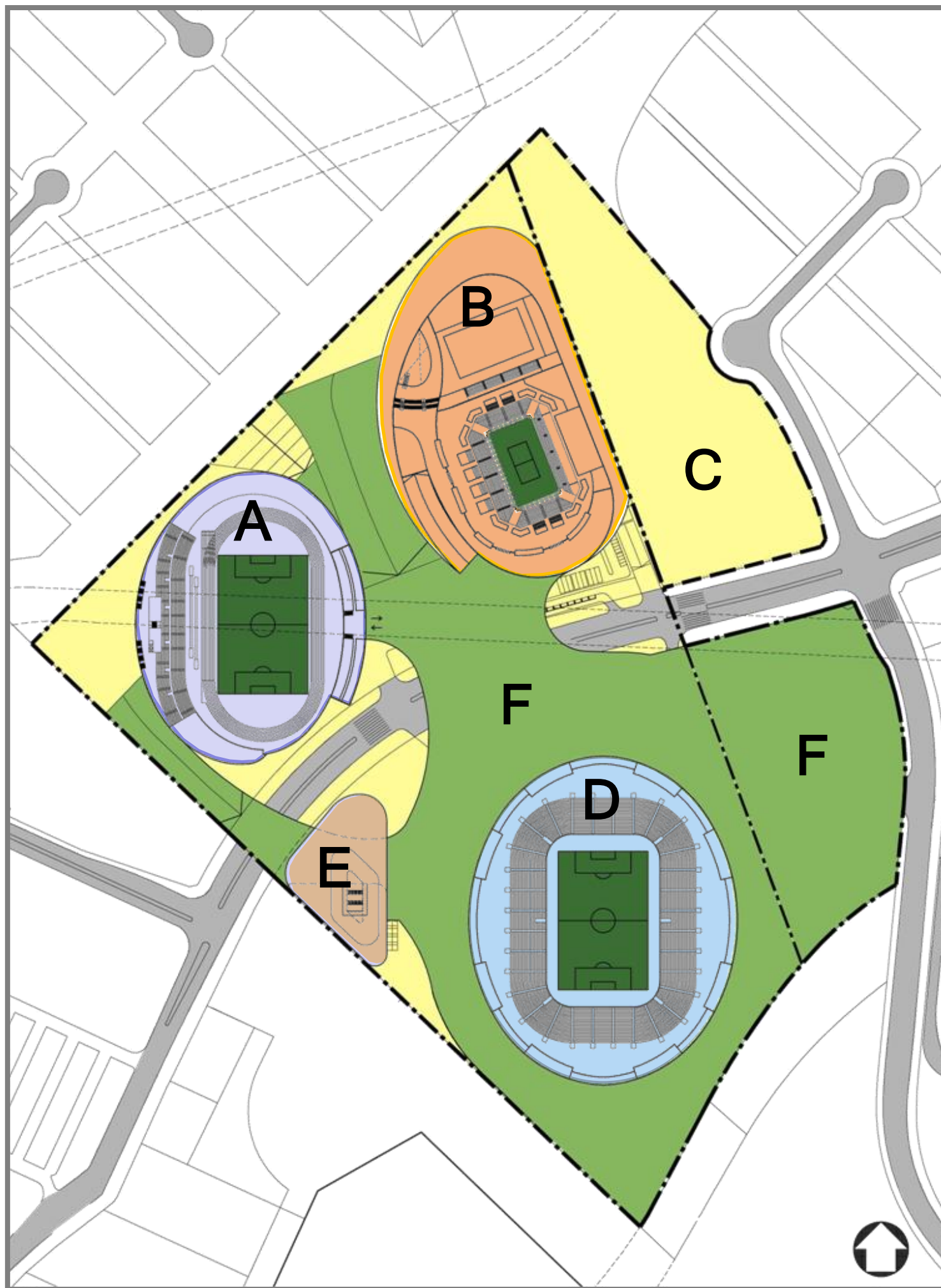
(F) Landscaped Deck

南面區域

(D) 南北座向的主場館

(E) 辦公/商業大樓

(F) 園景平台



Multi-purpose Sports Complex

at Kai Tak Development

Connectivity 連接性

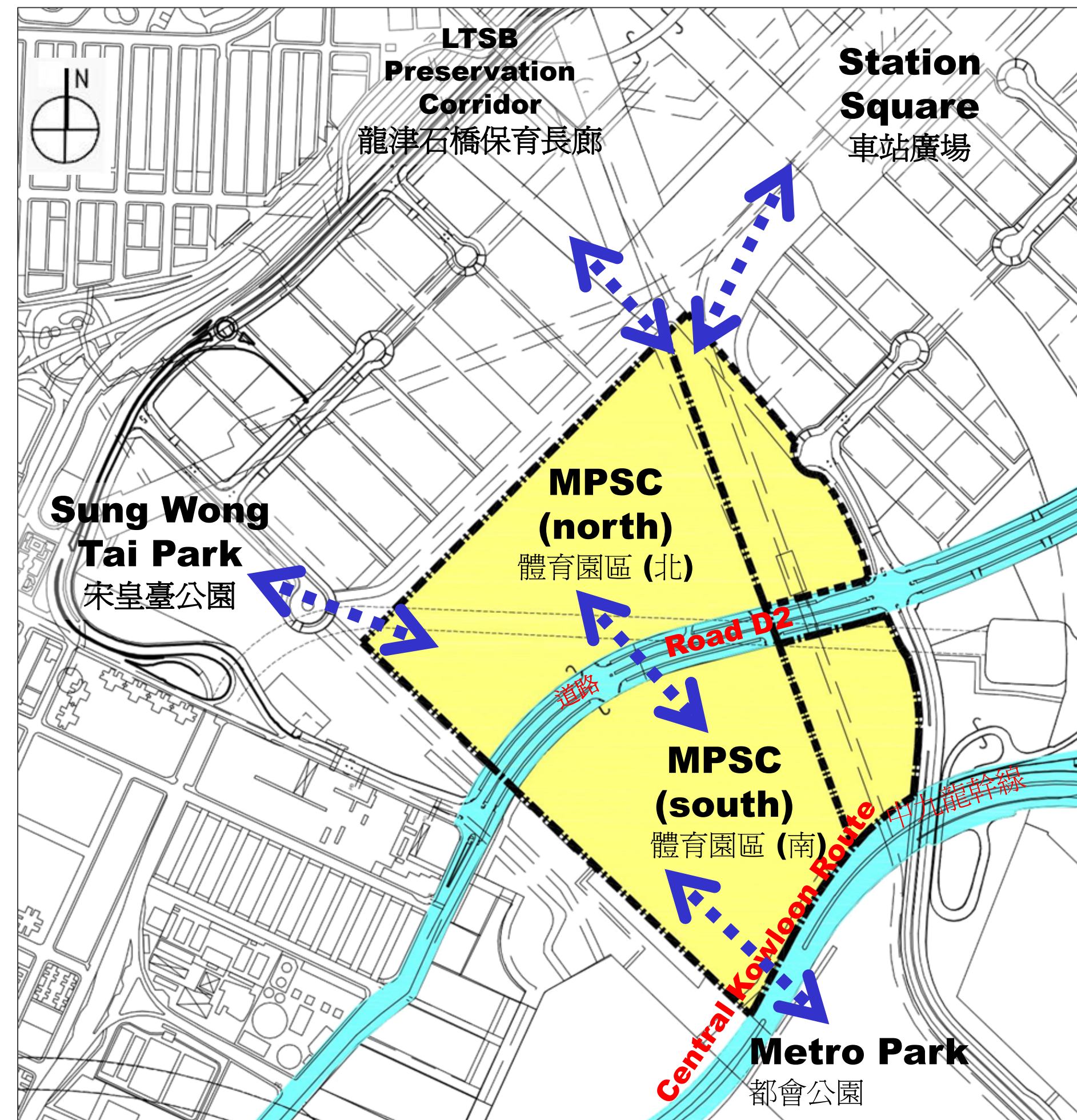
- MPSC dissected by Road D2 in middle and bound by Central Kowloon Route in south

體育園區被道路D2從中一分為二, 南邊亦緊貼中九龍幹線

- Connections between
 - i) north and south portions of site
 - ii) MPSC and adjacent development to support the on-going activities in MPSC and to enhance the vibrancy of the area

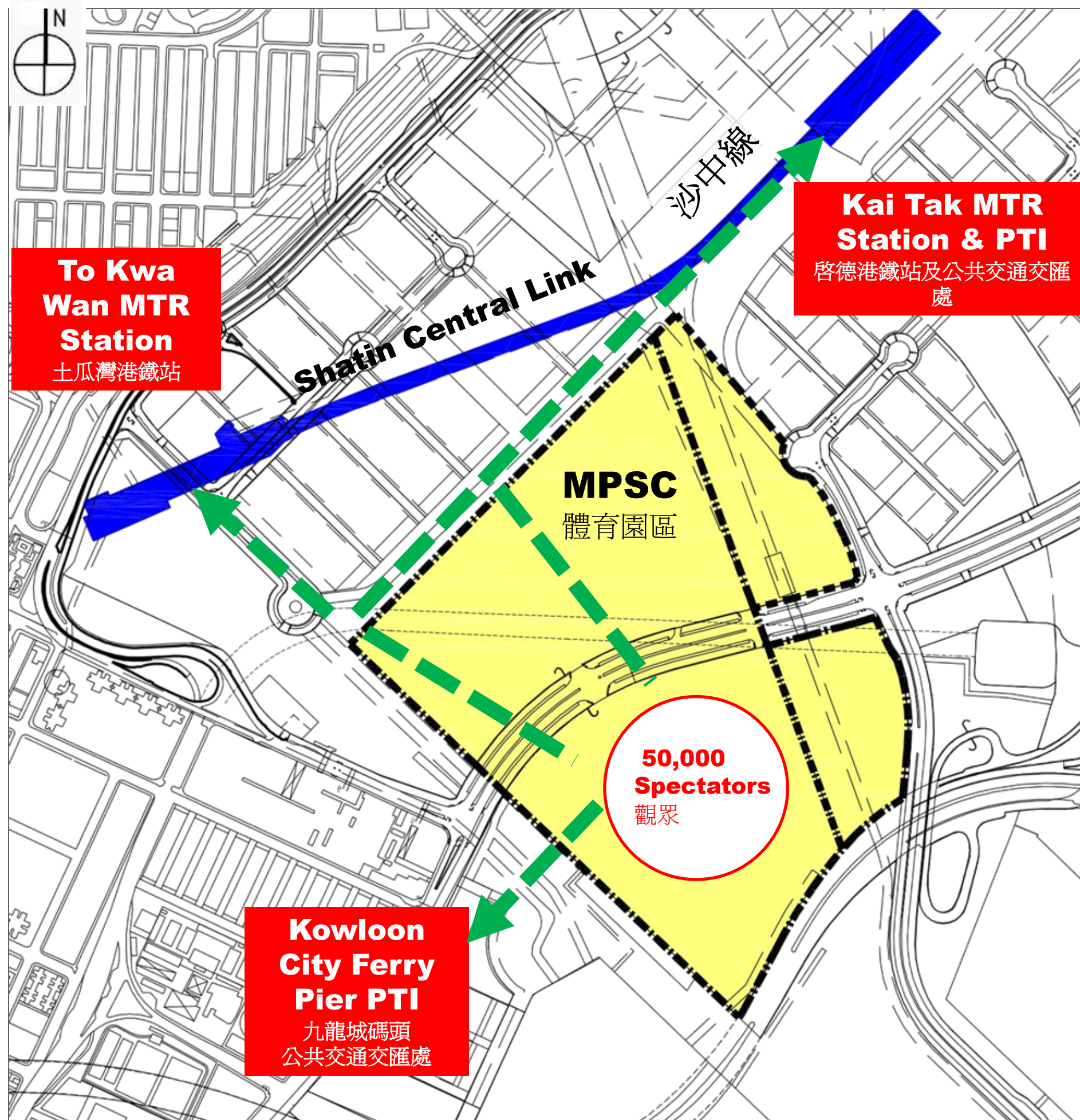
園區設計將要聯繫

- i) 園區南北兩部份
 - ii) 園區與周邊發展
- 以支持園區內的各類活動,從而提升園區內之活力



Multi-purpose Sports Complex

at Kai Tak Development



Accessibility

易達性

- Link up MPSC and the adjacent public transport facilities by an integrated pedestrian network

將會提供完善行人網絡連接體育場館與附近公共交通設施



Multi-purpose Sports Complex

at Kai Tak Development

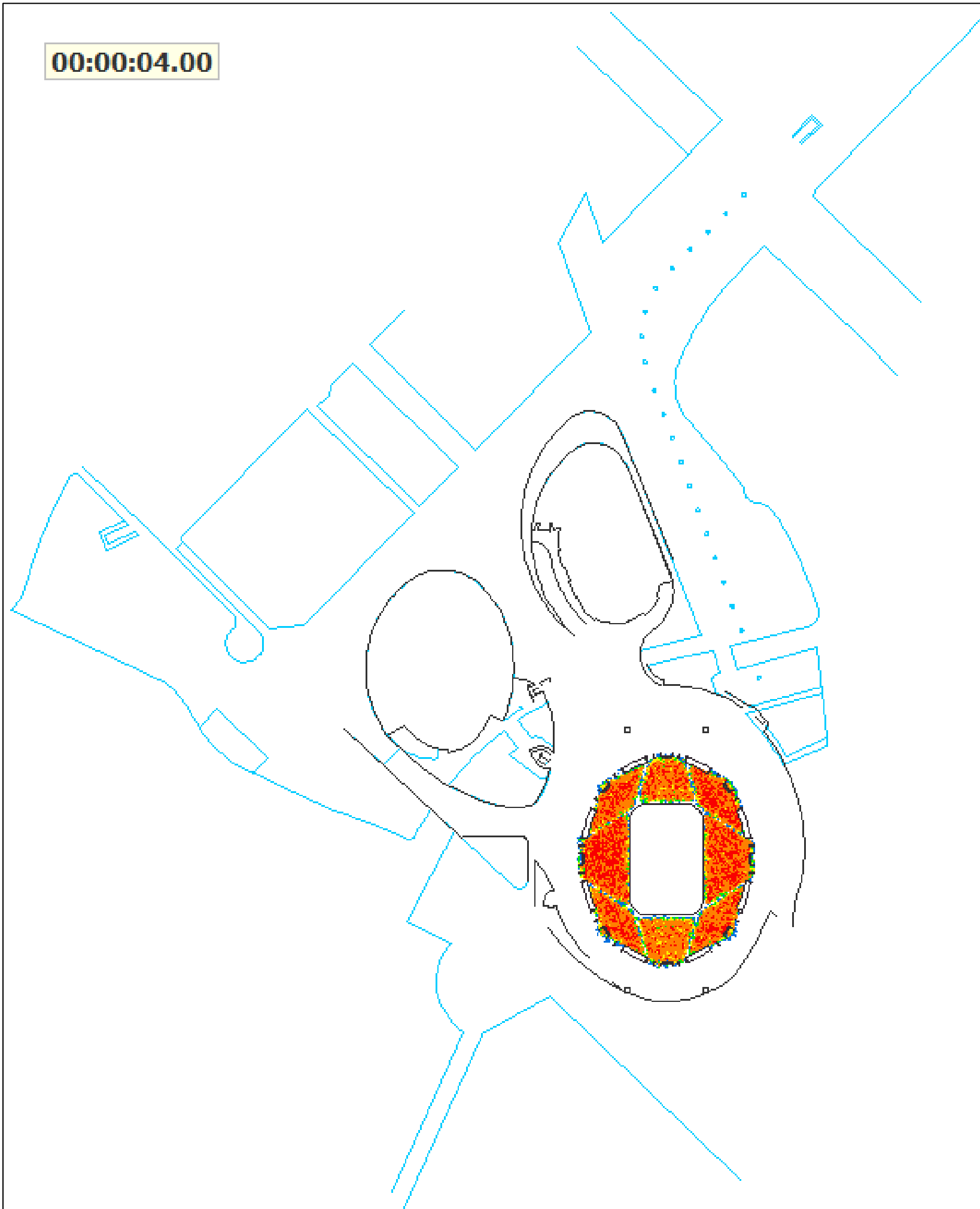
Crowd Dispersal

疏散羣眾

- External areas within the complex shall be designed to provide safe, direct & fast crowd dispersal routes to discharge 50,000 spectators after full house events

主場館預計容納 50,000人，園內外圍之規劃將會提供安全，直接及快捷路徑疏散羣眾

00:00:04.00



LOS	Colour Code
A	Blue
B	Cyan
C	Green
D	Yellow
E	Orange
F	Red



Multi-purpose Sports Complex

at Kai Tak Development

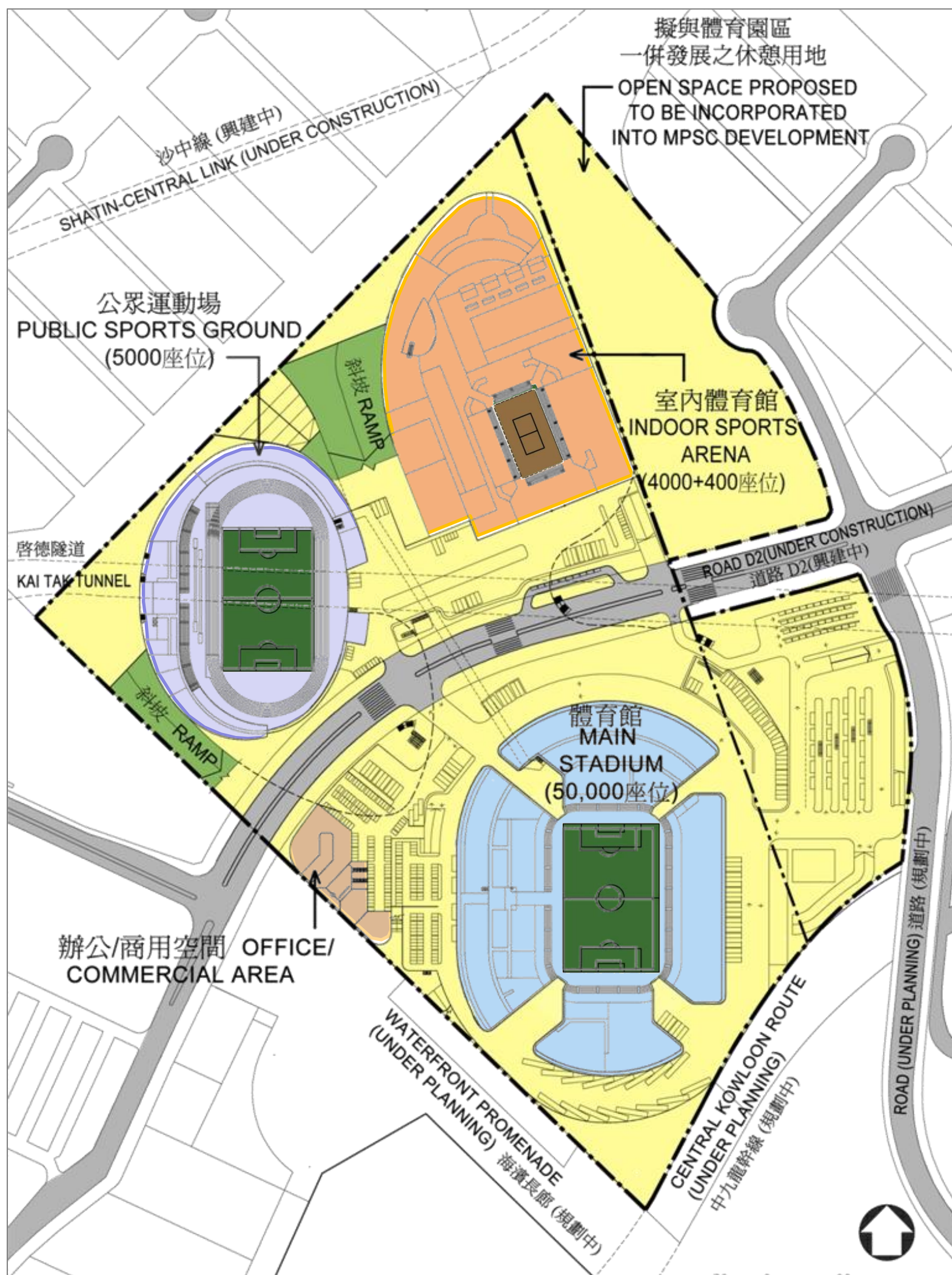
Conceptual Plan

概念平面圖

Common Areas at Ground Level (+5mPD)

地面公用地方(+5mPD)

- Ramp up to podium at +13mPD
斜道往平台
- Taxi stand
的士站
- Coach drop-off/pick up
旅遊巴士上落區
- VIP/athlete/staff entry (Main Stadium)
主場館之貴賓,運動員及職員通道
- Media/VIP carparking
媒體及貴賓停車場
- Emergency/ police carparking
緊急/警察停車場
- Loading/ unloading bays
裝卸區
- Services areas, plant rooms
服務區域, 機房



Multi-purpose Sports Complex

at Kai Tak Development

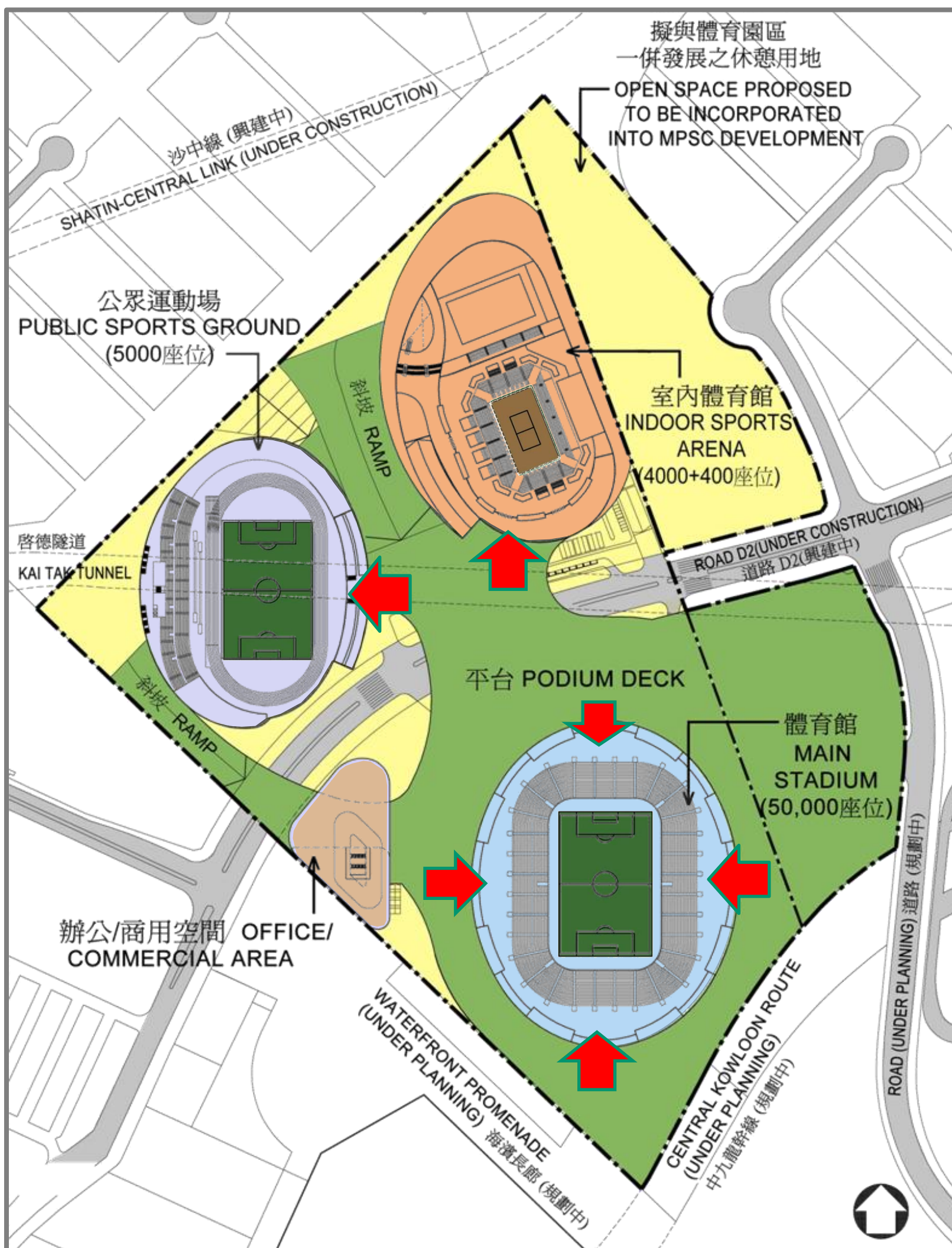
Conceptual Plan

概念平面圖

Common areas at Podium Level (+13mPD)

平台公用地方(+13mPD)

- Landscaped deck
園景平台
- Venue entrances/exits for public
會場公眾出入口
- Outdoor sitting
室外休憩區
- Kiosks for ticketing, snacks, souvenirs
售賣門票, 小食及紀念品的小亭



Multi-purpose Sports Complex

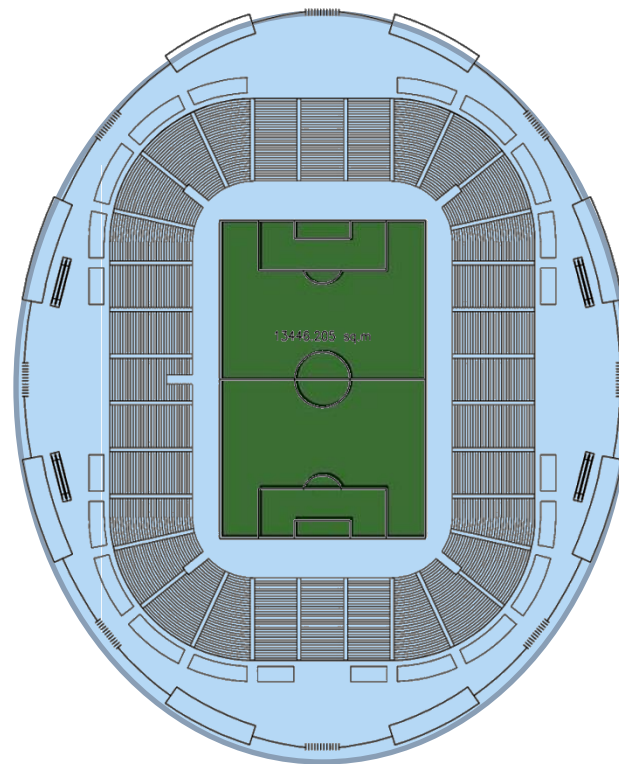
at Kai Tak Development

Conceptual Plan 概念平面圖

Main Stadium at +13mPD

主場館 (+13mPD)

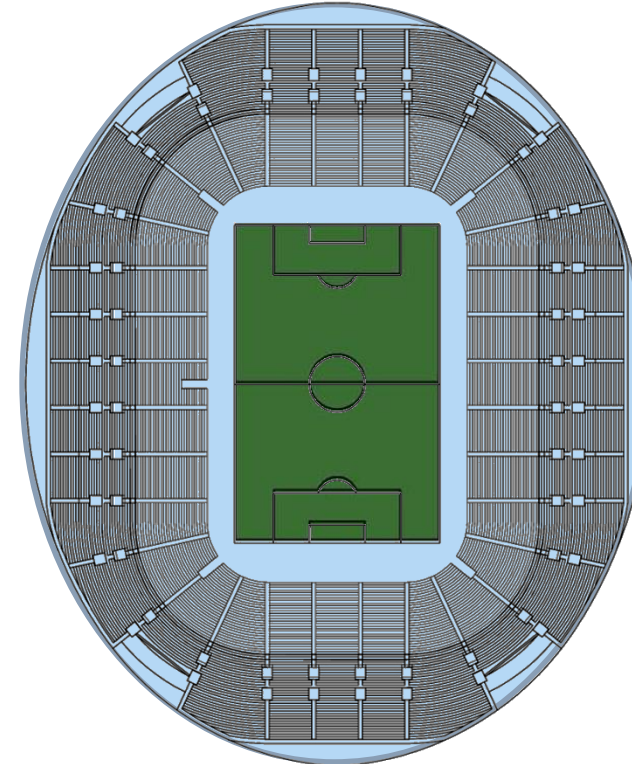
- Lower tier spectator seats
下層觀眾席
- Shops, Ticketing
商店, 售票處
- Toilets
洗手間
- Public entrance/exits
公眾出入口



Main Stadium at +42.46mPD

主場館 (+42.46mPD)

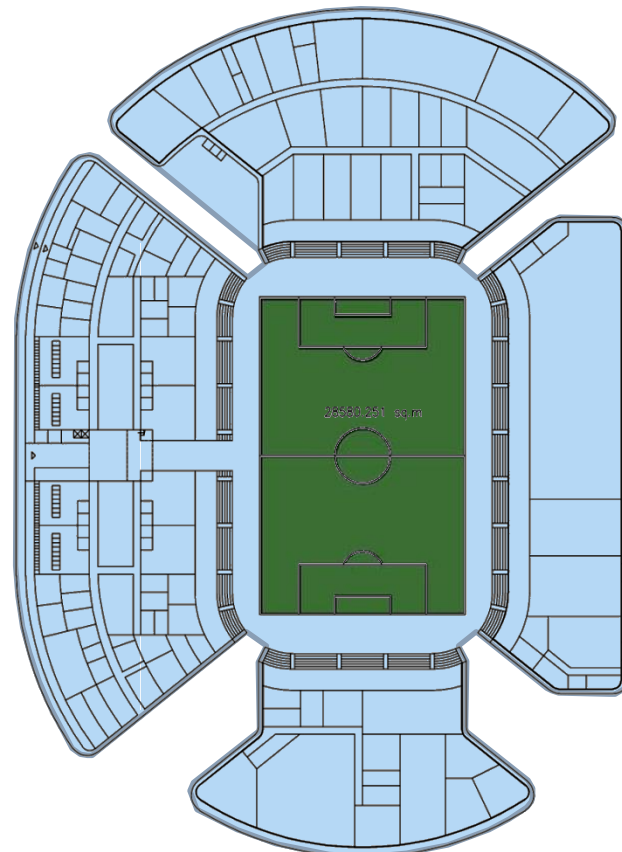
- Top tier spectator seats
頂層觀眾席



Main Stadium at +5mPD

主場館 (+5mPD)

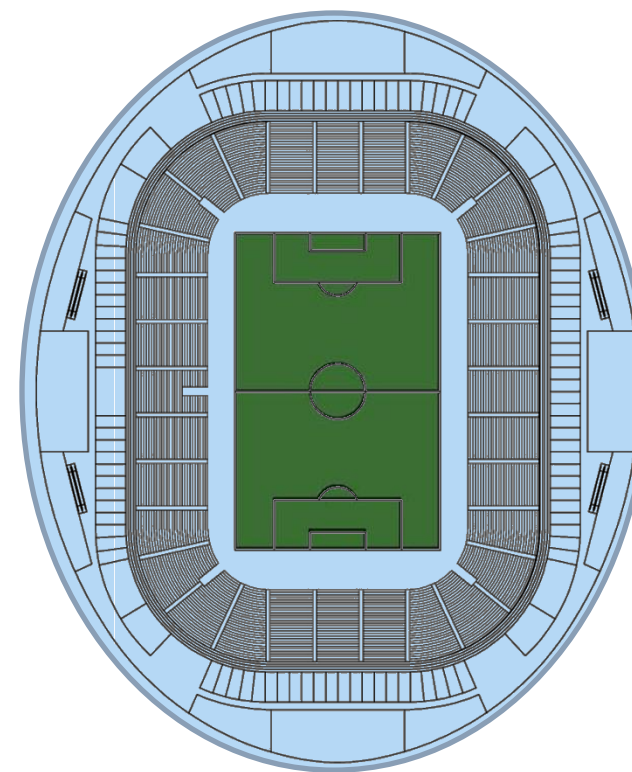
- Pitch
球場
- Changing rooms
更衣室
- Media Centre
傳媒中心
- Management Offices
管理處
- Security Centre
保安中心



Main Stadium at +19mPD

主場館 (+19mPD)

- Upper tier spectator seats
上層觀眾席
- VIP booths
貴賓包廂
- TV/Radio Commentator's Boxes
電視及電台評述員包廂



Multi-purpose Sports Complex

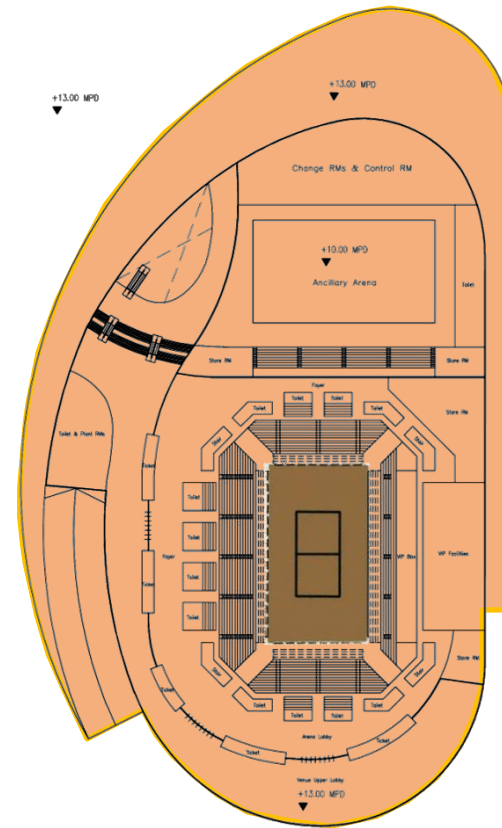
at Kai Tak Development

Conceptual Plans 概念平面圖

Indoor Sports Centre at +13mPD

室內體育館 (+13mPD)

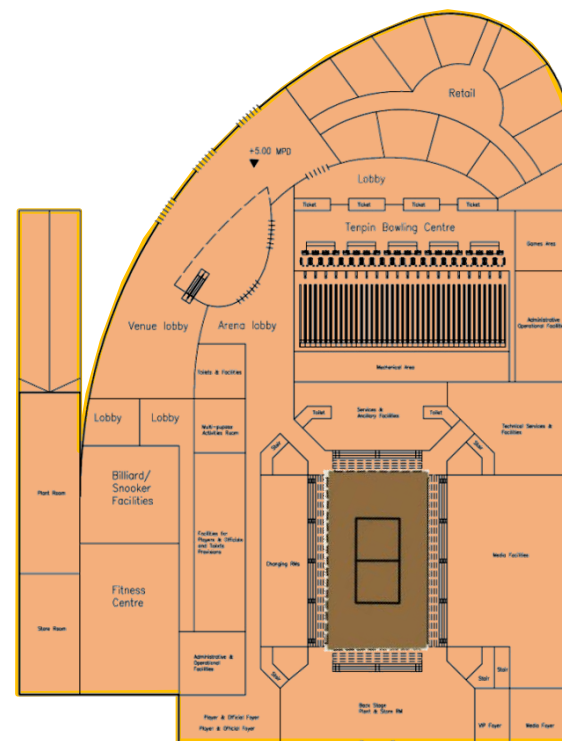
- Ancillary arena
輔助場館
- Upper tier spectator seats
上層觀眾席
- VIP Booths
貴賓包廂
- Shops, Ticketing
商店, 售票處



Indoor Sports Centre at +5mPD

室內體育館 (+5mPD)

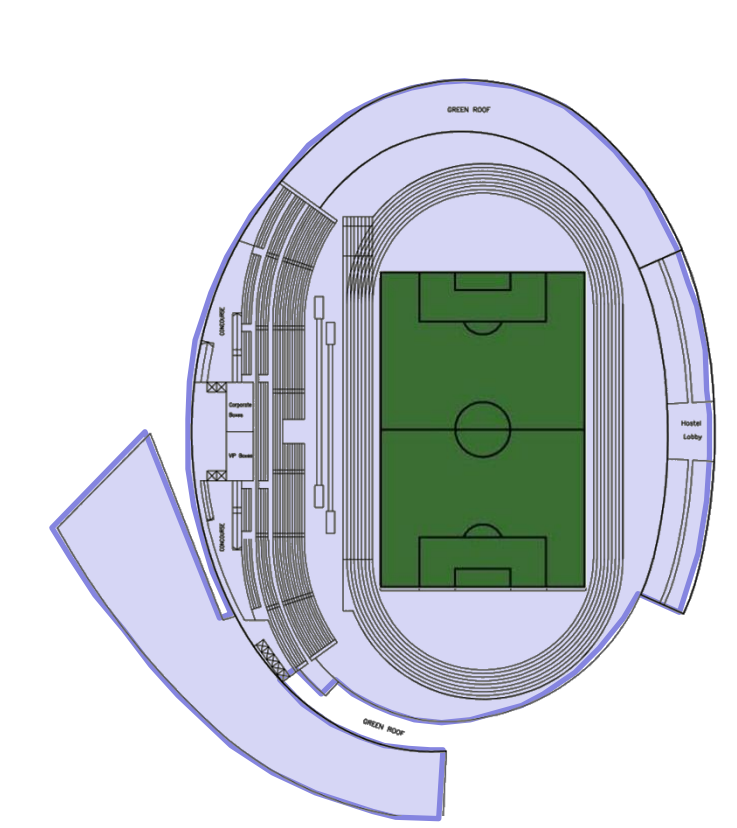
- Main arena
主場館
- Lower tier spectator seats
下層觀眾席
- 10 pin bowling hall
保齡球場
- Fitness Centre
健身中心
- Retail Shops
零售店鋪



Public Sports Ground at +13mPD

公眾運動場 (+13mPD)

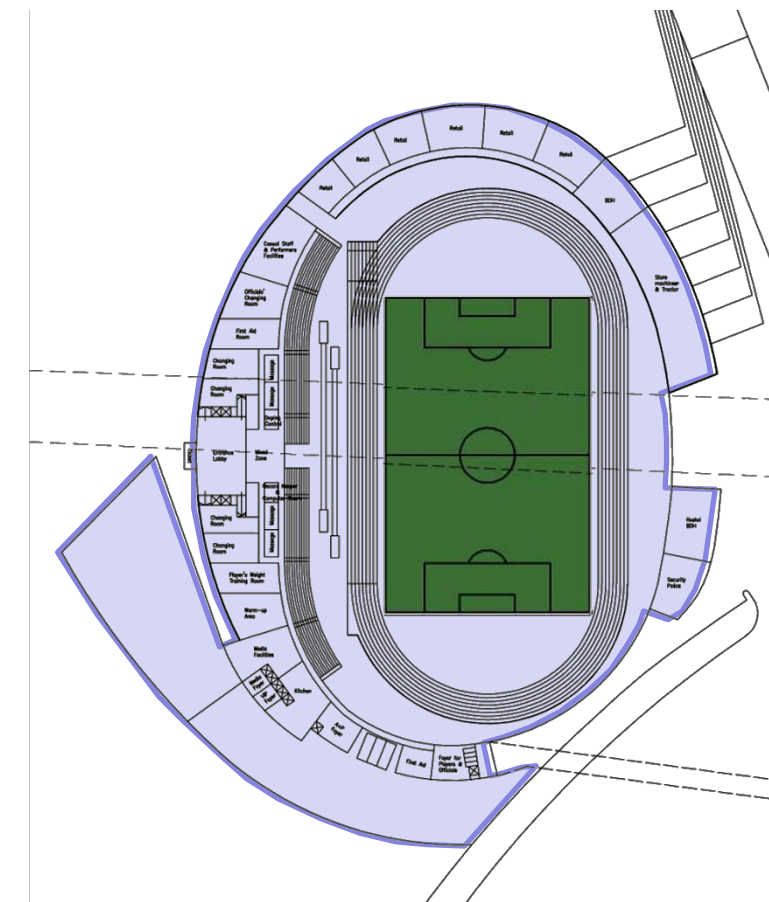
- Upper tier spectator seats
上層觀眾席
- VIP Booths
貴賓包廂
- Media Centre
傳媒中心



Public Sports Ground at +5mPD

公眾運動場 (+5mPD)

- Pitch
球場
- Track and Field
田徑場
- Lower tier spectator seats
下層觀眾席
- Changing rooms
更衣室
- Retail Shops
零售店鋪



Multi-purpose Sports Complex

at Kai Tak Development

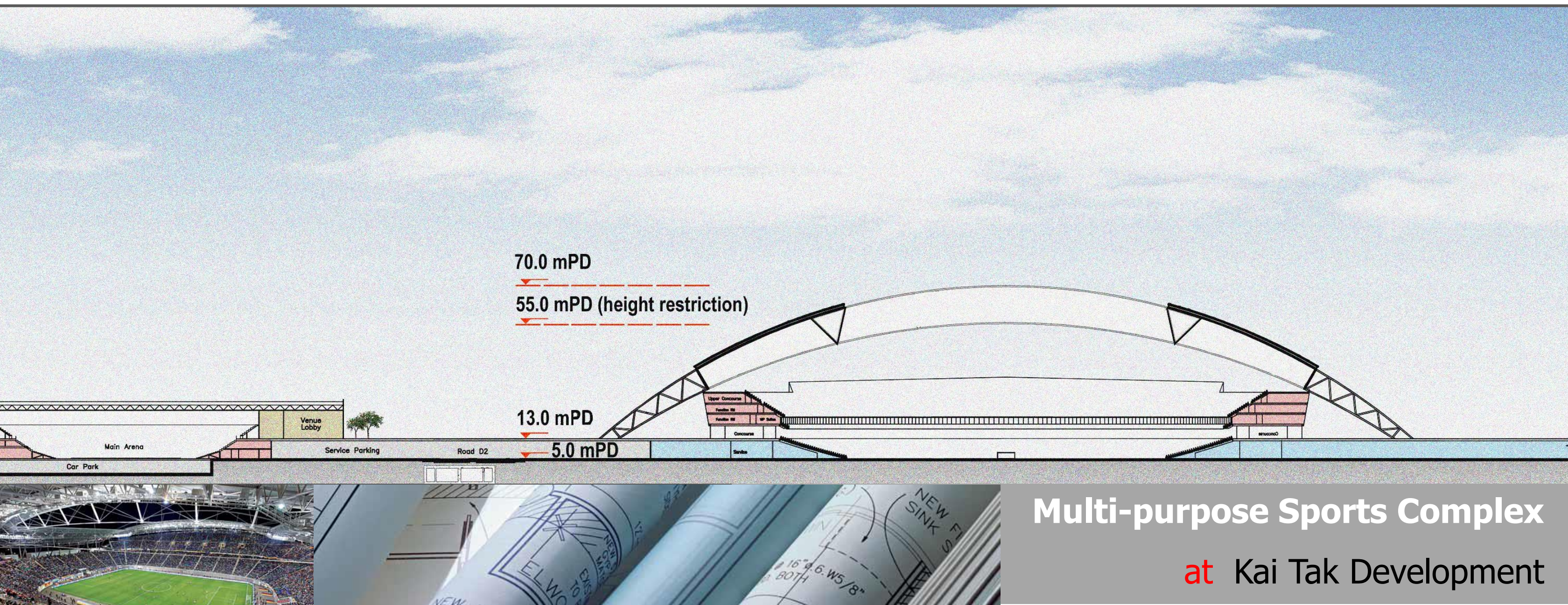
Conceptual Section 剖面設計概念

- A height restriction of **55 mPD** for any development on site under OZP

根據分區計劃大綱圖中之高度限制，體育園區內之建築物不可高於主水平基準以上55 公尺

- Application to relax height restriction will be submitted by ArchSD to Town Planning Board for approval before tendering

建築署將會在招標前向城市規劃委員會申請放寬高度限制，

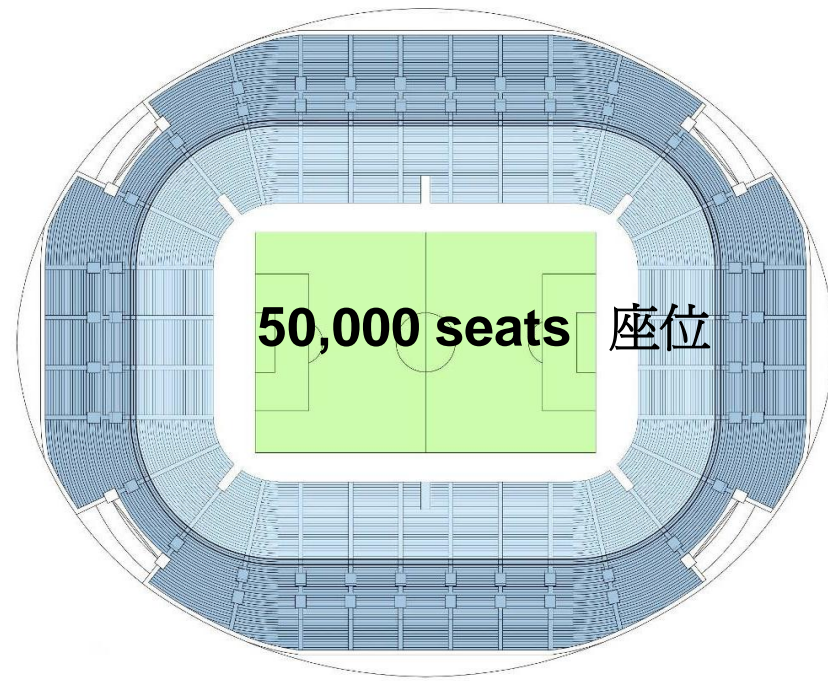


Multi-purpose Sports Complex

at Kai Tak Development

Multi-functions

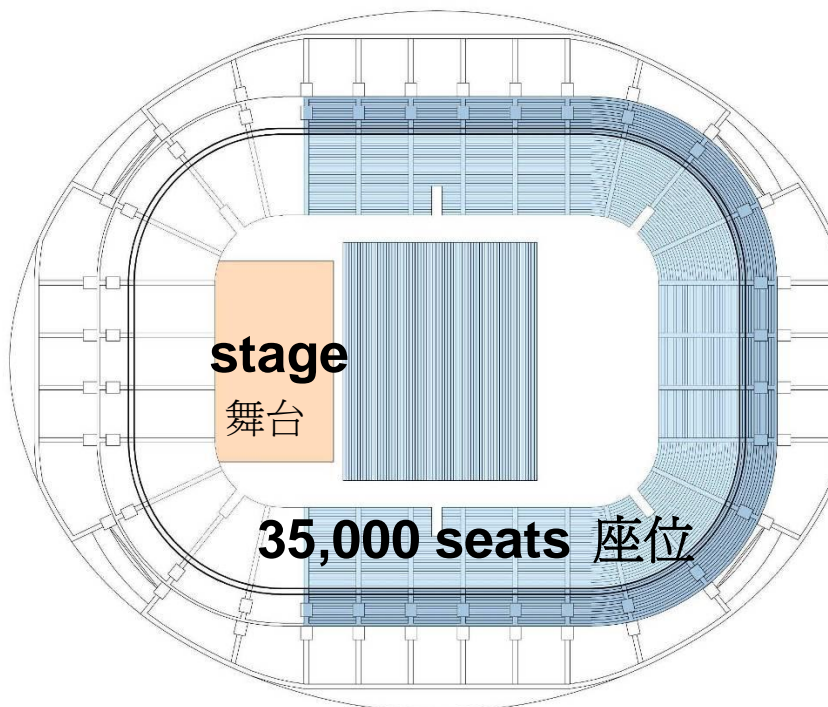
多元功能



Football Mode
足球賽事模式



Multi-sports Mode
多元化體育模式



Concert Mode 1
音樂會模式 1



Concert Mode 2
音樂會模式 2

- Main Stadium shall be multi-functional to optimize usership and spectator experience

主場館要配合多元功能以滿足不同用途需要及優化觀眾體驗

- Change of operational mode to suit different sports and recreational events

可配合不同體育及娛樂活動的運作模式作靈活轉換



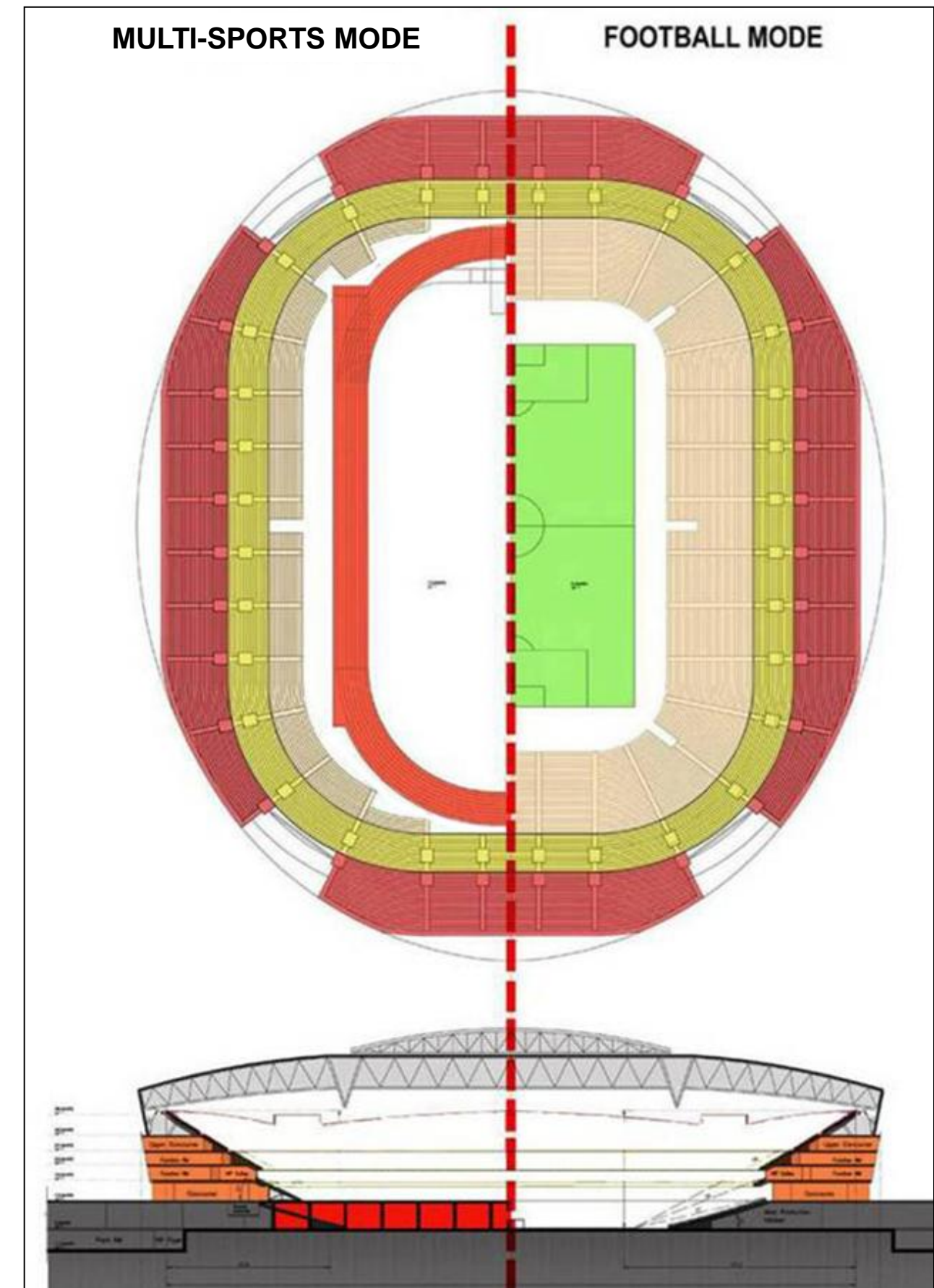
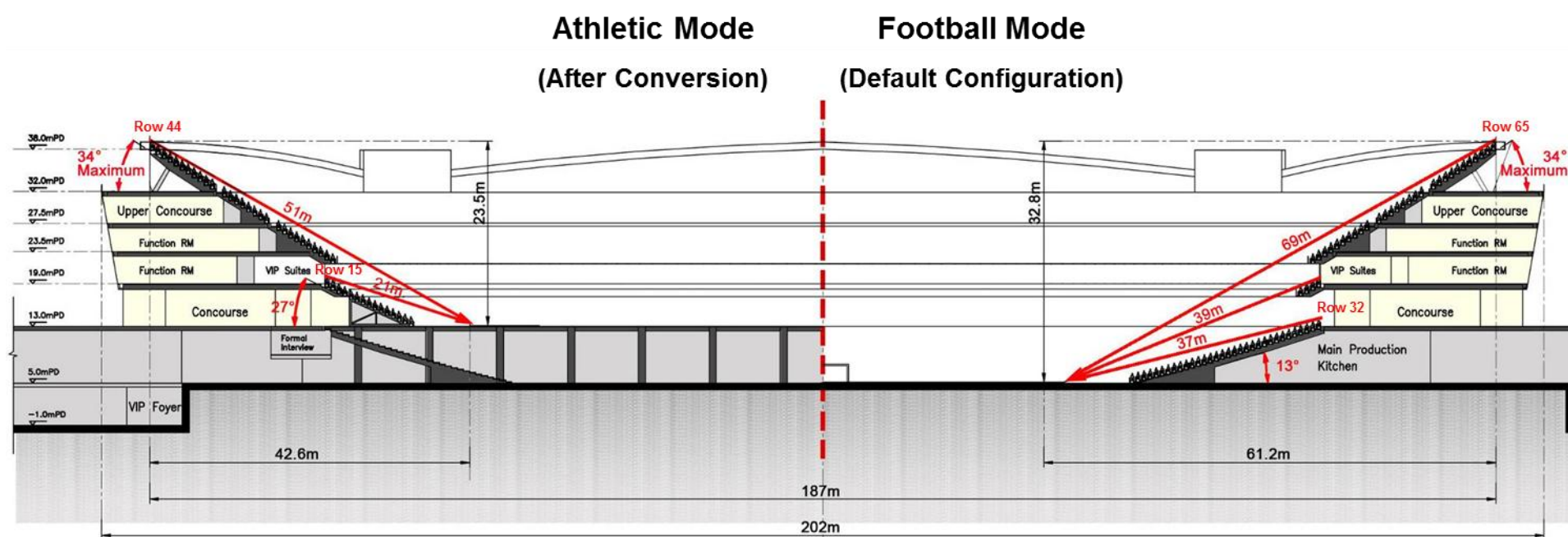
Multi-purpose Sports Complex

at Kai Tak Development

Multi-functions

多元功能

- Design to optimize sightlines & viewing distances while keeping the functional versatility
- 設計上提供最佳視線及觀賞距離, 同時保持功能上的可變性

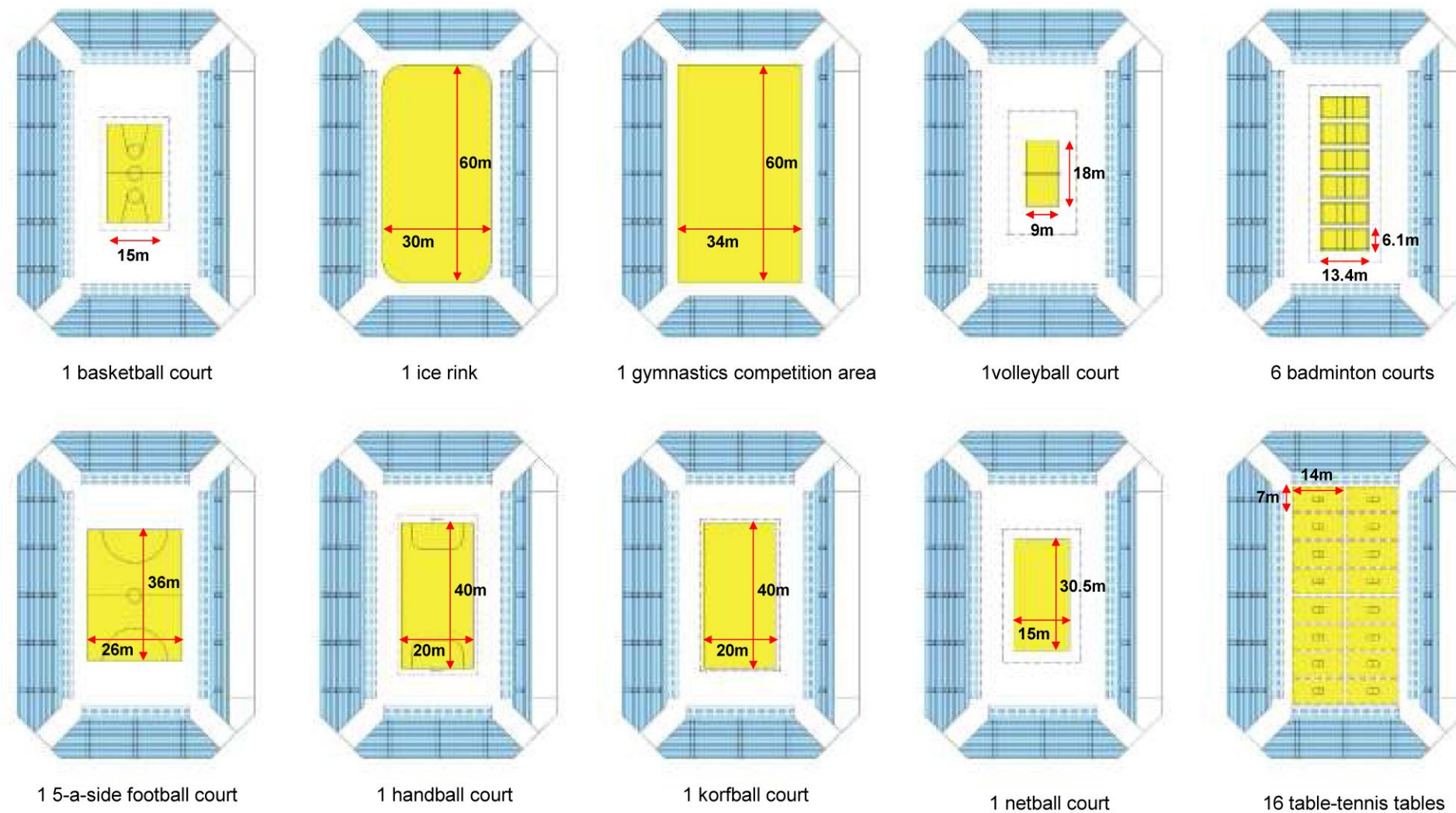


Multi-purpose Sports Complex

at Kai Tak Development

Multi-functions

多元功能



Legend

- Sports Court
- Permanent Seating
- Flexible Seating

Main Arena can accommodate all disciplines and sporting events requested in the brief in accordance with the international standards

- Indoor Sports Arena shall be designed to allow change of operational mode to suit different sports and recreational events eg. basketball, volleyball, badminton, table tennis, netball, gymnastics, handball, wushu

室內體育館可提供最佳視線及觀賞距離, 同時保持功能上的可變性, 例如籃球, 排球, 羽毛球, 乒乓球, 投球, 體操, 手球, 武術

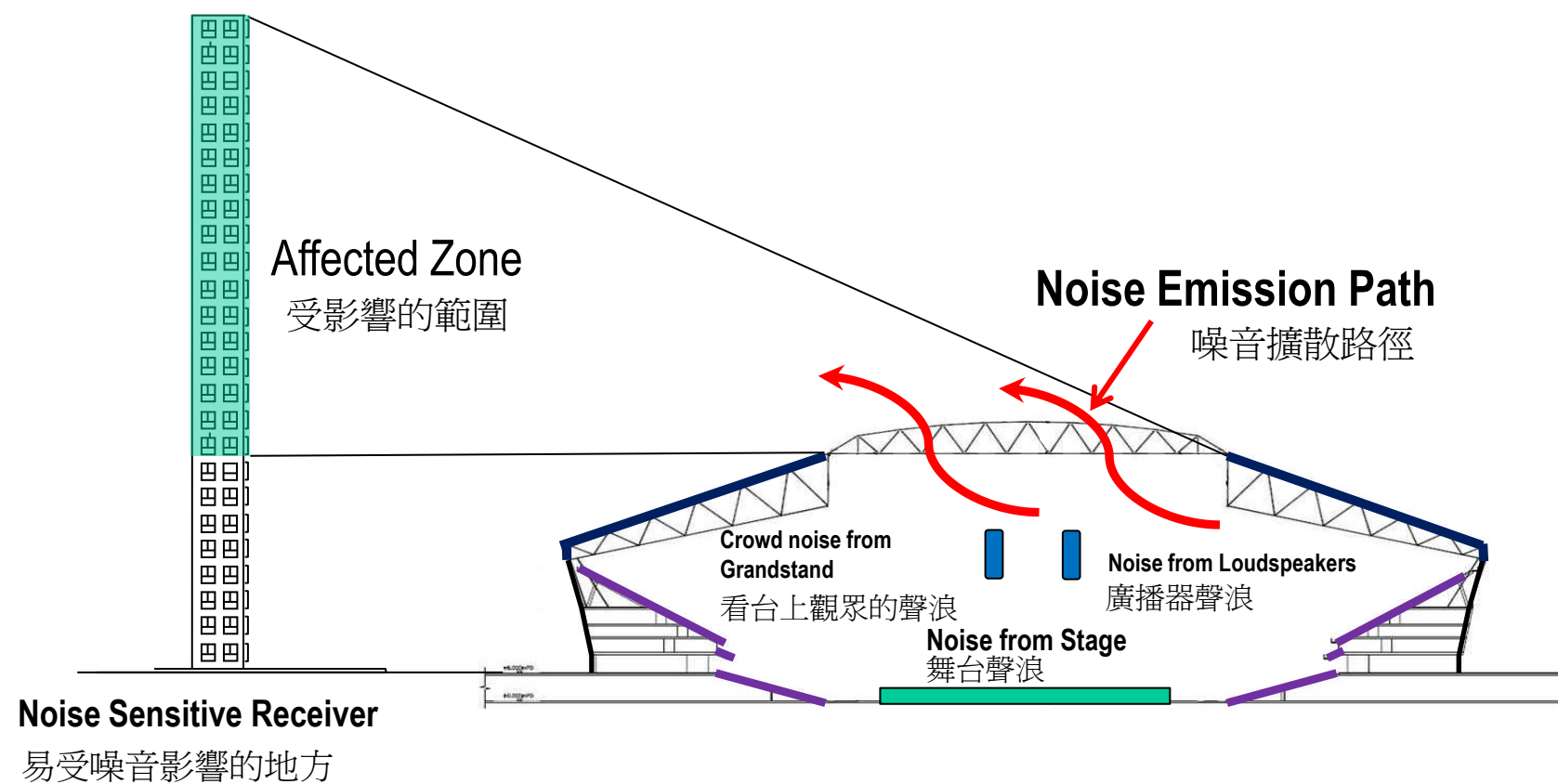


Multi-purpose Sports Complex

at Kai Tak Development

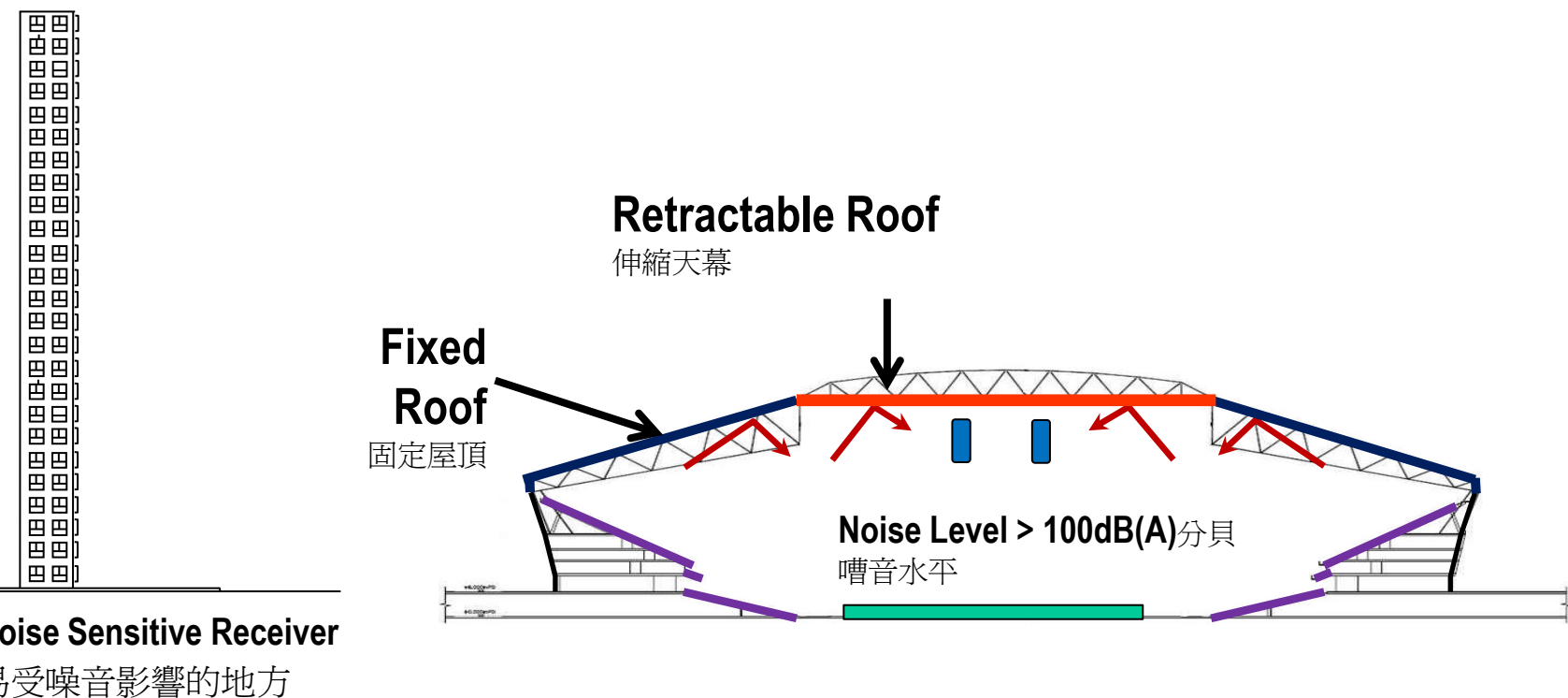
Noise Control

噪音控制



Main Stadium without Retractable Roof and close to NSR

主場館沒有伸縮天幕並毗鄰易受噪音影響的地方



Main Stadium with Retractable Roof and away from NSR

主場館配有伸縮天幕並遠離易受噪音影響的地方

- Mitigate noise impact to surrounding environment by means of strategic master planning and sound shielding devices

以策略性總規劃及隔音裝置去減低噪音對週遭環境之影響

- Closing up the Main Stadium by Retractable Roof as an effective noise control measure

為主場館裝置伸縮天幕是其中一個有效的噪音管制方法



Multi-purpose Sports Complex

at Kai Tak Development



Pitch Turfing

球場草地

- To enable the functional versatility of the Main Stadium, a removable pitch management system shall be adopted
利用可移除的球場草披系統, 增強主場館功能的可變性
- A challenge to find an efficient means of storing the turf during events which do not require a grass pitch and allowing the turf to replenish naturally
當主場館活動不需要草地, 須要有效率地存放及護養移走後的塊裝草披



Palletized Turfing in Progress 塊裝草披鋪設中



Multi-purpose Sports Complex

at Kai Tak Development

Sustainability

可持續發展

- MPSC shall be Eco-Friendly
園區設計應符合環保原則
- Design will be **Green in Look & Green in Heart**
環保設計將會內外兼顧
- Minimum greening ratio of **30 %** of site area
綠化面積比率不會低於總用地面積之30%
- Innovation & Creativity in energy and waste management integrated with architectural design and its waterfront context
建築設計將結合創新及富創意的能源及廢物管理, 與及其海濱環境



Multi-purpose Sports Complex

at Kai Tak Development

Standard

國際標準

MPSC shall be a venue of world class sports facilities designed to meet the latest standards set by international sports organizations e.g. FIFA, IAAF

體育園區將成爲一個世界級的體育場地, 其設施將符合國際體育組織, 如國際足球協會, 國際田徑聯合會等所定之最新標準



Multi-purpose Sports Complex

at Kai Tak Development

Thank You

謝謝

Multi-purpose Sports Complex

at Kai Tak Development

啓德體育園區



建築署

Architectural Services Department

