



EXPRESSION OF INTEREST

**DESIGN, SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF
COMMERCIAL KITCHEN AND LAUNDRY EQUIPMENT AT THE AMREF
INTERNATIONAL UNIVERSITY NORTHLANDS CAMPUS**

AMREF HEALTH AFRICA

EOI NO. AMIU/12/09/2024/019

LOT ONE (1)

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PART A: TECHNICAL REQUIREMENTS

SECTION 1: INVITATION TO TENDER

1. Amref Health Africa invites Proposals from eligible Candidates for supply, delivery and installation of commercial kitchen and laundry equipment at The Amref International University (AMIU) Northlands Campus currently under construction in two (2) lots as below;

LOT	DESCRIPTION	LOCATION
1	Supply, delivery, installation and commissioning of commercial kitchen equipment	AMIU Northlands Campus in Ruiru
2	Supply, delivery, installation and commissioning of commercial laundry equipment	

2. This tender document is only for **Lot Number One (1)**.

3. This is a two-stage tendering process:

Stage 1 - Submission of Preliminary and Technical Proposal.

In this stage successful shortlisted proposals will be sent a Terms of Reference (TOR) to respond to with specific details of the final technical solution required by Amref International University.

Stage 2 - Submission of Financial Proposal based on the final technical solution requirements.

After evaluation of the bids, there will be contract negotiation for the final award with the successful bidders.

4. Interested eligible candidates may obtain further information from the **Amref Health Africa** website www.amref.org and the **Amref International University** website www.amref.ac.ke
5. Complete sets of tender documents can be downloaded from the Amref Health Africa website; <http://amref.org/expression-of-interest-eoi/> or the Amref International University website <https://amref.ac.ke/tenders/> by interested bidders upon payment of non-refundable fee of Ksh.3,000 PER LOT. The payment should be made through the following Bank account(s): **National Bank of Kenya, Account No: 01020058330100**. Amref Health Africa will not issue eTIMS receipt for payment made.
6. Candidates will then attach a copy of banking/deposit slip to the tender documents as proof of purchase. Candidates interested in buying both lots Must pay for the lots separately and attach the copy of banking/deposit slips respectively.
7. Completed tender documents for preliminary and technical requirements are to be enclosed in a plain envelope (**each LOT in a separate envelope**) marked with the tender reference number, tender name and Lot number. Please note that only one complete tender document per lot is required (Do not provide additional copies per lot).

8. Interested eligible bidders are also invited for a virtual pre-tender conference to be held on **Tuesday 17th September 2024 starting 9AM.**

Register in advance for this meeting:

<https://amref.zoom.us/join/91561282000>

After registering, you will receive a confirmation email containing information about joining the meeting.

9. Tenders must be delivered to the address below not later than **Wednesday 25th September 2024 at 12.00 noon.**
10. Tenders should be dropped at the **Amref International University - Tender Box** at the **Main Reception**. Tenders will be opened at 12 noon on the closing date in the presence of the Tenderers' representatives who choose to attend at the Amref International University Auditorium. Electronic bidding will not be permitted. **No bids will be accepted after 12 noon on the closing day.**
11. Prices quoted should be inclusive of VAT and all other applicable taxes and must be in KES and shall remain valid for 90 days from the closing date of the tender. The prices in your financial cost estimate should be broken down as follows: (Do not key in your financial cost estimate in this section)
 - i. Unit cost per component
 - ii. 16% VAT
 - iii. Other applicable taxes
 - iv. TOTAL Cost

SECTION 2: INSTRUCTIONS TO TENDERERS

2.1 Eligible Tenderers.

2.1.1 This invitation for tender is open to all eligible tenderers.

2.1.2 Tenderers shall be under a declaration of ineligibility for corrupt or fraudulent practices.

2.2 Cost of tendering.

2.2.1 The tenderer shall bear all costs associated with the preparation and submission of its bid. Amref Health Africa or its agents, will under no circumstance be responsible or liable for those costs regardless of the conduct or outcome of the tendering process.

2.2.2 **The bidders are expected to undertake site visit and assessment to establish the scope of work. They will need to fill a site visit certificate and ensure it is duly signed and stamped by the designated officers to be attached to their tender.**

2.2.3 Site Visits shall be facilitated at the following dates and time;

Day	Date	Start Time	Contact Persons	Venue
1	Wednesday 18 th September 2024	12 Noon – 2pm	Zakayo Kariuki	Amref Health Africa Grounds, Northlands in Ruiru (Entrance Opposite Clay Works)
2	Thursday 19 th September 2024	12 Noon – 2pm		

NB: For ease of the process, interested Bidders MUST keep time. Late arrivals will have to reschedule to attend the next available time slot for site visit.
Interested bidders should send the full names and ID numbers of representatives expected to attend the site visit for prior approval to amiu.coo@amref.ac.ke before 6pm the day prior to the visit date.

2.3 Specific Instructions

2.3.1 Bidders must quote for all items and quantities as indicated per Lot in order to qualify for evaluation.

2.3.2 Bids will be evaluated on a lot by lot basis

2.3.3 Submitted proposals including brochures and any other attachments shall be in English.

2.3.4 The final bound tender document must be serially paginated (All pages in the document from top page (immediately after top cover) to the last page (one before back cover) including table of content, separators, brochures, bank deposit slip and any other attachments) in a continuous ascending order from the first page to the last in this format; 1,2,3.....n where n is the last page.

2.3.5 The document should be clearly arranged with separators and bound.

2.4 Amendment of documents

- 2.4.1 At any time prior to the deadline for submission of proposals, Amref Health Africa for any reasons, whether at its initiative or in response to a clarification requested by a prospective tenderer, may modify the tender by amendments.
- 2.4.2 All prospective candidates that have received the tender will be notified of the amendment in writing or by post and will be binding on them.
- 2.4.3 In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their bid, Amref Health Africa at its discretion may extend the deadline for the submission of Proposals.

2.5 Prices and Currencies

- 2.5.2 The tenderer shall indicate on the appropriate Price Schedule, the unit prices inclusive of all taxes and the total tender price of the items proposed to be purchased under the contract.
- 2.5.2 Prices quoted by the tenderer shall be fixed during the tender validity period and not subjected to variation on any account. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected.
- 2.5.3 The price quoted shall be in KES.

2.6 Validity of Proposals

- 2.6.1 Proposals shall remain valid for 90 days after date of tender opening prescribed by Amref Health Africa, pursuant to paragraph 2.10. Tender valid for a shorter period shall be rejected by Amref Health Africa as non-responsive.
- 2.6.2 In exceptional circumstances, Amref Health Africa may solicit the tenderers consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The tenderer may refuse the request. A tenderer granting the request will not be required nor permitted to modify its tender.

2.7 Sealing and Marking of tenders

- 2.7.1 The tenderer shall seal the tender and mark it with the number and name of the tender and **“DO NOT OPEN BEFORE 12 noon on Wednesday 25th September 2024”**

2.8 Deadline for Submission of Proposals

2.8.1 Proposals must be received by Amref Health Africa not later than **Wednesday 25th September 2024 at 12 Noon.**

2.9 Modification of Proposals

2.9:1 The tenderer may modify or withdraw its tender after the tender's submission provided that written notice of the modification, including substitution or withdrawal of the Proposals, is received by Amref Health Africa prior to the deadline prescribed for submission of Proposals.

2.9:2 The tenderer modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of paragraph 2.10:1. A withdrawal notice may be sent by email but followed by a signed confirmation copy, postmarked no later than the deadline for submission of tender

2.9:3 No tenderer may be contacted after the deadline for submission of Proposals.

2.10 Withdrawals of tender

2.10:1 No tender may be withdrawn in the interval between the deadline for submission of Proposals and the expiration of the period of tender validity specified by the tenderer.

2.11 Opening of Proposals

2.11:1 Amref Health Africa will open all tenders in the presence of tenderers' representatives who choose to attend at 12 noon, on **Wednesday 25th September 2024** and in the location specified in the tender. The tenderers or representatives who are present shall sign a register evidencing their attendance.

2.11:2 The tenderers' names, tender modifications or withdrawals, and the presence or absence of requisite tender security and such other details as Amref Health Africa, at its discretion may consider appropriate, will be announced at the opening.

2.11:3 Amref Health Africa will prepare a tender opening report.

2.12 Clarification of Bids

2.12:1 To assist in the examination, evaluation and comparison of Bids Amref Health Africa, at its discretion, may ask the tenderer for a clarification of its tender. The request for clarification and the response shall be in writing, and no change in the prices or Substance of the tender shall be sought, offered, or permitted.

2.12:2 Any effort by the tenderer to influence Amref Health Africa in the tender evaluation, tender comparison or contract award decisions may result in the rejection of the tenderers' tender.

2.13 Evaluation and Comparison of the Bids

2.13:1 Amref Health Africa will examine the Bids to determine whether they are complete, whether any computation errors have been made, whether required securities/tender purchase have been furnished, whether documents have been properly signed and whether the Bids are generally in order. After examination a tender that will be determined to be substantially non-responsive, will be rejected by Amref International University.

2.13:2 Amref Health Africa will evaluate and compare the Bids, which have been determined to be substantially responsive.

2.13:3 Amref Health Africa will notify bidders who will be required to provide samples in good time with specific sample submission details following finalization of the preliminary evaluation.

2.13:4 Amref Health Africa will ensure that the submitted samples are catalogued accordingly and correspond to the assigned bid number(s). The tenderers should ensure that all their samples have been captured correctly.

2.14 Notification of Award

2.14:1 Prior to the expiration of the period of tender validity, Amref Health Africa will notify the successful tenderer in writing that the tender has been accepted.

2.14:2 Simultaneously the other tenderers shall be notified that their Proposals have been unsuccessful.

2.15 Appeal Period

2.15:1 Any vendor/service provider who wishes to appeal against the outcome of the tender shall do so in writing within 3 working days of the date of the notification/regret letter. Any letter received after the third day shall not be responded to and shall be treated as null and void. Amref Health Africa shall have dispensed with this procurement.

2.16 Contacting Amref Health Africa

2.16:1 No tenderer shall contact Amref Health Africa on any matter relating to its tender, from the time of the tender opening to the time the contract is awarded.

2.16:2 Any effort by a tenderer to influence Amref Health Africa in its decisions on tender evaluation, tender evaluation committee, or contract award will result in the rejection of the tenderer's tender.

2.17 Lead time and delivery details

2:17:1 The supplier should be able to deliver all the requirements in the Lot(s) they have quoted for as specified in this tender document.

2:17:2 The supplier should include delivery schedule with lead times.

2:17:3 On arrival the supplies should be free from damage. The supplier shall be liable for all losses due to insufficient or unsuitable packing and delivery arrangements, and shall be liable for the cost of returning any unacceptable supplies.

2:17:4 The supplies must be free from objectionable matter and any substances that would represent a hazard to health.

SECTION 3: SCOPE OF WORK

The campus will have **approximately 3,000 students and 200 staff members with 400 students** residing permanently on site during the school term. The expression of interest consists of the design, supply, delivery, installation and commissioning of kitchen equipment including all the necessary accessories (drawings in appendix A) that shall meet food safety regulations, environmentally sustainable solutions, energy efficiency, durability, operational capacity and warranties for the equipment for liability and performance guarantees.

The cafeteria will serve meals and snacks for all students and staff in rotation starting at 0700hrs to 1500 hrs and dinner (1800 hrs to 2200hrs) for 400 No students who resident on site. Proposed Menu is attached as appendix B.

The equipment shall include;

- 1. Food receiving and storage equipment**
 - a) Food storage equipment
 - Shelves and Sheet pan/ Dunnage racks
 - Storage containers
 - b) Refrigeration equipment
 - Refrigerator
 - Freezer
 - Cold room facility
 - Ice machine
- 2. Food preparation equipment**
 - Food processor
 - Mixers and Mixing bowls
 - Prep tables
 - Blenders and Juice extractor
 - Cutting boards, meat slicer/grinder/bone saw and vegetable cutter
 - Food Pots and pans
 - Tongs and Knives
- 3. Cooking equipment**
 - Ovens for baking, braising and roasting
 - Deep fryers
 - Grill and Toaster
 - Coffee brewer
- 4. Kitchenware & Crockery**
 - Cutlery
 - Glassware
 - Warming and holding equipment (Microwave, buffet units etc)
- 5. Maintenance and Miscellaneous**
 - Hygiene equipment (Dish washer, handwashing stations, and sanitizing areas)
 - Fire suppression systems
 - Drying racks

SECTION 4: ELIGIBILITY REQUIREMENTS AND TECHNICAL SPECIFICATIONS
LOT 1- Design, Supply, delivery, installation and commissioning of commercial kitchen equipment

A: Preliminary Evaluation Criteria

Bids will be evaluated based on the below criteria.

Bids **lacking any of the documents** below will be considered as non-responsive and therefore will be eliminated at this stage.

PRELIMINARY EVALUATION OF MANDATORY REQUIREMENTS				
Mandatory Requirements				
No.	Particulars	Marks	Compliant	Non-compliant
1.	Copy of Certificate of Incorporation/Certificate of Registration.	1 or 0		
2.	Copy of valid KRA Tax Compliance Certificate	1 or 0		
3.	Must attach copy of banking deposit slip as proof of purchase of tender documents (If applying for more than one LOT, provide specific payment for each LOT)	1 or 0		
4.	Must provide a copy of Valid business Trading License relevant to this tender	1 or 0		
5.	A current CR12 from the Registrar of Companies (generated within the last 12 months - as from August 2023 to date) or copies of identification cards for Sole Proprietors/Partnerships. (Must Specify the shareholding)	1 or 0		
6.	Must submit copies of the most recent 2 sequential audited financial reports (not older than 2021) and each must be signed and dated by the auditor and the firms Directors. (Both reports must have unqualified/unmodified auditor's opinion).	1 or 0		
7.	ENSURE that all pages are sequentially paginated in the format 1, 2,3 starting with 1 on the top page (see details of pagination and binding on sections 2.3.4 and 2.3.5 of the tender document).	1 or 0		
8.	Attach Original Duly signed and stamped Site Visit Certificate	1 or 0		

Note: All the above documents numbered 1 to 8 should be packaged and arranged in that order under the preliminary evaluation criteria section of the tender document.

B: Technical Evaluation Criteria

TECHNICAL SPECIFICATIONS

Technical Requirements			
		MAX SCORE	SCORE
Kitchen equipment Specifications	a) Food receiving and storage equipment b) Food preparation equipment c) Cooking equipment d) Kitchenware & Crockery e) Maintenance and Miscellaneous	25 or 0	
Work methodology	Provide your proposed approach and methodology to implementing each element of the requirement described in the Scope of Work Provide a work plan detailing; <ul style="list-style-type: none"> • All the activities (Deliverables) (5 mks) • Desired timelines (3mks) • Overall project time (2mks) 	10 marks	
Warranty	Provide Warranty period for the equipment stated in scope of work indicated below; <ul style="list-style-type: none"> a) Refrigeration equipment (1 mk) b) Cooking equipment (1 mk) 	2 marks	
Maintenance	Attach the proposed maintenance schedule and procedures required for routine maintenance	3 marks	
	Provide proof of supply and installation of kitchen equipment in the last 5 years (2019 to date) specifying the value (<i>Purchase orders/Invoices/contracts</i>) <ul style="list-style-type: none"> • Supplies above 10M (10mks) • Supplies above 5M but less than 10M (5mks) • Supplies below 5M (2mks) • No proof of supply attached (0mk) Max: 10mks	10 marks	
TOTAL SCORE		50 marks	

Note: Bidders who will not score at least 35 out of 50 marks will be considered non-responsive and will not proceed to the second stage.

SECTION 5: CONFIDENTIAL BUSINESS QUESTIONNAIRE

You are requested to give the particulars indicated in part 1 and either part 2(a), 2(b) or 2(c) whichever applies to your type of business.

PART 1 - General

Business Name:

Location of Business premises:

Country/Town.....

Postal Address:

Code: Town:

Tel No.:

E-mail: Fax:

Nature of Business:

Part 2 (a) - Individuals

Your Name in full:

Nationality: Country of Origin:

Citizenship details:

PART 2 (b) - Partnership

	Name	Nationality	Citizenship Details	Shares
1.
2.
3.

PART 2 (c)- Registered Company

Private or Public:

.....

State the nominal and issue capital of the company.....

Nominal

USD/Kshs:

Issued

USD/Kshs:

Give details of all directors as follows:

	Name	Nationality	Citizenship Details	Shares
1.
2.
3.



SECTION 6: Certificate of Site Assessment

This is to certify that:

[Name/s]

.....

Being the authorized representative/Agent of [Name of Tenderer]

.....

.....

participated in the site assessment for the Design, Supply, Delivery, Installation and Commissioning of Commercial Kitchen and Laundry Equipment EOI NO. AMIU/12/09/2024/019 – LOT 1

..... day of.....20.....

Signed: (Name).....(Sign):.....

(Zakayo Kariuki)

NOTE: This form is to be completed during the site assessment.

SECTION 7: References

BANK REFERENCES	
BANK HOLDING MAIN ACCOUNT	
Bank name and address	
Name of account	
Account number	How long open?

COMMERCIAL REFERENCES	
Provide names and contract details of two customers who may be approached to verify your capacity to perform against similar contracts.	
LOCAL/INTERNATIONAL TRADE REFERENCE – CUSTOMER 1	
Name and address	
Activity	Period of relationship
Contact name	Fax no.
Telephone No.	
LOCAL/INTERNATIONAL TRADE REFERENCE – CUSTOMER 2	
Name and address	
Activity	Period of relationship
Contact name	Fax no.
Telephone No.	

SECTION 8: Schedule of requirements

DESCRIPTION	QTY	UOM	Delivery Location
Design, Supply, Delivery, Installation and commission of commercial kitchen equipment	1	Unit	AMIU Northlands Campus

PART B: ESTIMATED COST OF PROPOSAL

SECTION 1 Estimated Cost (Include costs per the schedule of requirements)

NAME OF TENDERER	SPECIFICATIONS	QTY	UNIT PRICE	VAT	OTHER TAXES	TOTAL	REMARKS
	TOTAL						

SECTION 2 Delivery lead time

DESCRIPTION	QTY	UOM	DELIVERY LEAD TIME	REMARKS
	TOTAL			

Note. In case of discrepancy between the unit price and total, the unit price shall prevail.

Currency	GRAND TOTAL	In Figures
		In Words
Bidder's Name and Address	Date	Signature and Stamp

Note: Indicate breakdown of all taxes.

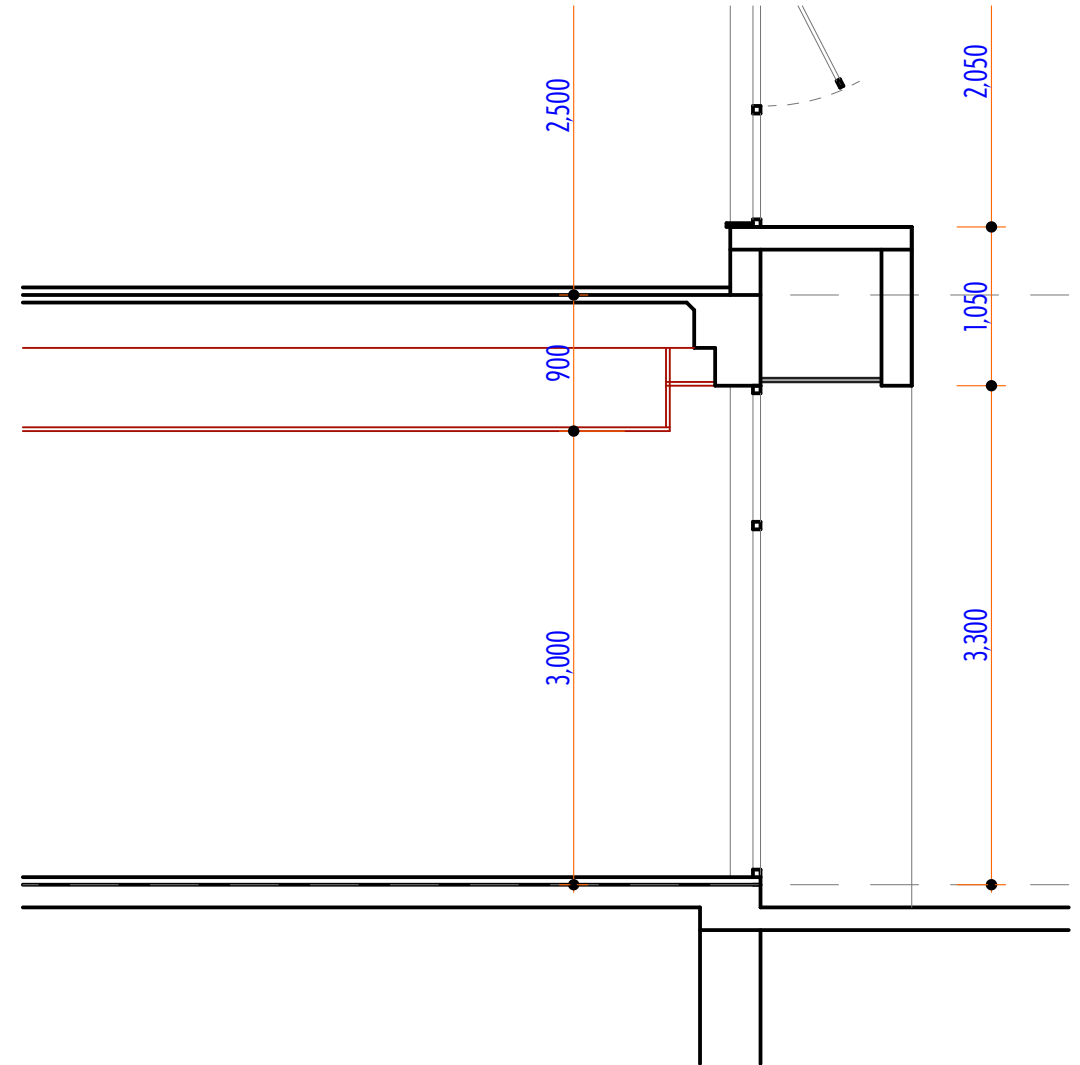
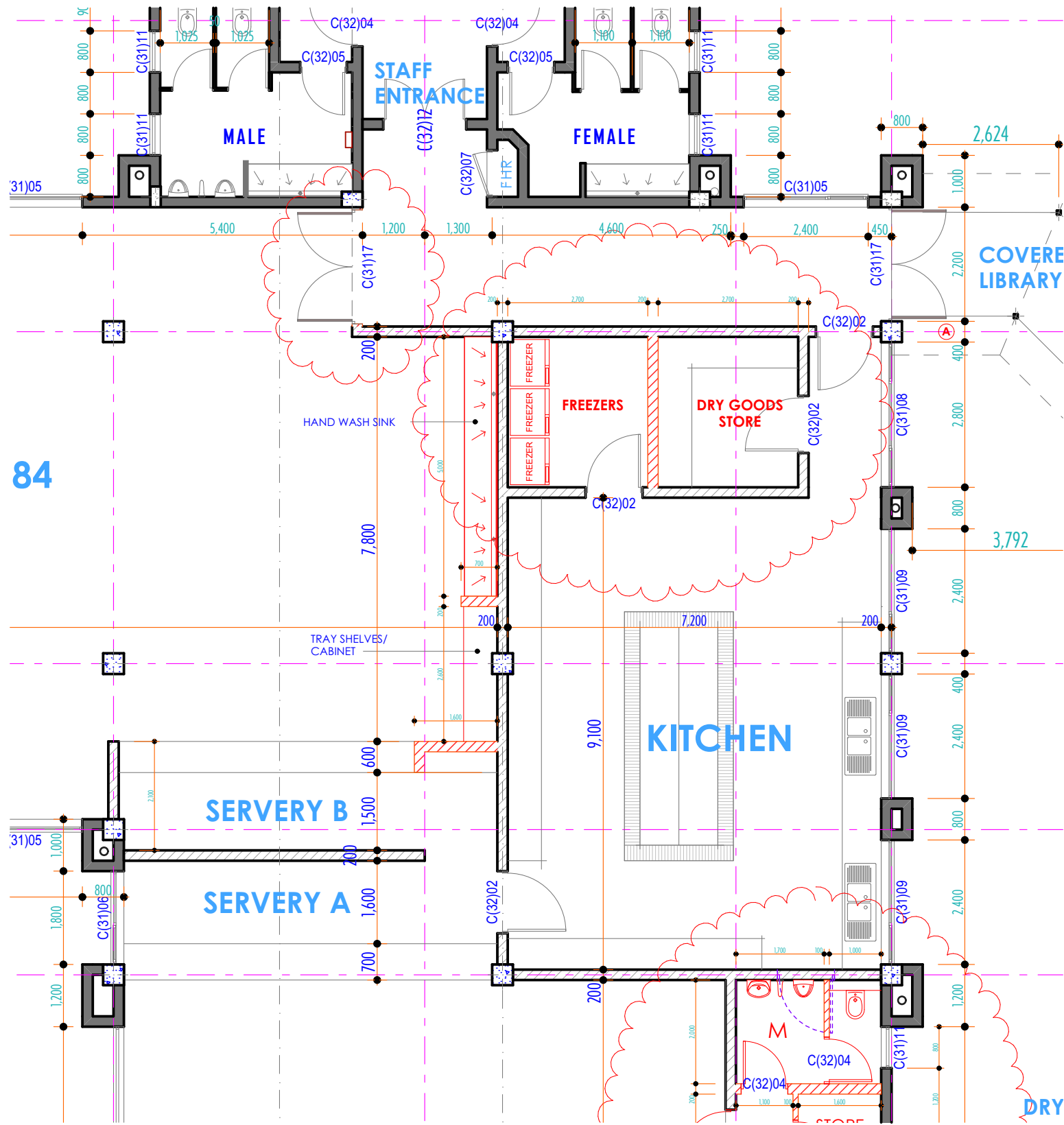
DECLARATION

I/We have completed this form (s) accurately at the time of reply and it is agreed that all responses can be substantiated, if requested to do so, and that any inaccuracy in the information filled herein will lead to disqualification of the tenderer.

For and behalf of:

Name:

Date: Signature



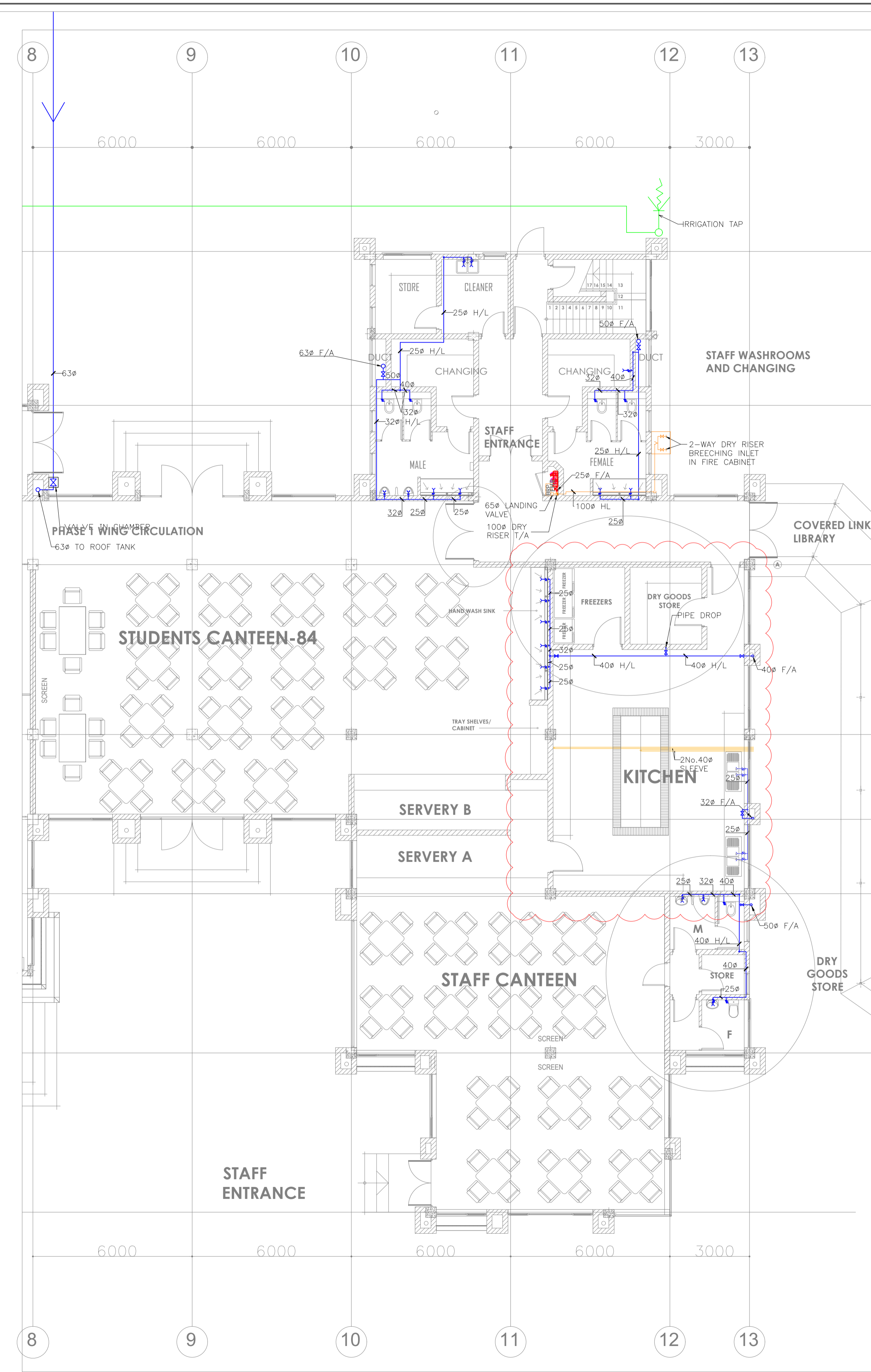
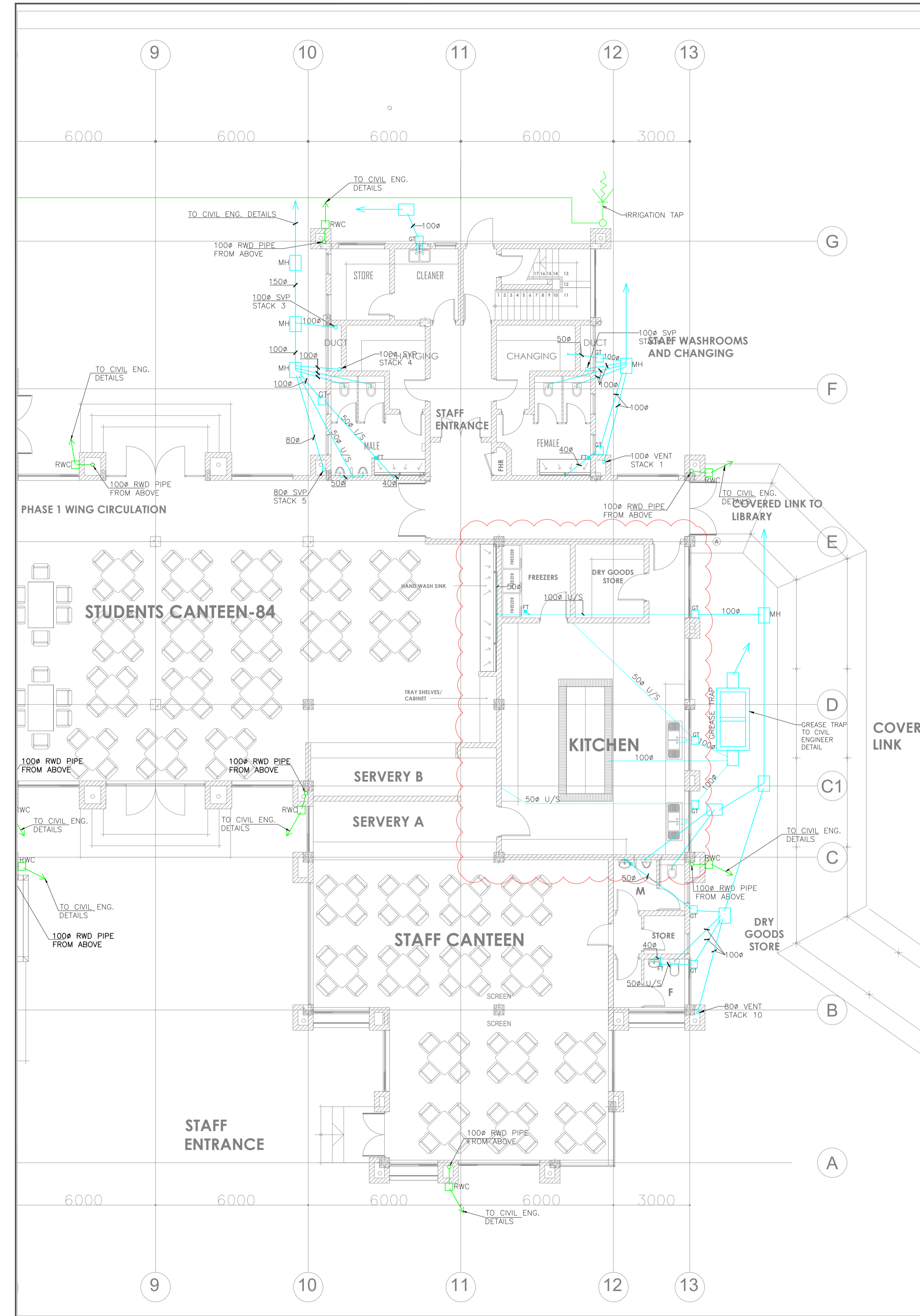
**AMREF
INTERNATIONAL
UNIVERSITY
- STUDENTS CENTRE**

Revision	Date	Description of Revision	Affected Drawings

Project Title **AMIU - STUDENTS CENTRE**
Drawing Type **PRODUCTION DRAWING
LOCATION PLAN L(73)
KITCHEN**

Job No.	Date 25/04/2024
Drawing No. L(73)01	Revision
Scale 1:100, 1:50	Checked S.W
Drawn Aaron	

Beglin Woods
Architects Limited
P.O. Box 22759 00400 Nairobi Kenya
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REVISIONS			
REV.	DESCRIPTION	DRAWN BY	DATE
C1	ORIGINAL ISSUE	FILE	MAY 23
C2	REVISED AS PER NEW ARCHITECTURAL DRAWING	FILE	JULY 23
C3	REVISED AS PER NEW ARCHITECTURAL DRAWING	FILE	AUG. 23

- NOTES
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECTS, CIVIL/STRUCTURAL ENGINEERS, ELECTRICAL ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - ANY DISCREPANCIES BETWEEN ANY DRAWINGS AND THE SPECIFICATIONS AND BILLS OF QUANTITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CONSULTANTS.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
 - ALL PIPE DIMENSIONS REPRESENT INTERNAL CLEAR DIAMETER.

LEGEND



SYMBOL	DESCRIPTION
→	ARROW IN LINE INDICATES DIRECTION OF FLOW
XX	INDICATES PIPE SLOPE DOWN
↑	PIPING UP
↓	PIPING DOWN
⊥	ISOLATION VALVE (GATE VALVE)
⊥	CHECK VALVE
⊥	STRAINER
⊥	PRESSURE REDUCING VALVE
⊥	ISOLATION VALVE (ANGLE VALVE G15mm)
⊙	ROOF DRAIN
⊕	FLOOR DRAIN

ARCHITECT:	BEGUN WOODS BOX 22759 00400 NAIROBI, KENYA
CLIENT:	AMREF HEALTHCARE AFRICA
STATUS:	CONSTRUCTION

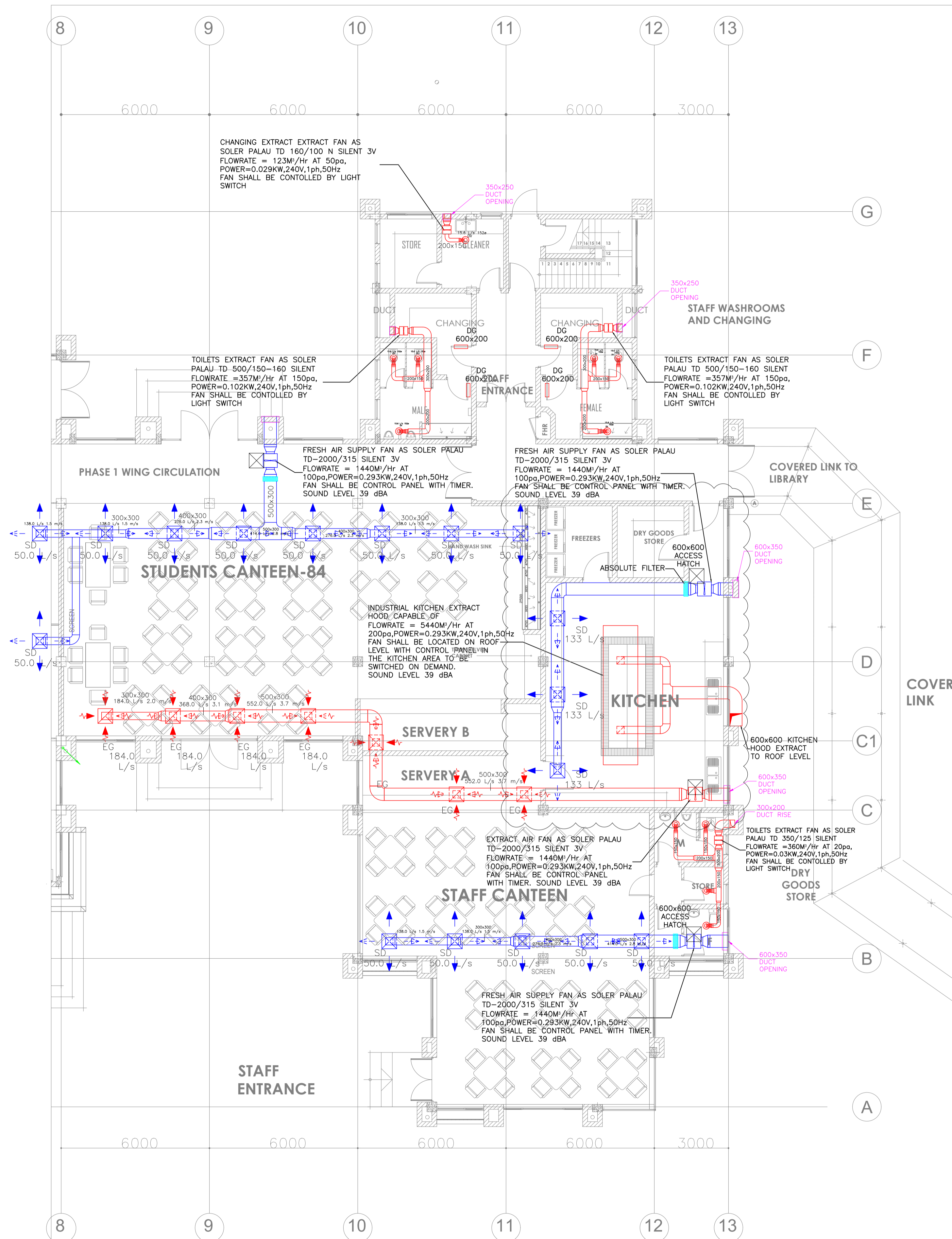
DM DESIGN MATIC DESIGN MATIC LTD
P.O. BOX 0181 - 00621
NAIROBI, KENYA

PROJECT TITLE:	PROPOSED UNIVERSITY CAMPUS (PHASE 1&2) FOR AMREF INTERNATIONAL UNIVERSITY (AMIU)
DRAWING TITLE:	STUDENT CENTRE PLUMBING & DRAINAGE GROUND FLOOR PLAN

PROJECT NO:	25467
DRAWN BY:	FILE
REVIEWED BY:	MP
DATE:	MAY 2023
SCALE A1:	1:100
DRAWING NO:	DM-25467-P&D-ST-GF
REVISION:	- C3

RAINAGE LAYOUT

PLUMBING LAYOUT



PLUMBING LAYOUT

REVISIONS			
REV.	DESCRIPTION	DRAWN BY	DATE
C1	ORIGINAL ISSUE	FIL	MAY 23
C2	REVISED AS PER NEW ARCHITECTURAL DRAWING	FIL	JULY 23
C3	REVISED AS PER NEW ARCHITECTURAL DRAWING	FIL	AUG. 23

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LEGEND

PIPING SYMBOLS	
SYMBOL	DESCRIPTION
→	ARROW IN LINE INDICATES DIRECTION OF FLOW
XX	INDICATES PIPE SLOPE DOWN
↑	PIPING UP
↓	PIPING DOWN
⊘	ISOLATION VALVE (GATE VALVE)
⊘	CHECK VALVE
⊘	STRAINER
⊘	PRESSURE REDUCING VALVE
⊘	ISOLATION VALVE (ANGLE VALVE G15mm)
⊘	ROOF DRAIN
⊘	FLOOR DRAIN

ARCHITECT: BEGLIN WOODS
 BOX 22759 00400
 NAIROBI, KENYA

CLIENT: AMREF HEALTHCARE AFRICA

STATUS: CONSTRUCTION

DM DESIGN MATIC DESIGNMATIC LTD
 P.O BOX 0181 - 00621
 NAIROBI, KENYA

PROJECT TITLE: PROPOSED UNIVERSITY CAMPUS (PHASE 1&2) FOR AMREF INTERNATIONAL UNIVERSITY (AMIU)

DRAWING TITLE: STUDENT CENTRE
 HVAC LAYOUT
 GROUND FLOOR PLAN

PROJECT NO: 25467

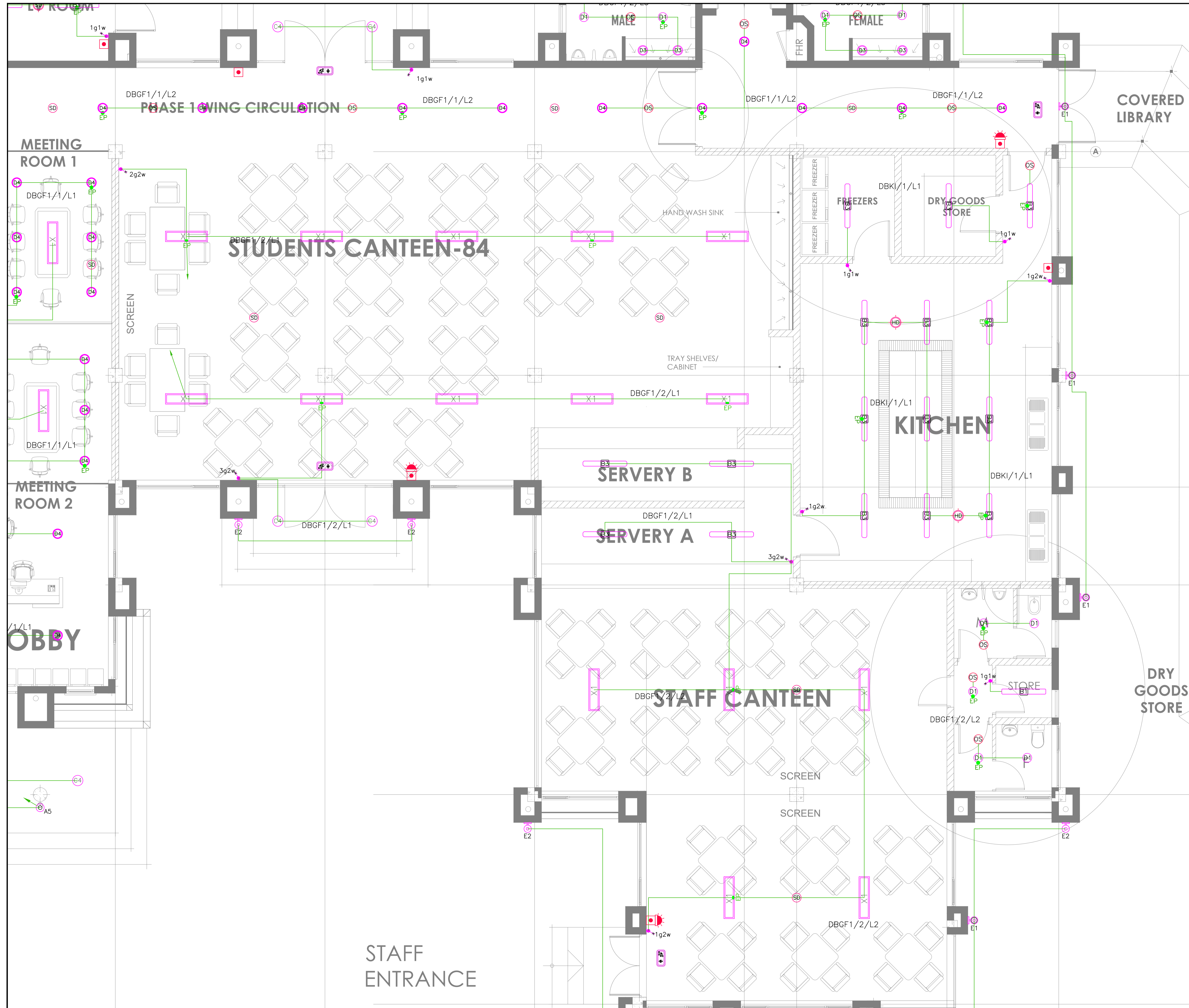
DRAWN BY: FIL

REVIEWED BY: MP

DATE: MAY 2023

SCALE A1: 1:100


DRAWING NO: DM-25467-HVAC-ST-GF REVISION: - C3

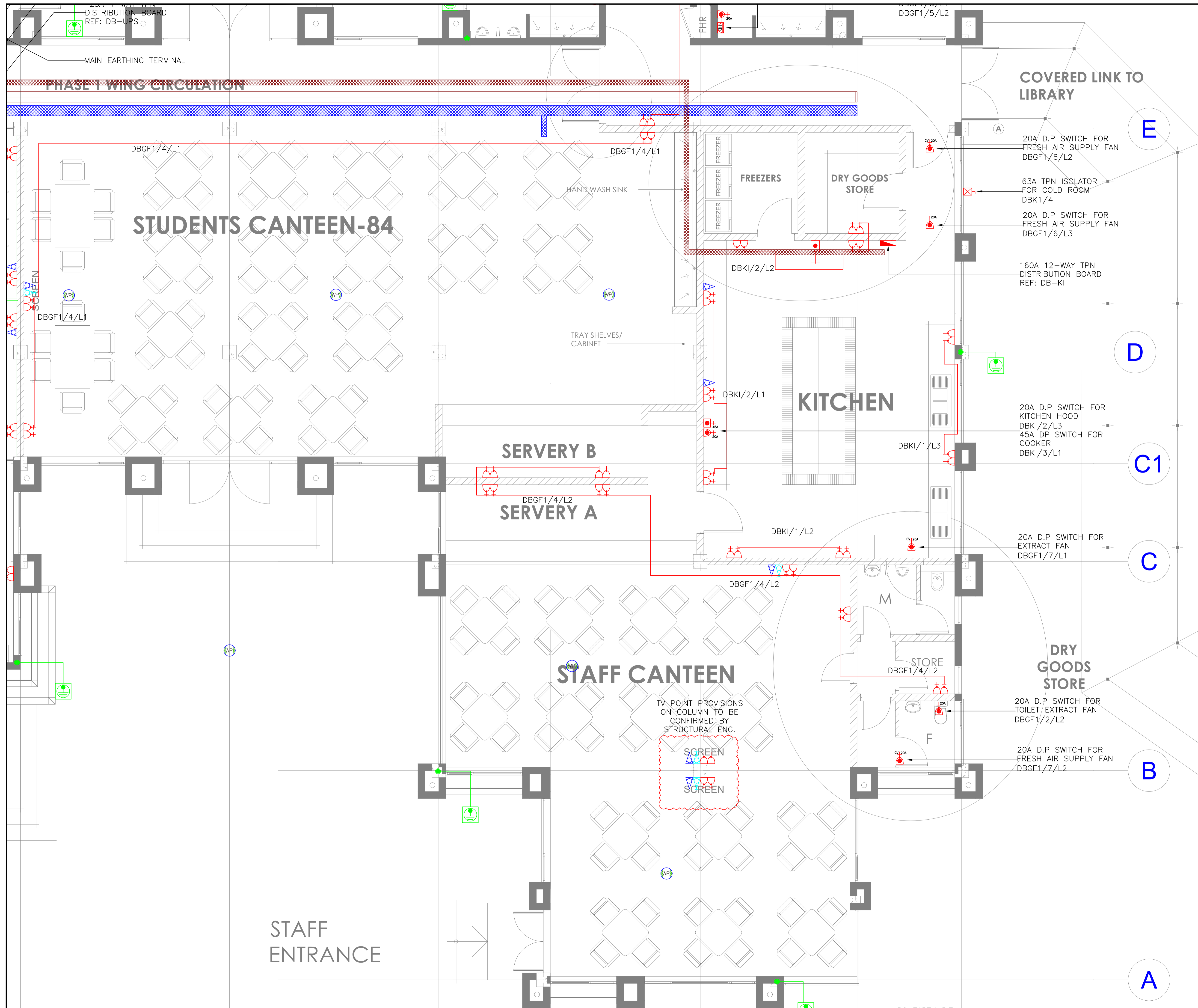


REVISIONS		
REV:	DESCRIPTION:	DRAWN BY: DATE:
C2	REVISED ARCH DRAWINGS	A.M JUL 23
C3	REVISED ARCH DRAWINGS	A.M AUG 23
C4	REVISED ARCH DRAWINGS	V.M JAN 24
C5	REVISED ARCH DRAWINGS - STAFF TOILETS, DRY GOODS STORE	V.M APR 24

NOTES	
1.	THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECTS, CIVIL/STRUCTURAL ENGINEERS, MECHANICAL ENGINEERS DRAWINGS AND SPECIFICATIONS
2.	ANY DISCREPANCIES BETWEEN ANY DRAWINGS AND THE SPECIFICATIONS AND BILLS OF QUANTITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CONSULTANTS
3.	ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE
4.	LIGHTING SWITCHES AND FIRE ALARM BREAKGLASS SHALL BE INSTALLED AT 1200MM ABOVE FINISHED LEVEL AND 200MM FROM DOOR FRAME UNLESS OTHERWISE STATED.
5.	SOUNDER WITH FLASHING BEACONS TO BE MOUNTED 2100MM AFFL UNLESS STATED OTHERWISE.

LEGEND		
REF:	SYMBOL	DESCRIPTION
01.	⊗	LIGHTING POINT
02.	⊗	GROUND RECESSED DOWNLIGHT, IP65, 3W LED GU10 LAMP - 3000K COMPLETE WITH DRIVER AND FIXINGS
03.	⊗	SURFACE MOUNTED "CIRCULAR" 12W LED LUMINAIRE, 4000K, IP65, 1200MM, C/W POLYCARBONATE DIFFUSER, DRIVER & FIXINGS AS PHILIPS CORELINE WALL MOUNTED 16.50V LED L2S/840/PSU WH
04.	⊗	SURFACE MOUNTED "CIRCULAR" 15W LED LUMINAIRE C/W GLASS DIFFUSER/PSU 1650MM, DRIVER AND FIXINGS AS LEDVANCE DL SURFACE IP65 DN 80 P 15W 850.500.01
05.	⊗	SURFACE MOUNTED LED WEATHERPROOF BATTERY 1200MM, 24W, 4000K, 2400LM, IP65, C/W FIXINGS AS PHILIPS LEDVANCE WATERPROOF WTD5C
06.	⊗	SURFACE MOUNTED LED WEATHERPROOF BATTERY 1200MM, 24W, 6500K, 2400LM, IP65, C/W FIXINGS AS PHILIPS LED VIKTOR WTD5C
07.	⊗	CEILING RECESSED 6W LED DOWNLIGHT, 4000K, IP20, 900MM C/W DRIVER FIXINGS & ACCESSORIES AS PHILIPS ESSENTIAL SMARTBRIGHT DN27B G3
08.	⊗	CEILING RECESSED 15W LED DOWNLIGHT, 4000K, IP20, 2000MM, 2000MM C/W DRIVER, FIXINGS & ACCESSORIES AS PHILIPS ESSENTIAL SMARTBRIGHT DN27B G3
09.	⊗	CEILING RECESSED 6.5W LED DOWNLIGHT, 4000K, IP44, 650MM C/W DRIVER & FIXINGS AS PHILIPS CORELINE DOWNLIGHT DN145B LED65/840/PSU I WH
10.	⊗	CEILING RECESSED 12W LED DOWNLIGHT, 4000K, IP20, 1200MM, 1200MM C/W DRIVER, FIXINGS & ACCESSORIES AS PHILIPS ESSENTIAL SMARTBRIGHT DN27B G3
11.	⊗	DOWN LEGEND, EMERGENCY EXIT LIGHT SIGN AS LEDVANCE EM BLADE 4.2W 30M 3H
12.	⊗	LEFT LEGEND, EMERGENCY EXIT LIGHT SIGN AS LEDVANCE EM BLADE 4.2W 30M 3H
13.	⊗	RIGHT LEGEND, EMERGENCY EXIT LIGHT SIGN AS LEDVANCE EM BLADE 4.2W 30M 3H
14.	⊗	EMERGENCY KIT
15.	⊗	SURFACE MOUNTED LED WEATHERPROOF BATTERY, 600MM, 16.5W, 4000K, IP65, C/W, FIXINGS AND ALL OTHER ACCESSORIES AS PHILIPS SMARTBRIGHT LED WATERPROOF WTD5C
16.	⊗	RECESSED/SURFACE MOUNTED 800MM LED PANEL LUMINAIRE, 4000K, IP20, 29W, 3100LM C/W DRIVER AND FIXINGS AS PHILIPS CORELINE RC132V
17.	⊗	RECESSED/SURFACE MOUNTED 1200MM LED PANEL LUMINAIRE, 4000K, IP20, 29W, 3600LM C/W DRIVER AND FIXINGS AS PHILIPS CORELINE RC132V
18.	⊗	RECESSED/SURFACE MOUNTED 800MM LED PANEL LUMINAIRE, 4000K, IP20, 29W, 3600LM C/W DRIVER & FIXINGS AS PHILIPS CORELINE LED PANEL W502LO
19.	⊗	FLEXIBLE LED STRIP LIGHT IN ALUMINIUM PROFILE, 4.8W/M, 3000K, IP65 C/W BRIDES AND FIXINGS
20.	⊗	10A LIGHT SWITCH AS MKC, G = NO. OF GANGS, W = NO. OF WAYS, I = INTERMEDIATE
21.	⊗	10A ARCHITRAVE LIGHT SWITCH AS MKC, G = NO. OF GANGS, W = NO. OF WAYS, I = INTERMEDIATE
22.	⊗	CEILING RECESSED PIR OCCUPY SENSOR AS ROBUS 360 SENSOR MOTION
23.	⊗	OPTICAL SMOKE DETECTOR WITH STANDARD BASE AS EATON
24.	⊗	OPTICAL SMOKE DETECTOR WITH SOUNDER BEACON BASE AS EATON
25.	⊗	RATE OF RISE/FIXED TEMPERATURE HEAT DETECTOR WITH STANDARD BASE AS EATON
26.	⊗	RATE OF RISE/FIXED TEMPERATURE HEAT DETECTOR WITH SOUNDER BEACON BASE AS EATON
27.	⊗	MANUAL CALL POINT AS EATON
28.	⊗	COMBINED FLASHER & SOUNDER
29.	⊗	FIRE ALARM MAIN CONTROL PANEL
30.	⊗	FIRE ALARM REPEATER PANEL
31.	⊗	WALL MOUNTED EXTERNALEDOWN LIGHTER - IP65, 1+10W LED, WITH VISOR, COMPLETE WITH DRIVER AND FIXINGS
32.	⊗	CEILING RECESSED 6W LED DOWNLIGHT, 3000K, IP65, 550MM C/W DRIVER & FIXINGS AS PHILIPS

ARCHITECT:	BEGLIN WOODS
CLIENT:	AMREF HEALTHCARE AFRICA
STATUS:	CONSTRUCTION
 DesignMatic Ltd P.O Box 0181 - 00621 Nairobi, Kenya	
PROJECT TITLE: PROPOSED UNIVERSITY CAMPUS (PHASES 1 & 2) FOR AMREF INTERNATIONAL UNIVERSITY (AMIU)	
DRAWING TITLE: LIGHTING AND FIRE DETECTION GROUND FLOOR STUDENT CENTRE	
PROJECT NO:	25467
DRAWN BY:	VM
REVIEWED BY:	MP
DATE:	APRIL 2024
SCALE AT A1:	1:125
DRAWING NO:	DM-25467-EE-SC-GF-LF
REVISION:	C5



REVISIONS			
REV.	DESCRIPTION:	DRAWN BY:	DATE:
C2	REVISED ARCH DRAWINGS	A.M	JUL 23
C3	REVISED ARCH DRAWINGS	A.M	AUG 23
C4	REVISED ARCH DRAWINGS	V.M	JAN 24
C5	REVISED ARCH DRAWINGS - STAFF TOILETS, DRY GOODS STORE	V.M	APR 24

NOTES

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE ARCHITECTS, CIVIL/STRUCTURAL ENGINEERS, MECHANICAL ENGINEERS DRAWINGS AND SPECIFICATIONS.
- ANY DISCREPANCIES BETWEEN ANY DRAWINGS AND THE SPECIFICATIONS AND BILLS OF QUANTITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CONSULTANTS.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
- ALL SOCKETS AT 300mm AFFL UNLESS OTHERWISE STATED
- CONTRACTOR TO PROVIDE BACKBOXES FOR TV AND DATA OUTLETS
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCING WORKING DRAWINGS, PROVIDING EQUIPMENT SCHEDULES AND SAMPLES, SEEKING APPROVAL FROM ENGINEER BEFORE COMMENCING INSTALLATION.
- KITCHEN EQUIPMENT PROVISIONS TO SPECIALIST DETAILS

LEGEND

REF.	SYMBOL	DESCRIPTION
01.	△	1-GANG FLEX OUTLET PLATE
02.	□	20AMP DP SWITCH WITH NEON INDICATOR
03.	□	32AMP DP SWITCH WITH NEON INDICATOR
04.	□	45AMP DP COOKER OUTLET+13AMP SWITCHED SOCKET OUTLET
05.	□	13AMP RAW POWER TWIN SOCKET OUTLET
06.	□	13AMP CLEAN POWER TWIN SOCKET OUTLET
07.	□	SPN ROTARY ISOLATOR SWITCH
08.	□	TPN ROTARY ISOLATOR SWITCH
09.	□	TPN POWER DISTRIBUTION BOARD
10.	□	SPN CONSUMER UNIT
11.	△/△	SINGLE/DUAL DATA SOCKET OUTLET (RJ45 CAT.6A)
12.	△	DUAL TV/M SOCKET OUTLET
13.	—	25MM PVC CONDUIT CONCEALED IN BUILDING FABRIC FOR POWER CABLES (/) - NUMBER OF CONDUITS.
14.	—	32MM PVC CONDUIT CONCEALED IN BUILDING FABRIC FOR DATA CABLES (/) - NUMBER OF CONDUITS.
15.	C/V	CEILING VOID
16.	—	CABLE TRUNKING FOR POWER CABLES
17.	—	PERFORATED CABLE TRAY FOR POWER CABLES
18.	—	PERFORATED CABLE TRAY FOR ICT CABLES
19.	—	CABLE LADDER FOR POWER CABLES
20.	□	EARTH INSPECTION PIT
21.	—	COPPER TAPE DOWN DOWN CONDUCTOR CLAMPED AT 1M SPACING
22.	—	LPS BONDING
23.	—	25MM X 3MM COPPER TAPE
24.	—	EARTH BONDING TO METALLIC PARTS
25.	□	1000MM x 1000MM MANHOLE FOR POWER
26.	□	450MM x 450MM MANHOLE FOR ICT CABLES
27.	□	WIRELESS ACCESS POINT
28.	□	RECESSED POWER FLOOR BOX
29.	□	TWO COMPARTMENT POWER POLE
30.	—	DESK METALLIC TRUNKING
31.	—	250X50MM POWDER COATED METALLIC TRUNKING
	□	HDMI OUTLET

ARCHITECT: BEGLIN WOODS

CLIENT: AMREF HEALTHCARE AFRICA

STATUS: CONSTRUCTION

DM DESIGN MATIC DesignMatic Ltd
P.O Box 0181 - 00621
Nairobi, Kenya

PROJECT TITLE: PROPOSED UNIVERSITY CAMPUS (PHASES 1 & 2) FOR AMREF INTERNATIONAL UNIVERSITY (AMIU)

DRAWING TITLE: SMALL POWER, ICT AND LPS GROUND FLOOR STUDENT CENTRE

PROJECT NO: 25467

DRAWN BY: VM

REVIEWED BY: MP

DATE: APRIL 2024

SCALE AT A1: 1:125

DRAWING NO: DM-25467-EE-SC-GF-SP **REVISION:** C5