## Buildings 8 \＆ 9

General \＆Key Building Specifications

|  | Building 8 | Building 9 |
| :---: | :---: | :---: |
| Building Function | Wet laboratory enabled building |  |
| Usage | Research and development |  |
| Lab Provisions | Biosafety Level 3 ／PRC P3 Lab provisions enabled |  |
| Total Gross Floor Area （combined） | Approx．32，000 m² |  |
| No．of Floor | 8 levels（G／F－8／F（4／F omitted））of wet lab．and basement for carpark with loading／ unloading bay |  |
| Typical Floor Area | Approx． $590 \mathrm{~m}^{2}$ for G／F | Approx． $790 \mathrm{~m}^{2}$ for G／F |
|  | Approx． $1,900 \mathrm{~m}^{2}$ for 1／F－8／F （4／F omitted） | Approx．2，000 $\mathrm{m}^{2}$ for 1／F－8／F （4／F omitted） |
| Floor to Floor Height | Approx． 5.95 m for G／F |  |
|  | Approx． 4.80 m for 1／F－8／F（4／F omitted） |  |
| Structural Clearence （from structural floor level to soffit of slab above） | Approx． 5.75 m for G／F |  |
|  | Approx． 4.62 m for 1／F－8／F（4／F omitted） |  |
| Structural Clearence （from structural floor level to soffit of the deepest beam） | Approx． 4.85 m for G／F |  |
|  | Approx． 4 m for 1／F－8／F（4／F omitted） |  |
| Clear Headroom | Typical 2.8 m |  |
| Suspended Ceiling | N／A |  |
| Floor Loading | 7.5 kPa |  |
| Vibration Class | VC－A for G／F－1／F |  |
| Dangerous Goods Stores | 8 nos．at G／F for tenant storage use |  |
| Façade | IGU Glass |  |
|  | Dedicated intake and exhaust lourves |  |
| Lift Provisions | Passenger Lift： 4 nos．of $1,350 \mathrm{~kg}$ Clear Door Dimension： $1,100 \times 2,300 \mathrm{~mm}$ |  |
|  | Services Lift： 1 no．of $2,500 \mathrm{~kg}$ Clear Door Dimension： $1,800 \times 2,600 \mathrm{~mm}$ |  |
|  | Fireman Lift： 2 nos of 680 kg <br> Clear Door Dimension： $800 \times 2,300 \mathrm{~mm}$ |  |


| Parking Facilities | Available for private vehicle, motorcycle and bicycle |
| :---: | :---: |
| Air-conditioning \& Mechanical Ventilation | Approx. $9.3 \mathrm{~m}^{2} / \mathrm{TR}$ for tenant area |
|  | Chilled water supply tee-off connection for each unit |
|  | Condensate drain pipe tee-off connection for each unit |
|  | Centralized PAU |
|  | Reserved fresh air and exhaust air louvre at Façade at each unit |
|  | Relative humidity control by desiccant wheel |
|  | 6 nos. of air exchanges per hour |
|  | General exhaust shaft to roof level at each unit |
|  | Allocated space on roof for tenant's installation of the fume exhaust fan |
|  | Emergency exhaust, emgerency shower and eye-washer provided at corridors |
| Fire Protection | Fire hydrant, hose reel system, automatic sprinkler system, fire alarm and detection system, portable fire extinguishing devices provided |
| Water Supply \& Drainage | Water supply and drainage connection point at each unit |
| Chemical Sewage | Centralized neutralization system with chemical waste water pipe tee-off point |
| Normal Electricity Supply | Dual cable risers |
|  | $365 \mathrm{VA} / \mathrm{sq}$ m for G/F |
|  | $294 \mathrm{VA} / \mathrm{sq}$ m for 1/F-8/F (4/F omitted) |
| Standby Power Supply | $72 \mathrm{VA} / \mathrm{sq} \mathrm{m}$ for G/F (12 hours) |
|  | $59 \mathrm{VA} / \mathrm{sq}$ m for 1/F-8/F (4/F omitted) (12 hours) |
| Technical Gases \& Laboratory System | Centralized system with connection point at each unit for the following supply: Non-potable water, Purified water (type II), Carbon dioxide $\left(\mathrm{CO}_{2}\right)$, Nitrogen ( $\mathrm{N}_{2}$ ), Vacuum, Compressed air, Chemical drain, Town gas |
| Security System | CCTV monitoring in public area |
|  | Access control system |
|  | Security gate at lobby |
| Green Building Award and Accreditation |  |

