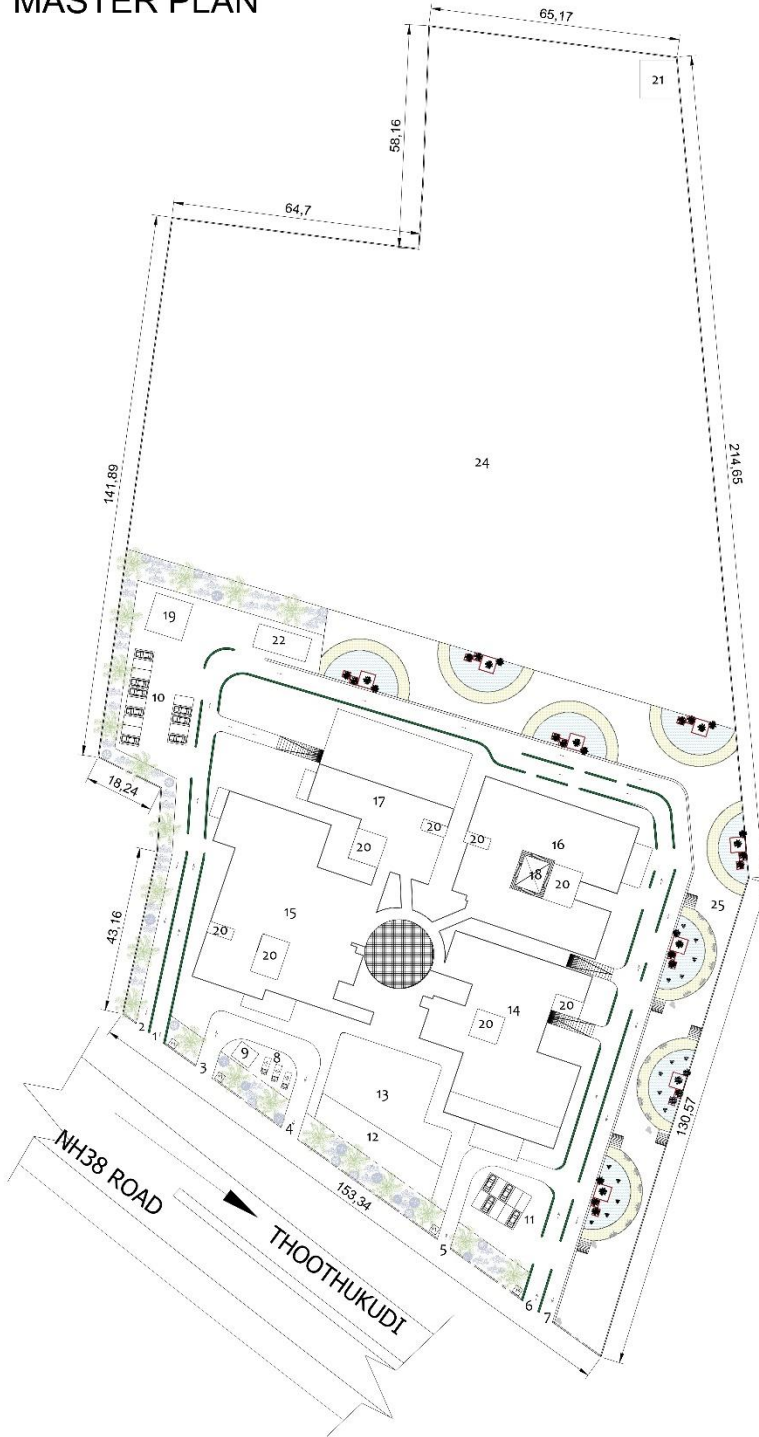


# PORTFOLIO:

The following sheets demonstrate the learning progression of the students until the fifth semester, illustrating their command of complex design briefs, utilizing CAD/BIM tools.

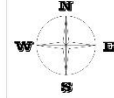
## MASTER PLAN



SHEET NO:  
4

AR3611  
ENVIRONMENTAL DESIGN  
STUDIO

SCALE :  
1 : 500



### LEGENDS :

- 1. STAFF SERVICE ENTRY
- 2. STAFF EXIT
- 3. AMBULANCE ENTRY
- 4. AMBULANCE EXIT
- 5. P ENTRY
- 6. P ENTRY
- 7. OUTPATIENT SERVICE EXIT
- 8. AMBULANCE PARKING
- 9. 24/7 AMBULANCE SERVICES
- 10. STAFF PARKING
- 11. VISITOR PARKING
- 12. VISITORS PARKING SHED
- 13. RECREATIONAL SPACE
- 14. BLOCK A
- 15. BLOCK B
- 16. BLOCK C
- 17. BLOCK D
- 18. COURTYARD
- 19. JAVU DAILY
- 20. HEAD ROOMS
- 21. SEWAGE TREATMENT PLANT
- 22. RAIN WATER HARVESTING
- 23. SECURITY WOOD
- 24. FUTURE EXPANSION
- 25. OVA SPACE

### AREA STATEMENT

PLINTH AREA : 1084 SQ.M  
 USE : 4463 SQ.M  
 PERMISSIBLE FSI : 3875 SQ.M  
 ACHIEVED FSI : 2868 SQ.M

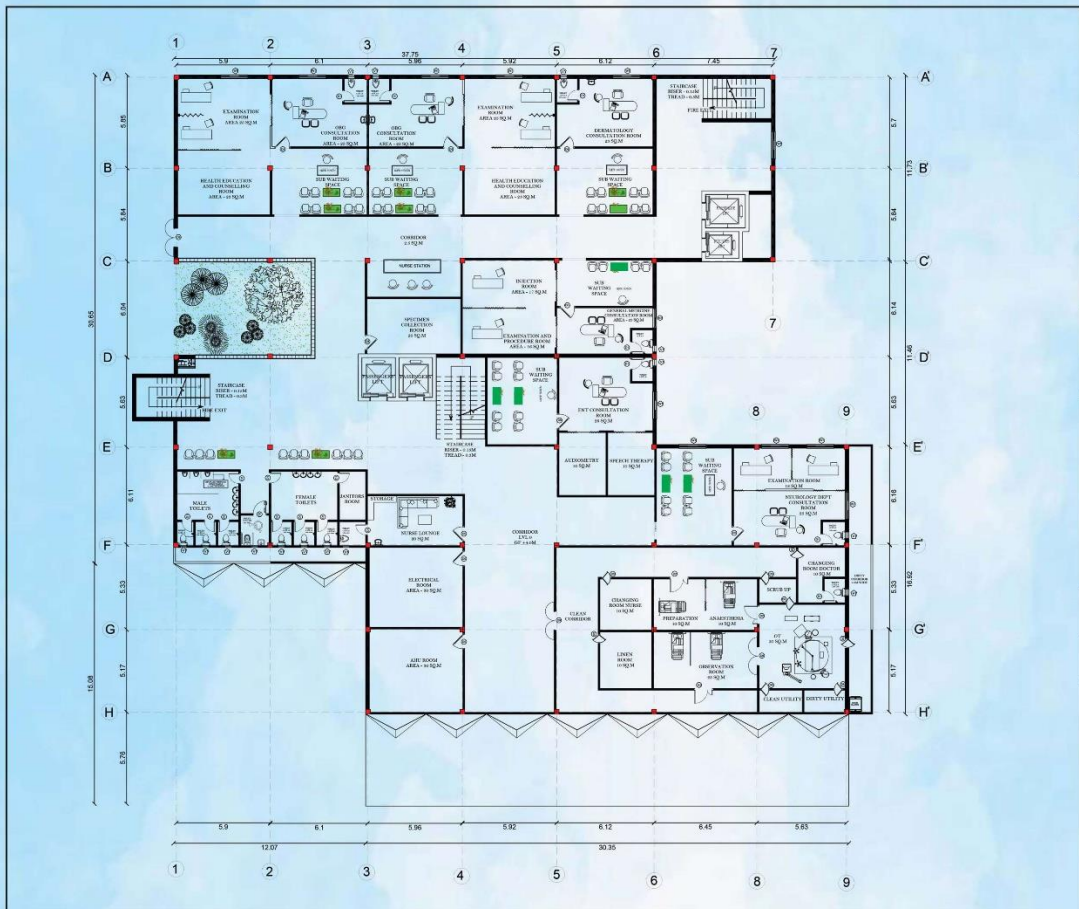
### SITE DETAILS

TOTAL SITE AREA : 1.16 ACRES  
 USED AREA : 5 ACRES  
 FUTURE EXPANSION : 6 ACRES  
 FRONT SETBACK : 5.7M  
 REAR SETBACK : 1.7M  
 SIDE SETBACK : 3.8M

### MULTI - SPECIALITY HOSPITAL

NAME : FAHILIN P F JISHA  
 REG NO : 985422251008  
 YEAR : III  
 SEM : VI  
 BATCH : 2022 - 2027





**AR3611 ENVIRONMENTAL DESIGN STUDIO**

**PROJECT NAME:**  
MULTISPECIALITY HOSPITAL

**SUBMITTED BY:**  
NAME: FAIRLIN P F JISHA  
REG NO: 96342251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

**SCALE:** 1:100  
ALL DIMENSIONS ARE IN M

**FIRST FLOOR AREA:** 1300 SQ.M

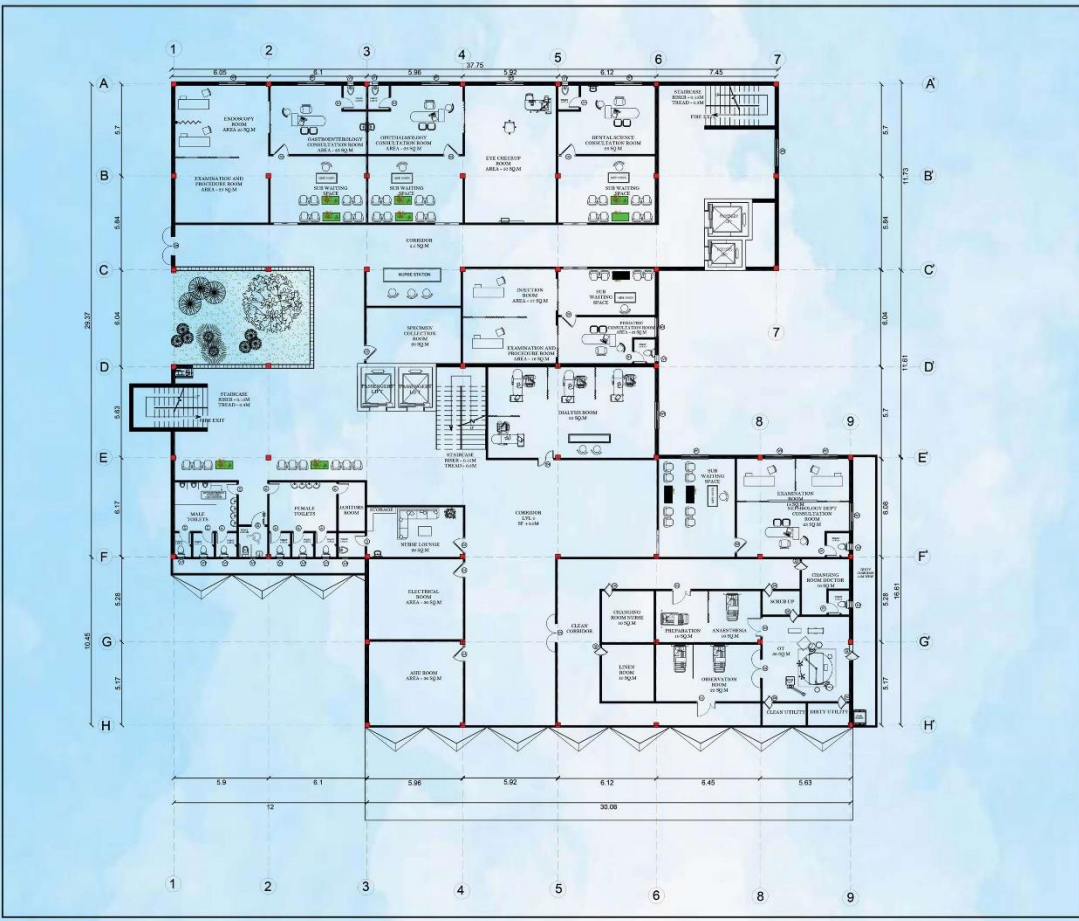
**KEY PLAN (NOT TO SCALE)**

**NORTH POINT**

**FIRST FLOOR PLAN OPD**

**JOINERY DETAILS**

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



**AR3611 ENVIRONMENTAL DESIGN STUDIO**

**PROJECT NAME:**  
MULTISPECIALITY HOSPITAL

**SUBMITTED BY:**  
NAME: FAIRLIN P F JISHA  
REG NO: 96342251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

**SCALE:** 1:100  
ALL DIMENSIONS ARE IN M

**SECOND FLOOR AREA:** 1300 SQ.M

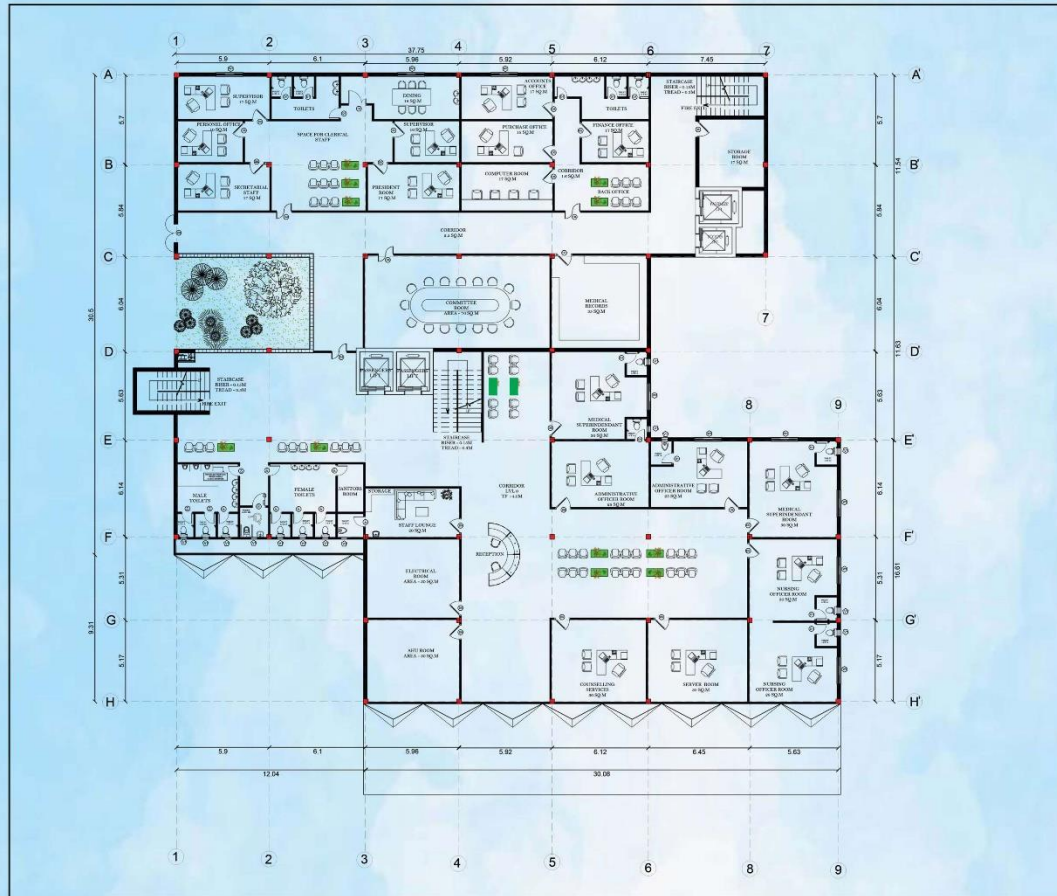
**KEY PLAN (NOT TO SCALE)**

**NORTH POINT**

**SECOND FLOOR PLAN OPD**

**JOINERY DETAILS**

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



AR3611  
ENVIRONMENTAL DESIGN STUDIO

PROJECT NAME:  
MULTISPECIALITY HOSPITAL

SUBMITTED BY:  
NAME: FAIRLIN P F JISHA  
REG NO: 96342251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

SCALE: 1:100  
ALL DIMENSIONS ARE IN M

THIRD FLOOR AREA: 1300 SQ.M

KEY PLAN (NOT TO SCALE)

NORTH POINT

THIRD FLOOR PLAN  
OPD

JOINERY DETAILS

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



AR3611  
ENVIRONMENTAL DESIGN STUDIO

PROJECT NAME:  
MULTISPECIALITY HOSPITAL

SUBMITTED BY:  
NAME: FAIRLIN P F JISHA  
REG NO: 96342251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

SCALE: 1:100  
ALL DIMENSIONS ARE IN M

GROUND FLOOR AREA: 1440 SQ.M

KEY PLAN (NOT TO SCALE)

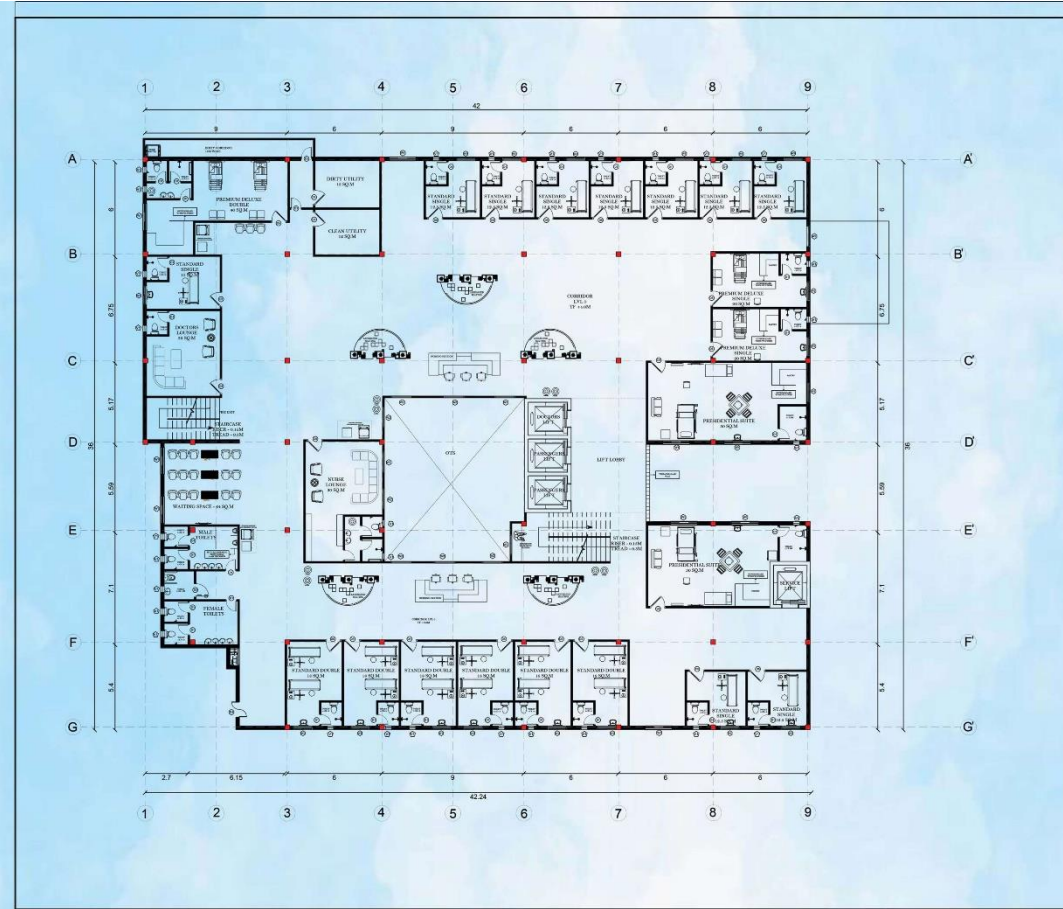
NORTH POINT

GROUND FLOOR PLAN  
LAB, IP RECEPTION

JOINERY DETAILS

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M





**AR3611**  
**ENVIRONMENTAL DESIGN STUDIO**

**PROJECT NAME:**  
**MULTISPECIALITY HOSPITAL**

**SUBMITTED BY:**  
NAME: FAIRLIN P F JISHA  
REG NO: 96342251069  
SEM: VI    YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

**SCALE: 1:100**  
ALL DIMENSIONS ARE IN M

**THIRD FLOOR AREA: 1440 SQ.M**

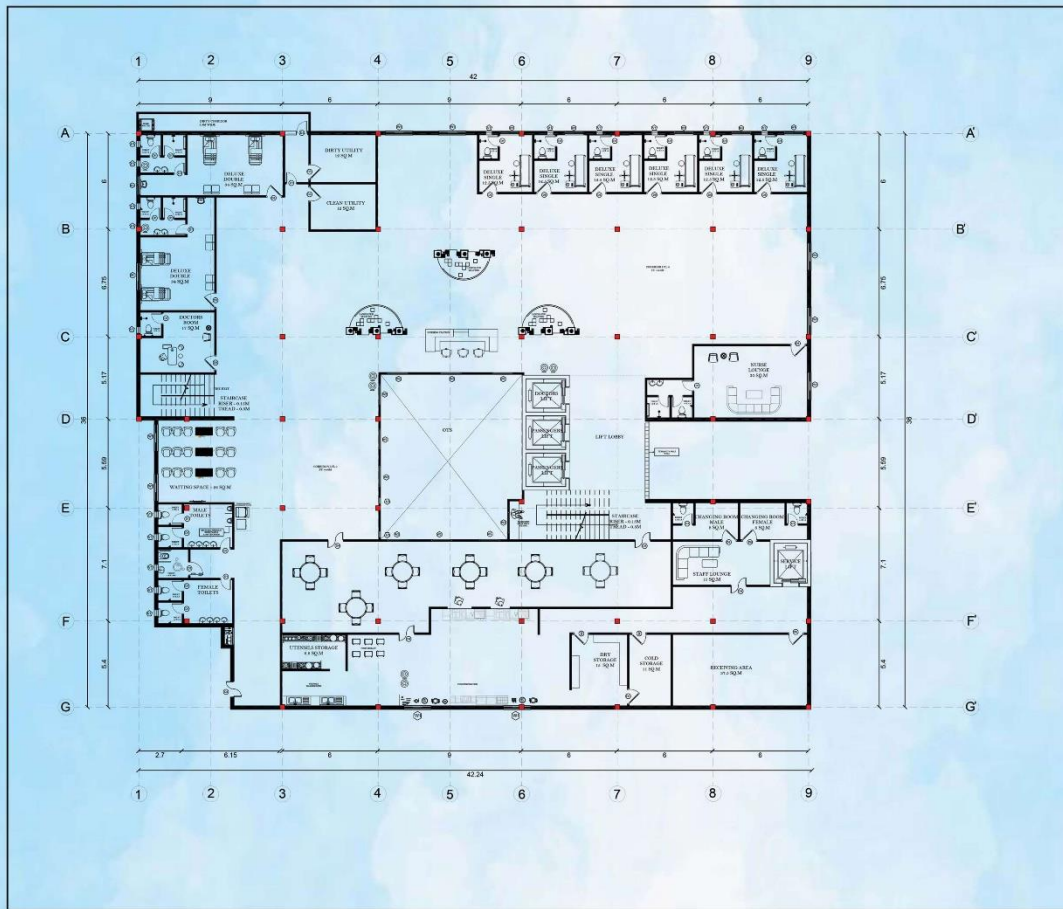
**KEY PLAN (NOT TO SCALE)**

**NORTH POINT**

**THIRD FLOOR PLAN**  
IPD

**JOINERY DETAILS**

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.25 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



**AR3611**  
**ENVIRONMENTAL DESIGN STUDIO**

**PROJECT NAME:**  
**MULTISPECIALITY HOSPITAL**

**SUBMITTED BY:**  
NAME: FAIRLIN P F JISHA  
REG NO: 96342251069  
SEM: VI    YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

**SCALE: 1:100**  
ALL DIMENSIONS ARE IN M

**FOURTH FLOOR AREA: 1440 SQ.M**

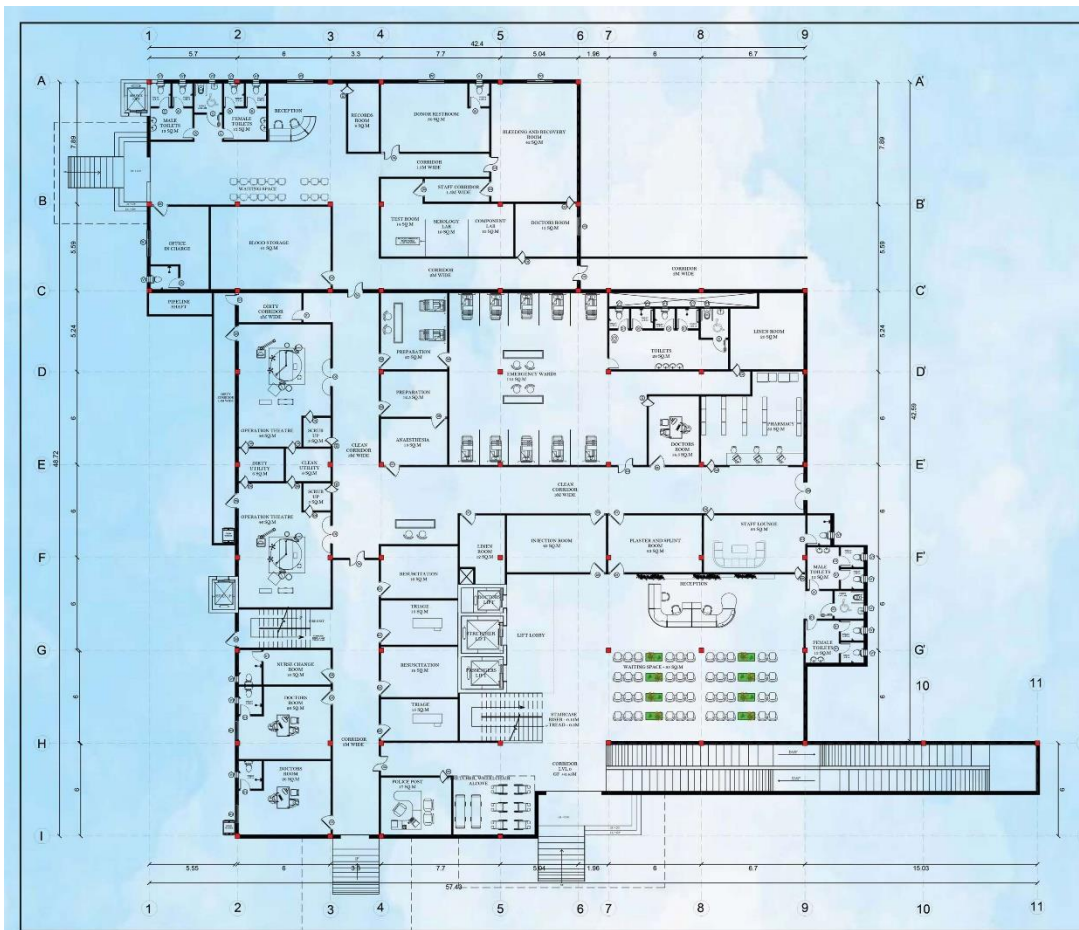
**KEY PLAN (NOT TO SCALE)**

**NORTH POINT**

**FOURTH FLOOR PLAN**  
IPD

**JOINERY DETAILS**

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



**AR361**  
ENVIRONMENTAL DESIGN STUDIO

**PROJECT NAME:**  
MULTISPECIALITY HOSPITAL

**SUBMITTED BY:**  
NAME: FARLIN P F JISHA  
REG NO: 96342251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

**SCALE:** 1:100  
ALL DIMENSIONS ARE IN M

**GROUND FLOOR AREA:** 1790 SQ.M

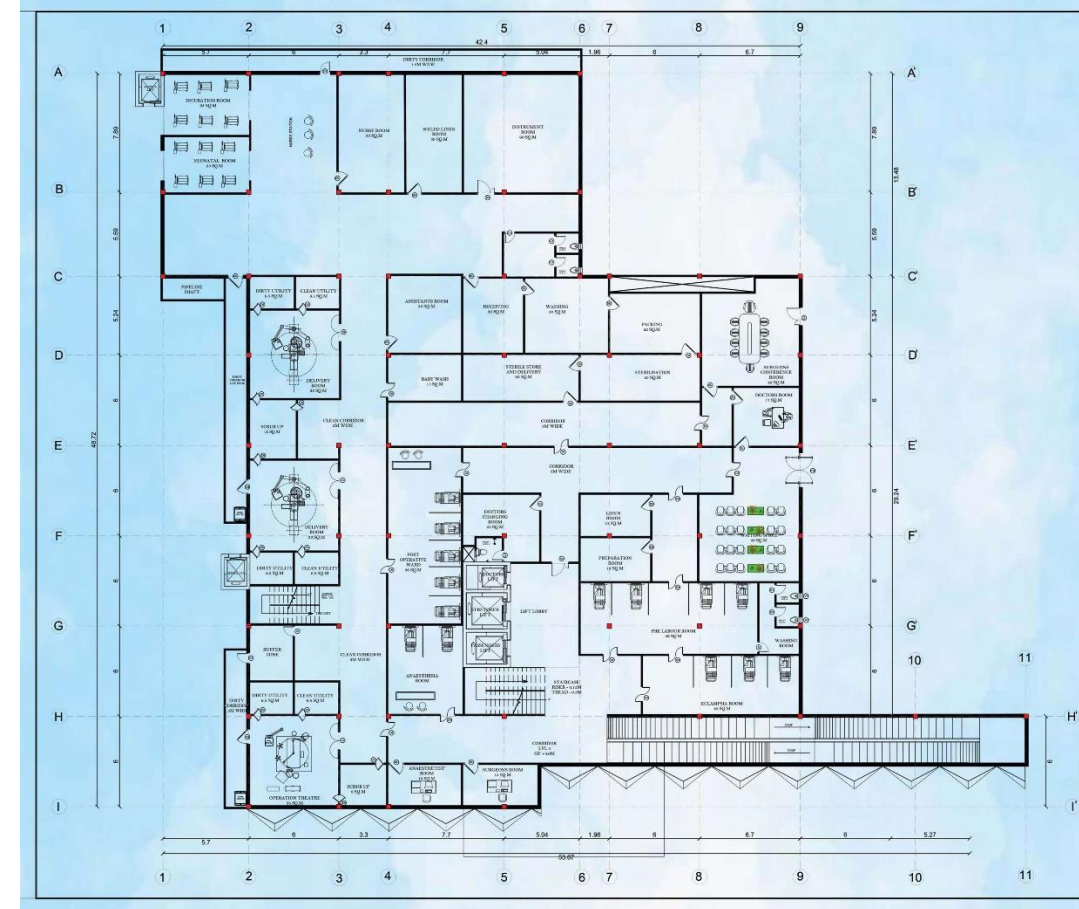
**KEY PLAN (NOT TO SCALE)**

**NORTH POINT**

**GROUND FLOOR PLAN**  
EMERGENCY DEPT

**JOINERY DETAILS**

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



**AR361**  
ENVIRONMENTAL DESIGN STUDIO

**PROJECT NAME:**  
MULTISPECIALITY HOSPITAL

**SUBMITTED BY:**  
NAME: FARLIN P F JISHA  
REG NO: 96342251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

**SCALE:** 1:100  
ALL DIMENSIONS ARE IN M

**FIRST FLOOR AREA:** 1790 SQ.M

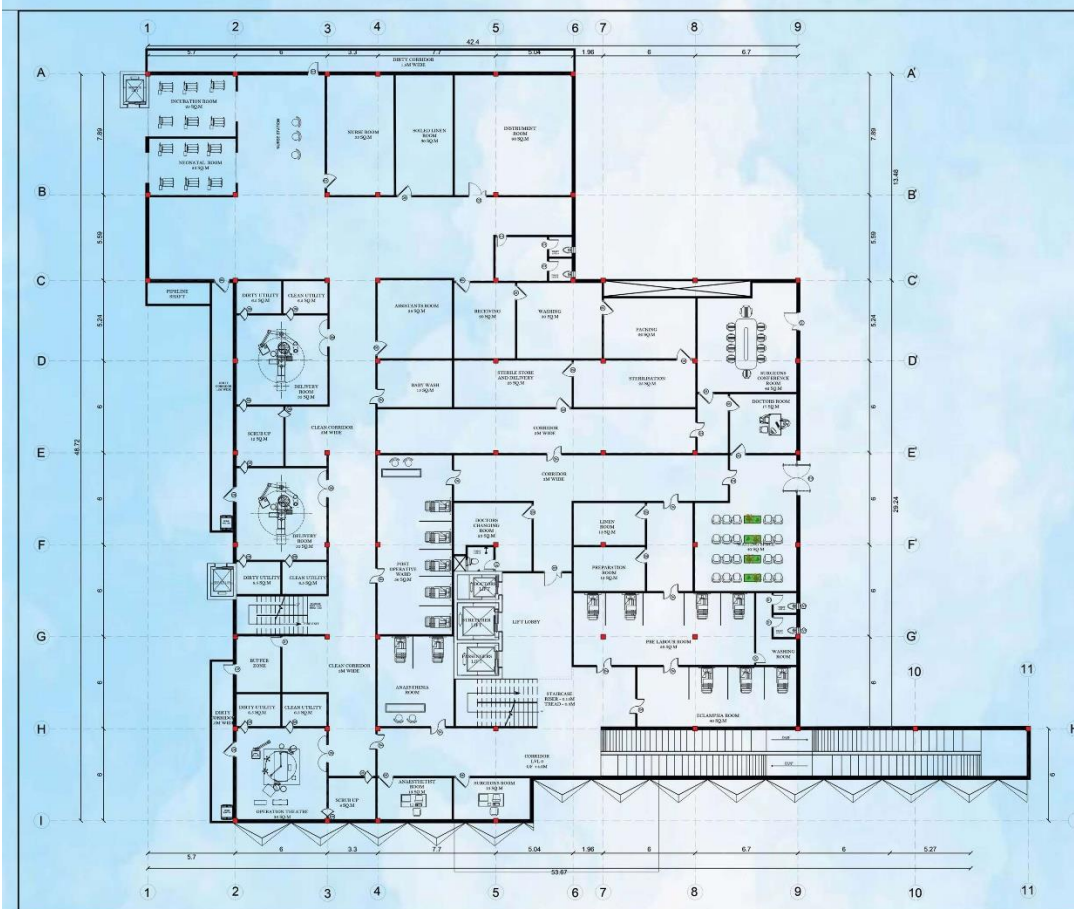
**KEY PLAN (NOT TO SCALE)**

**NORTH POINT**

**FIRST FLOOR PLAN**  
DELIVERY SUITE

**JOINERY DETAILS**

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



AR3611  
ENVIRONMENTAL DESIGN STUDIO

PROJECT NAME:  
MULTISPECIALITY HOSPITAL

SUBMITTED BY:  
NAME: FAIRLIN P F JISHA  
REG NO: 96342251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

SCALE: 1:100  
ALL DIMENSIONS ARE IN M

FIRST FLOOR AREA: 1790 SQ.M

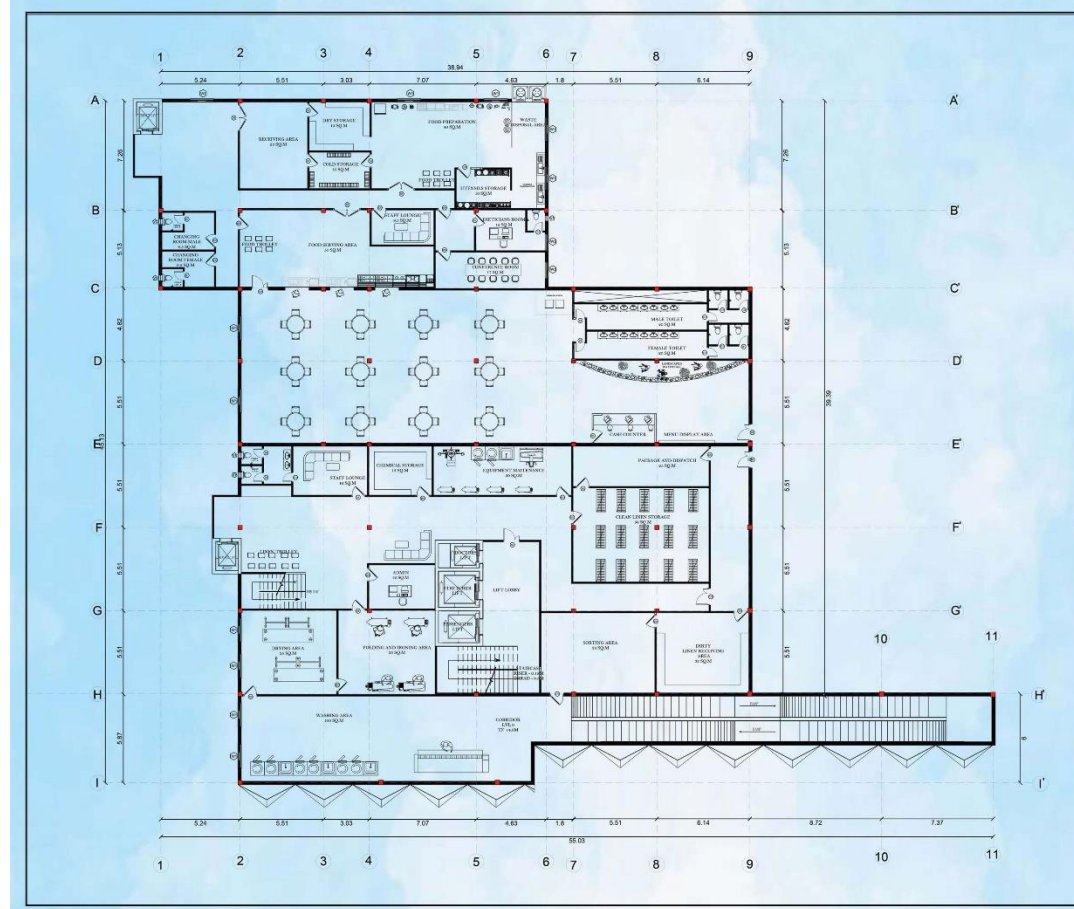
KEY PLAN (NOT TO SCALE)

NORTH POINT

FIRST FLOOR PLAN  
DELIVERY SUITE

JOINERY DETAILS

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



AR3611  
ENVIRONMENTAL DESIGN STUDIO

PROJECT NAME:  
MULTISPECIALITY HOSPITAL

SUBMITTED BY:  
NAME: FAIRLIN P F JISHA  
REG NO: 96342251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

SCALE: 1:100  
ALL DIMENSIONS ARE IN M

THIRD FLOOR AREA: 1790 SQ.M

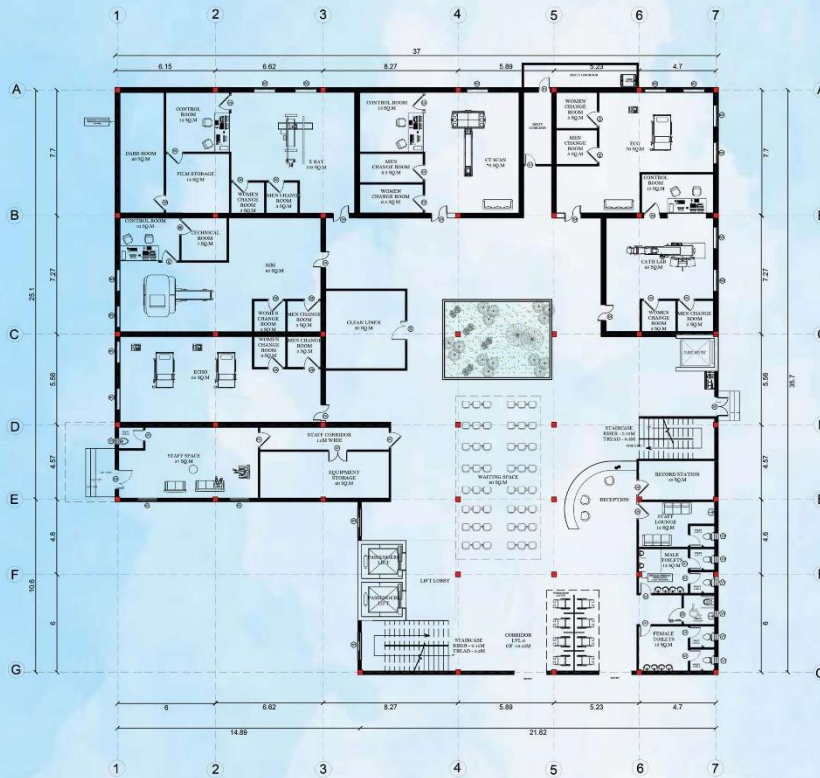
KEY PLAN (NOT TO SCALE)

NORTH POINT

THIRD FLOOR PLAN  
KITCHEN, LAUNDRY

JOINERY DETAILS

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



**AR3611**  
**ENVIRONMENTAL DESIGN STUDIO**

---

**PROJECT NAME:**  
 MULTISPECIALITY HOSPITAL

---

**SUBMITTED BY:**  
 NAME: FAIRLJN P F JISHA  
 REG NO: 963422251009  
 SEM: VI    YEAR: III  
 ACADEMIC YEAR: 2025  
 BATCH: 2022 - 2027

---

**SCALE: 1:100**  
 ALL DIMENSIONS ARE IN M

---

**GROUND FLOOR AREA: 1170 SQ.M**

---

**KEY PLAN (NOT TO SCALE)**

---

**NORTH POINT**

---

**GROUND FLOOR PLAN**  
**DIAGNOSTICS**

---

**JOINERY DETAILS**

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



AR3611  
ENVIRONMENTAL DESIGN STUDIO

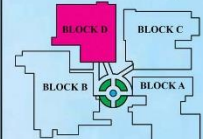
PROJECT NAME:  
MULTISPECIALITY HOSPITAL

SUBMITTED BY:  
NAME: FAIRLIN P F JISHA  
REG NO: 963422251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

SCALE: 1:100  
ALL DIMENSIONS ARE IN M

FIRST FLOOR AREA: 1170 SQ.M

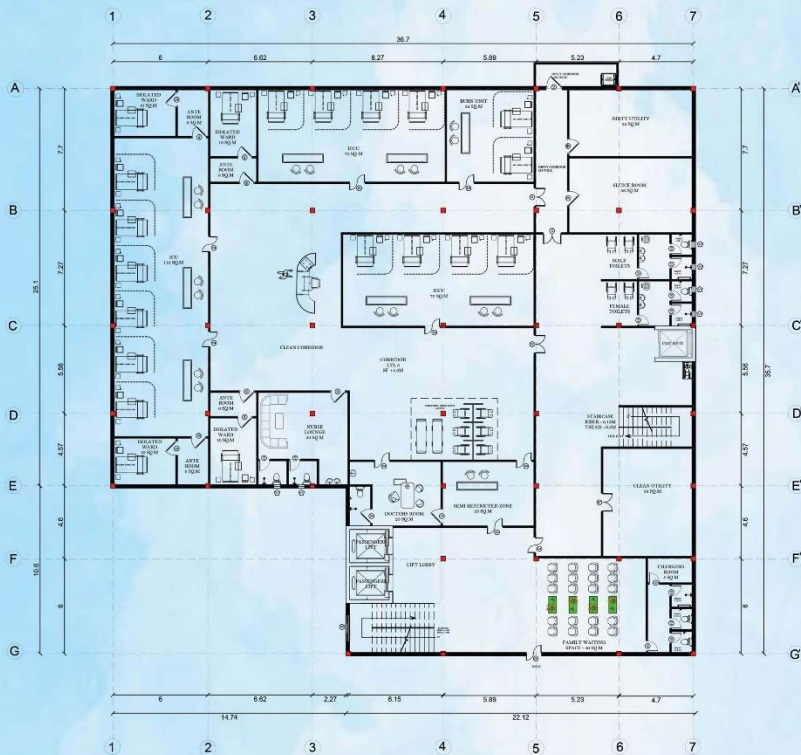
KEY PLAN (NOT TO SCALE)



FIRST FLOOR PLAN  
DIAGNOSTICS

JOINERY DETAILS

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



AR3611  
ENVIRONMENTAL DESIGN STUDIO

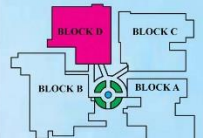
PROJECT NAME:  
MULTISPECIALITY HOSPITAL

SUBMITTED BY:  
NAME: FAIRLIN P F JISHA  
REG NO: 963422251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

SCALE: 1:100  
ALL DIMENSIONS ARE IN M

SECOND FLOOR AREA: 1170 SQ.M

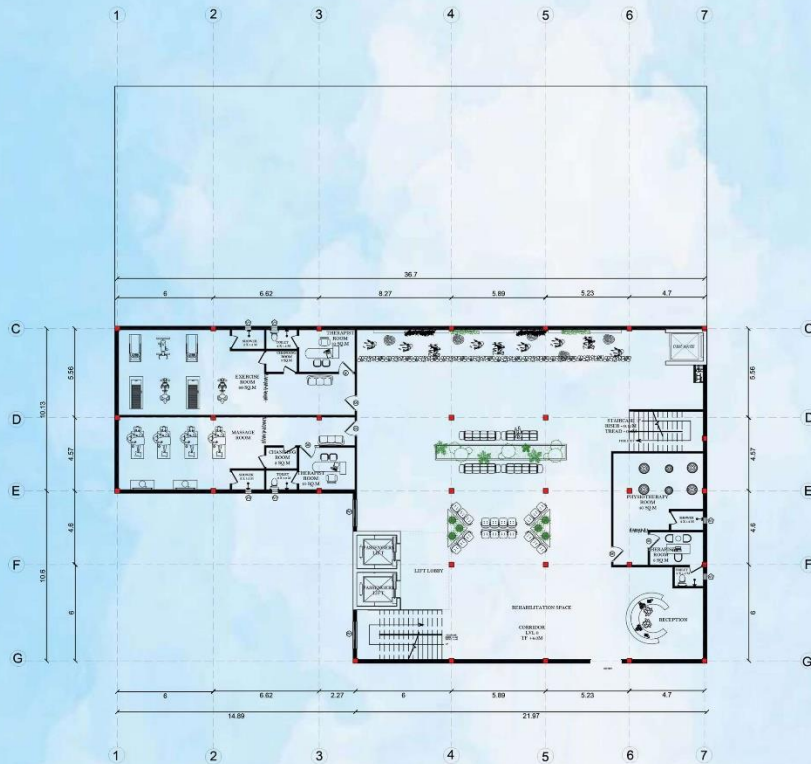
KEY PLAN (NOT TO SCALE)



SECOND FLOOR PLAN  
ICU, ICU

JOINERY DETAILS

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
V1	VENTILATOR	0.4 X 0.4M



AR3611  
ENVIRONMENTAL DESIGN STUDIO

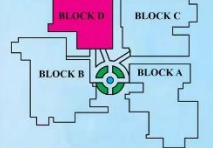
PROJECT NAME:  
MULTISPECIALITY HOSPITAL

SUBMITTED BY:  
NAME: FAIRLIN P F JISHA  
REG NO: 963422251009  
SEM: VI YEAR: III  
ACADEMIC YEAR: 2025  
BATCH: 2022 - 2027

SCALE: 1:100  
ALL DIMENSIONS ARE IN M

THIRD FLOOR AREA: 620 SQ.M

KEY PLAN (NOT TO SCALE)

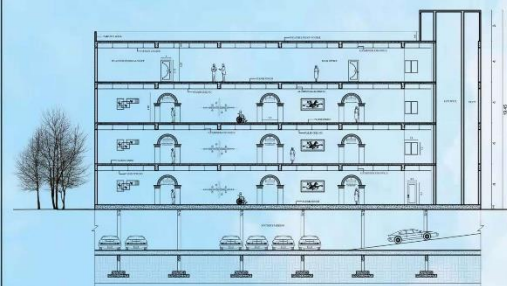


NORTH POINT

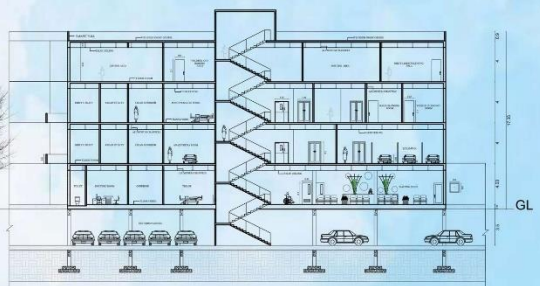
THIRD FLOOR PLAN  
REHABILITATION SPACE

JOINERY DETAILS

S.NO	DOORS	DIMENS
D1	SINGLE LEAF DOOR	0.75 X 2.1M
D2	UNEVEN DOUBLE LEAF DOOR	1.1 X 2.1M
D3	SINGLE LEAF DOOR	0.8 X 2.1M
D4	OPPOSING DOOR	1 X 2.1M
D5	SINGLE LEAF DOOR	1 X 2.1M
D6	GLASS DOOR	2 X 2.1M
D7	DOUBLE LEAF DOOR	1.1 X 2.1M
D8	DOUBLE SWING DOOR	1.5 X 2.1M
D9	DOUBLE LEAF DOOR	1.1 X 2.1M
W1	SLIDING WINDOW	1.75 X 1.2M
W2	FIXED WINDOW	1.2 X 1.2M
W3	SLIDING WINDOW	1.2 X 1.2M
VI	VENTILATOR	0.4 X 0.4M

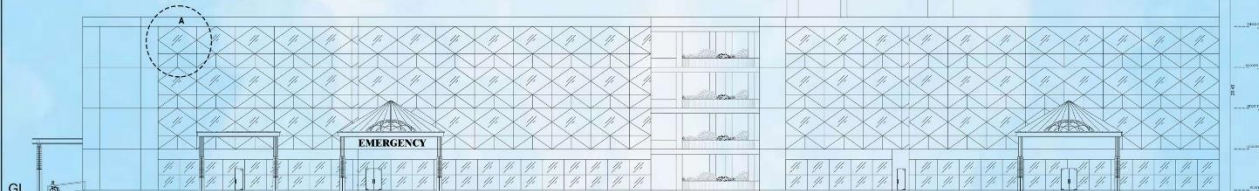
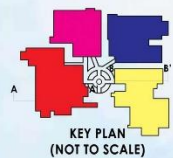


SECTION - BB'



SECTION - AA'

DETAILS



ELEVATION

AR3611  
ENVIRONMENTAL DESIGN STUDIO

SCALE 1:150  
ALL DIMENSIONS ARE IN M

NAME: FAIRLIN P F JISHA  
REG.NO: 963422251009  
YEAR: III SEM:VI  
BATCH: 2022\_2027  
SIGMA COLLEGE OF ARCHITECTURE