Central Animal Facility - GROUND FLOOR

Exact room size will change based on corridor space. Maximum area possible to be allocated to each room in the layout below. Facilities are restricted access. Entry and exit points to be minimal and optimized.
No Central AHU required for Ground Floor, Individual Acs will be used.

Indicates entry-exit points

Zebrafish facility 1500 sq ft
Two rooms (1200 Sq Ft + 300 Sq Ft)

Storage for Fish & Imaging 200 sq ft

6 feet 9.7 feet 4 feet

Stairs 1

19.7 feet

Stairs 2

Electric Room 70 Sq Ft

Restroom 80 Sq Ft

Two way door elevator

300 sq ft Gamma Irradiator

550 sq ft Washing + Autoclave Room

Room Temp- 25 deg Cel
Air changes per hour: 8-10
Humidity- 50±5%
Light: dark- 14:10 Hrs
Light- 150 - 300 Lux

Normal Office AC

Normal Office AC

High capacity exhaust system
No AC needed
Central Animal Facility - FIRST FLOOR

Exact room size will change based on corridor space. Maximum area possible to be allocated to each room in the layout below. Facilities are restricted access. Entry and exit points to be minimal and optimized. No Central AHU required for First Floor, individual Acs will be used.

- Normal Office AC
  Need exhaust with timer

- 150 sq ft
  Hematology/Biochemistry

- Histology
  250 Sq Ft

- Necropsy
  200 Sq Ft

- 500 sq ft
  Veterinarian Office +
  Records Room

- Rat & Mice
  Quarantine
  150 Sq Ft

- Storage
  400 Sq Ft

- Stairs 1
- Stairs 2
- Two way door
  elevator

- Electric Room
  70 Sq Ft

- Restroom
  80 Sq Ft

- 850 Sq Ft
  STORAGE
  (Animal bedding, food and
  other miscellaneous)

- Normal Office AC

- Normal Office AC

- Temp- 23±2°C
  Air changes per hour: 5-6
  Humidity- 50±5%
  Light: dark- 12:12 Hrs
  Light- 150-300 Lux
Central Animal Facility - SECOND FLOOR

Exact room size will change based on corridor space.
Maximum area possible to be allocated to each room in the layout below.
Facilities are restricted access. Entry and exit points to be minimal and optimized.
No Central AHU required for Second Floor, individual Acs will be used.

Indicates entry-exit points

- Dark room
  Temp: 23±2°C
  Air changes per hour: - 5-6
  Humidity: 40%

- ~1550 sq ft
  Imaging and/or
  MicroCT- I

- Imaging Storage 150 Sq Ft

- Stairs 1
  TREE
  Stairs 2

- Two way door
  elevator

- Electric Room
  70 Sq Ft

- Restroom
  80 Sq Ft

- ~800 sq ft
  Imaging and/or
  MicroCT- II

- Dark room
  Temp: 23±2°C
  Air changes per hour: - 5-6
  Humidity: 40%
Central Animal Facility - THIRD FLOOR

Exact room size will change based on corridor space. Maximum area possible to be allocated to each room in the layout below. Facilities are restricted access. Entry and exit points to be minimal and optimized.

Temp: 23±2°C
Air changes: 5-6
Positive pressure compared to Clean and dirty corridors
Humidity: 50±5%
Light: dark- 12:12 Hrs
Light: 150-300 Lux

Indicates entry-exit points

FOR DIRTY CORRIDOR & CLEAN CORRIDOR
Normal Office A/C
Negative pressure compared to animal rooms

800 Sq Ft
Mice Breeding
+ NUDE/SCID Mice breeding (2 Rooms)

4 feet

300 Sq Ft
Rat Breeding (2 Rooms)

4 feet

Clean Corridor

Dirty Corridor

AHU 172 Sq Ft

Stairs 1

Stairs 2

TREE

Two way door elevator

100 sq ft
Water Room

200 sqft Staff Room

500 sq ft

Rabbit Room + Storage

Electric Room 70 Sq Ft

Restroom 80 Sq Ft

FOR DIRTY CORRIDOR & CLEAN CORRIDOR
Normal Office A/C
Negative pressure compared to animal rooms

Normal Office AC

Temp: 23±2°C
Air changes per hour: 10-15
(Positive pressure)
Humidity: 50±5%
Light: dark- 12:12 Hrs
Light: 150-300 Lux
Central Animal Facility - FOURTH FLOOR

Exact room size will change based on corridor space. Maximum area possible to be allocated to each room in the layout below. Facilities are restricted access. Entry and exit points to be minimal and optimized.

Indicates entry-exit points

FOR DIRTY CORRIDOR & CLEAN CORRIDOR
Normal Office A/C
Negative pressure compared to animal rooms

Dirty Corridor
800 Sq Ft
Mice + Transgenic Mice Experiment
+ Rat Experiment (2 Rooms)

Dirty Corridor
300 Sq Ft
Animal Stock Supply Room For experiments

Clean Corridor

AHU 172 Sq Ft

Stairs 1
Two way door elevator

Stairs 2

Electric Room 70 Sq Ft

600 sqft Surgery +
Gowning/degowning +
Mice + Rat Procedure Room

Restroom 80 Sq Ft

150 Sq Ft Technician Room

FOR DIRTY CORRIDOR & CLEAN CORRIDOR
Normal Office A/C
Negative pressure compared to animal rooms

Temp- 23±2°C
Air changes per hour: 5-6
Positive pressure compared to Clean and dirty corridors
Humidity- 50±5%
Light:dark- 12:12 Hrs
Light- 150 - 300 Lux

Temp- 23±2°C
Air changes per hour: 5-6
Positive pressure compared to Clean and dirty corridors
Humidity- 50±5%
Light:dark- 12:12 Hrs
Light- 150 - 300 Lux

Temp- 23±2°C
Air changes per hour: 5-6
Humidity- 50±5%
Light:dark- 12:12 Hrs
Light- 150-300 Lux

Normal Office AC
Central Animal Facility - FIFTH FLOOR

Exact room size will change based on corridor space.
Maximum area possible to be allocated to each room in the layout below.
Facilities are restricted access. Entry and exit points to be minimal and optimized.

Temp: 24±2°C
Air changes per hour: 8-10
Humidity: 50±5%
Light: 150 - 300 Lux

Indicates entry-exit points