

**For discussion
on 26 March 2012**

Legislative Council Panel on Economic Development

**401IO – Fitting-out works for Government facilities
associated with Midfield Expansion Project
at Hong Kong International Airport**

Purpose

This paper briefs Members on the Government's proposal to upgrade **401IO** "Fitting-out works for Government facilities associated with Midfield Expansion Project at Hong Kong International Airport" to Category A. The midfield expansion project is being pursued by the Airport Authority (AA) at the Hong Kong International Airport (HKIA) to provide additional handling capacity to cater for the forecast growth in air traffic demand.

Project Scope and Nature

2. The proposed scope of **401IO** comprises the design and fitting-out works for Government facilities located inside the Midfield Concourse and Terminal 1 at HKIA. The proposed works will provide a net operational floor area (NOFA¹) of 1,066 square metres (m²), with the following facilities –

- (a) Customs and Excise Department (C&ED) – NOFA of 550 m²
 - (i) baggage examination rooms, personal search rooms, observation rooms, operation and case processing facilities for different units/teams, dog kennel, server rooms, firearms loading and unloading room, standby cum briefing

¹ NOFA is a standard term used to describe the floor area actually allocated to the users for carrying out the intended activities. Unlike construction floor area which takes into account all areas within the building structure envelope, NOFA does not include areas for toilets, bathrooms and showers, lift lobbies, stair halls, public/shared corridors, stairwells, escalators and lift shafts, pipe/services ducts, refuse chutes and refuse rooms, balconies, verandahs, open decks and flat roofs, loading/unloading areas, mechanical plant rooms, etc.

room, exhibit store, changing rooms facilities and pantry;

(b) Immigration Department (ImmD) – NOFA of 129 m²

- (i) an interview room, a search room, a waiting room, a close-circuit television/equipment room, a security lockers room and a changing room;

(c) Department of Health (D of Health) – NOFA of 32 m²

- (i) a Health Post comprising a client waiting room, a health screening room and a consultation room;

(d) Civil Aviation Department (CAD) – NOFA of 111 m²

- (i) equipment rooms for air traffic control equipment and related systems/facilities, outdoor masts for antennas and closed-circuit television cameras; and

(e) Hong Kong Police Force (HKPF) – NOFA of 244 m²

- (i) a police report centre, an observation room, two interview rooms, two operation rooms, seven equipment rooms and four radio rooms.

3. A site plan and location plan of the works sites concerned at the Midfield Concourse and Terminal 1 are at Enclosure 1. Layout plans of the proposed Government facilities are at Enclosures 2 to 8. A perspective view of Midfield Concourse is at Enclosure 9.

Justifications

4. The existing airport configuration consists of two runways, which are supported by two passenger terminals and two concourses with 97 aircraft parking stands, and three cargo terminals and a cargo apron with 34 aircraft parking stands. In 2011, HKIA handled 53.9 million passengers, 3.9 million tonnes of cargo and 333,760 aircraft movements. According to the latest air traffic forecast, there will be around 3.2% of annual increase in air traffic in the coming years. To cope with the air traffic demand up to

2020, the AA is implementing the midfield expansion project which seeks to maximise the use of the two existing runways and increase the handling capacity of the airport to 70 million passengers and 6 million tonnes of cargo.

5. The midfield expansion project will be implemented in two phases, while all Government facilities are required for Phase 1 of the project. Details are as follows –

- (a) an initial phase (Phase 1) comprises the Midfield Concourse with 20 aircraft parking stands to be completed by September 2015, of which 19 are served by bridges;
- (b) an additional crossfield taxiway serves the parking stands on the west side of the Midfield Concourse;
- (c) the Midfield Concourse will be connected to the Terminal 1 West Hall by Automated People Mover (APM); and
- (d) Phase 2 envisages the expansion of the midfield development by 2020 with another row of 10 remote stands west of the Midfield Concourse served by a second crossfield taxiway.

6. The timely commencement of the midfield expansion project is essential to maintaining HKIA's competitiveness as an international aviation centre, especially at a time when HKIA is facing vigorous competition from other airports in the region.

7. According to the established arrangement, AA will provide rent-free accommodation for the Government's use, while the Government will be responsible for the fitting-out works. As the fitting-out works for the Government facilities are integral to the midfield expansion project, subject to further negotiation with AA and internal approval, we intend to entrust the design and fitting-out works for Government facilities associated with the midfield expansion project at HKIA to AA to minimize interfacing problems.

Project Estimate and Programme

8. We estimate the cost of the project to be \$256.5 million in money-of-the-day prices. To tie in with the construction programme of the midfield expansion project, subject to the approval of the Finance Committee, we plan to start the fitting-out works in November 2012 for completion in July 2015 so as to meet the planned commissioning of the Midfield Concourse in September 2015. We need to seek funding approval now so as to firm up the arrangements for the fitting-out works for the above-mentioned Government facilities.

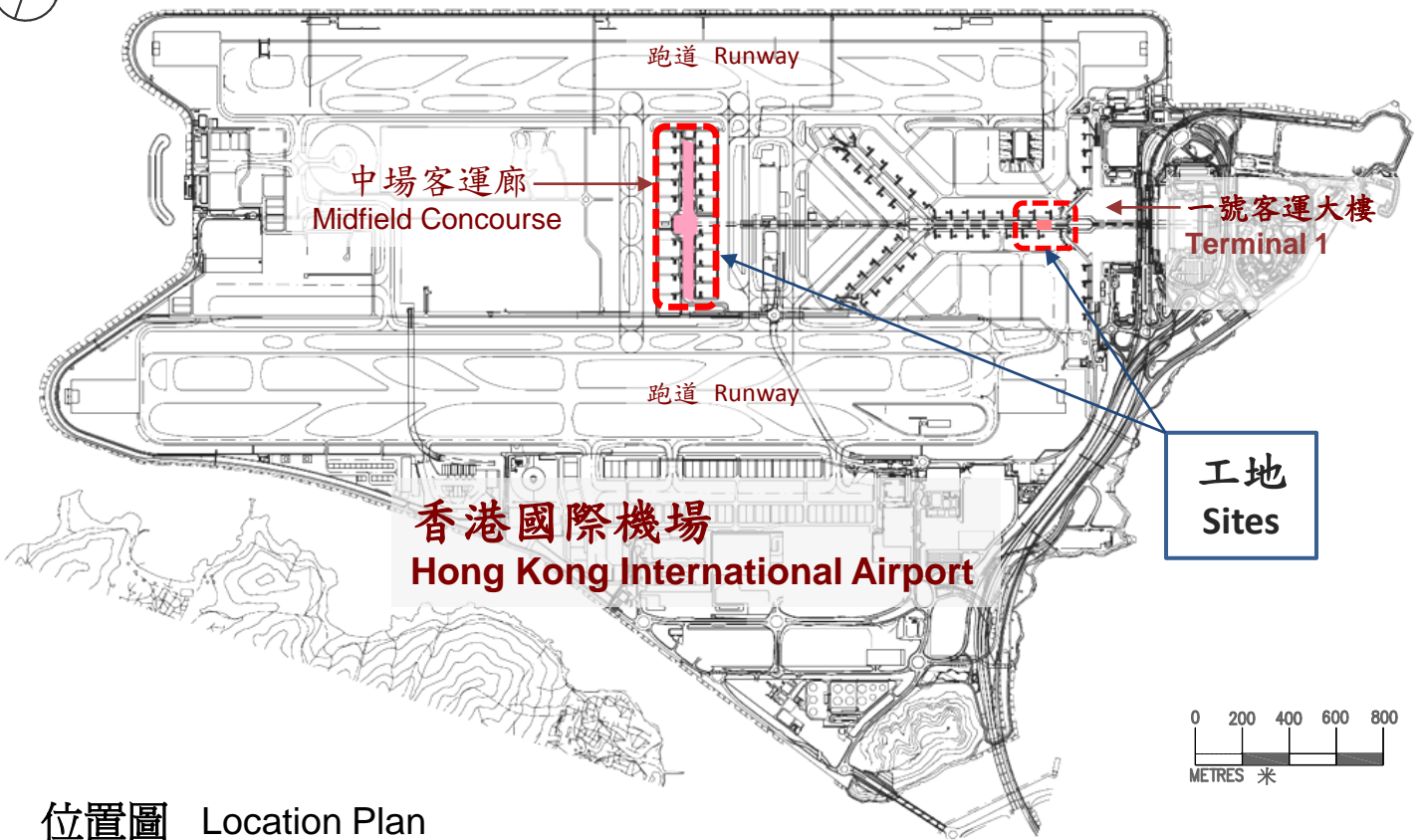
Public Consultation

9. Throughout the planning stage of the project, AA has consulted the relevant stakeholders, including International Air Transportation Association (IATA) and their subcommittees, airlines, ramp handlers, cargo operators, aircraft maintenance service providers, airline caterers, aviation fuel suppliers, etc. between January 2011 and February 2012. They support the midfield expansion project and the plan to provide Government facilities and services associated with the project.

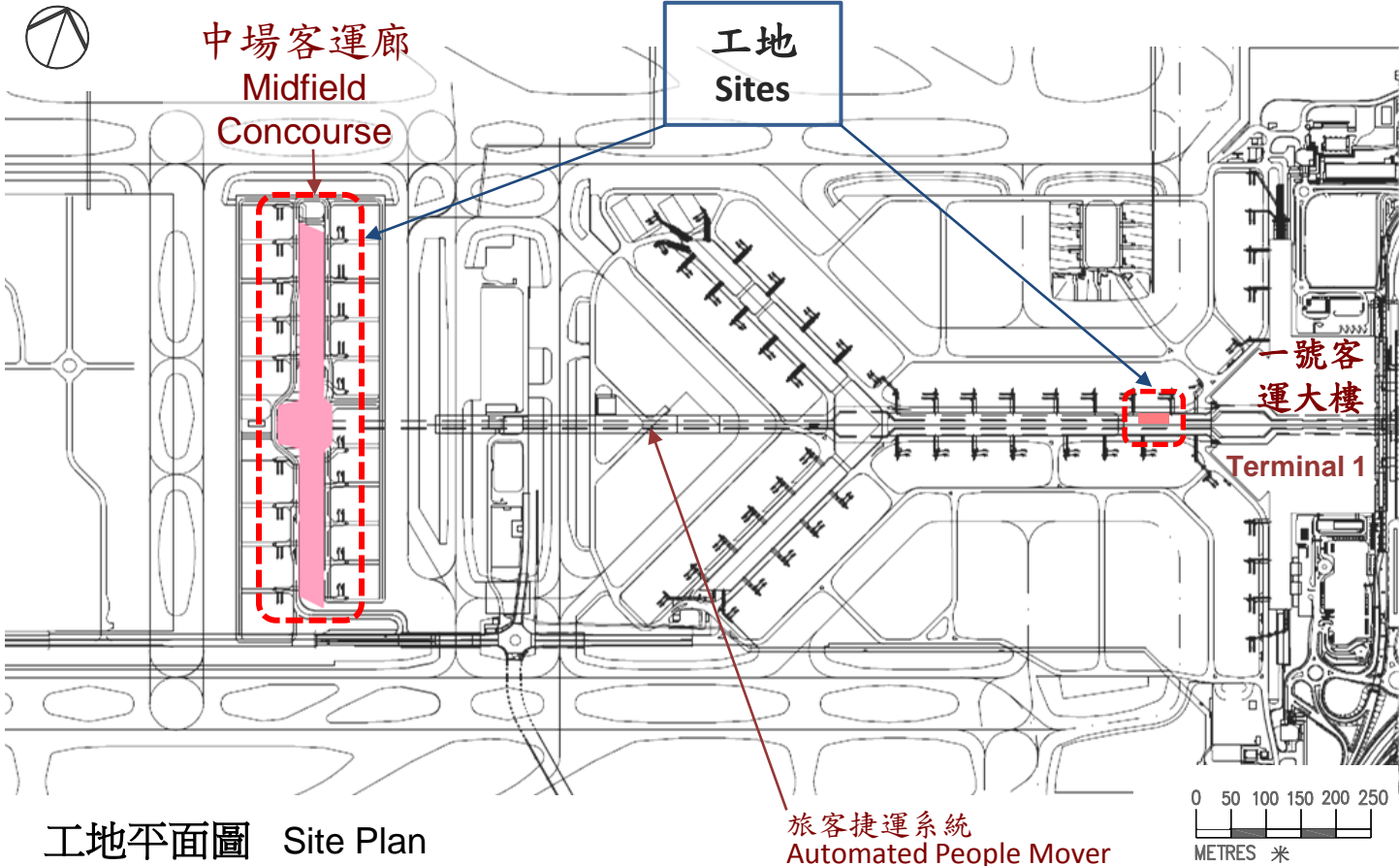
Way Forward

10. We plan to submit the project to the Public Works Subcommittee and the Finance Committee of the Legislative Council in April 2012 and May 2012 respectively for upgrading to Category A.

Transport and Housing Bureau
March 2012



位置圖 Location Plan



工地平面圖 Site Plan

title 項目名稱

40110

FITTING-OUT WORKS FOR GOVERNMENT FACILITIES
ASSOCIATED WITH MIDFIELD EXPANSION PROJECT
AT HONG KONG INTERNATIONAL AIRPORT

香港國際機場飛行區中場範圍發展計劃裝置相關的政府設施工程

drawn by 繪圖

C.K. SIN

approved by 批核

P.K. SO

office 辦事處

PROJECT MANAGEMENT BRANCH
工程策劃管理處

date 日期

15/3/2012

date 日期

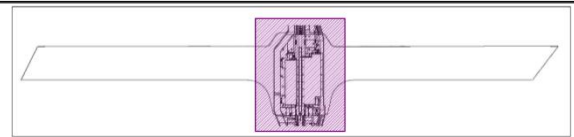
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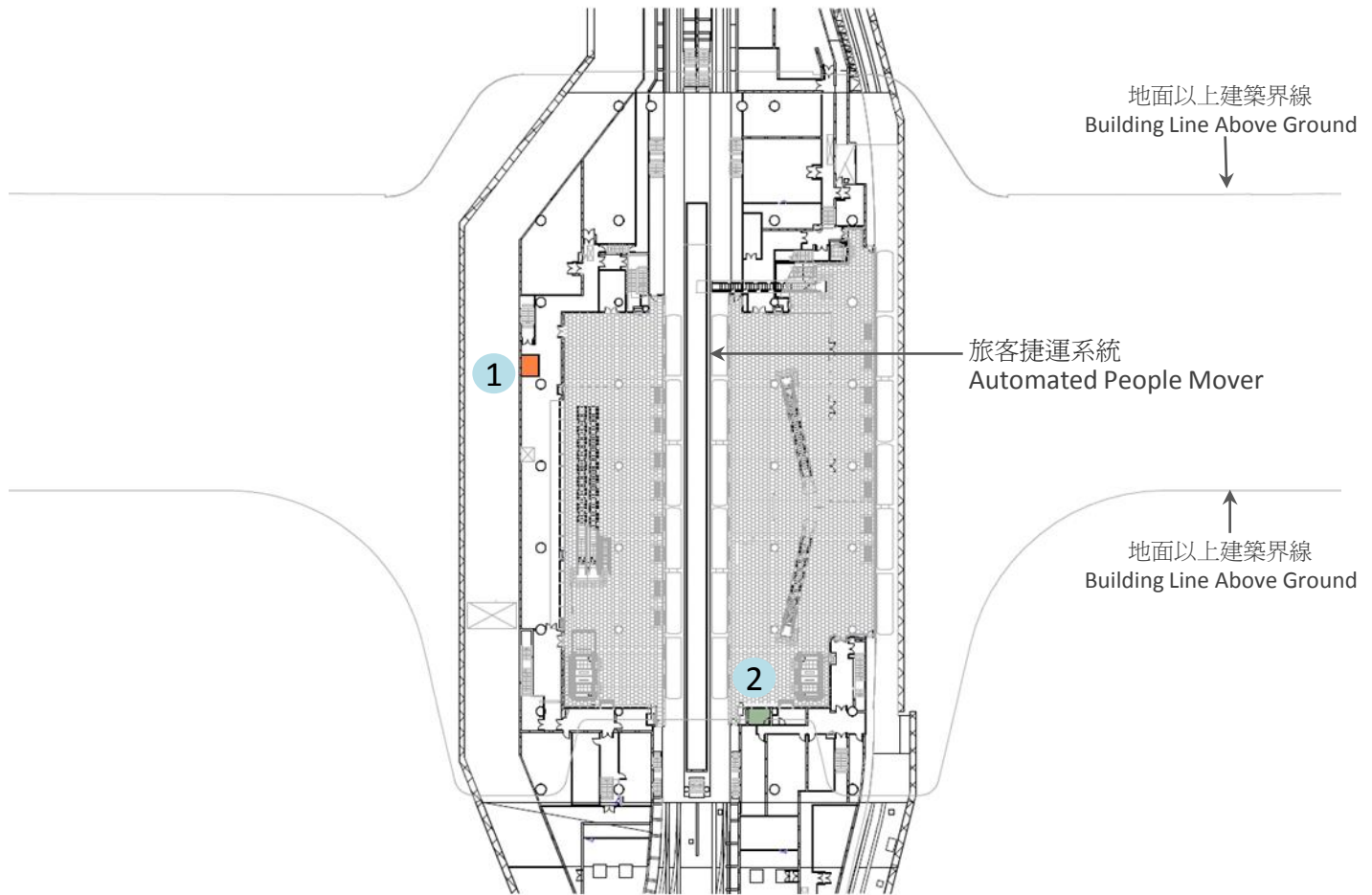
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SERVICES
DEPARTMENT 建築署



LOCATION PLAN

位置圖

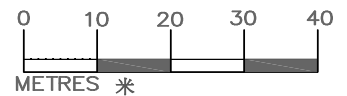
SCALE(比例) 1:10000



圖例

Legends

- 1 警務處無線電儀器室
Hong Kong Police Force Radio Room
- 2 海關監察室(離港旅客)
Customs and Excise Department Observation Room (Departure Passenger)



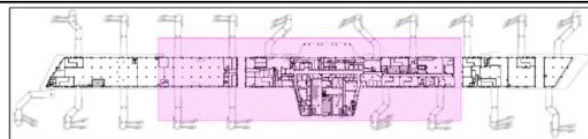
平面圖 - 中場客運廊 第一層 Layout Plan - Level 1 of Midfield Concourse

title 項目名稱
401IO
FITTING-OUT WORKS FOR GOVERNMENT FACILITIES
ASSOCIATED WITH MIDFIELD EXPANSION PROJECT
AT HONG KONG INTERNATIONAL AIRPORT
香港國際機場飛行區中場範圍發展計劃裝置相關的政府設施工程

drawn by 繪圖 C.K. SIN	date 日期 15/3/2012
approved by 批核 P.K. SO	date 日期 15/3/2012
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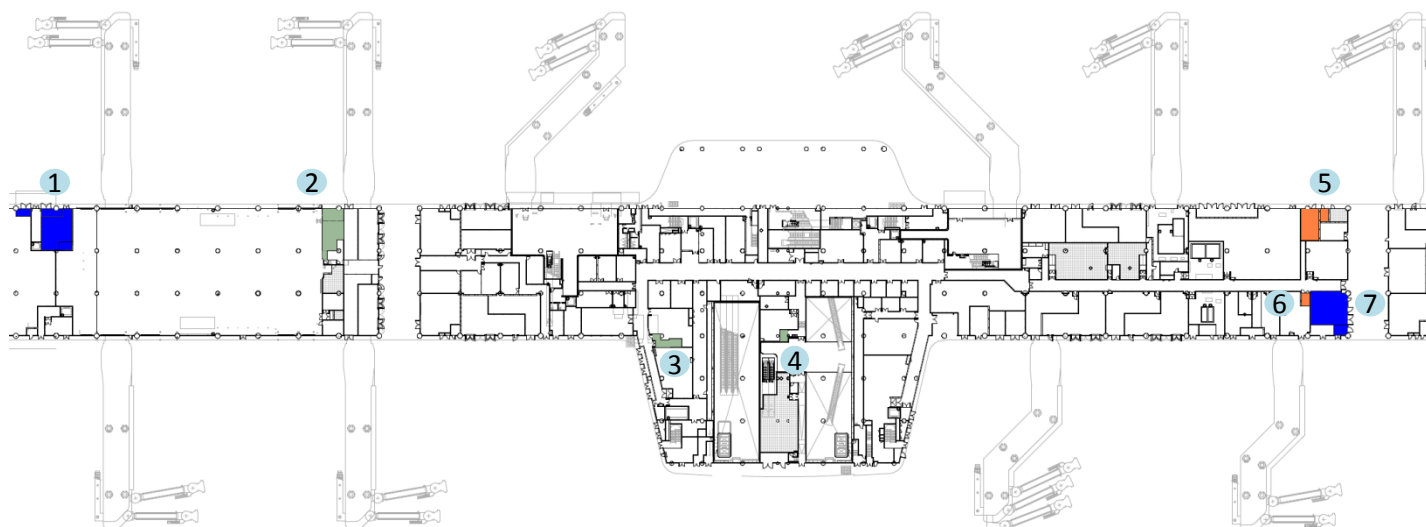




LOCATION PLAN

位置圖

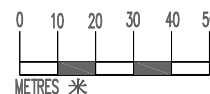
SCALE(比例) 1:10000



圖例

Legends

- 1** 民航處設備室
Civil Aviation Department Equipment Room
- 2** 海關搜查犬組辦公室及狗房 / 突擊及搜查小隊辦公室 / 行李檢查室
Customs and Excise Department Customs Detector Dog Team Office cum Dog Kennel / Strike and Search Team Office / Baggage Examination Room
- 3** 海關電腦伺服器室
Customs and Excise Department Server Room
- 4** 海關監察室(離港旅客)
Customs and Excise Department Observation Room (Departure Passenger)
- 5** 警務處行動候命室 / 儀器室
Hong Kong Police Force Operation Room / Equipment Room
- 6** 警務處無線電儀器室
Hong Kong Police Force Radio Room
- 7** 民航處設備室
Civil Aviation Department Equipment Room



平面圖 - 中場客運廊 第四層 Layout Plan - Level 4 of Midfield Concourse

title 項目名稱

40110

FITTING-OUT WORKS FOR GOVERNMENT FACILITIES
ASSOCIATED WITH MIDFIELD EXPANSION PROJECT
AT HONG KONG INTERNATIONAL AIRPORT

香港國際機場飛行區中場範圍發展計劃裝置相關的政府設施工程

drawn by 繪圖

C.K. SIN

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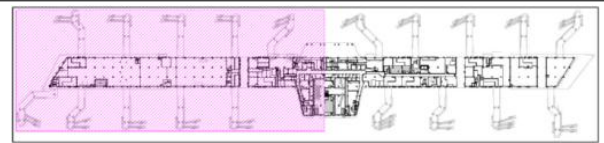
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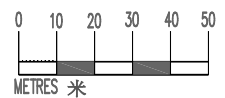
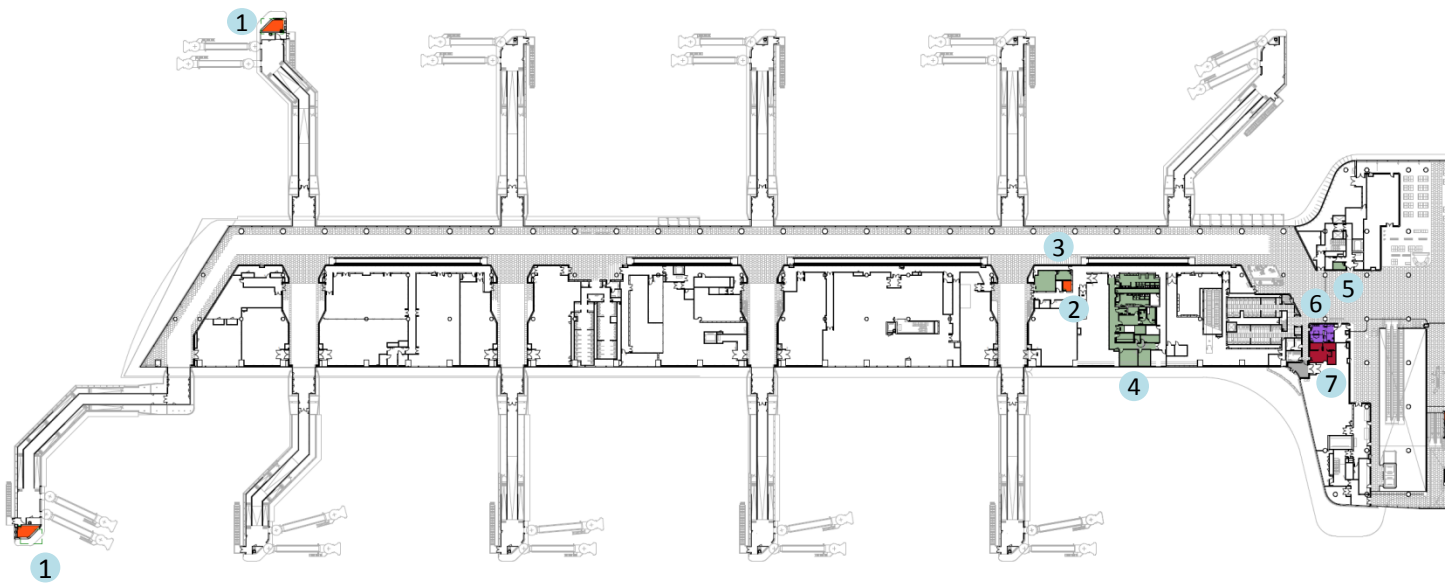


ARCHITECTURAL
SERVICES
DEPARTMENT 建築署



LOCATION PLAN

位置圖 SCALE(比例) 1:10000



圖例

Legends

- 1 警務處儀器室
Hong Kong Police Force Equipment Room
- 2 警務處無線電儀器室
Hong Kong Police Force Radio Room
- 3 海關行李檢查室(北面) / 旅客搜查室(北面)
Customs and Excise Department Baggage Examination Room (North) / Personal Search Room (North)
- 4 海關機動小隊辦公室 / 候勤及簡佈室 / 羈留設施 / 電腦伺服器室 / 槍械上彈及退彈室 / 証物貯存室
Customs and Excise Department Tactical Team Office / Standby cum Briefing Room / Detention Facilities / Server Room / Firearms Loading and Unloading Room / Exhibit Store
- 5 海關監察室(南行旅客)
Customs and Excise Department Observation Room (Southbound Passenger)
- 6 衛生署衛生站(候診室 / 健康檢查室 / 診症室)
Department of Health Health Post (Client Waiting Room / Health Screening Room / Consultation Room)
- 7 入境處 搜查室 / 會面室 / 視控中心 / 候檢室
Immigration Department Search Room / Interview room / Closed-circuit Television Control Centre / Secondary Examination Waiting Lounge

平面圖 - 中場客運廊 第五層 Layout Plan - Level 5 of Midfield Concourse

title 項目名稱

401IO

FITTING-OUT WORKS FOR GOVERNMENT FACILITIES
ASSOCIATED WITH MIDFIELD EXPANSION PROJECT
AT HONG KONG INTERNATIONAL AIRPORT

香港國際機場飛行區中場範圍發展計劃裝置相關的政府設施工程

drawn by 繪圖

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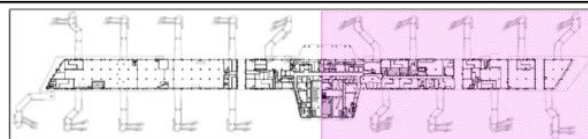
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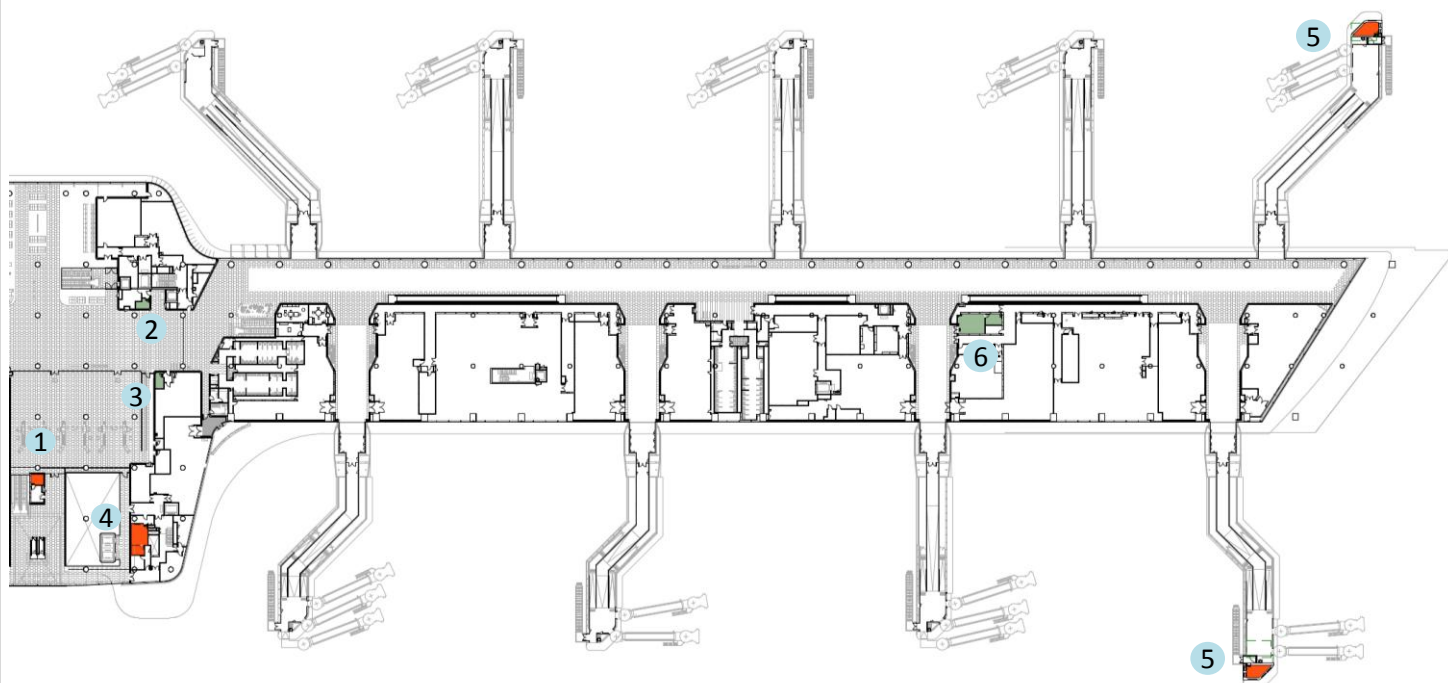
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LOCATION PLAN

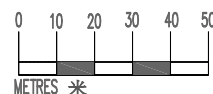
位置圖

SCALE(比例) 1:10000



圖例

Legends



- 1 警務處觀察室
Hong Kong Police Force Observation Room
- 2 海關監察室(北行旅客)
Customs and Excise Department Observation Room (Northbound Passenger)
- 3 海關監察室(轉機旅客)
Customs and Excise Department Observation Room (Transfer Passenger)
- 4 警務處會面室 / 行動候命室
Hong Kong Police Force Interview / Operation Room
- 5 警務處儀器室
Hong Kong Police Force Equipment Room
- 6 海關行李檢查室(南面) / 旅客搜查室(南面)
Customs and Excise Department Baggage Examination Room (South) /
Personal Search Room (South)

平面圖 - 中場客運廊 第五層 Layout Plan - Level 5 of Midfield Concourse

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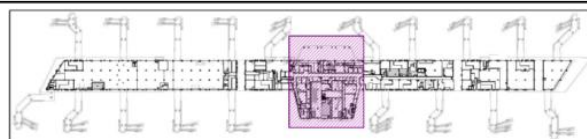
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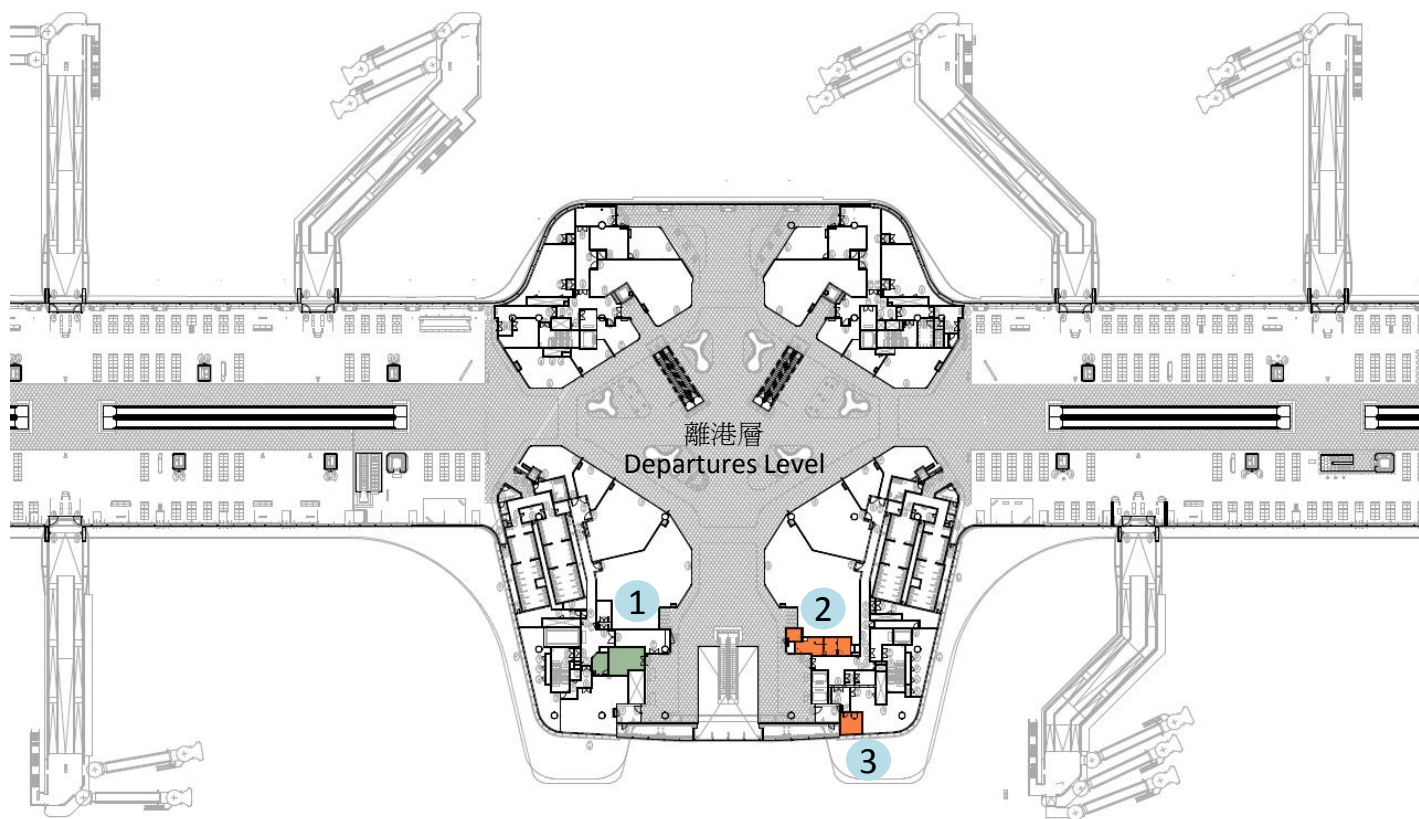
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LOCATION PLAN

位置圖

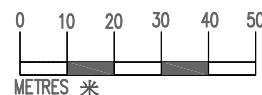
SCALE(比例) 1:10000



圖例

Legends

- 1** 海關行李檢查室 / 旅客搜查室
Customs and Excise Department Baggage Examination Room / Personal Search Room
- 2** 警務處報案中心及接見室 / 無線電儀器室
Hong Kong Police Force Police Reporting Centre & Interview Room / Radio Room
- 3** 警務處儀器室
Hong Kong Police Force Equipment Room



平面圖 - 中場客運廊 第六層 Layout Plan - Level 6 of Midfield Concourse

title 項目名稱

40110

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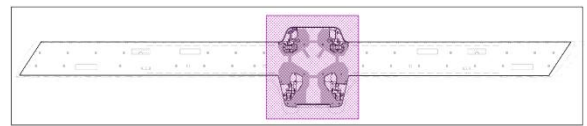
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LOCATION PLAN

位置圖

SCALE(比例) 1:10000

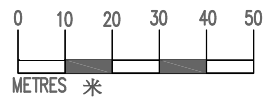
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貴賓室 / 餐飲店
Commercially Important Passengers /
Food & Beverage

圖例

Legends

- 1 警務處儀器室
Hong Kong Police Force Equipment Room



平面圖 - 中場客運廊 第七層 Layout Plan - Level 7 of Midfield Concourse

title 項目名稱

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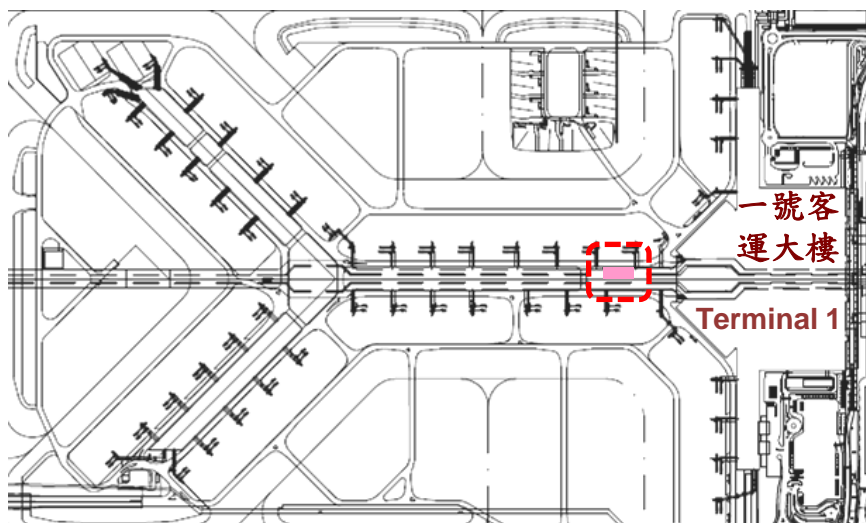
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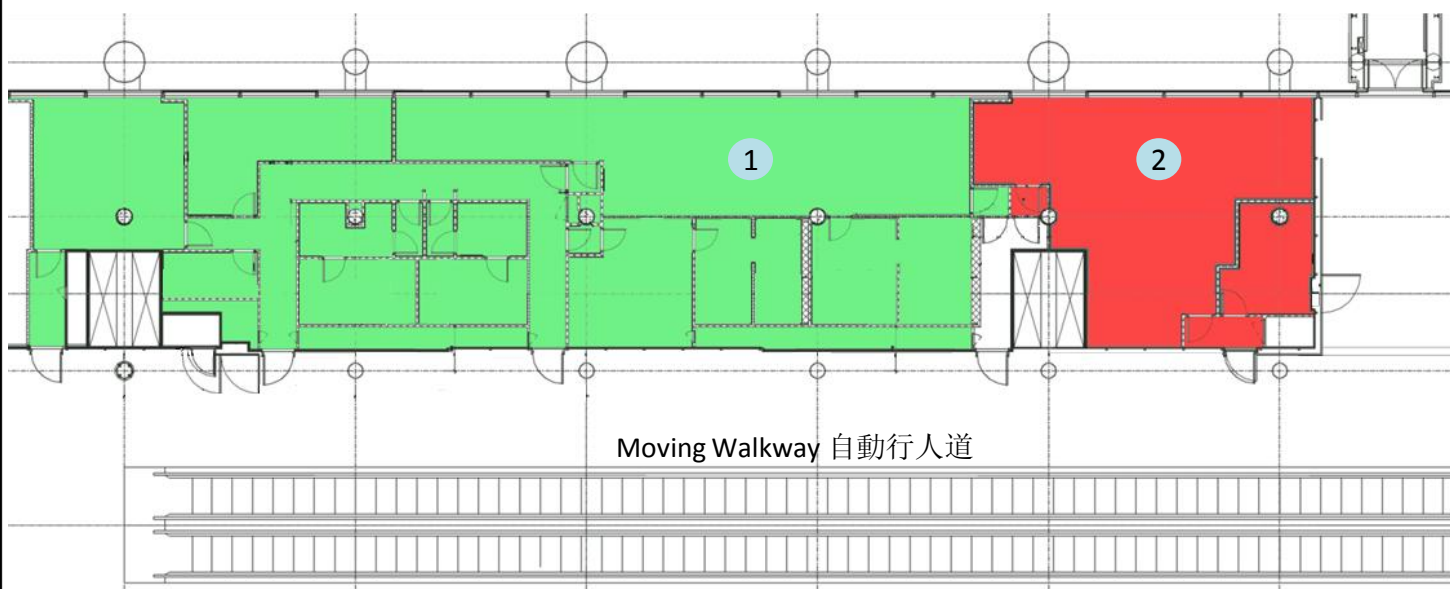
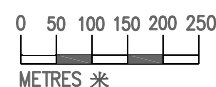


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LOCATION PLAN : SITE
(Between Gate 22 and
Gate 24 in Terminal 1)

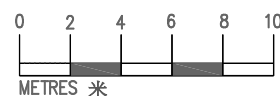
位置圖：工地
(一號客運大樓開口22
與開口24之間)



圖例

Legends

- **1** 海關督察辦公室 / 候勤及簡報室 / 更衣室
Customs and Excise Department Inspector Office / Standby cum Briefing Room /
Changing Room
- **2** 入境處更衣室 / 儲物保管室
Immigration Department Changing Room / Security Lockers Room



平面圖 - 一號客運大樓 第五層

Layout Plan - Level 5 of Terminal 1

title 項目名稱

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Perspective View of Midfield Passenger Concourse from North East Direction (Artist's Impression)

從東北面望向中場客運廊(構思透視圖)

<p>title 項目名稱</p> <p>401IO</p> <p>FITTING-OUT WORKS FOR GOVERNMENT FACILITIES ASSOCIATED WITH MIDFIELD EXPANSION PROJECT AT HONG KONG INTERNATIONAL AIRPORT</p> <p>香港國際機場飛行區中場範圍發展計劃裝置相關的政府設施工程</p>	<p>drawn by 繪圖</p> <p>C.K. SIN</p> <p>approved by 批核</p> <p>P.K. SO</p>	<p>date 日期</p> <p>15/3/2012</p> <p>date 日期</p> <p>15/3/2012</p>	<p>drawing no. 圖則編號</p> <p>PMB1/8048/XA109</p> <p>office 辦事處</p> <p>PROJECT MANAGEMENT BRANCH</p> <p>工程策劃管理處</p>	<p>scale 比例</p> <p>Not To Scale</p> <p>不按比例</p>	<p> ARCHITECTURAL SERVICES DEPARTMENT 建築署</p>
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