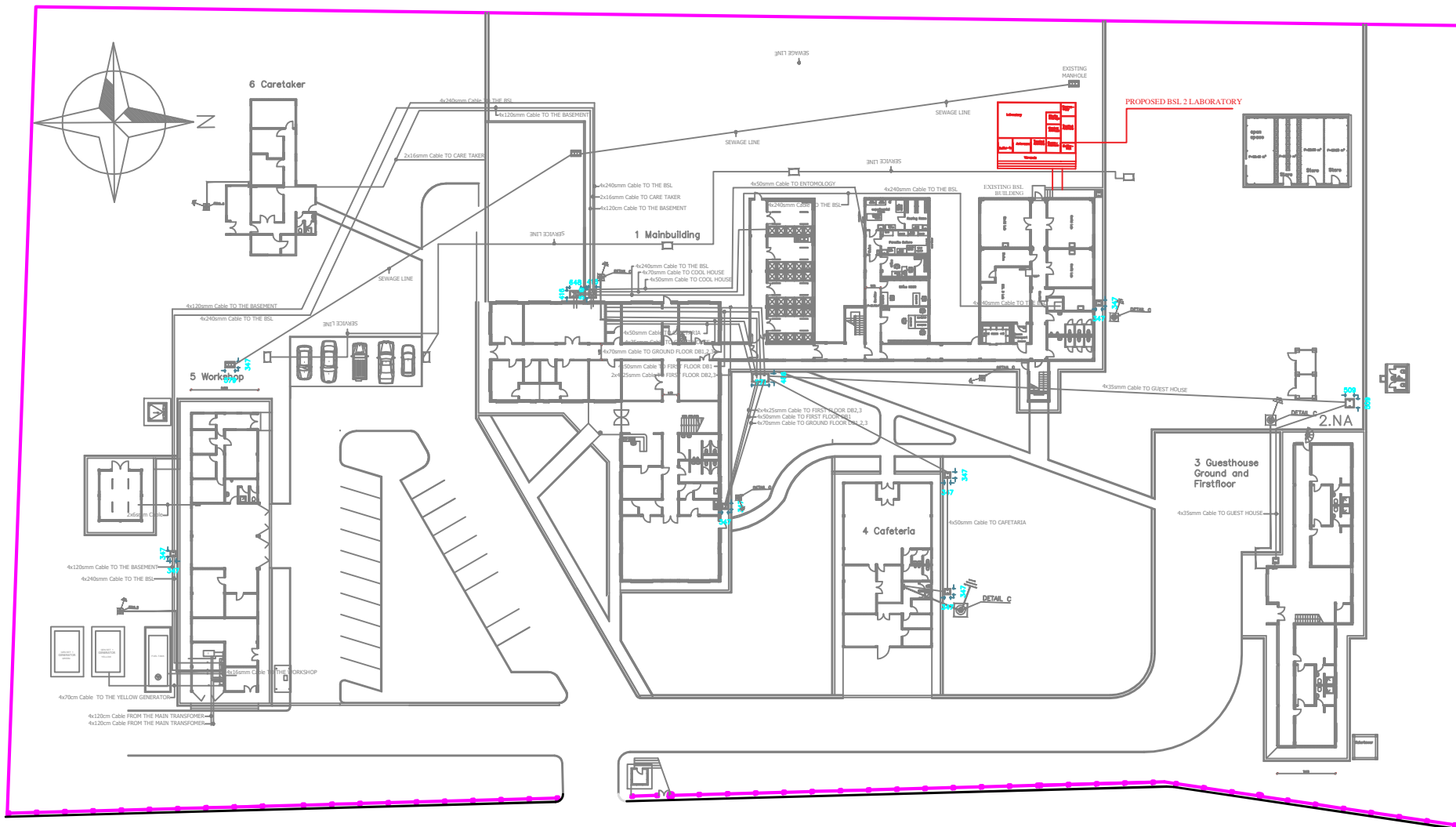
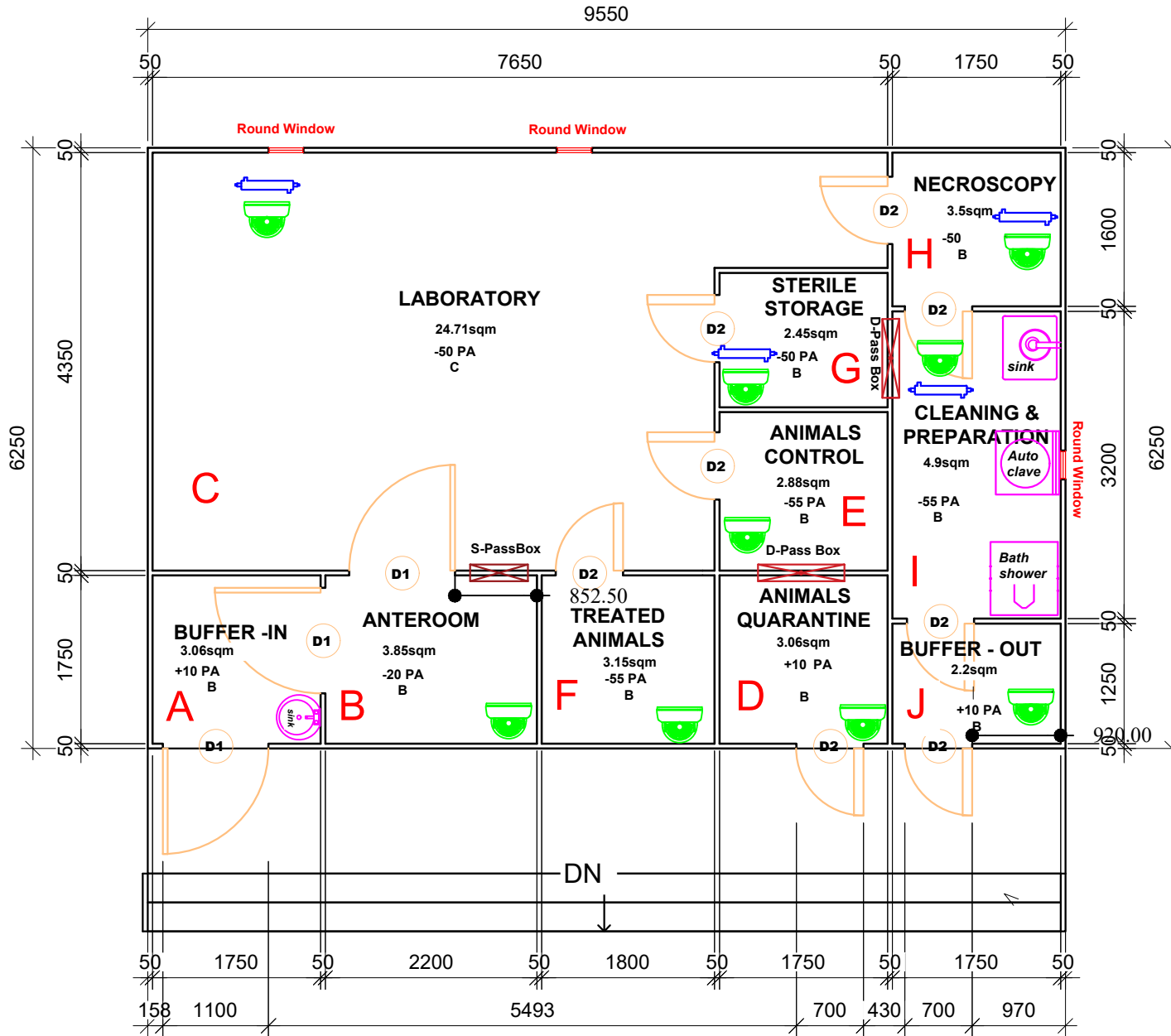


**FABRICATION OF A CERTIFIED TURNKEY ANIMAL BIOSAFETY
LEVEL 3 (ABSL-3) MODULAR LABORATORY
AT KCCR, KNUST – GHANA**

SECTION X – DRAWINGS



GENERAL LAYOUT OF KCCR



KUMASI CENTRE FOR COLLABORATIVE RESEARCH IN TROPICAL MEDICINE

NOTES



Ceiling UV disinfection Light



Camera



300mm diameter window



Dynamic-Passbox (45x45cm inner dimension)



Static-Passbox (45x45cm inner dimension)

PROJECT:

PROPOSED BIOSAFETY LEVEL 2 FACILITY KCCR

CLIENT:

KCCR

SHEET:

OVERVIEW

Project number: 010925

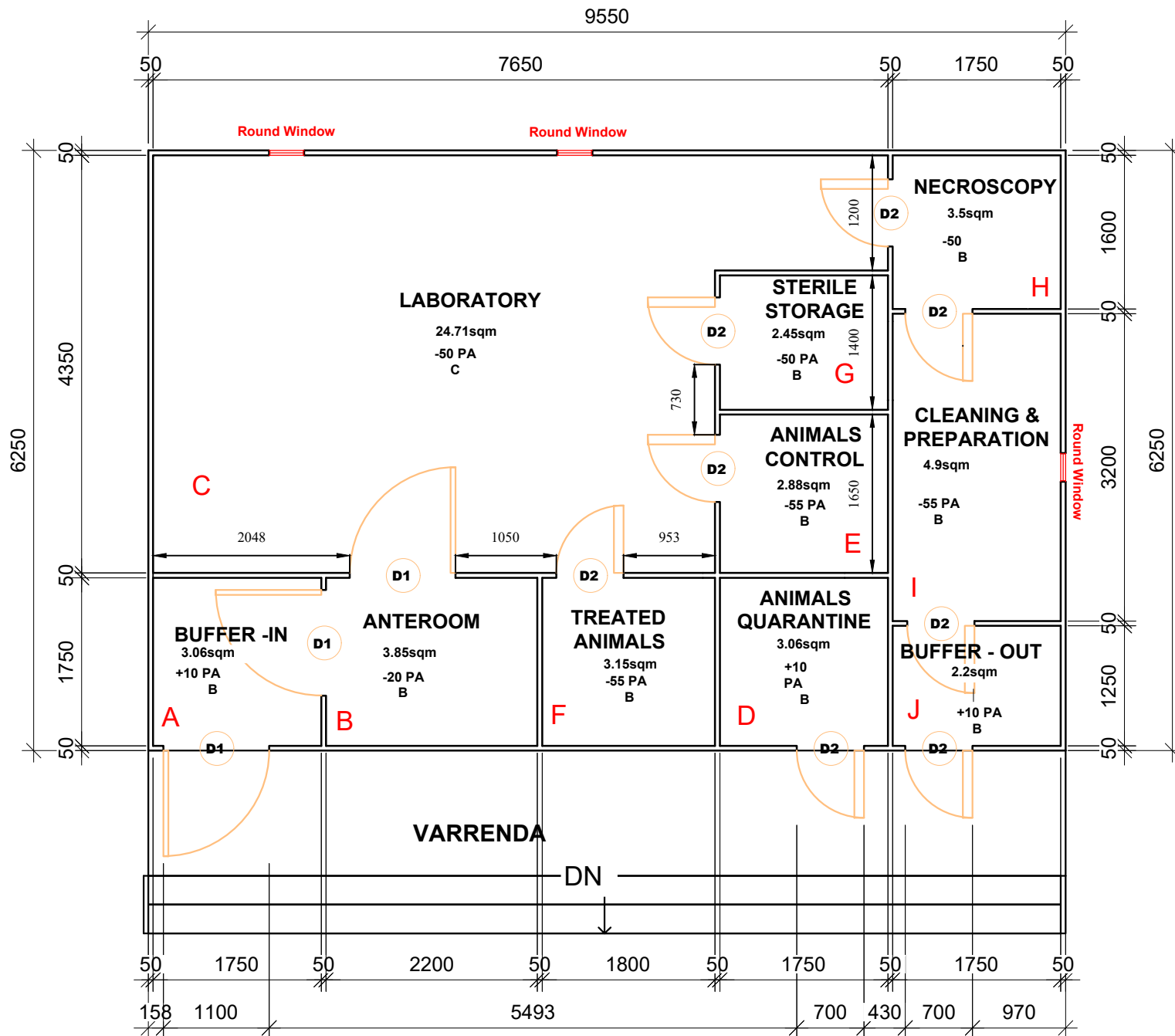
Date: 26.11.2025

Drawn by: FAUSTINA BOAKYEWAA

Design by: PROF. MASHAYEHI KAVEH

A102

Scale: 1:100



NOTES

PROJECT:
PROPOSED BIOSAFETY LEVEL 2
FACILITY KCCR

CLIENT:
KCCR

SHEET:
FLOOR PLAN

Project number: 010925

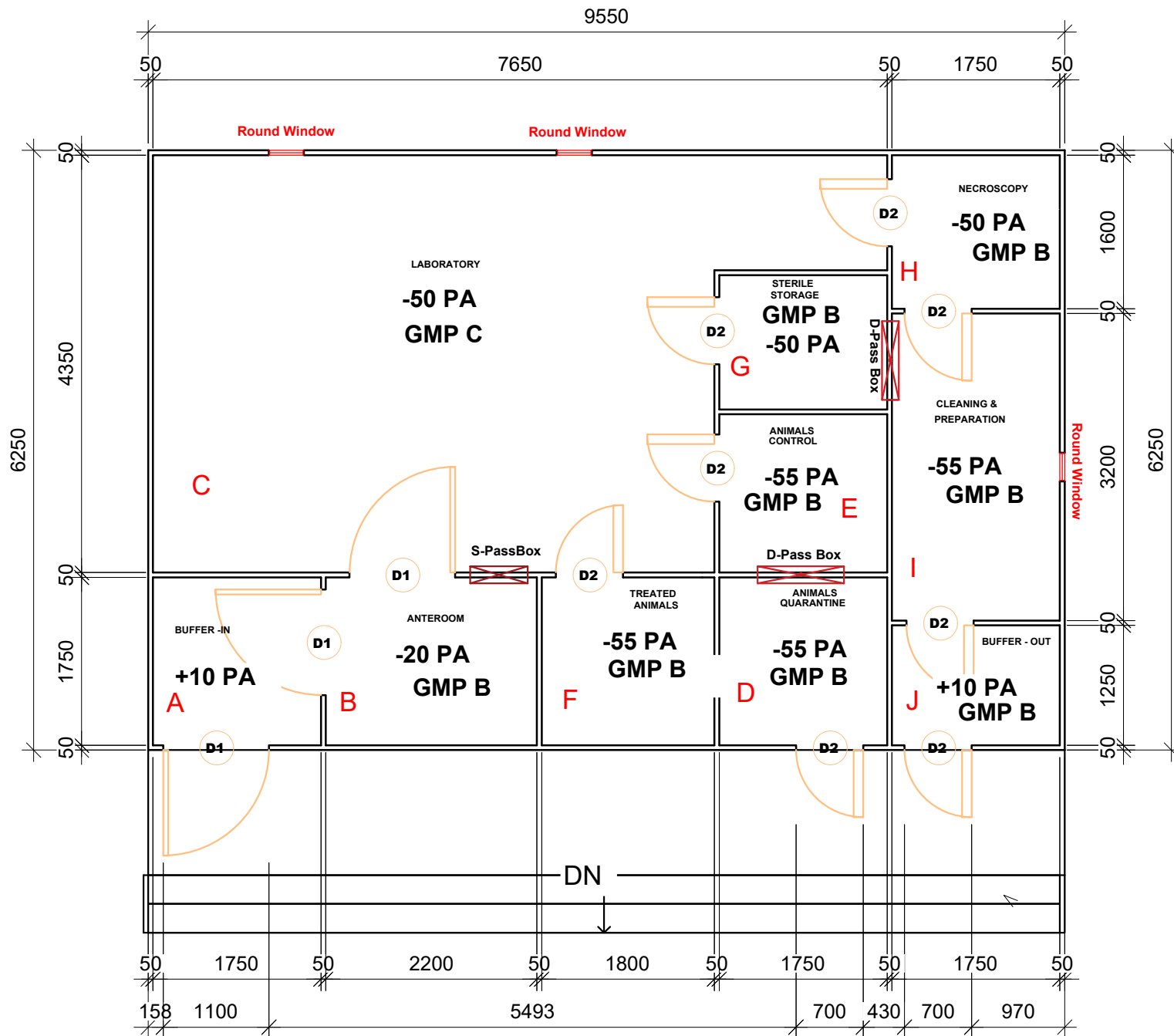
Date: 26.11.2025

Drawn by: FAUSTINA BOAKYEWAA

Design by: PROF. MASHAYEHI KAVEH

A103

Scale: 1:100



NOTES

PROJECT:

PROPOSED BIOSAFETY LEVEL 2 FACILITY KCCR

CLIENT:

KCCR

SHEET:

ROOM PRESSURE & GMP CLASS

Project number: 010925

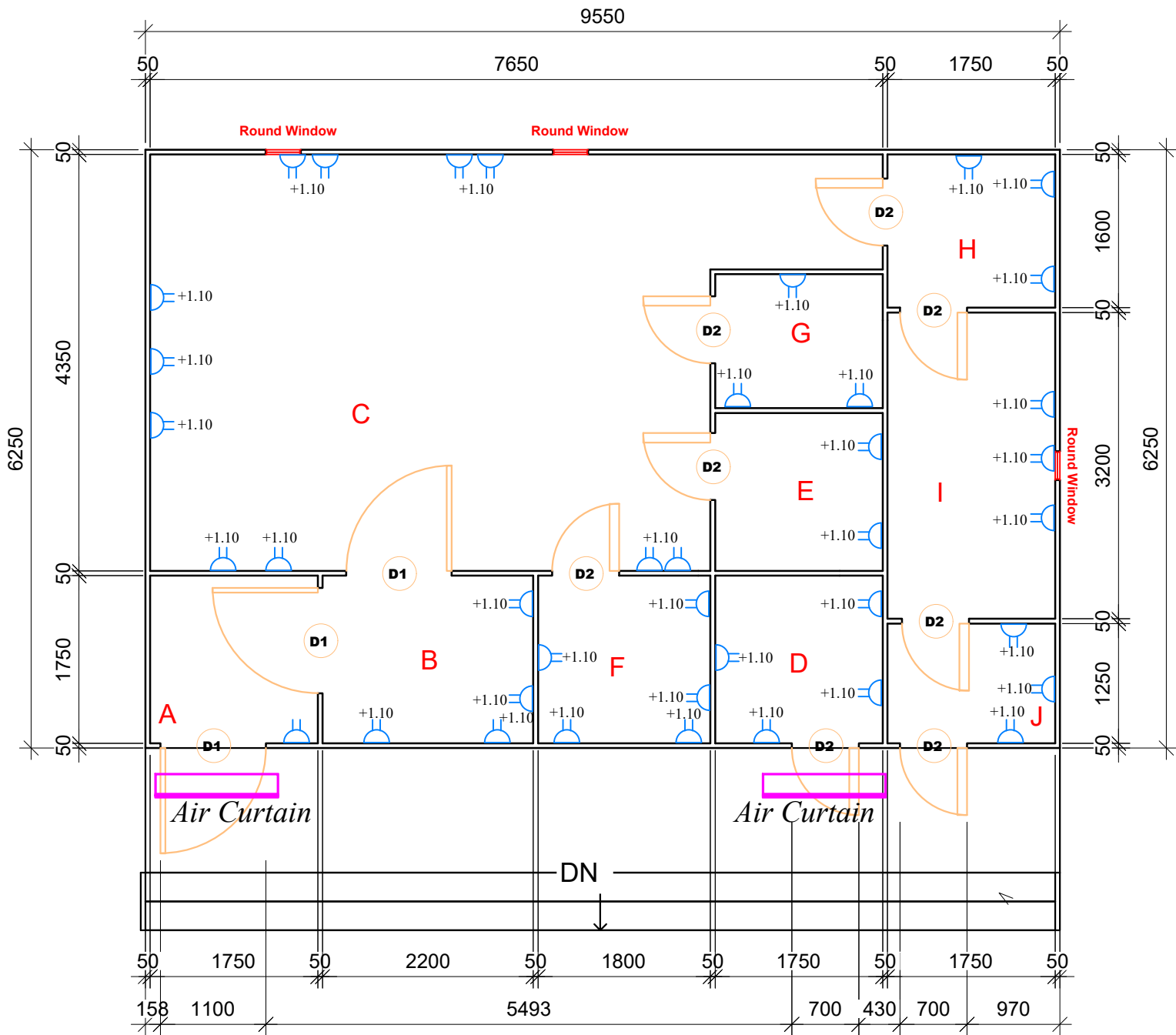
Date: 26.11.2025

Drawn by: FAUSTINA BOAKYEWAA

Design by: PROF. MASHAYEHI KAVEH

A104

Scale: 1:100



NOTES

1. *Wall/Ceiling Hang Air Curtain*
2. *Sockets must be 1.1m above the floor level*

PROJECT:
PROPOSED BIOSAFETY LEVEL 2 FACILITY KCCR

CLIENT:
KCCR

SHEET:
SOCKETS & AIR CURTAIN LAYOUT

Project number: 010925

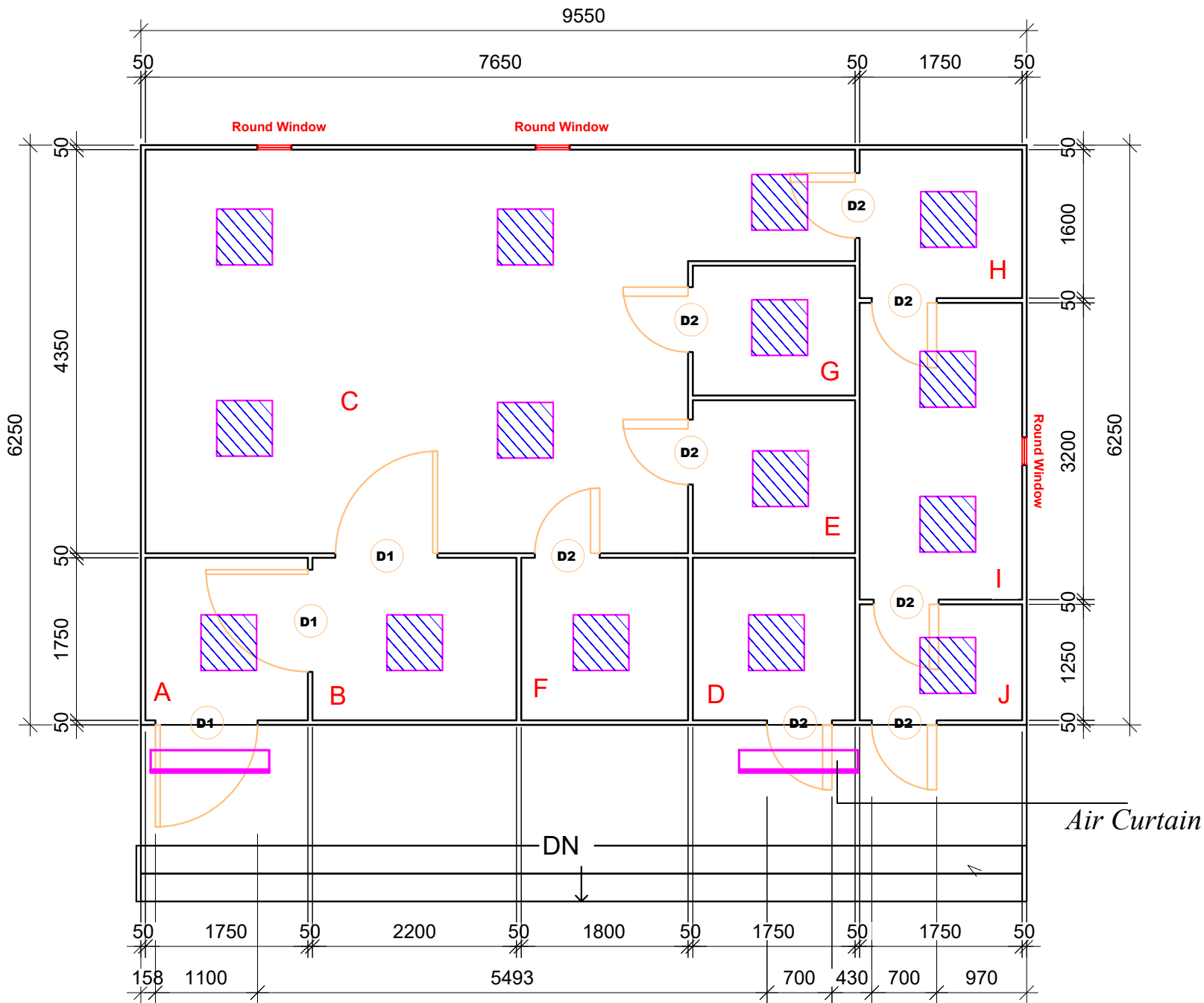
Date: 26.11.2025

Drawn by: FAUSTINA BOAKYEWAA

Design by: PROF. MASHAYEHI KAVEH

A106

Scale: 1:100



NOTES



1. 60x60cm cleanroom-rated LED light

PROJECT:
**PROPOSED BIOSAFETY LEVEL 2
FACILITY KCCR**

CLIENT:
KCCR

SHEET:
**LIGHTING
LAYOUT**

Project number: 010925

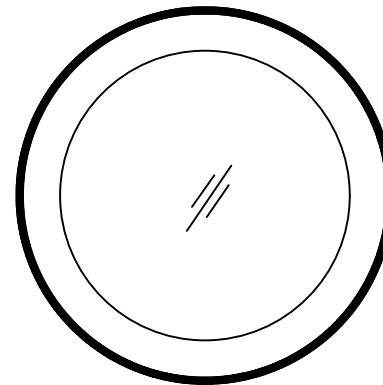
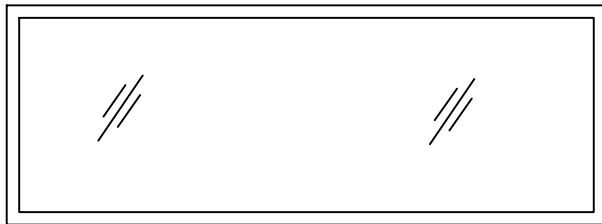
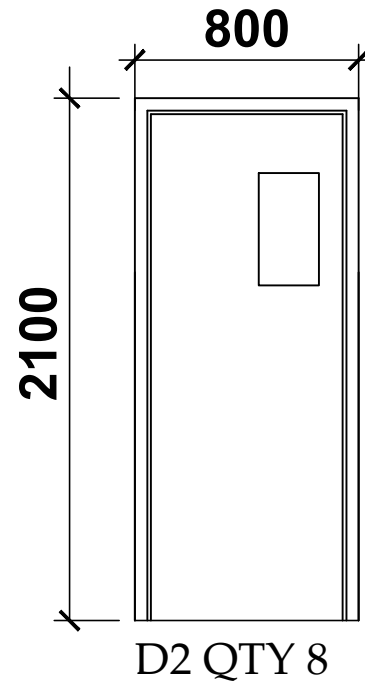
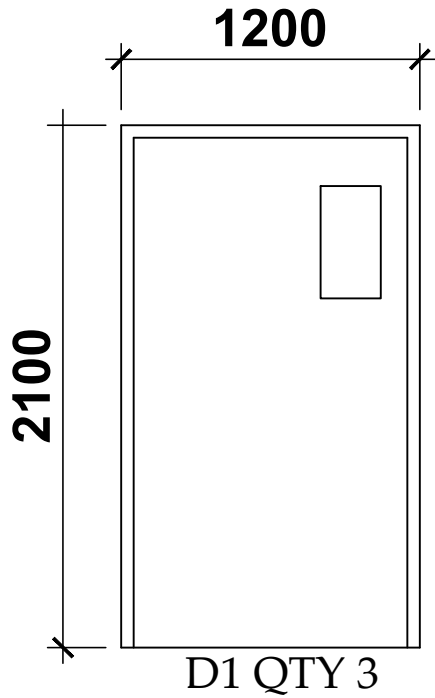
Date: 26.11.2025

Drawn by: FAUSTINA BOAKYEWAA

Design by: PROF. MASHAYEHI KAVEH

A107

Scale: 1:100



Minor new legging

KUMASI CENTRE FOR COLLABORATIVE
RESEARCH IN TROPICAL MEDICINE

NOTES

1. Door dimensions includes the frame

PROJECT:

**PROPOSED BIOSAFETY LEVEL 2
FACILITY KCCR**

CLIENT:

KCCR

SHEET:

**DOORS & WINDOWS
SCHEDULE**

Project number:

010925

Date:

26.11.2025

Drawn by:

FAUSTINA BOAKYEWAA

Design by:

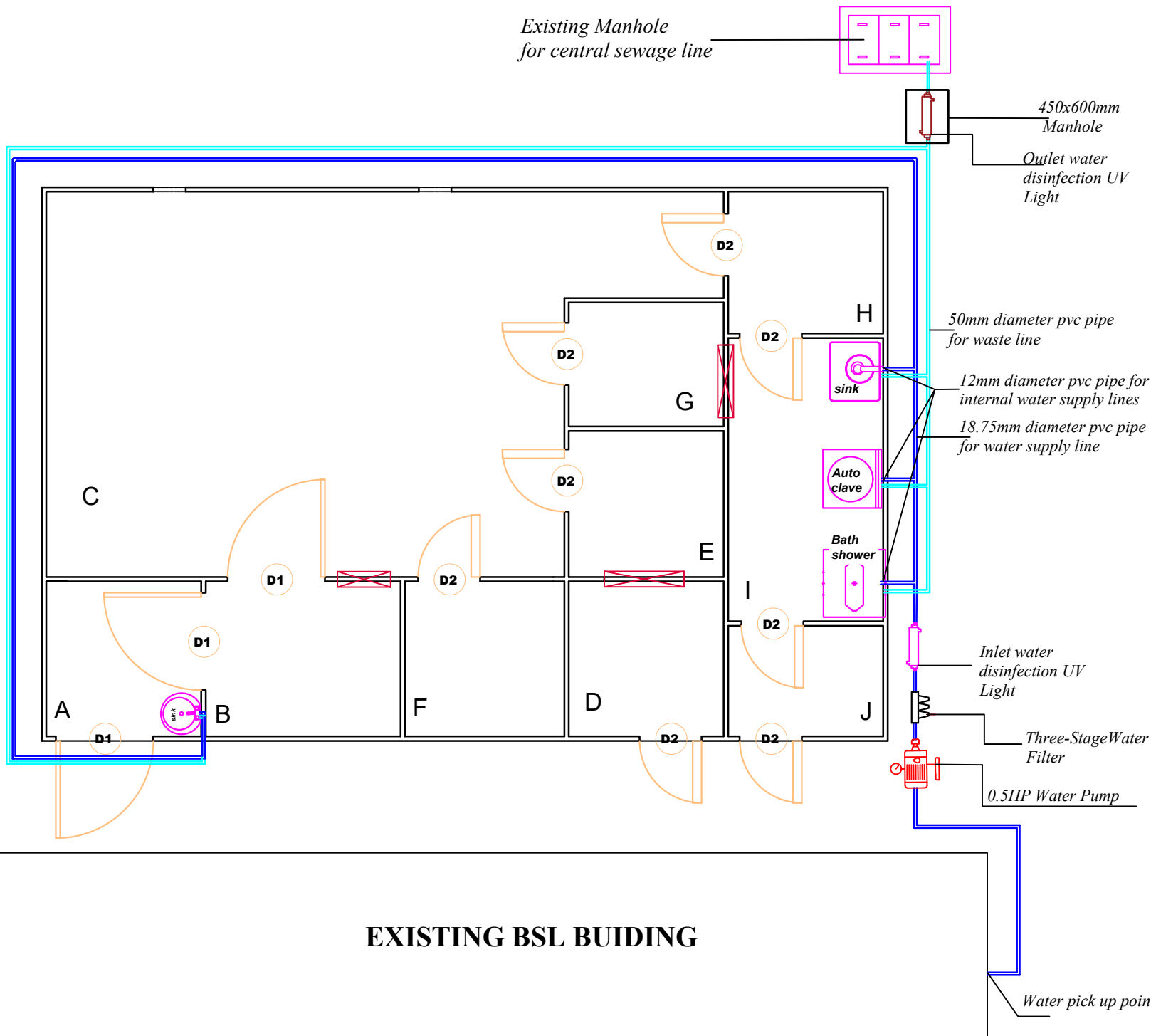
PROF. MASHAYEHI KAVEH

A108

Scale:

1:100

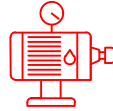
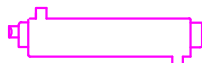


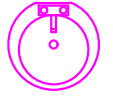
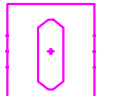
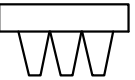
Existing Manhole
for central sewage line



EXISTING BSL BUILDING

KUMASI CENTRE FOR COLLABORATIVE
RESEARCH IN TROPICAL MEDICINE

NOTES

		
0.5HP Water Pump	Inlet water disinfection UV Light	
		
Outlet water disinfection UV Light	700x450mm Lab sink	
		
450mm diameter Wash Hand Basin	Bath Shower	Three-Stage Water Filter

PROJECT:

**PROPOSED BIOSAFETY LEVEL 2
FACILITY KCCR**

CLIENT:

KCCR

SHEET:
PLUMBING LAYOUT

Project number: 010925

Date: 26.11.2025

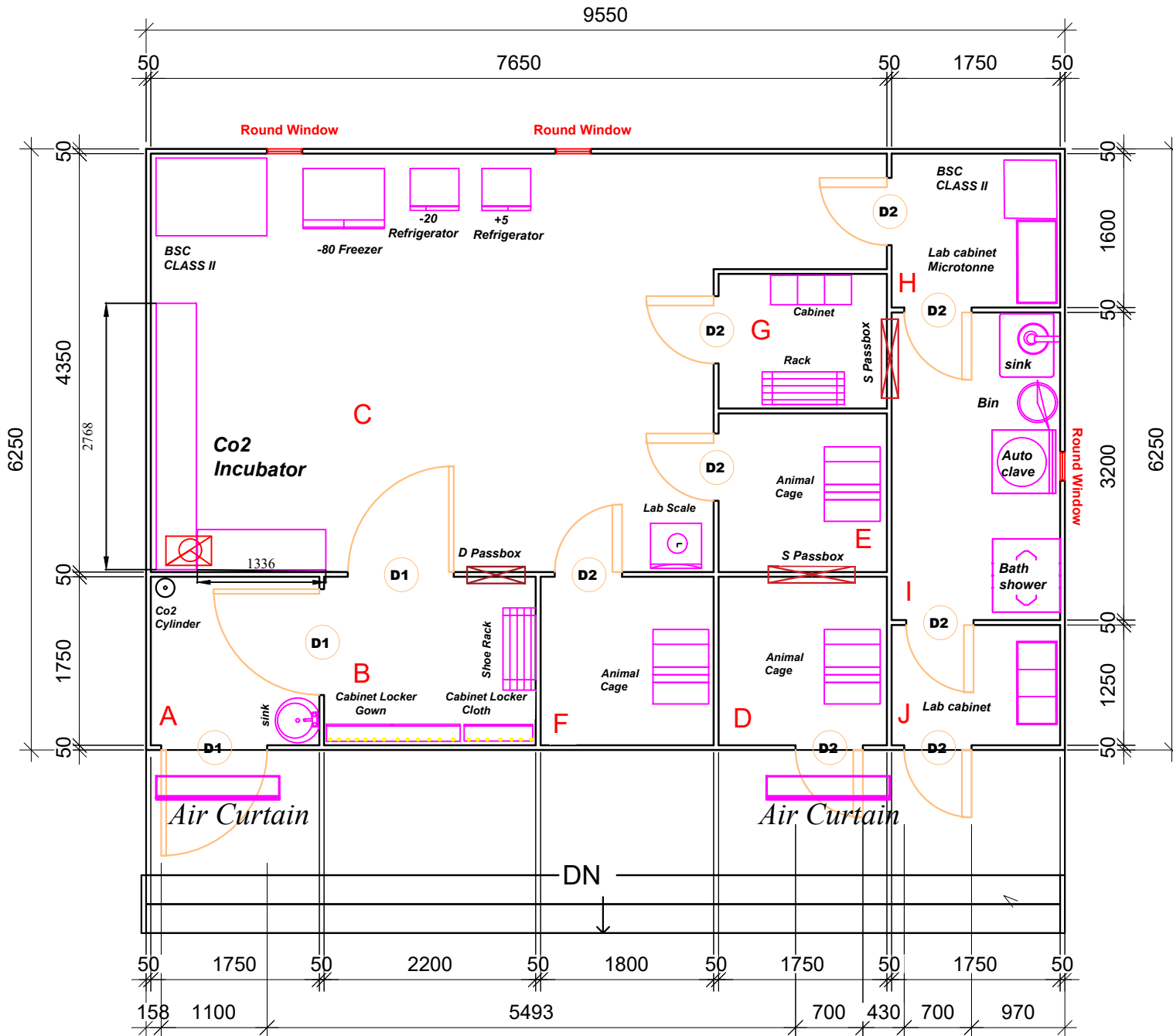
Drawn by: FAUSTINA BOAKYEWAA

Design by: PROF. MASHAYEHI KAVEH

A109

Scale: 1:100

NOTES



PROJECT:

PROPOSED BIOSAFETY LEVEL 2
FACILITY KCCR

CLIENT:

KCCR

SHEET:

**INSTRUMENTS
LAYOUT**

Project number: 010925

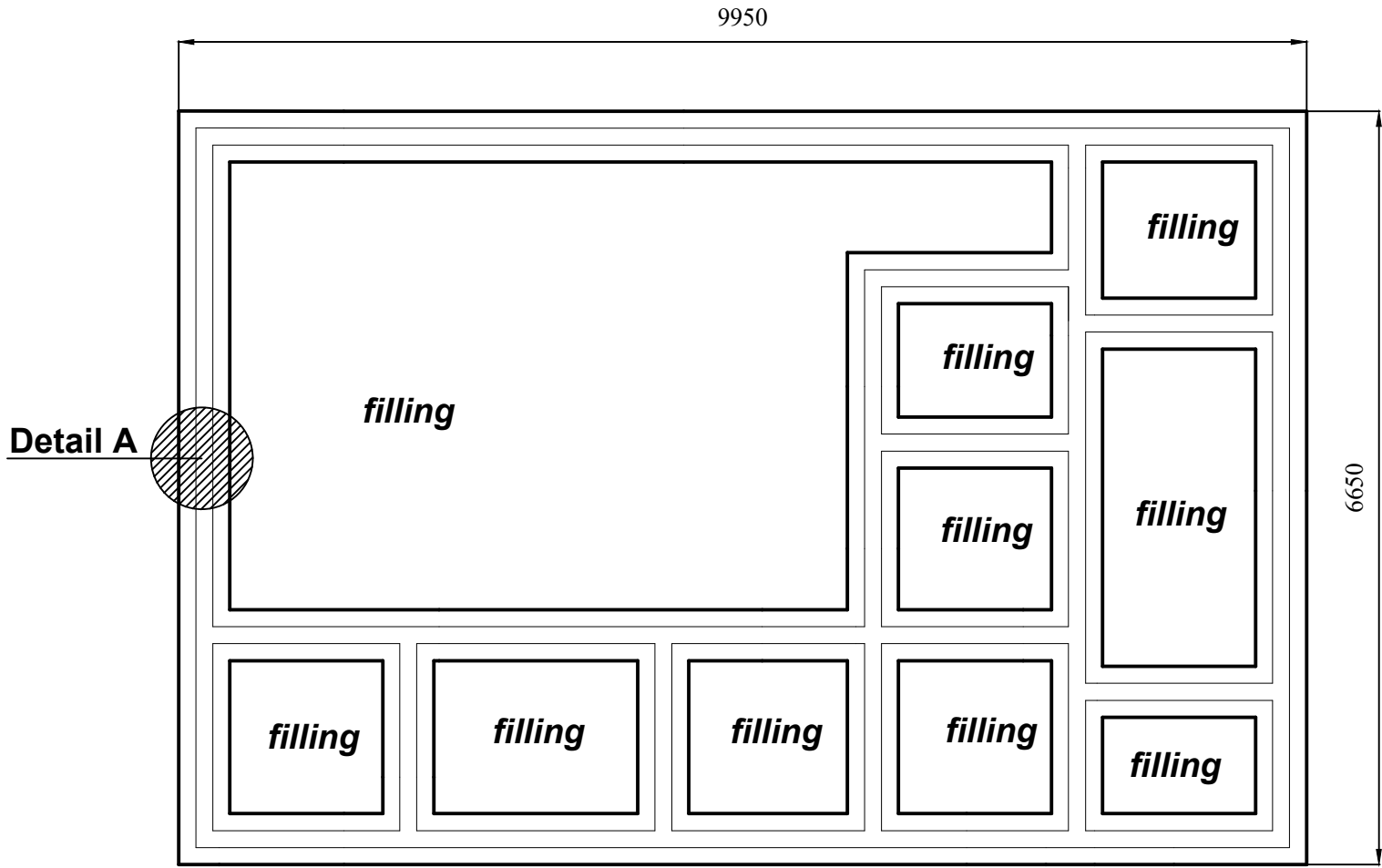
Date: 26.11.2025

Drawn by: FAUSTINA BOAKYEWAA

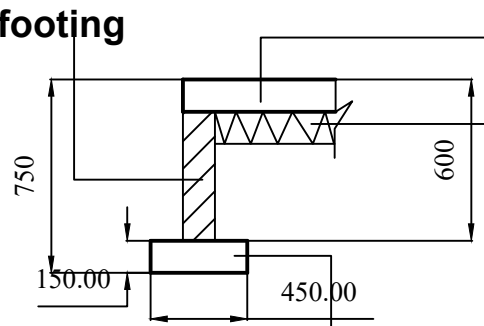
Design by: PROF. MASHAYEHI KAVEH

A110

Scale: 1:100



150mm thick Block walling/footing



Oversite Concrete

Hardcore Filling

150mm thick Foundation Concrete

KUMASI CENTRE FOR COLLABORATIVE RESEARCH IN TROPICAL MEDICINE

NOTES

PROJECT:

PROPOSED BIOSAFETY LEVEL 2 FACILITY KCCR

CLIENT:

KCCR

SHEET:

FOUNDATION PLAN

Project number: 010925

Date: 26.11.2025

Drawn by: FAUSTINA BOAKYEWAA

Design by: PROF. MASHAYEHI KAVEH

A111

Scale: 1:100