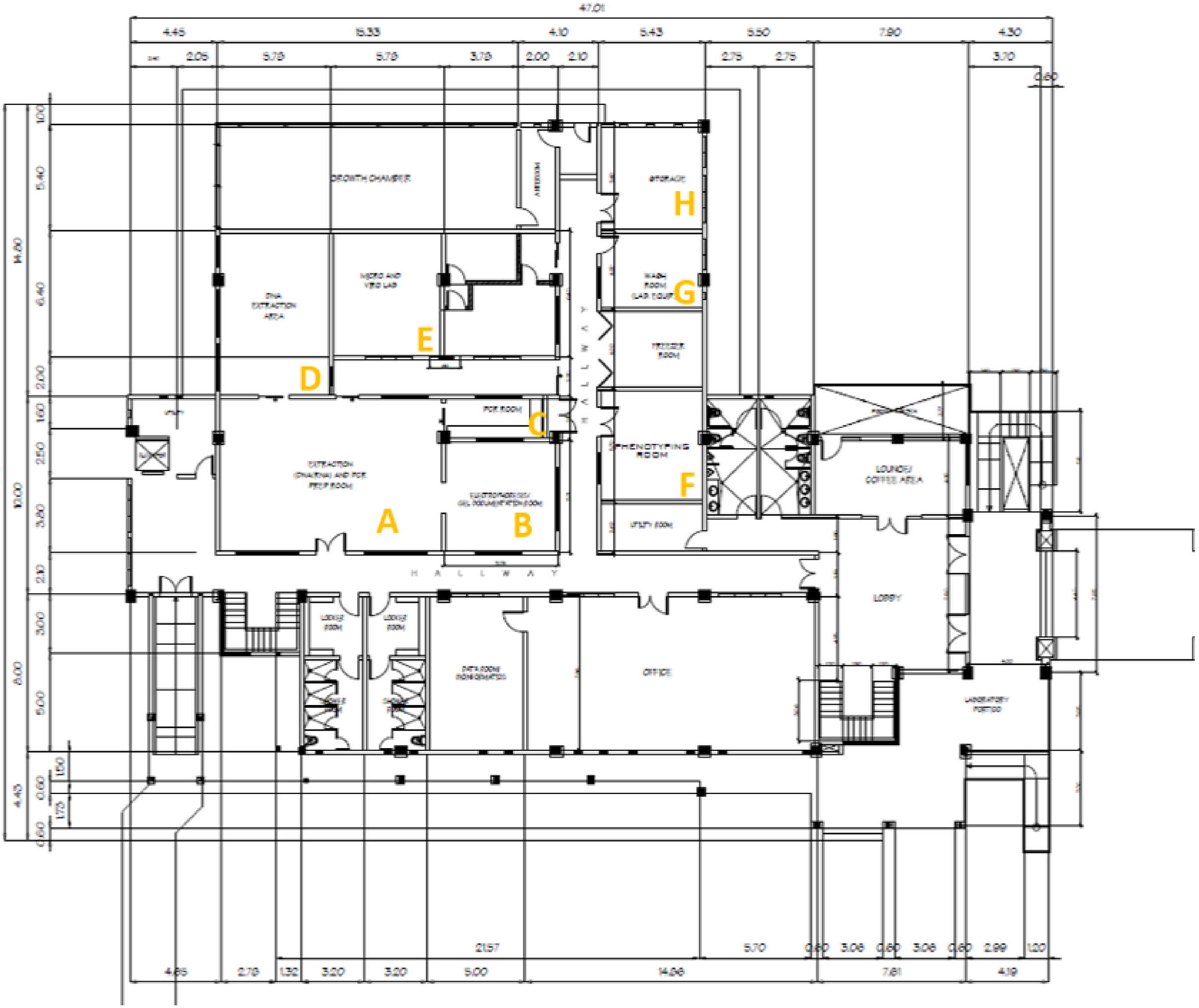
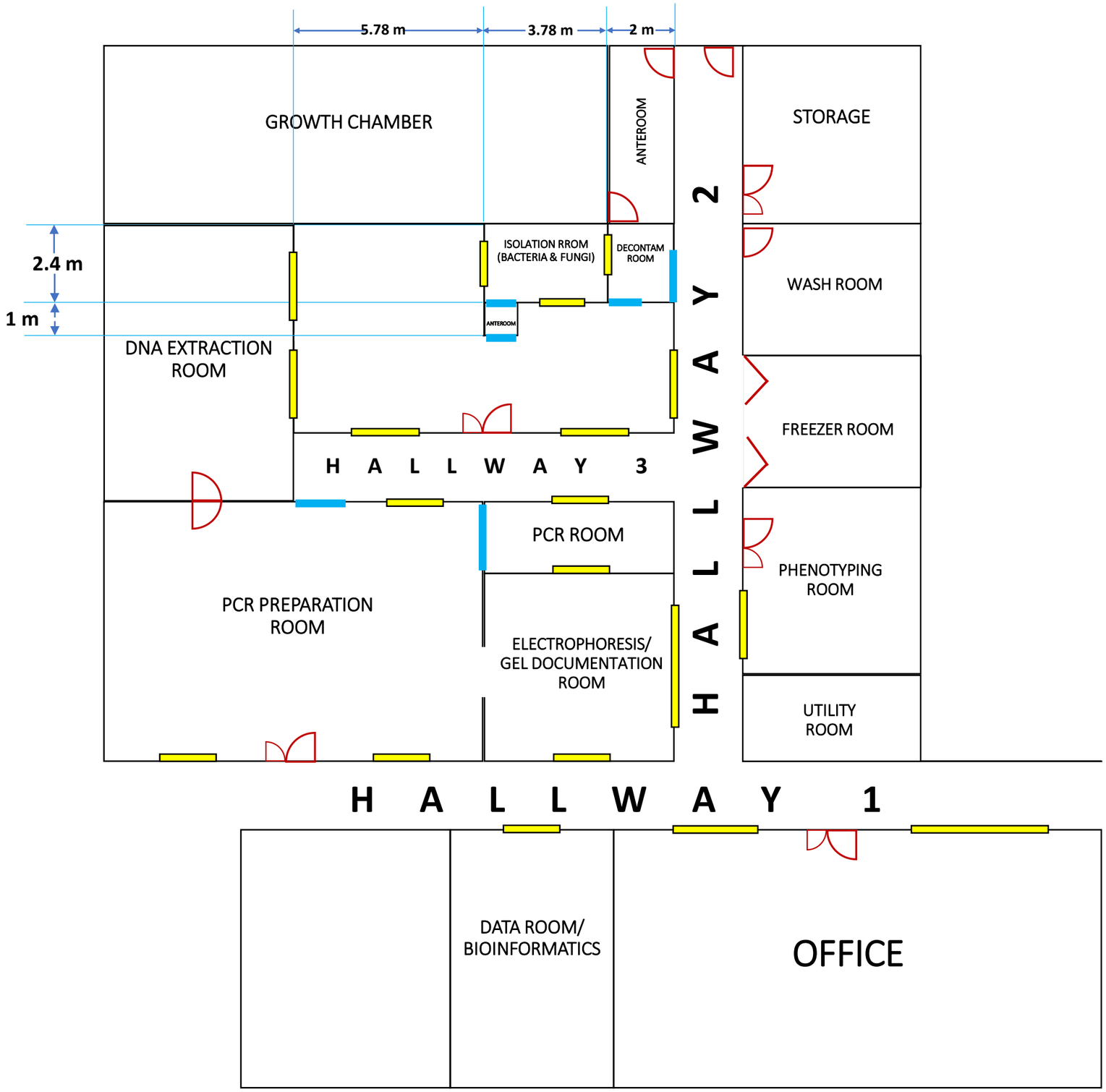
CBC

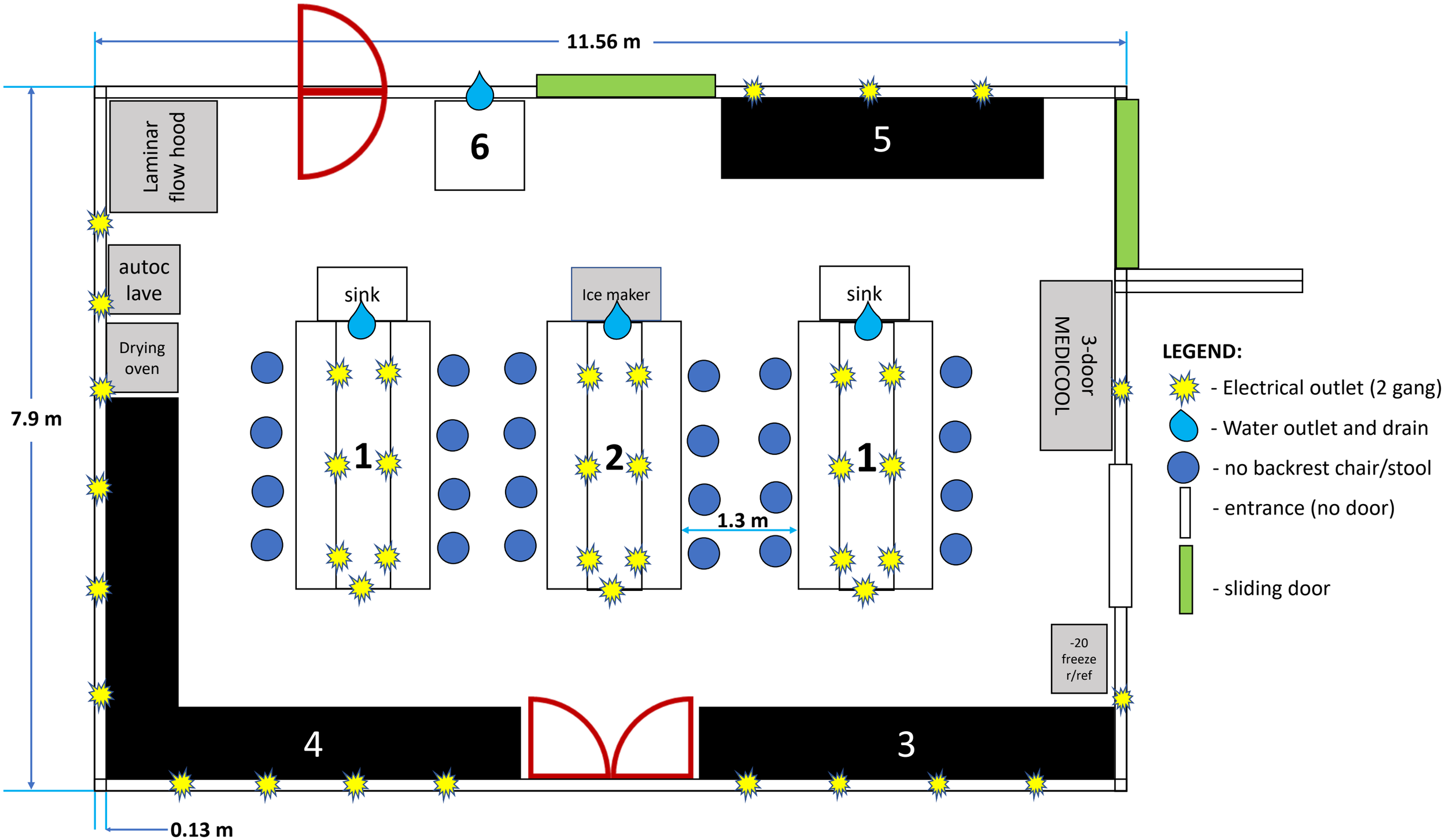
LABORATORY


47.01
4.45
15.33
4.10
5.43
5.50
7.80
4.30
2.05
5.78
5.78
3.78
2.00
2.10
2.75
2.75
3.70
0.60
39.24
14.80
1.00
5.40
6.40
2.00
1.60
2.50
3.80
2.10
3.00
8.00
5.00
4.45
1.50
0.60
1.73
0.60
GROWTH CHAMBER
AIRLOCK
STORAGE
H
DNA EXTRACTION AREA
MICRO AND VIRO LAB
WASH ROOM LAB EQUIP
G
E
FREEZER ROOM
D
PCR ROOM
C
HALLWAY
EXTRACTION (DNA/RNA) AND PCR PREP ROOM
PHENOTYPING ROOM
F
LOUNGE/ COFFEE AREA
A
B
UTILITY ROOM
H A L L W A Y
LOBBY
LABORATORY PORTION
21.57
5.70
0.60
3.06
0.60
3.06
0.60
2.99
1.20
4.85
2.79
1.32
3.20
3.20
5.00
14.06
7.61
4.19

GROUND FLOOR



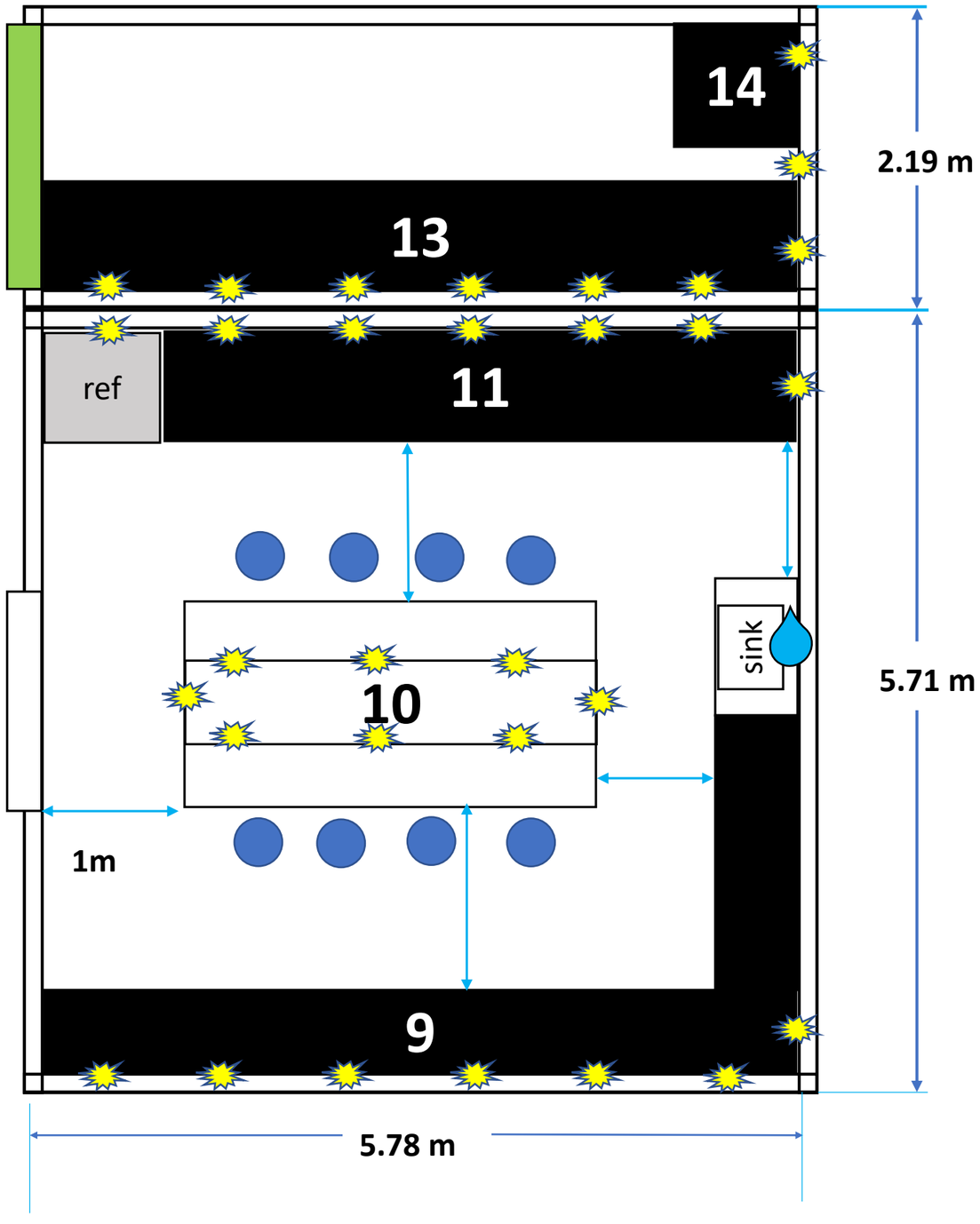
Ground Floor - PCR Prep Room



LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain
- no backrest chair/stool
- entrance (no door)
- sliding door

Ground Floor – PCR Room & Gel Doc Room



EQUIPMENT IN ROOM

- AGE
- PAGE
- GELDOC
- SONICATOR
- Heating plate
- Bottletop dispenser
- Benchtop ph meter

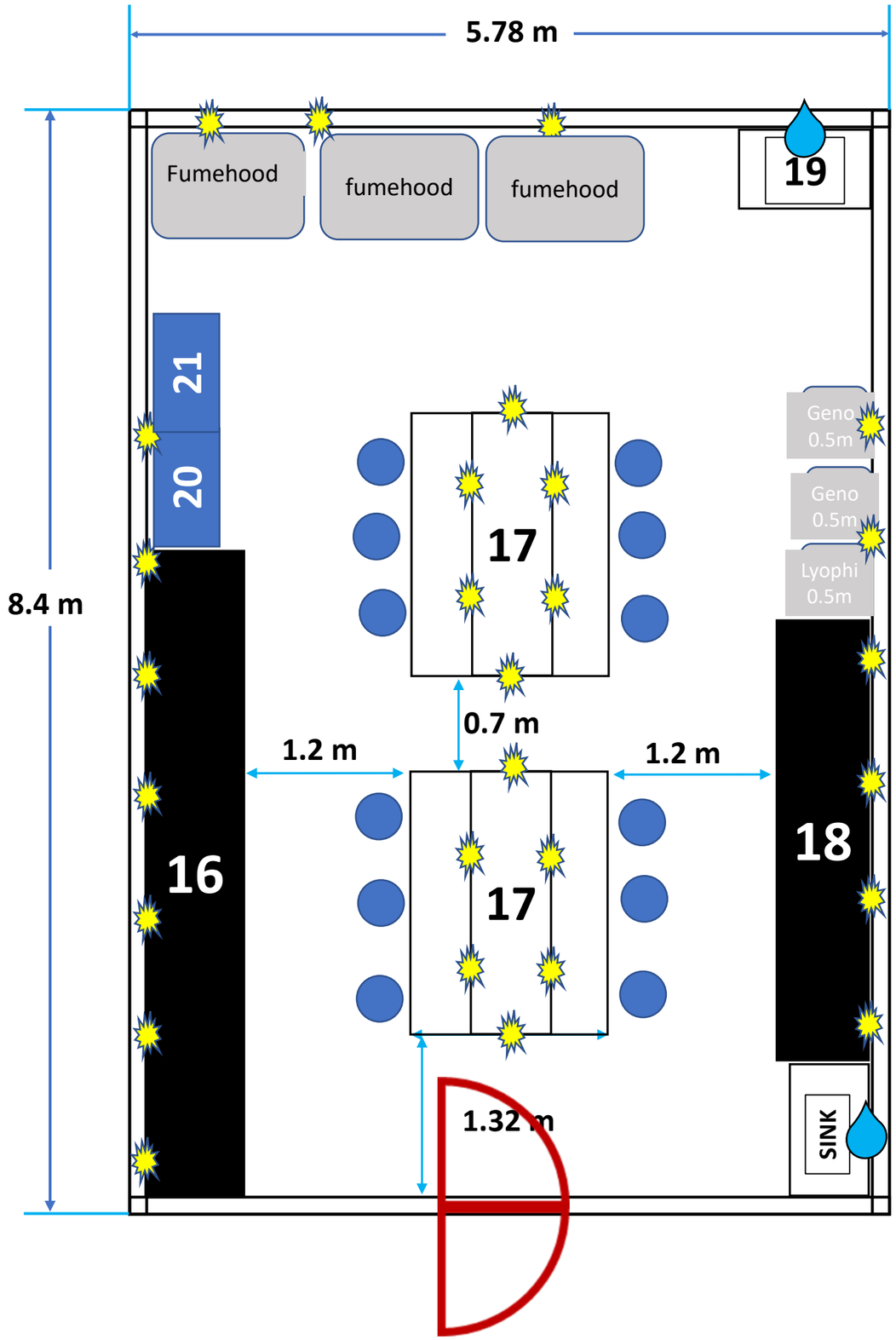
LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain
- no backrest chair/stool
- entrance (no door)
- sliding door

Other Notes:

- Wall – 0.13m thick (assuming)
- Electric outlets about 1m apart

Ground Floor – DNA Extraction Area



EQUIPMENT IN ROOM

- Fumehood - 2
- Lyophilizer - 2
- Genogrinder - 2
- Waterbath 2
- Microcentrifuge (2 refrigerated)
- Microcentrifuge (2 non-refrigerated)
- Vortex -3
- Thermomixer -1
- Rotary evaporator -1
- Bottletop dispenser, 0.2-2ml – 2
- BENCHTOP/mini microcentrifuge -2
- Vacuum concentrator 1

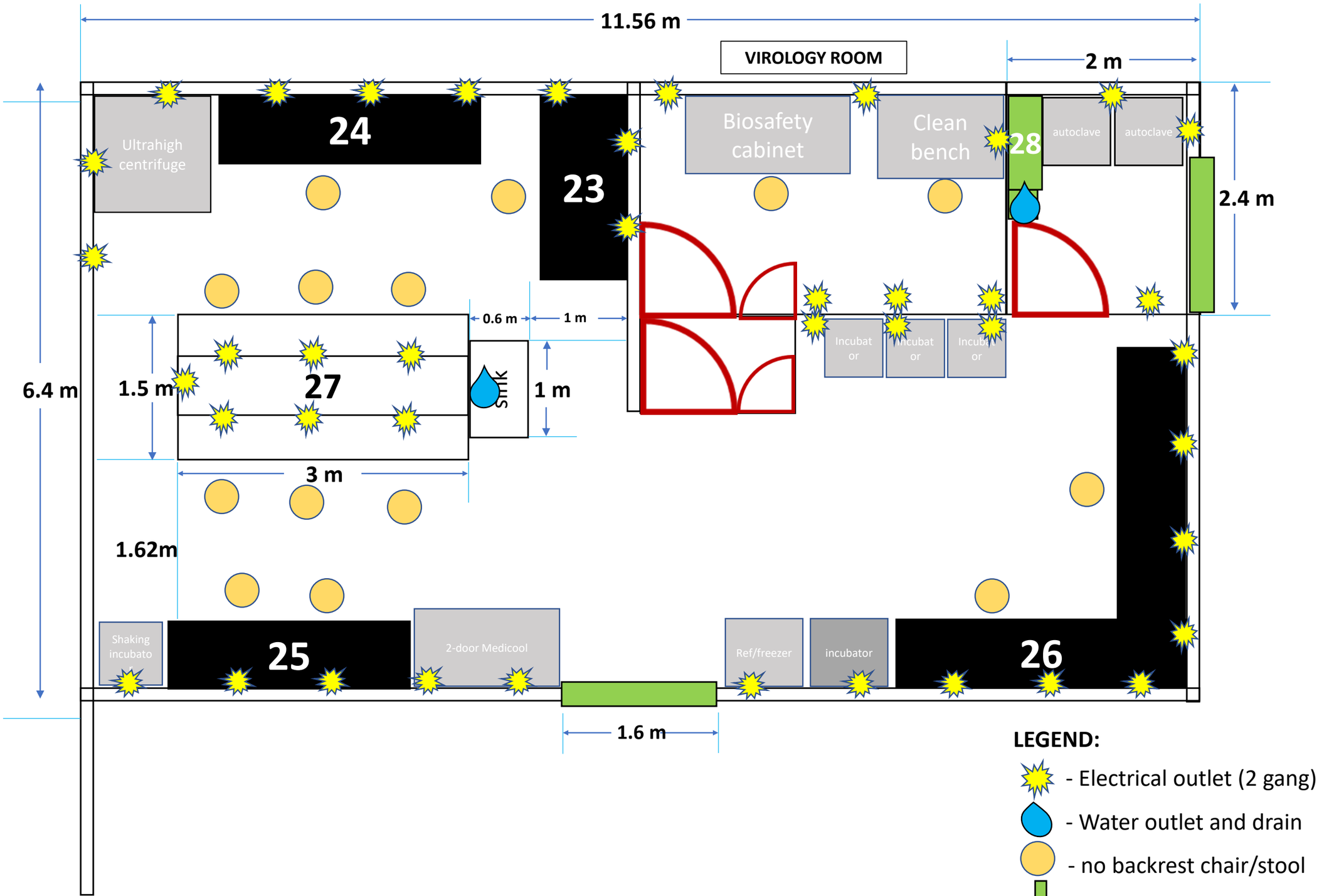
LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain
- no backrest chair/stool
- two-way swing door

Other Notes:

- Wall – 0.13m thick (assuming)
- Chemical storage cabinet – stores empty chemical bottles, working stock (chemicals),
  - 1 – irritants
  - 2 – corrosives
- Electric outlets about 1m apart

Proposed Ground Floor – Micro and Viro Lab



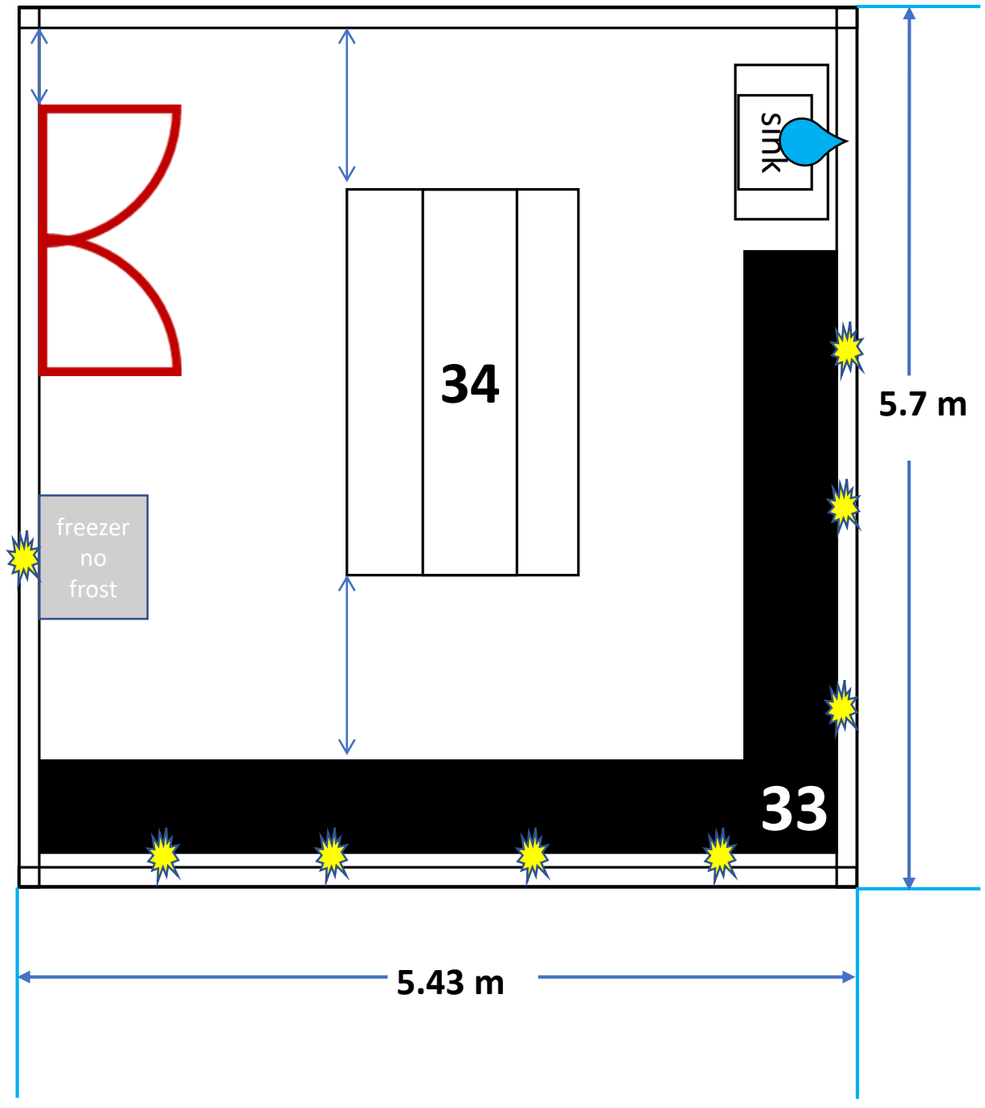
LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain
- no backrest chair/stool
- sliding door

Other Notes:

- Wall – 0.13m thick (assuming)
- Electric outlets about 1m apart

Ground Floor – Phenotyping Room



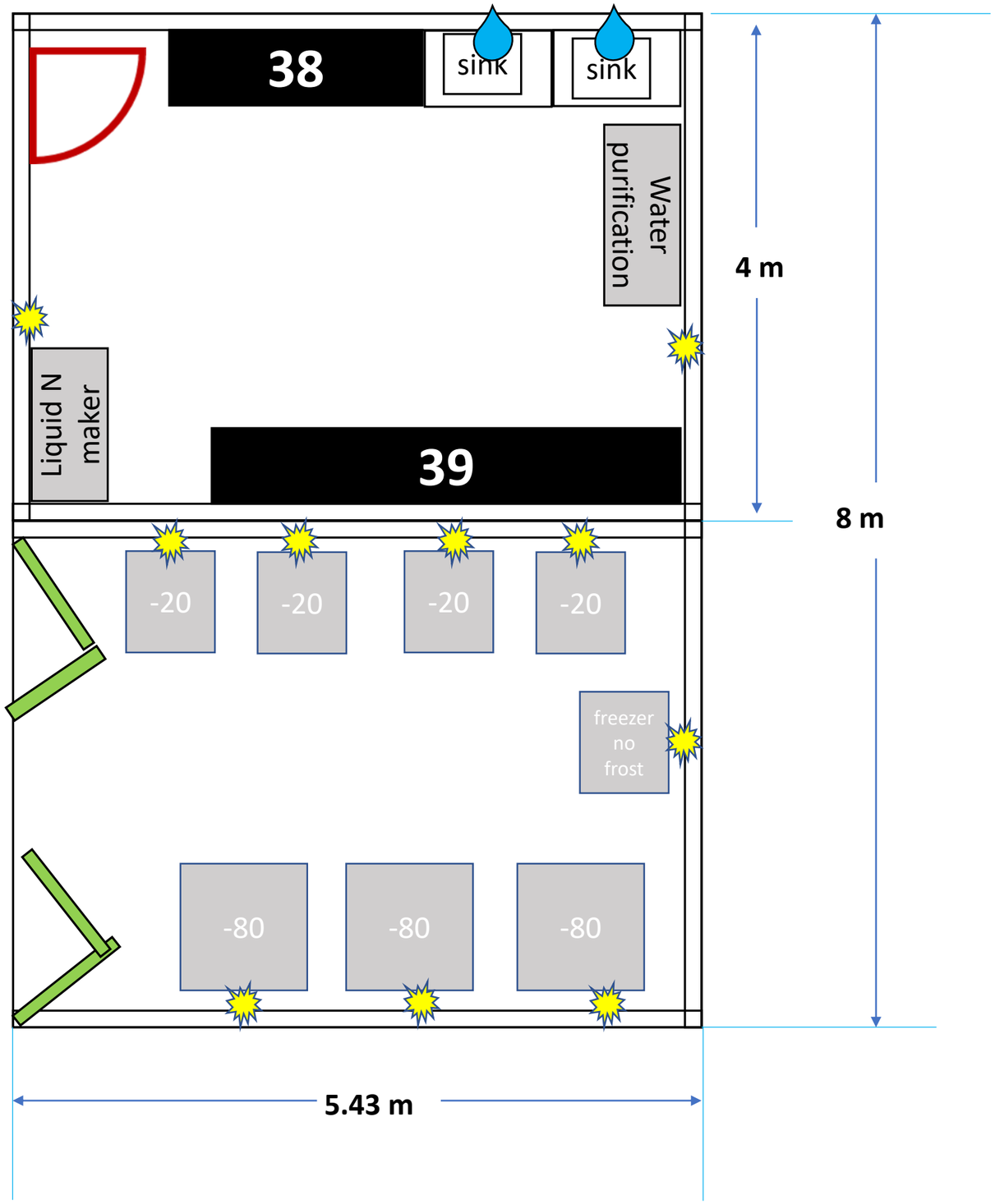
LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain

Other Notes:

- Wall – 0.13m thick (assuming)
- Electric outlets about 1m apart

Ground Floor – Wash Room and Freezer Room



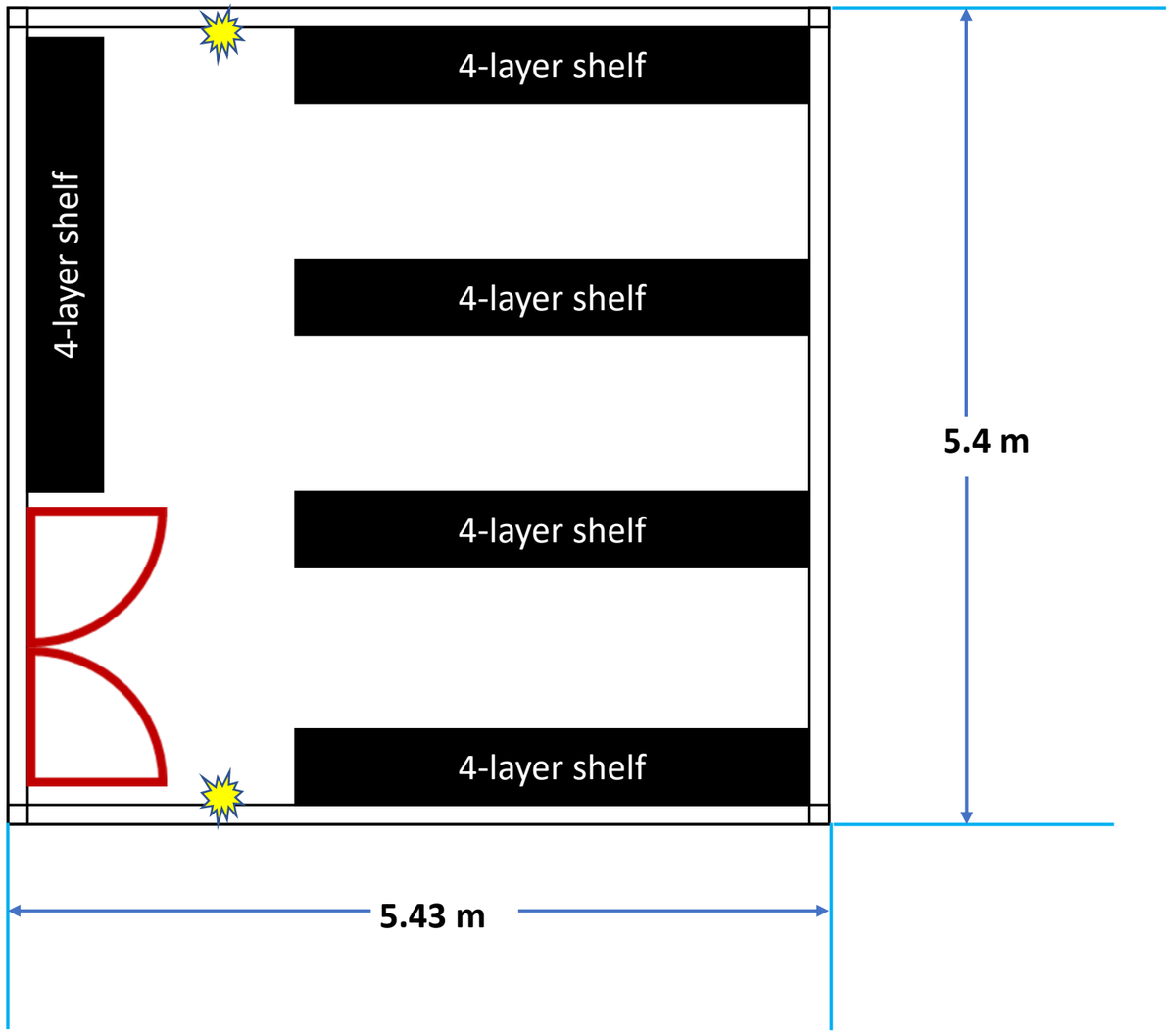
LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain

Other Notes:

- Room should have strong exhaust and good ventilation
- Room should have AC unit
- Wall – 0.13m thick (assuming)
- Electric outlets about 1m apart

Ground Floor – Storage

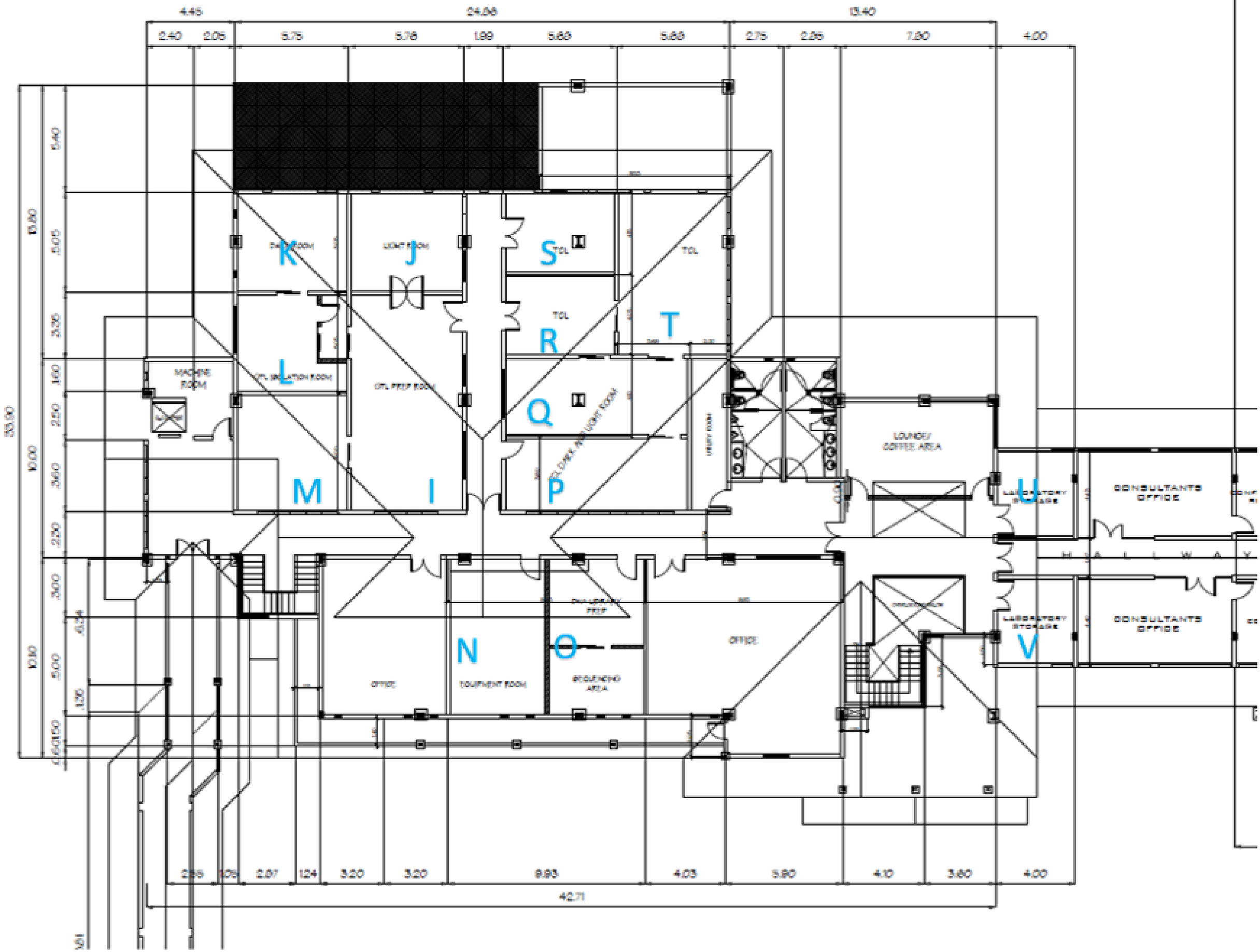


LEGEND:

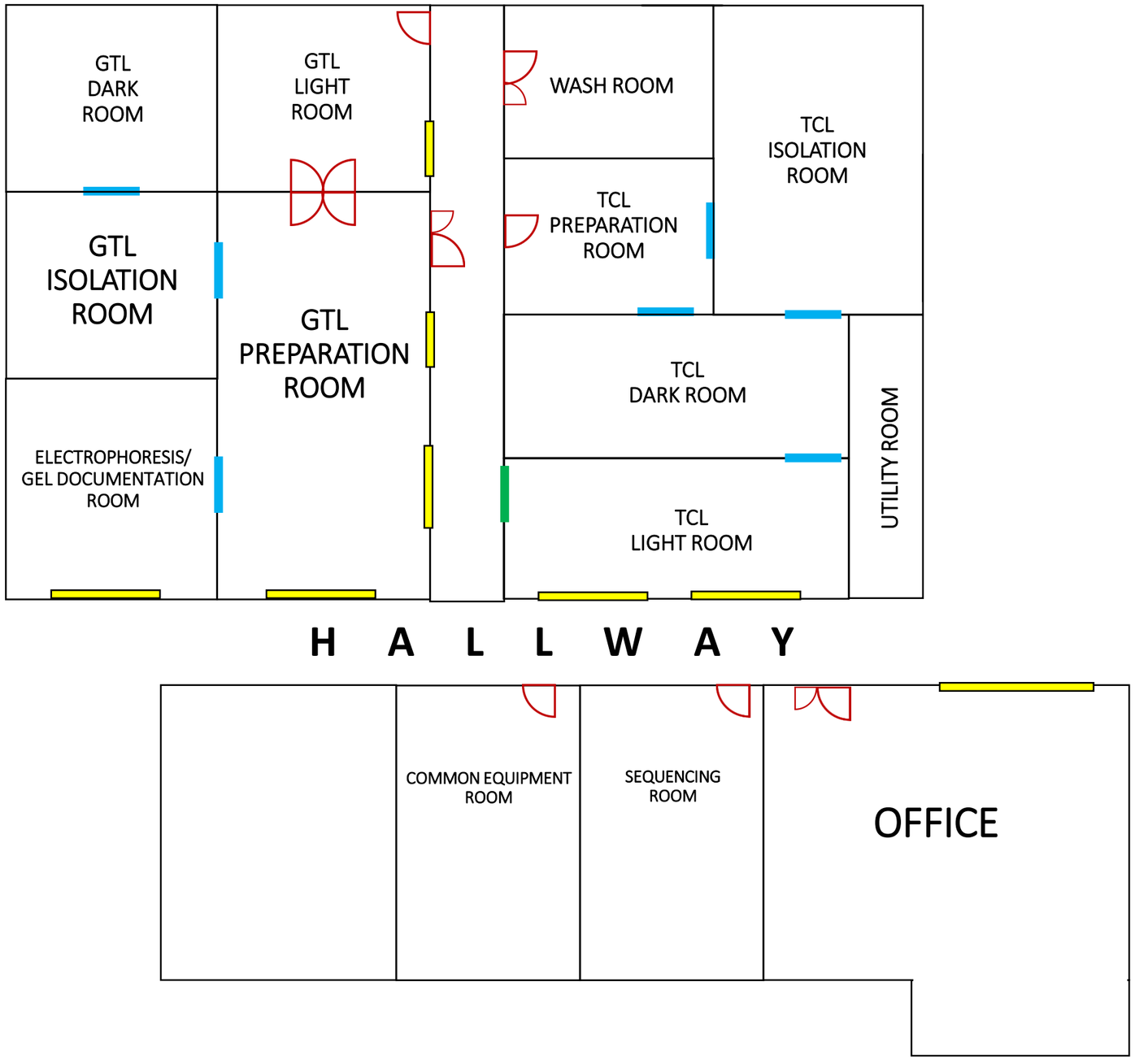
- Electrical outlet (2 gang)

Other Notes:

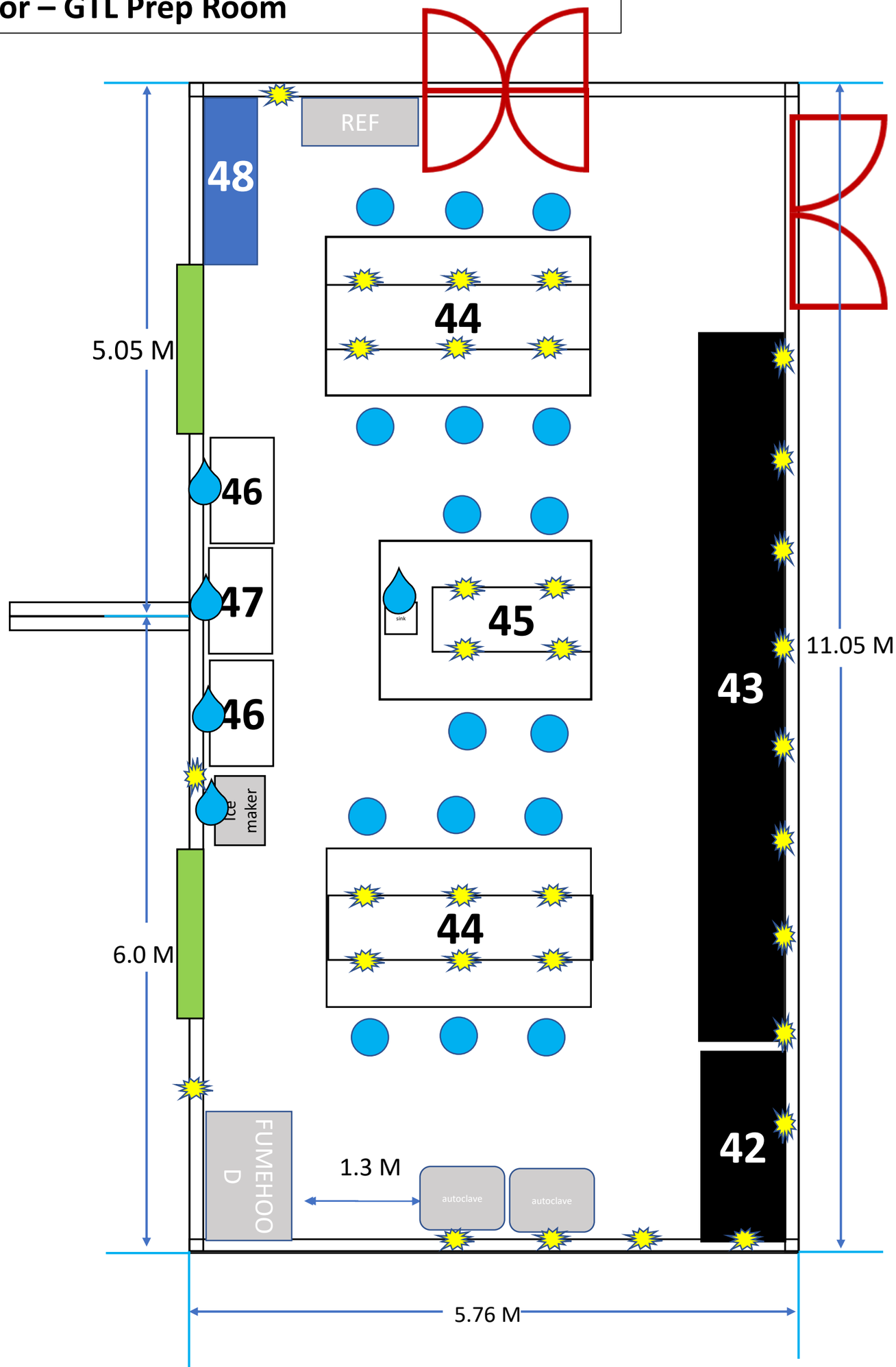
- Wall – 0.13m thick (assuming)


4.45
24.08
13.40
2.40
2.05
5.75
5.78
1.99
5.68
5.68
2.75
2.86
7.80
4.00
5.40
5.05
3.35
1.60
2.50
3.60
2.30
3.00
0.24
1.30
0.60
5.00
0.50
33.00
10.00
10.10
K
J
S
T
R
L
Q
M
I
P
N
O
U
V
TOL
MACHINE ROOM
LOUNGE/ COFFEE AREA
LABORATORY STORAGE
CONSULTANTS OFFICE
HALLWAY
OFFICE
EQUIPMENT ROOM
RECEPTIONIST AREA
2.85
1.05
2.87
1.24
3.20
3.20
9.83
4.03
5.90
4.10
3.60
4.00
42.71

SECOND FLOOR



Second Floor – GTL Prep Room



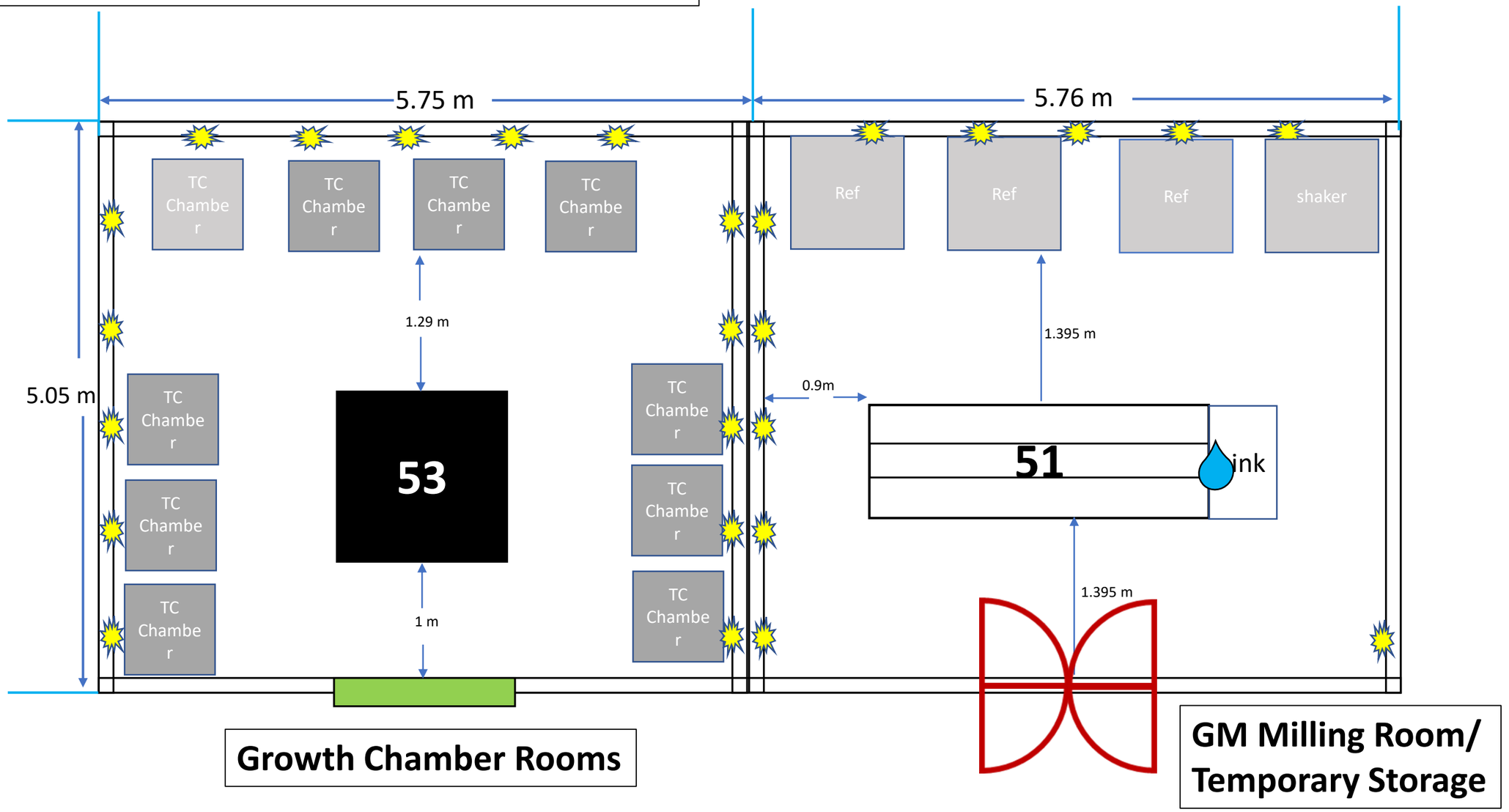
LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain
- no backrest chair/stool
- 2-way swing door

Other Notes:

- Wall – 0.13m thick (assuming)
- Electric outlets about 1m apart

Second Floor – GTL Dark and Light Room



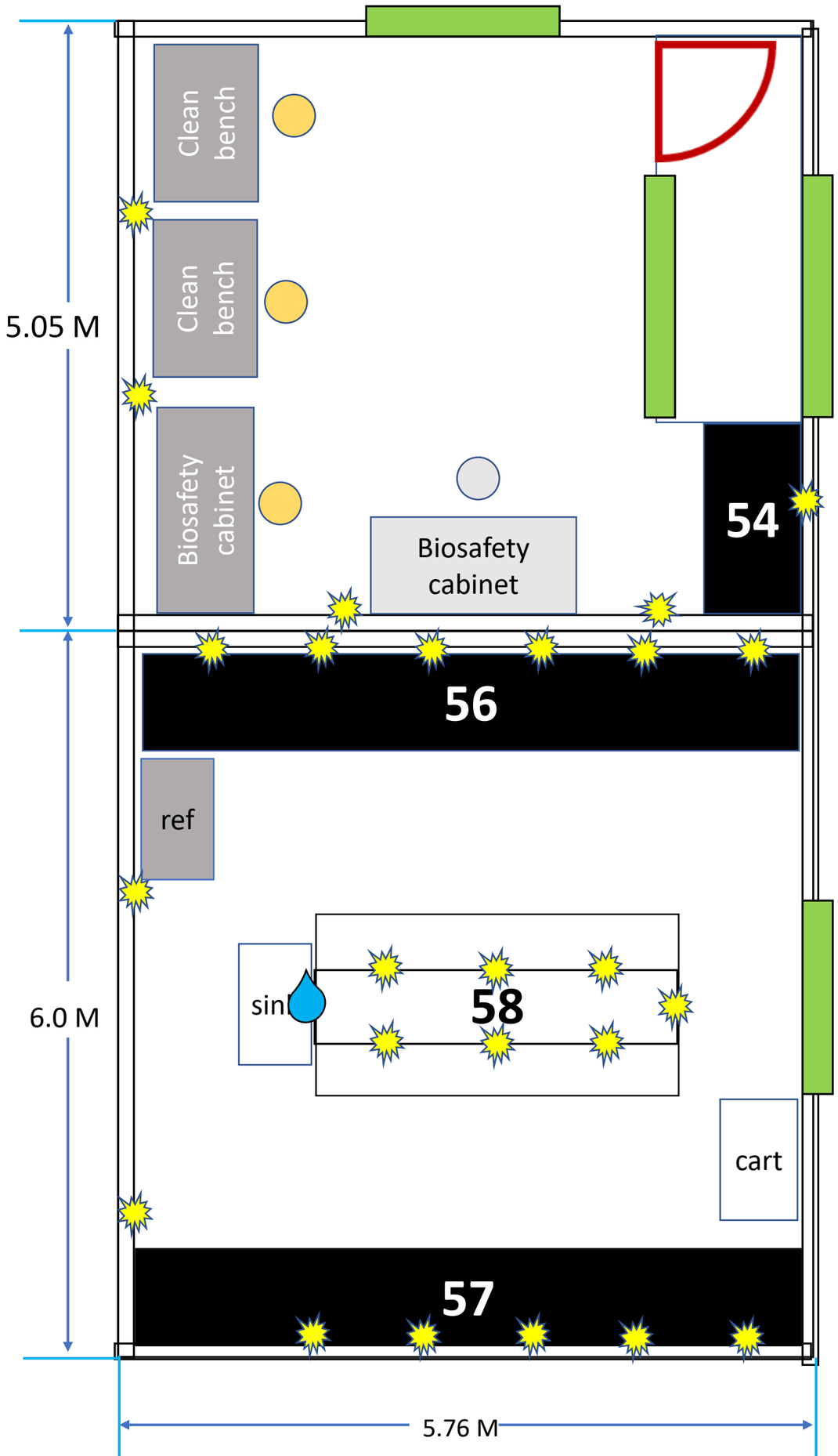
LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain
- no backrest chair/stool
- 2-way swing door

Other Notes:

- Wall – 0.13m thick (assuming)
- Electric outlets about 1m apart

Second Floor – GTL Isolation and Gel Doc Room



GTL Isolation Room

LEGEND:

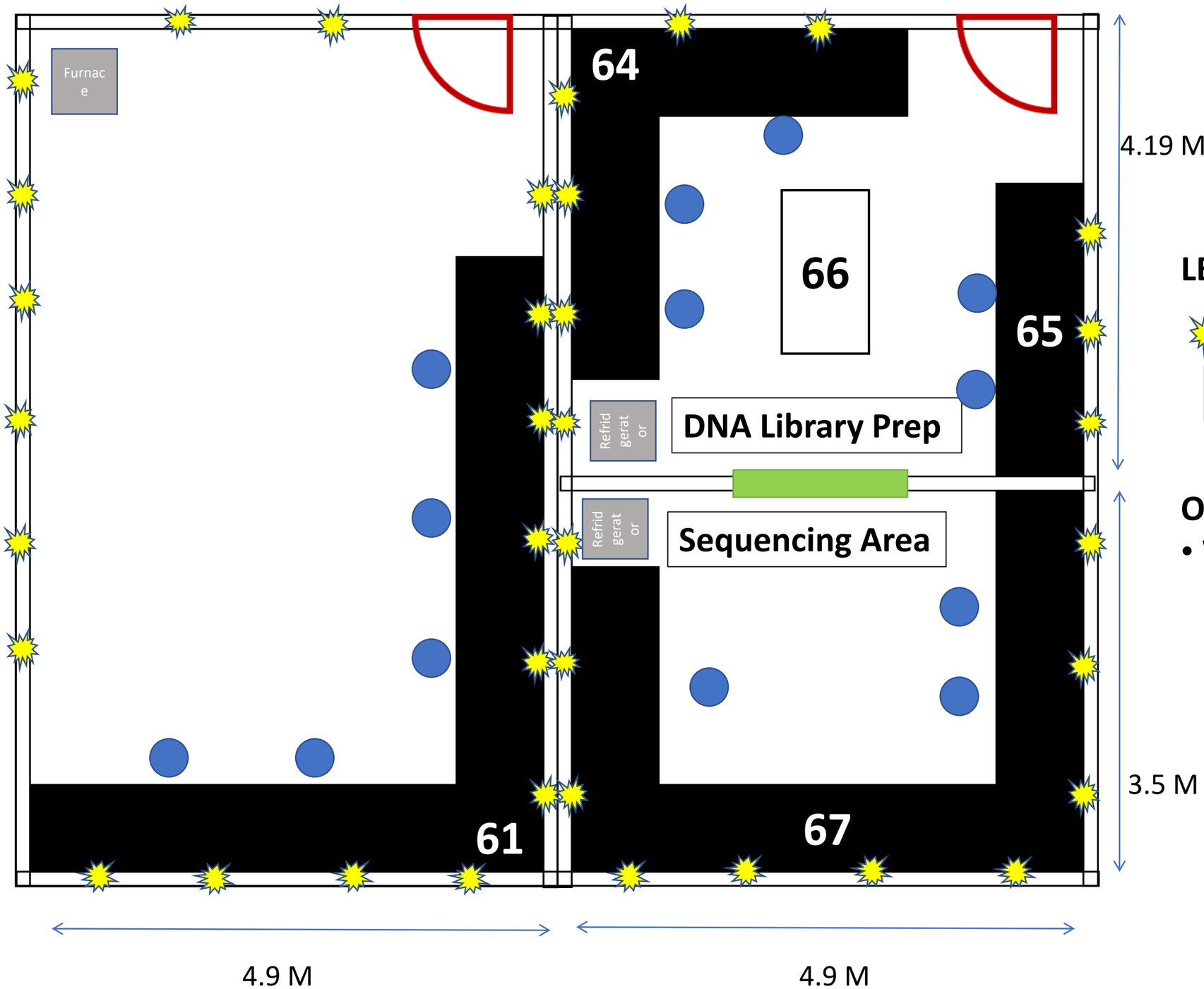
- Electrical outlet (2 gang)
- Water outlet and drain
- with backrest chair/stool

Other Notes:

- Wall – 0.13m thick (assuming)
- Electric outlets about 1m apart

GTL Gel Doc Room , PCR Prep, and Electrophoresis

Second Floor – Common Equipment Room and Sequencing Room



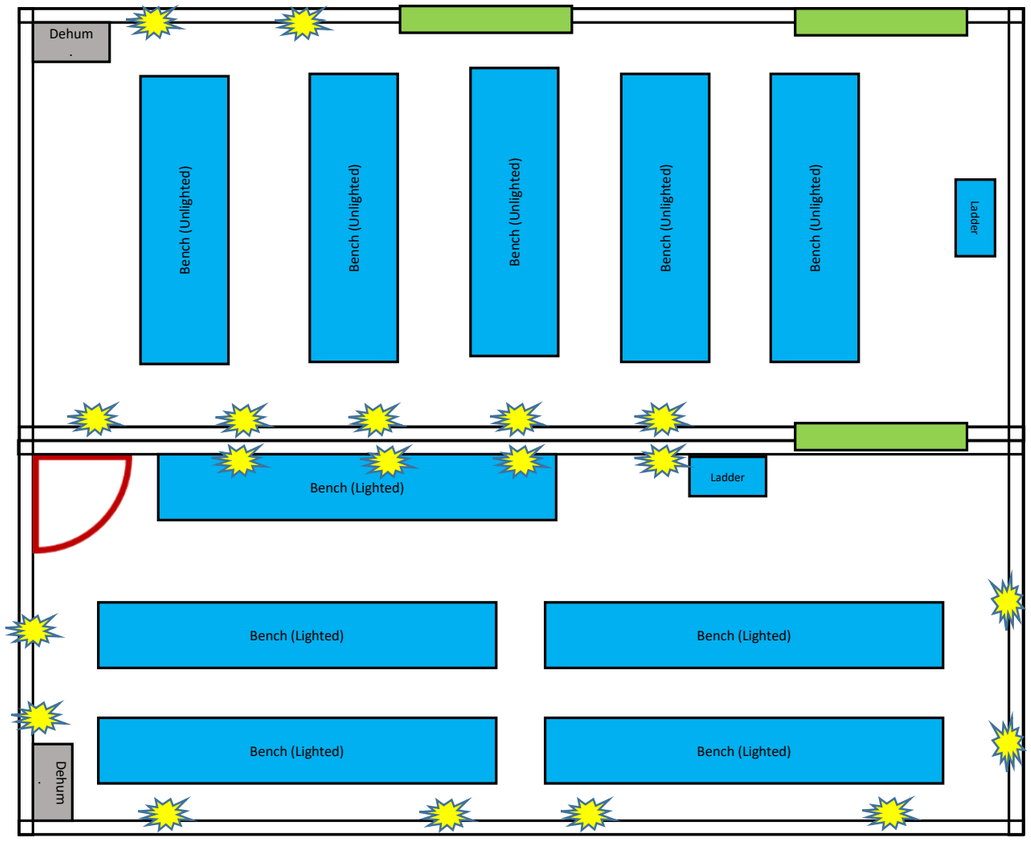
LEGEND:

- Electrical outlet (2 gang)
- sliding door

Other Notes:

- Wall – 0.13m thick (assuming)

Second Floor – TCL Dark Room and Light Room



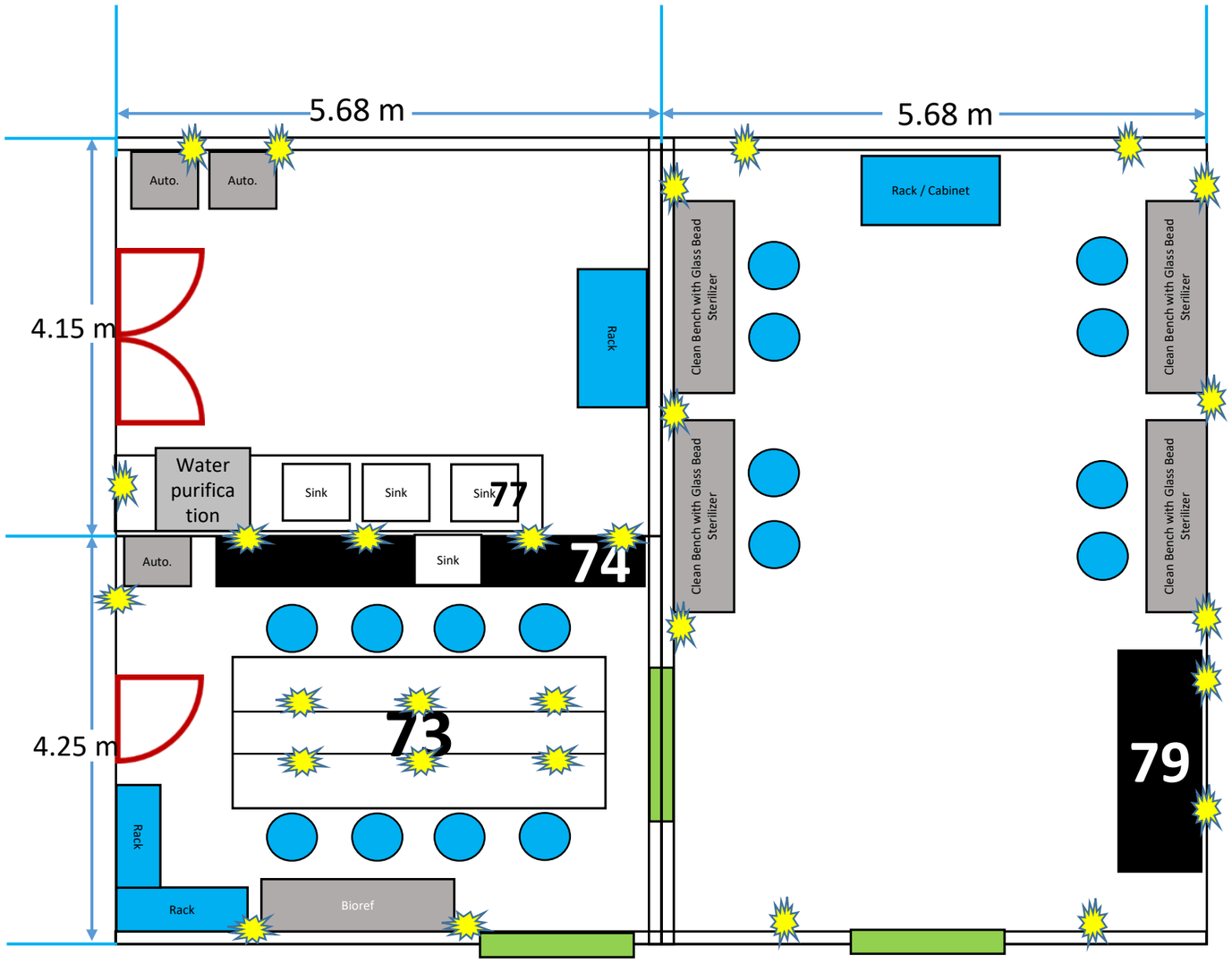
LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain
- sliding door

Other Notes:

- Wall – 0.13m thick (assuming)

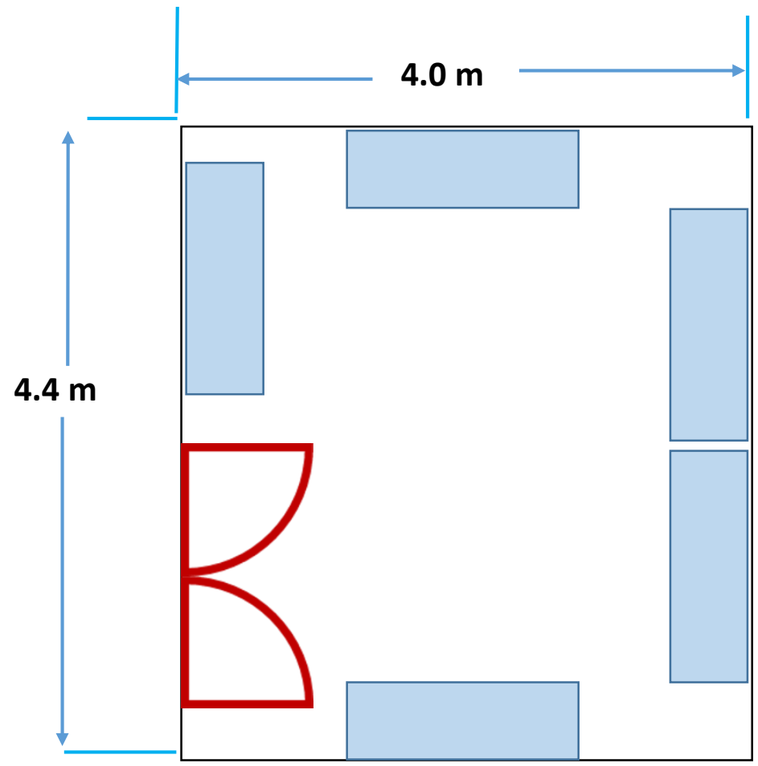
Second Floor – TCL



LEGEND:

- Electrical outlet (2 gang)
- Water outlet and drain
- no backrest chair/stool
- sliding door

Other Notes:

- Wall – 0.13m thick (assuming)

Laboratory Storage 2F