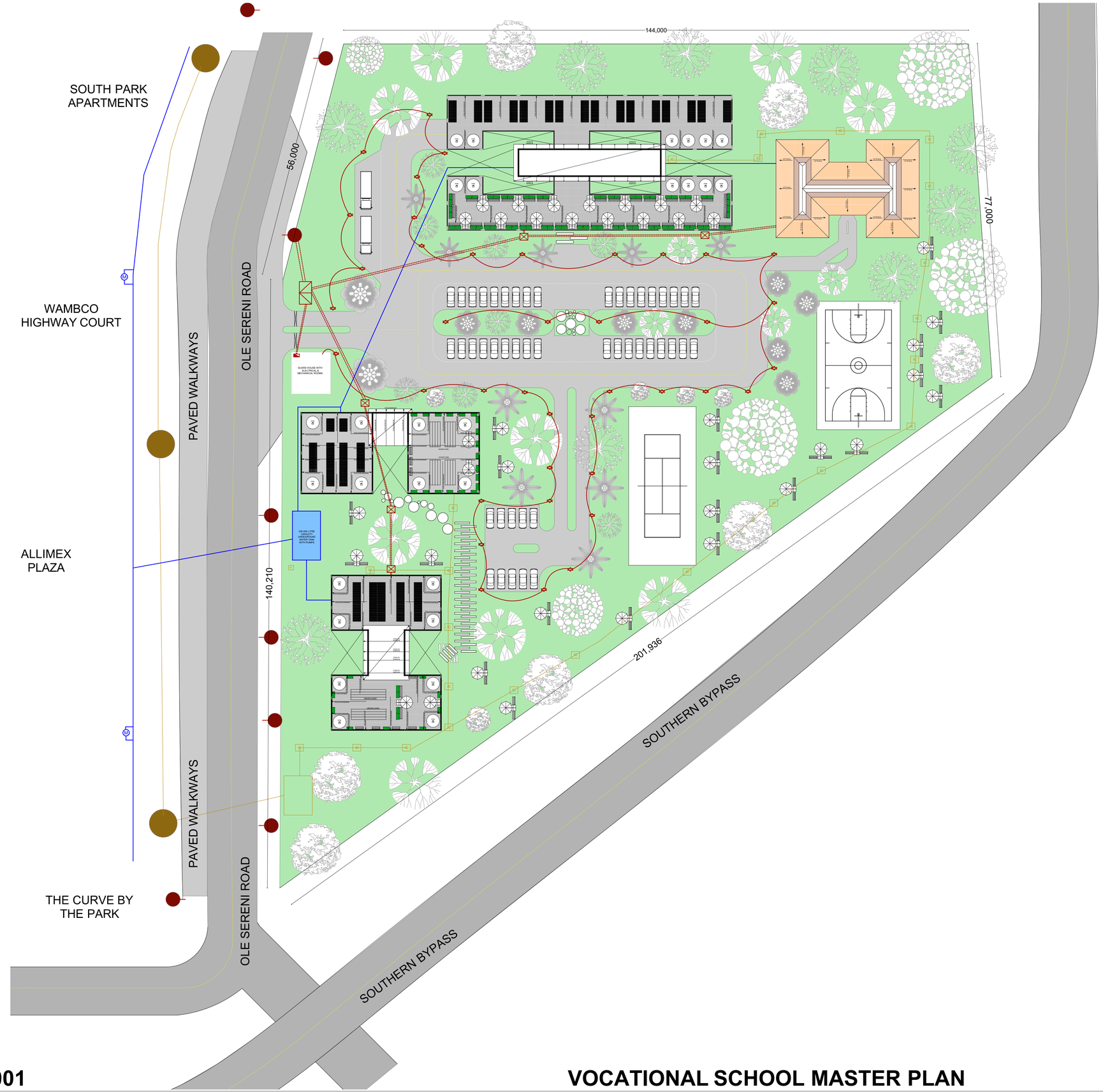

KEY

- timber fencing pole
- concerete fencing pole
- water supply line
- sewer line & man holes
- power lines
- concrete block walls on site
- big acacia tree
- small acacia tree
- shrubs and grass

NOTES:

GENERAL

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CONSTRUCTION

4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150 mm above ground level.
5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL

9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL

12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
15. SVP (soil vent pipes) to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
17. All under ground foul and waste drainpipes shall be UPVC to comply to BSS 4514 & 5255.
18. The storm water drain to comply to BSS 556.
19. All inspection chamber covers and frames shall be cast iron to comply to BSS 497 table 6 grade C.
20. Minimum slopes in drainpipes shall be 1%.
21. No chases will be allowed in the slabs for pipes. Sleeves will be allowed with the written approval of the S.E.
22. All testing of pipes must be completed before plastering.
23. All mechanical work must be coordinated with electrical work. Any conflicts must be clarified before work begins.

ELECTRICAL

24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechani

REVISIONS		
NO	DATE	DESCRIPTION
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PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

CLIENT:
AZUL TRADING LIMITED

DRAWING TITLE:
SITE MASTER PLAN

DATE:14-06-2024

DESIGNED BY : OKOTH DAVIS

REG NUMBER: B76/4701/2020

CHECKED BY:
DR. ARCH RALWALA
DR. KIVINDU
DR. KARIUKI
ENG. YIMAM
QS. MULAKU

CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE: AS SHOWN

A-001

VOCATIONAL SCHOOL MASTER PLAN

1:450

A-001

LOWER GROUND

1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

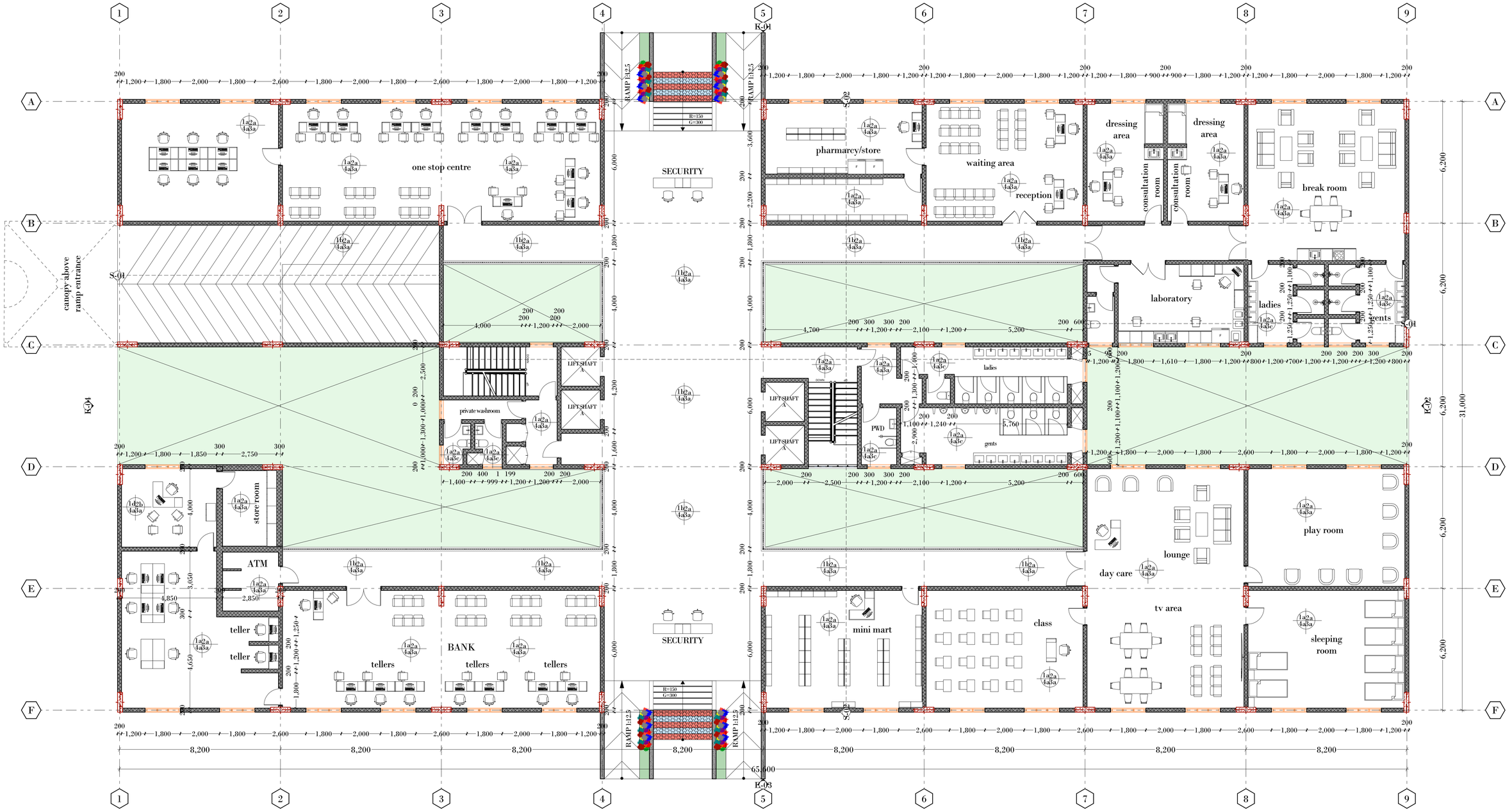
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



A-002

UPPER GROUND

1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100

A-003 — 1ST -2ND FLOOR — 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100

A-004

3RD- 5TH FLOOR

1:100

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DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

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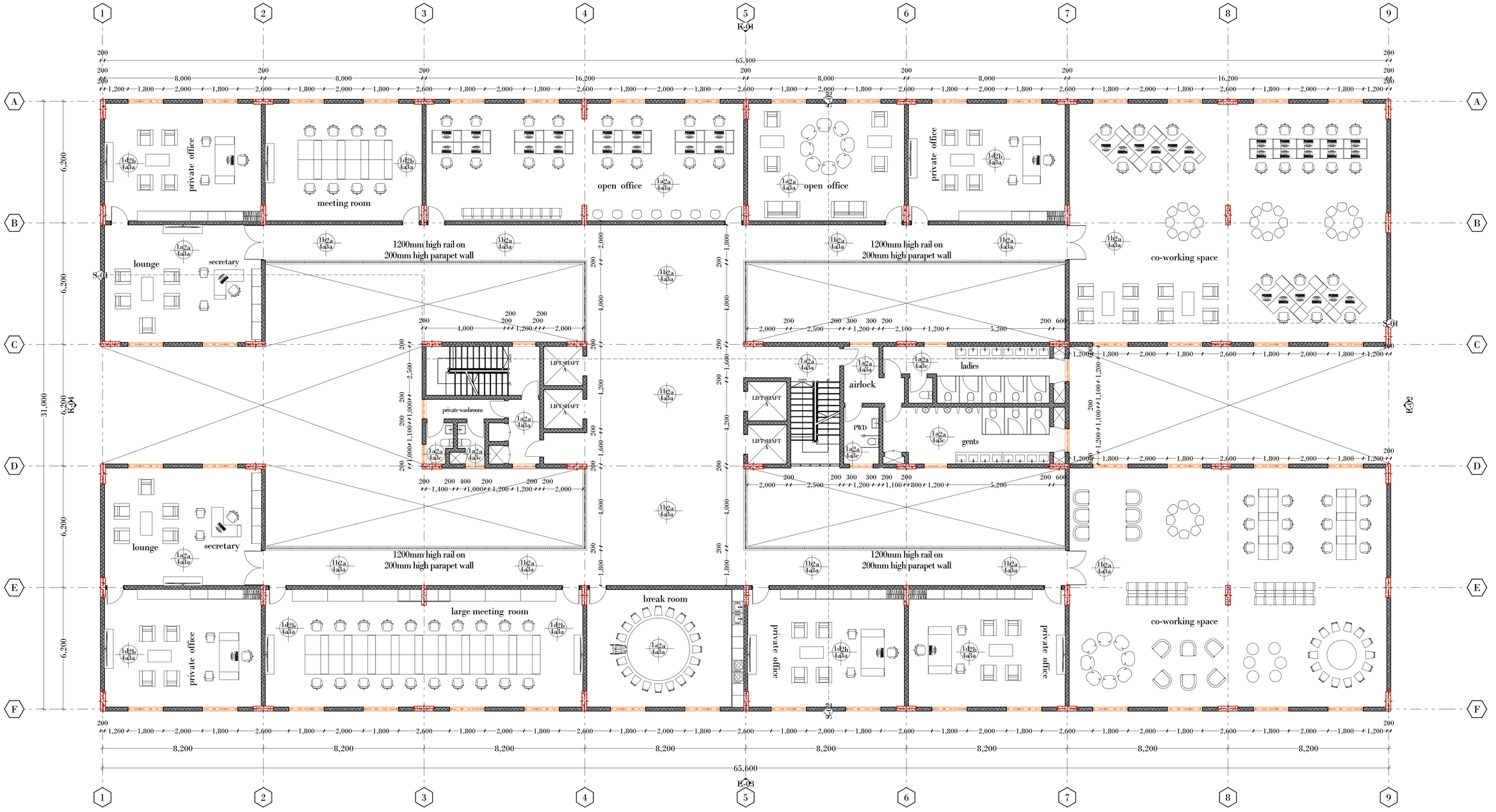
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



A-005 6TH-7TH FLOOR 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

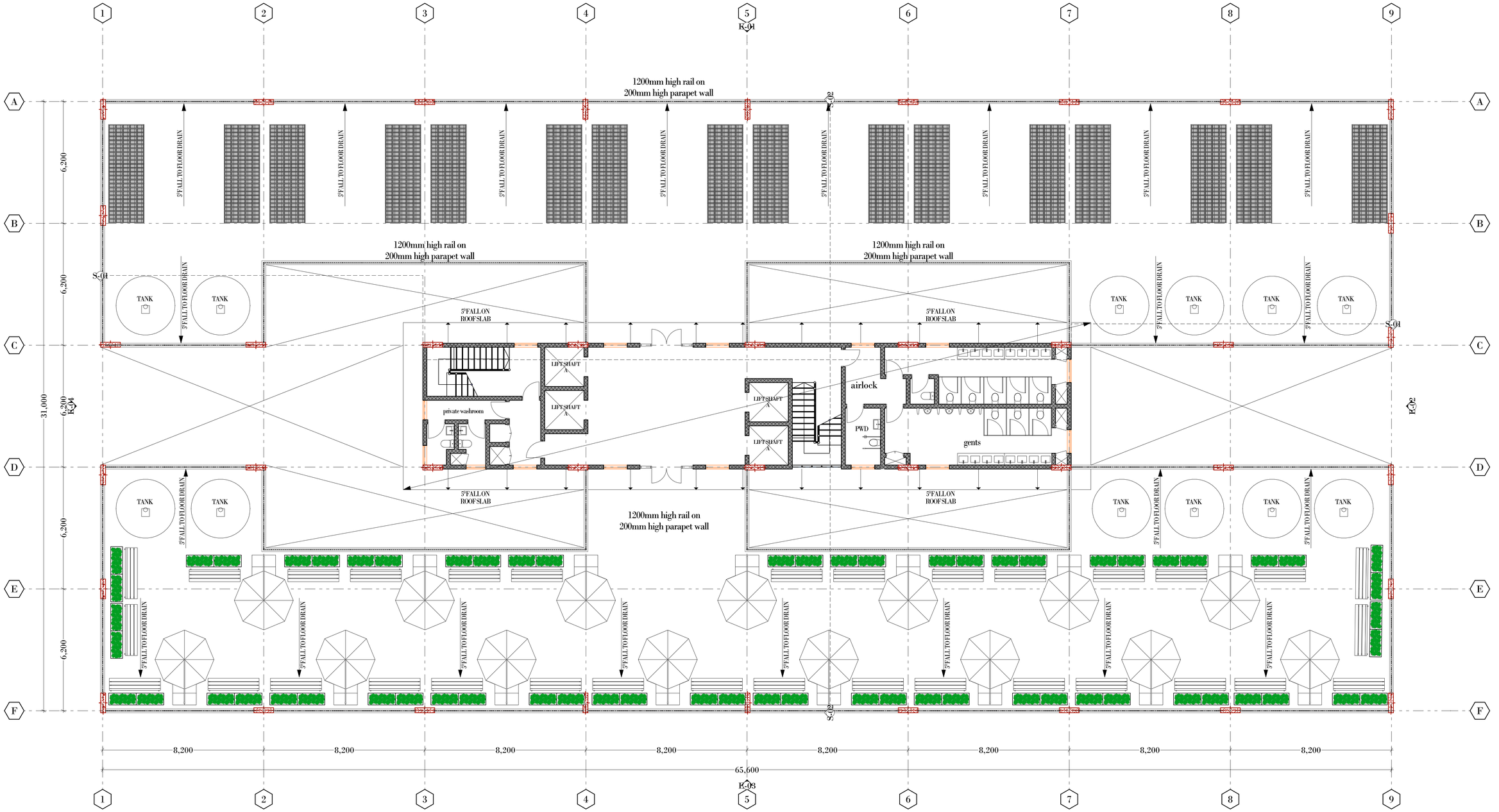
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



A-006 ROOF TOP 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100

E-01 BACK ELEVATION 1:100

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DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

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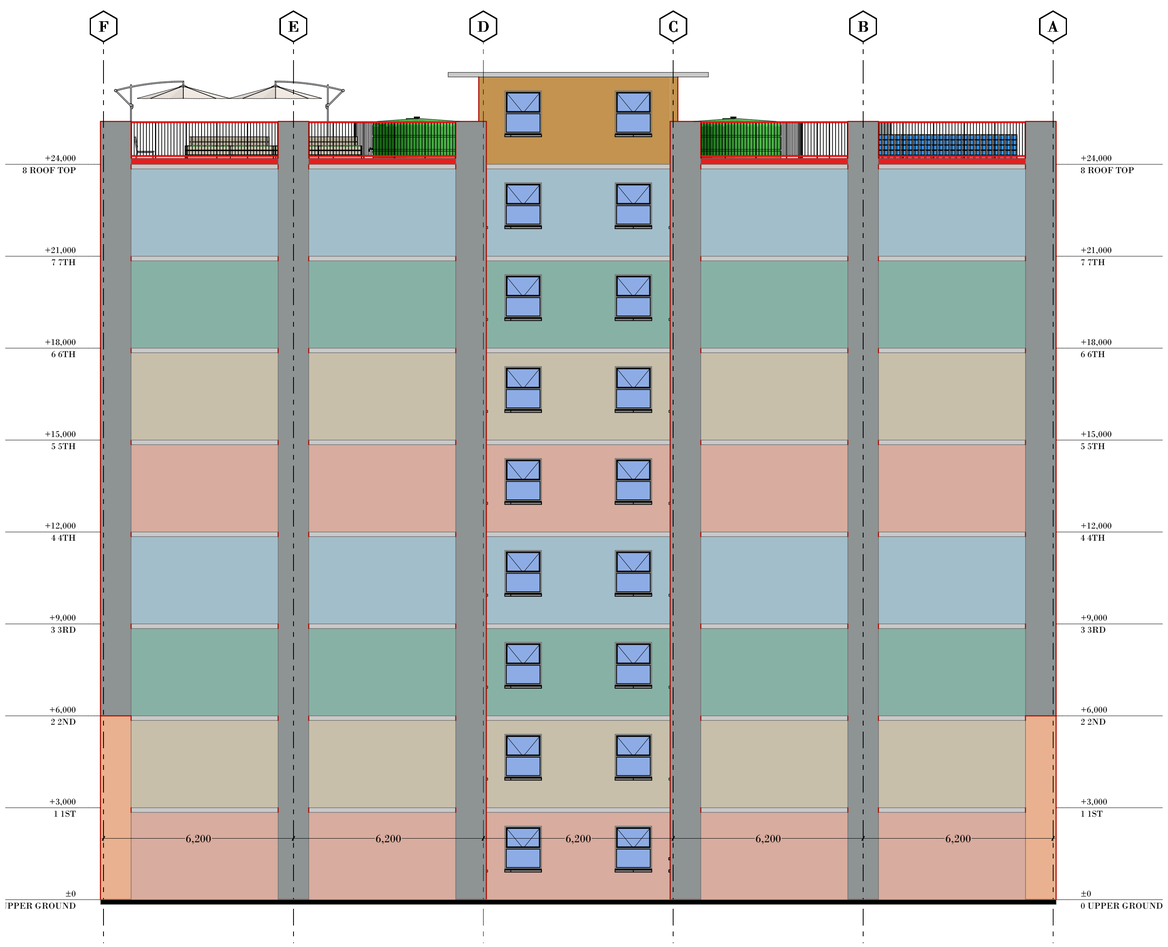
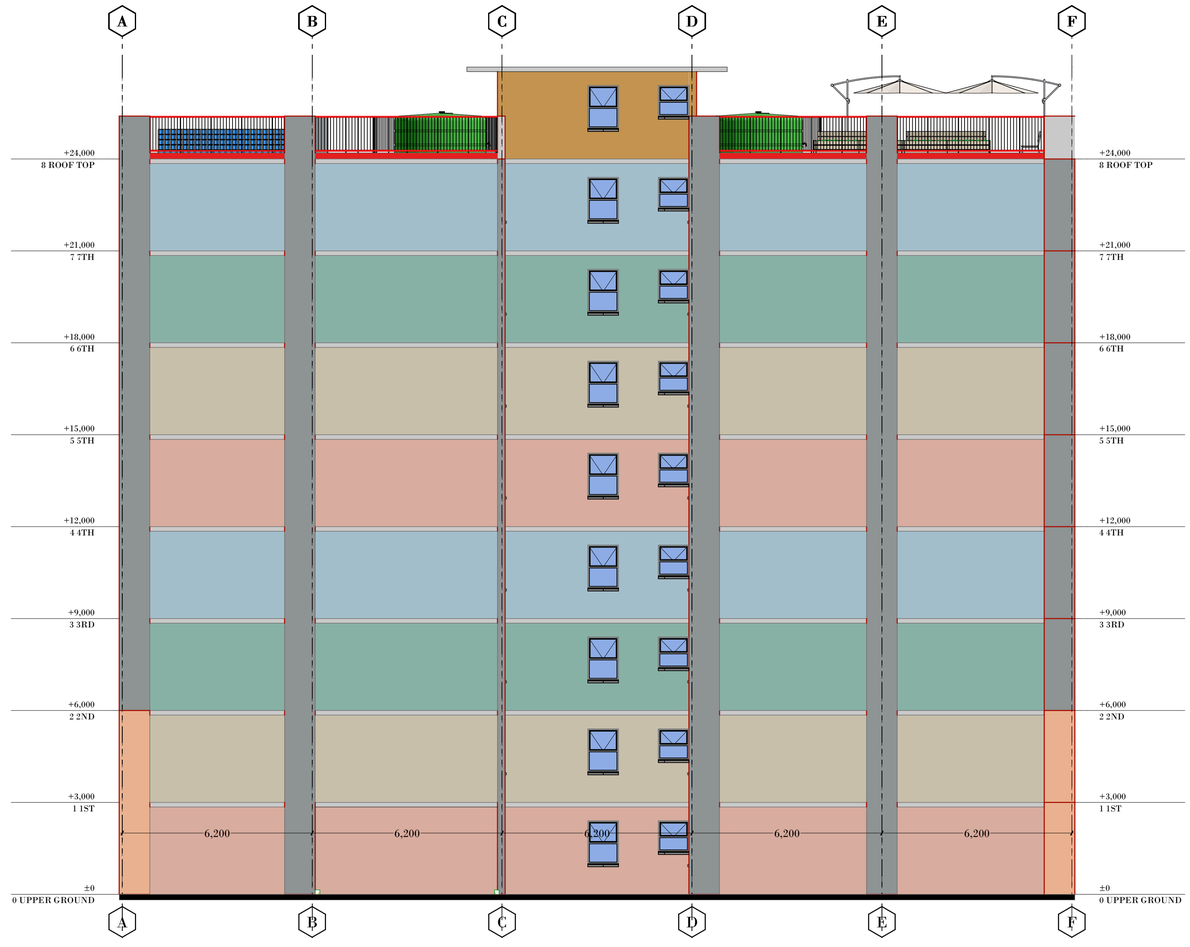
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



E-02 SIDE ELEVATION 1:100



E-04 SIDE ELEVATION 1:100

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PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

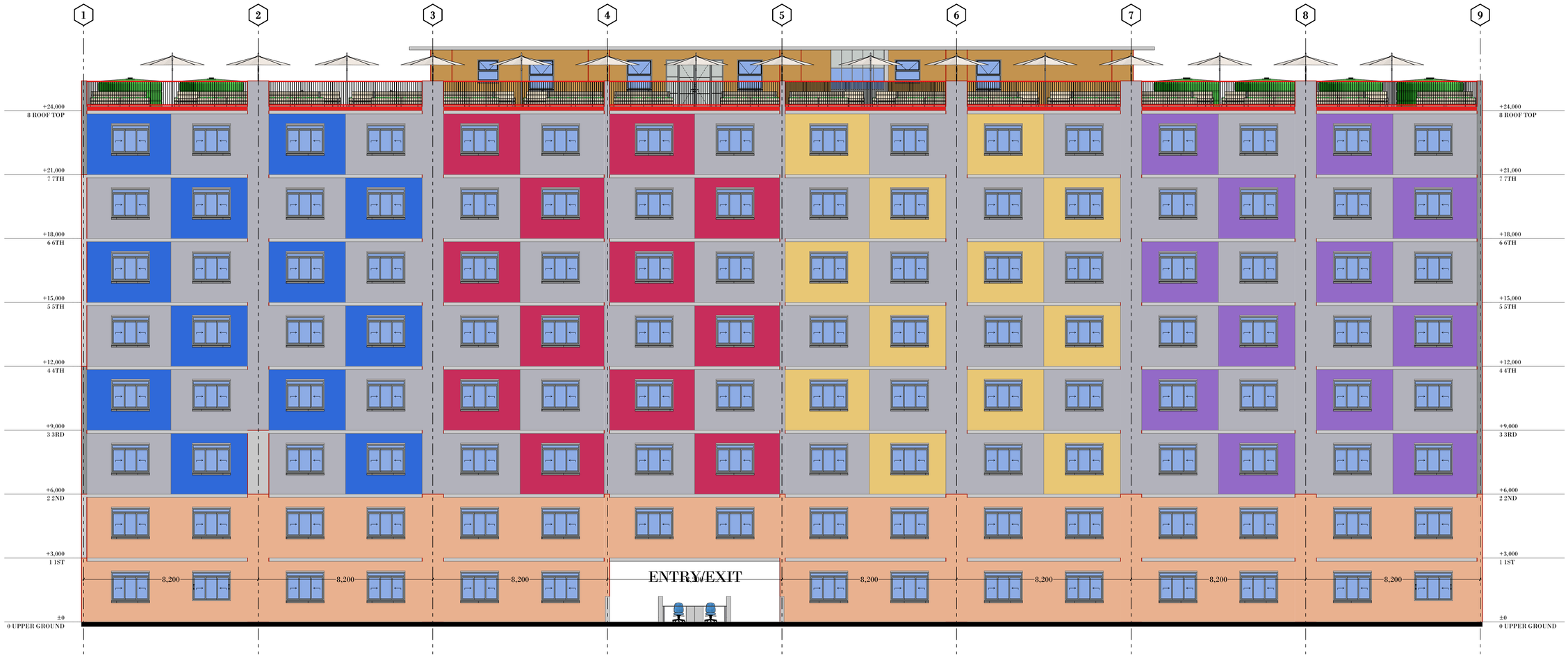
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



E-03 FRONT ELEVATION 1:100

NOTES:
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3. All sections are to be read as per floor plan and all drawings must be read in concert with each other. Any discrepancies must be notified immediately to the architect and clarified consulting the architectural or consultants drawing.

CONSTRUCTION
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150 mm above ground level.
5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
15. SVP (soil vent pipes) to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
17. All under ground foul and waste drainpipes shall be UPVC to comply to BSS 4514 & 5255.
18. The storm water drain to comply to BSS 556.
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23. All mechanical work must be coordinated with electrical work. Any conflicts must be clarified before work begins.

ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

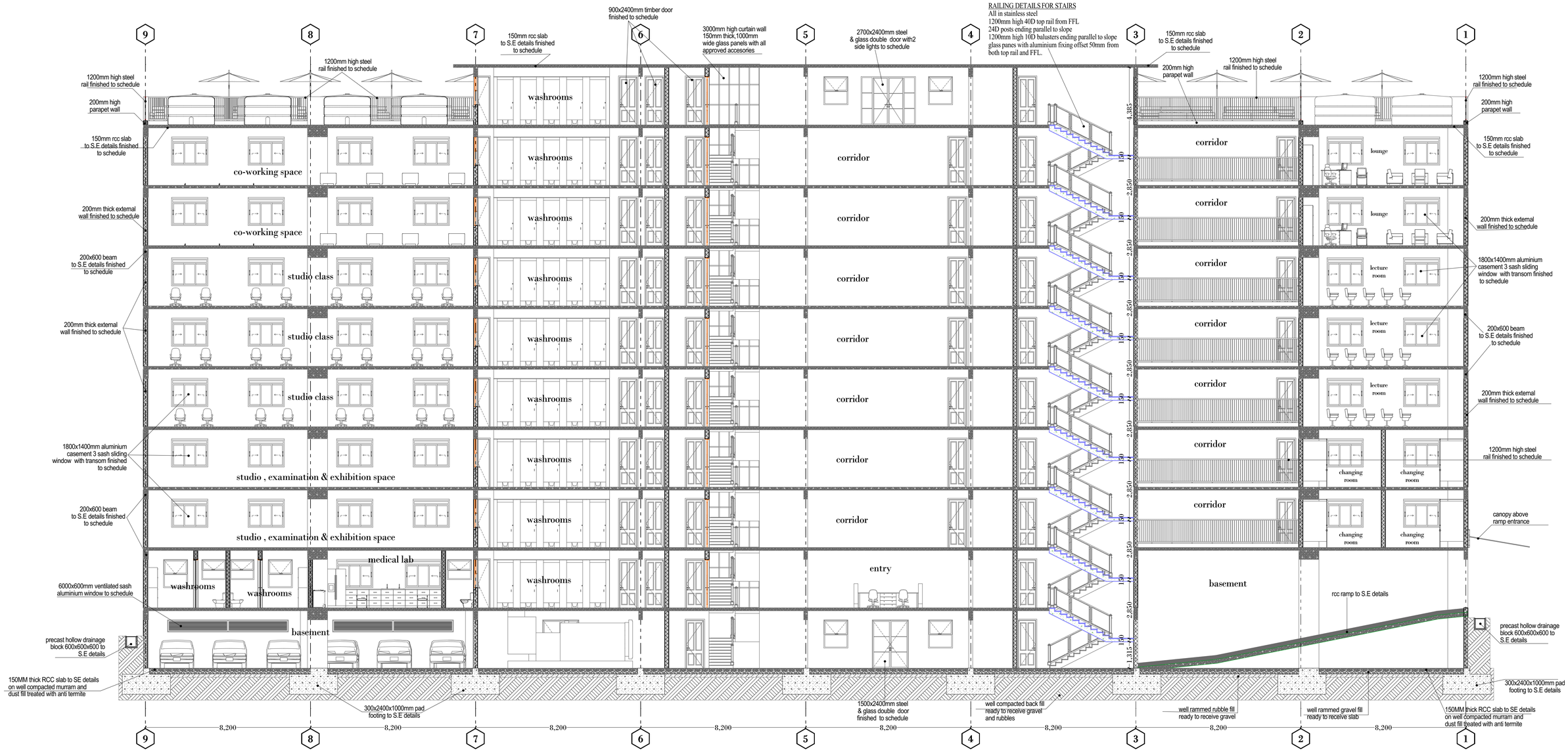
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



S-01 BUILDING SECTION -ADMIN 1:100

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7. Window sills must be finished before internal plastering.

CIVIL
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ELECTRICAL
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1			
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REVISIONS

DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ADMINISTRATION CLASSES, LABS & WORKSHOPS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

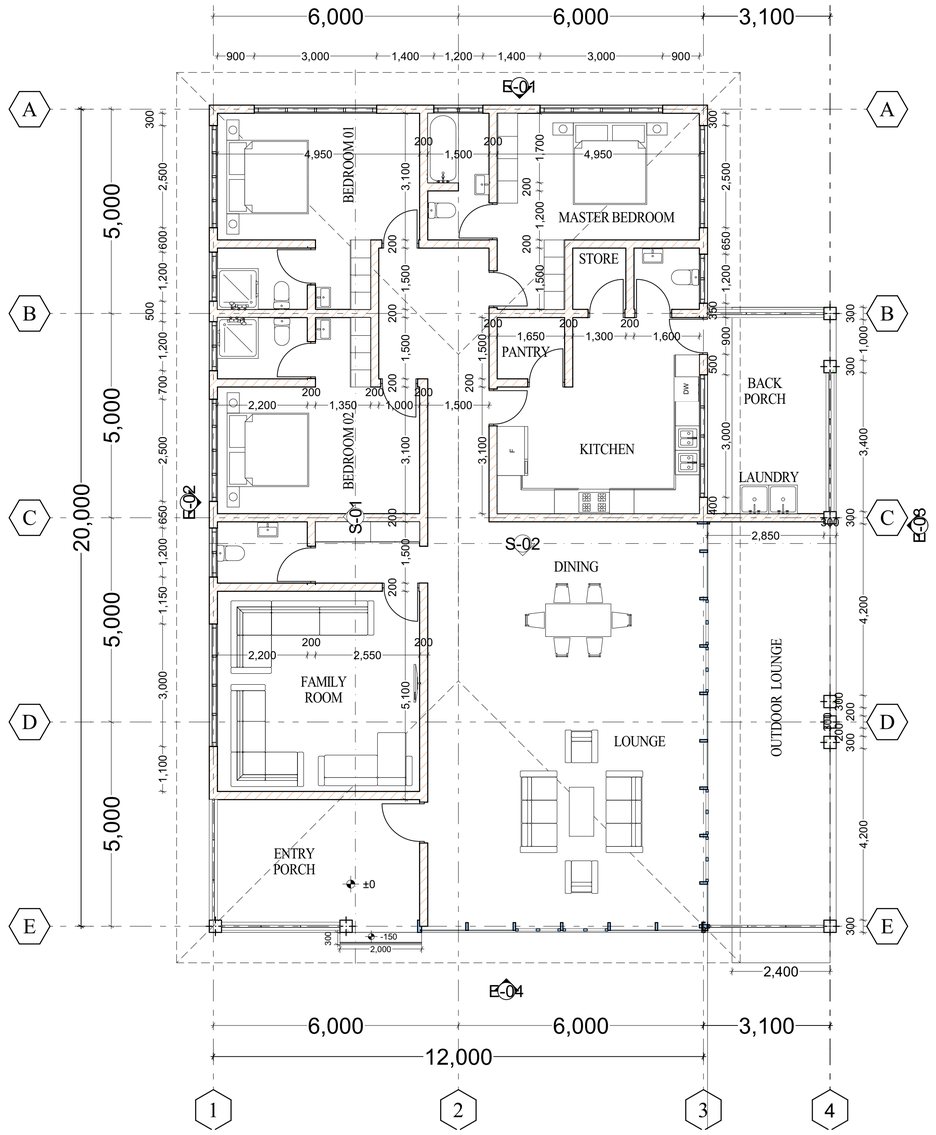
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

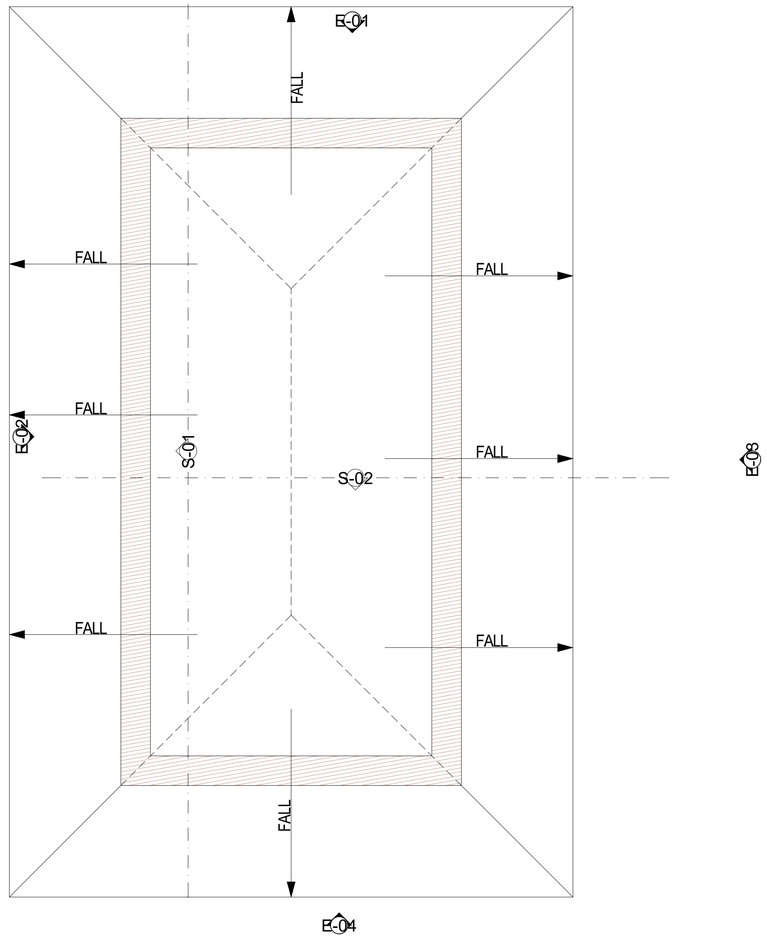
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



A-001 Ground Floor 1:75



A-002 Roof plan 1:75

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	REVISIONS		
NO	DATE	DESCRIPTION	CHECKED BY
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DATE:14-06-2024

PROJECT TITLE: THE FORUM

DRAWING TITLE: PLANS, SECTIONS & ELEVATIONS -CARETAKER

CLIENT:THE UNIVERSITY OF NAIROBI

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

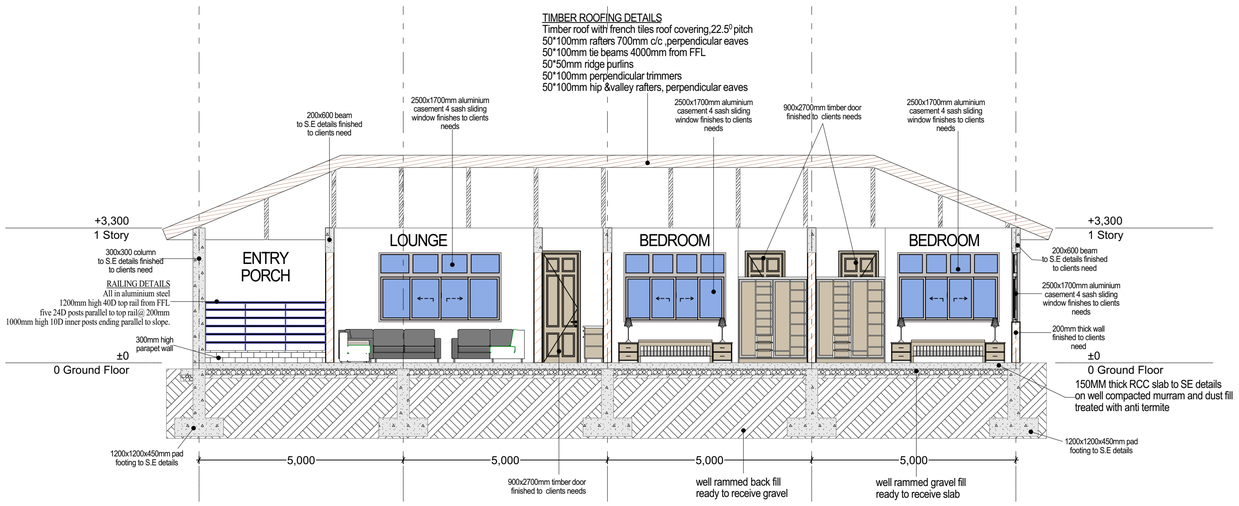
CHECKED BY: DR. ARCH RALWALA

ENG. YINAM

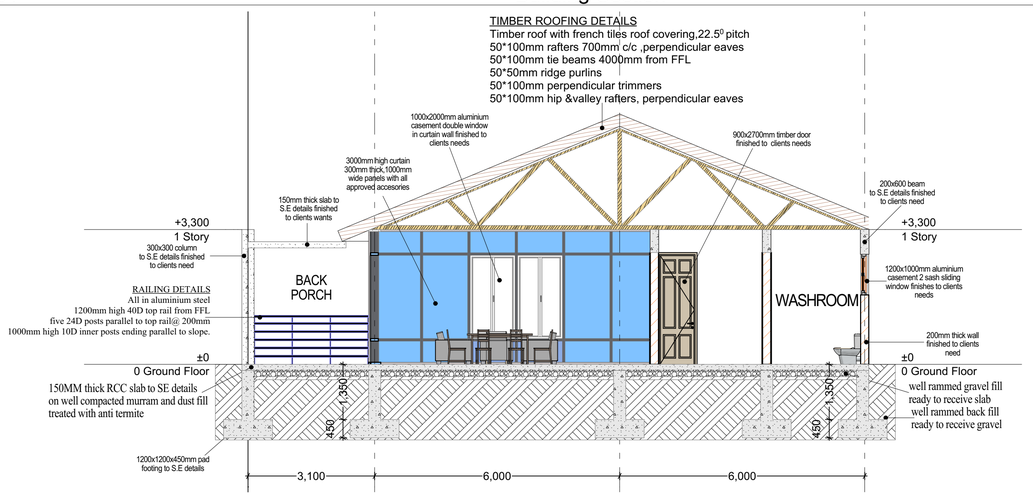
COURSE: INTERGRATED DESIGN STUDIO

COURSE CODE: BCM 413

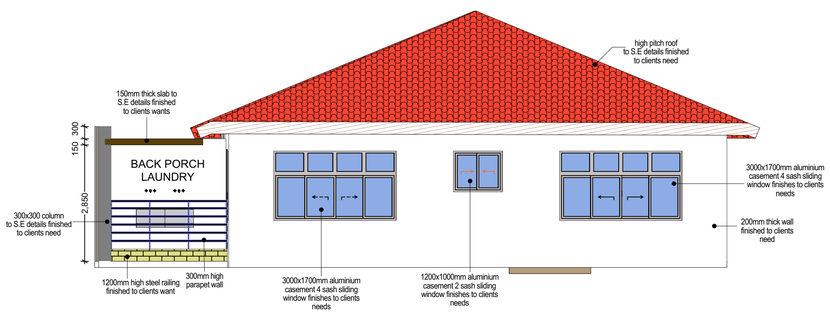
SCALE-1:75



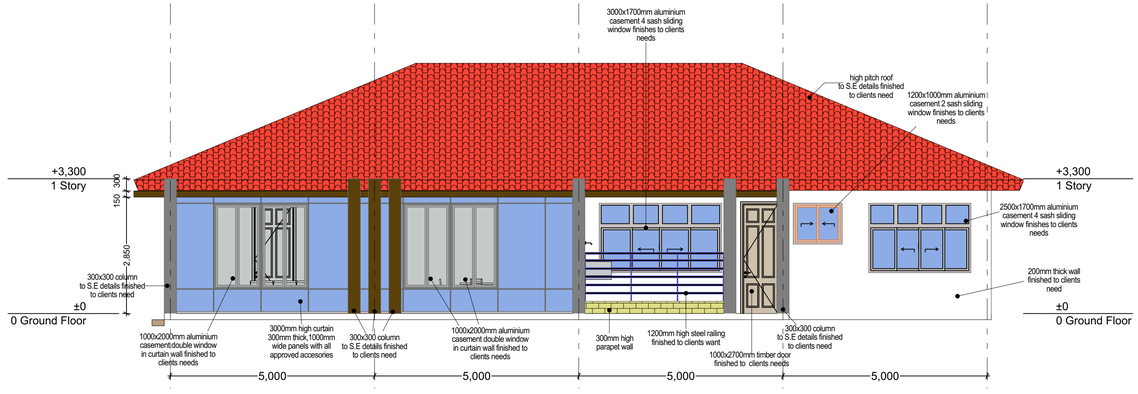
S-01 Building Section 1:75



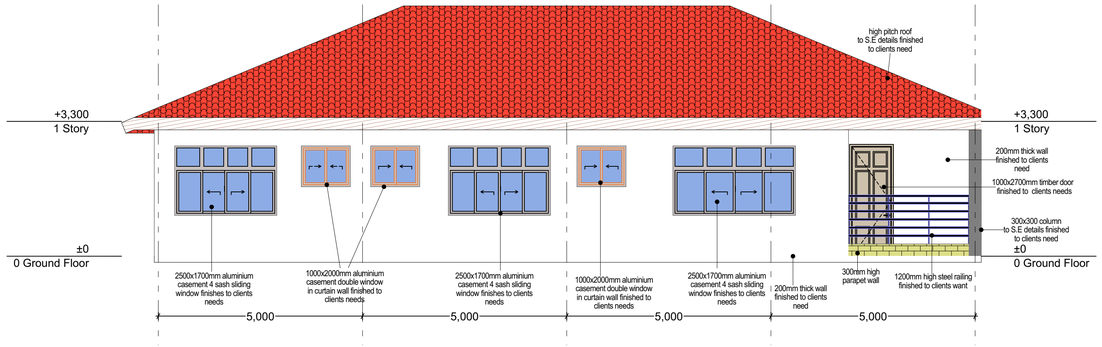
S-02 Building Section 1:75



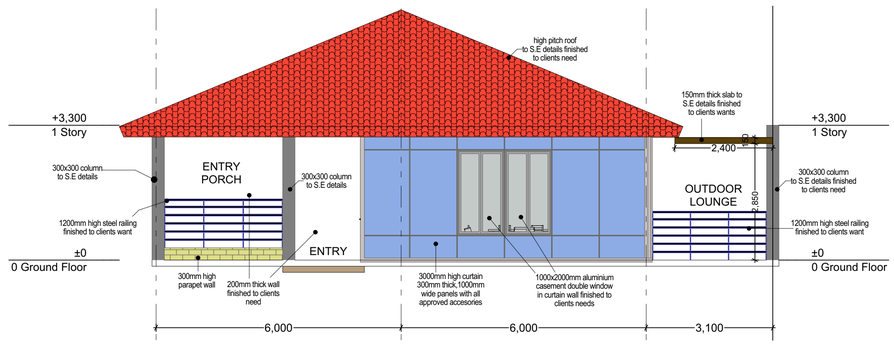
E-01 Elevation 1:75



E-03 Elevation 1:75



E-02 Elevation 1:75



E-04 Elevation 1:75

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REVISIONS

DATE:14-06-2024

PROJECT TITLE: THE FORUM

DRAWING TITLE: PLANS, SECTIONS & ELEVATIONS -CARETAKER

CLIENT:THE UNIVERSITY OF NAIROBI

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA

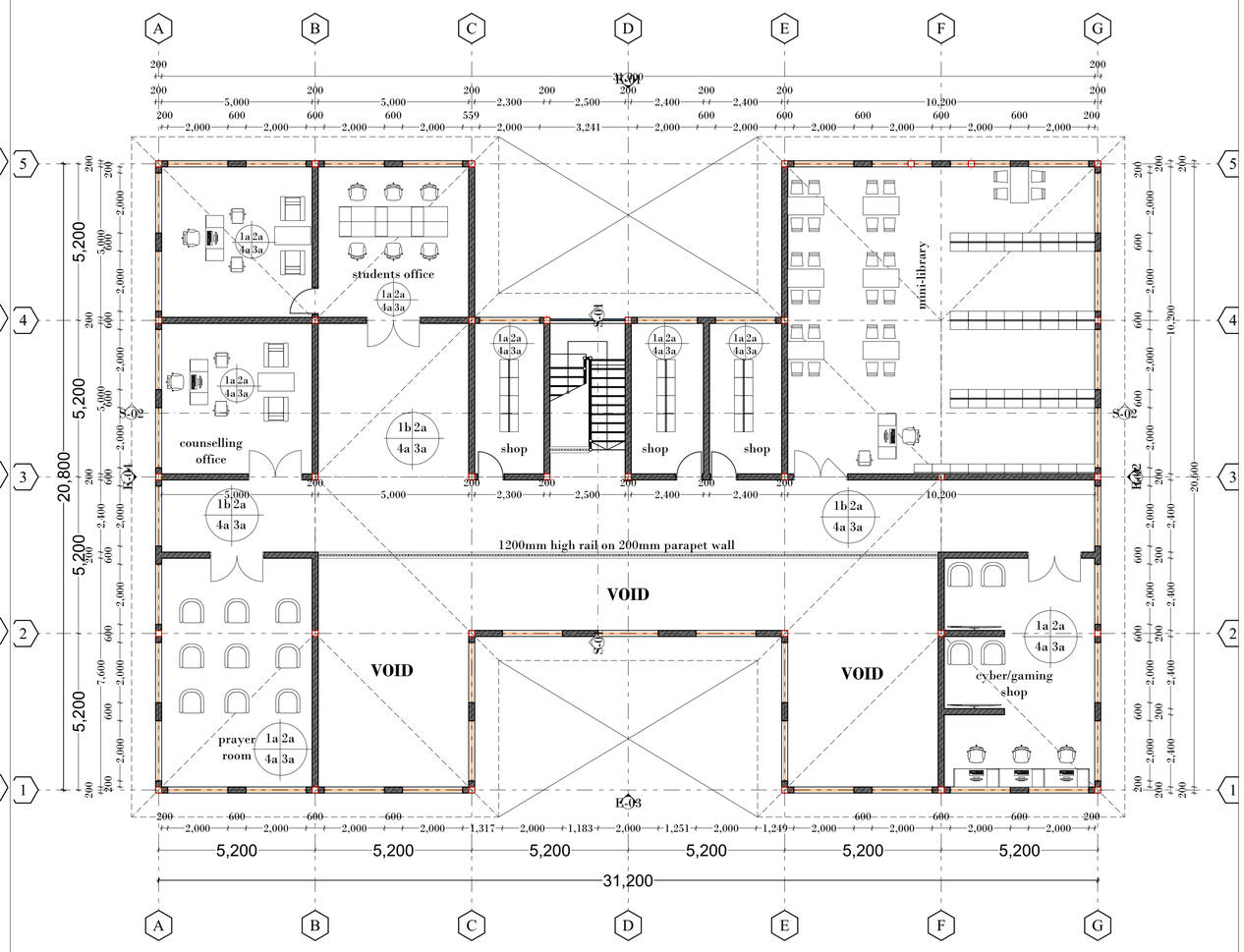
ENG. YINAM

COURSE: INTERGRATED DESIGN STUDIO

COURSE CODE: BCM 413

SCALE-1:75

A-001 GROUND FLOOR 1:100



A-002 1ST FLOOR 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS, ELAVATIONS, SECTIONS-STUDENT CENTRE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

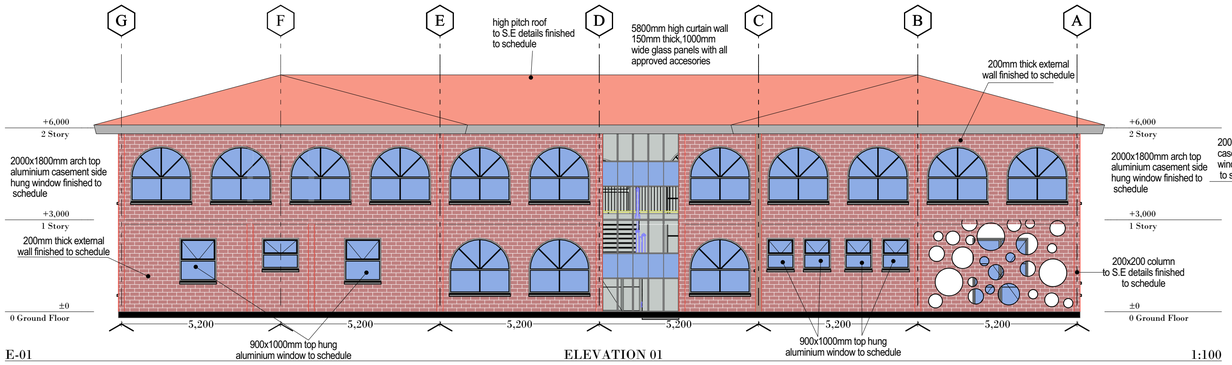
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

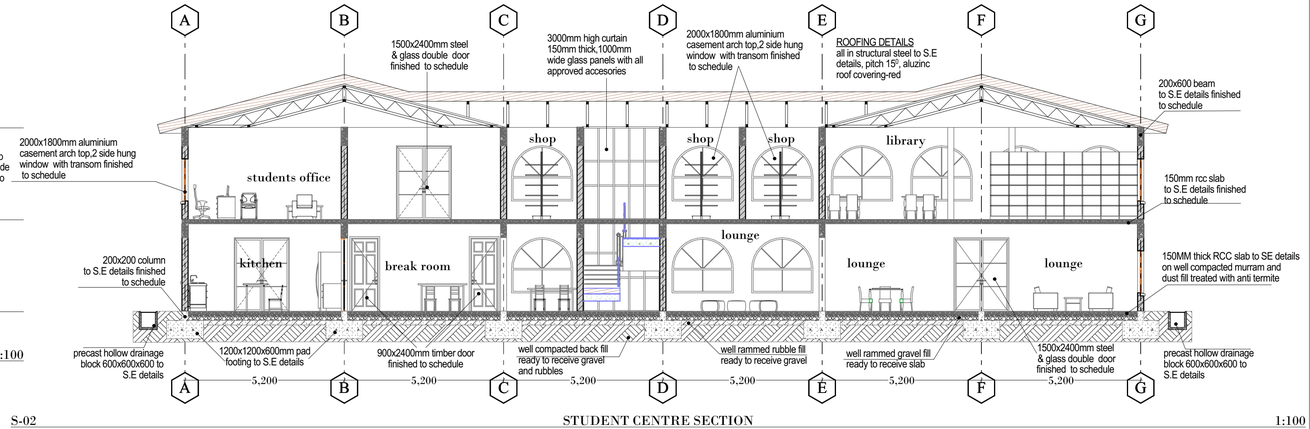
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

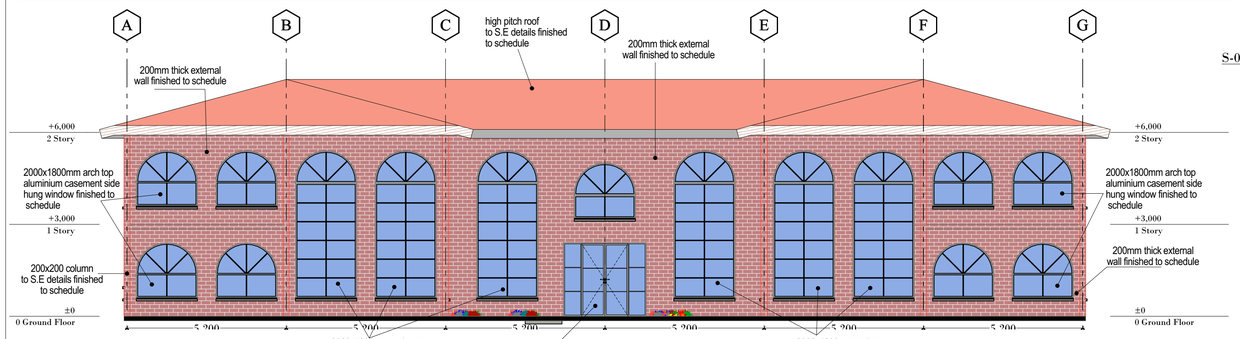
SCALE-1:100



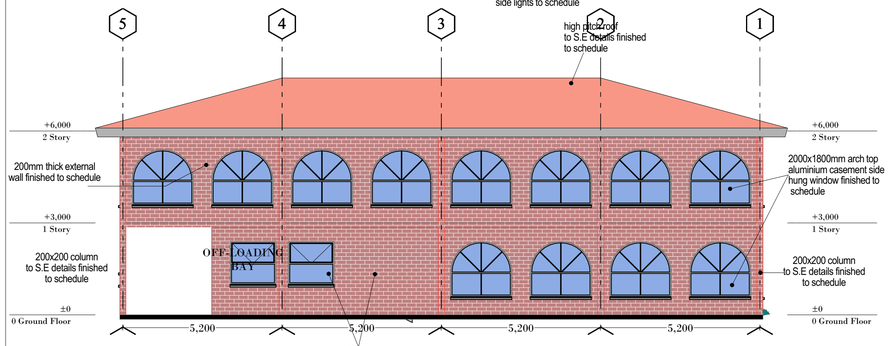
E-01 ELEVATION 01 1:100



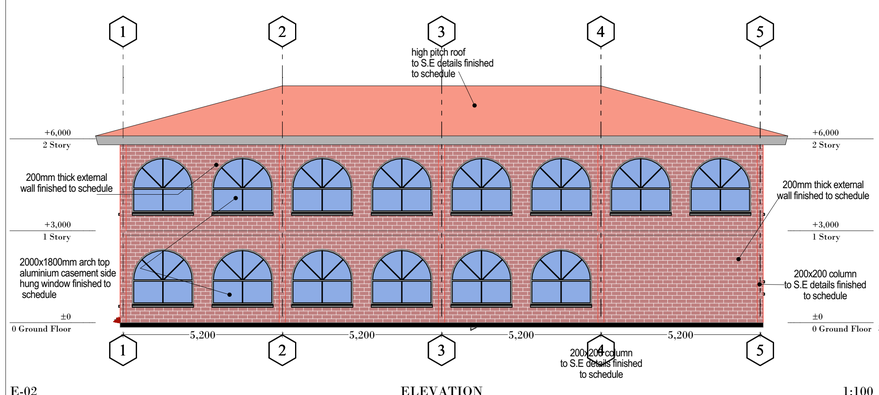
S-02 STUDENT CENTRE SECTION 1:100



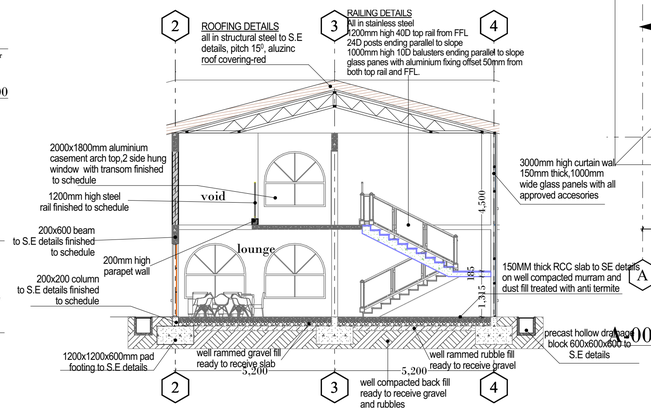
E-03 ELEVATION 1:100



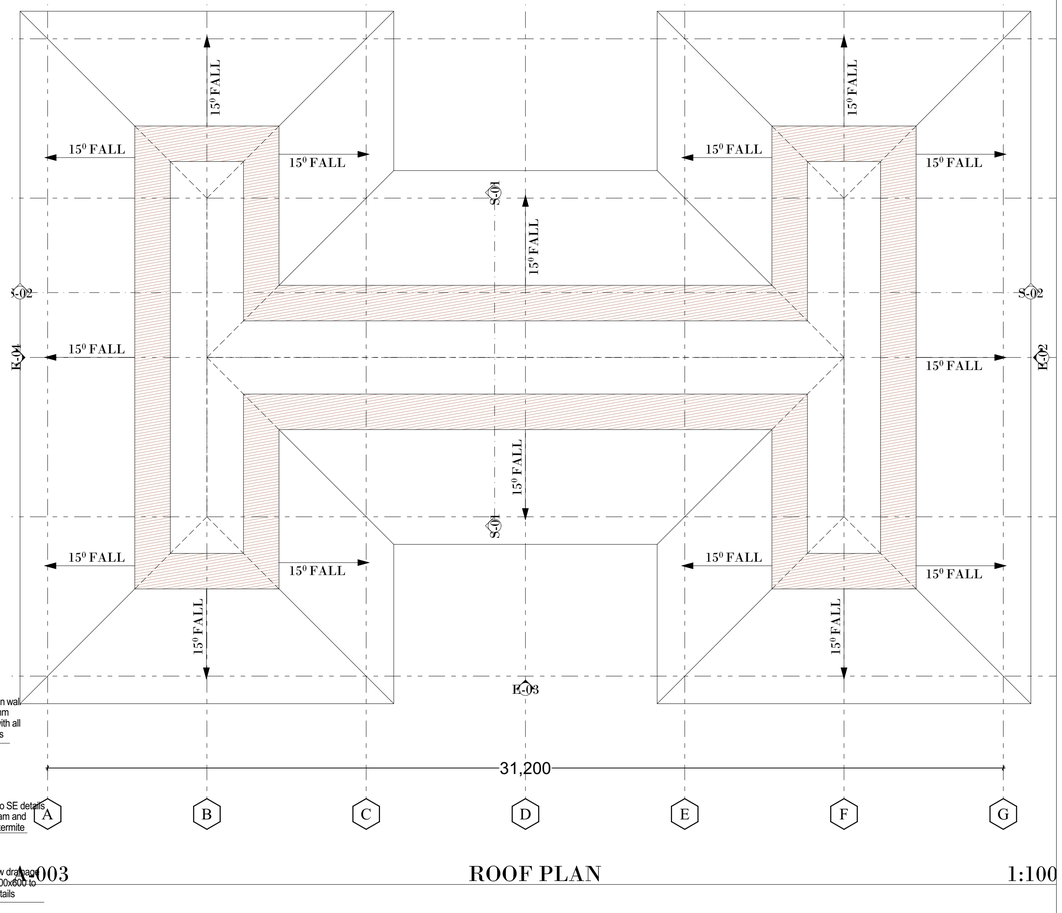
E-04 ELEVATION 1:100



E-02 ELEVATION 1:100



S-01 STUDENT CENTRE SECTION 1:100



A-003 ROOF PLAN 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS, ELAVATIONS, SECTIONS-STUDENT CENTRE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

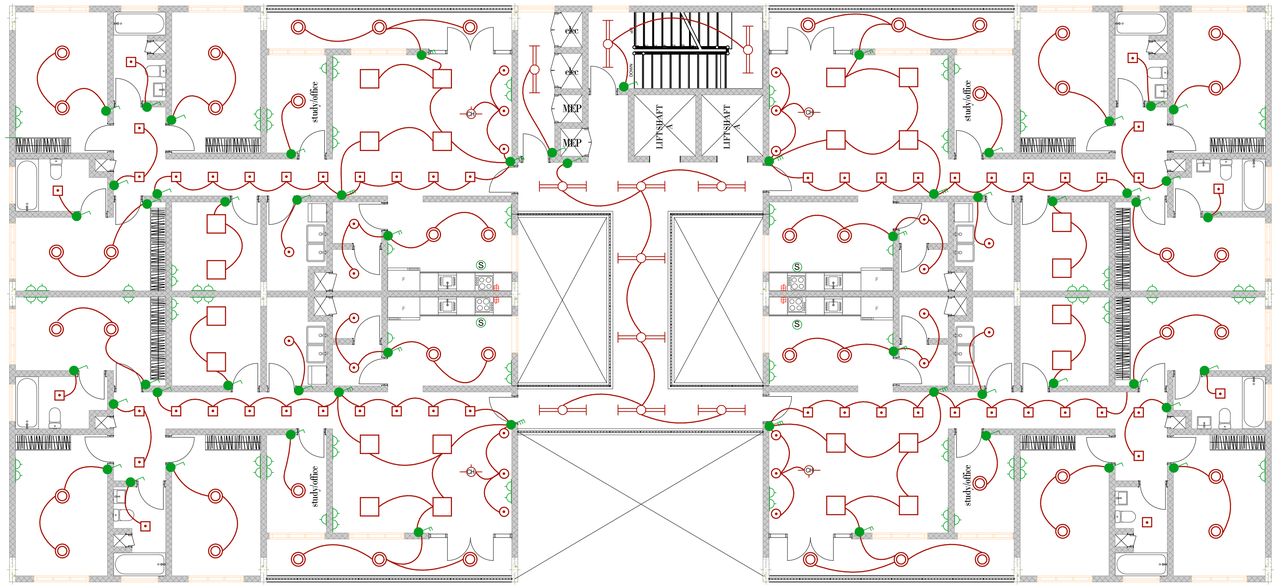
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

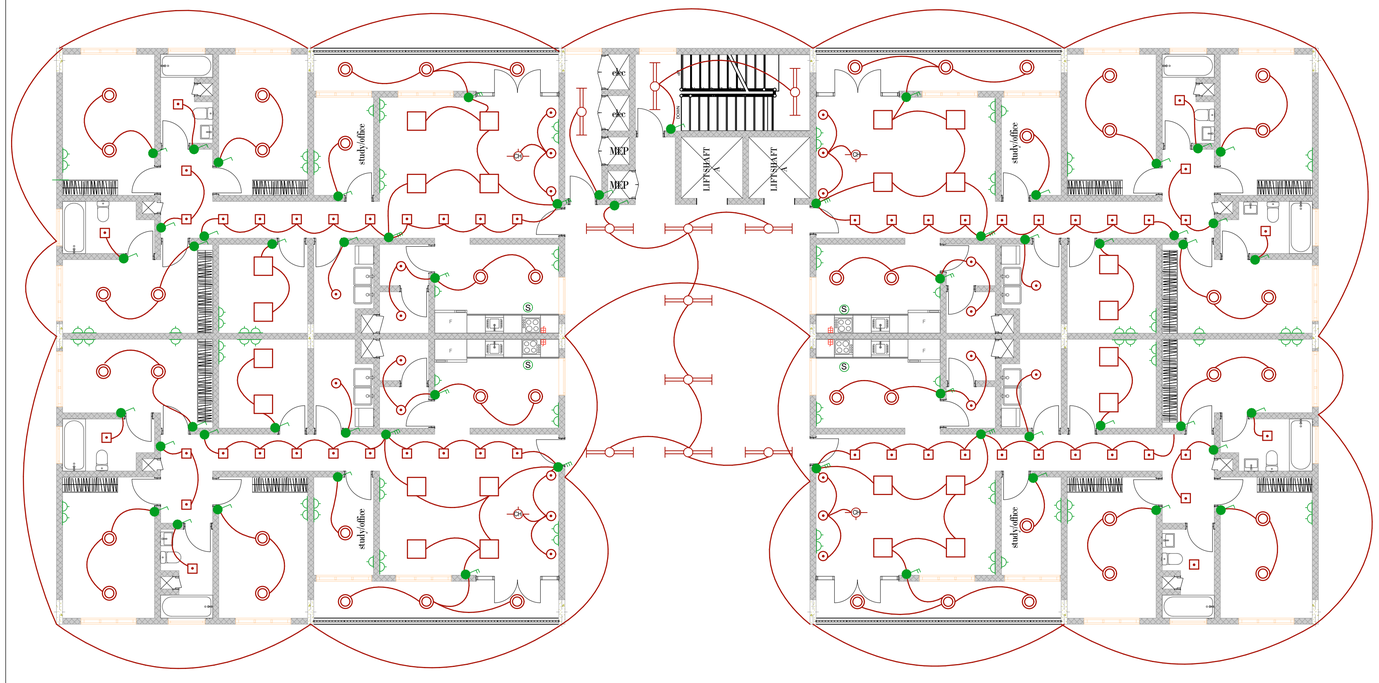
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

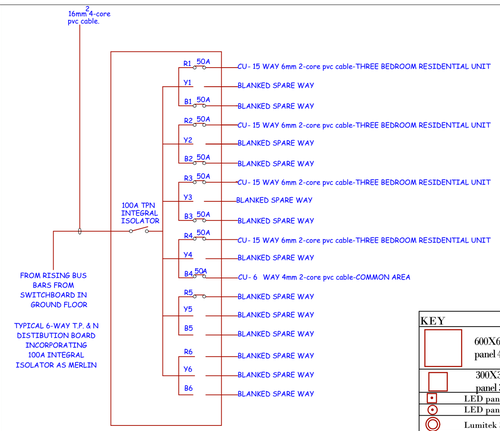
SCALE-1:100



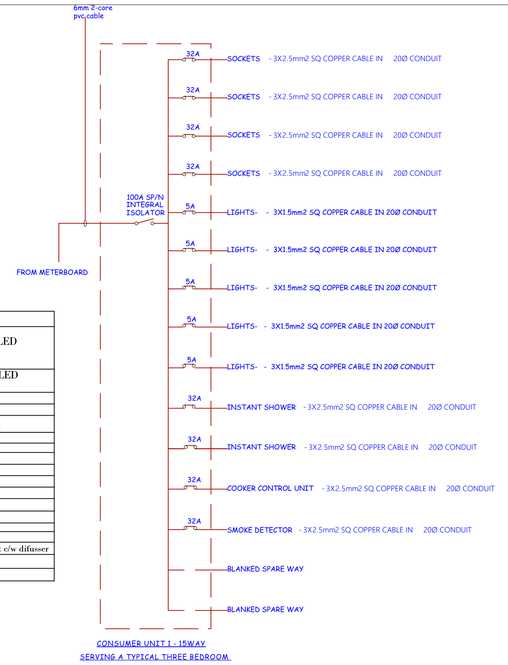
1ST FLOOR ELECTRICAL PLAN

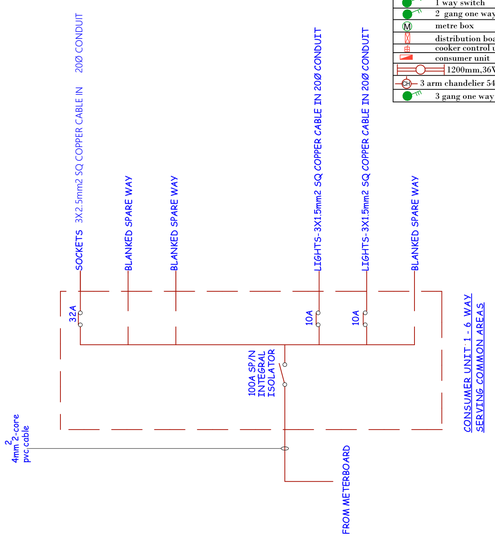


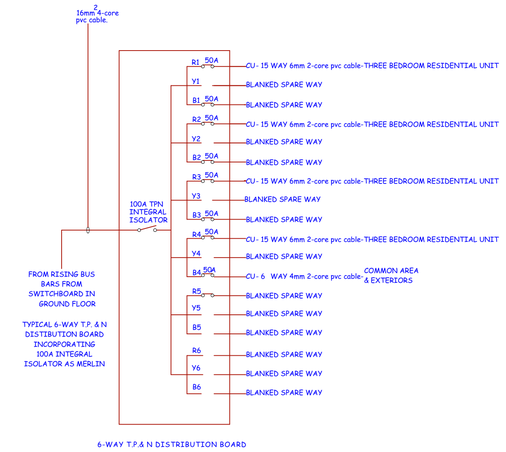
GROUND FLOOR ELECTRICAL PLAN

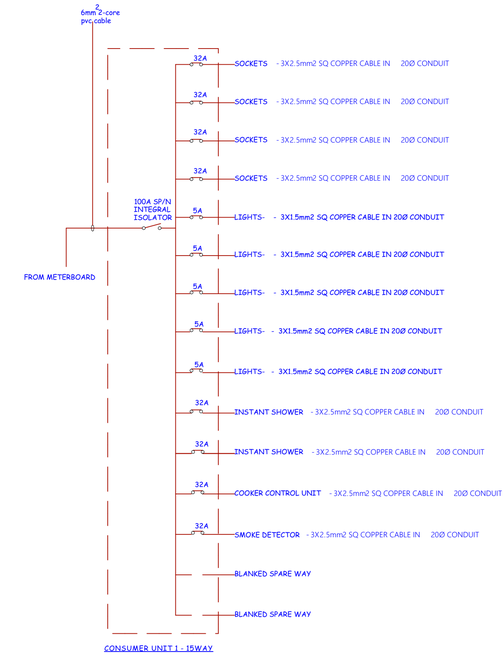


KEY	
	600X600MM recessed LED panel 40W
	300X300MM recessed LED panel 30W
	LED panel light 18W
	LED panel light 18W
	Lumitek 30W ceiling light
	13A single socket
	13A double socket
S	smoke detector
	2 way switch
	1 way switch
	2 gang one way switch
M	metre box
	distribution board
	cooker control unit
	consumer unit
	1200mm,36W florescent c/w difusser
	3 arm chandelier 54W
	3 gang one way switch









ELEC-001 STAFF RESIDENTIAL ELECTRICALS 1:100

NOTES:
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3. All sections are to be read as per floor plan and all drawings must be read in concert with each other. Any discrepancies must be notified immediately to the architect and clarified consulting the architectural or consultants drawing.

CONSTRUCTION
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150 mm above ground level.
5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
15. SVP (soil vent pipes) to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
17. All under ground foul and waste drainpipes shall be UPVC to comply to BSS 4514 & 5255.
18. The storm water drain to comply to BSS 556.
19. All inspection chamber covers and frames shall be cast iron to comply to BSS 497 table 6 grade C.
20. Minimum slopes in drainpipes shall be 1%.
21. No chases will be allowed in the slabs for pipes. Sleeves will be allowed with the written approval of the S.E.
22. All testing of pipes must be completed before plastering.
23. All mechanical work must be coordinated with electrical work. Any conflicts must be clarified before work begins.

ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
2			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ELECTRICAL PLANS & SCHEMATIC STAFF RESIDENCE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

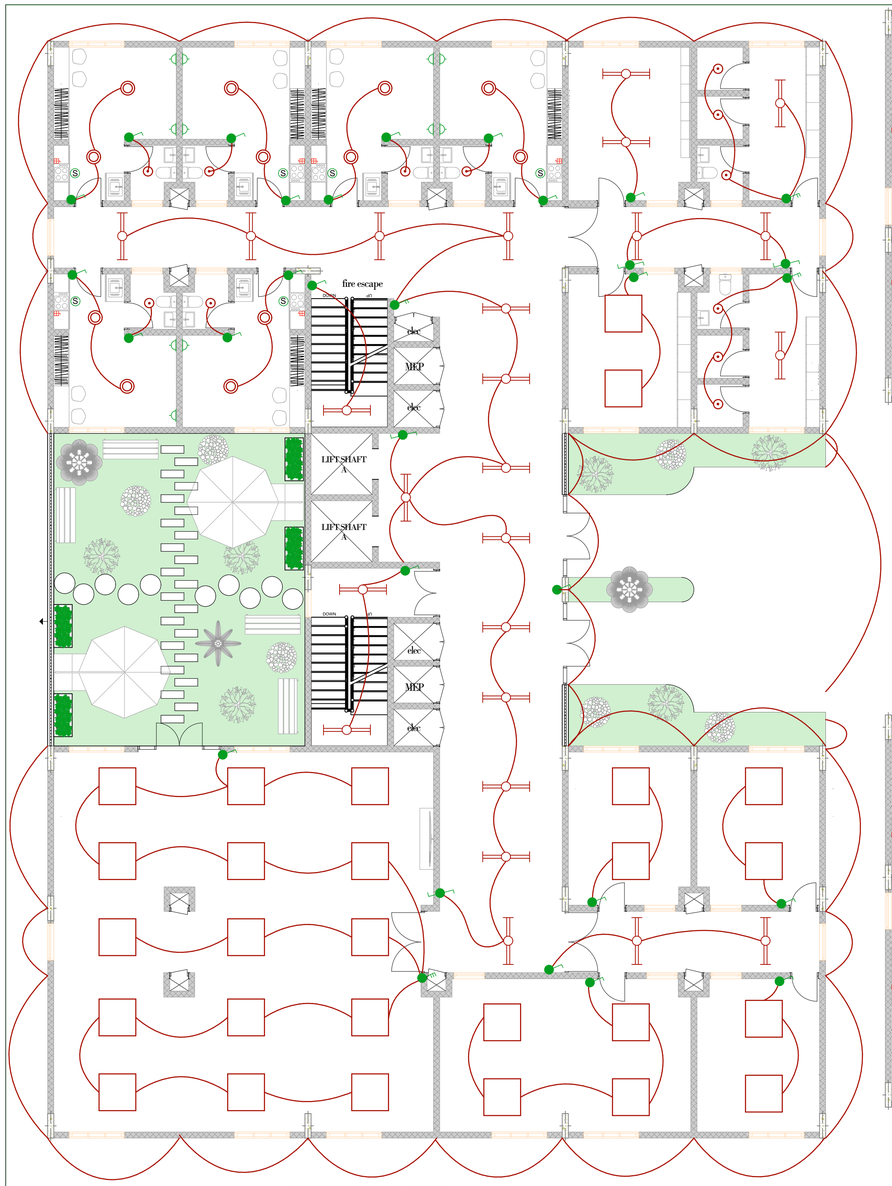
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

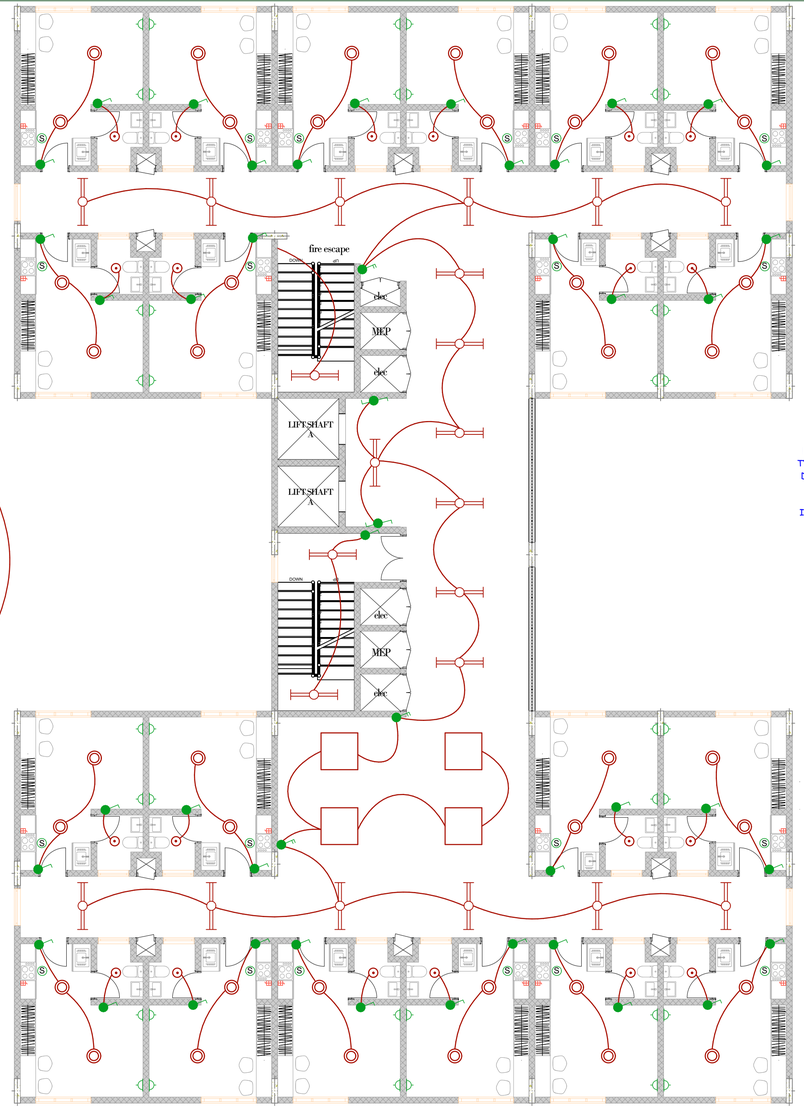
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100

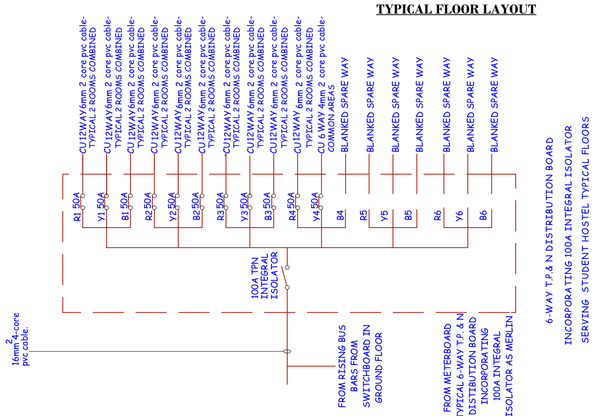


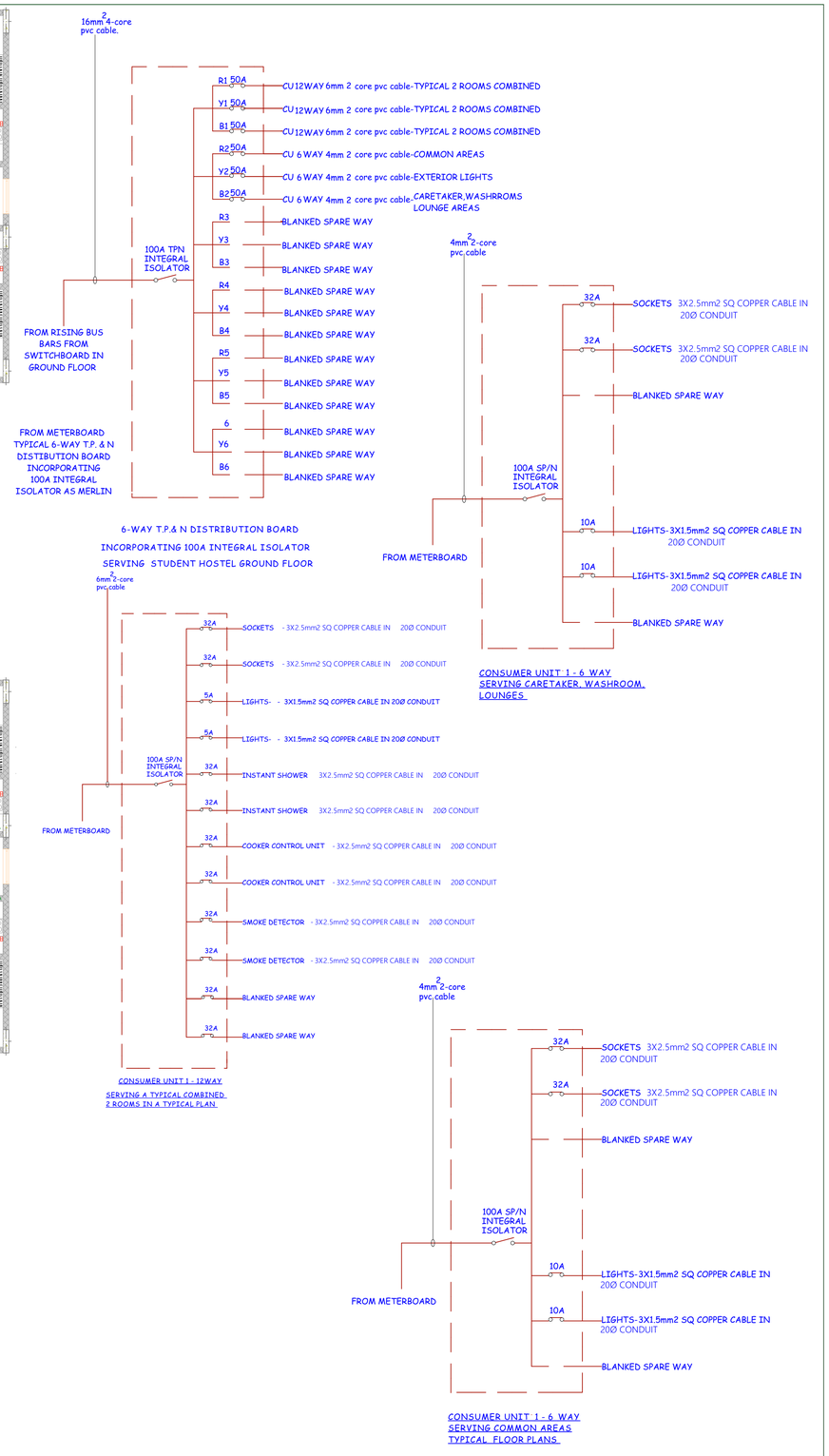
GROUND FLOOR LAYOUT



TYPICAL FLOOR LAYOUT

KEY	
	600X600MM recessed LED panel 40W
	300X300MM recessed LED panel 30W
	LED panel light 18W
	LED panel light 18W
	Lumitek 30W ceiling light
	13A single socket
	13A double socket
S	smoke detector
	2 way switch
	1 way switch
	2 gang one way switch
M	metre box
	distribution board
	cooker control unit
	consumer unit
	1200mm,36W florescent c/w difusser
	3 arm chandelier 54W
	3 gang one way switch





ENDS

NOTES

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6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL

8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL

9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL

12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
15. SVP (soil vent pipes) to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
17. All under ground foul and waste drainpipes shall be UPVC to comply to BSS 4514 & 5255.
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20. Minimum slopes in drainpipes shall be 1%.
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ELECTRICAL

24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

HOSTEL ELECTRICAL PLANS GF& TYPICAL

REVISIONS			
NO	DATE	DESCRIPTION	CHECKED BY
1			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ELECTRICAL PLANS & SCHEMATIC HOSTEL BLOCK

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

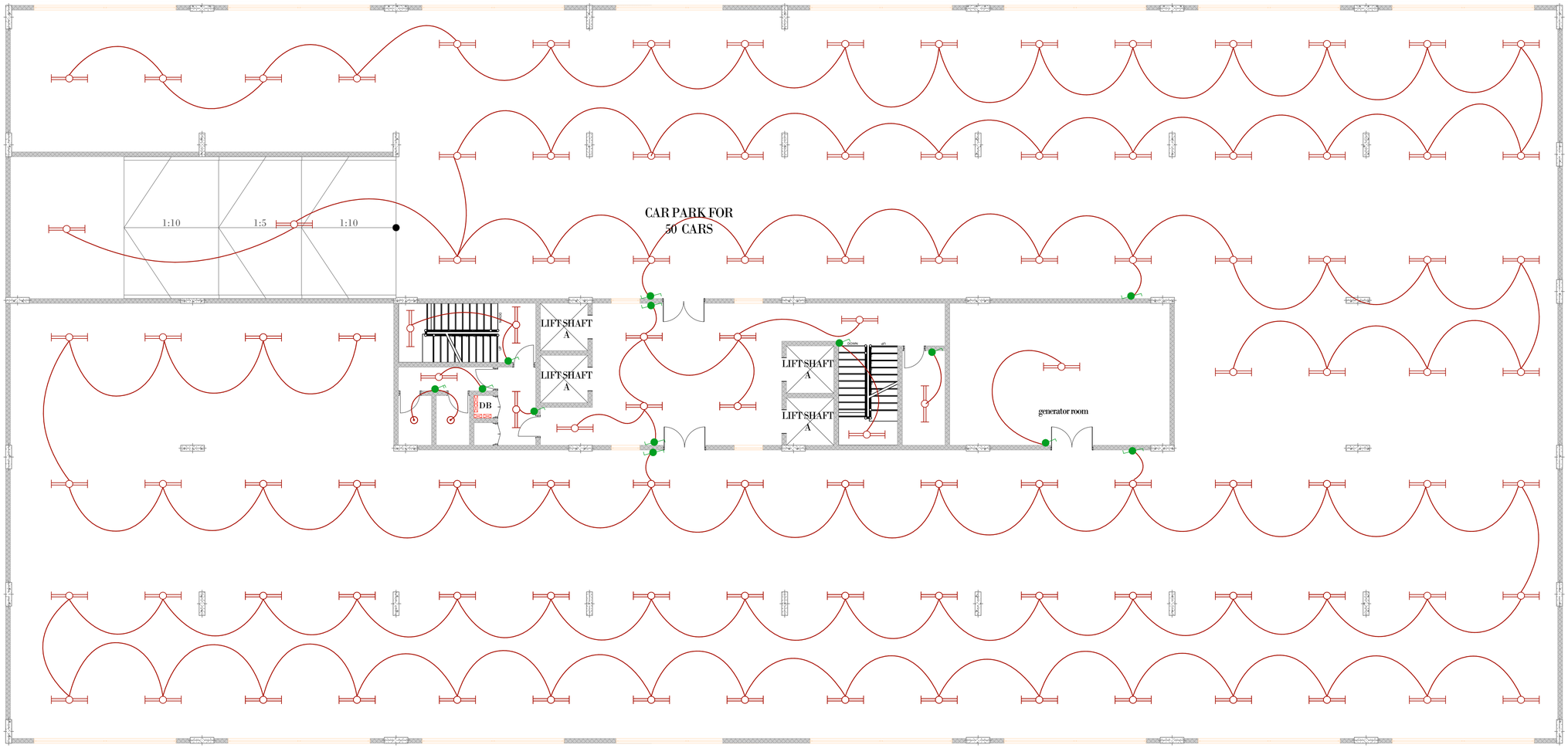
REGISTRATION NUMBER: B76/4701/2020

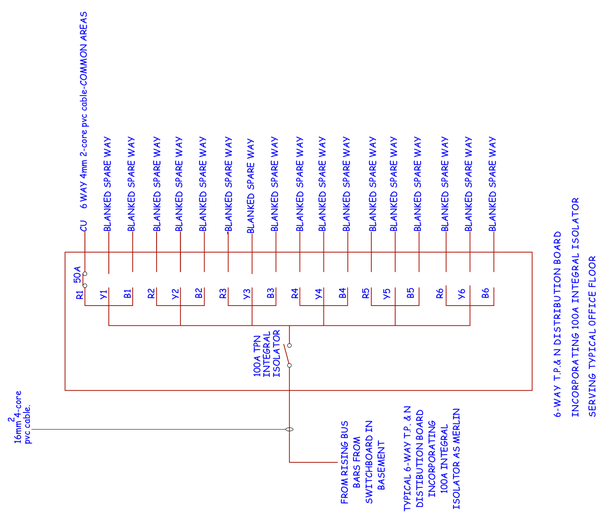
CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

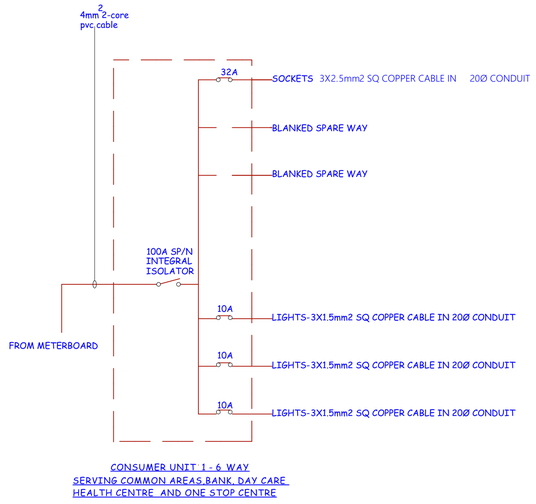
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100 1:100







KEY

	600X600MM recessed LED panel 40W
	300X300MM recessed LED panel 30W
	LED panel light 18W
	LED panel light 18W
	Lumitek 30W ceiling light
	13A single socket
	13A double socket
S	smoke detector
	2 way switch
	1 way switch
	2 gang one way switch
M	metre box
	distribution board
	cooker control unit
	consumer unit
	1200mm,36W florescent c/w difusser
	3 arm chandelier 54W
	3 gang one way switch

BASEMENT ELLECTRICAL PLAN & SCHEMTAIC

ELEC-003

ADMIN BLOCK BASEMENT

1:100

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CIVIL
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STRUCTURAL
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10. Depth of foundation to be determined on site to S.E's approval.
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MECHANICAL
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23. All mechanical work must be coordinated with electrical work. Any conflicts must be clarified before work begins.

ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ELECTRICAL PLANS -ADMIN,CLASSES, LABS, WORKSHOP

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

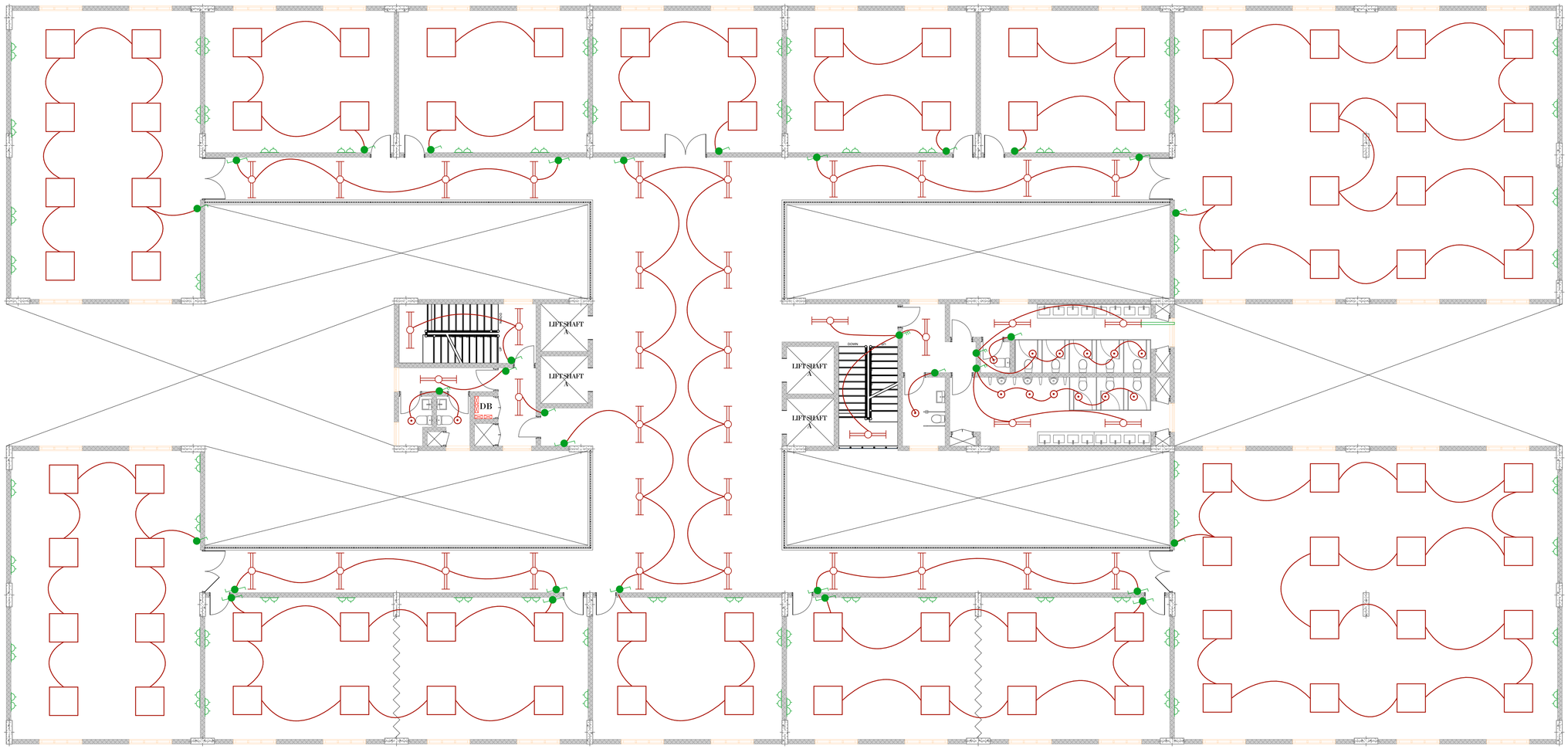
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA
DR. KIVINDU
DR. KARIUKI
ENG. YINAM
QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

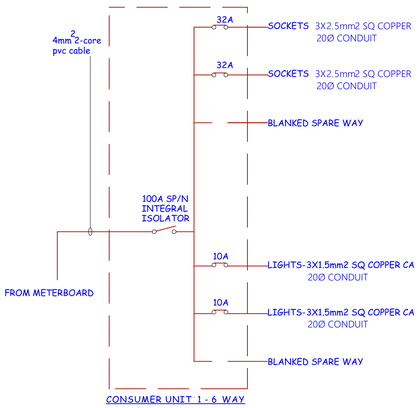
COURSE CODE: BCM 410

SCALE-1:100

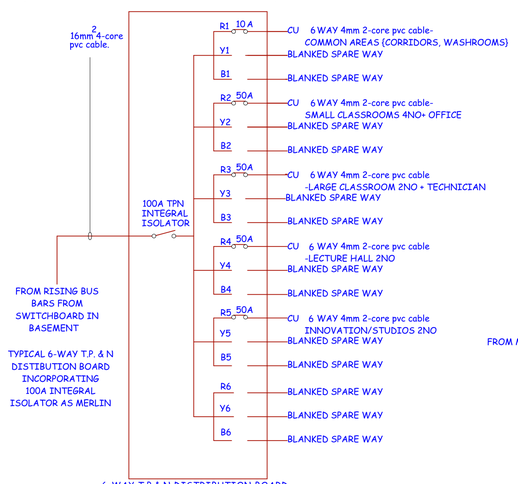


KEY

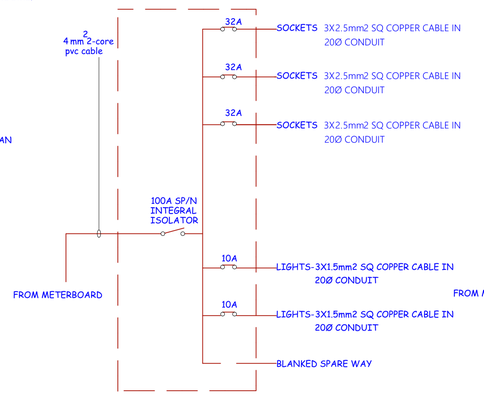
	600X600MM recessed LED panel 40W
	300X300MM recessed LED panel 30W
	LED panel light 18W
	LED panel light 18W
	Lumitek 30W ceiling light
	13A single socket
	13A double socket
S	smoke detector
	2 way switch
	1 way switch
	2 gang one way switch
M	metre box
DB	distribution board
CU	cooker control unit
	consumer unit
	1200mm,36W florescent c/w difusser
	3 arm chandelier 54W
	3 gang one way switch



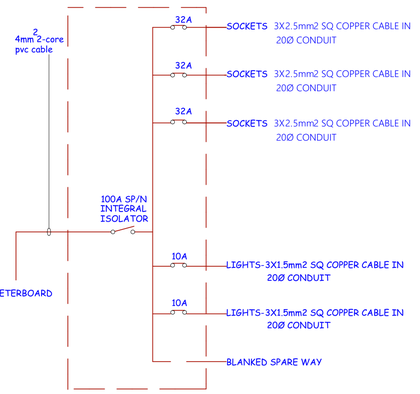
CONSUMER UNIT 1 - 6 WAY
SERVING LABORATORIES TYPICAL FLOOR PLAN



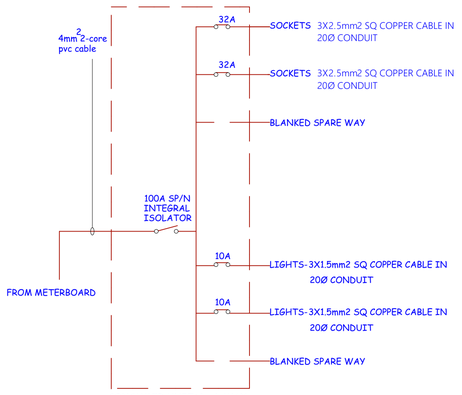
6-WAY T.P.& N DISTRIBUTION BOARD
INCORPORATING 100A INTEGRAL ISOLATOR
SERVING TYPICAL OFFICE FLOOR



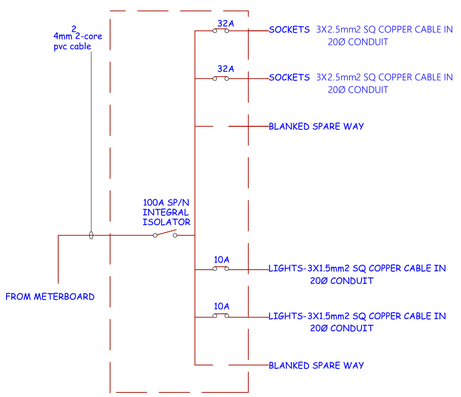
CONSUMER UNIT 1 - 6 WAY
SERVING 4 SMALL CLASSROM,OFFICE, 1 LECTURE 1 STUDIO/EXHIBITION TYPICAL FLOOR PLAN



CONSUMER UNIT 1 - 6 WAY
SERVING 2 LARGE CLASSROM,TECHNICIAN, 1 LECTURE 1 STUDIO/EXHIBITION TYPICAL FLOOR PLAN



CONSUMER UNIT 1 - 6 WAY
SERVING COMMON AREAS TYPICAL FLOOR PLANS



CONSUMER UNIT 1 - 6 WAY
SERVING WORKSHOP TYPICAL FLOOR PLAN

TYPICAL ELECTRICAL & SCHEMATIC CEILING PLANS

ELEC 006 ELECTRICAL 1:100

NOTES:
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6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
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STRUCTURAL
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10. Depth of foundation to be determined on site to S.E's approval.
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MECHANICAL
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NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ELECTRICAL PLANS -ADMIN,CLASSES, LABS, WORKSHOP

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

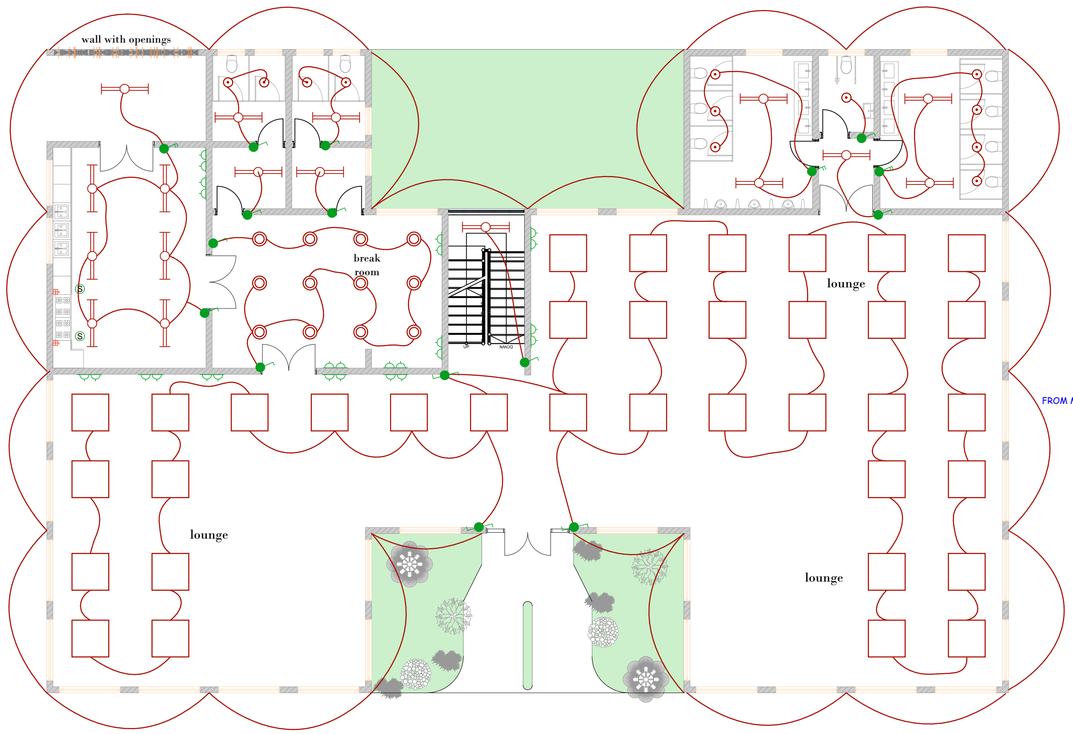
REGISTRATION NUMBER: B76/4701/2020

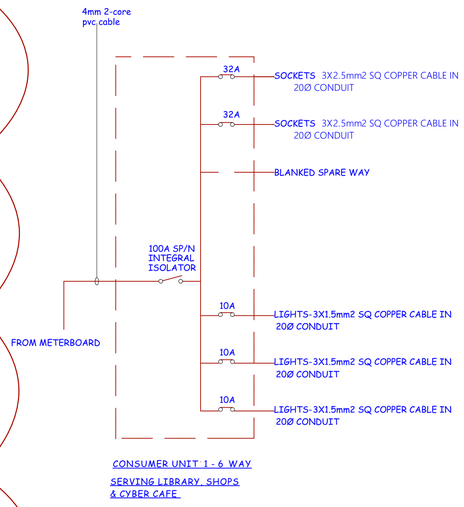
CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

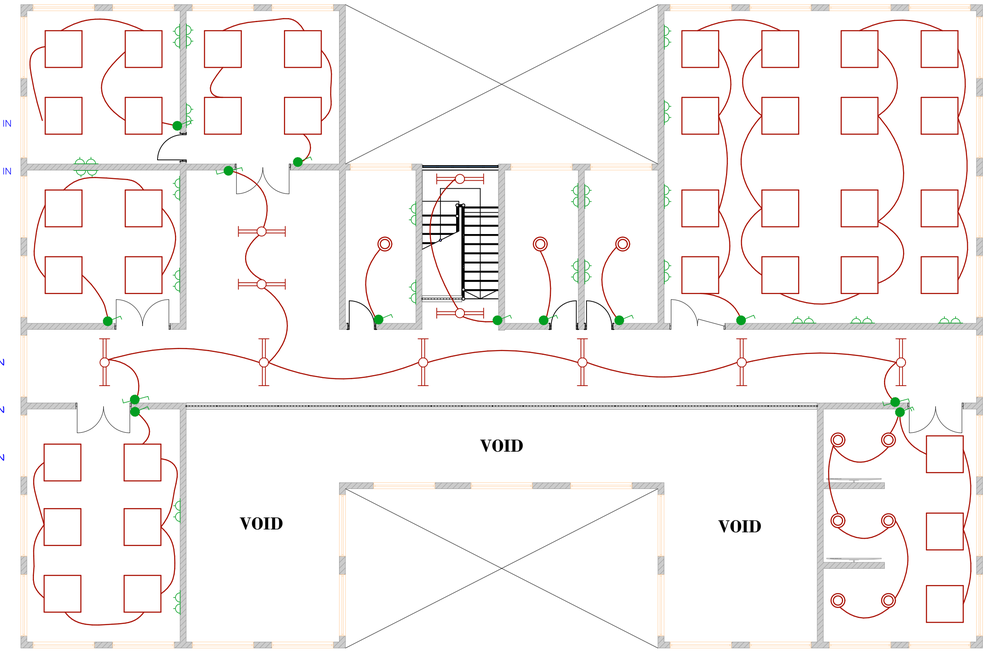
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100

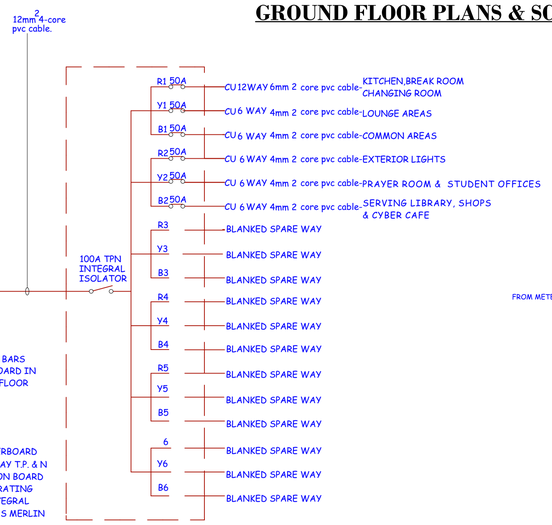


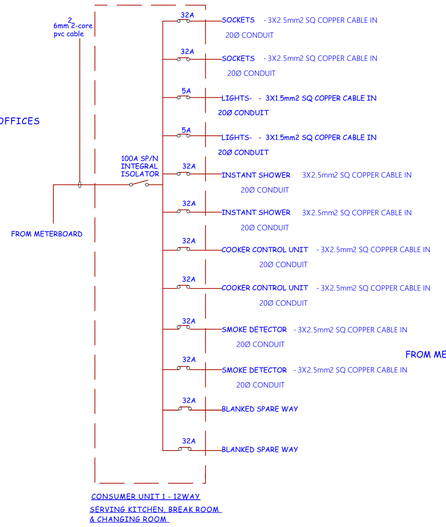


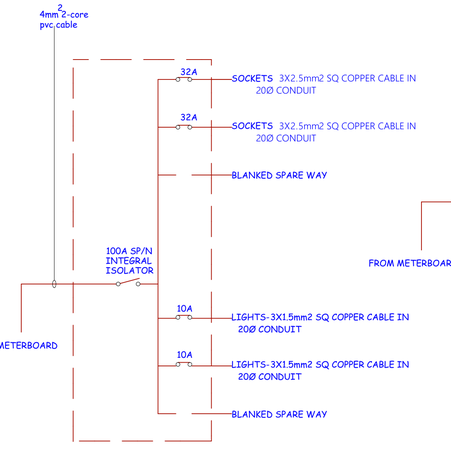


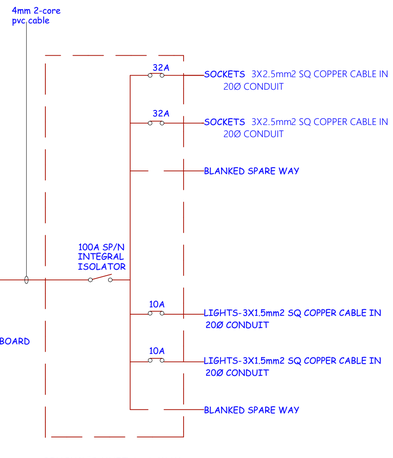
1ST FLOOR PLANS & SCHEMATIC

GROUND FLOOR PLANS & SCHEMATIC









KEY	
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	LED panel light 18W
	LED panel light 18W
	Lumitek 30W ceiling light
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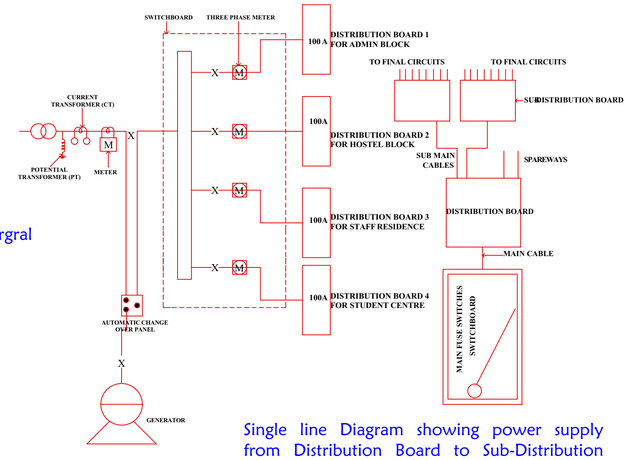
	2 way switch
	1 way switch
	2 gang one way switch
M	metre box
	distribution board
	cooker control unit
	consumer unit
	1200mm,36W florescent c/w difusser
	3 arm chandelier 54W
	3 gang one way switch

Diagram showing power supply from Transformer and Generator



intergral

Single line Diagram showing power supply from Distribution Board to Sub-Distribution Boards

ELEC-008 STUDENT CENTRE 1:100

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22. All testing of pipes must be completed before plastering.
23. All mechanical work must be coordinated with electrical work. Any conflicts must be clarified before work begins.

ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: ELECTRICAL PLANS -STUDENT CENTRE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

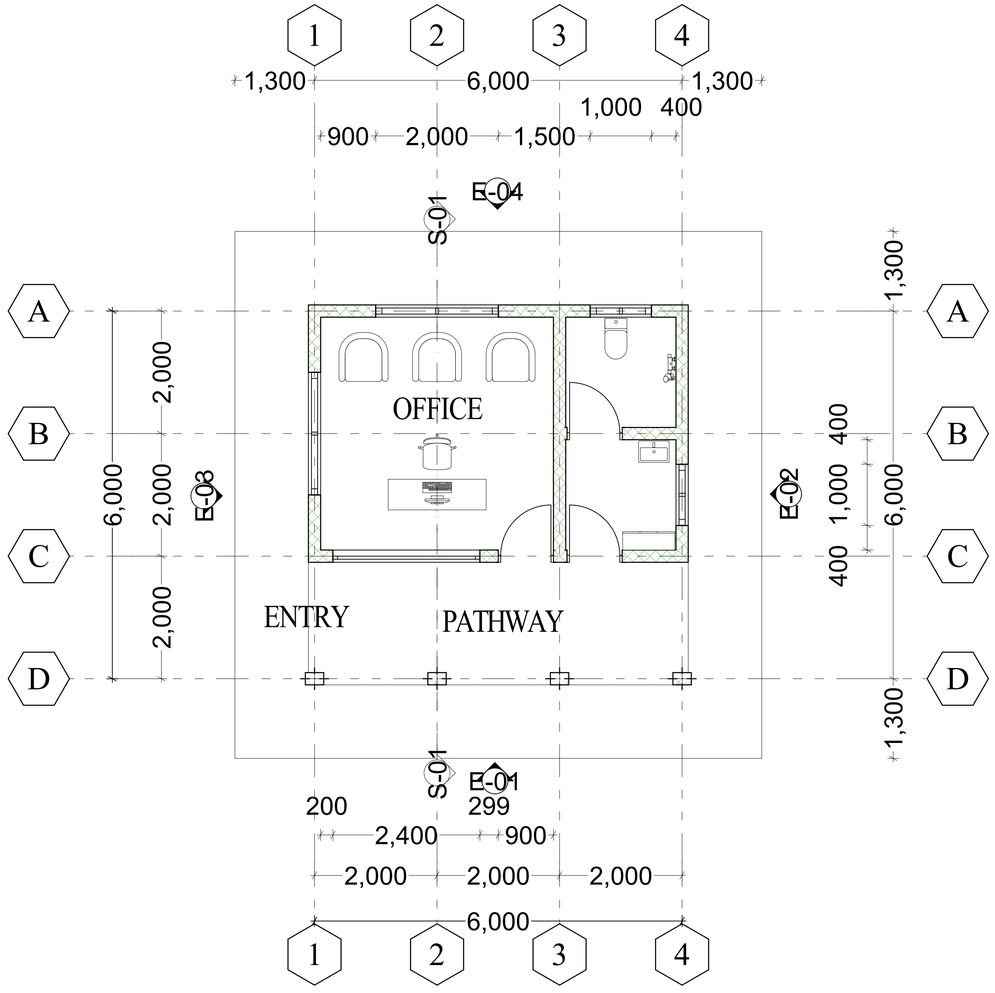
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

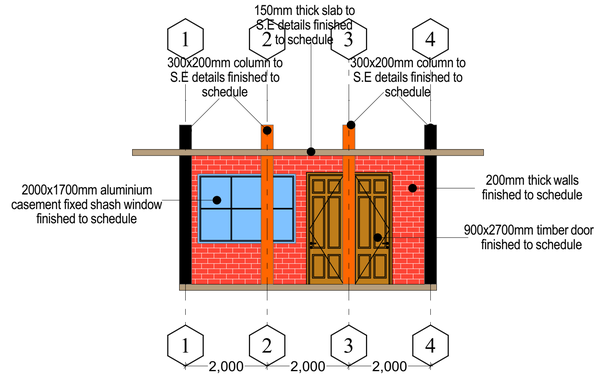
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

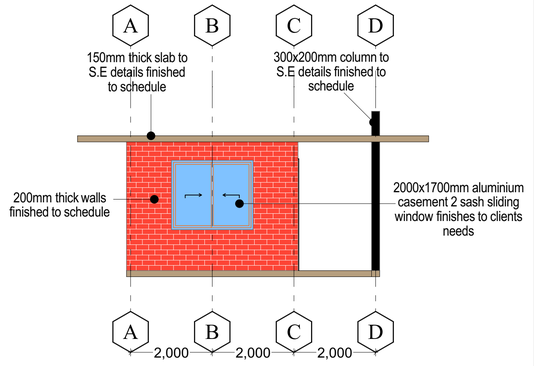
SCALE-1:100



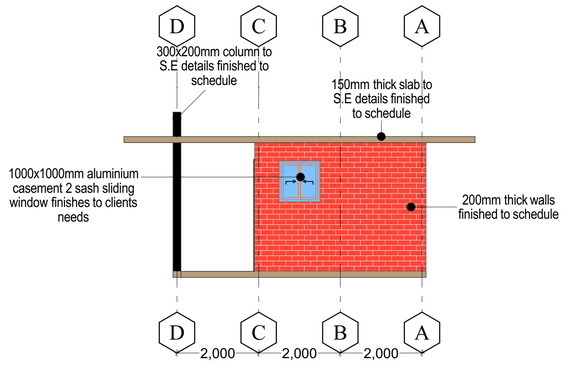
A-001 GROUND FLOOR 1:50



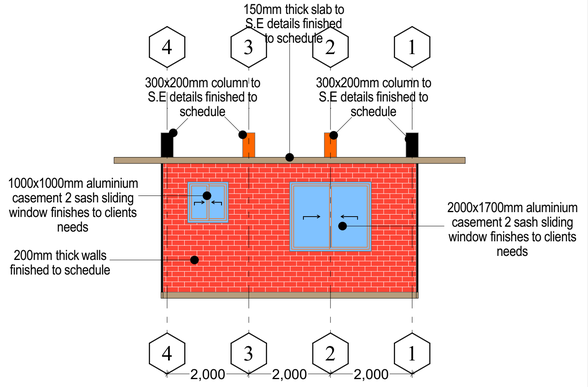
E-01 Elevation 1:75



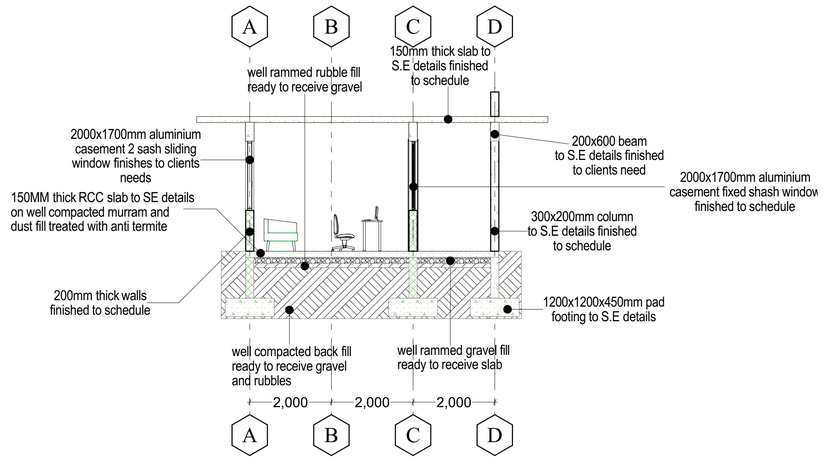
E-03 Elevation 1:75



E-02 Elevation 1:75



E-04 Elevation 1:75



S-01 Building Section 1:75

NOTES:
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CONSTRUCTION
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150 mm above ground level.
5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
15. SVP (soil vent pipes) to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
17. All under ground foul and waste drainpipes shall be UPVC to comply to BSS 4514 & 5255.
18. The storm water drain to comply to BSS 556.
19. All inspection chamber covers and frames shall be cast iron to comply to BSS 497 table 6 grade C.
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ELECTRICAL
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NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
2			
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DATE:14-06-2024

PROJECT TITLE: THE FORUM

DRAWING TITLE: PLANS, SECTIONS & ELEVATIONS -GUARD HOUSE

CLIENT:THE UNIVERSITY OF NAIROBI

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

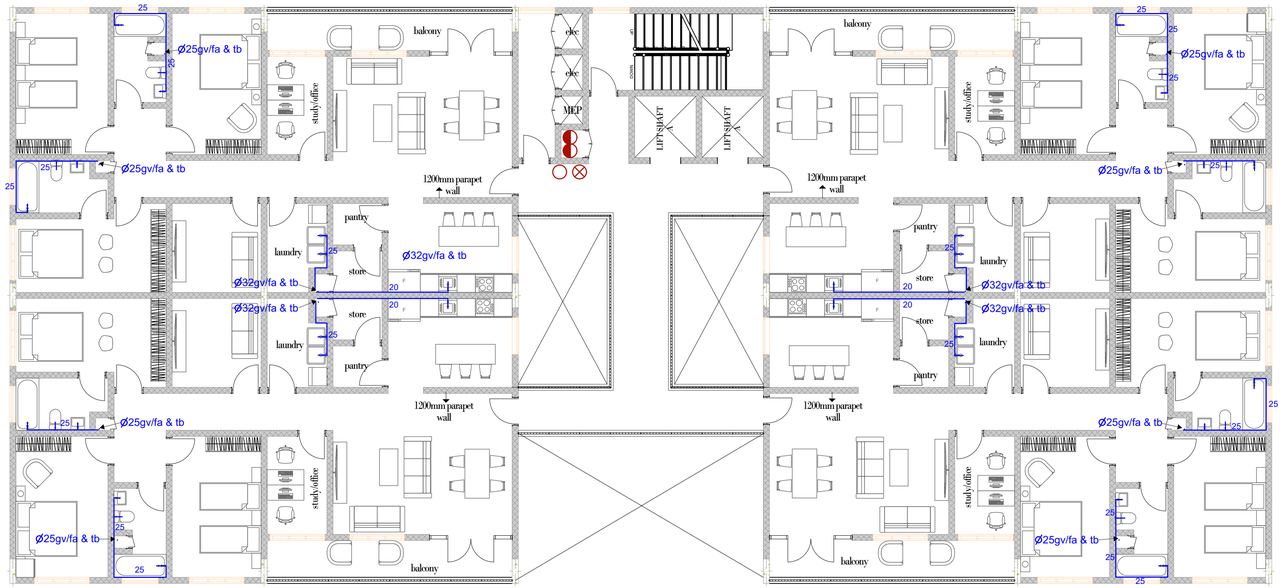
CHECKED BY: DR. ARCH RALWALA

ENG. YINAM

COURSE: INTERGRATED DESIGN STUDIO

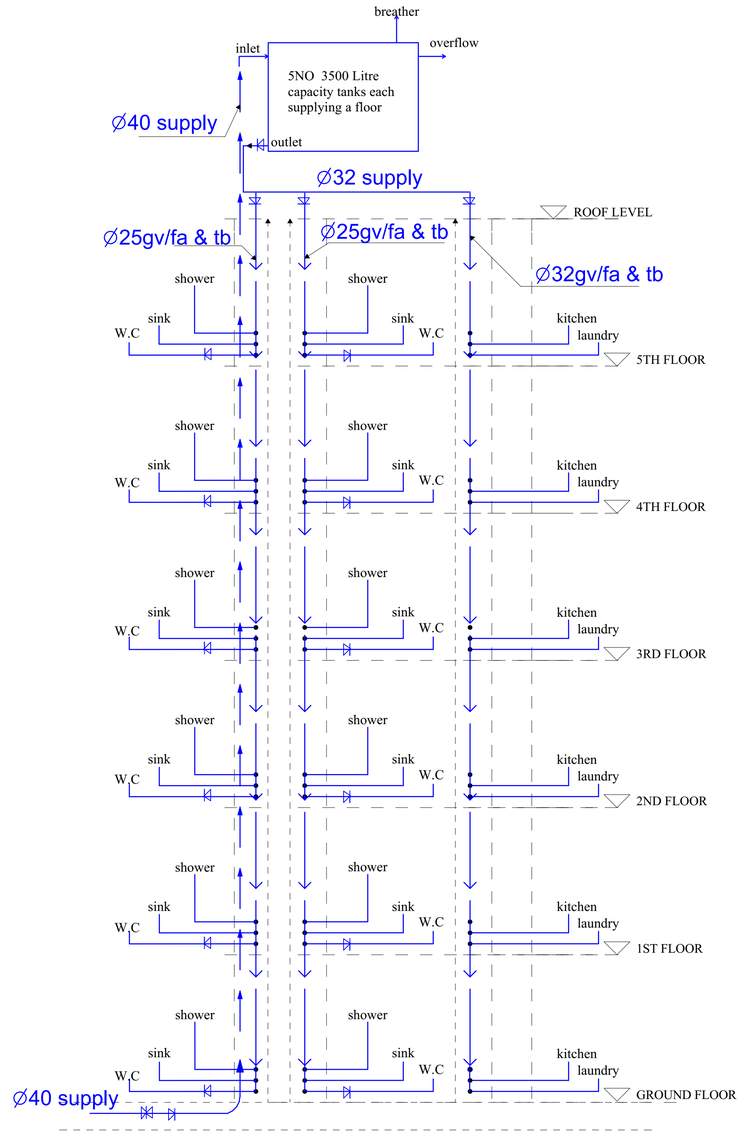
COURSE CODE: BCM 413

SCALE-1:75



TYPICAL FLOOR PLAN SUPPLY & FIRE FIGHTING

STAFF RESIDENCE TYPICAL SUPPLY PER HOUSE SCHEMATIC



MEC-001

STAFF SUPPLY

1:100

NOTES:
1. All measurements are shown in millimeters. Drawings not to be scaled. Only figured dimensions to be used.
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CIVIL
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STRUCTURAL
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10. Depth of foundation to be determined on site to S.E's approval.
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NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
2			
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5			

DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE:MECHANICAL PLANS PLUMBING/DRAINAGE/FIRE FIGHTING

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

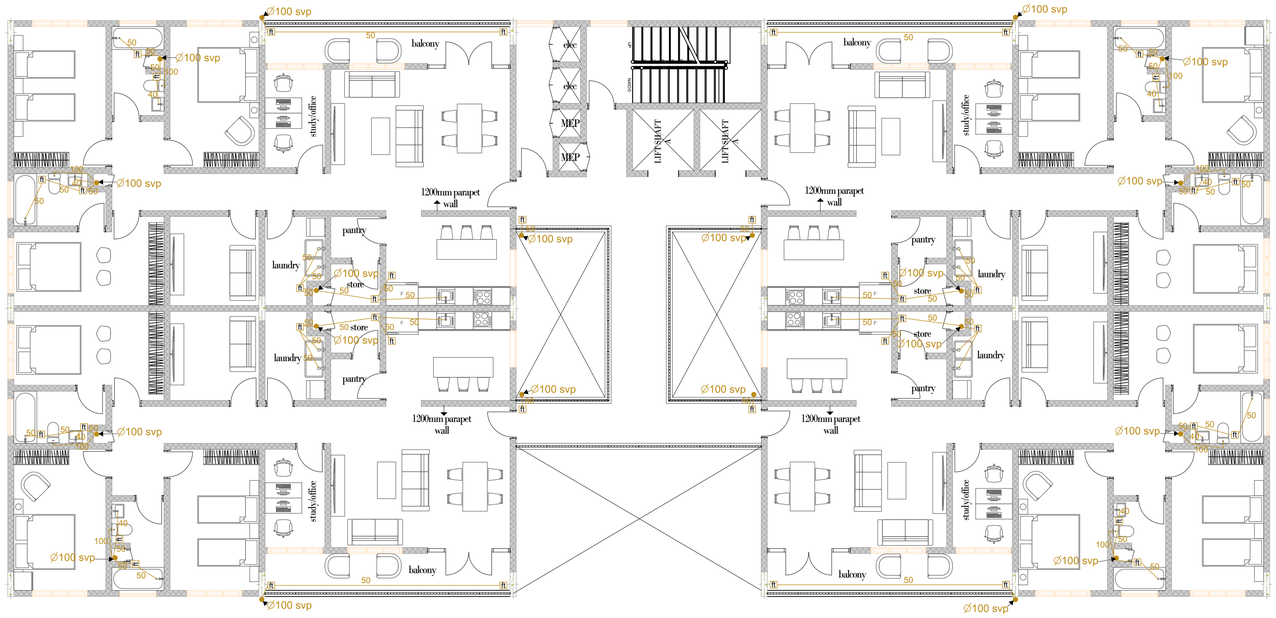
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

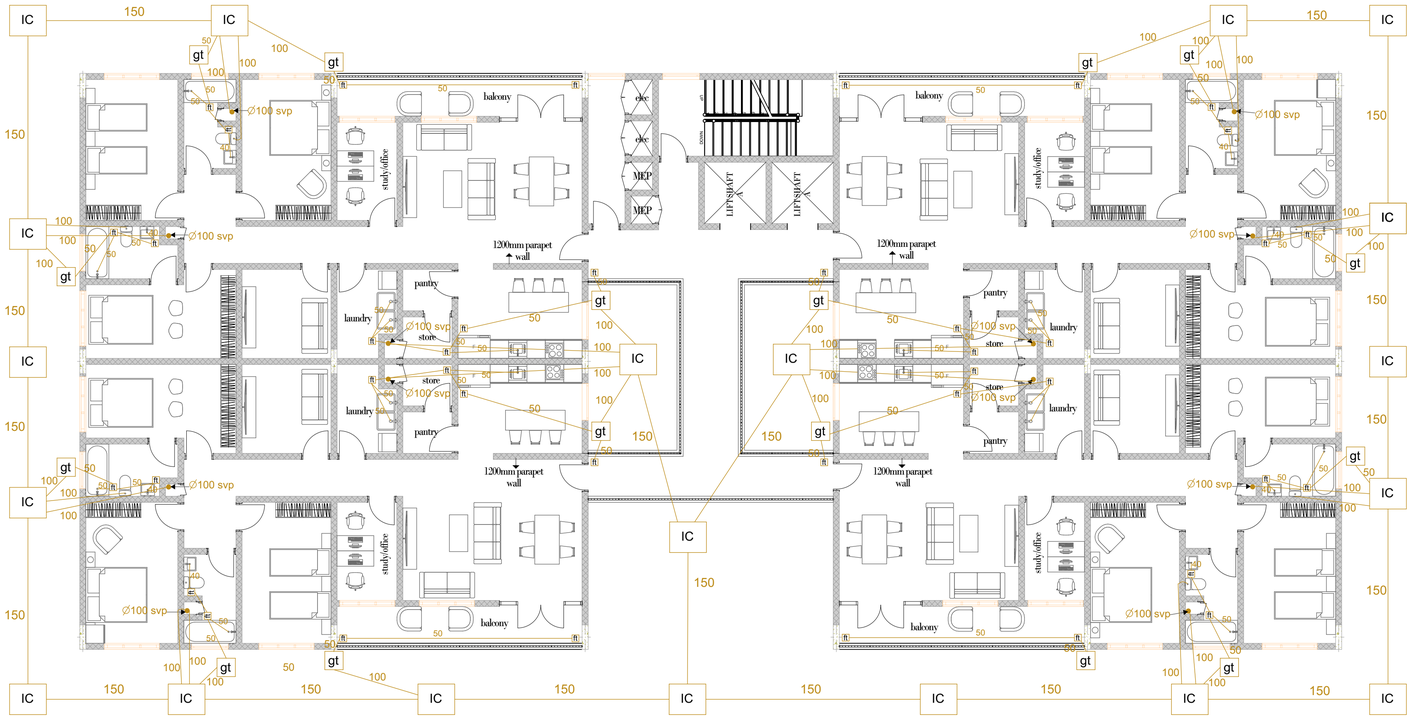
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100

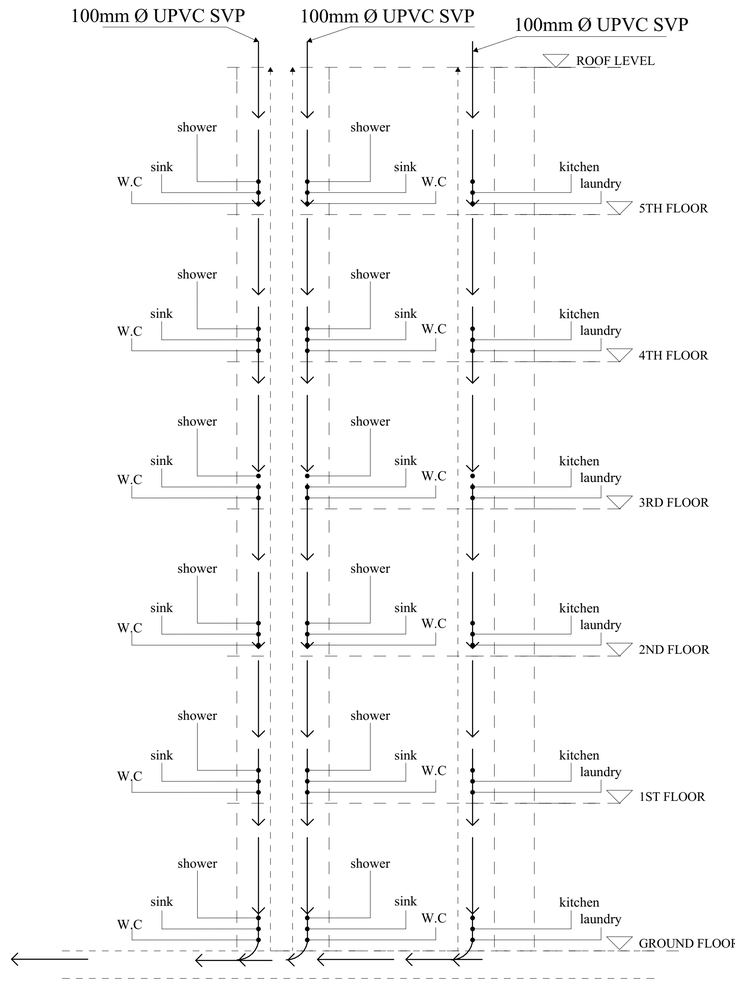


TYPICAL FLOOR DRAINAGE PLAN



GROUND FLOOR DRAINAGE PLAN

STAFF RESIDENCE TYPICAL DRAIANGE PER HOUSE SCHEMATIC



MEC-002 STAFF DRAINAGE & SCHEMATIC 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE:MECHANICAL PLANS PLUMBING/DRAINAGE/FIRE FIGHTING

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

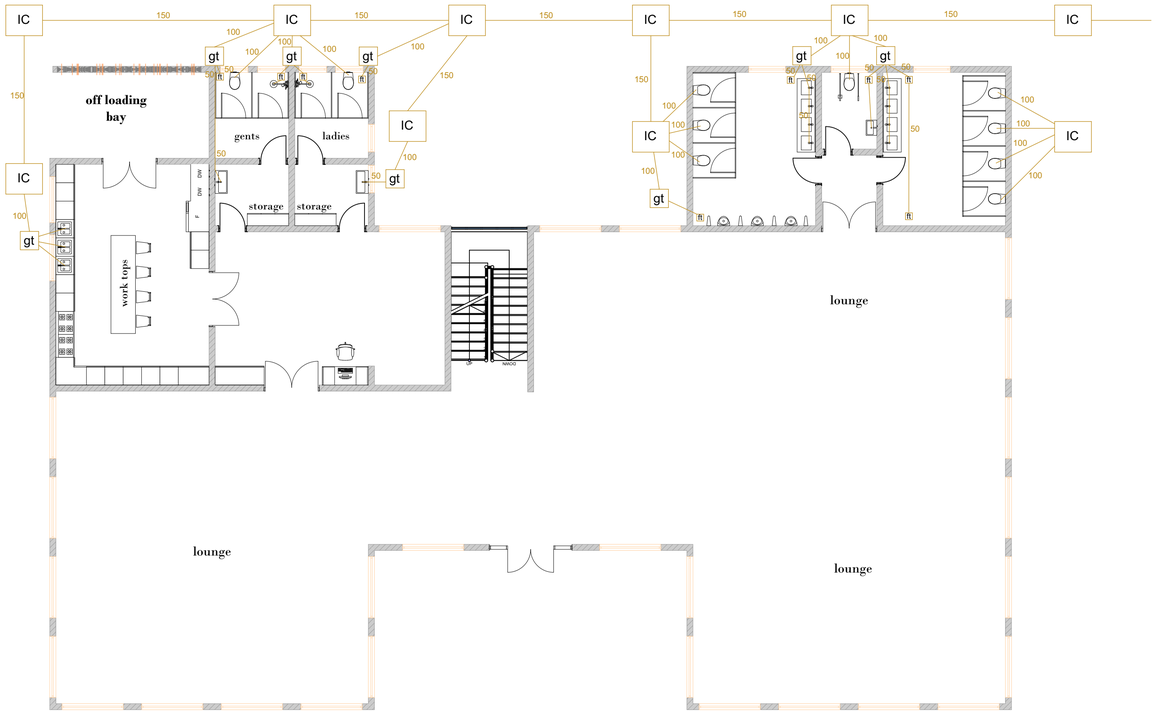
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

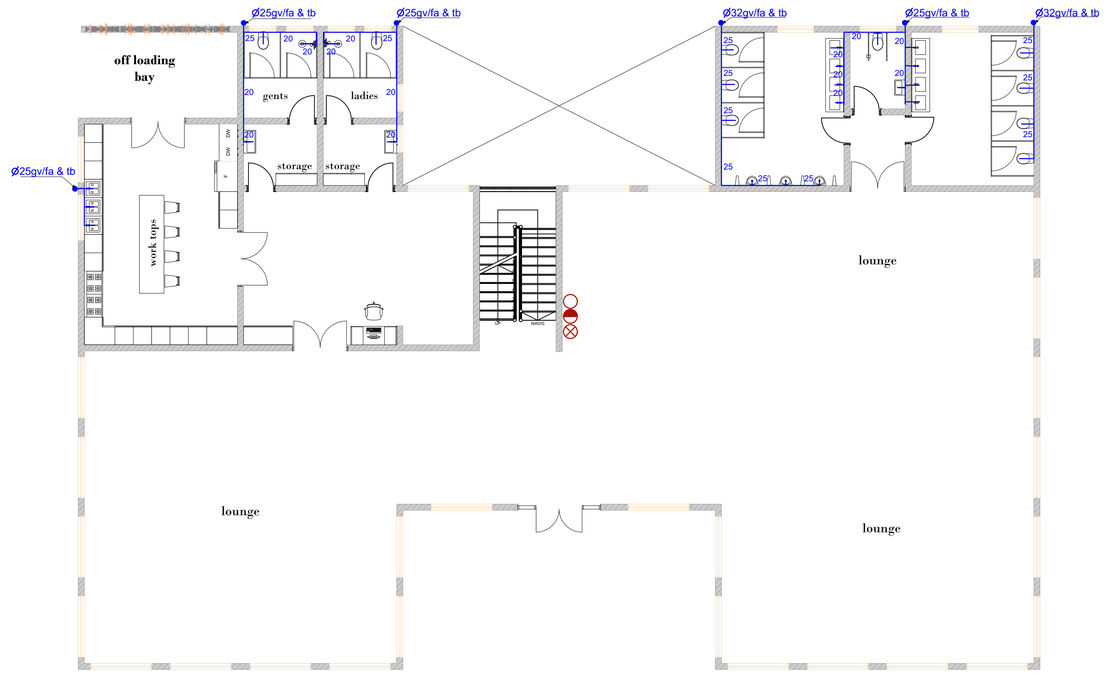
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



DRAINAGE-STUDENT CENTRE



SUPLLY & FIRE FIGHTING STUDENT CENTRE

MEC-003

STUDENT CENTRE SUPPLY, DRAINAGE & FIRE FIGHTING

1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE:MECHANICAL PLANS PLUMBING/DRAINAGE/FIRE FIGHTING

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

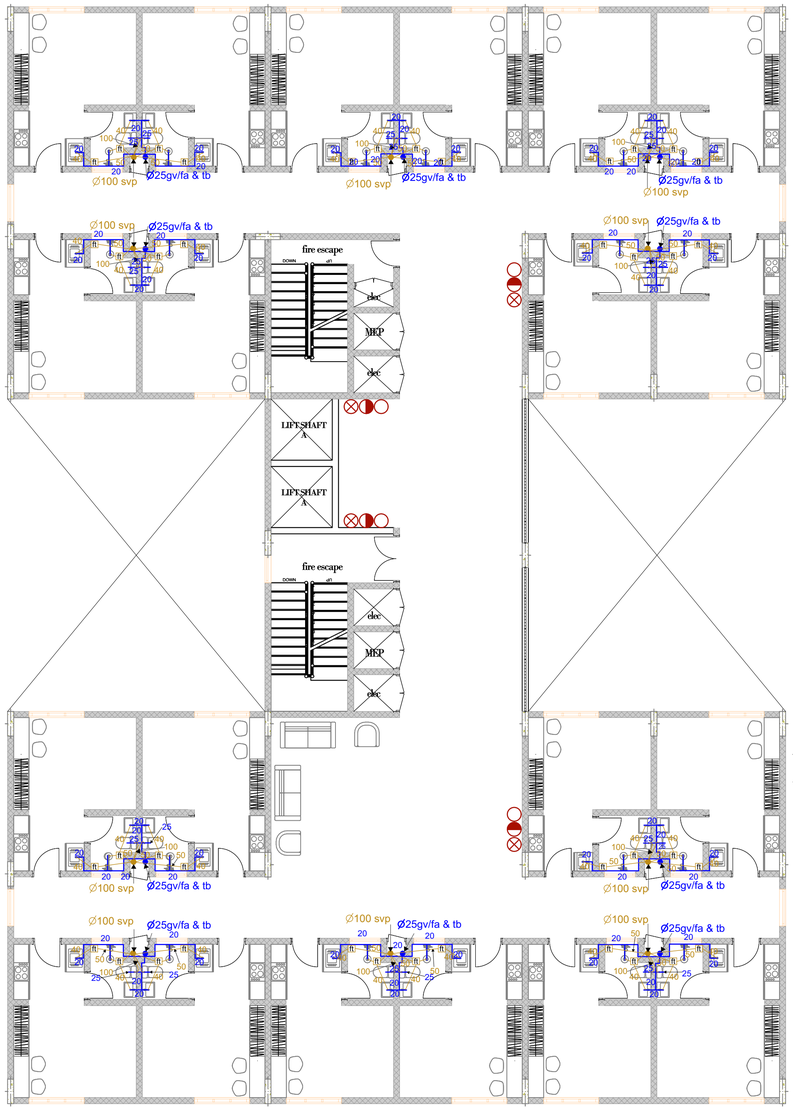
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

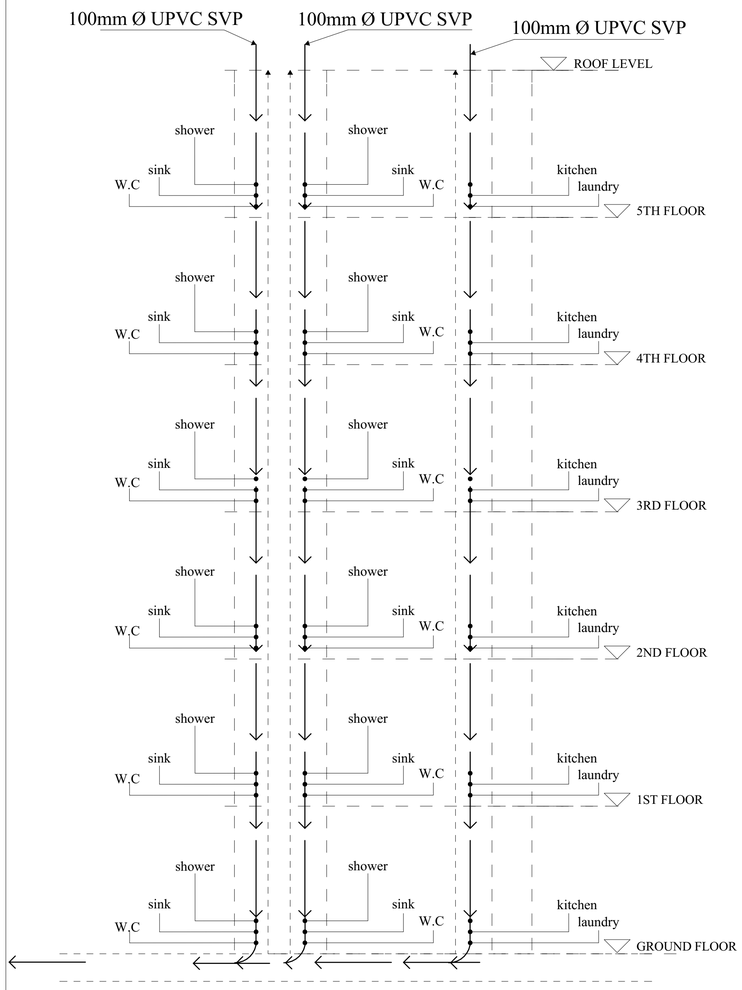
COURSE CODE: BCM 410

SCALE-1:100

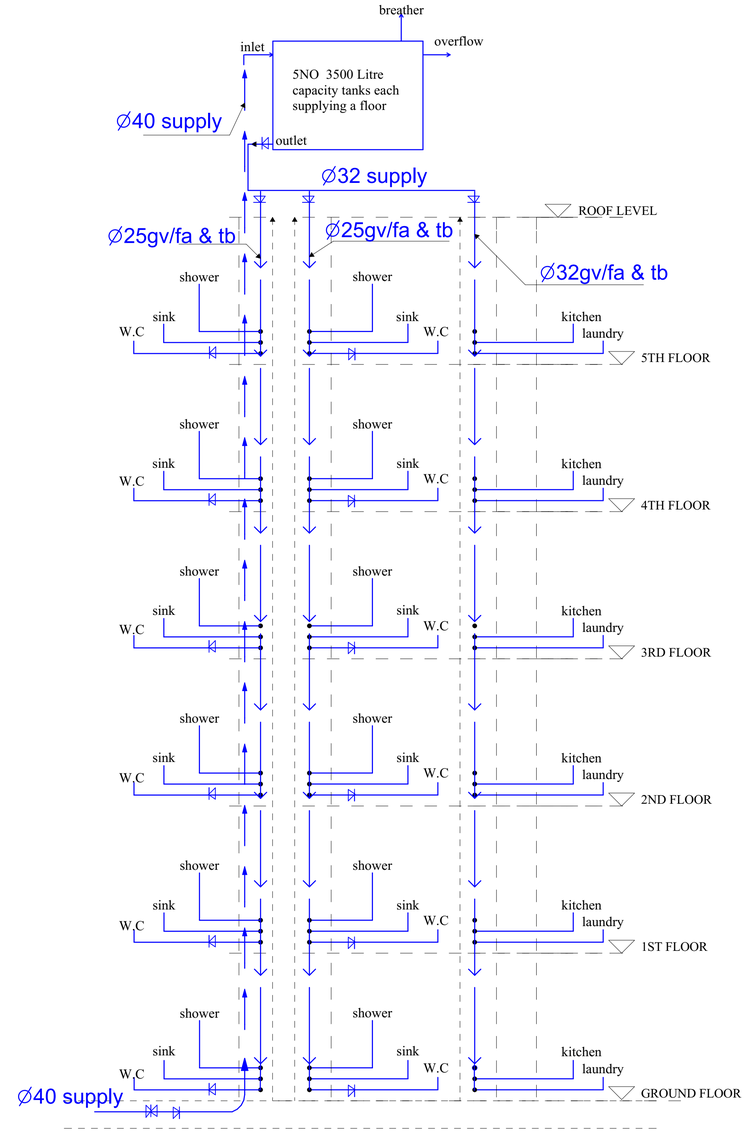


TYPICAL FLOOR PLAN SUPPLY, DRAINAGE & FIRE FIGHTING

STAFF RESIDENCE TYPICAL
DRAIANGE PER HOUSE SCHEMATIC



STAFF RESIDENCE TYPICAL
SUPPLY PER HOUSE SCHEMATIC



MEC-004 HOSTEL SUPPLY & SCHEMATICS 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE:MECHANICAL PLANS PLUMBING/DRAINAGE/FIRE FIGHTING

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

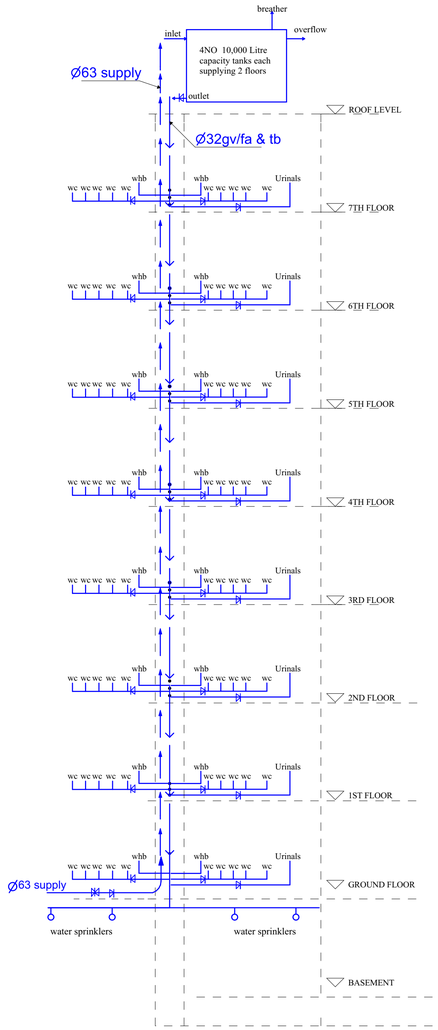
CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

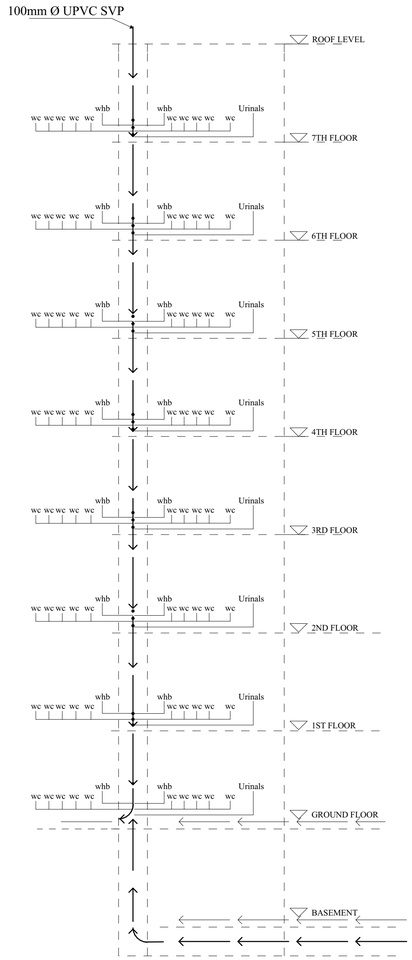
COURSE CODE: BCM 410

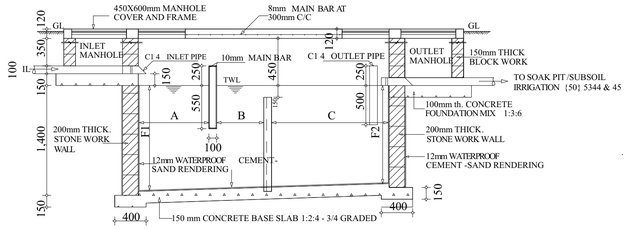
SCALE-1:100

ADMINISTRATION BLOCK SCHEMATIC SUPPLY

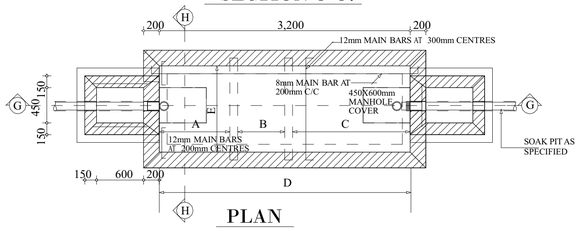


ADMINISTRATION BLOCK SCHEMATIC DRAINAGE

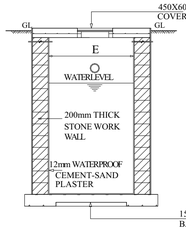




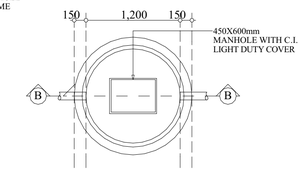
SECTION G-G.



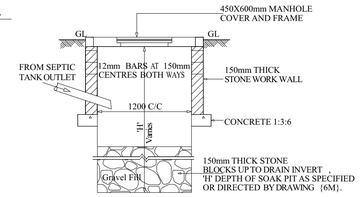
PLAN



SECTION H-H.



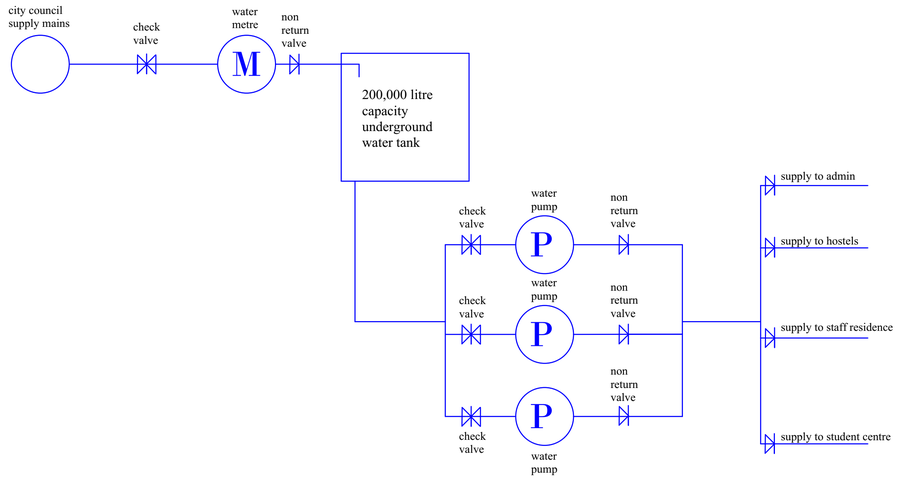
SOAK PIT- PLAN



SECTION B-B.

TYPE	CAPACITY IN LITRES	No OF PERSONS	DESLUDGING INTERVAL (YEARS)	DIMENSIONS IN mm						
				A	B	C	D	E	F1	F2
A	3000	10	2	800	1000	1000	3000	800	1200	1400
B	6000	20	2	800	1400	1200	3600	1400	1500	1400
C	9000	30	2	800	1400	1200	3600	1800	1500	1400
D	12000	40	2	800	1600	1400	4000	2000	1500	1300
E	15000	50	2	800	1600	1400	4000	2400	1500	1200
F	22500	100	1.5	800	3600	1800	5600	3000	1860	1500
G	45000	200	1.5	800	5600	2800	8600	3600	2040	1500
H	67500	300	1.5	800	7600	3800	11600	4000	2260	1500
I	90000	400	1.5	800	8800	4400	13400	4600	2380	1500

SEPTIC TANK DETAILS



SUPPLY & TERMINATION DETAILS

NOTES:
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3. All sections are to be read as per floor plan and all drawings must be read in concert with each other. Any discrepancies must be notified immediately to the architect and clarified consulting the architectural or consultants drawing.

CONSTRUCTION
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150 mm above ground level.
5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
15. SVP (soil vent pipes) to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
17. All under ground foul and waste drainpipes shall be UPVC to comply to BSS 4514 & 5255.
18. The storm water drain to comply to BSS 556.
19. All inspection chamber covers and frames shall be cast iron to comply to BSS 497 table 6 grade C.
20. Minimum slopes in drainpipes shall be 1%.
21. No chases will be allowed in the slabs for pipes. Sleeves will be allowed with the written approval of the S.E.
22. All testing of pipes must be completed before plastering.
23. All mechanical work must be coordinated with electrical work. Any conflicts must be clarified before work begins.

ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE:MECHANICAL PLANS PLUMBING/DRAINAGE/FIRE FIGHTING

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

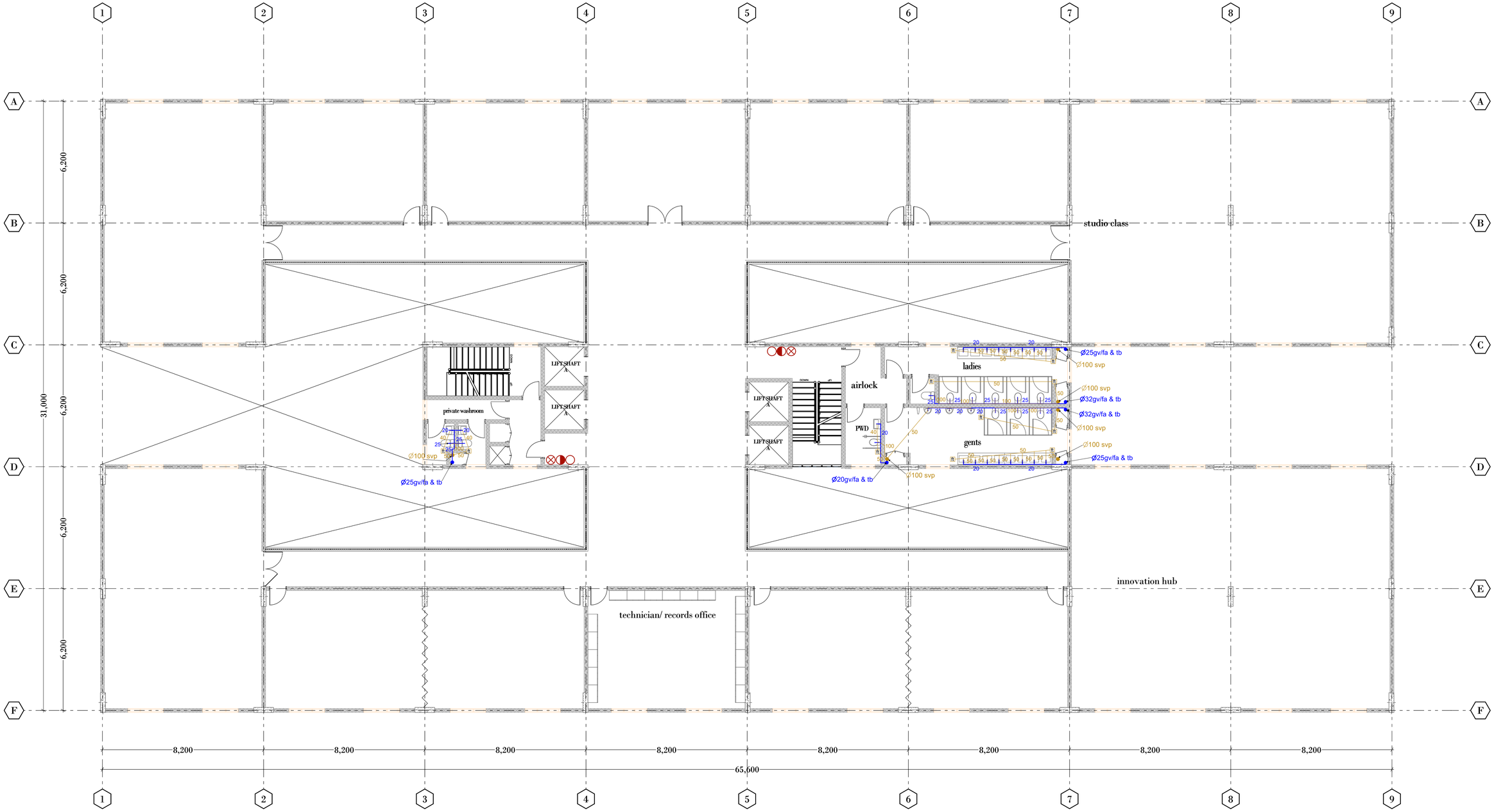
COURSE CODE: BCM 410

SCALE-1:100

MEC-006

ADMIN SCHEMATICS, SEPTC DETAILS & SUPPLY TERMINATION

1:100



TYPICAL FLOOR PLAN SUPPLY,DRAINAGE & FIRE FIGHTING

MEC-007

ADMIN TYPICAL FLOOR PLAN -MECHANICAL

1:100

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CONSTRUCTION
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150 mm above ground level.
5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
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16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
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ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE:MECHANICAL PLANS PLUMBING/DRAINAGE/FIRE FIGHTING

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

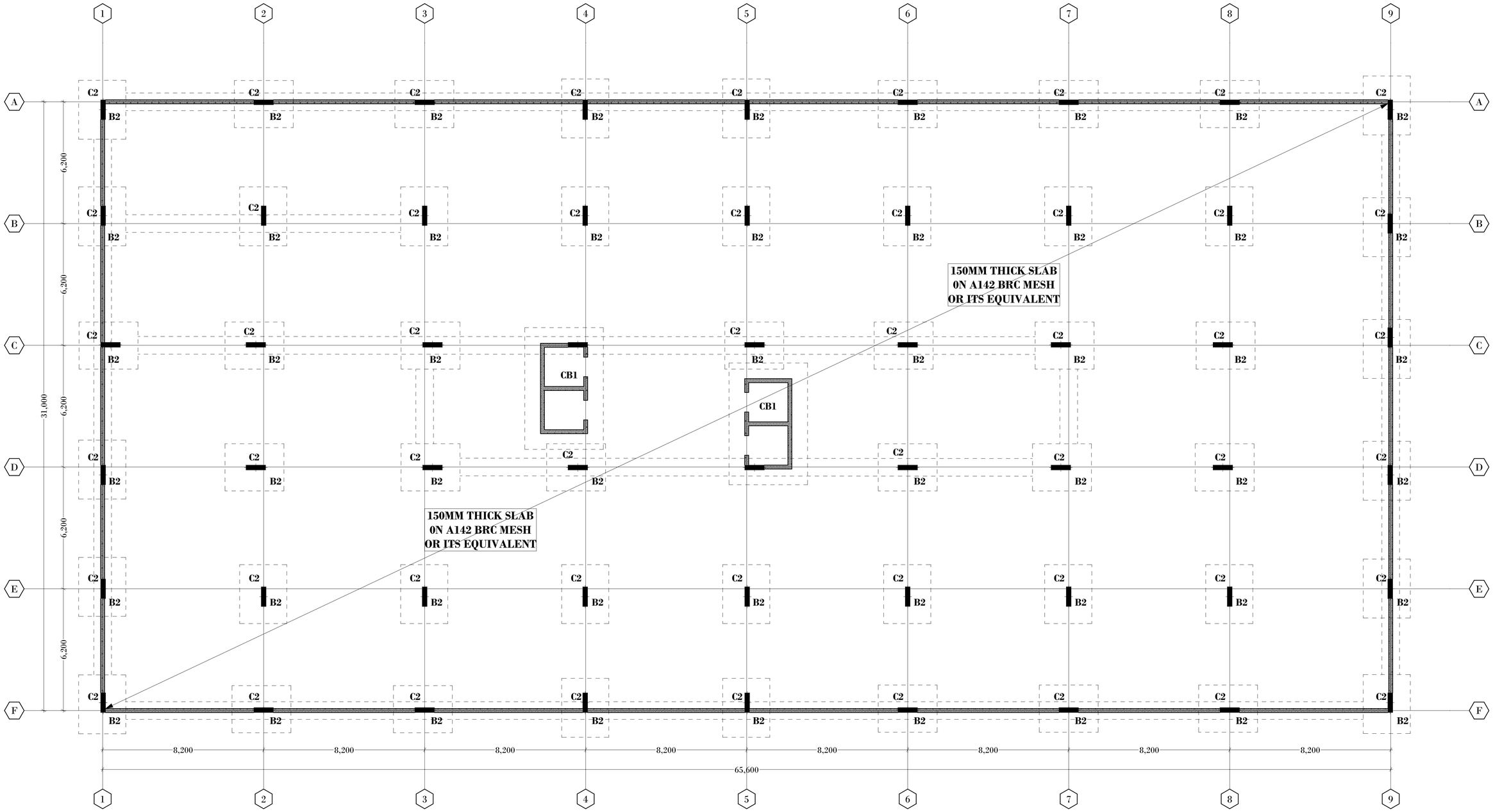
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



CLASSES & ADMIN

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CIVIL
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STRUCTURAL
9. All RC work to structural engineer's details.
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11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
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ELECTRICAL
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NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-FOUNDATION

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

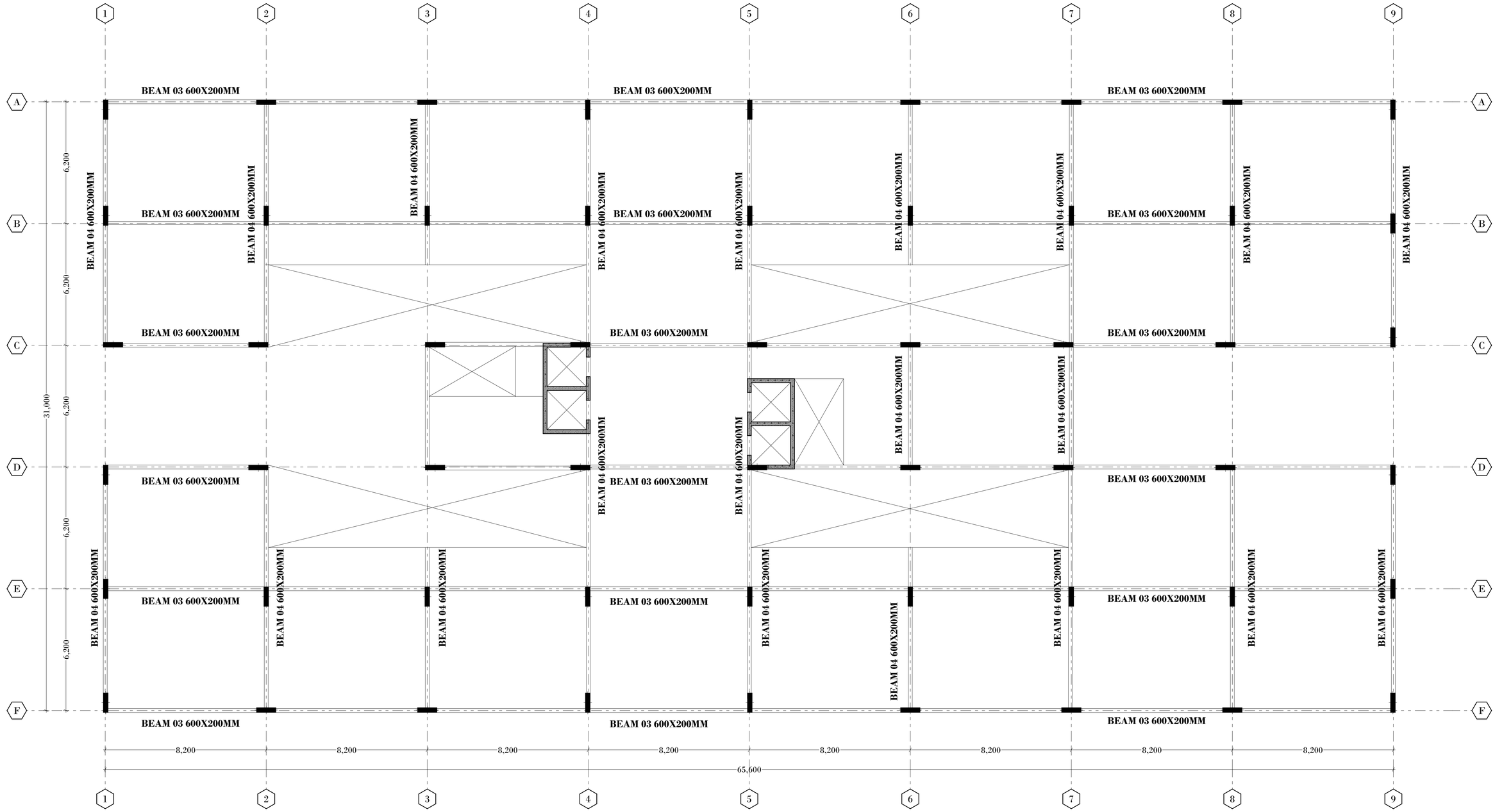
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YIMAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



CLASSES & ADMIN

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CIVIL
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STRUCTURAL
9. All RC work to structural engineer's details.
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MECHANICAL
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ELECTRICAL
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NO	DATE	DESCRIPTION	CHECKED BY
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-BEAM LAYOUT

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YIMAM

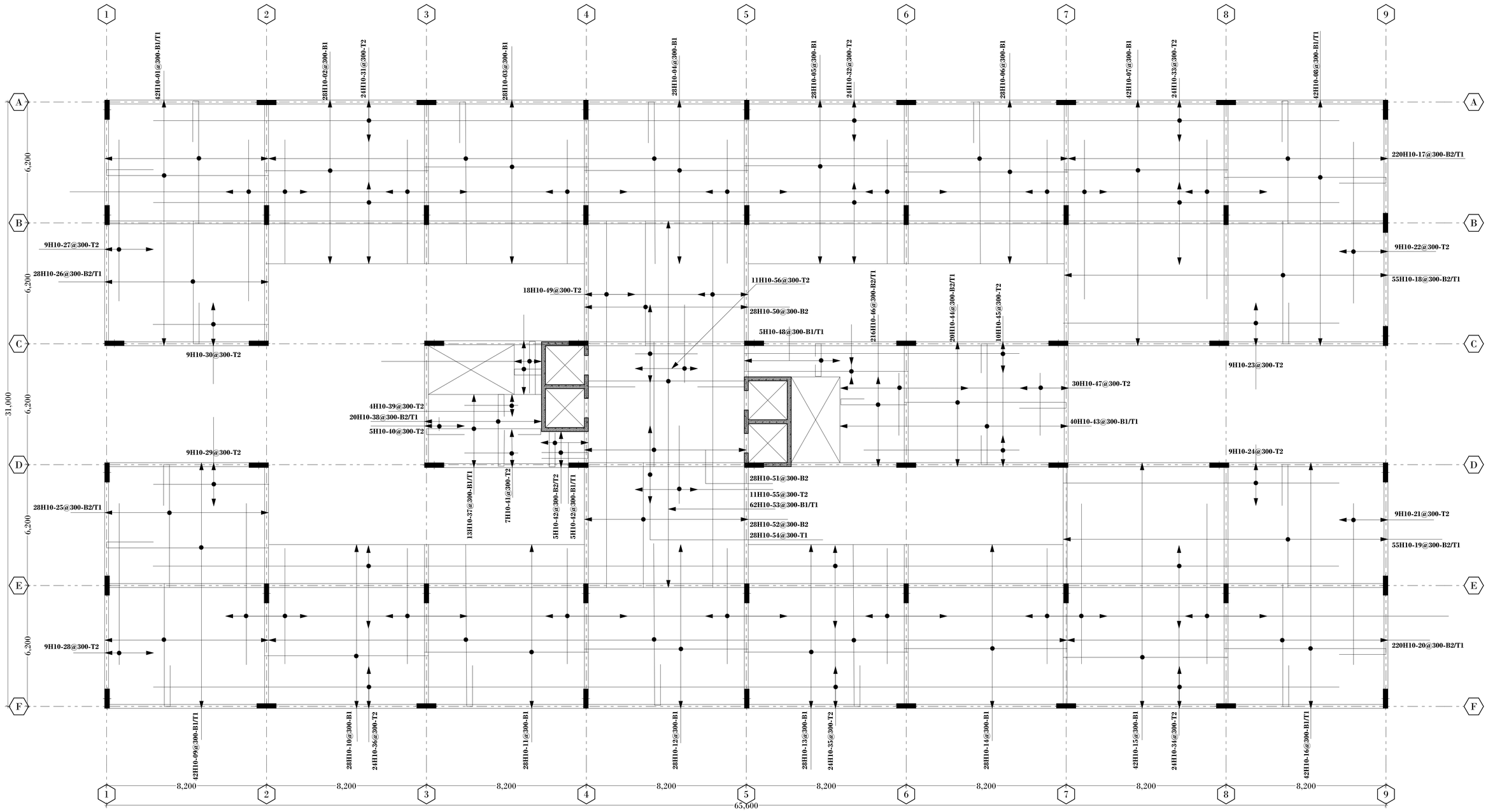
REGISTRATION NUMBER: B76/4701/2020

QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-SLAB REINFORCEMENTS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

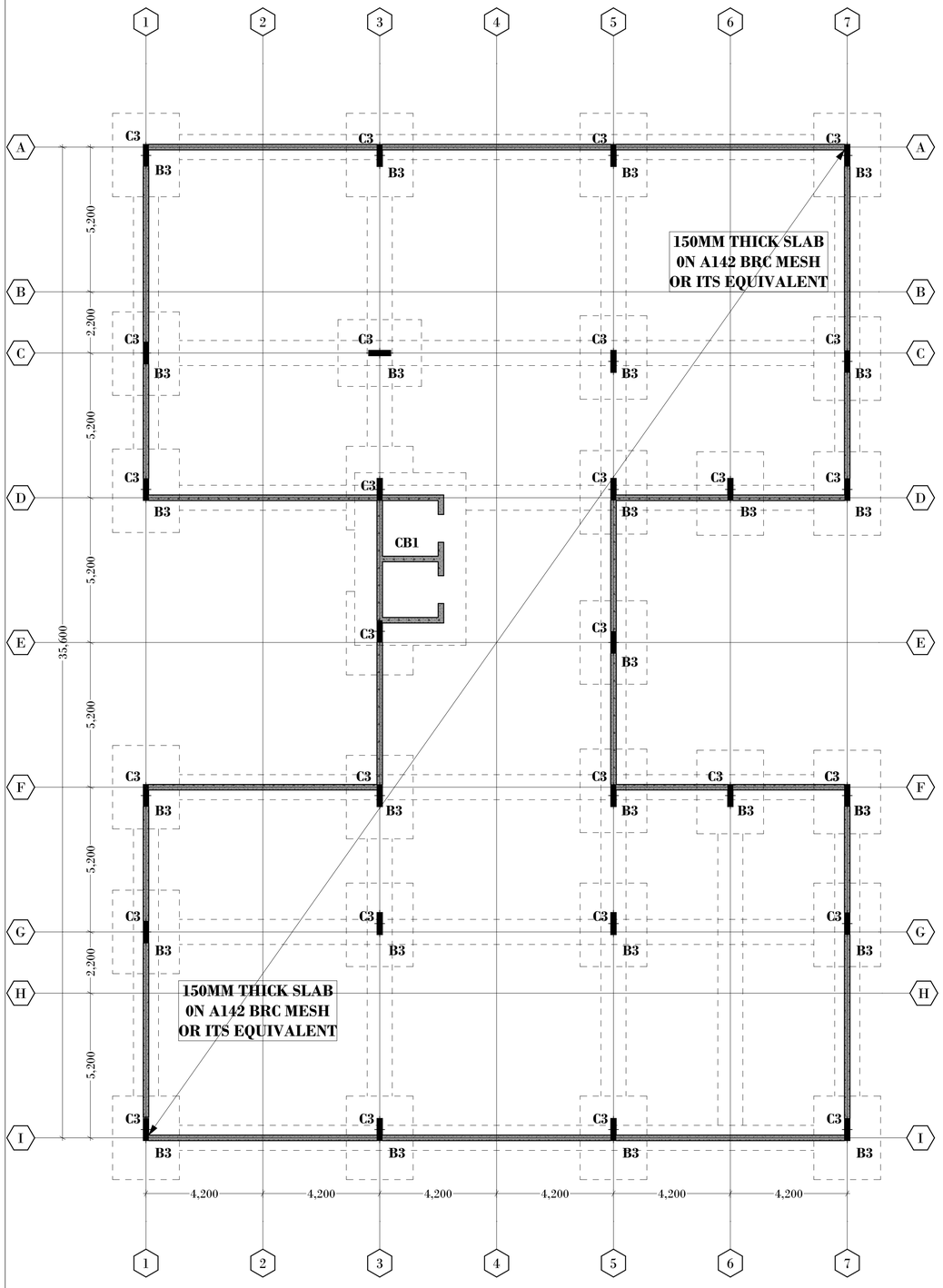
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YIMAM, QS. MULAKU

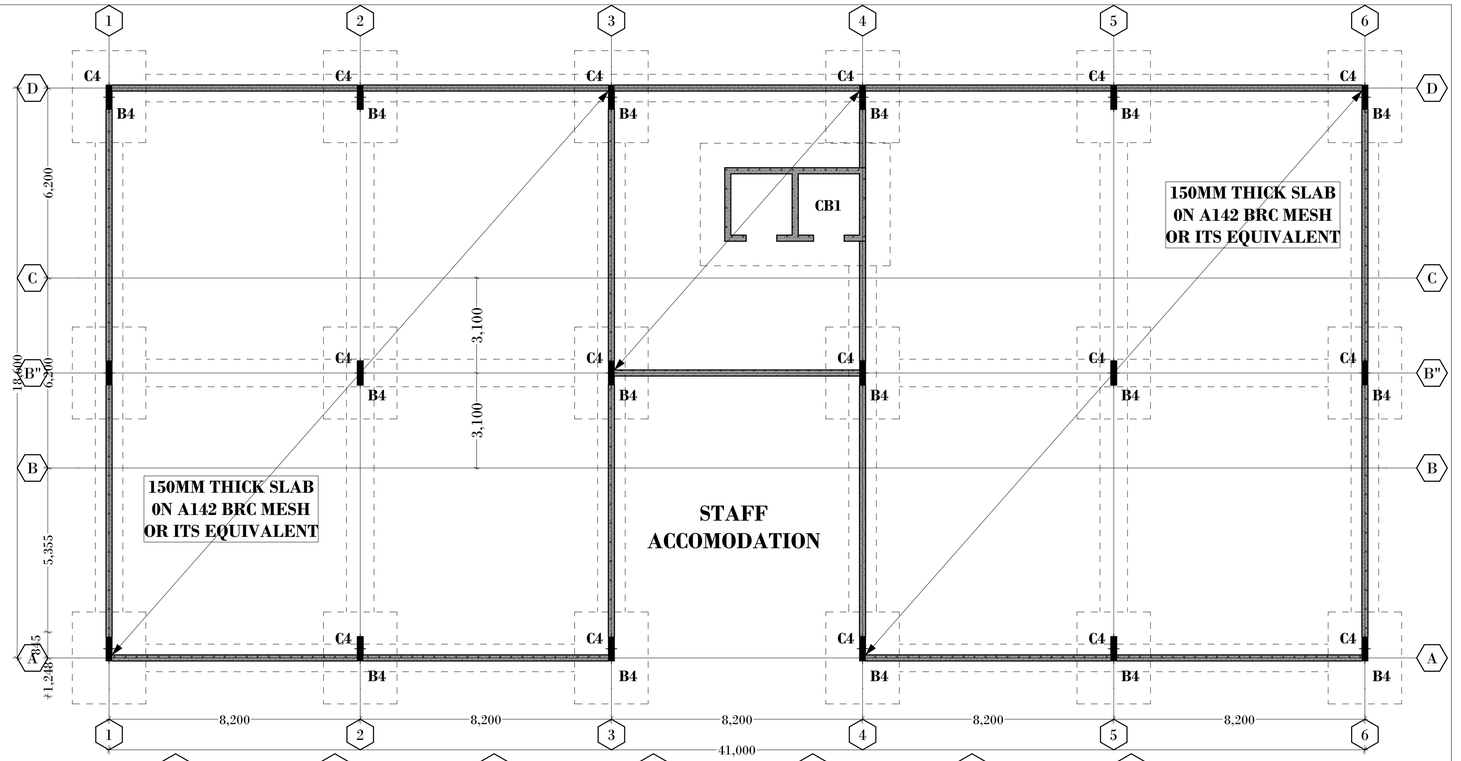
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

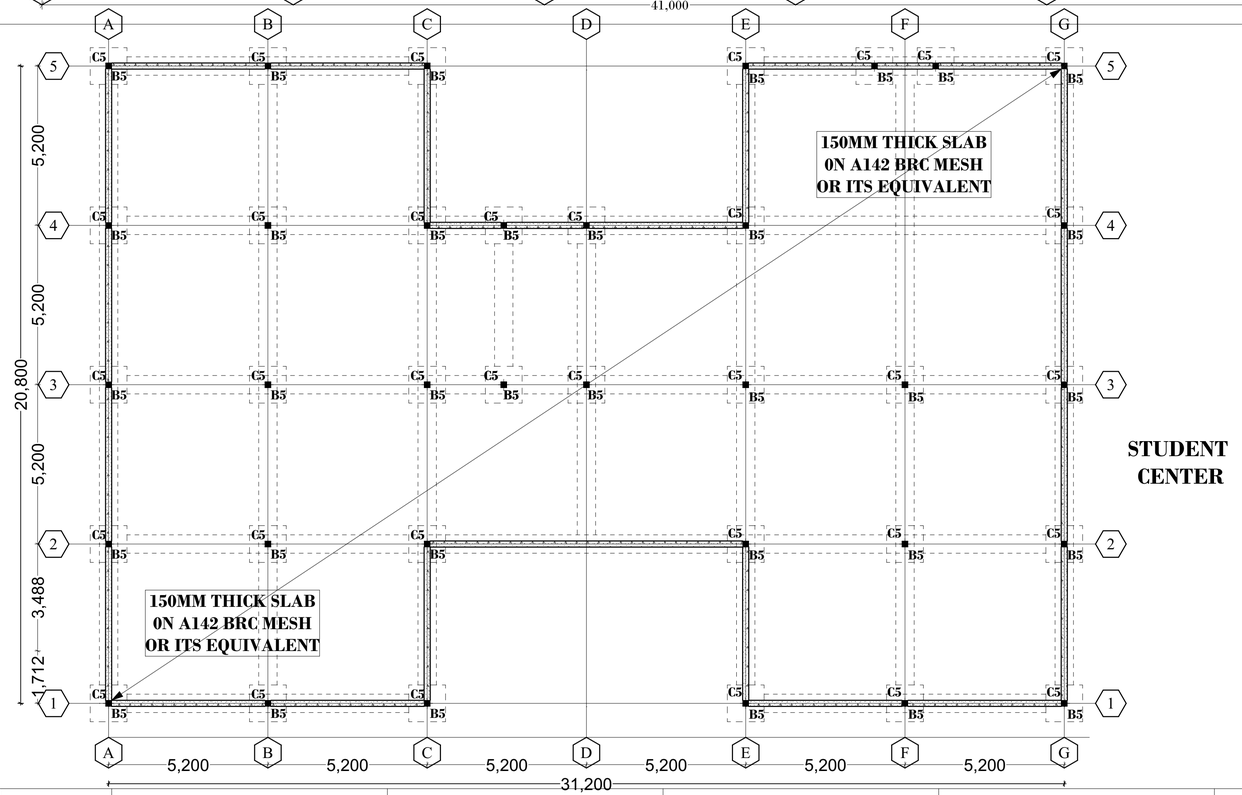
COURSE CODE: BCM 410

SCALE-1:100



STUDENT HOSTEL





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ELECTRICAL
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-FOUNDATIONS LAYOUTS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

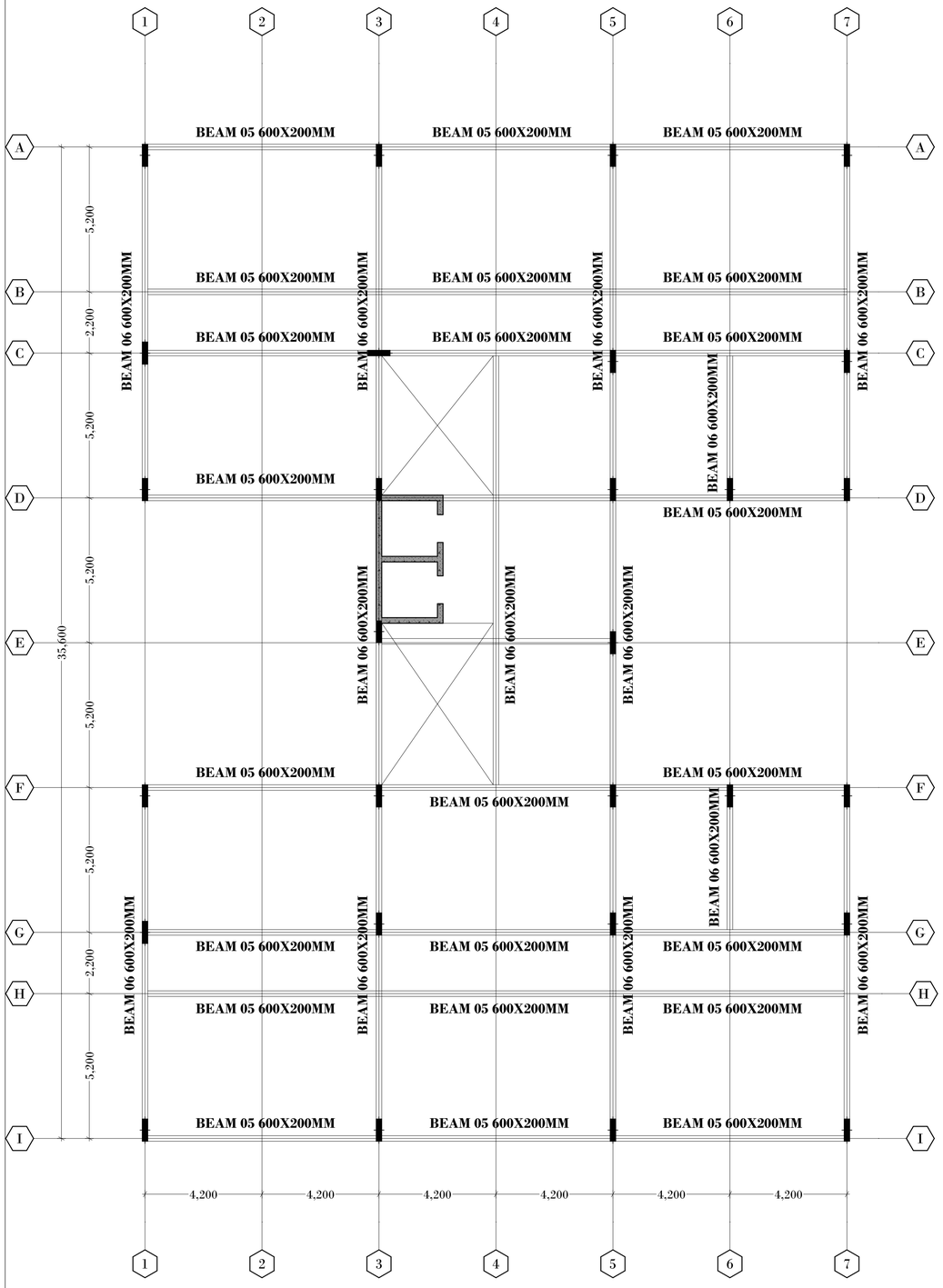
REGISTRATION NUMBER: B76/4701/2020

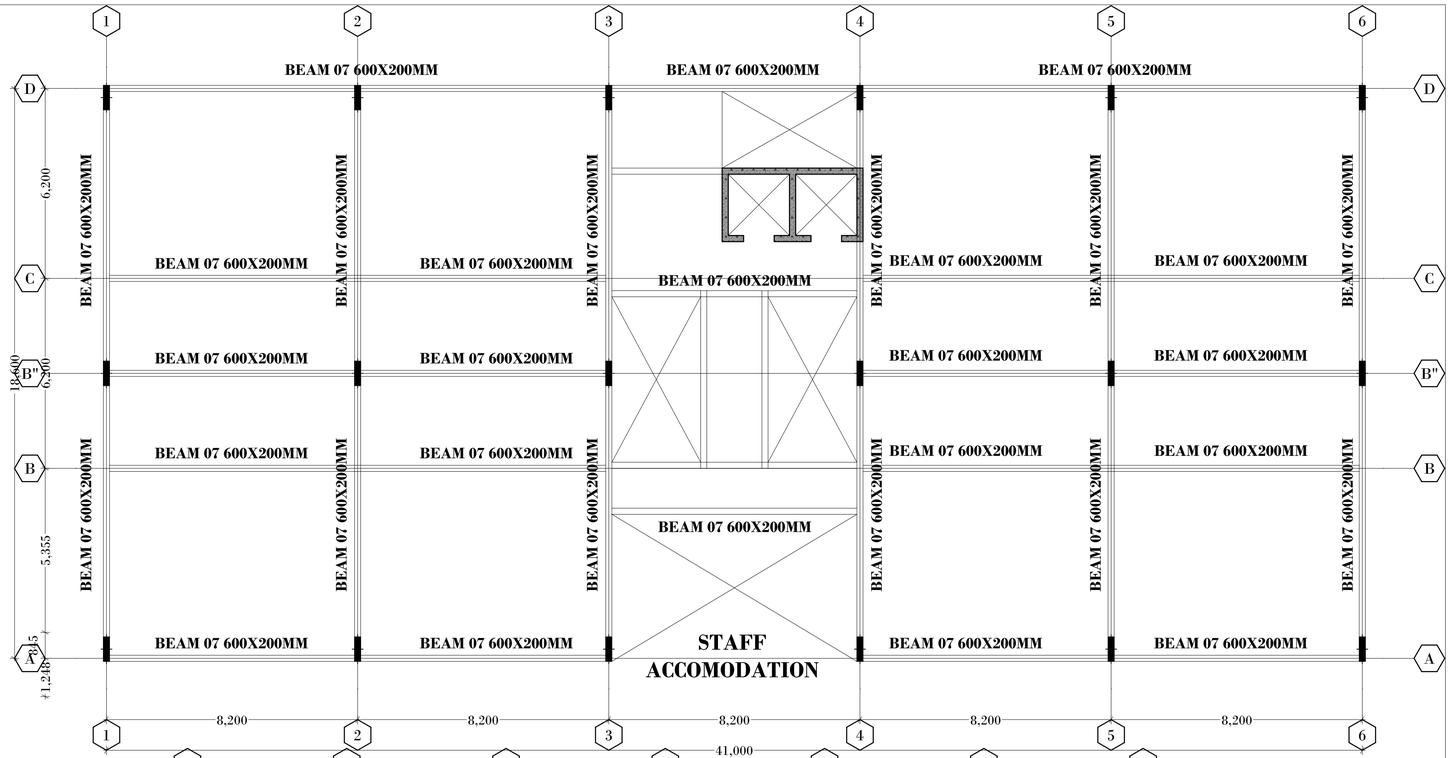
CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YIMAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100





STUDENT HOSTEL

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STRUCTURAL

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MECHANICAL

12. All plumbing and drainage to comply with city council by-laws.
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-BEAM LAYOUTS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YIMAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

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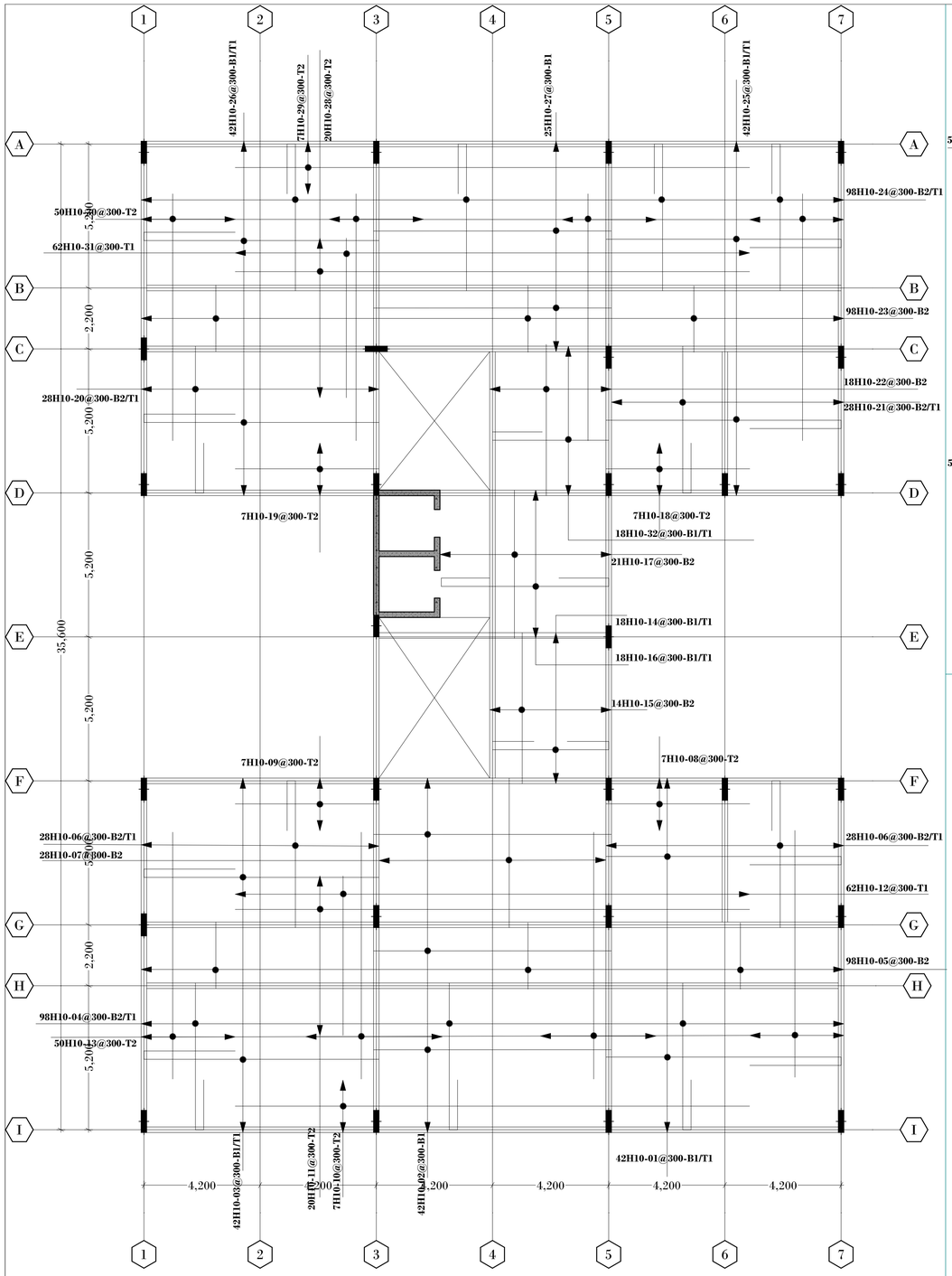

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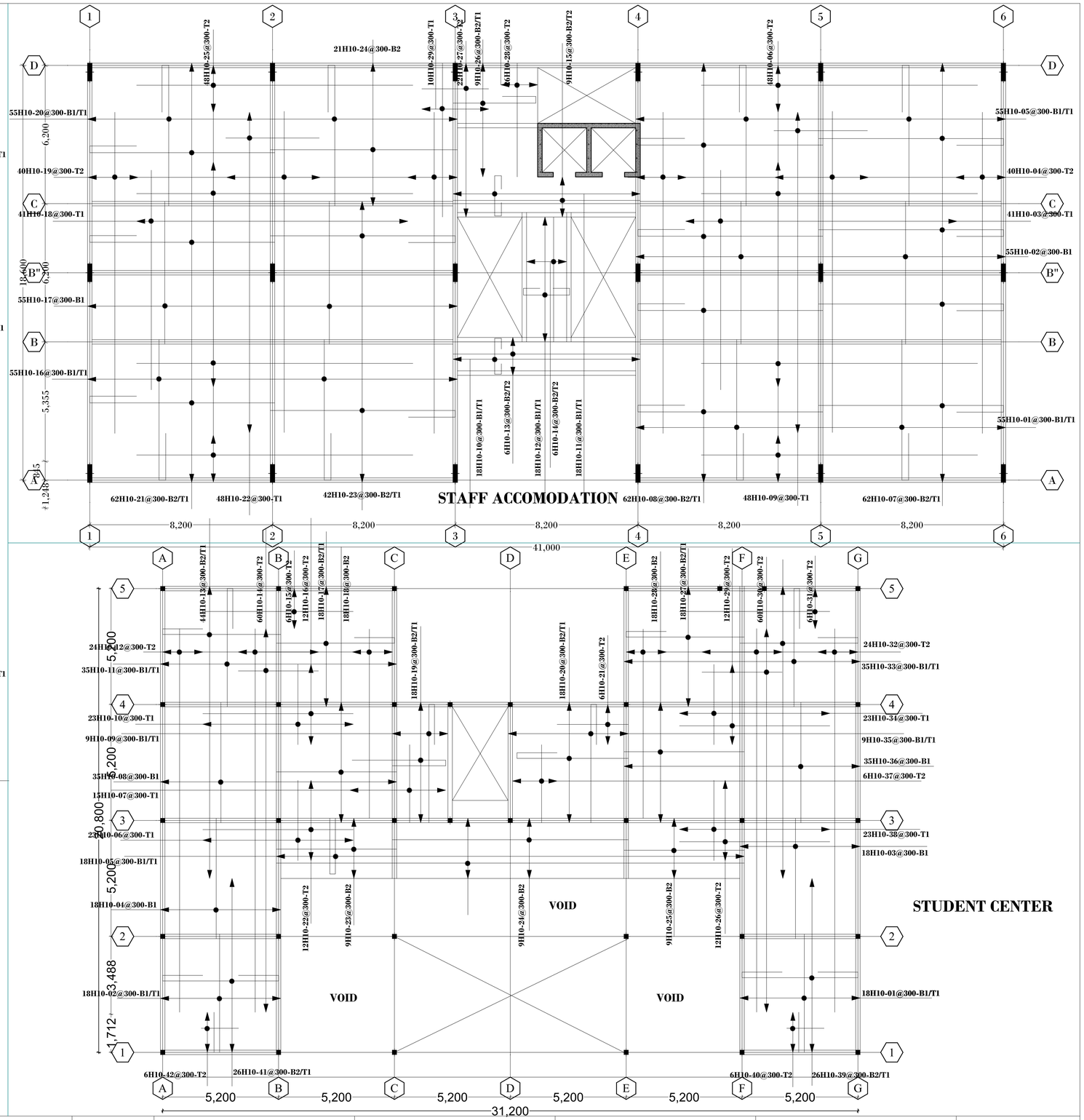

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-SLAB DETAILS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YIMAM; QS. MULAKU

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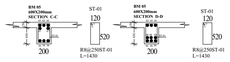
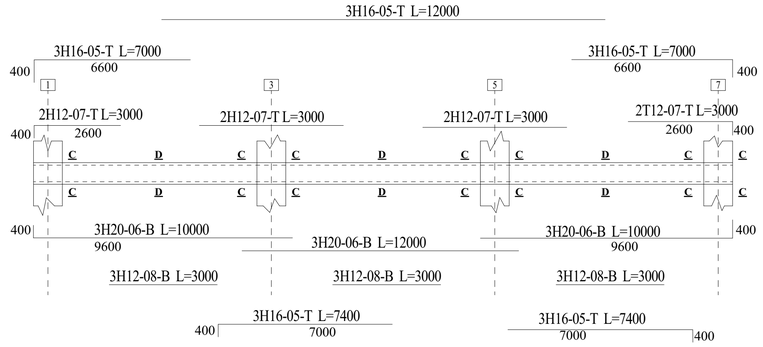
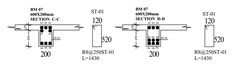
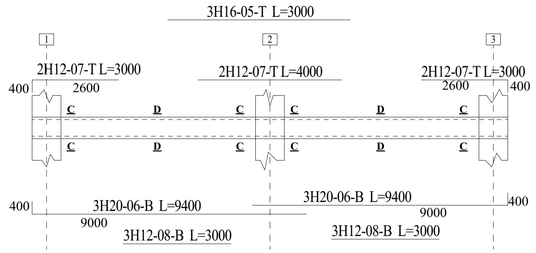
COURSE CODE: BCM 410

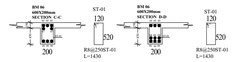
SCALE-1:100

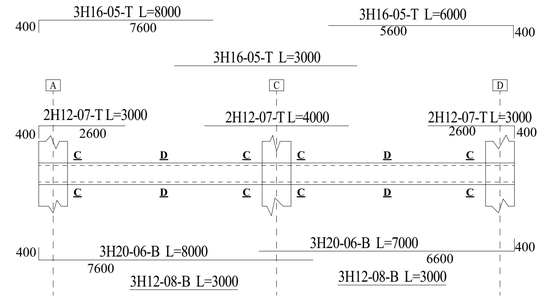


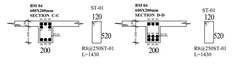


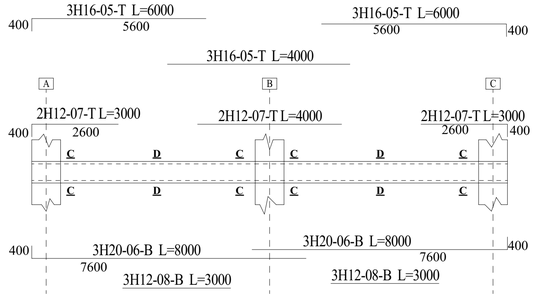


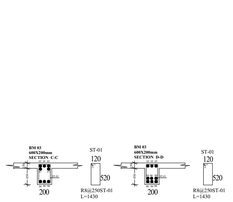


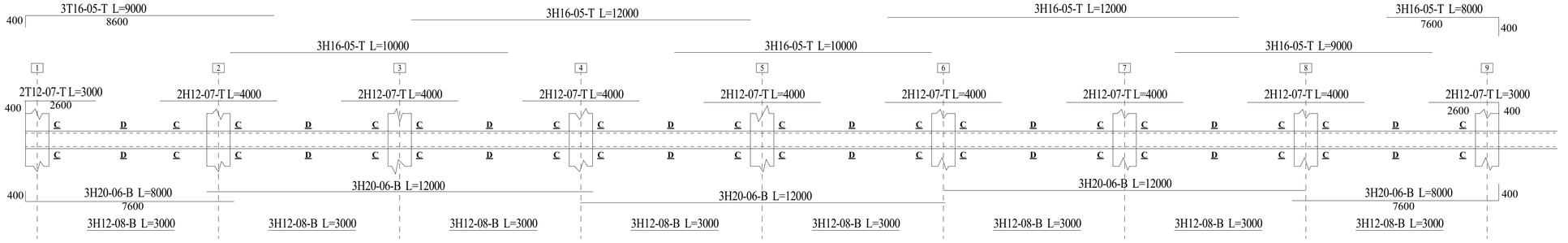


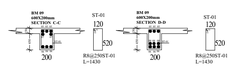


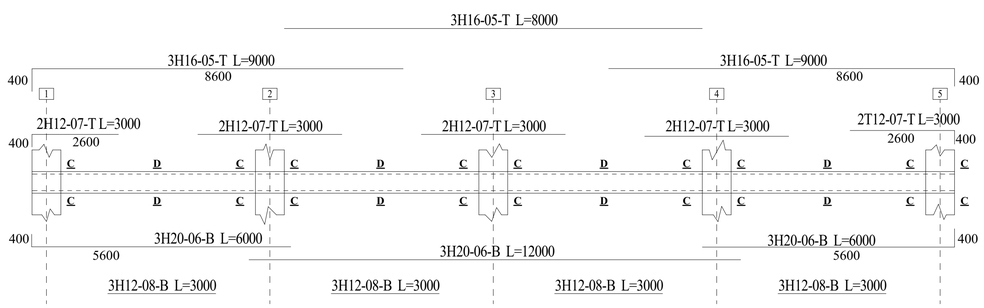


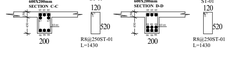


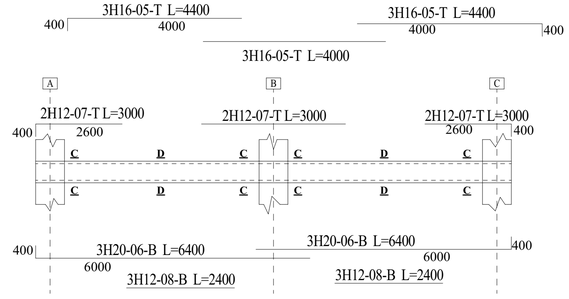












NOTES:
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CONSTRUCTION
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150 mm above ground level.
5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
15. SVP (soil vent pipes) to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
17. All under ground foul and waste drainpipes shall be UPVC to comply to BSS 4514 & 5255.
18. The storm water drain to comply to BSS 556.
19. All inspection chamber covers and frames shall be cast iron to comply to BSS 497 table 6 grade C.
20. Minimum slopes in drainpipes shall be 1%.
21. No chases will be allowed in the slabs for pipes. Sleeves will be allowed with the written approval of the S.E.
22. All testing of pipes must be completed before plastering.
23. All mechanical work must be coordinated with electrical work. Any conflicts must be clarified before work begins.

ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-BEAM DETAILS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

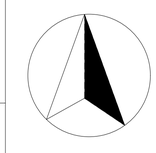
REGISTRATION NUMBER: B76/4701/2020

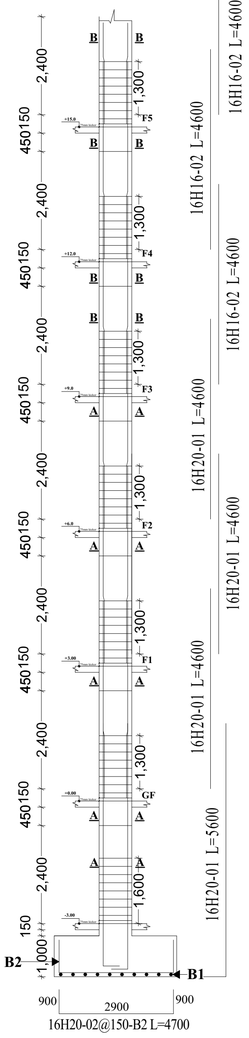
CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YIMAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

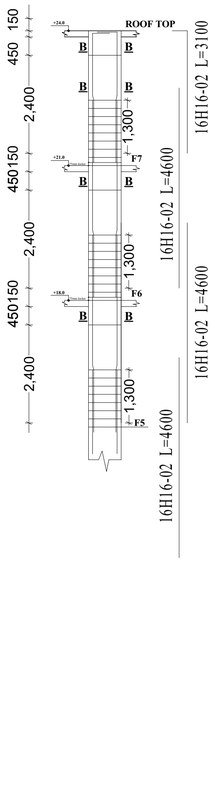
COURSE CODE: BCM 410

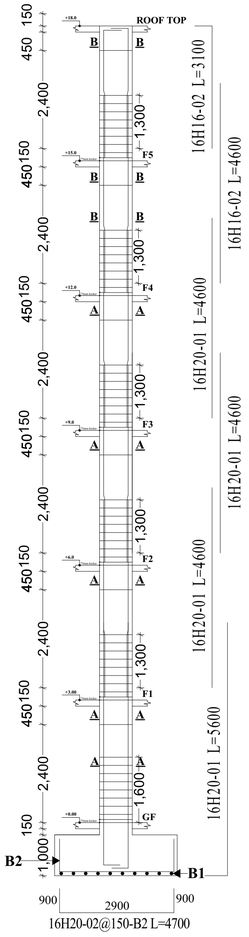
SCALE-1:100





COLUMN C2
N0= 54





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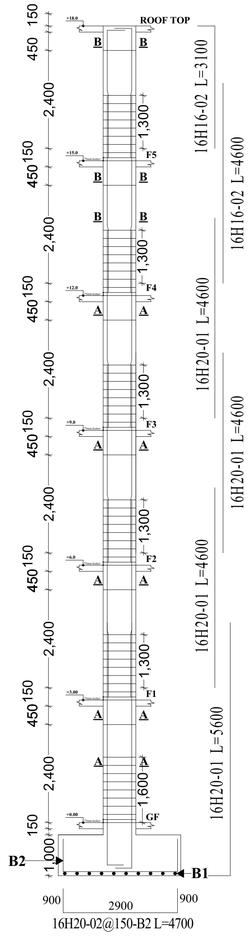

COLUMN C4
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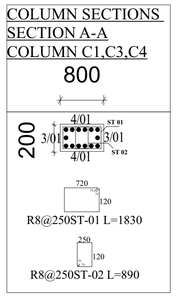
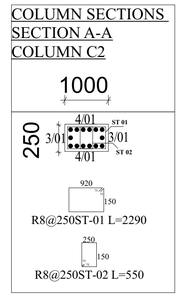
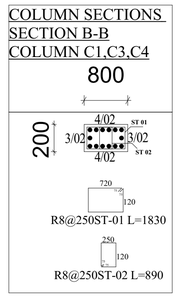
COLUMN SECTIONS
SECTION A-A
COLUMN C1,C3,C4



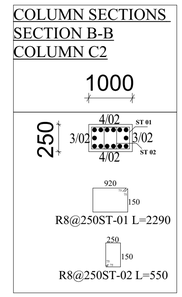
COLUMN SECTIONS
SECTION A-A
COLUMN C2



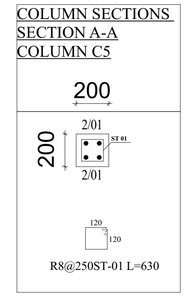
COLUMN SECTIONS
SECTION B-B
COLUMN C1,C3,C4

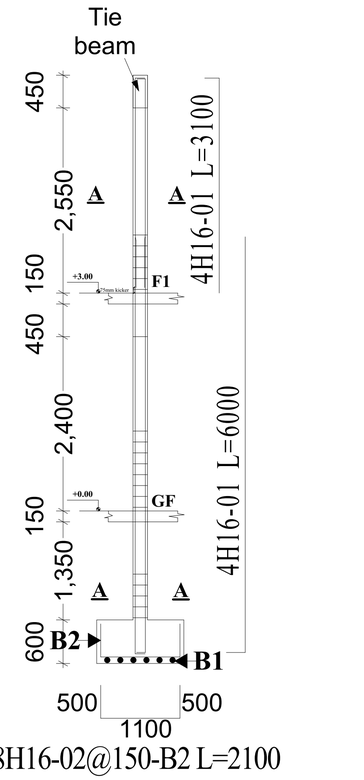


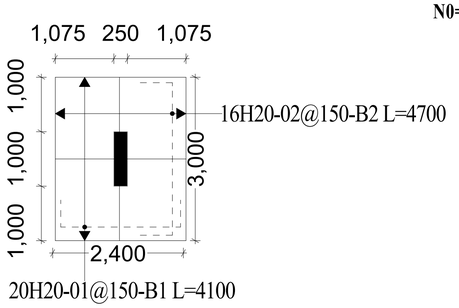
COLUMN SECTIONS
SECTION B-B
COLUMN C2



COLUMN SECTIONS
SECTION A-A
COLUMN C5







FOOTING B4
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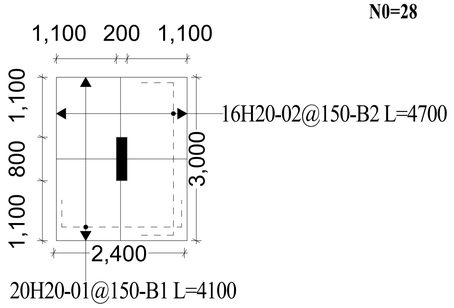
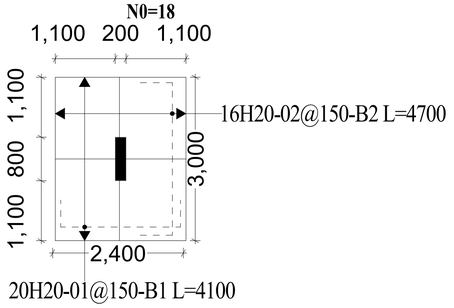


FOOTING B3
N0= 28



FOOTING B4
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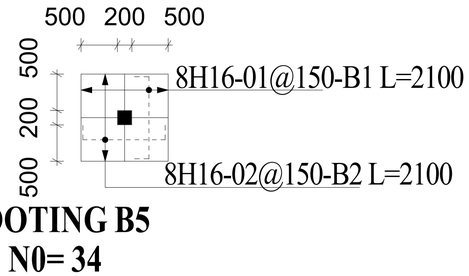

FOOTING B5
N0= 34

NOTES:
1. All measurements are shown in millimeters. Drawings not to be scaled. Only figured dimensions to be used.
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5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
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ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-COLUMN DETAILS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

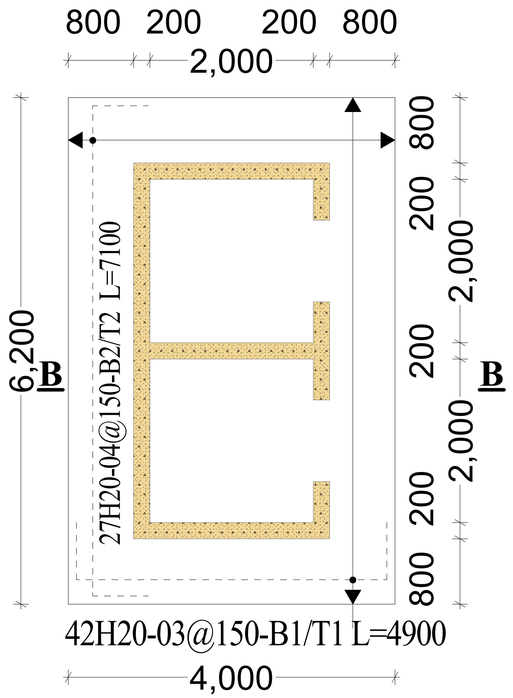
CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YIMAM; QS. MULAKU

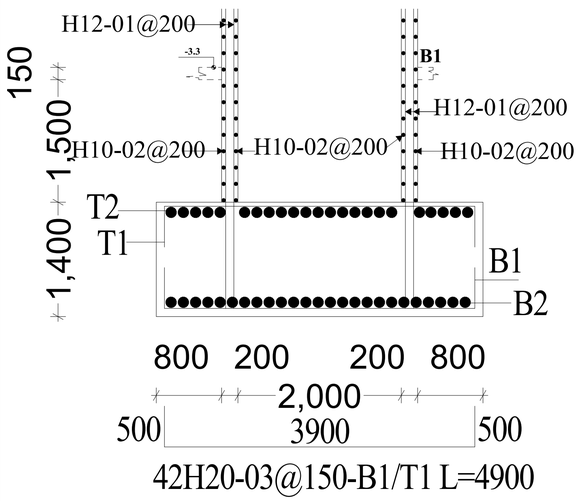
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100

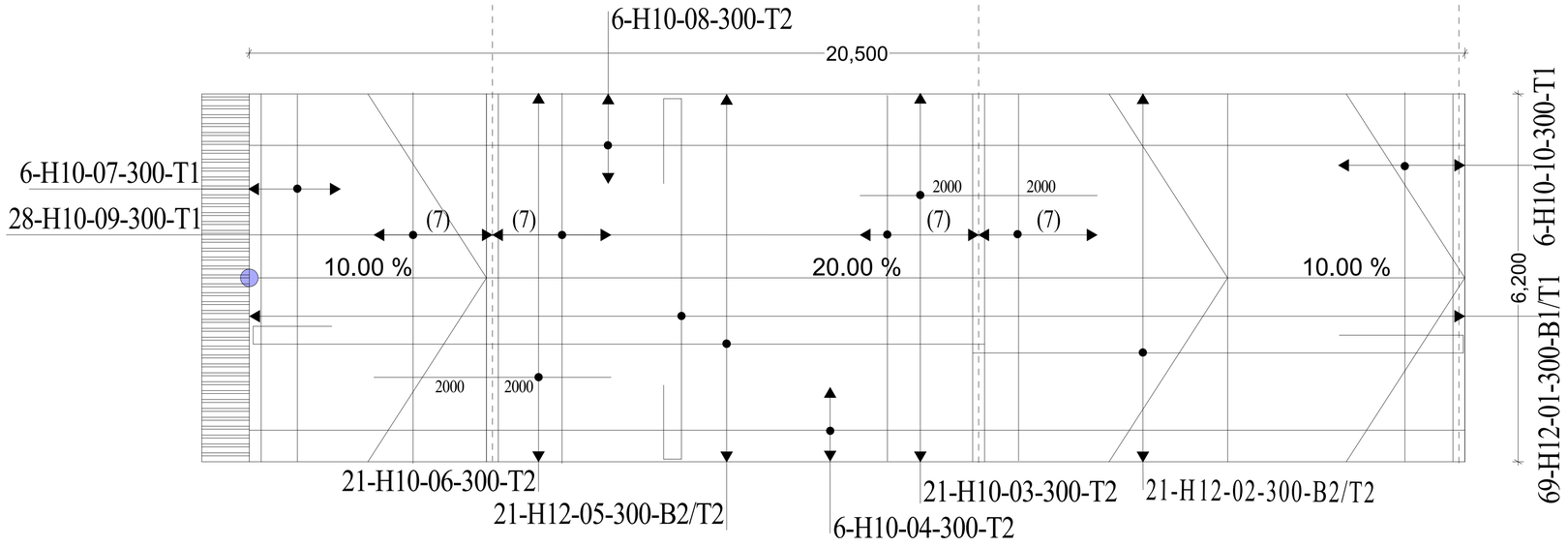
TYPICAL LIFT DETAILS SCALE 1:25

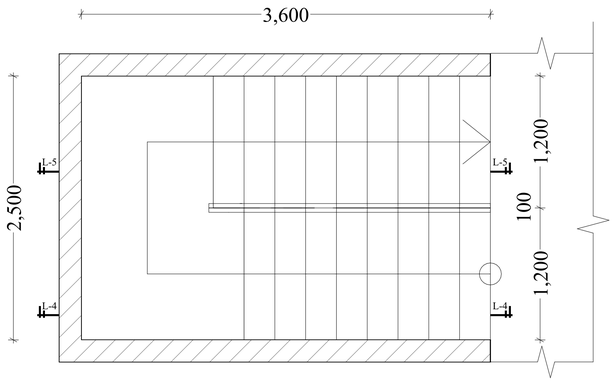




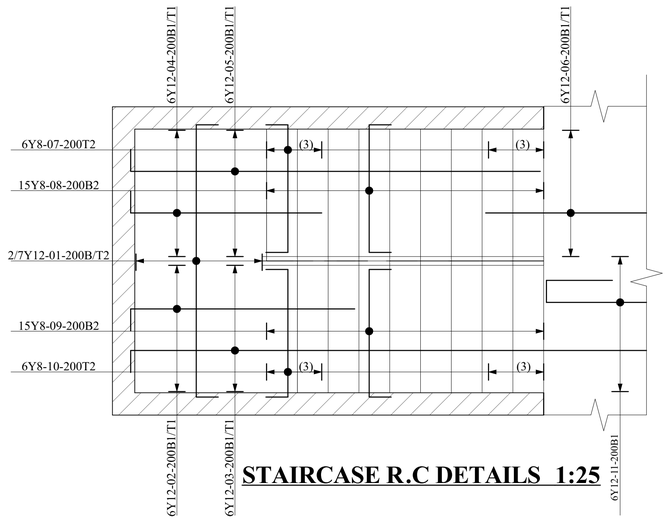
LIFT SECTIONS SECTION B-B

RAMP REINFORCEMENT DETAILS SCALE 1:25

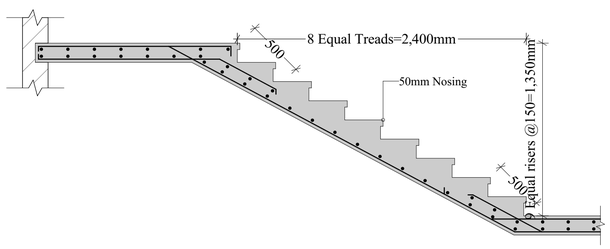




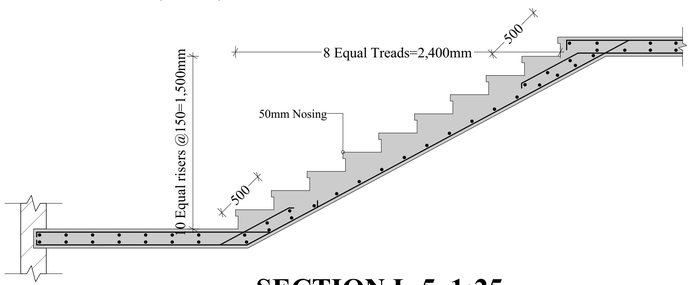
TYPICAL STAIRCASE PLAN 1:25



STAIRCASE R.C DETAILS 1:25



SECTION L-4 1:25



SECTION L-5 1:25

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NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: STUCTURAL-RAMP STAIRS & LIFT SHAFTS

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YIMAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-AS GIVEN

A-001 GROUND FLOOR 1:75

NOTES:
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NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS,SECTIONS ELEVATIONS -STAFF RESIDENCE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:75

A-002 1ST-5TH FLOOR 1:75

NOTES:
1. All measurements are shown in millimeters. Drawings not to be scaled. Only figured dimensions to be used.
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3. All sections are to be read as per floor plan and all drawings must be read in concert with each other. Any discrepancies must be notified immediately to the architect and clarified consulting the architectural or consultants drawing.

CONSTRUCTION
4. Damp proof course must be provided under all external walls at grade. DPC to be minimum 150 mm above ground level.
5. All slab at grade to be poured at 1000 Gauge polythene on 50 mm stone dust blinding on hardcore.
6. All soil under slab and around external foundations to be poisoned for termite control.
7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP or waste pipes. All bends and junctions to have inspection plates.
15. SVP (soil vent pipes) to be provided at the head of the drainage.
16. Drain pipes passing beneath buildings and driveways to be encased in 150 mm concrete surround.
17. All under ground foul and waste drainpipes shall be UPVC to comply to BSS 4514 & 5255.
18. The storm water drain to comply to BSS 556.
19. All inspection chamber covers and frames shall be cast iron to comply to BSS 497 table 6 grade C.
20. Minimum slopes in drainpipes shall be 1%.
21. No chases will be allowed in the slabs for pipes. Sleeves will be allowed with the written approval of the S.E.
22. All testing of pipes must be completed before plastering.
23. All mechanical work must be coordinated with electrical work. Any conflicts must be clarified before work begins.

ELECTRICAL
24. All conduits must be laid before plastering.
25. All electrical work must be coordinated with mechanical drawings.

NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
1			
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS,SECTIONS ELEVATIONS -STAFF RESIDENCE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

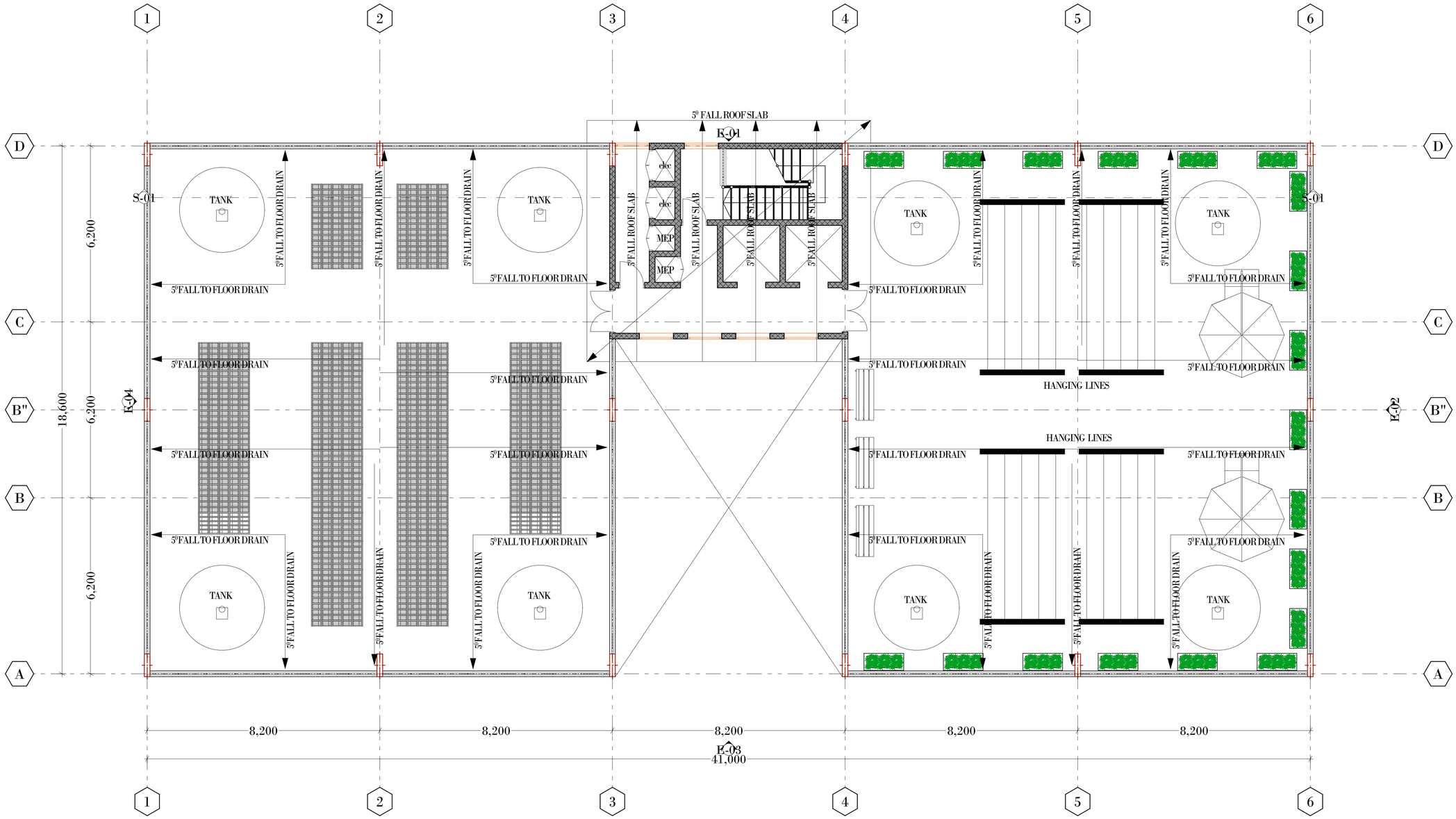
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:75



A-003 ROOF TOP PLAN 1:75

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7. Window sills must be finished before internal plastering.

CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
11. All walls less than 200 mm thick to be reinforced with hoop iron at every alternate course.

MECHANICAL
12. All plumbing and drainage to comply with city councils specifications.
13. All service ducts to be accessible from all floors.
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ELECTRICAL
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS,SECTIONS ELEVATIONS -STAFF RESIDENCE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

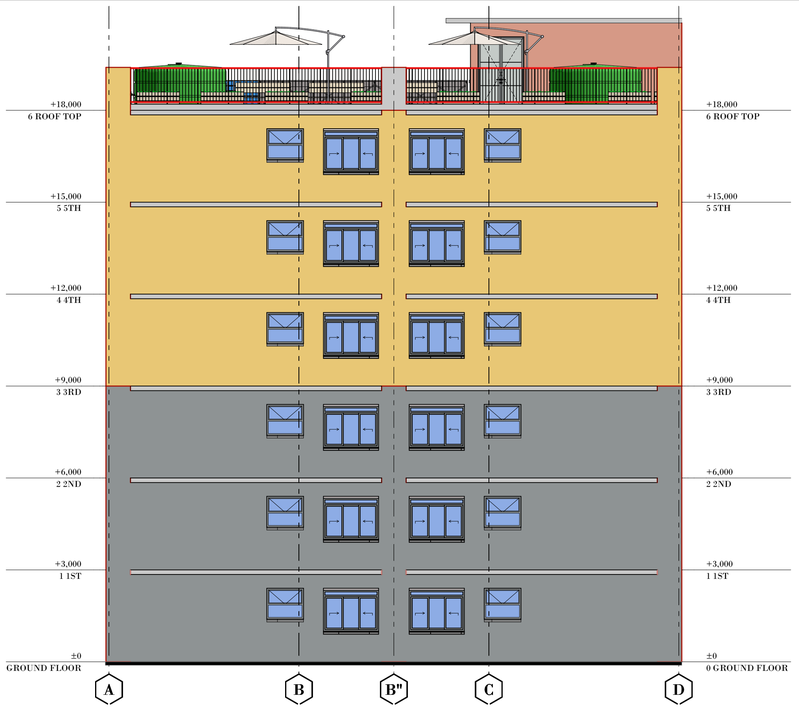
CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

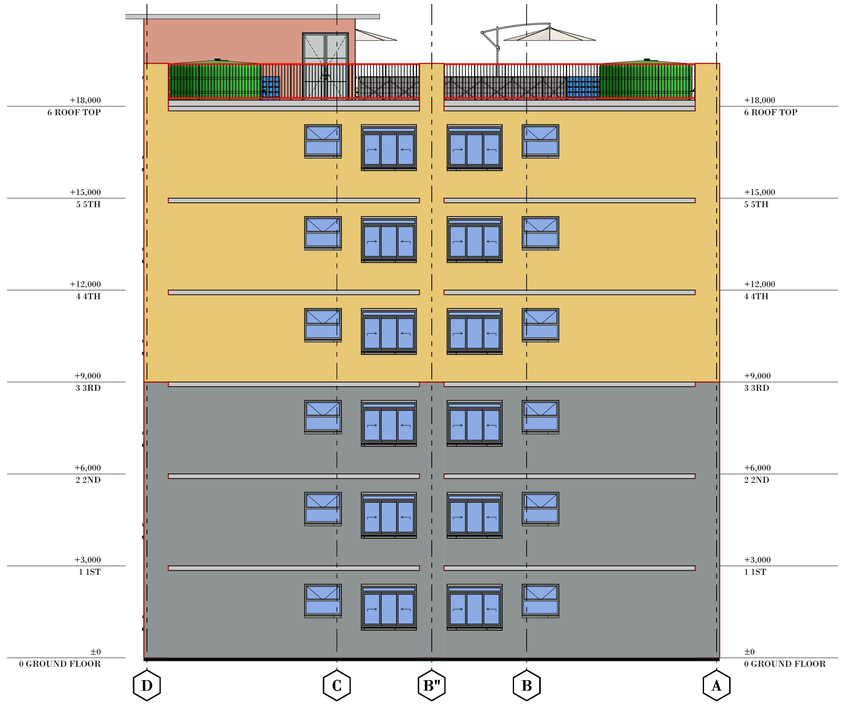
SCALE-1:75

E-01 BACK 1:100



E-02 SIDE 1:100

E-03 FRONT 1:100



E-04 SIDE 1:100

NOTES:
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CIVIL
8. All soils on cut embankment to be stabilized. The slope is not to exceed the natural angle repose of the soil.

STRUCTURAL
9. All RC work to structural engineer's details.
10. Depth of foundation to be determined on site to S.E's approval.
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MECHANICAL
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ELECTRICAL
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25. All electrical work must be coordinated with mechanical drawings.

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS,SECTIONS ELEVATIONS -STAFF RESIDENCE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

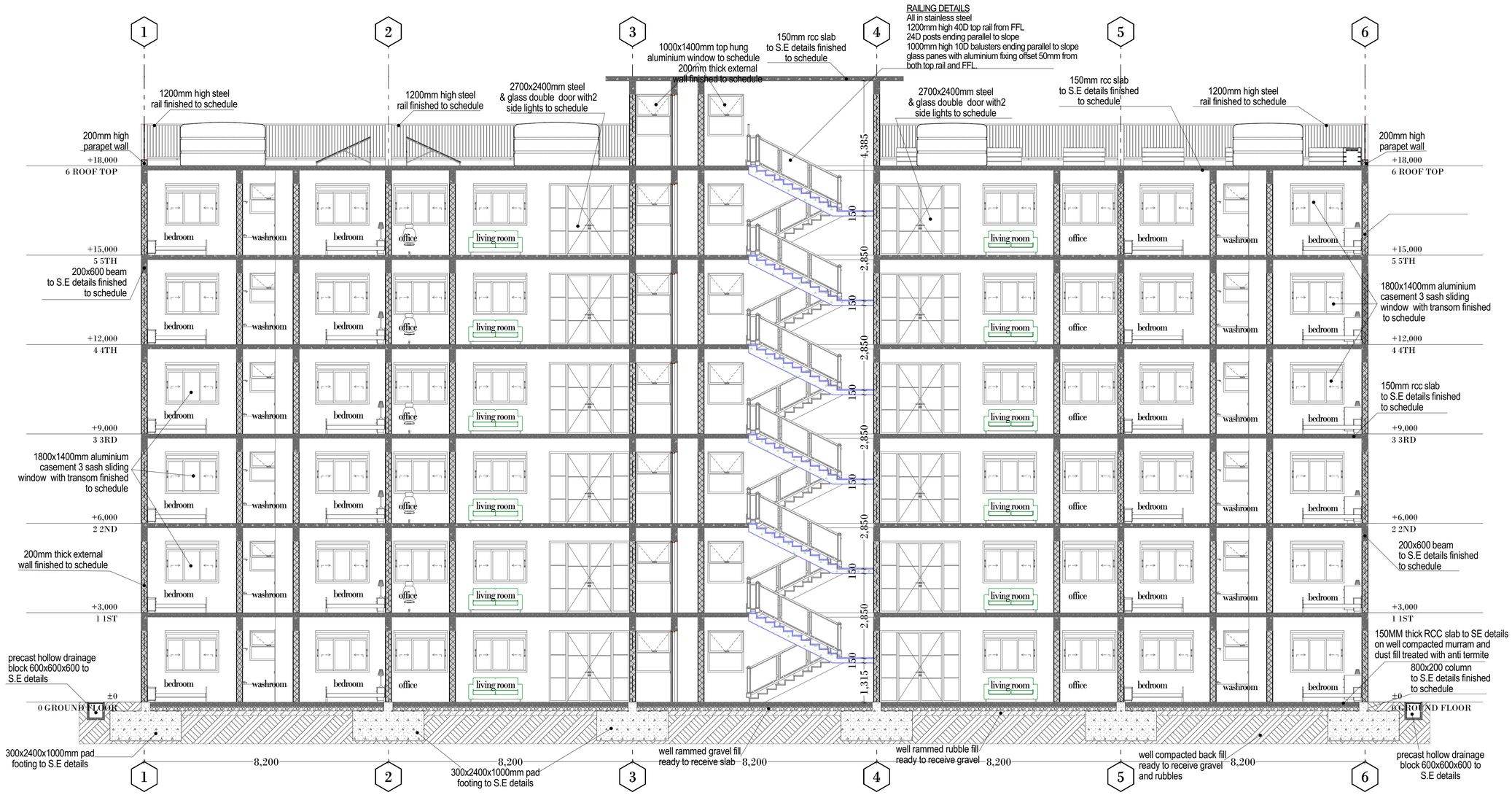
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



S-01 STAFF ACCOMODATION-SECTION 1:75

NOTES:
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CIVIL
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STRUCTURAL
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10. Depth of foundation to be determined on site to S.E's approval.
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ELECTRICAL
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS,SECTIONS ELEVATIONS -STAFF RESIDENCE

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

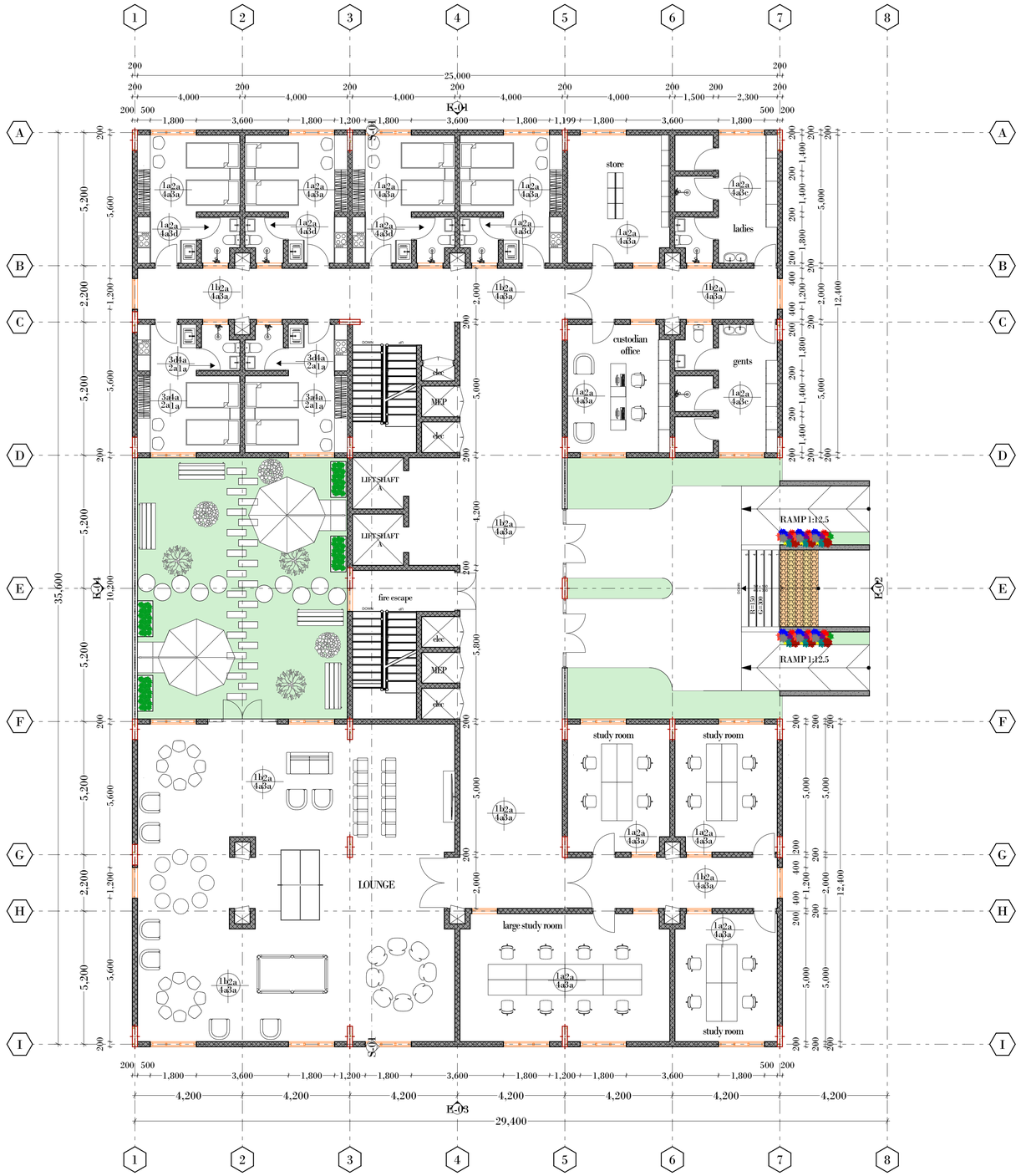
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

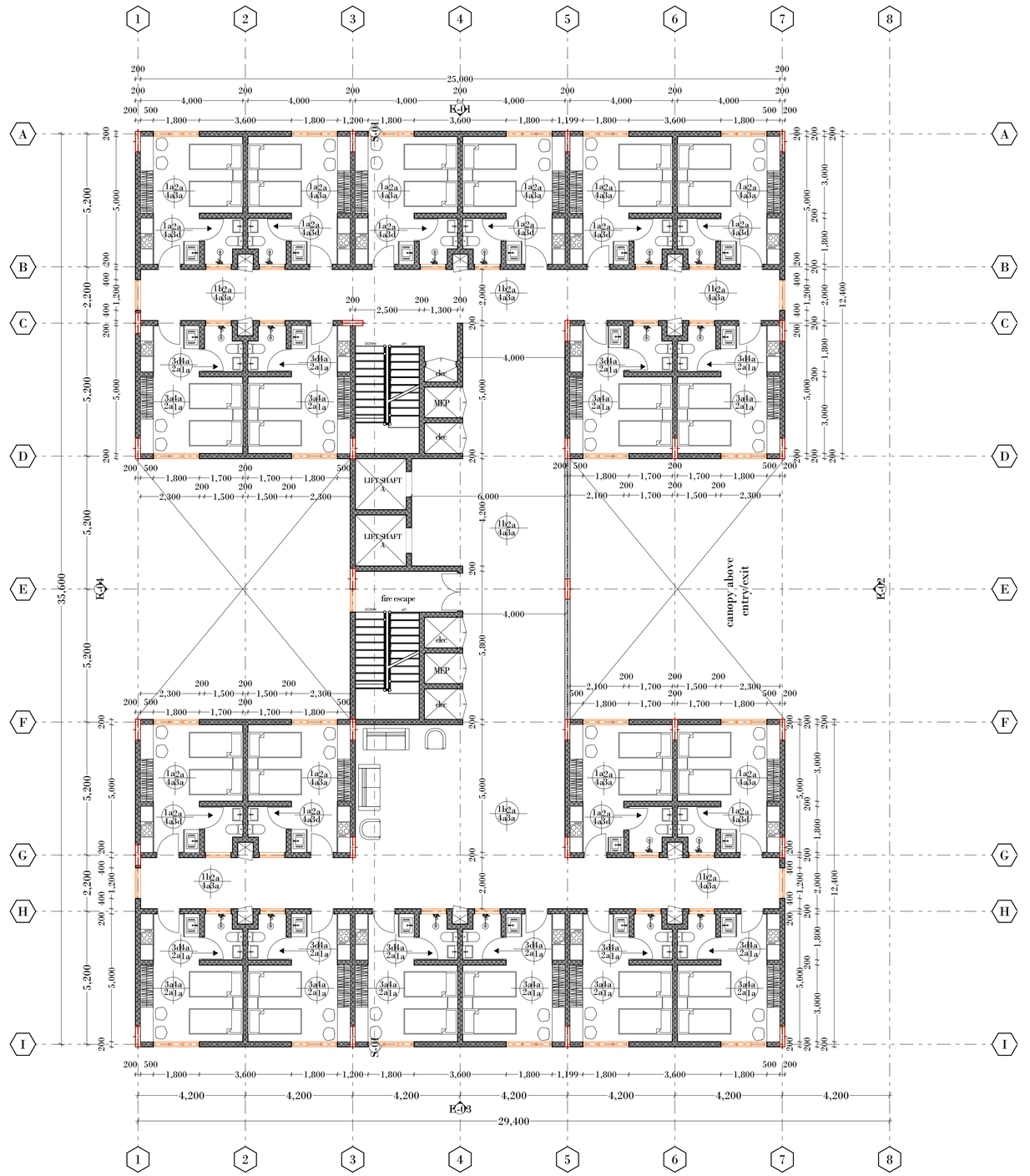
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:75



A-001 GROUND FLOOR 1:100



A-002 1ST -5TH FLOOR 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS,SECTION ELEVATIONS - STUDENT HOSTEL

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

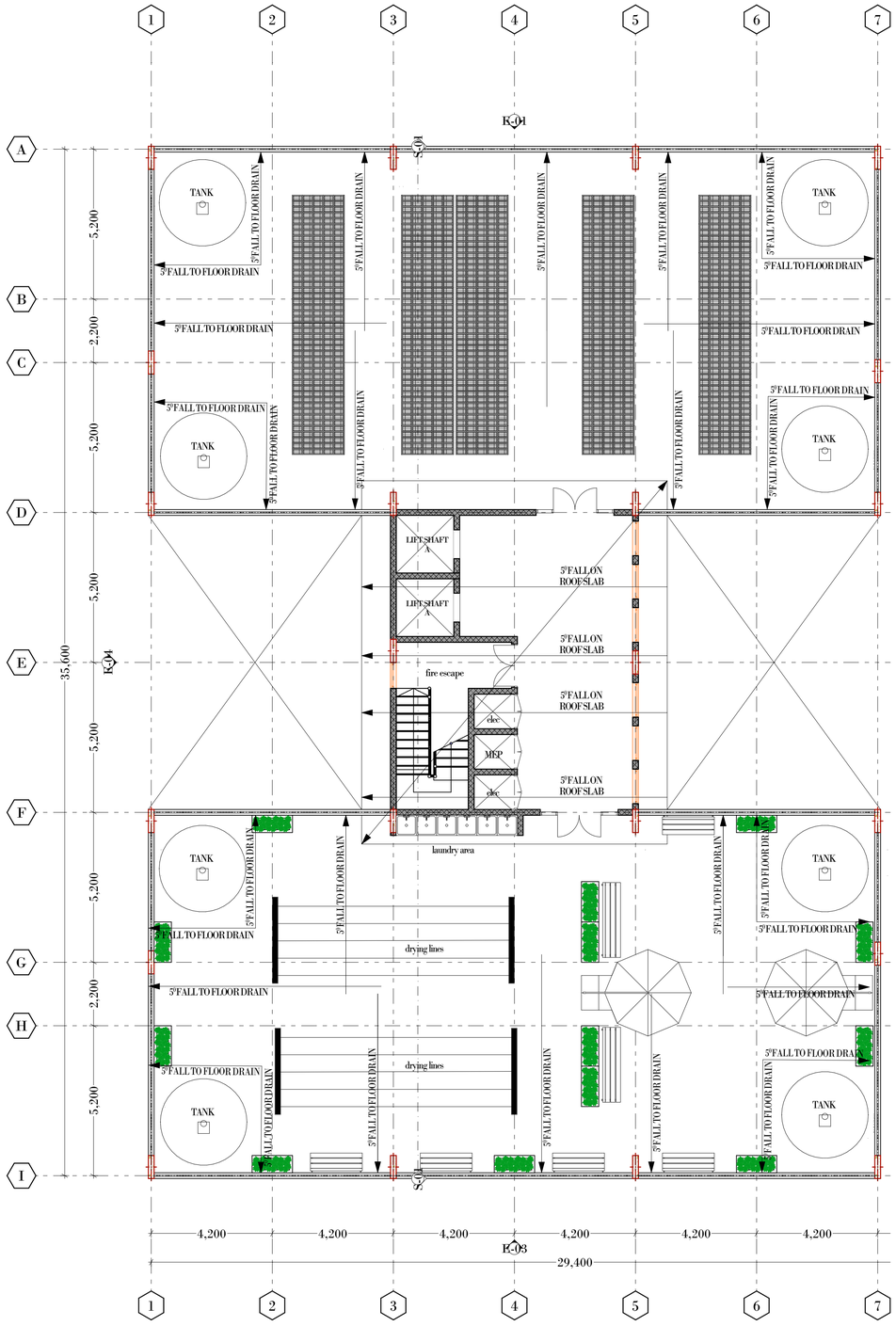
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA, DR. KIVINDU, DR. KARIUKI, ENG. YINAM, QS. MULAKU

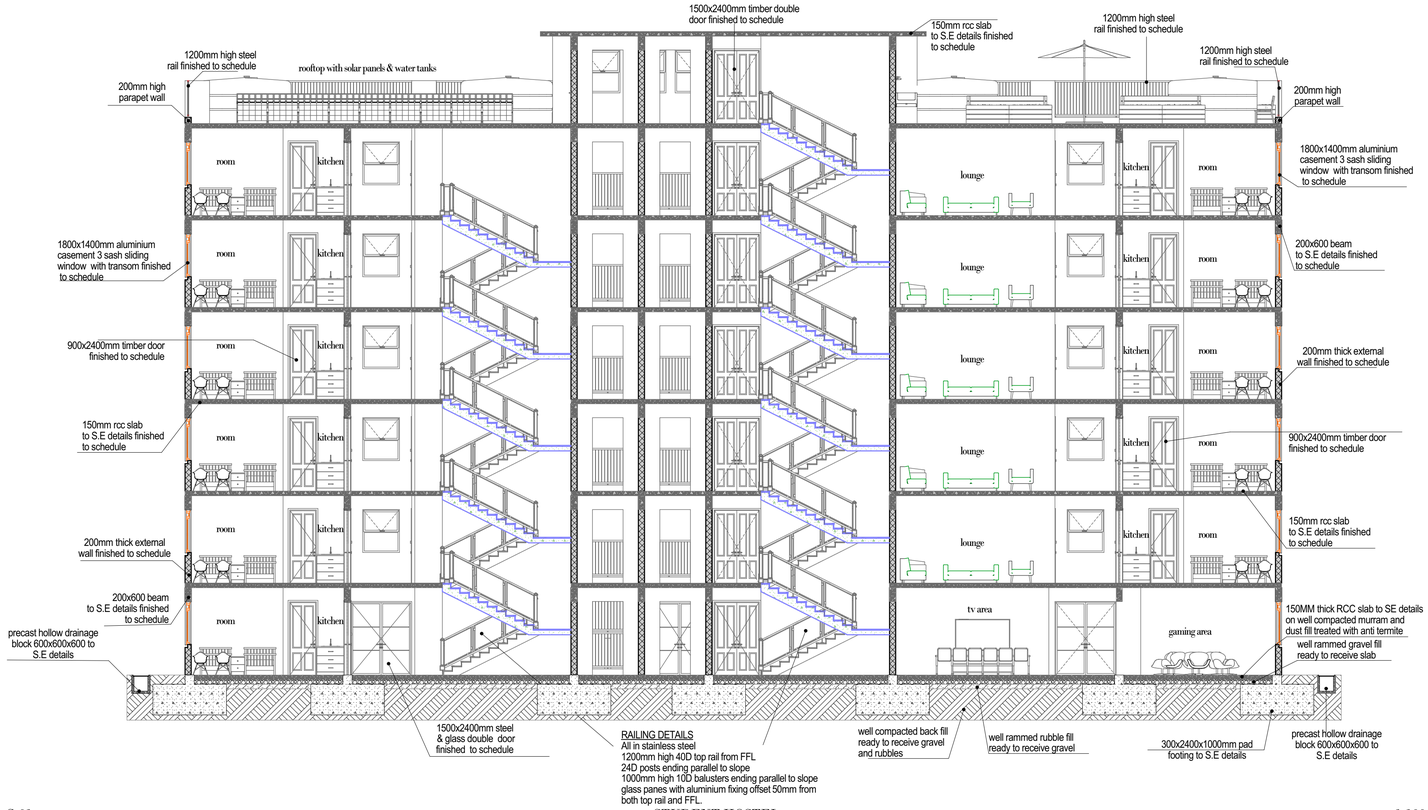
COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100



A003 ROOF TOP 1:100



S-01 STUDENT HOSTEL 1:100

NOTES:
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NO	REVISIONS DATE	DESCRIPTION	CHECKED BY
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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS,SECTION ELEVATIONS - STUDENT HOSTEL

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

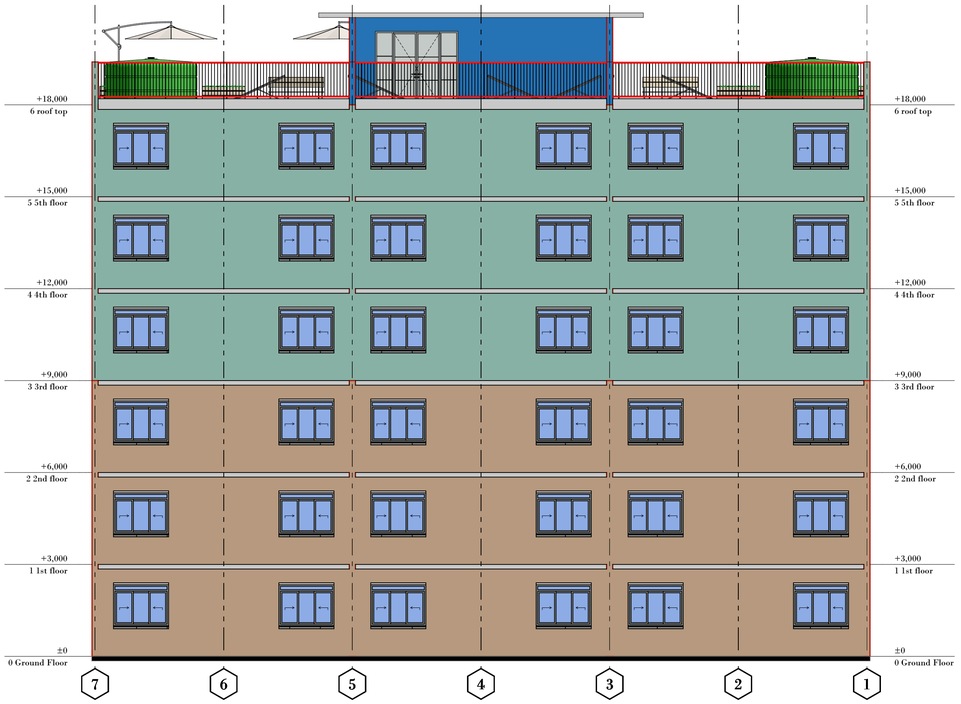
REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

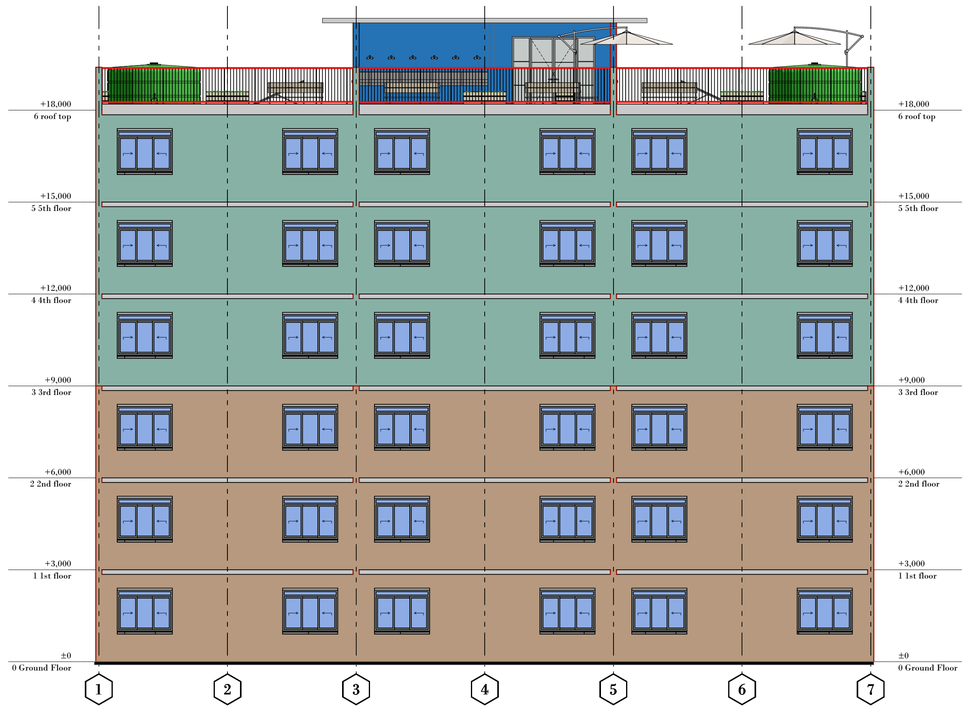
COURSE CODE: BCM 410

SCALE-1:100

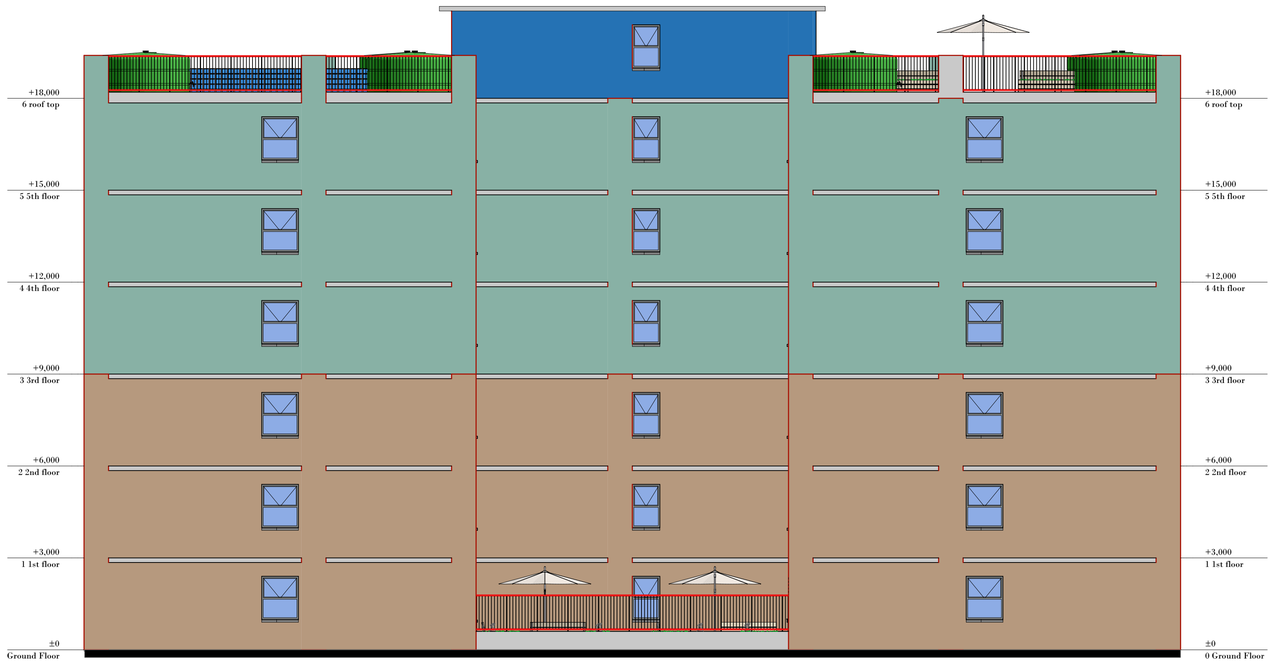


E-01 ELEVATION 1:100

E-02 ELEVATION 1:100



E-03 ELEVATION 1:100



E-04 ELEVATION 1:100

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DATE:14-06-2024

PROJECT TITLE: PROPOSED VOCATIONAL SCHOOL ON LR/209/18650 SOUTH C

DRAWING TITLE: PLANS,SECTION ELEVATIONS - STUDENT HOSTEL

CLIENT: AZUL TRADING LIMITED

DESIGNED BY: OKOTH DAVIS

REGISTRATION NUMBER: B76/4701/2020

CHECKED BY: DR. ARCH RALWALA; DR. KIVINDU; DR. KARIUKI; ENG. YINAM; QS. MULAKU

COURSE: CONSTRUCTION DESIGN IMPLEMENTATION PORTOFOLIO

COURSE CODE: BCM 410

SCALE-1:100