



中華人民共和國香港特別行政區政府總部教育局  
Education Bureau  
Government Secretariat, The Government of the Hong Kong Special Administrative Region  
The People's Republic of China

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24 April 2009

Miss Odelia Leung  
Clerk to Panel on Education  
Legislative Council Secretariat  
3rd floor, Citibank Tower  
3 Garden Road  
Hong Kong

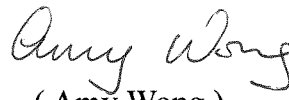
Dear Miss Leung,

**Capital works projects of  
University Grants Committee-funded institutions**

At the meeting on 16 April 2009, the Panel on Education discussed the proposed capital works project by City University of Hong Kong (CityU) to construct its student hostel (phase 4). Members requested the Administration/ CityU to provide floor plans showing the typical room configuration and facilities of the hostel building; and the details of recycling materials/ features adopted in the project conducive to sustainable development. Enclosed please find the supplementary information provided by CityU.

I should be grateful if you could circulate the above information to Members for their reference.

Yours sincerely,

  
( Amy Wong )

for Secretary for Education

c.c. SG, UGC (Attn: Miss Joyce Lee)

### **Supplementary information provided by City University of Hong Kong**

#### **Natural Ventilation**

Natural ventilation is introduced in the building design. An opening (i.e. the covered student activities area) at lower floors of Hall 11 is introduced to enhance air movement in the vicinity.

At the floor level, common rooms with openable windows are positioned in the middle of each typical floor to serve as air-ventilation points in the corridors. In addition, openable windows are provided at lift lobbies to allow free air flow along the corridors (Figure 1: Natural ventilation at typical floor).

#### **Utilization of Natural Light**

The building orientation and layout is so designed to maximize the reception of natural light. Both halls have linear arrangement to increase the frontage to receive natural lighting. As Hall 10 is north-south orientated, its facade facing south is designed to increase the extent of natural light reception for indoor illumination.

In addition, common rooms in the middle of each typical floor (Figure 2: Natural lighting at typical floor) will serve as natural light reception points. The natural light may penetrate and diffuse into the corridor through the windows of the common rooms.

To further increase reception of natural light for indoor illumination, the size of bedroom windows is maximized.

#### **Floor Plans**

The ground floor plan and a typical floor plan are at Appendices A and B respectively.

#### **Recycling Materials and Features**

##### **1. Linoleum Flooring**

In this project, linoleum flooring, which is made of biodegradable vinyl materials, will be used as floor finish of all typical floors except wet area. Linoleum is made of recycled material and can be easily recycled. If they need to be disposed of, they can be safely decomposed in landfill refuse sites as they are fully biodegradable and does not release harmful substances or gases.

## 2. Corrugated Sheet Hoarding

Sheet hoarding frameworks made of corrugated steel will be adopted. These materials are durable and can be reused in other projects.

## 3. Excavated Soil

Excavated soil generated from site formation can be reused for backfilling or as planter base soil as appropriate. This can reduce the volume of soil disposed to landfill sites.

## 4. Collection of Recyclables

Collection boxes for recyclable materials (i.e. aluminum, paper and plastic) will be made available in the building. In fact, similar facilities are provided in the University's existing student hostels (phases 1-3).

## 5. Photovoltaic (PV) System

PV system can capture solar energy and produce electricity to meet part of the building's need.

## 6. Heat Energy Reclaim of Exhaust Air at Common Room

There will be fresh air pre-treated unit for heat reclaim of exhaust air at common room. The system recovers heat energy lost through ventilation and holds down room temperature changes caused by ventilation, thereby reducing the cooling load on the air conditioning system and conserves energy while maintains a comfortable and clean environment.

## 7. Rain Water Recycling

The project will adopt rainwater collection system for irrigation in landscape area.

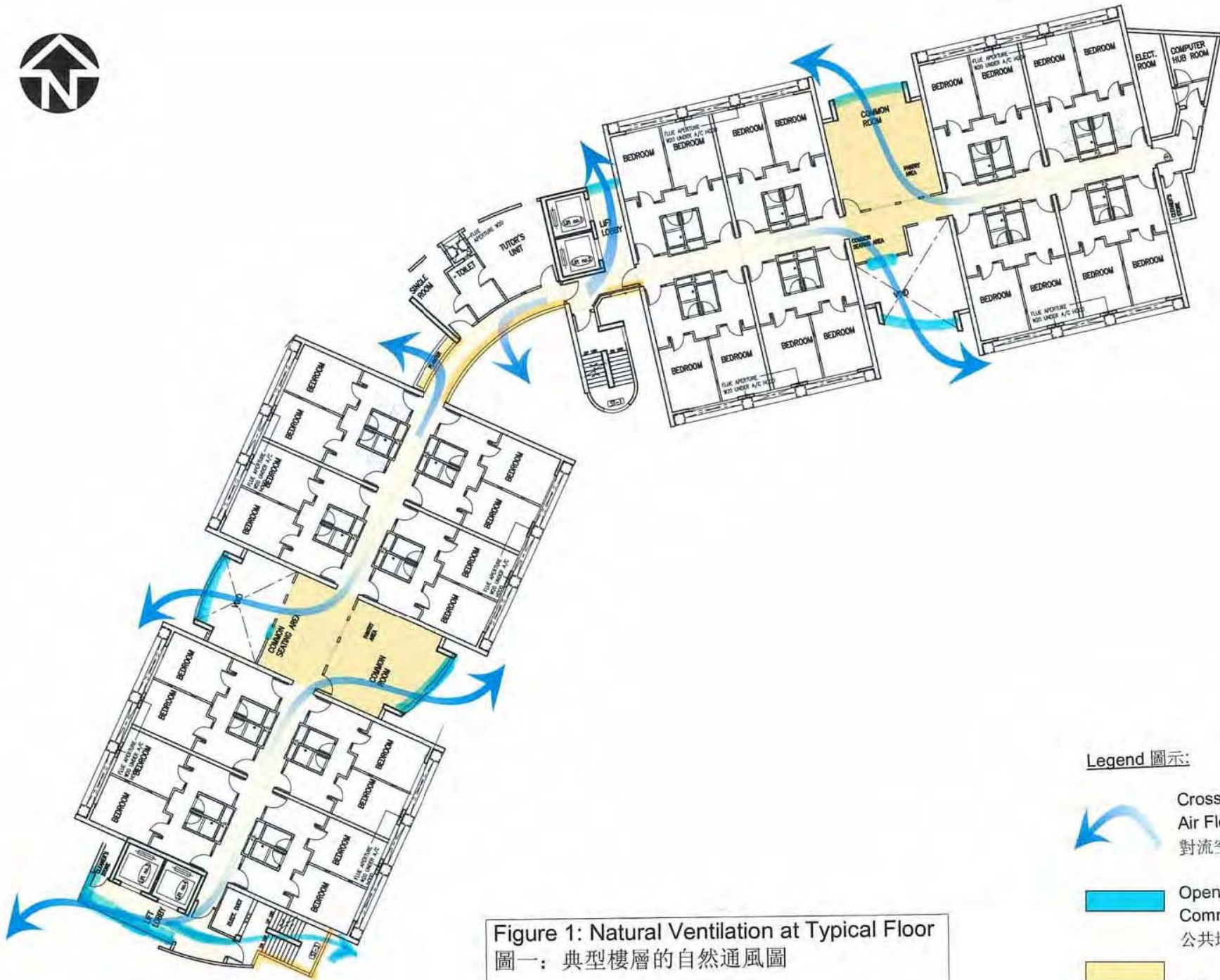


Figure 1: Natural Ventilation at Typical Floor  
圖一：典型樓層的自然通風圖

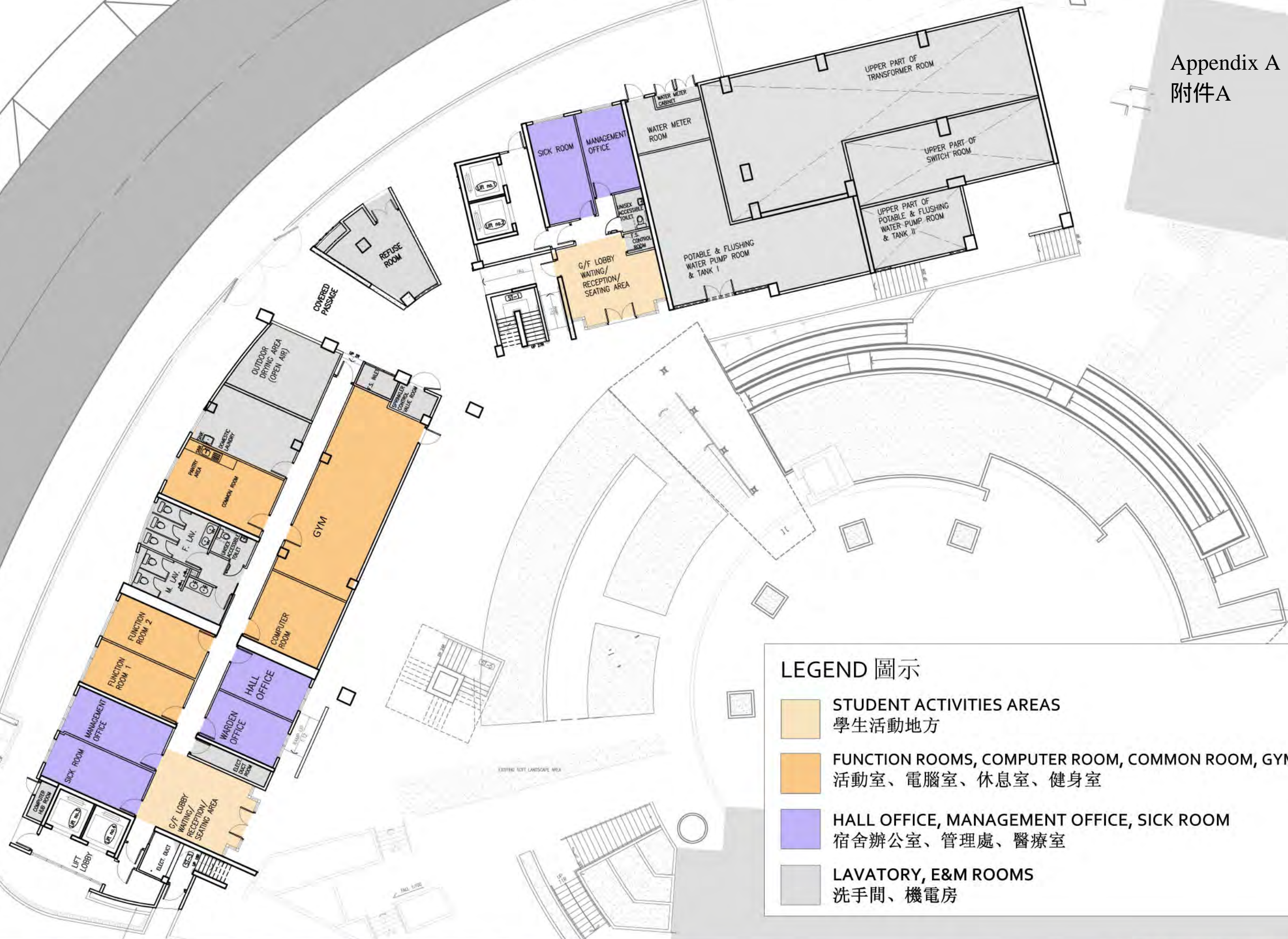
- Legend 圖示:
-  Cross Ventilation Air Flow Indication  
對流空氣示意圖
  -  Openable window at Common Area  
公共地方的窗口
  -  1.1m High Parapet  
1.1米高護牆



Figure 2: Natural Lighting at Typical Floor  
圖二：典型樓層的自然光圖

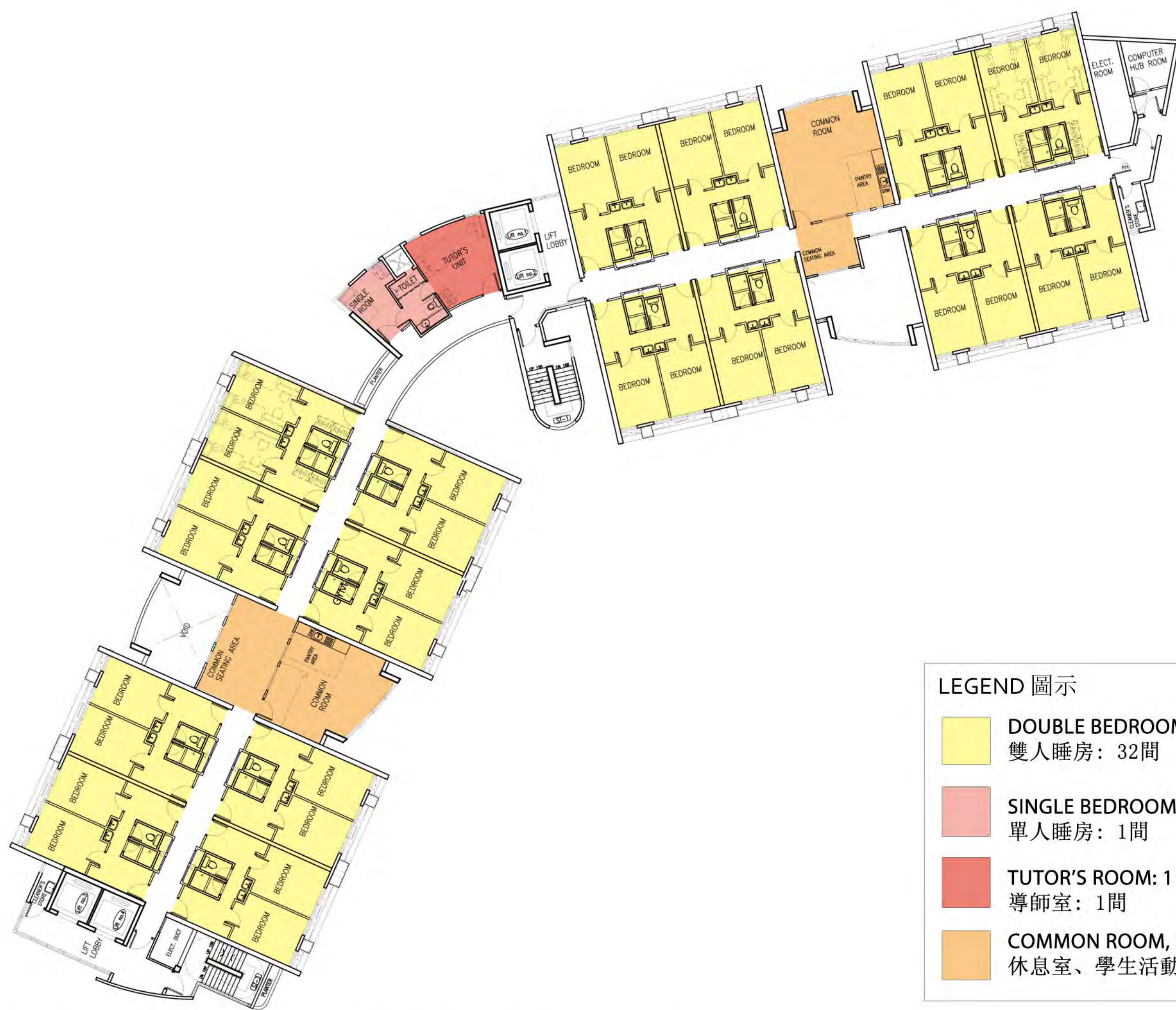
Legend 圖示:

-  Openable window at Common Area  
公共地方的窗口
-  1.1m High Parapet  
1.1米高護牆
-  Diffused Natural Light  
滲入室內的自然光



**LEGEND 圖示**

- STUDENT ACTIVITIES AREAS**  
學生活動地方
- FUNCTION ROOMS, COMPUTER ROOM, COMMON ROOM, GYMNASIUM**  
活動室、電腦室、休息室、健身室
- HALL OFFICE, MANAGEMENT OFFICE, SICK ROOM**  
宿舍辦公室、管理處、醫療室
- LAVATORY, E&M ROOMS**  
洗手間、機電房



**LEGEND 圖示**

	<b>DOUBLE BEDROOM: 32 nos</b> 雙人睡房: 32間
	<b>SINGLE BEDROOM: 1 no</b> 單人睡房: 1間
	<b>TUTOR'S ROOM: 1 no</b> 導師室: 1間
	<b>COMMON ROOM, STUDENT ACTIVITIES AREAS</b> 休息室、學生活動地方