



THE CO-OPERATIVE UNIVERSITY OF KENYA

TENDER NOTICE

INVITATION TO TENDER FOR THE CONSTRUCTION OF THE PROPOSED LECTURE THEATRE III ANEX PHASE I AT THE CO- OPERATIVE UNIVERSITY OF KENYA: TENDER NO. CUK/013 /CTL/2023-2024

The Co-operative University of Kenya (CUC) intends to construct eight (8) classrooms to match with the existing ones. Eligible bidders shall submit the following, among other eligibility requirements, listed in the instructions to bidders prescribed in the tender document

- (i) Certified copy of certificate of registration / incorporation
- (ii) A certified current copy of form CR12
- (iii) Copy of valid tax compliance certificate
- (iv) Valid current annual NCA practicing license
- (v) List of ongoing and completed projects of similar nature and their values
- (vi) Tender security
- (vii) Mandatory site visit shall be held on Tuesday 12th March 2024 at 10:00 AM on Site. A Certificate of Attendance shall be issued to all the Tenderers in attendance. The Certificate of Attendance must be submitted with the Tender Documents. Failure to attend the Mandatory Site Visit will result in automatic disqualification.

Interested and eligible bidders may inspect tender documents from the University's Procurement Department at (CUC) Main campus along Ushirika Road, Karen Langata during normal working hours upon payment of a non-refundable fee of **KES.1, 000.00** per set of documents, payable to the cashier at the Co-operative University or to be downloaded from the University website www.cuk.ac.ke free of charge.

Sealed and duly completed documents in plain sealed envelopes clearly marked '**TENDER FOR THE CONSTRUCTION OF THE PROPOSED LECTURE THEATRE III ANEX PHASE I AT THE CO- OPERATIVE UNIVERSITY OF KENYA: TENDER NO. CUK/013 /CTL/2023-2024** and addressed to:

**The Vice Chancellor
The Co-operative University of Kenya
P.O. Box 24814 – 00502 KAREN,NAIROBI**

Deposited in the tender box situated at the **Administration Block A**, so as to be received on before **Thursday, 19th March, 2024 at 2.00PM**, the tender documents will be opened thereafter in presence of participants who choose to attend and witness the opening session at the University, Vice chancellor's Boardroom.

**PROF. KAMAU NGAMAU, PhD., EBS
VICE CHANCELLOR**

JOB REF: PPC266PHASEIII - TENDER NO. CUK/013/CLT/2023-2024

PROJECT: PROPOSED LECTURE THEATRE III ANNEX

CLIENT: THE CO OPERATIVE UNIVERSITY OF KENYA

Bills Of Quantities - Phase I (8 No. Lecture Theatres)



PROPOSED LECTURE THEATRE III ANNEX (PHASE I)

TENDER NO. CUK/013/CLT/2023-2024

FOR

THE CO OPERATIVE UNIVERSITY OF KENYA

(BILLS OF QUANTITIES)

QUANTITY SURVEYORS

Paramount Project Consultants Ltd

P. O. Box 29152 - 00100

Nairobi

FEBRUARY 2024

Section No. 1

BQ CP

Proposed Completion of Lecture Theatre III Annex (Phase I)

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SECTION NO. 1: PART NO. 1

Section No. 1

SECTION COVER PAGE

Proposed Completion of Lecture Theatre III Annex (Phase I)

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**PROPOSED LECTURE THEATRE III ANNEX (PHASE I) TENDER NO.
CUK/013/CLT/2023-2024 FOR THE CO OPERATIVE UNIVERSITY OF KENYA**

TENDERER'S DETAILS

Name of Tenderer _____

Postal Address _____

Telephone Number _____

Email Address _____

Physical Address _____

NCA Class _____ (Please attach Certificate)

Authorised Representative _____

Mobile Telephone Number _____

Email Address _____

Alternative Contact Person _____

Mobile Telephone Number _____

Email Address _____

Section No. 1

TENDERER'S DETAILS

Proposed Completion of Lecture Theatre III Annex (Phase I)

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INSTRUCTIONS TO TENDERERS

1. Synopsis .

- 1.1. The Co operative University of Kenya of P. O. Box 24814 - 00502 Nairobi Karen invites sealed bids from eligible candidates for furnishing the necessary labour, materials, equipment and services required for the construction and completion of the Proposed Lecture Halls together with all auxiliary services.
- 1.2. Prospective candidates may obtain further information/details, view and download tender documents free of charge at the University's website www.cuk.ac.ke.
- 1.3. Interested and eligible candidates may inspect Tender documents from the University's department of procurement at The Co operative University of Kenya (CUK) Main Campus along Ushirika Road, Karen Langata during normal working hours upon payment of non refundable fee of KShs.1, 000.00 payable to the cashier at the Co-operative University or be downloaded from the University website www.cuk.ac.ke free of charge.
- 1.4. The Tenderer should submit One (1) Original Tender Document and One (1) Copy enclosed in plain sealed envelopes, clearly marked with the Tender Name and Number addressed to;

TENDER DOCUMENTS FOR LECTURE THEATRE III ANNEX (PHASE I)

TENDER NO. CUK/013/CLT/2023-2024

The Vice Chancellor

The Co-operative University of Kenya

P.O. Box 24814 – 00502

KAREN NAIROBI

- should be deposited in the tender box situated at the Main Administration Block (A) so as to be received on or before ***Tuesday 19 March 2024 at 2:00 PM.***
- 1.5. Tender documents will be opened immediately after closing in the presence of The Tenderers or their representatives who choose to attend the opening session at the University Boardroom.
 - 1.6. ***Women, Youth and Persons living with Disability who are duly registered and satisfy all the conditions of the tender and registration documents are encouraged to apply.***

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- 1.7. The Co operative University of Kenya (CUC) reserves the right to accept/reject any tender either in whole or in part
- 1.8. Mandatory Tender requirements will include the following:-
 - 1.8.1. Valid Tender Security amounting to **Kenya Shilling One Million Five Hundred Thousand (KShs. 1,500,000.00)**, from a Bank regulated by the Central Bank of Kenya or an Insurance Company Listed in the PPRA approved Tender Security Providers list.
 - 1.8.2. Certified Copy of Certificate of Incorporation/Registration.
 - 1.8.3. Certified copy of Certificate of Registration with the National Construction Authority (NCA). Minimum category NCA 5.
 - 1.8.4. Certified copy of Valid Tax Compliance Certificate, or acknowledgement receipt of application for Tax Compliance.
 - 1.8.5. A Copy of CR12 search indicating list of Directors.
 - 1.8.6. Power of Attorney.
 - 1.8.7. Declaration of no conflict of interest.
 - 1.8.8. Three (3) Completed Projects within the last Five (5) Years of **Kenya Shillings Forty Million (KShs. 40,000,000.00)** and above. (Supply letter of award/acceptance/appointment, Certificate of Practical Completion and Reference Letters from Employer/Client and/or Project Consultants (Allow Evaluation Team to confirm).
 - 1.8.9. Availability of Liquid assets and Lines of Credit to meet a Cash flow requirement of **Kenya Shillings Ten Million (KShs. 10,000,000.00)**.
 - 1.8.10. Litigation history (provide current Sworn Affidavit) (full disclosure for the Last Fifteen Years, allow Evaluation Team to confirm).
 - 1.8.11. A mandatory site visit shall be held on **Tuesday 12 March 2024 at 10:00 AM** on Site. A Certificate of Attendance shall be issued to all the Tenderers in attendance. The Certificate of Attendance must be submitted with the Tender Documents. Failure to attend the Mandatory Site Visit will result in automatic disqualification.
- 1.9. In addition, Bids/Tenders from the Bidders with the following shall be treated as non- responsive and therefore subject to automatic disqualification:-

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1.9.1. A Tender from a Tenderer who is facing debarment by the Public Procurement Regulatory Authority (PPRA) or any other authorized body.

1.9.2. A Tenderer whose Letter of Tender is not duly filled and signed and stamped.

1.10. Bidders are required to use the format indicated in the tender documents when filling tenders.

2. Scope of Works

2.1. The Works are located at The Co operative University of Kenya (CUK) Main Campus along Ushirika Road, Karen Langata.

2.2. The main works shall consist of the following principal items:

2.2.1. Construction and Completion of Lecture Halls.

2.2.2. Associated electrical, mechanical, landscaping and civil works, water supply and sanitation works,

2.2.3. Project Maintenance and Protection throughout the Project's construction period.

2.2.4. Provision of Site Office and attendance.

2.3. The Construction period including mobilization shall not exceed Six (6) Months.

3. Tender Validity Period

3.1. Tenderers shall submit Tenders which shall be valid for a period of Ninety (90) Days from the last date for submission of Tenders. Any tenderer who quotes a shorter validity period will have their Tender rejected.

3.2. In exceptional circumstances, prior to expiry of the original tender validity period, the Employer may request that the Tenderer extend the period of validity for a specified additional period, which shall not exceed Thirty (30) Days. The request and the responses thereto shall be made in writing.

3.3. A Tenderer may refuse the request without forfeiting the Tender Security, however that Tenderer will no longer be considered eligible for award.

3.4. A Tenderer agreeing to the request will not be required or permitted to modify his Tender, but will be required to extend the validity of his Tender Security for the period of the extension.

4. Eligibility of the Tenderer

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- 4.1. Tenderer and all parties constituting the tenderer shall not have a conflict of interest. Tenderers shall be considered to have a conflict of interest, if they:-
 - 4.1.1. Participated as a consultant in the preparation of the design or technical specifications of the works that are subject of this tender.
- 4.2. A Tenderer shall submit only one application in the same tender process, either individually as a company. No tenderer can be a subcontractor while submitting an application in the same tender process.
- 4.3. A subcontractor in any application may participate in more than one application, but only in that capacity.
- 4.4. A Tenderer who submits, or participates in, more than one application category will cause all the applications in which the Tenderer has participated to be disqualified.

5. Cost of Tendering

- 5.1. The Tenderer shall bear all costs associated with the preparation and submission of his tender and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.
- 5.2. The price to be charged for the Tender document (if any) shall be as indicated in the invitation to Tender.

6. Site Inspection

- 6.1. A prospective Tenderer wishing to visit the site may liaise with the Employer and arrange for a site visit to obtain additional information that may be necessary for preparing the tender and entering into contract for construction of the Works. The costs of visiting the Site shall be at the Tenderer's own expense.
- 6.2. The Tenderer shall ensure that he/she has satisfied himself/herself as to the nature and location of the work, the general and local conditions, particularly those bearing upon transportation, disposal, handling and storage of materials, availability of labour, water, electric power, roads and uncertainties of weather, or similar physical conditions of the site, the conformation and conditions of the ground character, the quality and quantities of surface and sub-surface materials to be encountered, including the sub-soil water level, the character of equipments/facilities

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needed, preliminary to and during the progress of the work, and all other matters upon which information is reasonably obtainable and which can in any way affect the work or its cost thereof under this contract.

7. Clarification of Tender Documents

- 7.1. The Tenderer is expected to examine carefully all instructions, conditions, forms, terms, specifications and drawings in the Tender Document. Failure to comply with the requirements of the Tender Documents may result In the Tender being rejected.
- 7.2. A prospective Tenderer requiring any clarification on the Tender Documents may notify the Employer in writing by email or by telefax at the Employer's mailing address indicated in the Invitation to Tender. The Employer will respond in writing or by email to any request for clarification which he receives at least Seven (7) Days prior in the deadline of the submission of Tenders.
- 7.3. Copies of written responses will be sent to all known Tenderers (with the query but without identifying the source of the enquiry). They should confirm receipt of these answers in writing within three (3) days.

8. Modifications to Tender Documents

- 8.1. The Employer may amend the Tender Documents by publishing modifications up to Seven (7) Days before the deadline for submission of Tenders.
- 8.2. Each modification published will constitute a part of the Tender Documents and will be sent, in writing, to all known Tenderers.
- 8.3. The Tenderers must provide written confirmation within Three (3) Days that they have received modifications, sign each page and attach it to the Tender Documents.
- 8.4. The Employer may, as necessary and in accordance with Clause 15.2, extend the deadline for submission of Tenders, to give Tenderers sufficient time to take modifications into account when preparing their Tenders.

9. Language of Tender

- 9.1. The language in which the Contract Documents have been drawn up is English which shall be the "Ruling Language" and shall be used for all correspondence and meetings related to the Tender.

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9.2. Supporting documents and printed literature furnished by the Tenderer may be in another language, provided they are accompanied by an accurate translation into the ruling language.

9.2.1. For the purposes of interpretation of the Tender, the ruling language will prevail.

9.2.2. The English translation shall be on the tenderer's letterhead and shall be signed by the duly authorised signatory signing the Tender and stamped with the Tenderer's stamp.

10. Tender Prices

10.1. The unit rates and the prices shall be quoted by the Tenderer, entirely in Kenyan Shillings.

10.2. The Tenderers' attention is drawn to the Kenya Government's latest regulations on Value Added Tax (V.A.T.) subjecting all construction services contracts to a V.A.T. rating of Sixteen Percent (16%). Tenderers are therefore required to allow for V.A.T. in their rates. Tenderer's should therefore note that all their Bills of Quantities rates for measured items and all preliminaries should include V.A.T. It should further be noted that all the Provisional Sums and P.C. Sums given herein are inclusive of V.A.T.

10.3. The annexed Bills of Quantities must be fully priced in ink. The Tenderer shall not alter or otherwise qualify the text of these Specifications and Bills of Quantities. Any alteration or qualification made without authority will be ignored and the text of the Bills of Quantities as printed will be adhered to.

10.4. All items of measured work shall be priced in detail and tenders containing Lump Sums to cover trades or groups of work must be broken down to show prices of each item before they will be accepted. Lump Sums to cover items of Preliminaries shall be likewise broken down if so required.

10.5. The Tenderer shall fill in rates and prices for all items of work described in the Bill of Quantities, whether quantities are stated or not, Items against which no rate or price is entered by the Tenderer will not be paid for by the Employer when the work relating to such items is executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.

10.6. The rates and prices quoted by the Tenderer shall only be subject to adjustment during the performance of the Contract if provided for in the Appendix to Conditions of Contract and provisions made in the Conditions of Contract.

10.7. If a discount is offered by the Tenderer, it must be clearly specified in the Bills of Quantities and

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indicated in the Grand Summary.

10.8. If the Tenderer offers a discount, the discount must be included on each interim payment certificate and calculated on the same basis as in the Tender.

11. Tender Security

11.1. The Tenderer shall furnish, as part of his Tender, a Tender Security amounting to **Kenya Shilling One Million Five Hundred Thousand (KShs. 1,500,000.00)**.

11.2. The Tender Security shall be denominated in Kenya Shillings and shall be from a Bank regulated by the Central Bank of Kenya or a Insurance Company Listed in the PPRA approved Tender Security Providers list.

11.3. The format of the Tender Security shall be in accordance with the sample form included in the Tender dossier. Other formats may be permitted subject to the prior approval of the Employer.

11.4. The Tender Security should be valid for One Hundred and Fifty (150) Days.

11.5. The Employer may seek authentication of the Tender Security from the issuing Financial Institution. It is the responsibility of the Tenderer to sensitize the Financial Institution on the need to respond directly and expeditiously to queries from The Employer.

11.6. The period for response shall not exceed Five (5) Days from the date of The Employer's query. Should there be no conclusive response from the bank within this period, such Tenderer's Tender Security may be deemed as invalid and the Tender rejected.

11.7. Any Tender not accompanied by a compliant Tender Security will be rejected by the Employer.

11.8. The Tender Securities provided by unsuccessful Tenderers shall be returned or discharged as promptly as possible but not later than Thirty (30) Days after the expiration of the Tender validity period.

11.9. The Tender Security of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

11.10. The Tender Security may be forfeited:-

11.10.1. If a Tenderer withdraws his Tender during the period of Tender validity; or

11.10.2. In the case of a successful Tenderer, if, within 30 days of receipt of the Letter of Acceptance fails to:

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11.10.2.1. Sign the Agreement, or

11.10.2.2. Furnish the required Performance Security.

11.11. The full amount of his security shall be retained by or, as the case may be, become payable to the Employer as compensation for such default.

12. Variations in Tendering conditions

12.1. The Tenderers shall submit offers which comply fully with the requirements of the Tender Documents, including the Works as indicated in the Drawings and Specifications.

12.2. No unauthorized alteration or addition shall be made to the Form of Tender, to the Bills of Quantities or to any other portion of the Tender Documents.

12.3. If any such alteration or addition is made or if the Bills of Quantities are not properly completed, the Tender may be rejected.

12.4. Tenders submitted in accordance with these Contract Documents shall be without qualifications. Qualifications in the nature of statements of interpretation of the Contract Documents shall be avoided and any point of difficulty or doubt shall be cleared with the Employer as early as possible during the Tendering period. Should any query be found to be of significance, all Tenderers will be informed accordingly by the Employer as early as possible.

12.5. Tenderers wishing to offer unsolicited technical alternatives to the Works as described in the Tender Documents must first submit a fully priced Tender as described in the Tender Documents and shall in addition provide all information necessary for a complete evaluation by the Employer of any such alternative, including design calculations, documentation of suitability, and the effect, if any, of such alternative on the Tender sum and program for the works.

12.6. Only technical alternatives, if any, submitted by the Tenderer selected by the Employer in accordance with Clause 12.5 be considered by the Employer.

13. Format and signing of Tenders

13.1. The Tenderer shall prepare and submit **ONE** original and **ONE COPY** of the Tender Document clearly marked "ORIGINAL AND COPY". In the event of a discrepancy, the original shall prevail.

13.2. The Tender Documents shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to bind the Tenderer to the Contract.

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- 13.3. Proof of authorization shall be furnished in the form of a written Power of Attorney, which shall accompany the Tender. All pages of the Tender where entries, or amendments have been made, shall be initialled by the person or persons signing the Tender.
- 13.4. The authorization shall be indicated by a written power of attorney granted by the Tenderer to the authorized person before a commissioner of oaths or a Notary Public or a Magistrate of the Kenya Judiciary.
- 13.5. The complete Tender shall be without alterations, interlineations or erasures, except those in accordance with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialled by the person or persons signing the Tender.
- 13.6. Only one Tender may be submitted by each Tenderer, excepting alternative offers in accordance with Clause 12.5.
- 13.7. No Tenderer may participate in the Tender of another Tenderer for the same Tender in any relation whatsoever.

14. Sealing and marking of Tenders

- 14.1. The Tenderers shall submit TECHNICAL TENDER and FINANCIAL TENDER in separate inner envelopes and enclosed in a single outer envelope.
- 14.2. **VERY IMPORTANT NOTE** The Tender Security should be enclosed in the Technical Tender Envelope.
- 14.3. The Original and The Copy of the Tender shall be sealed in separate envelopes and marked as such.
- 14.4. The inner and outer envelopes shall:-
 - 14.4.1. Be addressed to the Employer at the address provided in the Invitation to Tender.
 - 14.4.2. Bear the name and identification number of the Tender as defined in the Invitation to Tender.
 - 14.4.3. Provide a warning not to open before the time and date for Tender Opening, as specified in the Invitation to Tender.
- 14.5. If the outer envelope is not sealed and marked as above, the Employer will assume no

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responsibility for the misplacement or premature opening of the Tender. A Tender opened prematurely for this cause will be rejected by the Employer and returned to the Tenderer.

- 14.6. Alternative proposals, if any, prepared by the Tenderer shall be submitted in a separate inner envelope and marked "Alternative Proposals".

15. Deadline for submission of Tenders

- 15.1. Tenders must be received by the Employer by the time and at the place specified in the Invitation to Tender/Advertisement.
- 15.2. The Employer may, at his discretion, extend the deadline for the submission of Tenders through the issue of an Addendum in accordance with Clause 8 in which case all rights and obligations of the Employer and the Tenderers previously subject to the deadline shall thereafter be subject to the new deadline as extended.
- 15.3. Proof of posting will not be accepted as proof of delivery.
- 15.4. Tenderers are responsible for ensuring that their Tender and all accompanying documents reach the addressee in time.
- 15.5. The Employer does not guarantee to help over this matter and in particular cannot ensure that the documents are not opened or delayed by customs authorities.

16. Late Tenders

- 16.1. Any Tender received by the Employer after the prescribed deadline for submission of Tenders will be returned unopened to the Tenderer.
- 16.2. No liability can be accepted for late delivery of Tenders. Late Tenders will be rejected and will not be evaluated.

17. Modification and withdrawal of Tenders

- 17.1. The Tenderer may modify or withdraw his Tender after Tender submission, provided that written notice of the modification or withdrawal is received by the Employer prior to the prescribed deadline for submission of Tenders.
- 17.2. The Tenderer's modifications or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions for the submission of Tenders with the envelopes additionally marked "MODIFICATION" or "WITHDRAWAL" as appropriate.

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- 17.3. A withdrawal notice may also be sent by telefax, or email but followed by a signed confirmation copy, postmarked not later than the deadline, for submission of Tenders.
- 17.4. No Tender may be modified subsequent to the deadline for submission of Tenders.
- 17.5. No Tender may be withdrawn in the interval between the deadline for submission of Tenders and the expiration of the period of Tender validity specified.
- 17.6. Withdrawal of a Tender during this interval may result in the forfeiture of the Tender Security.

18. Tender opening and evaluation.

- 18.1. The Tenderer will submit The Tender Documents in two envelopes categorised as follows:
 - 18.1.1. Technical Tender.
 - 18.1.2. Financial Tender.
- 18.2. The Tenderer will seal and submit the Technical Tender and the Financial Tender as outlined in Clause 14.
- 18.3. Technical Tender
 - 18.3.1. The Technical Bid should include all Documents which illustrate the Tenderer's Technical Capacity to carry out the works.
 - 18.3.2. The Tenderer is advised to include any documentation that demonstrates the Tenderer's Ability and Capacity to carry out the works within the Technical Tender.
 - 18.3.3. The minimum standard required has been clearly spelt out in the Tender Documents. The Tenderer is strongly advised to submit all requested documentation in the required format.
- 18.4. Financial Tender
 - 18.4.1. The Financial Bid Comprises of the Priced Bills of Quantities and the Letter of Tender.

19. Opening of Tenders

- 19.1. The Employer will open the Tender Documents in public and in the presence of Tenderers' representatives who choose to attend on ***date specified in the Advertisement*** at the following address:

The Co-operative University of Kenya

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P.O. Box 24814 – 00502

KAREN NAIROBI

- 19.2. The Tenderer's representatives who are present shall sign an attendance register.
- 19.3. Tenders including any alternative proposals for which an acceptable notice of withdrawal has been submitted pursuant to Clause 17 shall not be opened but returned to the Tenderer.
- 19.4. The Tender Documents shall be opened one at a time in random order, and the following read out and recorded:
 - 19.4.1. The name of the Bidder;
 - 19.4.2. Whether there is a modification or substitution;
 - 19.4.3. The Tender Price;
 - 19.4.4. Whether the Tenderer has submitted a Valid Tender Security.
 - 19.4.5. Any other details as the Employer may consider appropriate
- 19.5. No Tender shall be rejected at the Tender opening except for late bids, in accordance with Clause 16.
- 19.6. Only Tenders read out and recorded at Tender Opening, shall be considered for evaluation.
- 19.7. The Employer shall prepare, for his own records, minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 19.2.

20. Technical Bid Evaluation - Stage I

- 20.1. The Mandatory Requirements have been clearly set out in the Tender Documents, any tenderer who fails to meet the Mandatory Requirements will be disqualified and will not be evaluated any further.
- 20.2. In Stage I, the tenders will be assessed against the technical criteria.
- 20.3. The Tenderers must attain an overall passing score **Fifty (50) Marks**
- 20.4. Tenders which fail to obtain a passing score shall be considered technically non responsive and therefore shall not be considered in the Financial Tender Evaluation.
- 20.5. All Tenderers who attain Fifty (50) Marks in the technical tender will proceed to Stage II.

21. Financial Tender Evaluation - Stage II

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- 21.1. Only Financial Tenders of the Tenderers who have passed Stage I, will be assessed.
- 21.2. A maximum financial score of Thirty (30) Marks will be allocated to the tender that offers the lowest price. The financial score for each tender will be calculated by using the following formula:
 - 21.2.1. Financial Score = $30 \times$ lowest price among those conforming tenders/tender price.

22. Combined Technical and Financial Score - Stage III

- 22.1. In Stage III, based on the Technical and Financial assessments in Stages I and II, a combined score for a tender will be calculated as follows:
- 22.2. Tenders will be ranked according to their combined technical and financial scores using the weights (T = the weight given to the Technical Bid; P = the weight given to the Price Bid; T + P = 1).
T = 70% (0.7) and P = 30% (0.3)
- 22.3. The Tenderer achieving the highest combined technical and financial score will be invited for negotiations.
- 22.4. The scores for each evaluation element shall be expressed in decimal figures, and in order to estimate scores, decimals shall be rounded as follows: from zero to four tenths, the score shall be rounded down to the previous whole number (lower) and from five to nine tenths, it shall be rounded up to the next whole number (higher).

23. Ties and Rounding

- 23.1. Ties between Technical Proposals:
 - 23.1.1. Whenever there may be a tie between two or more Technical Bids, no run-off shall be made and the scores obtained by each Proposal shall remain.
- 23.2. Ties in Total Scores:
 - 23.2.1. Should there be a tie between the total scores obtained by two or more Tenderers, the tie will be broken as follows:
 - 23.2.1.1. Of those who are tied, the Tenderer to have submitted the lowest Price Bid Price in their Price Bid shall be first.
 - 23.2.1.2. If there is still a tie, the award will go to the Tenderer with the highest score during the technical evaluation.

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23.2.1.3. Should the tie persist, it shall be broken by means of a random-selection device e.g the tossing of a Coin.

24. Confidentiality

24.1. After the public opening of Tenders, information relating to the examination, clarification, evaluation and comparison of Tenders, and recommendations concerning the award of Contract, shall not be disclosed to Tenderers or other persons not officially concerned with such process until the award of contract is announced.

25. Clarification of Tenders

25.1. The Employer may request for clarification from one or all the Tenderers' as the case may be, the request for clarification shall be in writing and the response shall be in writing or by telex or telefax confirmed immediately in writing, but no change in the price or substance of the Tender shall be sought, offered or permitted, except as required to confirm the correction of arithmetical errors discovered by the Employer during the evaluation of the Tenders in accordance with Clause.

26. Determination of Responsiveness

- 26.1. Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender is substantially responsive to the requirements of the Tender Documents.
- 26.2. For the purpose of this Clause, a substantially responsive Tender is one which conforms to all the terms, conditions and specifications of the Tender Documents without material deviation or reservation.
- 26.3. A material deviation or reservation is one which affects in any substantial way the price, scope, quality, completion, timing, administration or performance of the works to be undertaken by the Tenderer under the Contract, or which limits in any substantial way, inconsistent with the Tender Documents, the Employer's rights or the Tenderer's obligations under the Contract or Contracts, and where the rectification of such deviation or reservation would affect unfairly the competitive position of other Tenderers who have presented substantially responsive Tenders at reasonable price.
- 26.4. A Tender determined to be substantially non-responsive will be rejected by the Employer and may not subsequently be made responsive by the Tenderer by correction of the non- conformity.

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INSTRUCTIONS TO TENDERERS

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27. Correction of Errors

- 27.1. Tenders determined to be substantially responsive will be checked by the Employer for any arithmetical errors in computation and summation.
- 27.2. Errors will be corrected by the Employer as follows:
 - 27.2.1. Where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
 - 27.2.2. Where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit rate and the quantity, the unit price as quoted will normally govern unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit rate, in which event, the total amount as quoted will govern and the unit rate will be corrected.
- 27.3. If it is found on the examination of a Tender that there are arithmetical errors, then the difference between the Tender and the corrected total shall be applied as a percentage adjustment of addition or omission on all the builders rates so that the original Tender amount remains unaltered. When calculating the percentage adjustment, the total cost of the Preliminaries, Provisional and P. C. sums, Contingencies and any other items of a similar nature shall be excluded.
- 27.4. If the Tenderer does not accept the corrected amount of Tender, his Tender will be rejected and the Tender Security will be forfeited.

28. Award of the Contract

- 28.1. The Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender Documents and has offered the highest combined Evaluated Score pursuant to Clause 22, provided further that the Tenderer has the capability and resources effectively for the execution of the contract works.
- 28.2. The Employer, at any stage of the bid evaluation, having credible reasons for or prima facie evidence of any defect in supplier's or contractor's capacity to execute the works, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not.

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28.3. Provided that such qualification shall only be laid down after recording reasons thereof in writing. They shall form part of the records of that bid evaluation report.

29. Employers right to accept any Tender and to reject any or all Tenders

29.1. Notwithstanding Clause 28, the Employer reserves the right to accept or reject any Tender, and to annul the Tendering process and reject all Tenders, at any time prior to award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

29.2. In the event of cancellation of the Tender procedure, Tenderers will be notified of the cancellation by the Employer. If the Tender procedure is cancelled before any Tender has been opened, the sealed envelopes will be returned, unopened, to the Tenderers.

29.3. Cancellation may occur where:

29.3.1. The Tender procedure has been unsuccessful, namely where no qualitatively or financially worthwhile Tender has been received or there has been no response at all;

29.3.2. The economic or technical parameters of the project have been fundamentally altered; exceptional circumstances or force majeure render normal performance of the project impossible;

29.3.3. All technically compliant Tenders exceed the financial resources available;

29.3.4. There have been irregularities in the procedure, in particular where these have prevented fair competition.

29.4. In no circumstances will the Employer be liable for damages, whatever their nature (in particular damages for loss of profits) or relationship to the cancellation of a Tender, even if the Employer has been advised of the possibility of damages. The publication of a procurement notice does not commit the Employer to implement the programme or project announced.

30. Notification of Award

30.1. Prior to the expiration of the Tender Validity Period prescribed by the Employer, the Employer will notify the successful Tenderer via a Letter of Intent by telefax, email or in writing that his Tender has been accepted.

30.2. The Employer will further request the Tenderer to send to within Ten (10) Days of the date of

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INSTRUCTIONS TO TENDERERS

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receipt of such Letter of Intent, a representative or representatives with proper powers of attorney for the purpose of receiving a Letter of Acceptance and executing the Contract Agreement in the form set out in the Tender Documents with such alterations or additions as may be required to adapt such agreements to the circumstances of the successful Tender.

30.3. The Letter of Acceptance shall name the sum which the Employer will pay to the Contractor in consideration of the execution, completion and correction of defects of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called "the Contract Price").

30.4. After receipt of the Performance Security from the successfully Tenderer, The Employer will notify the unsuccessful Tenderers that their Tenders were not successful and promptly release their Tender securities.

31. Signing of Agreement

31.1. The successful Tenderer shall sign the Contract Agreement within Twenty Eighty (28) Days of receipt of the Letter of Acceptance.

32. Performance Security

32.1. Within Fourteen (14) Days of receipt of the Letter of Acceptance, the successful Tenderer shall be required to lodge with The Employer a performance security equivalent to Ten Percent (10%) of the Contract Price in exchange of the Tender Security.

32.2. The form of Performance Security provided in the Tender Documents may be used, or some other form acceptable to the Employer.

32.3. Failure of the successful Tenderer to lodge the required Performance Security shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security.

33. Insurance

33.1. For the purpose of other insurances that will be procured by the successful Tenderer after award of the Contract such as Contractor's All Risk Insurance, it should be noted that these insurances shall be procured from an Insurance Company approved by the Employer.

34. Ethics

34.1. Any attempt by a tenderer to obtain confidential information, enter into unlawful agreements with

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competitors or influence the committee during the process of examining, clarifying, evaluating and comparing tenders will lead to the rejection of their tender and may result in administrative penalties.

- 34.2. When putting forward a tender, the tenderer must declare that there is no conflict of interest, and that they have no particular link with any of the parties involved in the project.

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INSTRUCTIONS TO TENDERERS

Proposed Completion of Lecture Theatre III Annex (Phase I)

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LITIGATION HISTORY

Tenders should provide information on any history of litigation and/or arbitration resulting from contracts executed in the last Fifteen (15) Years or currently in execution. Full disclosure is mandatory and the Employer will counter check.

Section No. 1

LITIGATION HISTROY

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ARBITRATION				
YEAR	NAME OF PROJECT	EMPLOYER'S DETAILS (NAME AND ADDRESS)	BRIEF DESCRIPTION OF DISPUTE	ARBITRATOR'S AWARD

Section No. 1

LITIGATION HISTORY

Proposed Completion of Lecture Theatre III Annex (Phase I)

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COURT CASES				
YEAR	NAME OF PROJECT	EMPLOYER'S DETAILS (NAME AND ADDRESS)	BRIEF DESCRIPTION OF LITIGATION	JUDGE'S DECISION

Section No. 1

LITIGATION HISTORY

Proposed Completion of Lecture Theatre III Annex (Phase I)

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FINANCIAL RESOURCES AND WORKS IN PROGRESS

SOURCES OF FINANCE

The Tenderer must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real estate, lines of credit, and other financial means, other than actual contractual advance payments to meet: A construction cash flow of Kenya Shilling Ten Million (KShs. 10,000,000.00), specifically for this project apart from the Tenderer's commitments for other contracts.

SOURCES OF FINANCE		
NO.	SOURCE	AMOUNT
1.0		
2.0		
3.0		
4.0		
5.0		

Section No. 1

FINANCIAL RESOURCES

Proposed Completion of Lecture Theatre III Annex (Phase I)

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WORKS IN PROGRESS

The Tenderer must fill in this form, providing information on their current commitments on all contracts that have been awarded, or for which letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion has yet to be issued.

WORKS IN PROGRESS					
NO.	NAME OF PROJECT	EMPLOYER	EMPLOYER'S CONTACTS	VALUE OF OUTSTANDING WORKS	AVERAGE MONTHLY INVOICES
1.0					
2.0					
3.0					
4.0					
5.0					

Section No. 1

FINANCIAL RESOURCES

Proposed Completion of Lecture Theatre III Annex (Phase I)

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PROPOSED LECTURE THEATRE III ANNEX (PHASE I) TENDER NO. CUK/013/CLT/2023-2024 FOR THE CO OPERATIVE UNIVERSITY OF KENYA

LETTER OF TENDER

We (Name of Contractor) _____
of (Postal Address) _____
have examined the Agreement and Conditions of Contract Builders Work, Specification, Drawings, Bill of Quantities, the other Schedules, the attached Appendix and Addenda No.s (if any) _____
for the execution of the **PROPOSED LECTURE THEATRE III ANNEX (PHASE I) TENDER NO. CUK/013/CLT/2023-2024 FOR THE CO OPERATIVE UNIVERSITY OF KENYA.**

We offer to execute and complete the Works and remedy any defects therein in conformity with this Tender which includes all these documents, for the sum of (In words) **Kenya Shillings** _____

(In figures) **KShs.** _____ including 16% VAT or such other sum as may be determined in accordance with the Conditions of Contract.

Further we, the undersigned, agree to supply and complete the whole of the **PROPOSED LECTURE THEATRE III ANNEX (PHASE I) TENDER NO. CUK/013/CLT/2023-2024 FOR THE CO OPERATIVE UNIVERSITY OF KENYA** within _____ Weeks. (Contract Period)

We agree that our tender shall remain valid for **Ninety (90) Days** from the final date for submission of tenders stipulated in the letter of invitation to tender and agree not to withdraw our tender within that period.

We acknowledge and accept that the Employer reserves the right to extend the tender validity period for a period not more than thirty (30) days. The tender shall remain binding upon us and may be accepted at any time before that date.

We acknowledge that the Appendix forms part of this Letter of Tender.

If this offer is accepted, we will provide the specified Performance Security, commence the Works as soon as is reasonably practicable after the Commencement Date, and complete the Works in accordance with the above named documents within the Time for Completion.

Unless and until a formal Agreement is prepared and executed, this Letter of Tender, together with your

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LETTER OF TENDER

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written acceptance thereof, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any tender you may receive.

Signature _____ in the Capacity of _____

duly authorized to sign tenders for and on behalf of

CONTRACTOR _____

ADDRESS _____

DATE _____ day of _____ 2024

SIGNATURE & STAMP/SEAL _____

WITNESSED BY _____

ADDRESS _____

DATE _____ day of _____ 2024

SIGNATURE _____

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LETTER OF TENDER

Proposed Completion of Lecture Theatre III Annex (Phase I)

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PROPOSED LECTURE THEATRE III ANNEX (PHASE I) TENDER NO. CUK/013/CLT/2023-2024 FOR THE CO OPERATIVE UNIVERSITY OF KENYA

LETTER OF ACCEPTANCE

ISSUED BY: -

The Co operative University of Kenya
P. O. Box 24814 - 00502
KAREN NAIROBI

PREPARED BY: -

Paramount Project Consultants Ltd
P. O. Box 29152 - 00100
NAIROBI

This agreement made the _____ day of _____ 2024 between _____ of (Postal Address) _____ (herein after called "The Employer) of the one part, and (Name of Contractor) _____ of (Postal Address) _____ (herein after called "The Contractor") of the other part

Whereas the Employer desires that the Works known as **PROPOSED LECTURE THEATRE III ANNEX (PHASE I) TENDER NO. CUK/013/CLT/2023-2024 FOR THE CO OPERATIVE UNIVERSITY OF KENYA** should be executed by the Contractor, and has accepted a Tender by the Contractor for the execution and Completion of these works and remedying of any defects therein,

The Employer and Contractor agree as follows:

1. In this Agreement Words and expressions shall have the same meanings as are respectively assigned to them is the Agreement Conditions of Contract for Building Works hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement:
 - 2.1. Letter of Tender Dated _____
 - 2.2. Letter of Acceptance Dated _____
 - 2.3. Addenda No. (If any) _____
 - 2.4. Conditions of Contract.
 - 2.5. The Specifications.
 - 2.6. Drawings.
 - 2.7. Bills of Quantities.

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LETTER OF ACCEPTANCE

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2.8. Performance Security.

2.9. Contractors All Risk Insurance.

2.10. Program of Works.

3. In Consideration of the Payments to be made by the Employer to the Contractor as herein mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein, in conformity with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works and remedying any defects therein, The Contract Price at times and in the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be executed the day and year first before written in accordance with their respective laws.

EMPLOYER _____

ADDRESS _____

DATE _____ day of _____ 2024

SIGNATURE _____

WITNESSED BY _____

ADDRESS _____

DATE _____ day of _____ 2024

SIGNATURE _____

CONTRACTOR _____

ADDRESS _____

DATE _____ day of _____ 2024

SIGNATURE _____

WITNESSED BY _____

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LETTER OF ACCEPTANCE

Proposed Completion of Lecture Theatre III Annex (Phase I)

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ADDRESS _____

DATE _____

day of _____

2024

SIGNATURE _____

Section No. 1

LETTER OF ACCEPTANCE

Proposed Completion of Lecture Theatre III Annex (Phase I)

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TENDER SECURITY FORM

FORM OF TENDER SECURITY

WHEREAS _____ (hereinafter called “the Tenderer”) of _____ (Postal Address) has submitted his tender dated _____ for the **construction and completion of Proposed Lecture Theatre III Annex (Phase II) Tender No. CUK/014/LTA/2021 -2024 for the Co operative University of Kenya together with all the associated Services and External Works.**

KNOW ALL PEOPLE by these presents that WE _____ of _____ having our registered office at _____ (hereinafter called “the Bank/the Insurance Company”) are bound unto Messrs. Co operative University of Kenya of P. O. Box 24814 0502 Karen Nairobi (herein after called “the Employer”) in the sum of Kshs -----for which payment well and truly to be made to the said Employer, the Bank/the Insurance Company binds itself, its successors and assigns by these presents sealed with the Common Seal of the said Bank this _____ Day of _____ 2024

THE CONDITIONS of this obligation are:

1. If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers or
2. If the tenderer, having been notified of the acceptance of his tender by the Employer during the period of tender validity:
 - 2.1. Fails or refuses to execute the form of Agreement in accordance with the Instructions to Tenderers, if required: or
 - 2.2. Fails or refuses to furnish the Performance Security, in accordance with the Instructions to Tenderers;

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

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TENDER SECURITY FORM

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This guarantee will remain in force up to and including Thirty (30) Days after the expiry of the tender validity period, and any demand in respect thereof should reach the Bank not later than the said date.

(Date)

(Signature of the Bank/the Insurance Company)

(Witness)

(Seal)

Section No. 1

TENDER SECURITY FORM

Proposed Completion of Lecture Theatre III Annex (Phase I)

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PERFORMANCE SECURITY FORM

(Brief Description of the Works) ***The works under this contract comprise the construction and completion of PROPOSED LECTURE THEATRE III ANNEX (PHASE I) TENDER NO. CUK/013/CLT/2023-2024 FOR THE CO OPERATIVE UNIVERSITY OF KENYA together with all the associated Services and External Works.***

Name of Beneficiary _____
_____ of (Postal Address) _____
(together with successors and assigns, all as defined in the Contract as the Employer.)

We have been informed that (Name of Contractor)
_____ of (Postal Address) _____
(herein after called the "Principal") is your contractor under such Contract, which requires him to obtain a performance security.

At the request of the Principal We (Name of Bank/Insurance Company)

of (Postal Address) _____
hereby irrevocably undertake to pay you the Beneficiary/Employer, any sum or sums not exceeding in total the amount of (In words Kenya Shillings)

(In figures KShs. _____ (10% of Contract Price " Guaranteed amount") upon receipt by us of your first written demand without cavil or argument stating:

1. That the Principal is in breach of his obligation(s) under the Contract,
2. and the respect in which the Principal is in breach.

This guarantee shall remain valid for 60 days after the expiry of the Defects Notification Period. (Six (6) Calendar Months after the date of Practical Completion)

We have been informed that the Beneficiary may require the Principal to extend this guarantee if Certificate of making good defects under the Contract has not been issued by the date Twenty Eight (28) Days prior to such expiry date. We undertake to pay you such guaranteed amount upon receipt by us within such period of Twenty Eight (28) Days, of your demand in writing and your written statement that the Certificate of making good defects has not been issued, for reasons attributable to the Principal and that this guarantee has not been extended.

This guarantee Bond shall be governed by the laws of the Republic of Kenya.

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PERFORMANCE SECURITY FORM

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Signature(s) for and on behalf of the Guarantor : _____

Date: _____

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PERFORMANCE SECURITY FORM

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CURRICULUM VITAE FORMAT

CURRICULUM VITAE

Proposed Position:

Name of Firm:

Name of Staff:

Nationality:

Profession:

Date of Birth:

Years with Firm/Entity:

Membership of Professional Societies:

Detailed Tasks Assigned:

List tasks the Employee will carry out; match to the objectives of the project.

Key Qualifications:

Give an outline for staff member's experience and training most relevant to tasks on assignment.

Describe degree of responsibility held by staff member on relevant previous assignments and give dates and locations. Use about 1/2 to 3/4 page.

Education:

Summarize college/university and other specialized education of staff member, giving names of schools dates attended, and degrees obtained in the following order:

- o Tertiary Education, Discipline, University/College, Country, Year,
- o Secondary School Name Year
- o Primary School Name year

Employment Record:

Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, names of employing organizations, titles of positions held, and locations of assignments.

For experiences in the last 10 years, also give types of activities performed and client references

Section No. 1

PROFESSIONAL STAFF RESUME

Proposed Completion of Lecture Theatre III Annex (Phase I)

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where appropriate. Use about 2 pages. If someone has been employed at one organization but has moved up in ranks, please list from the earliest date of employment and the latest position. Note that previous positions held at the organization included other positions.

Languages:

For each language indicate proficiency: excellent, good, fair or poor in speaking, reading and writing. i.e. English - excellent speaking, reading, and writing; Kiswahili - good speaking and reading, poor writing, etc...)

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describes me, my qualifications and my experience.

Signature of Staff Member

Date

Signature of authorized official from the firm

Date

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PROFESSIONAL STAFF RESUME

Proposed Completion of Lecture Theatre III Annex (Phase I)
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Item No			Amount Kshs
	<p><u>SCHEDULE OF DRAWINGS</u></p> <p><u>ARCHITECTURAL DRAWINGS</u></p>		
	No.	Drawing Title	Drawing No.
	.01	<p>Plans</p> <ul style="list-style-type: none"> • Ground Floor • Typical Floors (1ST - 3RD) • Roof Plan 	Drawing No. 1
	.02	<p>Elevations Sections</p> <ul style="list-style-type: none"> • Elevation One • Elevation Two • Elevation Three • Elevation Four • Section S1-S1 	Drawing No. 2
	<p>Carried to Collection</p>		KShs
	<p><i>Section No. 1</i> <i>Bill No. 13</i> SCHEDULE OF DRAWINGS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>		

Item No			Amount Kshs
	<u>STRUCTURAL DRAWINGS</u>		
	No.	Drawing Title	Drawing No.
	.01	Foundation Layout, Ground Floor Layout, Strip Footing, Ground Floor Ramp and Stairs R. C Detail	.01
	.02	Bases and Column R. C Details	.02
	.03	Typical (1ST, 2ND & 3RD) Floor EPS Slab Layout and R. C Details, Beams & Ramp R. C Details	.03
	.04	Roof Layout, Trusses and Ramp	.04
	Carried to Collection		KShs
	Section No. 1 Bill No. 13 SCHEDULE OF DRAWINGS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd		

<p>Section No. 1</p> <p>Bill No. 13</p> <p>SCHEDULE OF DRAWINGS</p> <p><u>COLLECTION</u></p>		
	<i>Page No</i>	
Total Brought Forward from Page No.	1/39	
	1/40	
Carried Forward to Summary of Section No. 1	KShs	
<p>Section No. 1</p> <p>Bill No. 13</p> <p>SCHEDULE OF DRAWINGS</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>		



SECTION NO. 2: EVALUATION CRITERIA

Section No. 2

SECTION COVER PAGE

Proposed Completion of Lecture Theatre III Annex (Phase I)

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SECTION NO. 2**TENDER EVALUATION CRITERIA****MANDATORY REQUIREMENTS**

ITEM NO.	REQUIREMENT
1.	Valid Tender Security amounting to Kenya Shillings One Million Five Hundred Thousand (KShs. 1,500,000.00) , from a Bank regulated by the Central Bank of Kenya or a Insurance Company Listed in the PPRA approved Tender Security Providers list.
2.	Certified copy of Certificate of Incorporation/Registration.
3.	Certified copy of certificate of Registration with the National Construction Authority (NCA) Minimum category NCA 5 (Contractors Buildings).
4.	Certified Copy Valid Tax Compliance Certificate or Acknowledgement Receipt of application for Tax Compliance.
5.	A Copy of CR12 search indicating list of Directors.
6.	Power of Attorney.
7.	Declaration of no Conflict of Interest.
8.	Three (3) Completed Project within the last Five (5) Years of KShs. 40,000,000.00 and above. (Supply Letter of Award/Acceptance or Appointment, Certificate of Practical Completion and Reference Letters from Client or Project Consultant) (Allow Client to confirm).
9.	Availability of Liquid assets and Lines of Credit to meet a Cash flow requirement of Kenya Shillings Ten Million (KShs. 10,000,000.00) .
10.	Litigation history (provide current Sworn Affidavit) (<i>full disclosure for the last 15 years allow client to confirm</i>)
11.	A mandatory site visit shall be held on Tuesday 12 March 2024 at 10:00 AM on Site. A Certificate of Attendance shall be issued to all the Tenderers in attendance. The Certificate of Attendance must be submitted with the Tender document. Failure to attend the Mandatory Site Visit will result in automatic disqualification.

IMPORTANT NOTE

- The Tenderer is advised that failure to meet any mandatory requirement will lead to automatic disqualification of the Tenderer. Any Tenderer failing to meet any mandatory requirement will be deemed to be a non responsive tender and will **Not be evaluated any further irrespective of the Tenderer's Technical and Financial Proposal.**

Section No. 2**MANDATORY REQUIREMENTS**

Proposed Completion of Lecture Theatre III Annex (Phase I)

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SECTION NO. 2

TENDER EVALUATION CRITERIA

PROFESSIONAL STAFF AND KEY PERSONNEL

1.0	PROFESSIONAL STAFF AND KEY PERSONNEL		SUBMISSION FORM
	<i>The site staff shall possess minimum qualifications set here below and must be fluent in English, both written and spoken. There must also be a duly signed letter of commitment from the Employer and the personnel confirming and committing their availability for the assignment. Once confirmed, no substitutions will be effected without the Employer's approval</i>		
1.1	Site Agent Minimum number of years worked Six (6)	1 No.	MC/PER.1.1
1.2	Deputy Site Agent Minimum number of years Four (4)	2 No.	MC/PER.1.2
	<i>Important note:</i> Possession of a Relevant University Degree or a Relevant Diploma is an added advantage.		

Section No. 2

PROFESSIONAL STAFF AND KEY PERSONNEL

Proposed Completion of Lecture Theatre III Annex (Phase I)

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SECTION NO. 2**TENDER EVALUATION CRITERIA****PAST EXPERIENCE AND ON-GOING PROJECTS**

3.00	PAST EXPERIENCE AND ON-GOING PROJECTS		SUBMISSION FORM
3.1	<p>General Construction Experience</p> <p>Number of years active in the execution of Construction Contracts in the role of Contractor, Sub-Contractor, or Management Contractor. (Minimum requirement is at least the last 5 years prior to the application submission deadline and with activity in at least nine (9) Months in each year)</p>	5 Years	MC/EXP.3.1
	<p>Specific Construction Experience</p> <p>Participation as Contractor within the last Five (5) Years, each with a value of at least Kenya Shillings Forty Million (KShs. 40,000,000.00) that have been successfully and substantially completed or are ongoing and that are similar to the proposed works. The similarity shall be based on the physical size, complexity, methods/technology or other characteristics as described elsewhere in the tender documents.</p>		
3.2	<p>Complete Projects (Attach evidence of Execution and Completion)</p> <ol style="list-style-type: none"> 1. Letter of Award. 2. Certificate of Practical Completion 3. Certificate of Making Good Defects 4. Letters of Recommendation 5. Clear Colour Photographs 	3 No.	MC/EXP.3.2

Section No. 2**PAST EXPERIENCE AND ON-GOING PROJECTS**

Proposed Completion of Lecture Theatre III Annex (Phase I)

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3.00	PAST EXPERIENCE AND ON-GOING PROJECTS		SUBMISSION FORM
3.3	On-going Projects (Attach evidence of Award and Progress) <ol style="list-style-type: none"> 1. Letter of Award 2. Letters of Recommendations 3. Clear Colour Photographs 	3 No.	MX/EXP.3.3
	<i>The Employer may randomly sample any disclosed relevant projects to visit and inspect the site to confirm and award marks as appropriate. (However Photographs and Communication with a relevant Person (s) involved in the execution of the project may also suffice to confirm and award marks).</i>		

Section No. 2

PAST EXPERIENCE AND ON-GOING PROJECTS

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SECTION NO. 2

TENDER EVALUATION CRITERIA

CONSTRUCTION PLANT, EQUIPMENT, TOOLS AND VEHICLES

4.00	CONSTRUCTION PLANT, EQUIPMENT, TOOLS AND VEHICLES	SUBMISSION FORM
4.1	Concrete Equipment:- 1. Open Drum With Hopper. 2. Concrete Pump. 3. Poker Vibrator. 4. Power Float.	MC/PLANT.4.1
4.2	Vertical Lifting Equipment:- 1. Static Tower Cranes. 2. Construction Hoists. 3. Mobile Crane. 4. Gantry Crane.	MC/PLANT.4.2
4.3	Construction Vehicles:- 1. Excavators. 2. Tipper Lorries/Pick Ups/Vans 3. Dumpers- Four wheel drive. 4. Crawler Tractors - With bull or angle dozer. 5. Water Bowser.	MS/PLANT.4.3

Section No. 2

CONSTRUCTION PLANT, EQUIPMENT, TOOLS AND VEHICLES

Proposed Completion of Lecture Theatre III Annex (Phase I)

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SECTION NO. 2

TENDER EVALUATION CRITERIA

FINANCIAL RESOURCES

5.00	FINANCIAL RESOURCES	SUBMISSION FORMS
5.1	Availability of Liquid assets and Cash Flow 1. Banks Statements (Last 6 Months) Certified by Bank. 2. Lines of Credit/Cash in Bank of KShs. 10,000,000.00.	Attach Certified Bank Statements for the Last Six (6) Months
5.2	Proof of Financial Stability 1. Current Ratio (1:1) Minimum 2. Positive Profitability (Last 3 Years)	Attach Audited Accounts for the Last Three (3) Years

Section No. 2

FINANCIAL RESOURCES

Proposed Completion of Lecture Theatre III Annex (Phase I)

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SECTION NO. 2

TENDER EVALUATION CRITERIA

PROJECT EXECUTION PLAN

6.00	PROJECT EXECUTION PLAN	SUBMISSION FORM
6.1	<p>The Tenderer should submit a Method Statement which outlines the Tenderers approach to managing the Construction Works. This document should include specific comments on the site establishment, logistics, and the process of managing the overall environment surrounding the property including the provision of human resources for the project.</p> <p>The Tenderers should note that the project will take place in an active University. The Tenderer should take measures and precautions that will ensure that the construction works cause the minimum disruption to the University users with a safe working and living environment maintained.</p> <p><i>(Please note that the Employer is not bound to the Method Statement submitted by the Tender, in the event that the Tenderer is awarded the Project, The Design Team in Consultation with the Employer will be free to approve, reject or amend the Method Statement.)</i></p>	<p>Tenderer to submit a written proposal (Not more than Five Pages)</p>
6.2	<p>The Tenderer should submit a high level programme of works indicating a tentative but realistic contract period.</p> <p><i>(Please note that the Employer is not bound to the Programme of Works submitted by the Tenderer, in the event that the Tenderer is awarded the Project, the Design Team in Consultation with the Employer will be free to approve, reject or amend the programme of works.)</i></p>	<p>Tenderer to Submit a program of works</p>

Section No. 2

PROJECT EXECUTION PLAN

Proposed Completion of Lecture Theatre III Annex (Phase I)

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6.00	PROJECT EXECUTION PLAN	SUBMISSION FORM
6.3	<p>The Tenderer should submit the Health, Safety and Environmental Policy currently practised by your company. The Tenderer is required in addition to the above to submit a specific Health, Safety and Environmental proposal for this Project taking into account the specific nature of the project.</p> <p><i>(Please note that the Employer is not bound to the Health, Safety and Environmental Policy submitted by the Tenderer, in the event that the Tenderer is awarded the Project, the Design Team in Consultation with the Employer will be free to approve, reject or amend the Health, Safety and Environmental Proposal)</i></p>	Tender to Submit Health, Safety and Environmental Policy (Not more than 5 Pages)

Section No. 2

PROJECT EXECUTION PLAN

Proposed Completion of Lecture Theatre III Annex (Phase I)

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SECTION NO. 2

TENDER EVALUATION CRITERIA

TENDER DOCUMENT PREPARATION

6.00	TENDER DOCUMENT PREPARATION
6.1	The Tenderers is required to thoroughly read the Tender Document with special emphasis on the Instructions to Tenderers. The Tenderer is required to submit the Tender in strict accordance with the instructions given and in the format provided.
6.2	The Letter of Tender should be signed by the Personal legally authorized to transact on behalf of the Tenderer.
6.3	The Tenderer should submit One Original Tender Document and One Copy.

Section No. 2

TENDER DOCUMENT PREPARATION AND SUBMISSION

Proposed Completion of Lecture Theatre III Annex (Phase I)

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Item No			Amount Kshs																								
	<p><u>SECTION NO. 2</u></p> <p><u>TENDER EVALUATION CRITERIA</u></p> <p><u>TECHNICAL EVALUATION SCORE SHEET</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">ITEM NO.</th> <th style="text-align: center;">REQUIREMENT</th> <th style="text-align: center;">MAXIMUM SCORE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Professional Staff and Key Personnel</td> <td style="text-align: center;">8 Marks</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Past Experience and On Going Projects</td> <td style="text-align: center;">26 Marks</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Construction Plant, Equipment, Tools and Vehicles</td> <td style="text-align: center;">12 Marks</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Financial Resources</td> <td style="text-align: center;">12 Marks</td> </tr> <tr> <td style="text-align: center;">5.</td> <td>Project Execution Plan</td> <td style="text-align: center;">6 Marks</td> </tr> <tr> <td style="text-align: center;">6.</td> <td>Tender Document Preparation</td> <td style="text-align: center;">6 Marks</td> </tr> <tr> <td></td> <td style="text-align: right;">Total</td> <td style="text-align: center;">70 Marks</td> </tr> </tbody> </table> <p><u>IMPORTANT NOTE</u></p> <p>1. The Tenderer is advised that it is mandatory for a Tenderer to score a minimum of Fifty (50) Marks out of a Possible Seventy (70) Marks. Any Tenderer failing to achieve this minimum score will be deemed to be a non responsive tender and will <u>Not be evaluated any further irrespective of the Tenderer's Financial Proposal.</u></p>		ITEM NO.	REQUIREMENT	MAXIMUM SCORE	1.	Professional Staff and Key Personnel	8 Marks	2.	Past Experience and On Going Projects	26 Marks	3.	Construction Plant, Equipment, Tools and Vehicles	12 Marks	4.	Financial Resources	12 Marks	5.	Project Execution Plan	6 Marks	6.	Tender Document Preparation	6 Marks		Total	70 Marks	
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SECTION NO. 3: PRELIMINARIES

Section No. 3

SECTION COVER PAGE

Proposed Completion of Lecture Theatre III Annex (Phase I)

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Item No		Amount Kshs
A	<p><u>SECTION NO. 3</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BILL NO. 2</u></p> <p><u>GENERAL MATTERS</u></p> <p><u>SUFFICIENCY OF TENDER</u></p> <p>The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices stated in the priced Bills of Quantities. Rates and prices quoted shall cover all his obligations under the contract and all matters and things necessary for the proper completion and maintenance of the works.</p>	
	Carried to Collection	KShs
	<p><i>Section No. 3</i></p> <p><i>Bill No. 2</i></p> <p><i>GENERAL MATTERS</i></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs																								
A	<p><u>DEFINITIONS AND ABBREVIATIONS</u></p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">ABBREVIATION</th> <th style="text-align: center;">MEANING</th> </tr> </thead> <tbody> <tr> <td>C.M</td> <td>Cubic Metre</td> </tr> <tr> <td>S.M</td> <td>Square Metre</td> </tr> <tr> <td>L.M</td> <td>Linear Metre</td> </tr> <tr> <td>mm</td> <td>Milimeter</td> </tr> <tr> <td>KG/KGS</td> <td>Kilogramme</td> </tr> <tr> <td>NO.</td> <td>Number</td> </tr> <tr> <td>Prs.</td> <td>Pairs</td> </tr> <tr> <td>B.S</td> <td>Shall mean the British Standard Specification Published by the British Standard Institution, 2 Park Street, London W.I., England.</td> </tr> <tr> <td>Ditto</td> <td>The whole of the preceding description except as qualified in the description in which it occurs. Where it occurs in descriptions of succeeding items, it shall mean the same as in the first description concerned. Where it occurs in brackets, it shall mean the whole of the preceding description which is contained within the appropriate brackets. Where it is underline it shall mean the whole of that part or the preceding description which is underlined.</td> </tr> <tr> <td>m/s</td> <td>measured separately</td> </tr> <tr> <td>a.b.d</td> <td>As before described</td> </tr> </tbody> </table>	ABBREVIATION	MEANING	C.M	Cubic Metre	S.M	Square Metre	L.M	Linear Metre	mm	Milimeter	KG/KGS	Kilogramme	NO.	Number	Prs.	Pairs	B.S	Shall mean the British Standard Specification Published by the British Standard Institution, 2 Park Street, London W.I., England.	Ditto	The whole of the preceding description except as qualified in the description in which it occurs. Where it occurs in descriptions of succeeding items, it shall mean the same as in the first description concerned. Where it occurs in brackets, it shall mean the whole of the preceding description which is contained within the appropriate brackets. Where it is underline it shall mean the whole of that part or the preceding description which is underlined.	m/s	measured separately	a.b.d	As before described	
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	<p>Section No. 3 Bill No. 2 GENERAL MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>																									

Item No		Amount Kshs
	<p><u>FORM OF NOTICE</u></p> <p>1. All notices, requests, claims, demands, instructions and other communications between the parties and other specialist and consultants appointed by the Employer to render professional services under this contract shall be in writing;</p> <p>2. Method of Notice.</p> <p>2.1. All notices shall be given</p> <p>2.1.1. by delivery in person</p> <p>2.1.2. by a nationally recognized next day courier service or</p> <p>2.1.3. by registered or certified mail,</p> <p>2.1.4. by facsimile,</p> <p>2.1.5. by electronic mail to the address of the party specified in this Tender or such other address as either party may specify in writing;</p> <p>3. Receipt of Notice.</p> <p>3.1. All notices shall be effective upon</p> <p>3.1.1. by delivery in person</p> <p>3.1.2. receipt by the party to which notice is given, or</p> <p>3.1.3. on the third (3rd) day following mailing, whichever occurs first;</p> <p>4. Change of Address.</p> <p>4.1. Any party to this Contract may notify the other party of any changes to the address or any of the other details specified in this clause; provided, however, that such notification shall only be effective on the date specified in such notice or five (5) Business Days after the notice is given, whichever is later;</p> <p>5. Refusal of Delivery.</p> <p>5.1. Rejection or other refusal to accept or the inability to deliver because of changed address of which no notice was given shall be deemed to be receipt of the notice as of the date of such rejection, refusal or inability to deliver;</p>	
	Carried to Collection	KShs
	<p>Section No. 3</p> <p>Bill No. 2</p> <p>GENERAL MATTERS</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
	<p>TERMS</p> <p><i>Selected, directed, approved', etc.</i></p>	
A	<p>Wherever the words, 'selected' or 'as directed', 'as required', or words of similar meanings are used in the Bills of Quantities, it is to be understood that the selections, directions or requirements of the Architect are intended. Similarly, the words, 'approved', 'satisfactory to' the Architect and the Architect's materials are ordered or the works to which the words refer are put in hand</p>	
B	<p>Contractor</p> <p>The term "Contractor" shall mean the person or persons, partnership, firm or company, whose tender for this work has been accepted and who has or have signed this Contract and shall include his or their heirs, executors, administrators assignees, successors and duly appointed representatives.</p>	
C	<p>Sub-Contractor</p> <p>The term "Sub-Contractor" shall be deemed to mean the person or persons, partnership, firm or company who has/have been engaged by the Contractor or appointed by the Employer to carry out any Sub-Contract works forming part of this Contract and shall include his or their heirs,</p>	
D	<p>BOND</p> <p>The Contractor shall find and submit on the Form of Tender an approved Insurance Company or bank who will be willing to be bound to the Client in an amount equal to Ten per cent (10%) of the Contract amount for the due performances of the Contract up to the date of completion as certified by the Architect. The Contractor shall furnish within seven days after the Contract Agreement is signed the Performance Bond to the approval of the Client.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p>Section No. 3 Bill No. 2 GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p><u>SECURITY OF WORKS</u></p> <p>The Contractor shall be entirely responsible for the security of all the works, stores, materials, plant, personnel, etc both his own and Sub-Contractor's and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public. Maximum precautions must be exercised to uphold security in the vicinity of the Works. All watching and lighting shall comply with the requirements of the Employer and the Local Authority By-Laws and Police regulations and the Contractor shall give all requisite notices to these authorities. The Contractor shall comply with all instructions of the Architect with regard to the upholding of security arrangements.</p>	
B	<p><u>EXISTING PROPERTY</u></p> <p><i>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the Architect</i></p>	
C	<p><u>TRESPASS, DAMAGE AND CARE OF WORKS</u></p> <p>The Contractor shall prevent any trespass on the adjoining property and he shall take all reasonable precautions during the progress of the Contract to prevent any damage to the adjoining property or public or private roadways and to prevent material, plant, rubbish, debris, etc collecting on the adjoining property or roadways. Should the Contractor wish to erect scaffolding on or to make use of adjoining property he shall obtain prior permission from the Architect and clear away at completion of his work or when directed and make good any damage to his satisfaction.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p><u>ADJACENT PROPERTY, SERVICES, PUBLIC AND PRIVATE ROADS</u></p> <p>The Contractor will be responsible for the protection of adjoining buildings, boundary walls, fences, services either overhead or underground and for the making good of or paying for all damage thereto, should such be caused in the course of building operations.</p> <p>The Contractor shall allow for making good all damage to the roads, kerbs, surface water channels e.t.c to the entire satisfaction of the Architect and shall be responsible for observing any By-Law or Authority regarding keeping the road free from mud, filth, etc arising out of the execution of the Works.</p> <p>The Contractor will be required throughout the execution of the Works to maintain and make good at his own expense any damage he may cause to the present public and private road surfaces and pavements arising from or consequent upon the execution of the works, to the satisfaction of the Local or other Authority and the Architect.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p><u>EXISTING SERVICES</u></p> <p>The Tenderer’s attention is drawn to the possibility of some existing utility cables/pipes on site. Before commencing any excavations/demolitions, the Contractor will be required to ascertain the location of such services and ascertain whether they are “live” or not. The Contractor shall be required to liaise with the necessary authorities with regard to the termination/re-routing of any service pipes/cables including paying for all related charges.</p> <p>Extreme care must be taken at all times to ensure that existing drainage and water supply pipes, electric cables, underground drains and other service lines are not damaged during excavation or other building operations and all necessary precautions must be taken to avoid such occurrence.</p> <p>Should such damage nevertheless occur, the Contractor shall immediately inform the Architect and then proceed expeditiously with the repairing of such damage at his own cost.</p> <p>The Contractor shall be held responsible for and shall indemnify the Employer against all losses and expenses incurred as a result of such damage and disruption of services.</p> <p>Where removal or disconnection of such service lines is required to be carried out under the Contract, the operations must be carried out in co-ordination with the relevant Local Service Authority so as to minimise any disruption of services to the surrounding buildings and to enable them not make any precautions necessary and to make any alternative arrangement for the temporary provision of the services affected.</p> <p>The Contractor will further be required to provide at his own cost any temporary service lines or connections for the duration of disruption caused by such disconnections or removal.</p>	
B	<p><u>VISIT SITE AND EXAMINE DRAWINGS</u></p> <p>The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>	
Carried to Collection		KShs
<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>		

Item No		Amount Kshs
A	<p><u>SITE MEETINGS</u></p> <p>Site Meetings will be held in the site offices at intervals as directed by the Architect and the Contractor will be required to attend and also summon the attendance of Sub-Contractors and Specialists. Adequate arrangements must be allowed for with regard to tables, chairs, etc which must be provided by the Contractor.</p>	
B	<p><u>SITE DIARY</u></p> <p>A site diary shall be provided by the Contractor in the form of a double foolscap size stiff covered ruled book which should be kept available at all times upon the site. Entries made in the site diary by the Architect or his duly appointed representative shall be deemed to be the Architect's instructions given in writing and the Contractor shall confirm the same to the Architect within Seven (7) clear working days. All persons entering the site or other working area on whatever business shall be instructed by the Contractor to record their visit in the site diary giving their name, address and reason for visiting the site.</p>	
C	<p><u>WATER FOR THE WORKS</u></p> <p>Unless otherwise stated in the Particular Preliminaries hereof, the following requirements shall apply:-The Contractor shall provide at his own risk and cost all necessary water required for the works. The Contractor shall make his own arrangements for connection to the nearest suitable water main and for metering the water used, or he may make a separate arrangement with the Employer for temporary connection to the existing mains and pay for all associated charges for connection and construction and consumption. He must also provide temporary storage tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the Architect. The Contractor shall pay all charges in connection therewith. No guarantee is given or implied that sufficient water will be available from the mains and the Contractor must make his own arrangements for augmenting this supply at his own cost if necessary. No claims for lack of water or water pressure will however be entertained. All water shall be fresh, clean, pure and free from earthy vegetable or organic matter and acid or alkaline substances in solution or suspension and shall be tested whenever required by the Architect.</p>	
Carried to Collection		KShs
<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>		

Item No		Amount Kshs
A	<p><u>ELECTRICITY SUPPLY FOR THE WORKS</u></p> <p>Unless otherwise stated in the Particular Preliminaries hereof, the following requirements shall apply: -The Contractor shall provide at his own risk and cost all necessary electric light and power required for use in the Works. No guarantee is given or implied that mains power will always be available and the Contractor shall make his own arrangements for providing temporary power.The Contractor may install his own generator on site with the approval of the K.P.L.C. if required.Alternatively, he may make a separate arrangement at his own risk with the Employer for temporary connection and supply of electricity for the works and pay all associated charges for connection and consumption.No claims due to lack of electricity or due to power fluctuations will be accepted.</p>	
B	<p><u>TELECOMMUNICATION FACILITIES</u></p> <p>The Contractor shall provide a telephone, a computer and e-mail facility from the commencement to completion of the works for the sole official use of the Employer, Consultants, Clerk of Works and Sub-Contractors.</p> <p>The Contractor shall apply and arrange for the installation of these facilities and pay all charges in connection with the installations, rental, removal and for usage by his own staff, his Sub-Contractors and all other parties mentioned above.</p>	
C	<p><u>PROVISIONAL SUMS</u></p> <p>The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (i) of the Standard Method of Measurement. That is a "Sum in the Bills of Quantities" provided for works or for costs which cannot be be entirely foreseen defined or detailed at the time the tenderer documents were prepared and issued.Such sums are net and no addition shall be made to them for profit</p>	
D	<p><u>ADJUSTMENT OF PROVISIONAL SUMS.</u></p> <p>In the Final Account, all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the Architect's order added to the Contract Sum. Such work shall be valued as described for Variation under Condition No. 30 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor or any articles for the work supplied by a Nominated Supplier, the value of such work or article shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p><u>PRIME COST (OR P.C.) SUMS.</u></p> <p>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement. That is a Sum provided in the Bills of Quantities for works or Services to be executed by a Nominated sub-contractor, a statutory authority or a public undertaking or for materials or goods to be obtained from a nominated supplier. Such a Sum will Shall be deemed to be exclusive of any profit required by the General/Main Contractor and a provision shall be made thereof</p> <p>Persons or firms nominated by the Architect to execute work or to provide and fix materials or goods as stated in Condition No. 31 of the Conditions of Contract are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p> <p>The words "Prime Cost" (or the initials "P.C") appearing in the contract documents shall mean net costs exclusive of any trade, cash or other discount whatsoever but inclusive of the costs of the packing, carriage and delivery. Such costs shall be the same due to the sub-contract or supplier after adjustments where applicable in respect of measurements of rates.</p>	
B	<p><u>ADJUSTMENT OF PRIME COST SUMS.</u></p> <p>In the final account all Prime Cost Sums shall be deducted and the amount properly expended upon the Architect's order in respect of each of them added to the Contract sum. In substantiation the contractor will require to produce to the Quantity Surveyor all quotations, invoices and receipted accounts as shall be necessary to show the details of the sums actually paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro rata to the amount paid. Items of "attendance and builders work" following P.C. Sums shall be adjusted pro rata to the physical extent of the work executed (not pro rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p><u>NOMINATED SUB-CONTRACTORS</u></p> <p>When any work is ordered by the ARCHITECT to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in Conditions of Contract and shall thereafter be responsible for such sub-contractors in every respect.</p> <p>Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	
B	<p><u>GENERAL ATTENDANCE</u></p> <p>The contractor shall accept responsibility for providing the following services for nominated sub-contractors.</p> <p>The following services are described as "allow for general attendance"</p> <ol style="list-style-type: none"> 1. Use for the purpose of the sub-contract works of any scaffolding belonging to or provided by the contractor while it remains so erected upon site. 2. Provision of water, lighting and security. 3. Use of sanitary accommodation, mess rooms and welfare facilities. 4. Provision of space of offices or stores or space for storage of plant and materials. 	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p>SPECIAL ATTENDANCE</p> <p>The following services are stated under a separate item and where described under the following headings shall mean:</p> <ol style="list-style-type: none"> 1. Taking delivery including the provision of unskilled labour necessary to attend upon the sub-contractors workmen for the purpose of unloading plants and materials when received upon the site and placing in position within the sub-contractor's storage space or store. 2. Hoisting including the provision of unskilled labour and the use of any contractors standing scaffolding and plant for the purpose of assisting the sub-contractors workmen in hoisting the sub-contractors plant and materials to the various levels but not placing in its final position. 3. Constructing scaffolding for the specific use of the Sub-Contractor. 4. Providing power including the provision of power during the course of the works and during the period of commissioning and training. <p>NOMINATED SUPPLIERS</p> <p>The contractor shall take delivery of all materials or goods supplied by the Nominated suppliers and shall sign a receipt as having received them in good order and condition. He shall off load, transport to site, unload, hoist, provide safe storage and thereafter be responsible for any loss or damage or replacement of any such lost or damaged articles at his own expense and shall return case if so required. Provision is made herein following each appropriate P.C sums for the costs of the foregoing services against items reading "take delivery of and fix only"</p> <p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Client reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum in the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
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Item No		Amount Kshs
A	<p><u>ATTENDANCE UPON OTHER TRADESMEN, ETC.</u></p> <p>The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such carting away arising debris and for making good after the work of such tradesmen or persons as may be ordered by the Architect and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	
B	<p><u>PROVISIONAL WORK</u></p> <p>All work described as "Provisional" in these Bills of Quantities is subject to re measurement in order to ascertain the actual quantity executed for which payment will be made.</p> <p>All "Provisional Works" and other "Works" liable to adjustment under this Contract shall be left uncovered for a reasonable time to allow all measurements needed for such adjustments to be taken by the Quantity Surveyor.</p> <p>Immediately the work is ready for measurement the Contractor shall give notice to the Quantity Surveyor.</p> <p>If the Contractor makes default in these respects, he shall, if the Quantity Surveyor so directs, uncover the work to enable measurements to be taken and afterwards reinstate at his own expense.</p>	
C	<p><u>ALTERATIONS TO BILLS, PRICING, ETC.</u></p> <p>Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored.</p> <p>The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p>	
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Item No		Amount Kshs
A	<p><u>BLASTING OPERATIONS</u></p> <p>Blasting will only be allowed with the express permission of the Architect in writing.</p> <p>All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being and any special regulations laid down by the Architect governing the use and storage of explosives.</p>	
B	<p><u>MATERIALS ARISING FROM EXCAVATIONS</u></p> <p>Materials of any kind obtained from the excavations shall be the property of the Employer. Unless the Architect directs otherwise, such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply, with written permission of the Architect. Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>	
C	<p><u>SITE LEVELS</u></p> <p>Before commencing work the Contractor must arrange for and agree with the Project Architect/Engineer and Quantity Surveyor the existing site levels and similarly establish and agree on a bench mark.</p>	
D	<p><u>SETTING OUT</u></p> <p>The contractor shall set out works in accordance with the dimensions and levels shown on the drawings and shall be responsible of the correctness of all dimensions and levels set out by him and he will be required to amend all errors arising from inaccurate setting out at his own cost and expenses. In the event of any error or discrepancy in the dimensions or levels marked on the drawings being discovered, such errors or discrepancies must be reported by the contractor to the architect for his immediate attention.No work shall be commenced by the contractor until he has received written instructions from the Architect to adjust such discrepancies which may be proved, upon receipt of such instructions and no claim for extra expenses or relief from the provisions of Clause 5 of the Conditions of the Contract, any discrepancy or error in the dimensions or levels shown on the drawings may be made thereafter.</p>	
Carried to Collection		KShs
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Item No		Amount Kshs
	<p><u>MATERIALS, TOOLS, PLANT AND SCAFFOLDING</u></p> <p>MATERIALS</p> <p>A The contractor shall be responsible for the provision and transportation of all materials required for the works except in so far as may be stated otherwise herein.</p> <p>All such materials shall comply with all regulations whether general or local in force throughout the period of the contract and shall be required as may be necessary to comply with any amendments in or additions to such regulations</p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated.</p> <p>Where materials are to be obtained from overseas or where any material is not readily/immediately available the appropriate order must be placed as soon as possible after the Contract is signed and all appropriate measures must be taken to secure timely delivery of such materials</p> <p>The Contractor shall also order materials to be obtained from local sources as early as necessary to ensure that they are on site as and when required for use in the works.</p> <p>The Bills of Quantities shall not be used for the purpose of ordering materials.</p>	
	Carried to Collection	KShs
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Item No		Amount Kshs
A	<p>SCAFFOLDING</p> <p>Where required, the Contractor shall erect and maintain an approved type of scaffolding and staging sufficiently strong and efficient for the due performance of the Works including Sub-Contractor's works, provide special scaffolding as required by the Sub-Contractors, alter and adapt all scaffolding as and when required during the works and remove on completion and make good.</p> <p>All scaffolding and staging over two metres in height together with access ladders, ties to walls and handrails, etc shall comply in all respects with the Factories (Building Operations and Work of Engineering Construction) Rules.</p> <p>All scaffolding and staging shall comply with all regulations whether general or local in force throughout the period of the Contract and shall be altered and adapted during the Contract as may be necessary to comply with any amendments in or additions to such regulations</p> <p>The Contractor shall in all cases give Notice and obtain the approval of the Architect before erection and give one full week's notice of intention to dismantle the scaffolding and staging to the Architect who shall not unreasonably withhold permission for the dismantling to proceed.</p> <p>No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p>	
B	<p>PLANT, MACHINERY, VEHICLE & TOOLS</p> <p>Allow for providing all plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein.</p> <p>The Contractor shall provide all necessary hoists, tackle, plant, vehicles, tools and appliances of every description for the due and satisfactory completion of the works and shall remove the same on completion.</p> <p>All such plant, tools and vehicles shall comply with all regulations whether general or local in force throughout the period of the Contract and shall be altered and adapted during the Contract as may be necessary to comply with any amendments in or additions to such regulations.</p>	
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Item No		Amount Kshs
A	<p>TOWER CRANE</p> <p>The Contractor will be required to provide an approved type of Tower Crane on site for the works.</p> <p>The Tenderer shall allow in his tender for this including its proper maintenance during construction and removal on completion.</p> <p>Allowance should further be made in the Tender for all Local Authority permissions and charges involved and any temporary structural support required by the Structural Engineer.</p>	
B	<p>SAMPLES</p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship required for the works that may be called for by the Architect for his approval or rejection.</p> <p>The Architect may reject any materials or workmanship which in his opinion is not up to the required standards and specifications.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the Architect.</p> <p>The Contractor shall allow in his Tender for the provision of all such samples except those in connection with Nominated Sub-Contract's work.</p>	
C	<p>STORAGE OF MATERIALS</p> <p>The Contractor shall provide at his own risk and cost where directed on or off the site weather-proof lockup sheds for the safe storage and custody of materials for the works.</p> <p>He shall remove such sheds and make good damaged or disturbed surfaces/works upon completion to the satisfaction of the Architect.</p> <p>The Contractor shall also provide a separate weather-proof lock-up store for the safe storage of materials supplied by the Employer.</p>	
Carried to Collection		KShs
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Item No		Amount Kshs																																				
A	<p>TESTING</p> <p>The Contractor shall allow for testing all installations required to be tested and provide everything necessary for this purpose and leave in perfect working order to the satisfaction of the Architect and Local Authority.</p> <p>Allow for all expenses in connection with testing of materials as specified hereunder including the supply and preparation of materials and their packing and conveyance to an approved Materials Testing Laboratory, Laboratory charges, etc.</p> <p>The following tests will be measured according to the number of tests actually called for by the Architect and carried out but unsuccessful tests will not be included in the measurement.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">DESCRIPTION</th> <th style="width: 10%;">NO.</th> <th style="width: 20%;">RATE (KShs.)</th> <th style="width: 30%;">TOTAL (KShs.)</th> </tr> </thead> <tbody> <tr> <td>Water Test (1 Litre)</td> <td style="text-align: center;">10</td> <td></td> <td></td> </tr> <tr> <td>Sand Test (0.1 Cubic Metre)</td> <td style="text-align: center;">20</td> <td></td> <td></td> </tr> <tr> <td>Aggregate Test (0.1 Cubic Metre)</td> <td style="text-align: center;">20</td> <td></td> <td></td> </tr> <tr> <td>Reinforcement Test mild steel rod or high tensile steel bar of various diameter from 6mm to 25mm (1 Linear Metre)</td> <td style="text-align: center;">20</td> <td></td> <td></td> </tr> <tr> <td>Concrete Test (150 x 150 x 150mm test cubes)</td> <td style="text-align: center;">300</td> <td></td> <td></td> </tr> <tr> <td>Natural Stone (blocks)(one test comprises ten blocks)</td> <td style="text-align: center;">5</td> <td></td> <td></td> </tr> <tr> <td>Concrete Blocks testing of various strengths in accordance with British Standard Specifications (one test comprises ten blocks)</td> <td style="text-align: center;">5</td> <td></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: right;">Total</td> <td></td> </tr> </tbody> </table> <p>Contractor to insert rate and extend and insert the total in amount column</p>	DESCRIPTION	NO.	RATE (KShs.)	TOTAL (KShs.)	Water Test (1 Litre)	10			Sand Test (0.1 Cubic Metre)	20			Aggregate Test (0.1 Cubic Metre)	20			Reinforcement Test mild steel rod or high tensile steel bar of various diameter from 6mm to 25mm (1 Linear Metre)	20			Concrete Test (150 x 150 x 150mm test cubes)	300			Natural Stone (blocks)(one test comprises ten blocks)	5			Concrete Blocks testing of various strengths in accordance with British Standard Specifications (one test comprises ten blocks)	5			Total				
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A	<p>The Architect may arrange for other testing of materials apart from the above required by the Specifications that the Architect may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the Architect.</p> <p>The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads and Public Works.</p> <p>The procedure for submitting samples of material for testing and the method of marking for identification shall be as laid down by the Architect.</p> <p>The Contractor shall allow in his tender for such tests except those in connection with nominated sub-contractors' work and he shall be responsible for all expenses incurred in completing such tests, including costs of labour, materials, equipment, transport and charges of the testing authority, etc.</p> <p>REJECTED WORKMANSHIP OR MATERIALS</p>	
B	<p>Any workmanship or materials not complying with the specific requirements or approved samples or which have been damaged, contaminated or have deteriorated, must be immediately removed from the site and replaced at the Contractor's expense, when required and so instructed by the Architect.</p> <p>PAYMENT OF MATERIALS ON SITE</p>	
C	<p>All materials for incorporation in the works must be suitably stored on site or in a approved bonded warehouse adequately insured against theft and damage for the duration of storage before payment of the same is included in the interim payment certificate unless specifically exempted by the Architect. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>	
Carried to Collection		KShs
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Item No		Amount Kshs
A	<p>CLIENT SUPPLIED MATERIALS.</p> <p>The Employer reserves the right to supply any local or imported materials required for this Contract, whether measured or allowed as a P.C. or Provisional Sum in the B.Q.</p> <p>In the event of the Client exercising this right, the Project Quantity Surveyor or the Services Engineer will adjust the Contract or Sub-Contract Sum accordingly and no claims from the Main Contractor or Sub-Contractors will be accepted in this regard.</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the Client at the time of taking delivery thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the Client at the current market prices including Custom Duty and V.A.T., at the Contractor's own cost and expense, to the satisfaction of the Architect.</p>	
	Carried to Collection	KShs
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Item No		Amount Kshs
A	<p><u>GOVERNMENT ACTS, LOCAL REGULATIONS AND BY-LAWS</u></p> <p>Allow for complying with all Government Acts, Orders and Regulations and by-laws of the Local Authority. in connection with the employment of Labour, serving notices and paying of fees on all matters related to the execution of the works.</p> <p>The Contractor must acquaint himself duly with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, access routes and delivery restrictions of materials and dumping sites etc and allow accordingly in his tender.</p> <p>In particular the Contractor's attention is drawn to the provisions of the Factory Act (Cap 514) 1950 and the Factories Amendment act (1990).</p> <p>His tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurance, pensions and holidays for workpeople or to the safety, health and welfare of the workpeople.</p> <p>The contractor will be held responsible for serving on the chief inspector of factories a written notice not later than seven days after the beginning of the building operations included in this contract stating the particulars required.</p> <p>The above rules are published in the Legal Notice 1179 of June 11 1978 and kenya gazette supplement No. 18 (Legislative Supplement No. 13) dated 5th April 1984 respectively.(Building Operations and work of Engineering construction)</p> <p>No claim in respect of want of knowledge in this connection will be entertained.</p> <p><u>POLICE REGULATIONS</u></p> <p>The Contractor shall at all times observe any police regulations including those regarding the loading and unloading of or waiting by vehicles on the pubic highway and the Contract Sum shall be deemed to include for strict compliance therewith.</p> <p><u>STATUTORY LEVIES</u></p> <p>The Tender must include for all costs arising or resulting from any Law requiring payment by the Contractor of any Statutory Levy or Levies currently in force.</p>	
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Item No		Amount Kshs
A	<p><u>FAIR WAGES</u></p> <p>The contractor shall pay rates of wages and observe hours and conditions of labour not less favourable than the minimum conditions of employment applicable in the district in which the work is carried out. The relevant notice must be posted up and kept posted upon the site where it can be conveniently read by the employees concerned in languages they can understand. The contractor is to comply with the Regulations of Wages and Conditions of Employment Act, Building and Construction Industry wages Council and is to be responsible for compliance of the sub-contractors employed in the execution of the contract. If required he is to notify the Architect of the names and addresses of all such sub-contractors. Any Contractor or Subcontractors not complying will not be permitted to tender for other work for such a period as the Architect may determine Should a claim be made to the Architect alleging the Contractor's default in payment of Fair Wages to any workman employed on the contract and if proof thereof satisfactory to the Architect, may failing payment by the contractor, pay the claim out of any monies due or which may become due to the contractor under this contract. The Contractor is to furnish to the Architect, if called upon to do so, such particulars of the rates of wages, hours and conditions of labour referred to above as the Architect may direct</p>	
B	<p><u>LABOUR CAMPS</u></p> <p>The Contractor shall NOT be permitted to house workers on site and must make arrangements to transport them to and from site on a daily basis.</p>	
C	<p><u>TRANSPORT TO AND FROM THE SITE</u></p> <p>The contractor shall include in his prices for the transport of materials, workmen etc to and from the site of the proposed works at such hours and by such routes as are permitted by the Authorities. All unit rates for local or imported goods are to include freight, insurance, handling and delivery costs to the project site together with import duties, sale tax, port charges etc and all other charges of whatever nature.</p>	
D	<p><u>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</u></p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Architect and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	
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Item No		Amount Kshs
A	<p><u>CLERK OF WORKS (ARCHITECT'S REPRESENTATIVE)</u></p> <p>The said works shall be executed under the direction and to the entire satisfaction of the Architect and clerk of works who shall have the Architect's specifically delegated authority and shall at all times have access to the works, to the yards and workshops of the contractor or other places where goods are being prepared for the building</p>	
B	<p><u>PROGRESS SCHEDULE</u></p> <p>Immediately after signing the contract the contractor is to prepare a Time progress Chart showing the time and order in which he proposes to carry out the works within the total construction time stated in the contract. The chart will show in detail the construction time and order in which each section of the work is to be carried out and be sub-divided into trades and tasks. If the contractor proposes sectional completion of the project he must plan this in detail including access roads, and services and this shall be reflected on the chart.</p> <p>Upon the letting of the sub-contractors work the contractor is to incorporate times and details of each separate sub-contractor work which information is to be agreed by the sub-contractor and the chart will be so designed to accommodate this information.</p> <p>At the end of each week the contractor is to mark on the chart in a different colour the actual time taken to complete the respective stages and sections of the work.</p> <p>The contractor shall obtain the Architect's approval on the chart and then shall supply copies to the Architect and Quantity Surveyor.</p> <p>If at any time it should appear to the Architect that the actual progress of the works does not conform to the approved programme progress schedule the contractor shall produce at the request of the Architect a revised programme showing the modifications and accelerations to the approved programme necessary to ensure completion of the works within the agreed contract period.</p> <p>The submission of and approval by the Architect of such revisions and accelerations shall not entitle the Contractor to any extra payment or extension of time and shall not relieve the contractor of any duties or obligations or responsibilities under the contract</p>	
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A	<p><u>OVERTIME</u></p> <p>The contractor shall be responsible for any extra costs for overtime working he considers will be necessary in order to complete the works within the contract period or time for completion apart from overtime working which may be authorized by the Architect. If overtime is worked out in accordance with a written instruction issued by the Architect the contractor will be reimbursed in respect of such overtime to the unproductive time payable over and above the basic hourly rates as laid down by the Regulation of wages and Conditions of employment Act, Building and Construction Industry Wages Council and excluding any bonuses, profits and overheads.</p>	
B	<p><u>TEMPORARY WORKS</u></p> <p><u>AREA TO BE OCCUPIED BY THE CONTRACTOR</u></p> <p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the Architect.</p>	
C	<p><u>ACCESS TO SITE AND TEMPORARY ROADS</u></p> <p>Means of access to the site shall be agreed with the Architect prior to commencement of the works and the Contractor must allow for building and maintaining any temporary access roads for the transport of materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges or any other means of gaining access. Upon the completion the works the Contractor shall remove such temporary roads, temporary culverts bridges etc and make good and reinstate all works and services disturbed to the satisfaction of the Architect.</p>	
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Item No		Amount Kshs
A	<p>TEMPORARY BUILDINGS</p> <p>OFFICE, ETC. FOR THE CONSULTANTS</p> <p>The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle Site Offices. The temporary office shall be for the sole use of the Employer, Consultants and Clerk of Works. He shall provide, erect and maintain a lockup western type water closet for the sole use of the above users, including making temporary connections to drain where applicable to the satisfaction of the Government and Medical Officers of Health and shall provide the services of a cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition and dismantle and make good disturbed surfaces to the satisfaction of the Architect on completion of the works.</p> <p>The office and closet shall be completed before the Contractor is permitted to commence the Works. The Contractor shall also be required to provide the necessary furniture such as chairs, tables, etc. for the use of the occupants and for purposes of holding site meetings. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys.</p> <p>The Contractor shall further make available on the Site as and when required for use by any Consultant or Clerk of Works the following which should be maintained in good working condition at all times: -</p> <ol style="list-style-type: none"> 1. One dumpy or quick set level and levelling staff. 2. One 30 metre steel tape. 3. Micrometer screw gauge. 4. Straight edges 3.0m and 1.0m long for testing accuracy of the finished concrete. 5. A glass graduated cylinder for use in the silt test for Organic Impurities in the sand. 6. Slump test apparatus. 7. 12 Nos. standard cube moulds. 8. Plumb Bob <p>The contractor shall allow for the cost of providing light refreshment for the consultants at site meetings.</p> <p style="text-align: right;">Carried to Collection</p>	
		KShs
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Item No		Amount Kshs
A	<p>SANITATION OF THE WORKS</p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Client and/or Local Authorities, Labour Department and the Architect. The latrines shall be enclosed with framing and corrugated sheets roofs, sides and partitions, with concrete floors steel trowelled smooth to floors to facilitate washing. Their location shall be agreed with the Architects and the works shall not be commenced before the sanitary accommodation has been approved by the above mentioned authorities. The Contractor will be required to pay all conservancy charges and shall ensure clean daily maintenance and disinfecting of the latrines, and not less than once per week, the whole area shall be sprayed with disinfectant and insecticides and any temporary drains shall be removed and all works and surfaces disturbed made good and then the whole area disinfected and left clean and free from pollution to the satisfaction of the Architect and local authorities.</p>	
B	<p>HOARDING</p> <p>The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centres with two 75 x 50 mm timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site. (Approximate Length 240 L.M)</p>	
C	<p>STORES</p> <p>The contractor shall provide sheds for storage accommodation for all goods and materials liable to suffer damage from exposure to sunlight or inclement weather. The contractor shall provide offices, mess rooms and all the buildings required by the contractor for his own use and the use of Nominated Sub-contractors as required by the items of attendance only.</p>	
D	<p>SIGN BOARD</p> <p>The Contractor shall provide and erect where directed and maintain during the whole period of the building operation and remove at completion, one approved temporary notice board to the Architect's standard design giving a brief description of the works and showing the names of the employer and the consultants, with sufficient space to append the names of the sub-contractors and suppliers when known. The lettering concerning the Architect, Quantity Surveyor and Engineer is not to be more than 50mm high.</p>	
E	<p>Upon completion all temporary buildings are to be removed and cleared away.</p>	
Carried to Collection		KShs
<p>Section No. 3 Bill No. 2 GENERAL MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>		

Item No		Amount Kshs
A	<p><u>PROTECTION OF THE WORK</u></p> <p>Except as provided for in the Conditions of Contract, the Contractor shall be held responsible for the care of Works generally until their completion, including all works executed and materials deposited on the site by himself or Sub-Contractors or suppliers, together with all risks arising from weather, carelessness of operatives, damage or loss at his own expense.</p> <p>The Contractor shall provide protection of the whole of the works contained in the Bills of Quantities, including casing, covering or such other means as may be necessary to avoid damage to finished works, on going works or materials on site to the satisfaction of the Architect and remove such protection when no longer required.</p> <p>In the event of any damages occurring to the works, materials, sewers, drains, gullies, paths or other works on site in temporary possession of the contractor for the purpose of this contract either from weather, want of proper protection, defects, or insufficiency of the works or any other causes or whatsoever during the progress of the works, the contractor shall be responsible and without extra charge, make good all damage and pay all costs which may be levied.</p>	
B	<p><u>TEMPORARY DISPOSAL OF RAINWATER</u></p> <p>The Contractor shall provide and maintain all necessary temporary gutters, down pipes, chutes, drains, etc. for conveying rainwater from the buildings. The Contractor shall allow for temporary drainage, pumping and piping for keeping the premises and site free from accumulation of water.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p><u>PREVENTION OF NUISANCE & DISTURBANCE</u></p> <p>The works and such sections of the site necessary thereafter shall be under the entire care and control of the contractor during the whole period of the contract.</p> <p>The Contractor shall take all possible precautions to prevent any nuisance, inconvenience or injury to the holder or occupiers of the existing or surrounding properties and to the public generally, and shall at all times keep all paths and roads affected by the works in a safe and clear state, and shall use proper precautions to ensure the safety of all wheeled traffic and pedestrians.</p> <p>Minimum disturbance by noise, dust, water or movement of vehicles, materials, labour or plant must be caused to the function of the existing adjacent buildings in the vicinity and the occupants and staff therein.</p> <p>The Contractor shall comply with all instructions issued by the Employer or Architect with regard to minimising such disturbances.</p>	
B	<p><u>REMOVAL OF PLANT AND RUBBISH ETC</u></p> <p>Provide for removal of rubbish and debris from the Buildings and site as it accumulates on site at weekly intervals or as directed by the Architect.</p> <p>The Contractor shall upon completion of the works remove and clear away all temporary buildings, plant, rubbish and unused materials, and shall leave the whole of the site of the works in a clean and tidy state to the satisfaction of the Architect.</p>	
C	<p><u>WORKS TO BE DELIVERED UP CLEAN</u></p> <p>Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the Architect.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p><u>PHASED IMPLEMENTATION AND SECTIONAL COMPLETION</u></p> <p>Although sectional completion is not contemplated, the Contractor shall abide by any phased implementation of the works that may be directed by the Architect to suit the requirements of the Employer. Tenderers are also notified that no contractual claims or increase in prices will be allowed due to any Phased implementation of the works. The last of the contract works are however to be completed within the overall Contract Completion Period</p>	
B	<p><u>OCCUPATION CERTIFICATE</u></p> <p>At the completion of the Works, the Contractor shall apply for and obtain the Occupation Certificate from the Local Authority and see that it is duly completed and signed in accordance with conditions laid down by current By-Laws.</p>	
C	<p><u>TRAINING LEVY</u></p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p> <p><u>VALUE ADDED TAX (V.A.T.)</u></p> <p>The Tenderers' attention is drawn to the Kenya Government's latest regulations on Value Added Tax (V.A.T.) subjecting all construction services contracts to a V.A.T. rating of Sixteen Percent (16%). Tenderers are therefore required to allow for V.A.T. in their rates. Tenderer's should note therefore that all their Bills of Quantities rates for measured items and all preliminaries should <u>include</u> V.A.T.</p> <p>It should further be noted that all the Provisional Sums and P.C. Sums given herein are <u>inclusive</u> of V.A.T.</p> <p>Any additional information and assistance concerning the application of the said notice should be directed to the office of the Commissioner of Value Added Tax</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p><u>GENERAL SPECIFICATION</u></p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Specifications contained in Part No. 4 herein which shall be followed in all respects unless it conflicts with the General Preliminaries, Particular Preliminaries or other items in these Bills of Quantities, in which case the contents of the Bills of Quantities shall apply.</p> <p>The Contractor is referred to the Ministry of Roads and Public Works General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles/specifications or other items in these Bills of Quantities.</p>	
B	<p><u>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</u></p> <p><u>Attendance</u></p> <p>Attendance; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-“Attendance on Nominated Sub-Contractors shall be given as an item in each case and shall be deemed to include allowing use of standing scaffolding; providing retaining, maintaining, altering and later removing all special scaffolding; allowing the use of mess rooms, sanitary accommodation and welfare facilities; providing office and storage facilities and water and power (all as specified in the Preliminaries, unloading, handling, storing, hoisting, placing in position, providing watching and lighting; hacking surfaces as required, clearing away rubbish, removing and replacing dust covers, pipe casting and the like necessary for the execution and testing of Sub-Contractors’ works; providing templates, dimensions and supervision for the proper carrying out of the Sub-Contractors’ work and being responsible for the accuracy of the same”.</p>	
C	<p><u>BUILDERS WORK</u></p> <p>Clause B19(c) of the Standard Method of Measurement is deleted and the following Clause substituted:“All builder’s work in connection with work by Nominated Sub-Contractors including cutting all holes, chases, sinking and pockets and making good all floor, wall and ceiling finishes shall be given as an item”.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p>DISPOSAL OF WATER</p> <p>Clause D18 (a) and (b) of the Standard Method of Measurement are deleted and the following Clause is substituted: "Keeping excavations free from all water including spring and running water shall be given as an item or shall be included in the description of excavation"</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 2</i> GENERAL MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

<p>Section No. 3</p> <p>Bill No. 2</p> <p>GENERAL MATTERS</p> <p><u>COLLECTION</u></p>	<p><i>Page No</i></p>	<p><i>Amount Kshs</i></p>
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<p>Section No. 3</p> <p>Bill No. 2</p> <p>GENERAL MATTERS</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>		

	Page No	Amount Kshs
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<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>		
<i>Copyright Paramount Project Consultants Ltd</i>		

Item No		Amount Kshs
	<p><u>SECTION NO. 3</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BILL NO. 3</u></p> <p><u>PARTICULAR MATTERS</u></p> <p><u>PARTIES</u></p> <p>"Employer" shall be held to mean The Co operative University of Kenya P. O. Box 24814 - 00502 Karen, Nairobi</p> <p>"Architect" shall be held to mean Archtron Systems P. O. Box 73758 - 00200 Nairobi</p> <p>"Quantity Surveyor" shall be held to mean Paramount Project Consultants Ltd Telephone No. + 254 724 277 303 / + 254 20 80 15 138 Email Info@ppcltd.co.ke / fervent@ppcltd.co.ke P. O. Box 29152 - 00100 Nairobi</p> <p>"Structural & Civil Engineers" shall be held to mean Coperk Consultants Engineering Services P. O. Box 14548 - 00800 Nairobi</p>	
	Carried to Collection	KShs
	<p><i>Section No. 3</i></p> <p><i>Bill No. 3</i></p> <p><i>PARTICULAR MATTERS</i></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
	<p><u>LOCATION OF SITE</u></p> <p>The site of the proposed works is located in The Co operative University of Kenya along Ushirika Road off Masai Road, Karen Nairobi.</p> <p>The Contractor shall be deemed to have visited the site and satisfied himself as to:-</p> <ol style="list-style-type: none"> 1. The nature and position of the site. 2. The amount of the rubbish or debris to be cleared away before commencement. 3. The nature, current usage, proximity and size of adjoining property and building. 4. The availability of land for the erection and positioning of all temporary structures, plant and materials necessary for the execution of the works. The contractor shall obtain approval from the relevant Local Authority in all matters relating site access and erection of temporary structures and must ensure adherence to the requirements of these authorities. 5. No claim will be allowed for travelling or other expenses which may be incurred by the Contractor in visiting the site or preparing the tender for the works. 	
	Carried to Collection	KShs
	<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>	

Item No		Amount Kshs
	<p><u>SCOPE OF CONTRACT AND DESCRIPTION OF THE WORKS</u></p> <p>The works under this contract comprise the construction and completion of Lecture Halls for The Co operative University of Kenya together with all the associated Services.</p> <p>The construction comprises of:-</p> <ol style="list-style-type: none"> 1. Reinforced Concrete Foundations, floor bed, beams, EPS Floor Slabs. 2. Smooth dressed and Machine Cut Natural Stone to External and Internal Walls. 3. Pre-painted Box Profile Roof Sheets. 4. Metal Casement Windows. 5. Steel Casement Doors & Flush Doors. 6. Plastered and Painted Wall and Tiled Finish to Wet Areas. 7. Plaster and Paint to Slab Ceiling. 8. Floor finish is Non Slip Ceramic Floor Tiles. 9. Services comprise electrical and mechanical installations to be executed by approved Nominated Sub-Contractors. <p>The type of construction and materials to be used in executing these works are clearly shown on the Architect's and Engineer's drawings and set out herein in these Bills of Quantities.</p> <p>The contractor must obtain the approval from the Architect in regard to the use of any materials or facilities existing or found on site.</p>	
	Carried to Collection	KShs
	<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>	

Item No		Amount Kshs																		
	<p><u>FLOOR AREAS</u></p> <p>The following are floor areas :-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">FLOOR AREA SCHEDULE</th> </tr> </thead> <tbody> <tr> <td style="width: 5%; text-align: center;">1.</td> <td style="width: 75%;">Ground Floor</td> <td style="width: 20%; text-align: center;">296 S.M</td> </tr> <tr> <td style="text-align: center;">1.</td> <td>First Floor</td> <td style="text-align: center;">296 S.M</td> </tr> <tr> <td style="text-align: center;">2.</td> <td>Second Floor</td> <td style="text-align: center;">296 S.M</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Third Floor</td> <td style="text-align: center;">296 S.M</td> </tr> <tr> <td></td> <td style="text-align: right;"><u>Total</u></td> <td style="text-align: center;"><u>1,184 S.M</u></td> </tr> </tbody> </table> <p>The above information is given without warranty and is only meant for the contractor's guidance</p> <p><u>TENDER DOCUMENTS</u></p> <p>The tender documents consist of the following:-</p> <ol style="list-style-type: none"> 1. Letter of Invitation to tender 2. Letter of Offer 3. Conditions of Tendering 4. Preliminaries 5. Specifications 6. Bills of quantities 7. Drawings upon which the Bills of Quantities are based 	FLOOR AREA SCHEDULE			1.	Ground Floor	296 S.M	1.	First Floor	296 S.M	2.	Second Floor	296 S.M	3.	Third Floor	296 S.M		<u>Total</u>	<u>1,184 S.M</u>	
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	Carried to Collection	KShs																		
	<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>																			

Item No		Amount Kshs
	<p><u>CONTRACT DOCUMENTS</u></p> <p>The contract documents for use in the carrying out of works shall be the following:-</p> <ol style="list-style-type: none"> 1. Letter of Tender 2. Letter of Acceptance 3. The agreement and conditions of contract for building works 1999 edition 4. Contract drawings as listed in the appendix 5. Contract bills of quantities or schedule of rates as applicable 6. Specifications as separately supplied or as contained in the contract bills 7. Contractors All Risk Insurance Policy 8. Performance Security 	
	Carried to Collection	KShs
	<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>	

Item No		Amount Kshs
	<p><u>DRAWINGS</u></p> <p>The drawings used in the preparation of these Bills of Quantities are as outlined in Part One of the Tender Document under Schedule of Drawing and are deemed to be the Tender and Contract Drawings.</p> <p>A set of the basic Architectural drawings is enclosed with the tender documents. The rest of the drawings are however available for inspection at the offices of the Architects or Quantity Surveyors during normal working hours by prior appointment.</p> <p>The Tenderer's attention is drawn to the fact that references have been made to some of the drawings in the measured section of the Bills of Quantities. Any such drawings can be made available for inspection by any Tenderer who so wishes.</p> <p><u>FIXED RATE CONTRACT</u></p> <p>The Tenderers attention is drawn to the fact that this is a fixed rate contract. No claim for increased costs will be entertained and the Contractor must allow in his tender for any increases in the cost of labour, materials and plant which may occur during the currency of the Contract.</p> <p>The whole of clause 35 relating to price fluctuations shall therefore be deleted.</p> <p><u>CONDITIONS OF CONTRACT</u></p> <p>The Contractor will be required to enter into a Contract with the Employer under the terms of the Agreement and Conditions of Contract for Building Works, April 1999 Edition published by the Joint Building Council, Kenya, copies of which may be inspected at the Project Quantity Surveyor's office by prior appointment during working hours.</p> <p>The Contractor's attention is called to the following clauses of the conditions of Contract and additions and/or amendments thereto, which shall be read as incorporated herein.</p> <p>If the Contractor considers that compliance with any of the conditions of Contract, together with sub clauses used in application of which headings are set out hereunder involves expenses to him, which is not included elsewhere in his prices, he shall set down opposite any such conditions the value he attaches thereto.</p>	
	Carried to Collection	KShs
<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>		

Item No		Amount Kshs
	<p>The Tenderer's attention is called to the following Clauses of the Conditions of Contract which shall be read as incorporated herein and he shall allow any sums which he considers necessary for the carrying out and observance of such Conditions:</p>	
A	<p>Clause 1 Definitions</p>	
B	<p>Clause 2 Articles of Agreement</p>	
C	<p>Clause 3 General obligations of the Employer Amendment: The end of the sentence comprising paragraphs 3.4 commencing with the words 'and shall provide such evidence' shall be deleted. Note: The Employer's obligation shall be confirmed in writing to the successful Contractor by the Architect.</p>	
D	<p>Clause 4 General obligations of the Contractor</p> <p>Note: The Contractor shall allow for paying all legally demandable fees, rates or taxes including V.A.T., and those for hoarding and temporary buildings, and no adjustment of the Contract Sum will be made in respect of such payments unless expressly stated to the contrary in these Bills of Quantities.</p> <p>The Contractor shall apply for, provide all transport necessary for, and pay all costs and charges in connection with the Occupation Certificate.</p> <p>Documentation required for such Certificate will be provided by the Architect.</p>	
E	<p>Clause 5 General obligations of the Architect</p>	
F	<p>Clause 6 General obligations of the Quantity Surveyor</p>	
	<p>Carried to Collection</p>	KShs
	<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>	

Item No		Amount Kshs
A	<p>Clause 7 Contract documents</p> <p>Amendments:</p> <ol style="list-style-type: none"> 1. The word "Employer" in clause 7.3 shall be deleted and replaced with the word "Contractor" 2. Clause 7.10.3 shall be re-numbered 7.10.5 while clause 7.10.5 shall be re-numbered 7.10.3 	
B	<p>Clause 8 Contract Bills and Contract Price</p> <p>Note:-</p> <p>The Contract Bills have been prepared in accordance with the latest edition of the Standard Method of Measurement of Building Works published by the Architectural Association of Kenya, Chapter of Quantity Surveyors as amended at the end of these Preliminaries.</p> <p>This document is available for purchase from the Professional Centre, Parliament Road, St. John's Gate, P.O. Box 72643, Nairobi, Kenya or may be inspected at the offices of the Quantity Surveyors or any other location specified by them.</p> <p>Note: All Payments made in connection with this Contract will be in Kenya Shillings.</p>	
C	<p>Clause 9 Contractors site agent and other staff</p> <p>Note:</p> <p>The Architect will require that the proposed site agent is properly qualified and experienced and reserves the right to order the dismissal from the works of any site agent who does not meet with his approval</p>	
D	<p>Clause 10 Clerk of Works.</p>	
E	<p>Clause 11 Liability against injury to persons and property</p>	
Carried to Collection		KShs
<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>		

Item No		Amount Kshs
A	<p>Clause 12 Insurance against Injury to Persons and Property</p> <p>Note:-</p> <p>The Contractor shall effect and maintain the following insurances in the names of the Employer with an insurance firm to the approval of the Employer and Architect to cover the full value of the following insurances as required by Clause 13 and shall allow for all costs thereof: -</p> <p>(a) Employer's Liability (Workmen's Compensation)</p> <p>(b) Third Party (Public) Liability for an Indemnity of not less than Kenya Shillings Five Million (KShs. 5,000,000.00) in any one accident or series of accidents arising from the same event (unlimited in aggregate).</p> <p>The Contractor shall ensure that all Sub-Contractors effect and maintain such insurances as are necessary to cover their liabilities in respect of injury to persons and property and Workmen's Compensation.</p>	
B	<p>Clause 13 Insurance of the Works (Contractors Liability)</p>	
C	<p>Clause 14 Insurance of the Works (Employer's Liability)</p> <p>Note: This Clause is deleted</p>	
D	<p>Clause 15 Insurance of the Works (works of Alterations etc)</p> <p>Note: This clause is deleted</p>	
	<p>NOTES ON INSURANCE</p>	
E	<p>In addition to the Conditions of Contract and the requirements contained in the foregoing Clauses, the Contractor/Employer shall include in the insurance policies described above full Indemnity for the following items and shall allow for all costs thereof:-</p> <p>(a) The Contract Works and temporary works to be erected in performance of this Contract to the value of not less than the Contract Sum.</p> <p>(b) The Materials on Site.</p> <p>(c) The Contractor's plant, tools and equipment</p> <p>(d) Professional fees to be calculated at Ten percent (10%) of Contract Sum.</p>	
	<p style="text-align: center;">Carried to Collection</p>	<p style="text-align: right;">KShs</p>
	<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>	

Item No		Amount Kshs
	<p>(e) Escalation/inflation on (b) above for an Indemnity of not less than 15% of the Contract Sum</p> <p>(f) Spare parts, fuel, stores, provisions and property of employees (Note: This item to be at the discretion of the Contractor)</p> <p>Full Indemnity shall also be taken out in the same Policy to include and Indemnify the following SPECIAL CLAUSES:-</p> <p>(g) Automatic reinstatement of loss</p> <p>(h) Damage to any existing property</p> <p>(j) The Maintenance period of Six (6) Months</p> <p>(k) The Fluctuation Clause</p> <p>(l) All site Sub-Contractors</p> <p>(m) All cross liabilities</p> <p>(n) The Principals Clause</p> <p>Any EXCESS cover required shall be at the sole discretion of the Contractor or example for any or all of the following:-</p> <p style="padding-left: 40px;">(a) Storm,</p> <p style="padding-left: 40px;">(b) flood,</p> <p style="padding-left: 40px;">(c) subsidence,</p> <p style="padding-left: 40px;">(d) collapse, etc.</p> <p style="padding-left: 40px;">(e) Plant and equipment claims</p> <p style="padding-left: 40px;">(f) Third party claims Goods in transit claims</p> <p style="padding-left: 40px;">(g) or any other Claim</p>	
	Carried to Collection	KShs
	<p>Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>	

Item No		Amount Kshs
A	<p>Clause 16 Performance Bond</p> <p>(a) Clause 16.1:- The Contractor shall either allow for a Cash Bond or obtain and submit on the Form of Tender the name of one Surety who shall be an established bank who are willing to be bound to the Employer in an amount equal to Ten Percent (10%) of the Contract amount for the due performance of the Contract up to the date of completion as certified by the Architect and who will when and if called upon, sign a Bond annexed in the Form of Agreement (Without the addition of any limitations) within 14 days of the Tenderer signing the Letter of Acceptance. In the event of the Surety named in the Form of Tender not being approved by the Employer, the Contractor shall furnish within seven (7) days another Surety to the approval of the Employer</p> <p>(b) Clause 16.2:- Employer's Performance Bond (Not Applicable - to be deleted)</p>	
B	<p>Clause 17 Compliance with regulations, notices etc.</p>	
C	<p>Clause 18 Programme of works</p>	
D	<p>Clause 19 Access to the works.</p> <p>The contractor shall provide to the Employer and his representative's access to the works and workshops or other places of the Contractor where work is being prepared for the Contract. This shall be in addition to similar access to be provided to the Architect and his representatives.</p>	
E	<p>Clause 20 Possession of site and commencement of works</p>	
F	<p>Clause 21 Leveling and setting out</p>	
G	<p>Clause 22 Architect's instructions</p>	
H	<p>Clause 23 Specification of goods, materials and workmanship</p>	
J	<p>Clause 24 Samples and tests</p>	
K	<p>Clause 25 Royalties and patent rights</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 3</i> PARTICULAR MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No			Amount Kshs
A	Clause 26	Assignment	
B	Clause 27	Subletting	
C	Clause 28	Suspension of works by the Architect	
D	Clause 29	Suspension of the works by the Contractor	
Carried to Collection			
<i>Section No. 3</i> <i>Bill No. 3</i> PARTICULAR MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i>			KShs

Item No		Amount Kshs
A	<p>Clause 30 Variations</p> <p>Note: the Contractor shall submit to the Architect claims for any work or circumstance on account of which he may consider that he is entitled to extra payment within seven days from the time of commencement of such work or occurrence of such circumstance. Any such claim must be in writing and accompanied by full particulars and must state under which provision of the Contract it is claimed that payment shall be made. Daywork Rates Any Daywork ordered under Sub clause (4)(C) of this Clause shall be the Prime Cost to which the following percentages will be added as appropriate</p> <p>Labour%</p> <p>Materials%</p> <p>Plant%</p> <p>The percentage additions shall cover all other on costs associated with the execution of the day works including Contractor’s establishment and overhead costs and profit. (Tenderer to insert percentages)</p> <p>The Prime Cost shall in each case be calculated on the basis of market prices prevailing as at the date of execution of the daywork and shall be determined by the Quantity Surveyor.</p> <p>Daywork will be allowed only where specifically ordered or authorized by the Architect or their authorized representative in writing. All daywork sheets must be signed by both the Architect and the Contractor or their authorized representatives.</p> <p>Final Account The Contractor shall be required to prepare and submit to the Quantity Surveyor for their agreement, detailed Bills of Quantities for all variation works requiring re measurement and works covered by Provisional Sums as soon as such works are completed and the Tenderer should allow for all costs involved in complying with this requirement. The agreed Bills will form the basis of the Final Account.</p>	
	Carried to Collection	KShs
	<p>Section No. 3</p> <p>Bill No. 3</p> <p>PARTICULAR MATTERS</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p>Clause 31 Nominated Sub-Contractors</p> <p>Note: The Contractor must enter into Sub-Contracts with the Nominated Sub-Contractors on the latest edition of the Standard 'Agreement and Schedule of Conditions of Building Sub-Contract' form published by the Kenya Association of Building and Civil Engineering Contractors.</p> <p>He must incorporate therein any conditions herein applicable to Nominated Sub-contractors and if he fails to do so must accept full responsibility for any omissions, delays, bad workmanship, claims or expenses arising from the absence thereof.</p> <p>The Sub-Contract must cover such matters as payments on account, retention sums, maintenance period, facilities, dates for completion of each portion of the works together with a liquidated and ascertained damages clause in the event of delayed completion or non-completion and indemnity of the Contractor against any claims arising out of the misuse by any such Sub-Contractor or his workmen of any scaffold erected or plant employed by the Contractor, or that may be made against the Contractor in consequence of any act, omission or default of the Sub-Contractor, his servants or agents, or in respect of injury to workmen employed by the Sub-Contractor. Notwithstanding the provisions contained in Clauses 31, the Employer reserves the right to incorporate work of any Nominated Sub-Contractor into the Main Contract in which event the Nominated Sub-Contractor shall become a domestic Sub-Contractor to the Main Contractor for all intents and purposes of this Contract.</p> <p>Any rights and obligations of the Nominated Sub-Contractor under Clause 31 will in that event revert to the Main Contractor.</p> <p>No claims will be entertained from the Main Contractor if the Employer decides to exercise this right but profit, overheads and attendance on the appropriate P.C. Sums will be paid as provided for in the Contract.</p>	
	<p>Carried to Collection</p>	<p>KShs</p>
	<p><i>Section No. 3</i> <i>Bill No. 3</i> PARTICULAR MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	

Item No		Amount Kshs
A	<p>Clause 32 Nominated Suppliers</p> <p>Note: With regard to Nominated Sub-Contractors and Suppliers:</p> <p>(a) The Contractor will not receive any cash, trade or other discounts on Prime Cost and Provisional Sums. Any profit in lieu of these discounts which the Contractor desires must be priced by him against the appropriate items provided in the Bills of Quantities.</p> <p>(b) When tendering for works covered by Prime Cost and Provisional Sums, the Contractor will be treated as any other Nominated Supplier or Sub-Contractor.</p> <p>(c) The Employer reserves the right to pay direct on certificates of the Architect some or all accounts in respect of works and Provisional Sums due to Nominated Sub-Contractors or Nominated Suppliers and to deduct any amounts so paid from any sums otherwise payable to the Contractor. Should this reservation be adopted, any profits which the Contractor may have allowed on Prime Cost and Provisional Sums may be omitted from the Contract, at the discretion of the Architect. Direct payment will not be deemed to construe omission of the work from the Contract and the Contractor will continue to be responsible for the work or goods in accordance with the terms of the Contract.</p>	
B	<p>Clause 33 Works by other persons engaged by the Employer</p> <p>(a) The Contractor shall permit the carrying out of work not forming part of this contract, by the Employer or by other persons employed or otherwise engaged by him/her</p> <p>(b) Where the work is not described in the contract bills, the Employer, at his/her sole discretion, may arrange the carrying out of such work at any time during the term of this contract.</p>	
	<p style="text-align: center;">Carried to Collection</p> <p><i>Section No. 3</i> <i>Bill No. 3</i> PARTICULAR MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>	<p style="text-align: right;">KShs</p>

Item No		Amount Kshs
A	<p>Clause 34 Payments</p> <p>NOTES:</p> <p>(a) At intervals stated, Certificates shall be issued subject to Sub clause 34.4. When applying for a Certificate, the Contractor shall furnish the Quantity Surveyor with a detailed approximate statement of the value of work executed and all materials on site in order to expedite the issue of the Certificates.</p> <p>(b) Subsequent Certificates will not be issued to the Contractor by the Architect until satisfactory proof has been given by the Contractor that Nominated Sub-Contractors and Suppliers have been paid the amounts included for them in previous Certificates issued to the Contractor.</p> <p>(c) All documents necessary for the purpose of the composition of the Final Account including all documents relating to the Accounts of Nominated Sub-Contractors and suppliers shall be passed to the Quantity Surveyor as and when available during the progress of the works and not later than one month after Date of Practical Completion</p> <p>(d) The whole of Sub clauses 34.6, 34.7 34.14 and 34.15 shall be deleted</p>	
B	<p>Clause 35 Fluctuations</p> <p>Note: This Clause is deleted</p> <p>IMPORTANT NOTES</p> <p>This is a fixed rate Contract and the Contractor must allow in his tender for any increase in the cost of labour, materials and plant for any reason whatsoever during the currency of the Contract.</p>	
C	<p>Clause 36 Extension of time</p> <p>NOTE Sub clause 36.1.2 to be amended as follows: "by reason of any exceptionally adverse weather conditions taking into considerations the worst weather conditions recorded in the past Ten (10) years by the Meteorological Department"</p>	
Carried to Collection		KShs
<p><i>Section No. 3</i> <i>Bill No. 3</i> PARTICULAR MATTERS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>		

Item No		Amount Kshs
A	Clause 37 Loss and expense caused by disturbance of regular progress of the works	
B	Clause 38 Termination of the Contract by Employer	
C	Clause 39 Termination of the Contract by the Contractor	
D	Clause 40 Termination of the Contract by either party	
E	Clause 41 Practical completion and defects liability	
F	Clause 42 Sectional completion	
G	Clause 43 Damages for delay in completion 2% of Contract Sum per Week. (The maximum amount of delay damages shall be ten percent 10% of the contract price stated in the contract agreement.)	
H	Clause 44 Antiquities and other objects of value	
J	Clause 45 Settlement of disputes	
Carried to Collection		KShs
Section No. 3 Bill No. 3 PARTICULAR MATTERS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd		

Section No. 3			
Bill No. 3			
PARTICULAR MATTERS			
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PARTICULAR MATTERS			
<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>			
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PARTICULAR INSERTIONS TO BE MADE IN APPENDIX TO CONDITIONS OF CONTRACT		
Percentage to cover professional fees for insurance purposes only	Clause 13	10% of Contract Sum
Name of Contractor's Surety (Approved Bank Bond)	Clause 16.1	_____ _____ (Contractor to Propose and state herein)
Amount of Surety	Clause 16.1	10% of Contract Sum
Name of Employer's Surety	Clause 16.2	Not Applicable (N/A)
Period for submission of program	Clause 18.1	14 Days from Contractor's date of signing the letter of acceptance.
Period for possession of site	Clause 20.1	_____ (Weeks)
Contract Period	Clause 20.2	_____ (Weeks)
Date for Commencement of works	Clause 20.2	Day of _____ 2024
Date for Practical Completion	Clause 20.2	Day of _____ 2024
Name of the Bank for purposes of interest calculation	Clause 31.14 Clause 32.4.5 Clause 34.6	Not Applicable (N/A)
Interval for application of Payment certificates	Clause 34.1	Four (4) Weeks
Minimum amount of payment certificate	Clause 34.4	5% of Contract Price
Percentage of certified value retained	Clause 34.12	10% of Contract Price
Limit of Retention	Clause 34.12	5% of Contract Price of Provisional Final Account whichever is higher
Periods for release of interest on retention money to Contractor	Clause 34.15	Not Applicable (N/A)
Period of final measurement and valuation	Clause 34.17	Twelve (12) Weeks after the Practical Completion
Defects Liability Period	Clause 41.6	Thirty (30) Weeks
Damages for delay in completion	Clause 43.1	2% of Contract Sum per Week. (The maximum amount of delay damages shall be ten percent (10%) of the contract price stated in the contract agreement.)
_____	EMPLOYER	_____
		CONTRACTOR

Section No. 3

APPENDIX TO THE CONTRACT

Proposed Completion of Lecture Theatre III Annex (Phase I)

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<i>Bill No</i>	<u>SECTION SUMMARY - PRELIMINARIES</u>	<i>Page No</i>		<i>Amount Kshs</i>
1	GENERAL MATTERS	3/34		
2	PARTICULAR MATTERS	3/52		
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<i>Section No. 3</i>				
<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
<i>Copyright Paramount Project Consultants Ltd</i>				
KShs				



SECTION NO. 4: SPECIFICATIONS

Section No. 4

SECTION COVER PAGE

Proposed Completion of Lecture Theatre III Annex (Phase I)

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Item No		Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 4</u></p> <p><u>SPECIFICATIONS</u></p> <p><u>BILL NO. 2</u></p> <p><u>SPECIFICATIONS</u></p> <p><u>The contractor should read carefully the following specification for workmanship numbered from page GD1-GD39</u></p> <p>1) GENERAL</p> <p>2) DEMOLITIONS AND ALTERATIONS</p> <p>3) EXCAVATIONS AND EARTHWORKS</p> <p>4) CONCRETE WORK</p> <p>5) WALLING</p> <p>6) ROOFING AND RAIN WATER DISPOSAL</p> <p>7) CARPENTRY AND JOINERY</p> <p>8) METAL WORK</p> <p>9) FINISHINGS</p> <p>10) GLAZING</p> <p>11) PAINTING AND DECORATING</p> <p>12) PLUMBING</p> <p>13) DRAINAGE</p>			
	<p>Carried Forward to Summary of Section No. 4</p>		KShs	
	<p><i>Section No. 4</i></p> <p><i>Bill No. 2</i></p> <p><i>SPECIFICATIONS</i></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>			



SECTION NO. 5: BUILDERS WORK

Section No. 5

SECTION COVER PAGE

Proposed Completion of Lecture Theatre III Annex (Phase I)

Copyright Paramount Project Consultants Ltd

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 5</u></p> <p><u>BUILDERS WORK</u></p> <p><u>BILL NO. 2</u></p> <p><u>DEMOLITIONS AND DOWN TAKINGS</u></p> <p><u>ALL PROVISIONAL</u></p> <p><i>Tenderers to note the following :-</i></p> <p>The Tenderer is strongly recommended to visit the site to determine the scope and extent of demolition works to be carried out</p> <p>All salvageable items shall be carefully taken down and removed from site prior to demolition works</p> <p>All material arising out of the demolition and dountaking shall become property of the contractor who should allow a credit for all such materials as shown at the end of this section. This should also cover the cost of removal and transportation of such material away from site. The Tenderers must allow a realistic credit value commensurate with the salvaged material. The Quantity Surveyor reserves the right to revalue the credit if in his opinion it is considered to be underpriced</p> <p>The cost of demolition shall include all necessary dountaking, taking up all foundations, breaking up concrete floor slabs, ripping up foundations and carting away arising debris. (IMPORTANT NOTE)</p> <p>The Employer reserves the right to take possession of any salvaged materials arising from demolitions and dountaking in which event the amount of credit shall be adjusted accordingly by the Quantity Surveyor.</p> <p>The cost of any material taken down and later re-used in the contract shall also be adjusted accordingly by the Quantity Surveyor.</p> <p style="text-align: center;">Carried to Collection</p> <p><i>Section No. 5</i> <i>Bill No. 2</i> DEMOLITIONS AND DOWN TAKINGS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>				
				KShs	

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p>The Tenderer shall be required to have fully examined and acquainted himself to the present condition of the foregoing downtakings and their possible future re-usability. No claims arising out of the Tenderer's lack of knowledge in this respect shall be entertained</p> <p>All debris and materials arising from demolition and downtaking shall be removed immediately from site and Tenderer's price should include the cost thereof</p> <p>The successful Tenderer shall be required to liaise with the relevant statutory Authorities and the Services Engineer before the disconnection and removal of existing utility cables/pipes.</p> <p>The Tenderer is required to liaise and obtain the express permission of the Project Manager/Architect before commencing on the demolitions of any building, structure or item which forms part of the boundary wall</p>				
A	<p>CONCRETE SLAB</p> <p>Carefully cut existing Concrete Ground Floor Slab to make opening for Column base make good all disturbed/exposed surfaces to receive new works and cart away arising debris from site to contractor's approved tip</p>	S.M	7		
B	<p>CONCRETE COLUMNS</p> <p>Carefully hack existing Concrete Columns (approximately 20 mm - 30 mm deep), expose existing reinforcement make good all disturbed/exposed surfaces to receive new works and cart away arising debris from site to contractor's approved tip</p>	C.M	3		
	<p>Carried to Collection</p>			KShs	
	<p><i>Section No. 5</i> <i>Bill No. 2</i> DEMOLITIONS AND DOWN TAKINGS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p>SUNDRY ITEMS</p> <p>Allow for any other necessary demolition or down taking works not described in this part (provide details)</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>		Item		
Carried to Collection				KShs	
<p><i>Section No. 5</i> <i>Bill No. 2</i> DEMOLITIONS AND DOWN TAKINGS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>					

<p>Section No. 5</p> <p>Bill No. 2</p> <p>DEMOLITIONS AND DOWN TAKINGS</p> <p><u>COLLECTION</u></p>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 5</u></p> <p><u>BUILDERS WORK</u></p> <p><u>BILL NO. 3</u></p> <p><u>SUBSTRUCTURES</u></p> <p><i>Bulk or the like; starting from existing ground level; in normal material including for Laterite Gravel</i></p>				
A	Not exceeding 1.5 m deep from existing ground level	C.M	9		
	<i>Trenches; to receive foundations; starting from stripped level</i>				
B	Not exceeding 1.5m deep	C.M	260		
	<i>Pits; to receive isolated bases or the like; starting from reduced level</i>				
C	Not exceeding 1.5m deep	C.M	14		
D	Exceeding 1.5m deep but not 3.0m deep	C.M	3		
	<u>DISPOSAL OF EXCAVATED MATERIALS</u>				
E	Backfilling depositing and compacting in layers maximum 300 mm thick	C.M	209		
	<u>Surplus excavated materials</u>				
F	Load and cart away surplus excavated material from site to contractors approved tipping area on site	C.M	69		
	<i>Planking and strutting</i>				
G	Allow for maintaining and supporting sides of excavations and for keeping the same free from fallen materials		Item		
	Carried to Collection			KShs	
	<p><i>Section No. 5</i></p> <p><i>Bill No. 3</i></p> <p><i>SUBSTRUCTURES</i></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	Keeping excavations free of water				
A	Allow for keeping excavations free of water and mud by pumping, bailing or other approved means		Item		
	FILLING				
	Hardcore				
	Approved hardcore or other equal and approved base material in making up levels.				
B	300 mm thick; depositing and compacting in layers maximum 150 mm thick.	S.M	8		
C	Over 300 mm thick; depositing and compacting in layers maximum 150 mm thick.	C.M	8		
	Stone or quarry dust				
	Blinding surfaces of fill				
D	50 mm thick	S.M	10		
	ANTI TERMITE AND HERBICIDE TREATMENT				
	Treat the top surface of all hardcore and aggregate filling and top of walls with Bayer Premise 200 SC or other equal and approved anti - termite; application to be carried out in strict accordance with manufacturers printed instructions; subject to a ten year guarantee certificate endorsed by the manufacturer;				
E	Surfaces of blinded hardcore. and tops of foundation walls	S.M	10		
	Carried to Collection			KShs	
	Section No. 5				
	Bill No. 3				
	SUBSTRUCTURES				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
	<i>Copyright Paramount Project Consultants Ltd</i>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>CONCRETE WORK</u>				
	<i>INSITU CONCRETE: PLAIN</i>				
	<u>Normal; class 15/40mm; Vibrated</u>				
	<i>Blinding under strip footing</i>				
A	50 mm thick	S.M	87		
	<i>Blinding under column bases</i>				
B	50 mm thick	S.M	5		
	<u>INSITU CONCRETE : REINFORCED</u>				
	<u>Normal; class 25/20mm; Vibrated</u>				
	<i>Foundations in trenches; Irrespective of thickness</i>				
C	Generally	C.M	17		
	<i>Column bases</i>				
D	Generally	C.M	1		
	<i>Columns; vertical or sloping exceeding 15 degrees from the horizontal</i>				
E	Generally	C.M	0.4		
	<i>150 mm thick horizontal bed;</i>				
F	Generally	S.M	10		
	Carried to Collection			KShs	
	Section No. 5 Bill No. 3 SUBSTRUCTURES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<i>Bars; high yield steel; hot rolled deformed steel (Ribbed Steel) manufactured to BS 4449: 2005 GRADE 500 including bends, hooks, tying wire, distance blocks, and spacers</i>				
	<i>In any location</i>				
A	16 mm Diameter	KGS	57		
B	12 mm Diameter	KGS	64		
C	10 mm Diameter	KGS	638		
D	8 mm Diameter	KGS	13		
	<u>Fabric: B.S. 4483</u>				
	<i>Reference A142; mesh 200 x 200 mm weight 2.22 kgs per square meter (measured net - no allowance made for laps); including bends, tying wire and distance blocks</i>				
E	In concrete ground floor bed	S.M	10		
	<u>FORMWORK TO INSITU CONCRETE</u>				
	<u>Sawn formwork generally</u>				
	<i>Edges of ground floor bed</i>				
F	150 to 225 mm wide	L.M	145		
	<i>Sides; vertical or battering</i>				
G	Column bases	S.M	4		
H	Columns or the like	S.M	6		
	Carried to Collection			KShs	
	<i>Section No. 5</i>				
	<i>Bill No. 3</i>				
	SUBSTRUCTURES				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>WALLING</u>				
	<u>(NATURAL STONE WORK)</u>				
	<i>Approved local stone with a compressive strength of 7N/mm²; roughly squared; bedding and jointing in cement mortar(1:3) laid in regular courses</i>				
	<i>Foundation walls in trenches</i>				
A	200 mm thick; reinforced with 50 mm wide x 1.6 mm thick hoop iron in every alternative course	S.M	268		
	<u>DAMP PROOF MEMBRANES</u>				
	<i>1000 gauge polythene sheeting; 150 mm laps; No allowance made for laps; Horizontal; 2 No of layer(s)</i>				
B	Over 300 mm wide; bedded in cement mortar (1:3).	S.M	10		
	<u>DAMP PROOF COURSES</u>				
	<i>Three ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured net allow for laps)</i>				
C	200 mm wide; bedded in cement sand mortar (1:3); Horizontal	L.M	145		
	<u>PLINTH</u>				
	<i>Render; 9 mm (minimum) first coat of cement and sand (1:3); 3 mm second coat of cement and lime putty (1:5) wood floated</i>				
D	Plinths; External	S.M	119		
	Carried to Collection			KShs	
	Section No. 5 Bill No. 3 SUBSTRUCTURES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p><u>PAINTING AND DECORATING</u></p> <p><i>Three Coats Black Bituminous Paint; External Quality; to Crown Berger (K) Ltd or equal and approved</i></p> <p><i>Wood floated rendered surfaces</i></p> <p>Plinths; rendered Concrete or Stone Surfaces; External</p>	S.M	119		
B	<p><u>MAKING GOOD EXISTING GROUND & FIRST FLOOR SLAB</u></p> <p>Allow a provisional sum amounting to Kenya Shillings Two Hundred and Fifty Thousand (KShs250,000.00) for making good existing ground and first floor slab and for all necessary repairs to existing disturbed slabs with Concrete class 25/20 mm including for all necessary reinforcement and formwork and preparing surfaces to receive new works all to the Project Engineer's satisfaction</p>		Item		250,000.00
	<p style="text-align: center;">Carried to Collection</p> <p><i>Section No. 5</i> <i>Bill No. 3</i> SUBSTRUCTURES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>			KShs	

<p>Section No. 5</p>				
<p>Bill No. 3</p>				
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		<p>5/10</p>		<p>-----</p>
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<p>Carried Forward to Summary of Section No. 5</p>			<p>KShs</p>	
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<p>SUBSTRUCTURES</p>				
<p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	SECTION NO. 5				
	BUILDERS WORK				
	BILL NO. 4				
	FRAME				
	INSITU CONCRETE; REINFORCED				
	Normal; class 25/20mm : Vibrated				
	Beams				
A	Beams; horizontal or sloping not exceeding 15 degrees from horizontal	C.M	68		
B	Ditto Lintels	C.M	2		
	Columns				
C	Columns; vertical or sloping exceeding 15 degrees from horizontal	C.M	12		
D	Column Jackets infilled with FORSOC Contextra HF Cementations grout jacketing material mixed and placed in strict accordance with the manufactures printed instructions	C.M	12		
	EPS FLOORS				
E	260 mm thick EPS Panel	S.M	453		
F	100 mm thick Concrete topping	S.M	453		
G	Ribs (120 mm x 150 mm deep at 600 mm centres)	C.M	22		
	Carried to Collection			KShs	
	Section No. 5 Bill No. 4 FRAME Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<i>Carefully expose existing reinforcement; allow for tying in new reinforcement; make good any disturbed surfaces and prepare surfaces to receive new works all to the Structural Engineers details and Instructions</i>				
A	Generally in assorted locations; Surface of Concrete Columns	S.M	124		
	REINFORCEMENT (PROVISIONAL)				
	<i>Bars; high yield steel; hot rolled deformed steel (Ribbed Steel) manufactured to BS 4449: 2005 GRADE 500 including bends, hooks, tying wire, distance blocks, and spacers</i>				
B	25 mm Diameter	KGS	6,679		
C	20 mm Diameter	KGS	3,320		
D	16 mm Diameter	KGS	19,269		
E	12 mm Diameter	KGS	534		
F	10 mm Diameter	KGS	34		
G	8 mm Diameter	KGS	7,197		
	Fabric; B.S. 4483				
	<i>Reference A142; mesh 200 x 200 mm weight 2.22 kgs per square meter (measured net - no allowance made for laps); including bends, tying wire and distance blocks</i>				
H	EPS Panel; Suspended Floor	S.M	541		
	Carried to Collection			KShs	
	Section No. 5				
	Bill No. 4				
	FRAME				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
	<i>Copyright Paramount Project Consultants Ltd</i>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	FORMWORK TO INSITU CONCRETE				
	Wrot formwork generally				
	To vertical or battering sides				
A	Columns or the like	S.M	374		
	To sides and soffits				
B	Beams or the like; Horizontal	S.M	598		
C	Lintels or the like; Horizontal	S.M	7		
D	Edges of Slab	S.M	156		
	Soffits of EPS panels, roofs and the like				
E	Soffits of EPS Panels or the like; Horizontal; exceeding 3.5 metres but not 5.0 meters	S.M	541		
	Carried to Collection			KShs	
	<p>Section No. 5 Bill No. 4 FRAME Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>				

<p>Section No. 5</p> <p>Bill No. 4</p> <p>FRAME</p> <p><u>COLLECTION</u></p>				
		<p>Page No</p>		<p>Amount Kshs</p>
<p>Total Brought Forward from Page No.</p>		<p>5/13</p>		
		<p>5/14</p>		
		<p>5/15</p>		
<p>Carried Forward to Summary of Section No. 5</p>			<p>KShs</p>	
<p>Section No. 5 Bill No. 4 FRAME Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>SECTION NO. 5</u>				
	<u>BUILDERS WORK</u>				
	<u>BILL NO. 5</u>				
	<u>STAIRS AND ASSOCIATED FINISHES</u>				
	<u>INSITU CONCRETE: REINFORCED</u>				
	<u>Normal :class 25/20mm: Vibrated</u>				
A	Steps, staircases or strings	C.M	8		
B	150 mm thick concrete landings	S.M	23		
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<i>Bars; high yield steel; hot rolled deformed steel (Ribbed Steel) manufactured to BS 4449: 2005 GRADE 500 including bends, hooks, tying wire, distance blocks, and spacers</i>				
C	12 mm Diameter	KGS	500		
D	10 mm Diameter	KGS	220		
	<u>FORMWORK TO INSITU CONCRETE</u>				
	<u>Wrot formwork generally</u>				
	<i>Risers of steps and staircases</i>				
E	Girth 150 mm to 225 mm	L.M	116		
	<i>Edges of strings of staircases</i>				
F	300 mm wide including cutting to profile of treads	L.M	18		
	Carried to Collection			KShs	
	<p><i>Section No. 5</i> <i>Bill No. 5</i> STAIRS AND ASSOCIATED FINISHES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	To edges of suspended floor slab				
A	Girth 150 mm to 225 mm	L.M	21		
	To soffits; horizontal				
B	Landing	S.M	23		
	Soffits; sloping				
C	Waists of stairs and the like	S.M	35		
	BALUSTRADING				
	METALWORK; ROLLED PLATES, BARS, SECTIONS AND TUBES				
	Mild steel ; K.S. 02 - 18 ; All welded				
	Staircase				
	Wrought Iron including welding together, grinding all welds smooth and painting with red oxide primer before delivery to site				
D	50 mm x 3 mm CHS mild steel handrail welded to vertical baluster (m/s)	L.M	34		
E	30 mm diameter x 2 mm thick CHS vertical baluster 900 mm long with one end sealed and ground smooth and other end fish- tailed and built into concrete slab	NO.	57		
F	25 mm diameter x 2 mm thick CHS intermediate members, 650mm long welded to top flat and bottom rail (m.s)	NO.	114		
G	30 mm diameter x 2 mm thick CHS mild steel top and bottom rail butt welded to balusters (m/s)	L.M	34		
	Carried to Collection			KShs	
	Section No. 5				
	Bill No. 5				
	STAIRS AND ASSOCIATED FINISHES				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>CONCRETE UPSTAND</u>				
	<u>Normal; class 20/20mm; Vibrated</u>				
A	200 mm wide x 200 mm high concrete upstand; complete with all necessary reinforcement and formwork; including for plastering and painting; All to Architect's Instruction and Approval	L.M	99		
	<u>Passage</u>				
	<i>Wrought Iron including welding together, grinding all welds smooth and painting with red oxide primer before delivery to site</i>				
B	50 mm x 3 mm CHS mild steel handrail welded to vertical baluster (m/s)	L.M	101		
C	30 mm diameter x 2 mm thick CHS vertical baluster 900 mm long with one end sealed and ground smooth and other end fish- tailed and built into concrete slab	NO.	169		
D	25 mm diameter x 2 mm thick CHS intermediate members, 650mm long welded to top flat and bottom rail (m.s)	NO.	337		
E	30 mm diameter x 2 mm thick CHS mild steel top and bottom rail butt welded to balusters (m/s)	L.M	101		
	<u>TILES FINISHES</u>				
	<i>Supply and fix approved Rustic Ceramic Floor Tiles; to regular pattern; to regular pattern; bedding and jointing in cement mortar (1:3) grouting joints with proprietary grouting laid on cement sand bed (m/s); (P. C. Rates for supply KShs. 2,000.00 per S,M);Tenderers to allow for supply of the necessary approved adhesive/cement as specified by the Manufacturer transportation, cutting, and fixing costs e.t.c</i>				
	Carried to Collection			KShs	
	Section No. 5				
	Bill No. 5				
	STAIRS AND ASSOCIATED FINISHES				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	8 mm thick; butt joints strait both ways; to cement and sand base (m/s); generally to				
A	Treads; 300 mm wide	L.M	180		
B	Risers; 150 mm wide	L.M	196		
C	Landing	S.M	42		
D	Extra; Aluminium edge strip fixed to edge of tile (m/s) all as per manufacturer's printed instructions	L.M	180		
E	100 mm high x 10 mm tile skirting; rounded junction with wall finish and coved junction with floor; external	L.M	83		
	<u>BEDS OR BACKINGS</u>				
	<u>Screed ; Cement sand backing (1:3)</u>				
	32 mm thick one coat beds; wood floated; to receive ceramic tiles (m/s); to concrete or block work base; generally to				
F	Treads; 300 mm wide; internal	L.M	180		
G	Risers; 150 mm high; internal	L.M	196		
H	Landing	S.M	42		
	<u>INSITU FINISHES</u>				
	<u>Ceiling Finishes</u>				
	Plaster; 9 mm (minimum) first coat of cement and sand (1:3); 3 mm second coat of cement and lime putty (1:5) steel trowelled hard and smooth				
J	Soffits of stairs; sloping; internal	S.M	65		
K	Soffits of landing; horizontal; internal	S.M	42		
	Carried to Collection				
				KShs	
	Section No. 5 Bill No. 5 STAIRS AND ASSOCIATED FINISHES Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	To open strings of staircases; girth 225 mm to 300mm; internal	L.M	34		
	PAINTING AND DECORATING				
	<i>Prepare and apply two coats of cement based skimming coat as per as per Basco Products (Kenya) Ltd or other equal and approved cement based skimmer; applied in strict accordance with manufacturers printed instruction; Prepare and apply one coat Duracoat all purpose undercoat; two coats of Duracoat Royal silk vinyl as per Basco Products (Kenya) Ltd or other equal and approved paint; approved colour; applied in strict accordance with manufacturer's printed instructions</i>				
	<i>Steel trowelled plastered surfaces</i>				
B	Soffits of stairs; sloping; internal	S.M	65		
C	Soffits of landing; horizontal; internal	S.M	42		
D	Open strings of staircases; girth 225 mm to 300mm; internal	L.M	34		
	<i>Prepare and apply Two coats Dura coat Super Gloss Enamel (1st quality Premium) as per Basco Products (Kenya) Ltd or other equal and approved manufacturer(s) applied in accordance with manufacturer's printed instruction to:-</i>				
	Balustrading				
E	Metal surfaces; both sides	S.M	244		
	Carried to Collection			KShs	
	<i>Section No. 5</i>				
	<i>Bill No. 5</i>				
	STAIRS AND ASSOCIATED FINISHES				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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<p><i>Section No. 5</i></p> <p><i>Bill No. 5</i></p> <p><i>STAIRS AND ASSOCIATED FINISHES</i></p> <p><u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>		<p><i>Page No</i></p>		<p><i>Amount Kshs</i></p>
		<p>5/17</p>		<p>-----</p>
		<p>5/18</p>		<p>-----</p>
		<p>5/19</p>		<p>-----</p>
		<p>5/20</p>		<p>-----</p>
		<p>5/21</p>		<p>-----</p>
<p>Carried Forward to Summary of Section No. 5</p>			<p>KShs</p>	
<p><i>Section No. 5</i></p> <p><i>Bill No. 5</i></p> <p><i>STAIRS AND ASSOCIATED FINISHES</i></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>SECTION NO. 5</u>				
	<u>BUILDERS WORK</u>				
	<u>BILL NO. 6</u>				
	<u>RAMPS AND ASSOCIATED FINISHES</u>				
	<u>INSITU CONCRETE : REINFORCED</u>				
	<u>Normal :class 25/20mm : Vibrated</u>				
	<i>Beams</i>				
A	Beams; horizontal or sloping not exceeding 15 degrees from horizontal	C.M	9		
B	150 mm thick concrete landings	S.M	22		
	<i>Ramp</i>				
C	200 mm thick; sloping not exceeding 15 degrees from the horizontal; 50 mm thick top layer power float finish treated with Sika Floor Cure Hard 24 or other equal and approved hardener applied to manufacturer's printed instructions	S.M	118		
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<i>Bars; high yield steel; hot rolled deformed steel (Ribbed Steel) manufactured to BS 4449: 2005 GRADE 500 including bends, hooks, tying wire, distance blocks, and spacers</i>				
D	16 mm Diameter	KGS	1,318		
E	12 mm Diameter	KGS	1,365		
F	10 mm Diameter	KGS	481		
G	8 mm Diameter	KGS	353		
	Carried to Collection			KShs	
	Section No. 5 Bill No. 6 RAMPS AND ASSOCIATED FINISHES Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>FORMWORK TO INSITU CONCRETE</u>				
	<u>Wrot formwork generally</u>				
	<i>To soffits; horizontal</i>				
A	Landing	S.M	22		
	<i>Soffits; sloping</i>				
B	Waists of ramp and the like	S.M	118		
	<i>Sides and soffits</i>				
C	Beams or the like; Horizontal	S.M	114		
	<u>INSITU FLOOR FINISHES</u>				
	<u>Terrazzo; cement and marble chippings (1:3); washed</u>				
	<i>50 mm thick 2 No. coat work to existing screed bed or backing (m/s) including hacking existing surface to receive screed; generally to</i>				
D	Floors; horizontal; internal	S.M	221		
E	Landing; horizontal; internal	S.M	42		
F	100 mm high x 10 mm Terrazzo; rounded junction with wall finish and coved junction with floor; internal	L.M	292		
G	Dividing strips; PVC; 20 mm x 3 mm; setting in mortar	L.M	74		
H	Extra ; non slip inserts; carborundum; 50 mm wide x 25 mm deep; comprising of 1.6 mm galvanised metal infilled with appropriated blend of heavy duty aggregate and resin; all to the Architects details and instructions	L.M	184		
	Carried to Collection			KShs	
	Section No. 5				
	Bill No. 6				
	RAMPS AND ASSOCIATED FINISHES				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>BEDS OR BACKINGS</u>				
	<u>Screed; cement and sand (1:3)</u>				
	<i>20 mm thick one coat beds; wood floated; to receive terrazzo floor (m/s); to concrete or block work base; generally to</i>				
A	Floors; horizontal; internal	S.M	221		
B	Landing; horizontal; internal	S.M	42		
	<u>CEILING FINISH</u>				
	<u>INSITU FINISHES</u>				
	<i>Plaster; 15 mm (minimum) coat of cement and sand (1:3); steel trowelled hard and smooth</i>				
C	Soffits of ramp; sloping; internal	S.M	221		
D	Soffits of landing; sloping; internal	S.M	42		
E	Beams; vertical; internal	S.M	161		
F	Open strings of ramps; girth 225 mm to 300mm; internal	L.M	127		
	<u>PAINTING AND DECORATING</u>				
	<i>Prepare and apply two coats of cement based skimming coat as per as per Basco Products (Kenya) Ltd or other equal and approved cement based skimmer; applied in strict accordance with manufacturers printed instruction; Prepare and apply one coat Duracoat all purpose undercoat; two coats of Duracoat Royal silk vinyl as per Basco Products (Kenya) Ltd or other equal and approved paint; approved colour; applied in strict accordance with manufacturer's printed instructions</i>				
	Carried to Collection				KShs
	<p><i>Section No. 5</i> <i>Bill No. 6</i> RAMPS AND ASSOCIATED FINISHES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<i>Steel trowelled plastered surfaces</i>				
A	Soffits of ramp; sloping; internal	S.M	221		
B	Soffits of landing; sloping; internal	S.M	42		
C	Beams; vertical; internal	S.M	161		
D	Open strings of ramps; girth 225 mm to 300mm; internal	L.M	127		
	<u>NATURAL STONWORK</u>				
	<i>Approved local stone with a compressive strength of 7N/mm²; squared; machine dressed bedding, jointing in cement mortar (1:3); laid in regular courses</i>				
E	200 mm thick; reinforced with 50 mm wide x 1.6 mm thick hoop iron in every alternative course	S.M	115		
	<u>INSITU FINISHES</u>				
	<i>Plaster; 9 mm (minimum) first coat of cement and sand (1:3); 3 mm second coat of cement and lime putty (1:5) steel floated hard and smooth</i>				
F	Walls; vertical; internal	S.M	255		
	<u>PAINTING AND DECORATING</u>				
	<i>Prepare and apply two coats of cement based skimming coat as per as per Basco Products (Kenya) Ltd or other equal and approved cement based skimmer; applied in strict accordance with manufacturers printed instruction; Prepare and apply one coat Duracoat all purpose undercoat; two coats of Duracoat Royal silk vinyl as per Basco Products (Kenya) Ltd or other equal and approved paint; approved colour; applied in strict accordance with manufacturer's printed instructions</i>				
	Carried to Collection				KShs
	Section No. 5				
	Bill No. 6				
	RAMPS AND ASSOCIATED FINISHES				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p>Steel trowelled plastered surfaces</p> <p>Walls; vertical; internal</p>	S.M	255		
	<p>BALUSTRADES</p> <p>ROLLED PLATES, BARS, SECTIONS AND TUBES</p> <p>Handrail; including for fixing cleats and other accessories ; all fixed in accordance to architects detail drawing</p>				
B	<p>Purpose made; comprising 50 mm diameter CHS with 25 mm diameter x 100 mm long x 2 mm thick curved/Strait support fixed to wall at 600 mm centres fixing with all necessary accessories including for cover plates, cleats, caps, sleeves etc; fixed by a specialist; all to the Architects approval and instruction</p>	L.M	292		
	<p>PAINTING AND DECORATING</p> <p>Prepare and apply Two coats Duracoat Super Gloss Enamel (1st quality Premium) as per Basco Products (Kenya) Ltd or other equal and approved manufacturer(s) applied in accordance with manufacturer's printed instruction to:-</p> <p>To steel balustrade surfaces</p>				
C	<p>Metal surfaces; both sides</p>	S.M	87		
	<p>Carried to Collection</p>			KShs	
	<p>Section No. 5 Bill No. 6 RAMPS AND ASSOCIATED FINISHES Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>				

<p><i>Section No. 5</i></p> <p><i>Bill No. 6</i></p> <p>RAMPS AND ASSOCIATED FINISHES</p> <p><u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>		<p>Page No</p>		<p>Amount Kshs</p>
		<p>5/23</p>		<p>-----</p>
		<p>5/24</p>		<p>-----</p>
		<p>5/25</p>		<p>-----</p>
		<p>5/26</p>		<p>-----</p>
		<p>5/27</p>		<p>-----</p>
<p>Carried Forward to Summary of Section No. 5</p>			<p>KShs</p>	
<p><i>Section No. 5</i></p> <p><i>Bill No. 6</i></p> <p>RAMPS AND ASSOCIATED FINISHES</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p>SECTION NO. 5</p> <p>BUILDERS WORK</p> <p>BILL NO. 7</p> <p>EXTERNAL WALLING</p> <p>NATURAL STONEMWORK</p> <p><i>Approved local stone with a compressive strength of 7N/mm²; squared; machine dressed bedding, jointing in cement mortar (1:3); laid in regular courses</i></p>				
A	<p>200 mm thick; reinforced with 50 mm wide x 1.6 mm thick hoop iron in every alternative course</p>	S.M	1,015		
	<p>KEYING</p> <p><i>Extra over 200 mm thick natural stone wall for key pointing to achieve neat recessed horizontal and vertical joints</i></p>				
B	<p>Walls; vertical; external</p>	S.M	772		
	<p>LOUVRES</p> <p><i>Approved Louvres ; jointing in cement mortar (1:4); laid in regular courses in cement sand mortar (1:3)</i></p>				
C	<p>200 mm thick;</p>	S.M	127		
	<p>Carried Forward to Summary of Section No. 5</p> <p><i>Section No. 5</i></p> <p><i>Bill No. 7</i></p> <p>EXTERNAL WALLING</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>			KShs	

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p><u>SECTION NO. 5</u></p> <p><u>BUILDERS WORK</u></p> <p><u>BILL NO. 8</u></p> <p><u>INTERNAL WALLING</u></p> <p><u>NATURAL STONEMWORK</u></p> <p><i>Approved local stone with a compressive strength of 7N/mm²; squared; machine dressed bedding, jointing in cement mortar (1:3); laid in regular courses</i></p> <p>200 mm thick; reinforced with 50 mm wide x 1.6 mm thick hoop iron in every alternative course</p>	S.M	507		
	<p>Carried Forward to Summary of Section No. 5</p> <p><i>Section No. 5</i></p> <p><i>Bill No. 8</i></p> <p>INTERNAL WALLING</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>			KShs	

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 5</u></p> <p><u>BUILDERS WORK</u></p> <p><u>BILL NO. 9</u></p> <p><u>ROOF STRUCTURE AND ASSOCIATED FINISHES</u></p> <p><u>CORRUGATED OR TROUGHED SHEET ROOFING</u></p> <p><u>Galvanized Steel; corrugated sheet; 26 gauge; pre-painted</u></p> <p><i>Crimpled roof covering; fixed to purlins (m/s) at approved spacing with galvanized steel hook bolts, nuts neoprene washers and caps; corrugated side laps</i></p> <p>A Roof covering not exceeding 45 degrees from horizontal including all necessary fixtures</p> <p><u>JOINERY</u></p> <p><u>EAVES BOARDING</u></p> <p><u>uPVC Eaves boarding as described in:-</u></p> <p><i>25 mm thick x 100 mm wide tongued and grooved boarding to profile of roof covering fixed to and including 50 mm x 50 mm wrot cypress timber bandering at 500 mm centres both ways; including for 25 mm x 25 mm cornice all round both sides; all to Architects details</i></p> <p>B Eaves; external</p> <p><i>Fascia boards cut to shape</i></p> <p>C 200 mm x 25 mm</p>				
	Carried to Collection			KShs	
	<p><i>Section No. 5</i></p> <p><i>Bill No. 9</i></p> <p>ROOF STRUCTURE AND ASSOCIATED FINISHES</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>CARPENTRY</u></p> <p><u>NOTES</u></p> <p>A) Cost of structural timber measured herein and here before to include for all connections including bolts, connection plates, scarfed joints, hoop irons etc</p> <p>B) All timber used are seasoned, structural graded timber to requirement of KS 02-771:1991</p> <p>C) Softwood graded for structural use to have a minimum permissible stress of 4.5 N per square millimeter</p> <p><u>STRUCTURAL STEEL WORKS</u></p> <p><u>The following in mild steel to BS 4360 with bolted and welded connections including hoisting and fixing in position</u></p> <p><i>The price of the following steel work to include supply and fix, cutting, hoisting, fixing in position including requisite erection staying in of steel work. No allowance would be made for rolling margins. Allow for maintaining steel work in position until roof covering is fixed, including provision, maintainance and removal of suitable struts and stays. All steel work once shop primed before delivery to site.</i></p>				
A	150 mm x 50 mm x 3 mm RHS Rafter 9.43 Kg/L.M	L.M	170		
B	75 mm x 50 mm x 3 mm RHS Rafter 5.895 Kg/L.M	L.M	865		
	Carried to Collection				
	<p><i>Section No. 5</i></p> <p><i>Bill No. 9</i></p> <p>ROOF STRUCTURE AND ASSOCIATED FINISHES</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>			KShs	

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	50 mm x 50 mm x 3 mm SHS Ties and Struts; 4.72 Kg/L.M	L.M	528		
B	152.8 mm x 50.8 mm x 19 mm x 2 mm thick Z purlin; 4.62 Kg/L.M	L.M	1,035		
<u>STRUCTURAL STEEL WORK SUNDRY ITEMS</u>					
C	Allowance for gusset plates, brackets, bolted connections, etc all to the above structure (20% of total weight allowed)(Provisional)	KGS	2,795		
<u>PAINTING AND DECORATING</u>					
D	Surfaces of all the foregoing steelwork	KGS	13,977		
E	Ditto plates,bolts,connections surfaces	KGS	2,795		
<u>RAIN WATER DISPOSAL</u>					
<u>26 Gauge galvanised plain sheet metal bent, welded joints with and including steel brackets and hangers all in accordance with the detailed drawings</u>					
F	450 mm girth gutter fixed to fascia with and including steel brackets and hangers all in accordance with the detailed drawings	L.M	90		
<u>uPVC pipes and fittings</u>					
G	100 mm x 75 mm uPVC round down pipe; approved gauge; allow for all necessary fitting including for uPVC round down pipe half round clips at appropriate centres; all fixed to the Architects approval	L.M	76		
H	uPVC round down pipe adjustable offset	NO.	7		
J	uPVC round down pipe shoe	NO.	7		
K	uPVC round down pipe adaptor	NO.	7		
Carried to Collection				KShs	
Section No. 5					
Bill No. 9					
ROOF STRUCTURE AND ASSOCIATED FINISHES					
Proposed Completion of Lecture Theatre III Annex (Phase I)					
Copyright Paramount Project Consultants Ltd					

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>PAINTING AND DECORATING</u>				
	<i>Prepare and apply one coat Dura coat aluminium wood primer as per Basco Products (Kenya) Ltd or other equal and approved manufacturer(s) on back of timber before fixing on:-</i>				
	<i>Wood surfaces; before fixing</i>				
A	Fascia board; 200 mm to 300 mm girth; external	L.M	90		
	<i>Prepare and apply Three coats Dura coat Super Gloss Enamel (1st Quality Premium) as per Basco Products (Kenya) Ltd or other equal and approved manufacturer(s); applied in accordance with manufacturer's printed instruction to:-</i>				
	<i>Wood Surfaces</i>				
B	Fascia board; 200 mm to 300 mm girth; external	L.M	90		
	<u>INSITU FINISHES</u>				
	<i>Render; 9 mm (minimum) first coat of cement and sand (1:4); 3 mm second coat of cement and lime putty (1:5) wood floated</i>				
C	Walls; vertical; external	S.M	266		
	<u>COPING</u>				
D	300 mm x 65 mm thick (average) precast concrete coping weathered and throated; bedded and jointed to wall (m/s) with cement sand mortar mix (1:4)	L.M	266		
	Carried to Collection			KShs	
	<p><i>Section No. 5</i> <i>Bill No. 9</i> ROOF STRUCTURE AND ASSOCIATED FINISHES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>				

<p>Section No. 5</p> <p>Bill No. 9</p> <p>ROOF STRUCTURE AND ASSOCIATED FINISHES</p> <p><u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>		<p>Page No</p>		<p>Amount Kshs</p>
		<p>5/31</p>		<p>-----</p>
		<p>5/32</p>		<p>-----</p>
		<p>5/33</p>		<p>-----</p>
		<p>5/34</p>		<p>-----</p>
<p>Carried Forward to Summary of Section No. 5</p>			<p>KShs</p>	<p>-----</p>
<p>Section No. 5</p> <p>Bill No. 9</p> <p>ROOF STRUCTURE AND ASSOCIATED FINISHES</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>SECTION NO. 5</u>				
	<u>BUILDERS WORK</u>				
	<u>BILL NO. 10</u>				
	<u>EXTERNAL WALL FINISHES</u>				
	<u>INSITU FINISHES</u>				
	<i>Render; 12 mm (minimum) first coat of cement and sand (1:3); 3 mm second coat of cement and lime putty (1:5) wood floated</i>				
A	Walls; vertical; external	S.M	476		
B	Beams; vertical; external	S.M	344		
C	Columns; vertical; external	S.M	67		
D	Reveals of walls; 100 mm to 200 mm girth; external	L.M	331		
	<u>PAINTING AND DECORATING</u>				
	<u>One coat Dura coat Universal Undercoat approved colour; two coat Dura coat Royale 100% pure Acrylic outdoor protector as per Basco Products (Kenya) Ltd or other equal and approved paint; approved colour; applied in strict accordance with manufacturer's printed instructions</u>				
	<i>Wood floated rendered surfaces</i>				
E	Walls; vertical; external	S.M	470		
F	Beams; vertical; external	S.M	344		
G	Columns; vertical; external	S.M	67		
H	Reveals of walls; 100 mm to 200 mm girth; external	L.M	331		
	Carried Forward to Summary of Section No. 5			KShs	
	Section No. 5 Bill No. 10 EXTERNAL WALL FINISHES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 5</u></p> <p><u>BUILDERS WORK</u></p> <p><u>BILL NO. 11</u></p> <p><u>INTERNAL WALL FINISHES</u></p> <p><u>INSITU FINISHES</u></p> <p><i>Plaster; 15 mm (minimum) first coat of cement and sand (1:3); steel floated hard and smooth; generally to</i></p>				
A	Walls; vertical; internally	S.M	2,060		
B	Beams; vertical; internally	S.M	93		
C	Ditto reveals of walls; 100 mm to 200 mm girth; internal	L.M	699		
	<p><u>PAINTING AND DECORATING</u></p> <p><i>Prepare and apply two coats of cement based skimming coat as per as per Basco Products (Kenya) Ltd or other equal and approved cement based skimmer; applied in strict accordance with manufacturers printed instruction; Prepare and apply one coat Duracoat all purpose undercoat; two coats of Duracoat Royal silk vinyl as per Basco Products (Kenya) Ltd or other equal and approved paint; approved colour; applied in strict accordance with manufacturer's printed instructions</i></p> <p><i>Steel trowelled plastered surfaces</i></p>				
D	Walls; vertical; internal	S.M	2,060		
E	Beams; vertical; internal	S.M	93		
F	Reveals of walls; 100 mm to 200 mm girth; internal	L.M	699		
	Carried Forward to Summary of Section No. 5			KShs	
	<p><i>Section No. 5</i></p> <p><i>Bill No. 11</i></p> <p><u>INTERNAL WALL FINISHES</u></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p>SECTION NO. 5</p> <p>BUILDERS WORK</p> <p>BILL NO. 12</p> <p>FLOOR FINISHES</p> <p>CERAMIC TILES</p> <p><i>Supply and fix approved non-slip ceramic floor tiles; to regular pattern; bedding and jointing in cement mortar (1:3) grouting joints with proprietary grouting laid on cement sand bed (m/s); (P. C. Rates for supply KShs. 2,000.00 per S,M);Tenderers to allow for supply of the necessary approved adhesive/cement as specified by the Manufacturer transportation, cutting, and fixing costs e.t.c</i></p> <p><i>8 mm thick; butt joints strait both ways; to cement and sand base (m/s); generally to</i></p>				
A	Floors; horizontal; internal	S.M	1,060		
B	100 mm high x 10 mm ceramic Skirting; rounded junction with wall finish and coved junction with floor; internal	L.M	647		
	<p>BEDS OR BACKINGS</p> <p>Screed; cement and sand (1:3)</p> <p><i>32 mm thick one coat beds; wood floated; to receive ceramic tiles (m/s); to concrete or block work base; generally to</i></p>				
C	Floors; horizontal; internal	S.M	1,060		
	<p>Carried Forward to Summary of Section No. 5</p>				KShs
	<p><i>Section No. 5</i></p> <p><i>Bill No. 12</i></p> <p>FLOOR FINISHES</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 5</u></p> <p><u>BUILDERS WORK</u></p> <p><u>BILL NO. 13</u></p> <p><u>CEILING FINISHES</u></p> <p><u>INSITU FINISHES</u></p> <p><i>Plaster; 15 mm (minimum) coat of cement and sand (1:3); steel trowelled hard and smooth</i></p>				
A	Ceiling; horizontal; internal	S.M	788		
	<p><u>GYPSUM PLASTERBOARD</u></p> <p><i>Gypsum plasterboard fixed with screws to and including galvanized light weight steel frame wok suspended from concrete above with mild steel angle sections, perimeter channels, primary support channels, strap hangers connecting clips etc with joints skimmed with gypsum plaster including forming and curved cuttings</i></p>				
B	Ceiling; horizontal; internal	S.M	270		
C	Extra; access trap door 600 mm x 600 mm; 50 mm x 25 mm bearers	NO.	4		
	<p><u>GYPSUM CORNICE</u></p>				
D	150 mm x 25 mm moulded gypsum cornice as supplied by Classic Moulding Ltd fixed in accordance to manufacturers instructions	L.M	167		
	<p><u>PAINTING AND DECORATING</u></p>				
	Carried to Collection			KShs	
	<p><i>Section No. 5</i></p> <p><i>Bill No. 13</i></p> <p><u>CEILING FINISHES</u></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><i>Prepare and apply two coats of cement based skimming coat as per as per Basco Products (Kenya) Ltd or other equal and approved cement based skimmer; applied in strict accordance with manufacturers printed instruction; Prepare and apply one coat Duracoat all purpose undercoat; two coats of Duracoat Royal silk vinyl as per Basco Products (Kenya) Ltd or other equal and approved paint; approved colour; applied in strict accordance with manufacturer's printed instructions</i></p> <p><i>To steel trowelled plastered surfaces</i></p>				
A	<p>Ceiling; horizontal; internal</p>	S.M	788		
	<p><i>Prepare and apply one coat Duracoat Universal undercoat; two coats of Duracoat Vinyl Matt (1st Quality Premium) as per Basco Products (Kenya) Ltd or other equal and approved paint; approved colour; applied in strict accordance with manufacturer's printed instruction</i></p> <p><i>General surfaces of gypsum</i></p>				
B	<p>Plasterboard; including for Altek filler compound to joints, skimming etc; Ceiling; horizontal; internal</p>	S.M	270		
	<p>Carried to Collection</p>			KShs	
	<p><i>Section No. 5</i> <i>Bill No. 13</i> CEILING FINISHES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>				

<p>Section No. 5</p> <p>Bill No. 13</p> <p>CEILING FINISHES</p> <p><u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>		<p>Page No</p> <p>5/39</p>		<p>Amount Kshs</p>
		<p>5/40</p>		<p>-----</p> <p>-----</p>
<p>Carried Forward to Summary of Section No. 5</p>			<p>KShs</p>	
<p>Section No. 5</p> <p>Bill No. 13</p> <p>CEILING FINISHES</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 5</u></p> <p><u>BUILDERS WORK</u></p> <p><u>BILL NO. 14</u></p> <p><u>WINDOWS AND ASSOCIATED FINISHES</u></p> <p><u>PRECAST CONCRETE</u></p> <p><u>Normal; class 20/(20 mm); vibrated; surface fair finish</u></p> <p><u>Cills</u></p> <p>A 250 x 100 mm ; weathered and throated; reinforced as necessary for handling; bedding, jointing and pointing in cement mortar (1:4)</p> <p><u>BEDS OR BACKINGS</u></p> <p><u>12 mm thick one coat bed ; wood floated to receive Precast window cills (m/s) ; to concrete or block work base ; generally to</u></p> <p>B Window cills ; 200 mm to 300 mm wide</p>	L.M	60		
	Carried to Collection			KShs	
	<p><i>Section No. 5</i></p> <p><i>Bill No. 14</i></p> <p>WINDOWS AND ASSOCIATED FINISHES</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>PURPOSE MADE UNITS</u></p> <p>The Tenderer is advised to Price this works after carefully studying the attached Window Schedule</p> <p>The Window will match the existing Windows in the Complete Phase</p> <p><i>Supply and fix heavy duty mild steel window comprising of 25 x 25 mm x 2 mm thick SHS section frame built into wall complete with and including permanent ventilators full width comprising "T"-bars, gauze and metal hood, glass (m/s) secured to framing, stiles, top, middle and bottom rails using approved glazing strips and glazing beading including waterproofing all joints using approved silicon sealing compounds; supply and fix all necessary approved of ironmongery such as hinges, locking devices such as windows fasteners, stays locks, bolts etc; all necessary welding and grinding welds smooth; one coat metal primer by manufacturer; oiling and adjusting on completion; all to Architect's detail drawings and approval</i></p> <p><i>Steel; for glazing with putty; lugs to two jambs, cutting and pinning to concrete or stonework; fixing to head and sill with screws, plugging</i></p>				
A	<p>W01; Window overall size 1500 mm wide x 1800 mm high; with 2 No. 700 mm wide x 1200 mm high Sliding Panels; complete with locking device, sliding rails, glazing beads set in mastic or rubber; fixed to wall and concrete beams with plugs and screws; bedded and jointed all around in mastic, inside and outside</p>	NO.	40		
B	<p>W05; Window overall size 2200 mm wide x 1000 mm high; 2 No. 1000 mm wide x 900 mm high Top Hung Panel intermediate mullion complete with catch and stays, glazing beads set in mastic or rubber; fixed to wall and concrete beams with plugs and screws; bedded and jointed all around in mastic inside and outside</p>	NO.	24		
	<p style="text-align: center;">Carried to Collection</p> <p><i>Section No. 5</i> <i>Bill No. 14</i> WINDOWS AND ASSOCIATED FINISHES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>			KShs	

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p><u>GLAZING: GLASS IN OPENINGS</u></p> <p><i>5 mm thick clear plate glass to metal with metal putty glazing compound in panes</i></p> <p>Not exceeding 0.10 square metres</p>	S.M	108		
B	<p><u>METAL SURFACES</u></p> <p><i>Prepare and apply Three coats Dura coat Super Gloss Enamel (1st quality Premium) as per Basco Products (Kenya) Ltd or other equal and approved manufacturer(s) applied in accordance with manufacturer's printed instruction to:-</i></p> <p><i>Metal surfaces; both sides</i></p> <p>Window surfaces; both sides</p>	S.M	216		
Carried to Collection				KShs	
<p><i>Section No. 5</i> <i>Bill No. 14</i> WINDOWS AND ASSOCIATED FINISHES <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>					

<p>Section No. 5</p> <p>Bill No. 14</p> <p>WINDOWS AND ASSOCIATED FINISHES</p> <p><u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>		<p>Page No</p>		<p>Amount Kshs</p>
		<p>5/42</p>		<p>-----</p>
		<p>5/43</p>		<p>-----</p>
		<p>5/44</p>		<p>-----</p>
<p>Carried Forward to Summary of Section No. 5</p>			<p>KShs</p>	
<p>Section No. 5</p> <p>Bill No. 14</p> <p>WINDOWS AND ASSOCIATED FINISHES</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p><u>SECTION NO. 5</u></p> <p><u>BUILDERS WORK</u></p> <p><u>BILL NO. 15</u></p> <p><u>DOORS AND ASSOCIATED FINISHES</u></p> <p>As per details attached.</p> <p><u>PURPOSE MADE UNITS</u></p> <p><i>Mild steel glazed door; comprising 100 mm x 50 mm x 3 mm thick RHS frame fishtail grouted into concrete/block/masonry walling; with 50 mm x 25 mm x 3 mm thick RHS door stopper including for 25 mm x 25 mm x 2 mm SHS beading; with 1 No. door leaves comprising of 100 mm x 50 mm x 3 mm RHS top rail, middle rail, bottom rail and stiles ends welded and angles cut, mitred and welded; 3 No. 25 mm x 25 mm x 2 mm thick horizontal infills and 1 No. 25 mm x 25 mm x 2 mm thick vertical infill; faced both sides with 3 mm thick mild steel plate welded to frame; 1 No. viewer panel overall size 150 mm wide x 300 mm high infilled with 6 mm thick toughened glass to "Impala or other equal and approved fixed with and including 20 mm x 10 mm x 2 mm thick mild steel beading; all welding ground to a smooth finish and priming door with red oxide; all to architects instruction and approval</i></p> <p>MSD01; Unequal Double Door; Overall size 1400 wide mm x 2400 mm high; 1 No. door leaf 1000 mm x 2400 mm high; 1 No. door leaf 300 mm x 2400 mm high; including for 1 1/2 pairs 150 mm steel butt hinges; 1 No. 5 lever mortice deadlocks; complete with brass push/pull handles</p> <p><u>PAINTING AND DECORATING</u></p>	NO.	8		
Carried to Collection				KShs	
<p><i>Section No. 5</i></p> <p><i>Bill No. 15</i></p> <p><i>DOORS AND ASSOCIATED FINISHES</i></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>					

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p>Prepare and apply Two coats Duracoat Super Gloss Enamel (1st quality Premium) as per Basco Products (Kenya) Ltd or other equal and approved manufacturer(s) applied in accordance with manufacturer's printed instruction to:-</p>				
	<p>Doors</p>				
A	<p>Metal surfaces; both sides</p>	S.M	54		
	<p>IRONMONGERY</p>				
	<p>Supply and fix ironmongery; to be selected and approved by the architect and including for matching screws and all labours therewith as specified;</p>				
	<p>NOTE:All ironmongery to be in stainless steel finish</p>				
B	<p>5-Lever mortice lock complete with brass lever handles</p>	NO.	8		
C	<p>Flush bolts 200 mm SS</p>	NO.	8		
D	<p>Supply and fix Aluminium round floor or wall mounted door stopper (Cat No. DS 3322A)</p>	NO.	16		
	<p>Carried to Collection</p>			KShs	
	<p>Section No. 5 Bill No. 15 DOORS AND ASSOCIATED FINISHES Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</p>				

<p><i>Section No. 5</i></p> <p><i>Bill No. 15</i></p> <p><i>DOORS AND ASSOCIATED FINISHES</i></p> <p><u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>		<p><i>Page No</i></p>		<p><i>Amount Kshs</i></p>
		<p>5/46</p>		
		<p>5/47</p>		
<p>Carried Forward to Summary of Section No. 5</p>				
<p><i>Section No. 5</i></p> <p><i>Bill No. 15</i></p> <p><i>DOORS AND ASSOCIATED FINISHES</i></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>			<p>KShs</p>	

Bill No	SECTION SUMMARY - BUILDERS WORK	Page No		Amount Kshs
1	DEMOLITIONS AND DOWN TAKINGS	5/5		
2	SUBSTRUCTURES	5/12		
3	FRAME	5/16		
4	STAIRS AND ASSOCIATED FINISHES	5/22		
5	RAMPS AND ASSOCIATED FINISHES	5/28		
6	EXTERNAL WALLING	5/29		
7	INTERNAL WALLING	5/30		
8	ROOF STRUCTURE AND ASSOCIATED FINISHES	5/35		
9	EXTERNAL WALL FINISHES	5/36		
10	INTERNAL WALL FINISHES	5/37		
11	FLOOR FINISHES	5/38		
12	CEILING FINISHES	5/41		
13	WINDOWS AND ASSOCIATED FINISHES	5/45		
14	DOORS AND ASSOCIATED FINISHES	5/48		
	Carried to Final Summary			
	Section No. 5			
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>			
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			KShs	



SECTION NO. 6: ELECTRICAL AND POWER INSTALLATIONS

Section No. 6

SECTION COVER PAGE

Proposed Completion of Lecture Theatre III Annex (Phase I)

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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 6</u></p> <p><u>ELECTRICAL AND POWER INSTALLATIONS</u></p> <p><u>BILL NO. 2</u></p> <p><u>ELECTRICAL POWER AND LIGHTING INSTALLATIONS</u></p>				
A	Preparation of working drawings and "As installed" record drawings.		Item		
B	Printing of paper 4 copies of Working Drawings		Item		
C	Allow for user manuals 4 copies for the systems installed and trainings of Client Representatives.		Item		
	<p><u>LIGHTING</u></p> <p><u>Supply, install, test and commission the following:</u></p>				
D	Lighting points, wired in 3x1.5mm sq single core cables drawn inside 20mm dia.PVC heavy gauge conduits concealed in the floor and walls but without the outlet plate for one/two way switching	NO.	213		
	<p><i>Lighting fittings as shown in the drawings complete with control gears and lamps of colour temperature of 4000K:-(attach specification sheets)</i></p>				
E	34W, L1200 mm, 4100lm, 4000K philips CoreLine Batten as BN126C LED41S/840 WIA L1200	NO.	185		
F	External Bulkhead LED light fitting as Fumigali-Maddi HL	NO.	13		
G	Self illuminated Emergency Exit light with sign as RR or sapphire with arrows and signage for directions	NO.	15		
	Carried to Collection			KShs	
	<p>Section No. 6</p> <p>Bill No. 2</p> <p>ELECTRICAL POWER AND LIGHTING INSTALLATIONS</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	Lighting control accessories complete with wiring terminations and fixing materials. Provide rates for supply & fixing				
A	10A Two gang one way as - MK	NO.	8		
B	10A Two gang two way as - MK	NO.	8		
C	Photocell switch complete as thorn	NO.	1		
	POWER				
D	13A twin power points, wired in 3x2.5mm sq single core cables drawn inside 25mm dia.PVC heavy gauge conduits concealed in the floor and walls but without the outlet plate	NO.	91		
E	Water pump outlet points, wired in 3x 4mm sq single core cables enclosed and concealed in PVC conduits (approx 40m)	NO.	2		
	Supply and install power point accessories & equipment complete with associated wiring terminations & fixing materials				
F	13amps twin switched screwless power socket outlet plate in Ivory white finish and as Crabtree or MK	NO.	91		
G	20A DP screwless switch in Ivory white finish for hand drier/ac unit with neon indicator and as MK S8423 WHI	NO.	2		
	POWER DISTRIBUTION				
	Supply, install, test and commission the following:-				
H	Distribution Board DB "A" as per schematics as Schneider	NO.	8		
J	4C, 16mm2 Cu/PVC/SWA/PVC + 1C, 16mm2 ECC Cu/PVC/PVC cables for power distribution to DB "A"s	L.M	100		
	Carried to Collection			KShs	
	Section No. 6				
	Bill No. 2				
	ELECTRICAL POWER AND LIGHTING INSTALLATIONS				
	Proposed Completion of Lecture Theatre III Annex (Phase I)				
	Copyright Paramount Project Consultants Ltd				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	Cable glands and shroud for terminating 4C, 16mm ² Cu/PVC/SWA/PVC + 1C, 16mm ² ECC Cu/PVC/PVC cables	NO.	4		
	<u>DATA /CCTV & FIRE ALARM CABLE WAYS</u>				
	<i>Supply, install, test and commission the following:-</i>				
B	Data outlet point with draw wire left in 25mm dia. PVC heavy gauge conduits concealed in the floor and walls.	NO.	16		
C	HDMI outlet point with draw wire left in 32mm dia. PVC heavy gauge conduits concealed in the floor and walls complete with HDMI wall plate.	NO.	8		
D	CCTV outlet point with draw wire left in 25mm dia. PVC heavy gauge conduits concealed in the floor and walls.	NO.	12		
E	Fire alarm outlet point with draw wire left in 25mm dia. PVC heavy gauge conduits concealed in the floor and walls.	NO.	25		
F	125 x 125 x 50mm deep cable adaptable boxes complete with screwed cover plate over painted to approval.	NO.	4		
	<u>LIGHTENING ARRESTOR AS FURSE</u>				
G	25mm diameter air terminal spike complete with base	NO.	2		
H	20 x 3m copper tape	LM	100		
J	Bonding of copper tape to steel structure	NO.	4		
K	Allow for testing of resistivity of the soil		Item		
L	Test clamp	NO.	4		
M	Earthing the entire lightning installation	NO.	2		
	Carried to Collection			KShs	
	Section No. 6				
	Bill No. 2				
	ELECTRICAL POWER AND LIGHTING INSTALLATIONS				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>ADDRESSABLE FIRE ALARM INSTALLATION (attach catalogue)</u>				
	<i>Supply, install, test and commission the following</i>				
A	All detectors to be as MENVIER/PROTEC model numbers indicated. All detectors to be complete with mounting base; Fire alarm points, wired in 2 loops using 2C, 1.5mm2 screened cable FP200 drawn in 25mm diameter PVC heavy gauge conduits concealed in roof space and wall from control panel through the detectors.	NO.	45		
B	Optical smoke detectors as Protec 3000/OPHT complete with base plate as MAB800; The sensors to have the following features; soft addressed, with short circuit isolator, wide range sensing and 360 degrees visibility LED; The bases to have the following features; sensor shorting link, separate loop in and loop out terminus, stand off fixing feature, accepts side entry cables and selectable sensor locking feature	NO.	8		
C	Resettable Manual call button/Break glass units The call points to have the following features; Fast it clip on front cover, high visibility status LED with heavy duty terminals as Protec3000/MCP/WP;	NO.	8		
D	Fire alarm electronic sounder Beacon as Protec 3000/SSR/LED/RED The sounders to have the following features; Loop powered, combined sounder beacon, high efficiency design, selectable tones controlled by the panel and adjustable volume controlled by the panel.	NO.	8		
E	Allow for connection of fire alarm devices to existing phase 2 panel, Cost to include any necessary modules		Item		
F	Allow for training of personnel on the usage and operation of fire alarm system		Item		
	Carried to Collection			KShs	
	Section No. 6 Bill No. 2 ELECTRICAL POWER AND LIGHTING INSTALLATIONS Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	Allow for programming, testing and commissioning of the system		Item		
B	Any other materials necessary to complete the works, Specify		Item		
Carried to Collection				KShs	
<p><i>Section No. 6</i> <i>Bill No. 2</i> ELECTRICAL POWER AND LIGHTING INSTALLATIONS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>					

<p>Section No. 6</p> <p>Bill No. 2</p> <p>ELECTRICAL POWER AND LIGHTING INSTALLATIONS</p> <p><u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>		<p>Page No</p>		<p>Amount Kshs</p>
		<p>6/2</p>		<p>-----</p>
		<p>6/3</p>		<p>-----</p>
		<p>6/4</p>		<p>-----</p>
		<p>6/5</p>		<p>-----</p>
		<p>6/6</p>		<p>-----</p>
<p>Carried Forward to Summary of Section No. 6</p>			<p>KShs</p>	<p>-----</p>
<p>Section No. 6</p> <p>Bill No. 2</p> <p>ELECTRICAL POWER AND LIGHTING INSTALLATIONS</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 6</u></p> <p><u>ELECTRICAL AND POWER INSTALLATIONS</u></p> <p><u>BILL NO. 3</u></p> <p><u>ON-COSTS ON ELECTRICAL POWER AND LIGHTING INSTALLATIONS</u></p> <p><u>ELECTRICAL INSTALLATIONS</u></p>			
A	Add for profit on Electrical Installations		%	
B	Allow for general and special attendance on Electrical Installations		%	
C	Allow for Builders Works in connection with Electrical Installations		%	
	<p>Carried Forward to Summary of Section No. 6</p> <p><i>Section No. 6</i></p> <p><i>Bill No. 3</i></p> <p>ON-COSTS ON ELECTRICAL POWER AND LIGHTING INSTALLATIONS</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>		KShs	

<i>Bill No</i>	<u>SECTION SUMMARY - ELECTRICAL AND POWER INSTALLATIONS</u>	<i>Page No</i>		<i>Amount Kshs</i>
1	ELECTRICAL POWER AND LIGHTING INSTALLATIONS	6/7		
2	ON-COSTS ON ELECTRICAL POWER AND LIGHTING INSTALLATIONS	6/8		
Carried to Final Summary				
<i>Section No. 6</i>				
<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
<i>Copyright Paramount Project Consultants Ltd</i>				



SECTION NO. 7: EXTERNAL WORKS

Section No. 7

SECTION COVER PAGE

Proposed Completion of Lecture Theatre III Annex (Phase I)

Copyright Paramount Project Consultants Ltd

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>SECTION NO. 7</u></p> <p><u>EXTERNAL WORKS</u></p> <p><u>BILL NO. 2</u></p> <p><u>FOOTPATHS & STORM DRAIN</u></p> <p><u>WALK WAY/FOOT PATHS</u></p> <p><u>EXCAVATIONS</u></p> <p><i>Bulk or the like; starting from existing ground level; in black cotton soil</i></p> <p>Not exceeding 1.5 Metres deep from existing ground level</p>				
A	Excavate over site exceeding 300 mm deep from existing ground level and stockpile the arising materials on site	C.M	150		
	<p><u>DISPOSAL</u></p> <p><u>Surplus excavated materials</u></p>				
B	Load and cart away from site to an approved tip	C.M	150		
	<p><u>MURRAM</u></p> <p><i>Approved imported Murram filling in making up levels well rolled and compacted to 100% maximum dry density</i></p>				
C	Over 300 mm thick; depositing and compacting in layers maximum 150 mm thick	C.M	225		
	<p><u>ANTI TERMITE AND HERBICIDE TREATMENT</u></p>				
	Carried to Collection			KShs	
	<p><i>Section No. 7</i></p> <p><i>Bill No. 2</i></p> <p>FOOTPATHS & STORM DRAIN</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<i>Chemical herbicide treatment executed complete by an approved specialist under a ten (10) year guarantee to</i>				
A	To surfaces of fill	S.M	250		
	ROAD WORKS				
B	150 mm thick compacted approved hand packed stone	S.M	250		
	ROAD FINISHES				
	Concrete blocks as " Bamburi Blox " or other equal and approved concrete paving blocks with a compressive strength of 45N/mm² ; to approved pattern ; laid to manufacturer's specifications ; on and including 50 mm thick sand bed on prepared base (m/s) and including vibrating down with approved plate vibrator to Engineers satisfaction				
	<i>210 x 105 x 60 mm thick medium duty to prepared sub base (m/s)</i>				
C	Pavement to falls, cross falls or sloping not exceeding 15 degrees from the horizontal	S.M	250		
	KERBS				
	<i>Precast concrete class 20 finished fair on all exposed surfaces, bedded, jointed and pointed in cement and sand (1:5) mortar</i>				
D	250 mm x 125 mm Half battered kerb set on edge including 325 mm x 100 mm concrete class 20 bed with similar haunching to one side ditto	L.M	229		
	Carried to Collection			KShs	
	<i>Section No. 7</i>				
	<i>Bill No. 2</i>				
	FOOTPATHS & STORM DRAIN				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
	<i>Copyright Paramount Project Consultants Ltd</i>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<p><u>STORM DRAIN</u></p> <p><u>SHALLOW INVERT BLOCK DRAIN</u></p> <p><u>Precast concrete pipes; B.S 556; (1:2:4); ogee jointed</u></p> <p><i>Pipes jointed and bedded in cement / sand (1:3) mortar laid in concrete bed and surround (m/s)</i></p>				
A	Shallow Invert Block Drain; jointed and bedded in cement sand (1:40 mortar and laid on sub-base (m/s)	L.M	61		
	<p><u>STORM DRAIN</u></p> <p><u>EXCAVATING TRENCHES TO RECEIVE PIPES</u></p> <p><i>Various internal diameters</i></p> <p><i>Starting from formation level; not exceeding 1.50 m total depth</i></p>				
B	Average 1500 mm deep for 450 mm diameter Concrete pipes, including for levelling, ramming bottom, preparing bed, part return selected fill and ram and cart away surplus excavated material to acceptable tip to be provided by the contractor off site all as described	L.M	59		
C	200 mm thick selected fill material or granular bedding to bottom and sides of trenches for 450 mm diameter PCC pipe to engineer's approval	L.M	59		
	<p><u>INSITU CONCRETE: PLAIN</u></p> <p><u>Normal: mass concrete class 15/20</u></p> <p><i>Beds and surrounds</i></p>				
D	150 mm Thick "Type C" to 450 mm diameter pipe (m.s) including necessary formwork (0.2965C.m/L.m)	L.M	59		
	Carried to Collection				
	<p><i>Section No. 7</i></p> <p><i>Bill No. 2</i></p> <p>FOOTPATHS & STORM DRAIN</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				
				KShs	

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	Average 150 mm thick concrete bed to receive pipes PIPE WORK Precast concrete pipes; B.S 556: (1:2:4); ogee jointed <i>Pipes jointed and bedded in cement / sand (1:3) mortar laid in concrete bed and surround (m/s)</i>	S.M	30		
B	450 mm diameter pipe; all to Civil Engineers approval MANHOLES <i>150 mm thick natural stone walling in cement / sand (1:3) mortar; concrete class 20/20mm in cover slab reinforced with Y 12 at 200 mm centres both ways; 150 mm thick concrete class "Q" benching for pipe, 12 mm thick smooth water-proof render mix 1:6 to sloping benching and walls internally; 50 mm thick blinding in plain concrete class Q and concrete class 25/20mm in base reinforced with Y 10 at 200 mm centres both ways; including channels to receive pipes; all necessary excavations and formwork, approved filling and cart away, forming half round curved or straight main channels and branch in benching and forming holes for and including building in pipes, step irons at 300mm centres staggered as appropriate all in accordance with Civil Engineer's drawing</i>	L.M	59		
C	Square manhole 1000 mm deep overall bed size size 1200 x 1200 mm	NO.	3		
D	Y16 mm at 50 mm centres with 50 mm x 50 mm x 3 mm angle framing all round	NO.	3		
Carried to Collection				KShs	
<p><i>Section No. 7</i> <i>Bill No. 2</i> FOOTPATHS & STORM DRAIN <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>					

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
	<u>GULLY TRAP</u>				
	<i>Gulley pot B.S 556 encased in and including 150 mm thick concrete (1:3:6) base and 100 mm thick masonry wall to both end and sides complete with 100 mm diameter outlets including forming rebates for cover, standard 300 x 300 mm mild steel grating and frame infilled with concrete class 20/20 mm removable close fitting stopper and chain; including all necessary formwork and excavations</i>				
A	250 mm x 250 mm x 375 mm deep (internal dimensions) (Civil Engineer's drawing)	NO.	3		
	<u>RECTANGULAR DRAINS</u>				
B	Excavate trench in black cotton soil not exceeding 1.50 Metres deep average 500 mm deep for rectangular drain channel backfill with and including murrum well compacted around sides of invert block drain and load and cart excavated materials away from site	L.M	52		
	<u>INSITU CONCRETE: PLAIN</u>				
	<u>Normal: mass concrete class 25/20</u>				
	<i>U-shaped drain channel in hardcore or gravel comprising 150 mm thick concrete class 25/20 mm channel sides and bottom (bottom laid to required falls) including BRC A193 mesh and forming rebated at top to receive grating (m.s) including all necessary formwork to sides and excavations/ earthworks</i>				
C	150 mm thick; Overall size 450 mm wide x 350 mm deep (internal dimensions)	L.M	52		
D	25 mm thick water-proofed cement to sides of U drain	S.M	37		
E	75 mm (average) thickness to bottom of U drain laid to required falls	S.M	24		
	Carried to Collection			KShs	
	<i>Section No. 7</i>				
	<i>Bill No. 2</i>				
	FOOTPATHS & STORM DRAIN				
	<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p><u>Fabric: B.S. 4483</u></p> <p><i>Reference A142; mesh 200 x 200 mm weight 2.22 kgs per square meter (measured net - no allowance made for laps); including bends, tying wire and distance blocks</i></p> <p>In concrete ground floor bed</p>	S.M	76		
B	<p><u>ROLLED PLATES, BARS, SECTIONS AND TUBES</u></p> <p><i>Mild steel, K.S 02-18</i></p> <p><i>Channel grating comprising of 50 x 10 mm galvanized mild steel flat (bearing bars) welded at both ends to and including 50 x 8 mm thick cross angle sections at 90 mm centres; allow for 3 No. 12 mm diameter ribbed cross bar, including laying grating over rebated channels (m/s) and all necessary priming and painting (grating provided in 1,500 Metres long removable sections)</i></p> <p>600 mm wide</p>	L.M	52		
C	<p><i>Channel frames; 50 x 50 x 8 mm angle framing, all welded; secured to concrete channels with 16 mm diameter bars at 500 mm centres; priming after fabrication</i></p> <p>Generally</p>	L.M	52		
	<p><u>STONE PITCHING</u></p>				
	<p>Carried to Collection</p>			KShs	
	<p><i>Section No. 7</i></p> <p><i>Bill No. 2</i></p> <p>FOOTPATHS & STORM DRAIN</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p><i>Allow for trimming embankments to a slope approved by Civil Engineer; supply, lay and joint in cement/sand mortar approved hard, durable and dense rock free from cracks, kaolinised patches, organic and other impurities; allow for trimming edges of rocks to achieve close fit; minimum thickness of rock is 100 mm thick, surface area of all rocks to be greater than 0.02 S.M; Rocks laid in closed joints with cement/sand mortar on and including 50 mm thick mass concrete class 20/20 mm; all to the Civil/Structural Engineer</i></p> <p>Stone pitching</p>	S.M	71		
B	<p>CONCRETE SUNDRIES</p> <p>Labour and material</p> <p><i>Allow for Connecting Storm Water Drainage to existing manhole; altering and adapting existing manholes, pipe work, etc as necessary; making good all disturbed work to the satisfaction of the Engineers and local authority; paying all necessary fees, charges, etc and including all necessary attendance to County Council Workers</i></p> <p>For 1 No. connections</p>		Item		
C	<p><i>Allow for testing the whole of storm water drainage installations;</i></p> <p>To the satisfaction of the civil and mechanical Engineers and the relevant authorities</p>		Item		
Carried to Collection				KShs	
<p><i>Section No. 7</i> <i>Bill No. 2</i> FOOTPATHS & STORM DRAIN <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>					

<p>Section No. 7</p> <p>Bill No. 2</p> <p>FOOTPATHS & STORM DRAIN</p> <p><u>COLLECTION</u></p>				
<p>Total Brought Forward from Page No.</p>		<p>Page No</p>		<p>Amount Kshs</p>
		<p>7/2</p>		<p>-----</p>
		<p>7/3</p>		<p>-----</p>
		<p>7/4</p>		<p>-----</p>
		<p>7/5</p>		<p>-----</p>
		<p>7/6</p>		<p>-----</p>
		<p>7/7</p>		<p>-----</p>
		<p>7/8</p>		<p>-----</p>
<p>Carried Forward to Summary of Section No. 7</p>			<p>KShs</p>	
<p>Section No. 7</p> <p>Bill No. 2</p> <p>FOOTPATHS & STORM DRAIN</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

Item No		Unit	Quantity	Rate Kshs	Amount Kshs
A	<p><u>SECTION NO. 7</u></p> <p><u>EXTERNAL WORKS</u></p> <p><u>BILL NO. 2</u></p> <p><u>BOUNDARY WALL/CHAIN LINK FENCE</u></p> <p><u>CHAIN-LINK FENCE</u></p> <p>Comprising reinforced concrete posts 2100 mm above ground level and 600 mm below the surface at 2500 mm centres; 4 No. galvanized line wires approved gauge, threaded through the posts with and including approved gauge (minimum 14 gauge) medium pattern chain link fixed to line wires with galvanized tying wires; allow for all necessary excavations, bedding ends of posts in concrete class 20 and backfilling with suitable excavated materials compacted and carting away arising surplus materials</p>	L.M	38		
	<p>Carried Forward to Summary of Section No. 7</p>			KShs	
	<p><i>Section No. 7</i></p> <p><i>Bill No. 3</i></p> <p><i>BOUNDARY WALL/CHAIN LINK FENCE</i></p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>				

<i>Bill No</i>	SECTION SUMMARY - EXTERNAL WORKS	<i>Page No</i>		<i>Amount Kshs</i>
1	FOOTPATHS & STORM DRAIN	7/9		
2	BOUNDARY WALL/CHAIN LINK FENCE	7/10		
Carried to Final Summary				
<i>Section No. 7</i>				
<i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i>				
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SECTION NO. 8: PROVISIONAL SUMS

Section No. 8

SECTION COVER PAGE

Proposed Completion of Lecture Theatre III Annex (Phase I)

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Item No		Amount Kshs
	<p><u>SECTION NO. 8</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>BILL NO. 2</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><i>Allow the following Provisional Sums to be Expended at the Discretion of the Project Architect/Services Engineer/Structural & Civil Engineer; Measured and Valued by the Project Quantity Surveyor on completion.</i></p>	
	<p><u>CCTV INSTALLATION</u></p>	
A	<p>Kenya Shillings Four Hundred Thousand (KShs400,000.00) for CCTV Installation.</p>	400,000.00
	<p><u>PROJECTORS AND MOTORISED SCREENS</u></p>	
B	<p>Kenya Shillings Four Hundred and Sixty Thousand (KShs460,000.00) for Projector and Motorised Screen.</p>	460,000.00
	<p><u>DATA & STRUCTURED CABLING INSTALLATIONS</u></p>	
C	<p>Kenya Shillings Four Hundred and Fifty Thousand (KShs450,000.00) for Data & Structured Cabling Installations.</p>	450,000.00
	<p><u>WHITE BOARDS</u></p>	
D	<p>Kenya Shillings Five Hundred Thousand (KShs500,000.00) for White Boards.</p>	500,000.00
	<p><u>SIGNAGE</u></p>	
E	<p>Kenya Shillings One Hundred and Fifty Thousand (KShs150,000.00) for Signage.</p>	150,000.00
	<p><u>FIRE FIGHTING AND FIRE PROTECTION INSTALLATIONS</u></p>	
F	<p>Kenya Shillings Six Hundred Thousand (KShs600,000.00) for Fire Fighting and Fire Protection Installations.</p>	600,000.00
	<p style="text-align: right;">Carried to Collection</p>	
	<p style="text-align: right;">KShs</p>	
	<p>Section No. 8</p> <p>Bill No. 2</p> <p>PROVISIONAL SUMS</p> <p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p> <p><i>Copyright Paramount Project Consultants Ltd</i></p>	

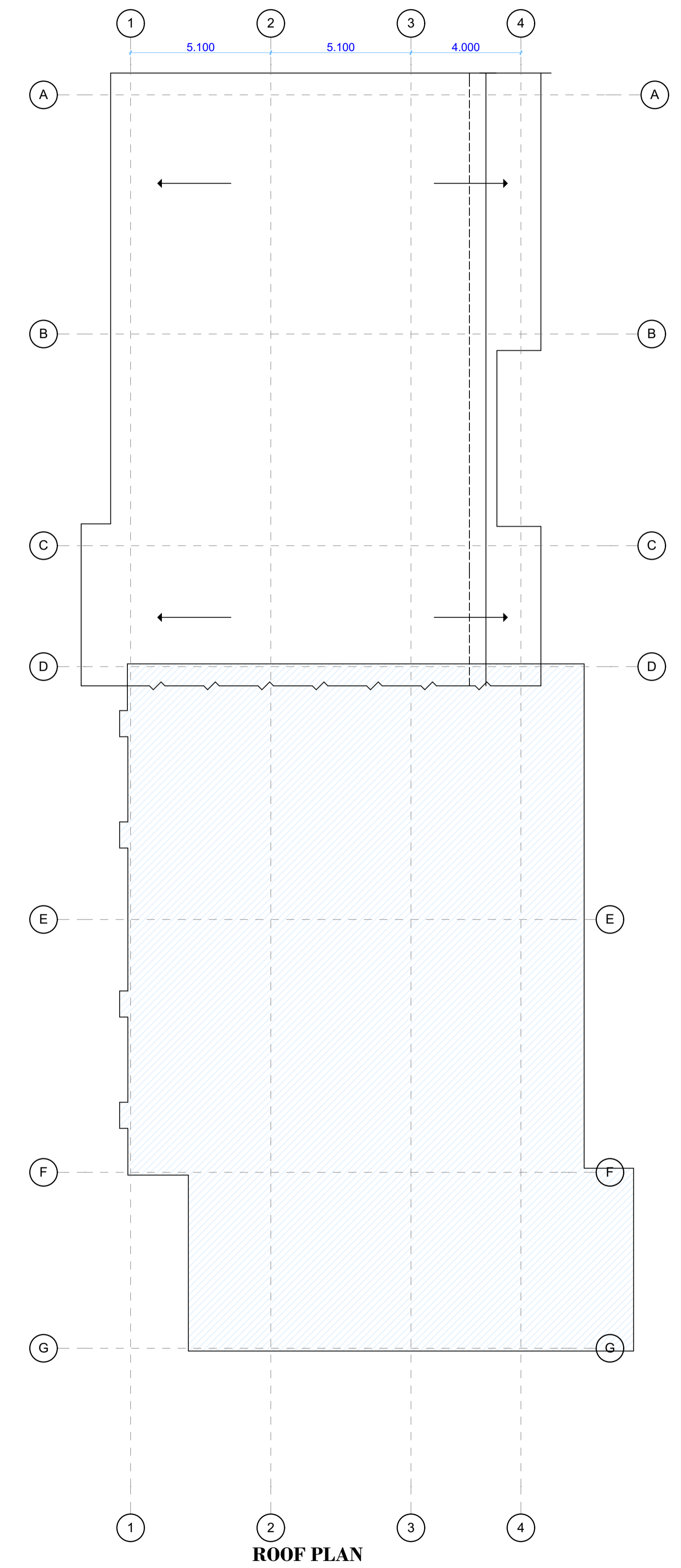
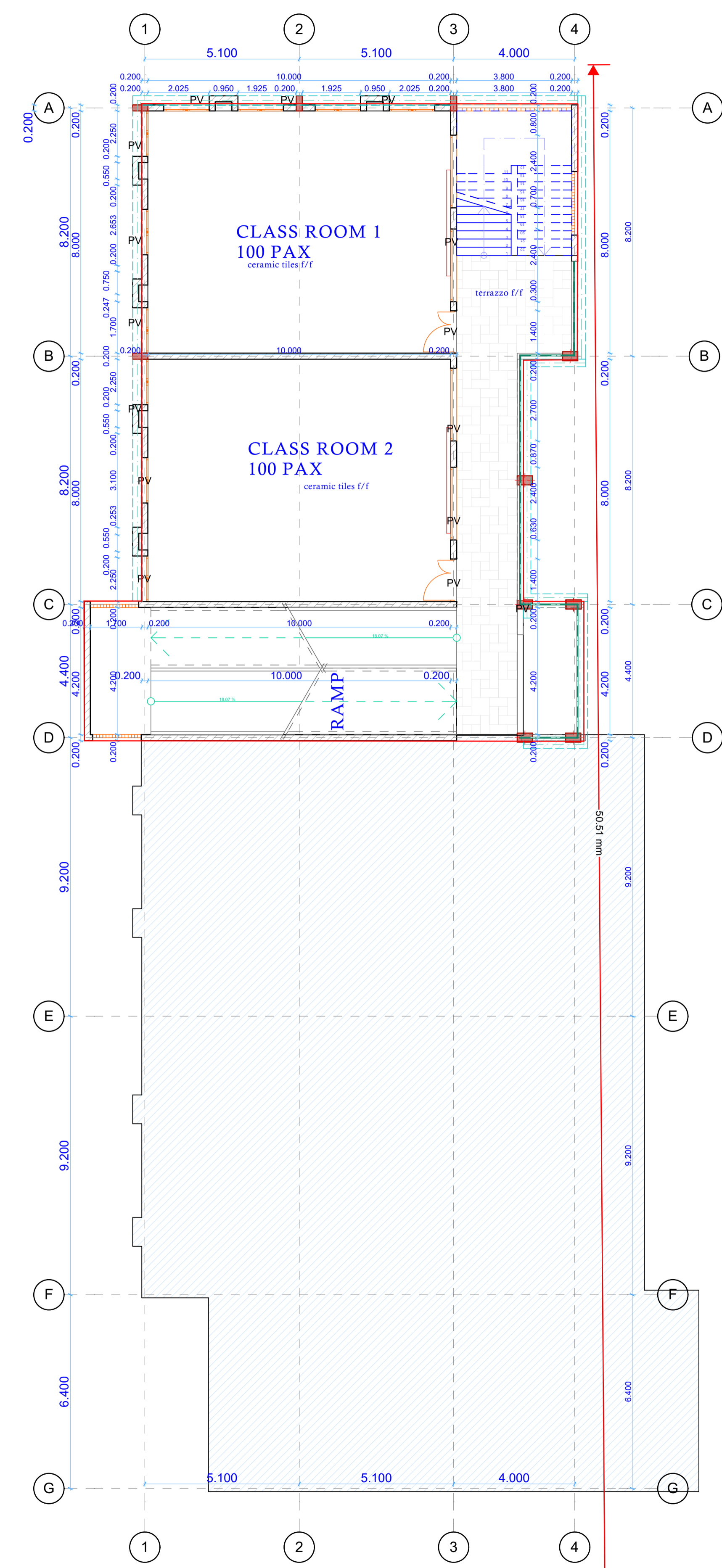
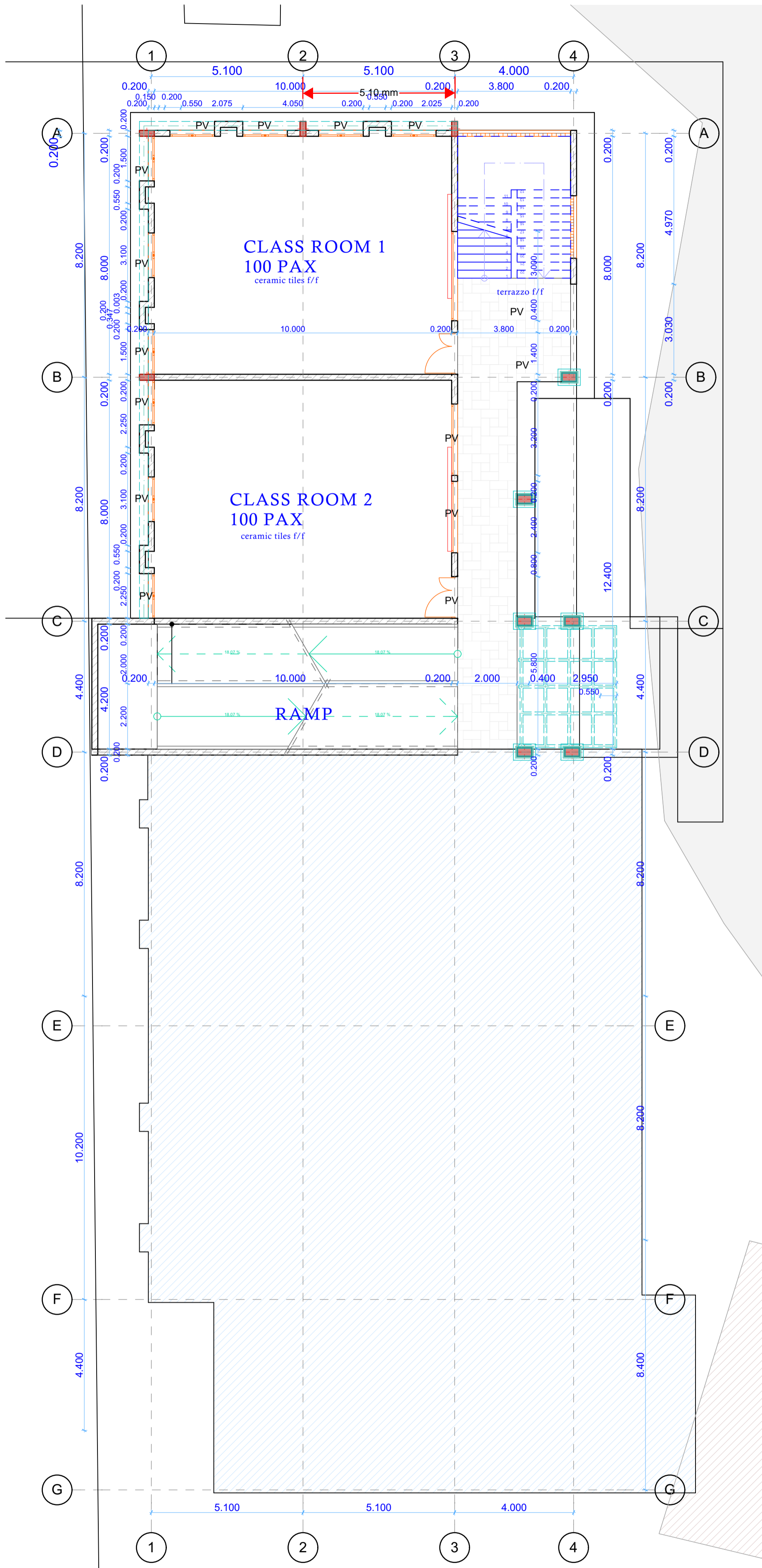
Item No		Amount Kshs
A	<p>LANDSCAPING</p> <p><i>Kenya Shillings Two Hundred Thousand (KShs200,000.00) for Landscaping.</i></p>	200,000.00
B	<p>CONTINGENCIES</p> <p><i>Kenya Shillings One Million (KShs1,000,000.00) for Contingencies.</i></p>	1,000,000.00
	Carried to Collection	KShs
<p><i>Section No. 8</i> <i>Bill No. 2</i> PROVISIONAL SUMS <i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i> <i>Copyright Paramount Project Consultants Ltd</i></p>		

<p><i>Section No. 8</i></p>		
<p><i>Bill No. 2</i></p>		
<p><i>PROVISIONAL SUMS</i></p>		
<p><u>COLLECTION</u></p>		
<p>Total Brought Forward from Page No.</p>	<p style="text-align: right;"><i>Page No</i></p>	<p style="text-align: right;"><i>Amount Kshs</i></p>
	<p style="text-align: right;">8/2</p>	
	<p style="text-align: right;">8/3</p>	
<p style="text-align: center;">Carried Forward to Summary of Section No. 8</p>	<p style="text-align: right;">KShs</p>	
<p><i>Section No. 8</i></p>		
<p><i>Bill No. 2</i></p>		
<p><i>PROVISIONAL SUMS</i></p>		
<p><i>Proposed Completion of Lecture Theatre III Annex (Phase I)</i></p>		
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Section No	<u>FINAL SUMMARY</u>	Page No		Amount Kshs
1	PART NO. 1	1/41		
2	EVALUATION CRITERIA	2/11		
3	PRELIMINARIES	3/54		
4	SPECIFICATIONS	4/2		
5	BUILDERS WORK	5/49		
6	ELECTRICAL AND POWER INSTALLATIONS	6/9		
7	EXTERNAL WORKS	7/11		
8	PROVISIONAL SUMS	8/4		
Carried to Form of Tender			KShs	
<i>Proposed Completion of Lecture Theatre III Annex (Phase I) Copyright Paramount Project Consultants Ltd</i>				



PART NO. 10: ARCHITECTURAL DRAWINGS



NOTES

general
 All dimension are shown in m unless otherwise specified.
 Drawings are not to be scaled. Only figured dimensions are to be used.
 Contractor must check & verify all dimensions before commencement of work.

construction
 All slabs at ground level to be poured over 1000 gauge polythene sheeting on 50mm thick murrum blinding on hardcore.
 All soils under slabs & all around external foundation to be poised for termite control.

structural
 All black cotton soil to be removed from below all building and paved surfaces.
 All paved surfaces to be clear of black cotton soil a distance of 500mm outside the edge of the surface.
 For all R.C. works, refer to S.E.'s details.
 Foundation depths to be determined on site and to S.E.'s approval.
 All walls less than 200mm thick to be reinforced with hoop iron at every alternate course.
 All adjacent R.C. works and masonry walls to be tied strap irons at every alternate course

mechanical
 Drains passing beneath building & driveways to be encased in 150mm concrete surround. All underground foul & waste.
 The storm water drain pipes to comply with BS556.
 Minimum slope in the drain pipes to be 1%.
 No chases will be allowed in the slabs for pipes.

No cutting of concrete without express approval of the Architect or S.E.
 All testing of pipes must be coordinated with electrical & any conflicts must be clarified before works begins.
 P.V. denotes permanents vent.

electrical
 All conduits must be laid before plastering

revision suffix	date of revision	initials	revision details

architects

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 Tel: (+254) 21249 6395
 Cell: (+254) 722 642942

job architect
ARCH. NJOROGE JOEL NG'ANG'A
 A. 1330

job title
PROPOSED 8 NO. CLASS ROOMS FOR COOPERATIVE UNIVERSITY- KAREN
 client:
COOPERATIVE UNIVERSITY

drawing title
PHASE I PLANS

job no.	drawing no.	1	
CI/SB	drawing suffix		
scale	date	drawn	checked
	07/2019	ALFONCE	NG'ANGA

NOTES

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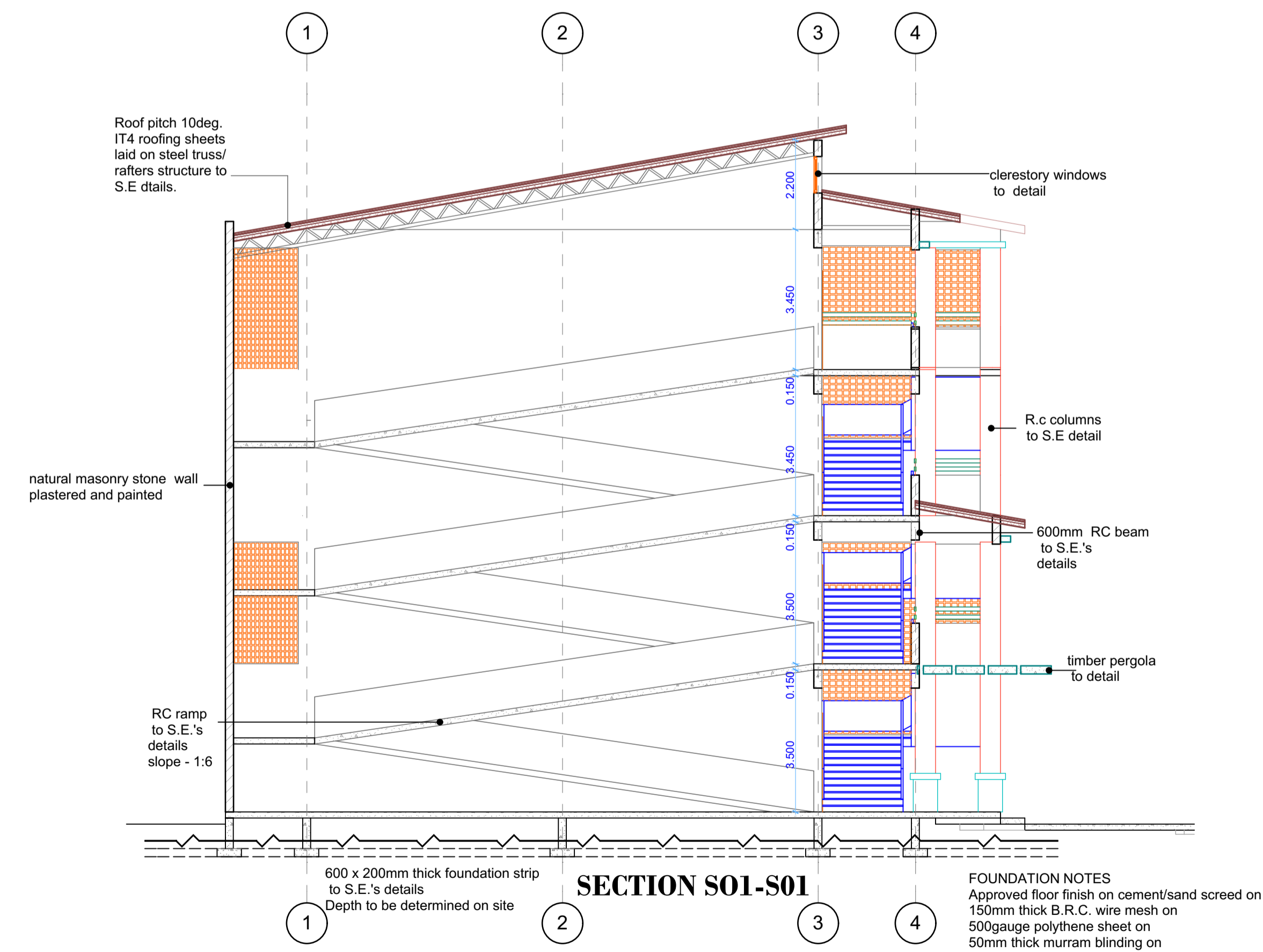
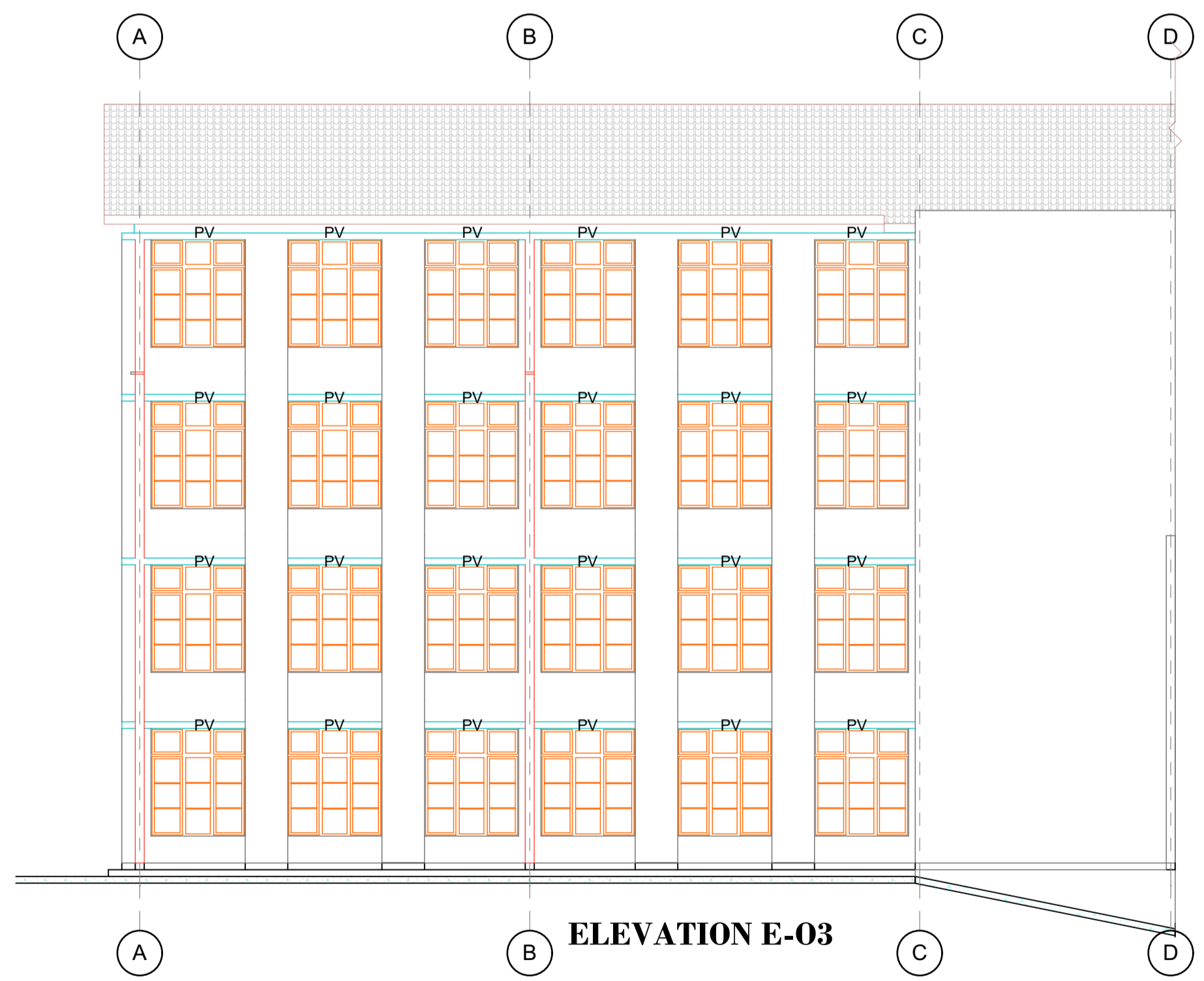
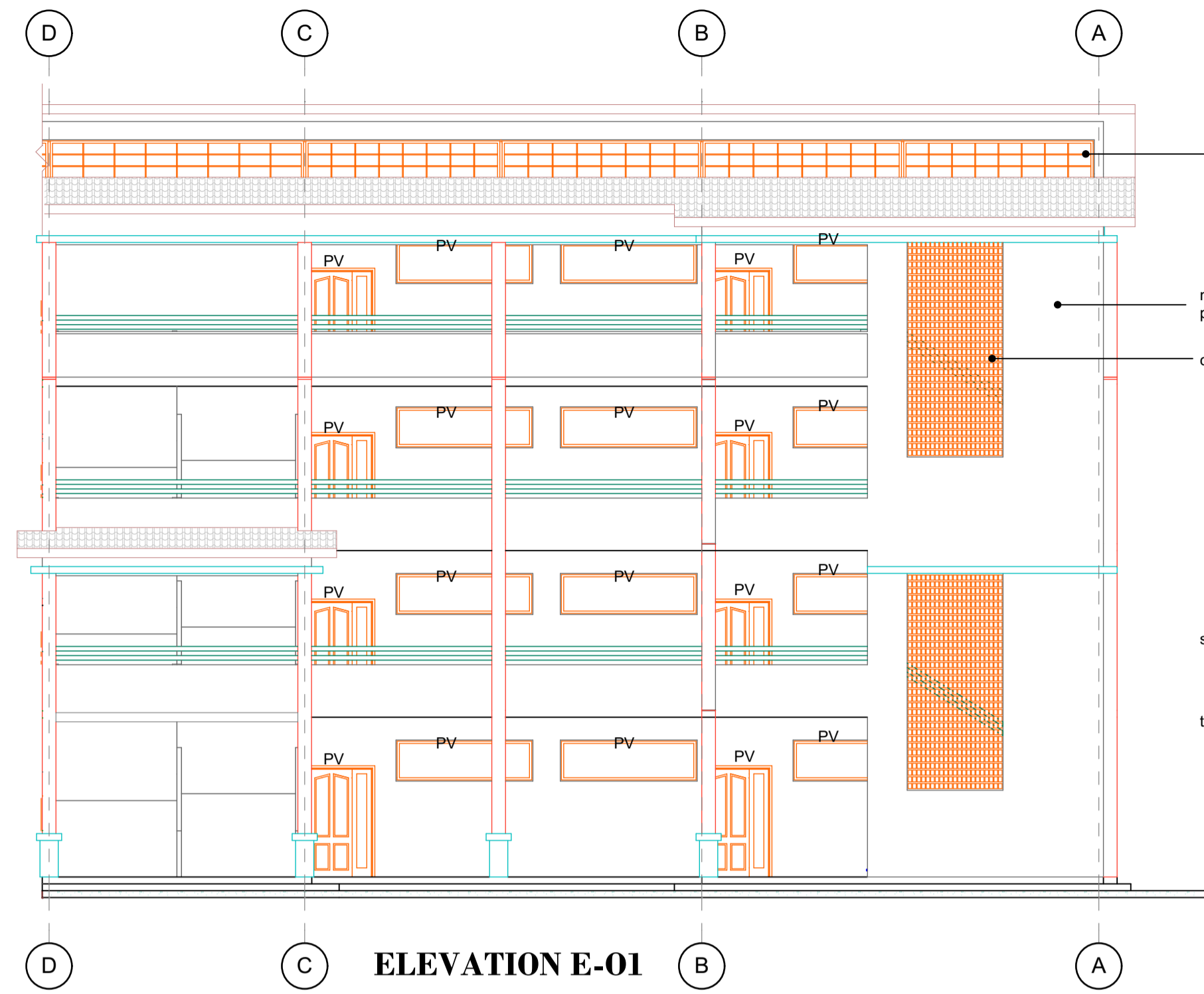
mechanical

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P.V. denotes permanents vent.

electrical

All conduits must be laid before plastering



revision suffix	date of revision	initials	revision details

architects

archtron
 ARCHITECTURAL SYSTEMS
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 Cell: (+254) 722 642942

job architect
**ARCH. NJOROGE JOEL NG'ANG'A
 A. 1330**

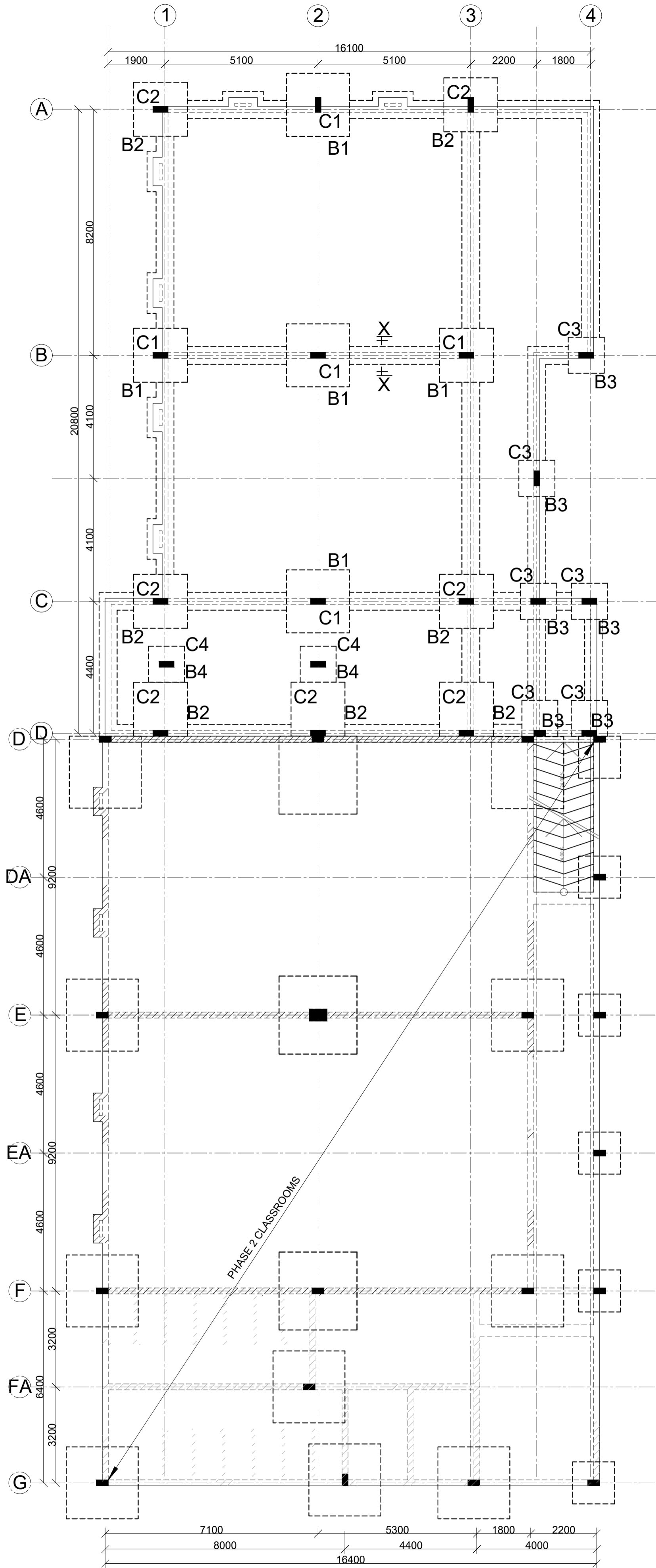
job title
**PROPOSED 8 NO. CLASS ROOMS
 FOR COOPERATIVE UNIVERSITY-
 KAREN**
 client:
COOPERATIVE UNIVERSITY

drawing title
**PHASE 1
 ELEVATIONS
 SECTION**

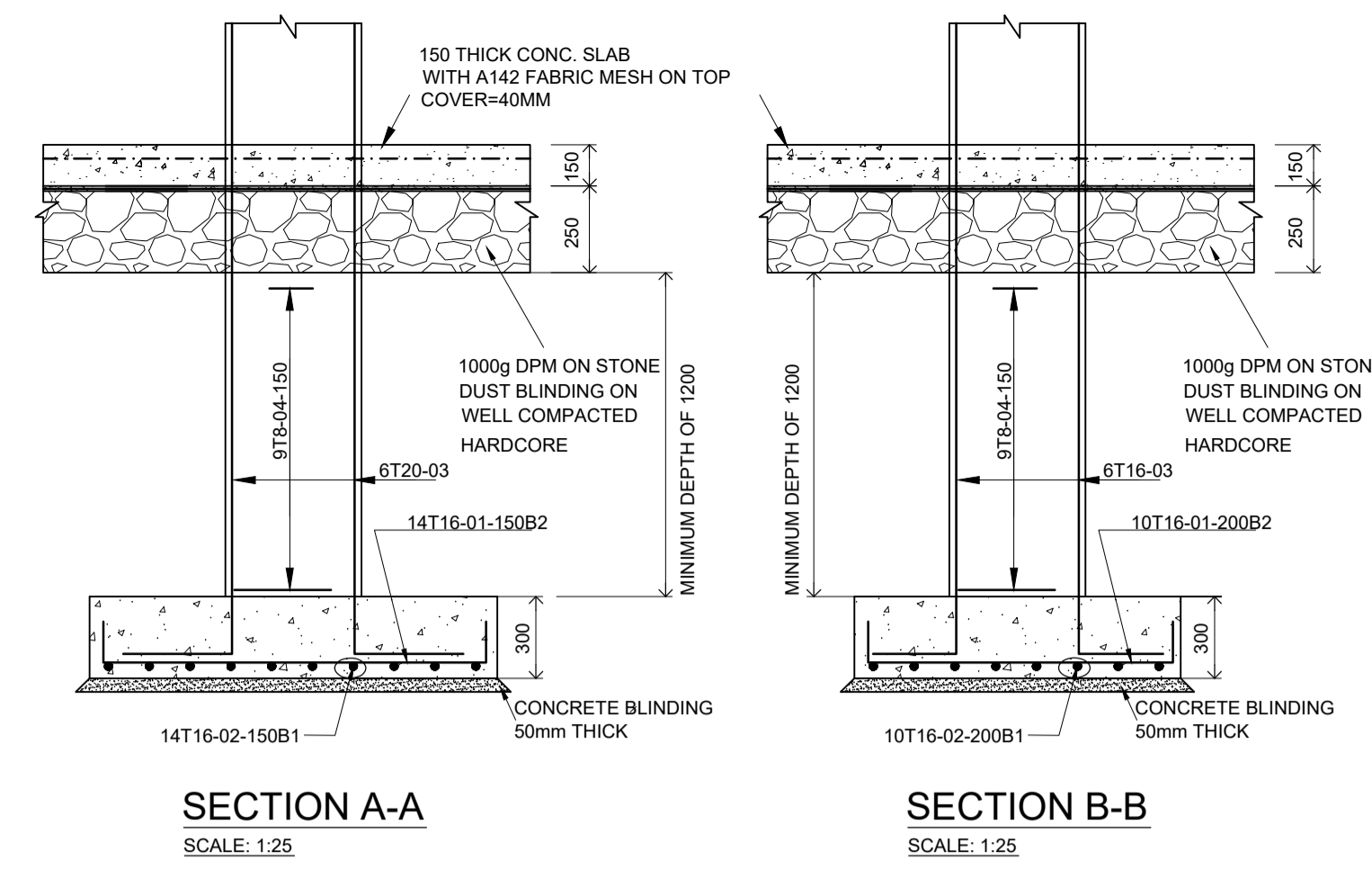
job no.	drawing no. 2
CI/SB	drawing suffix
scale	date 07/2019
drawn ALFONCE	checked NG'ANG'A



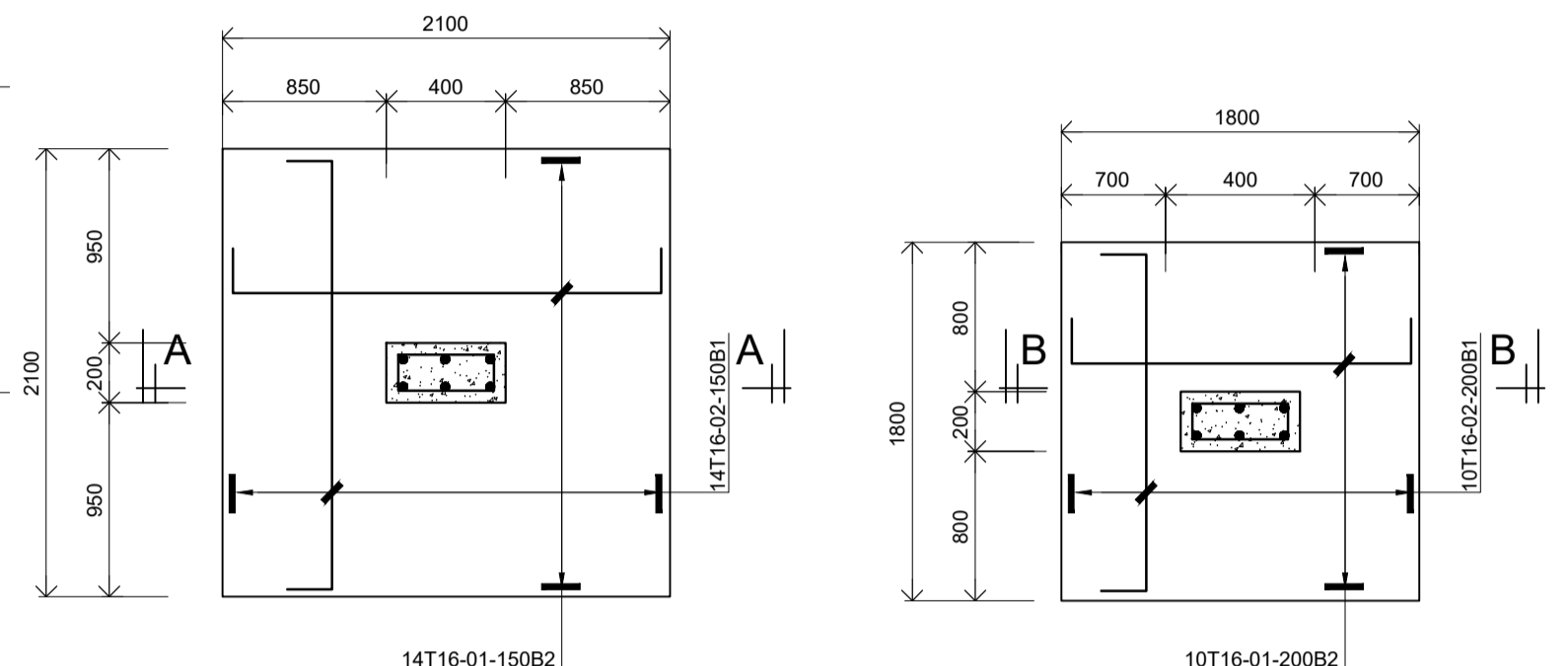
PART NO. 11: STRUCTURAL DRAWINGS



FOUNDATION LAYOUT (1ST-3RD)
SCALE 1:100

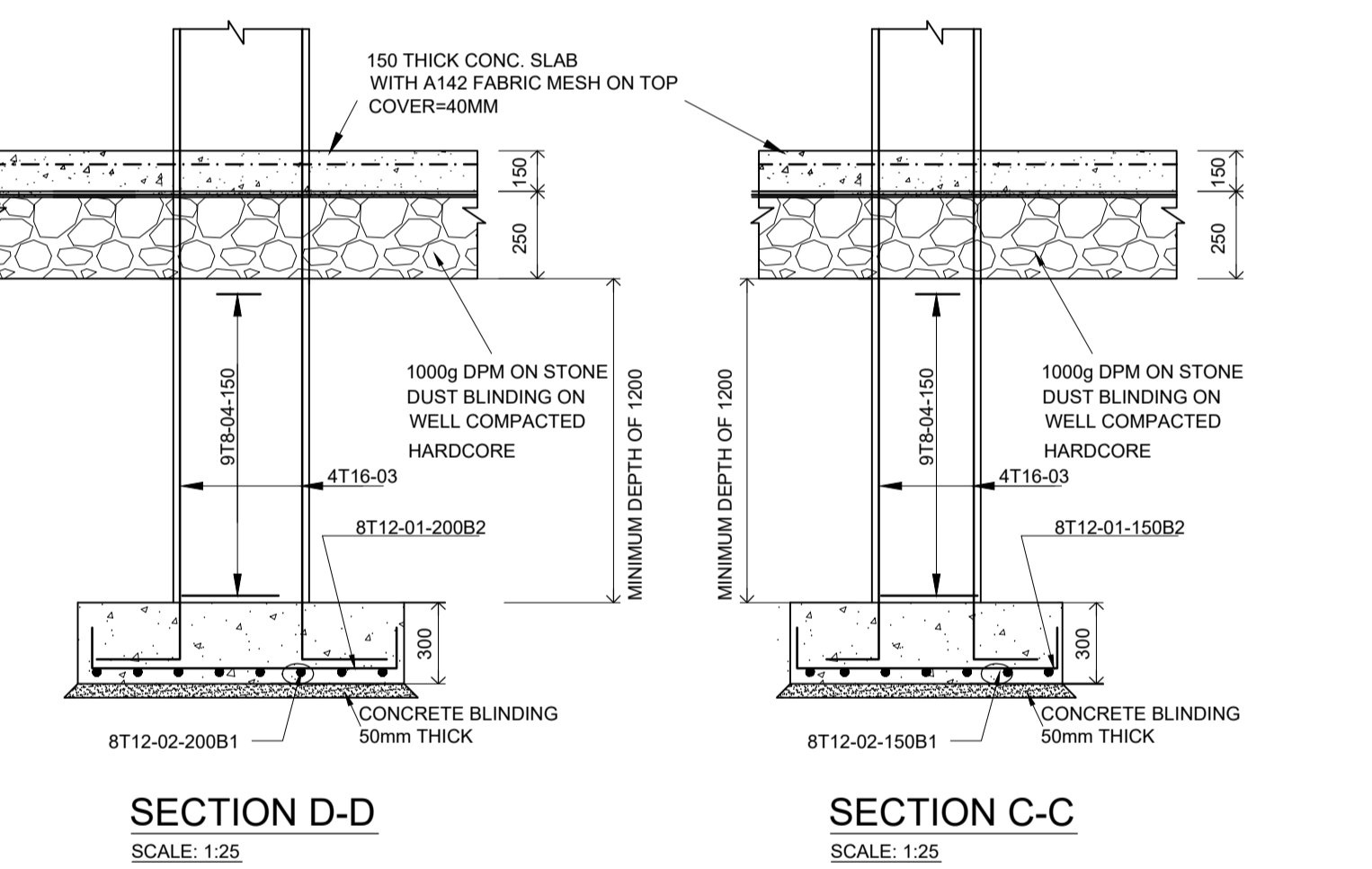


SECTION A-A SCALE: 1:25
SECTION B-B SCALE: 1:25

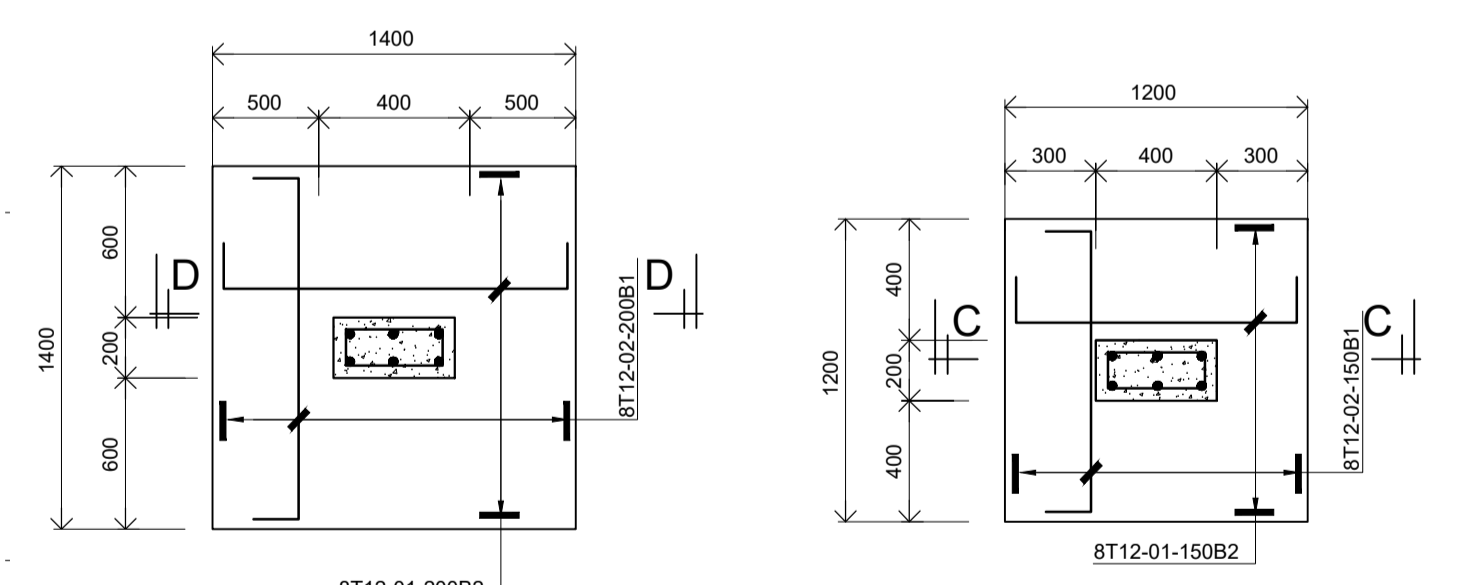


400X200 COLUMN C1
2100SQX400 RC BASE B1
TOTAL NO. = 5
SCALE: 1:25

400X200 COLUMN C2 ON
1800SQX300 RC BASE B2
TOTAL NO. = 7
SCALE: 1:25

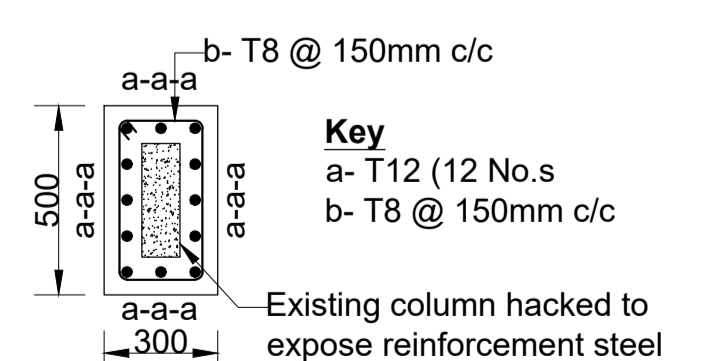


SECTION D-D SCALE: 1:25
SECTION C-C SCALE: 1:25



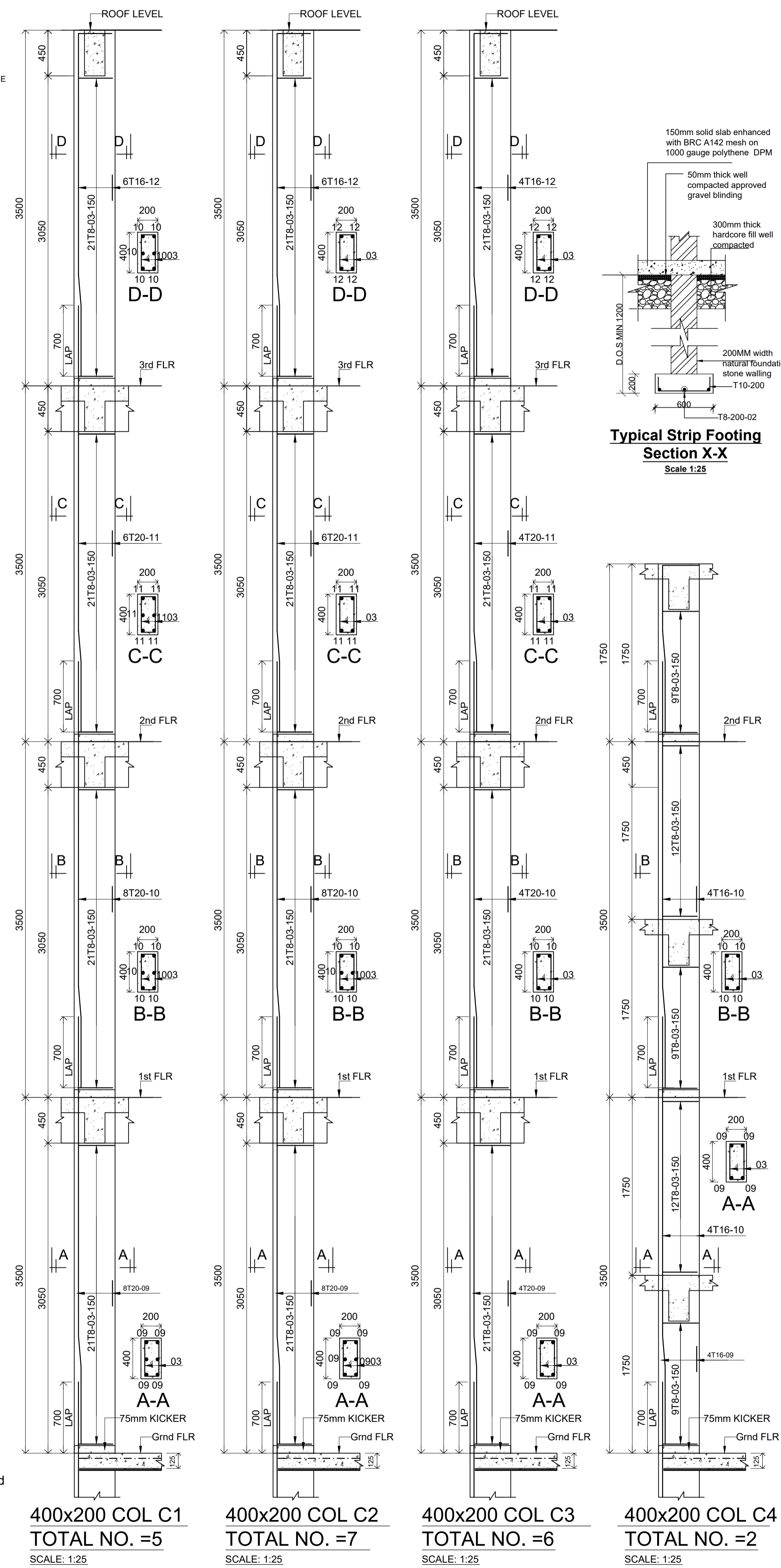
400X200 COLUMN C3 ON
1400SQX300 RC BASE B3
TOTAL NO. = 6
SCALE: 1:25

400X200 COLUMN C4/C5 ON
1200SQX300 RC BASE B4
TOTAL NO. = 2
SCALE: 1:25

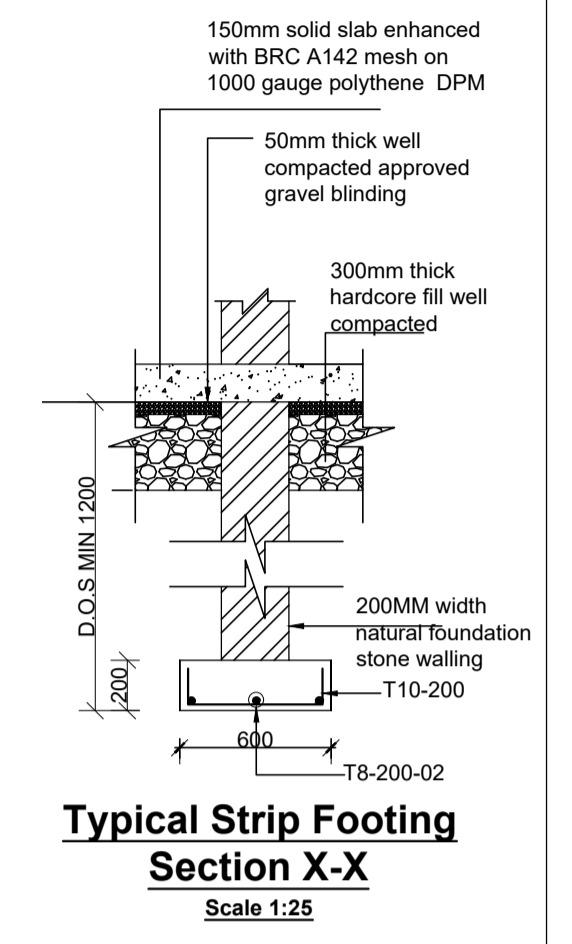


Typical Column Jacketing reinforcement detail through Section A-A
Scale 1:25

- Jacketing Notes**
- Hack existing columns to expose the reinforcement steel.
 - Fix 12 No.s T12 bars around the column. (Jacketing)
 - Clean the surface and apply fresh concrete to old concrete bonding agent.
 - Place Class 30 concrete to increase the column section size to 500x300mm



400x200 COL C1 TOTAL NO. =5 SCALE: 1:25
400x200 COL C2 TOTAL NO. =7 SCALE: 1:25
400x200 COL C3 TOTAL NO. =6 SCALE: 1:25
400x200 COL C4 TOTAL NO. =2 SCALE: 1:25



Typical Strip Footing Section X-X
Scale 1:25

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 - The concrete used shall be of class 30 (For Foundation and Columns) and class 25 (For All Other Members) in accordance with the specifications.
 - All load bearing walls to be 200mm thick natural stone/concrete blocks. Min crushing strength 10 N per SQ mm.
 - All reinforced concrete works shall be quality controlled and mechanically vibrated to the structural Engineer's satisfaction.
 - Typical cover to main reinforcement shall be as follows:
Foundations - 50mm
Columns - 40mm
Beams - 25mm
Slab - 20mm
 - Steel Reinforcement for structural concrete shall be HT Ribbed bars and shall conform to Kenya Standards Specification KS 573.
 - Structural Steel sections shall be to BS 5950
 - Contractor to verify 'Structural Finished Level' SFL and Finished Floor Level FFL before fabrication of Structural Steel.
 - All Structural Steel Members and Connections including Welding and Bolting (including Rawl Bolts) shall conform to the relevant and latest British Standards. Gusset plates shall be minimum 5mm thick.
 - Shop drawings must be submitted in good time for approval by the Engineer before assembly of units commence.
 - Provide 2 coats of Red oxide paint on the surface of Structural Steel. Final coat and finishes shall be to Architect's instructions.
 - Black cotton soil to be removed and replaced with approved fill.
 - D.O.S - Determined On Site
 - U/S - Upstand beam.
 - Design soil bearing capacity = 300KN/M²

REVISIONS	
date	descriptions

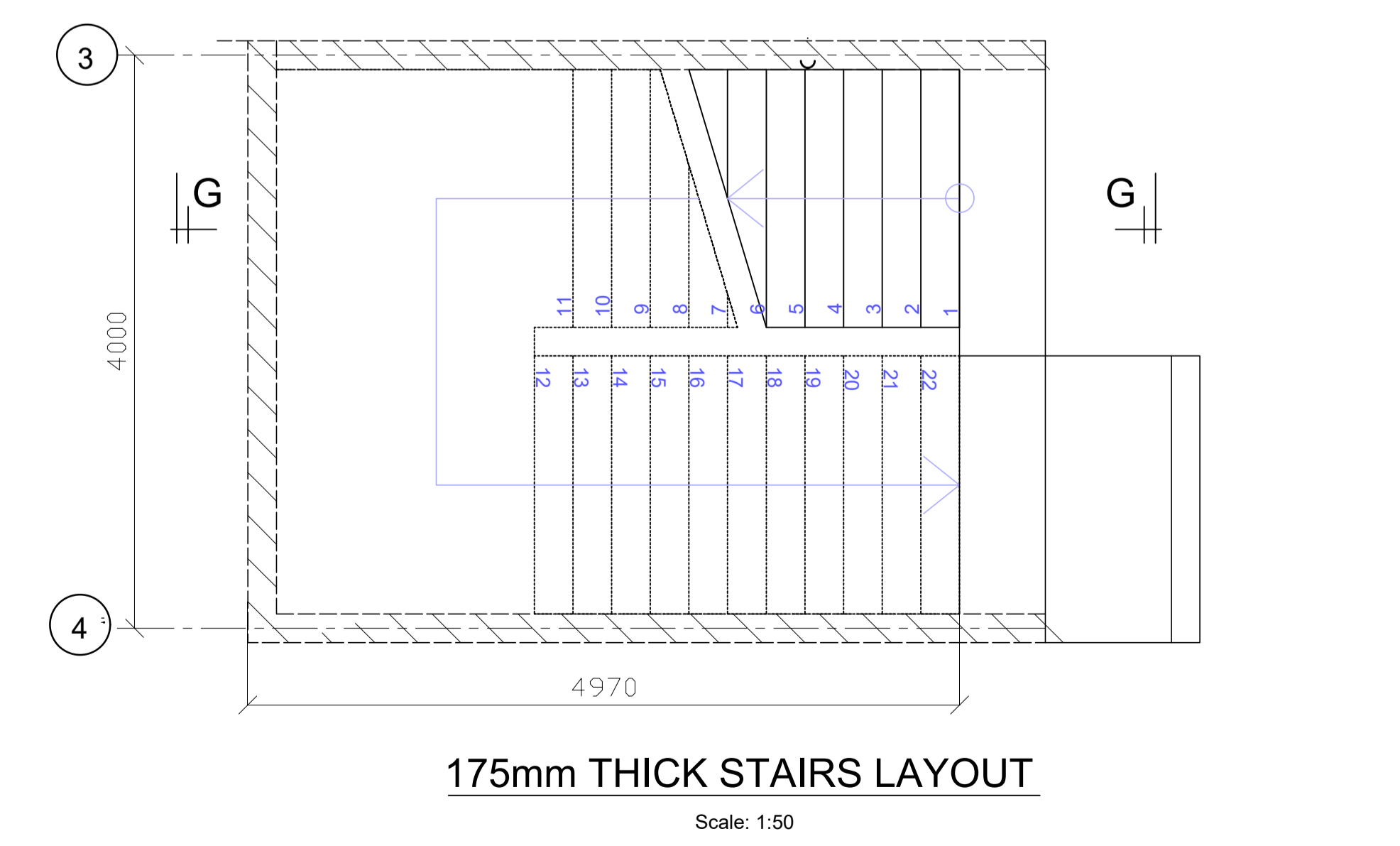
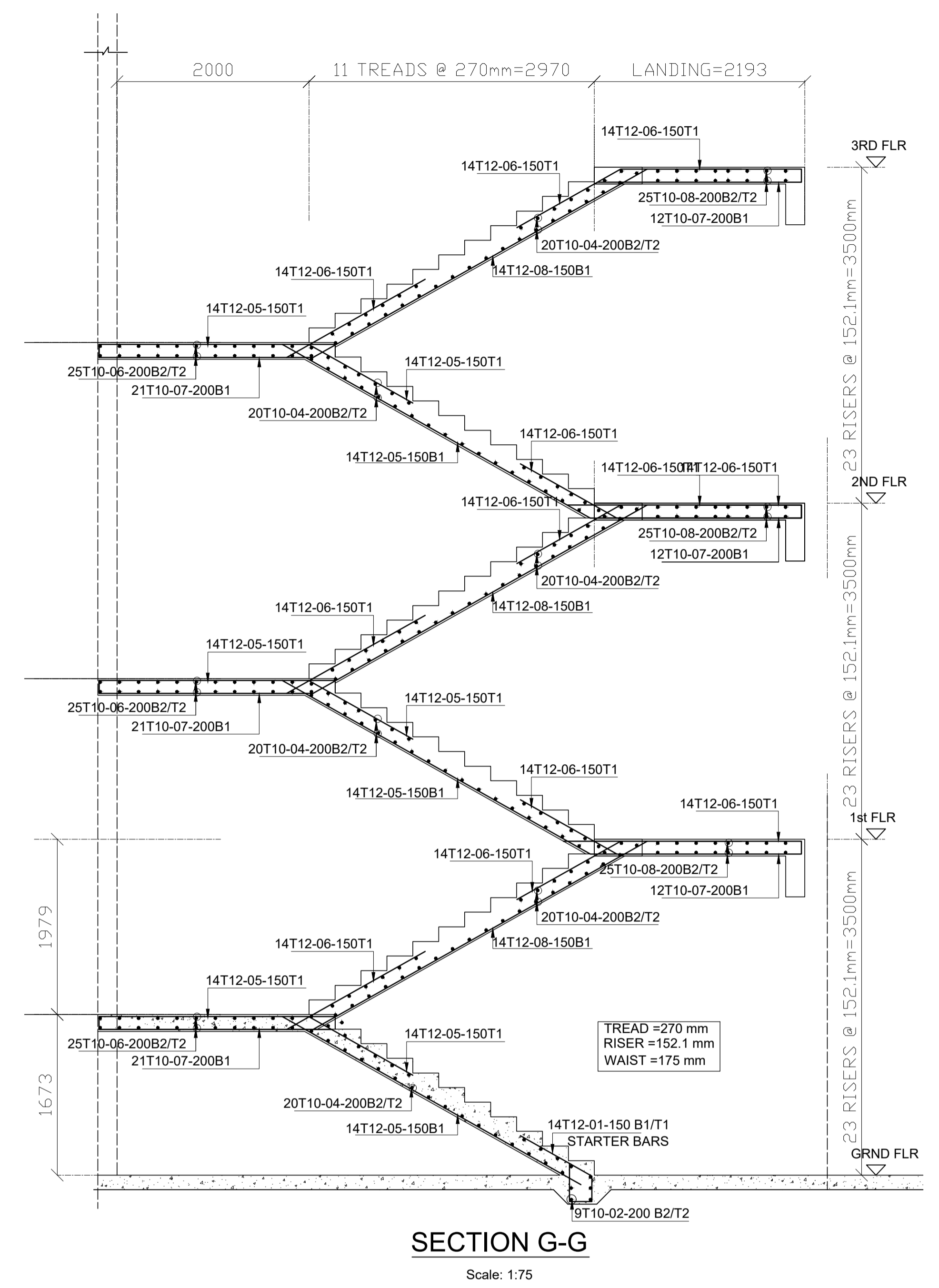
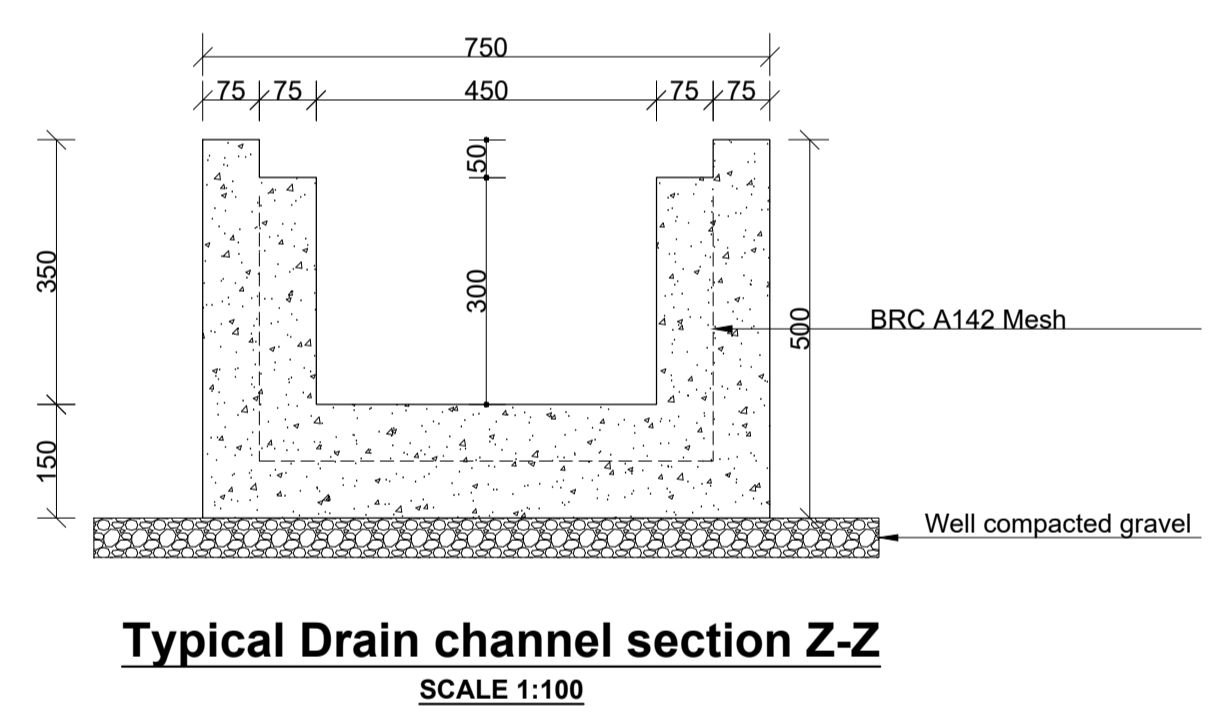
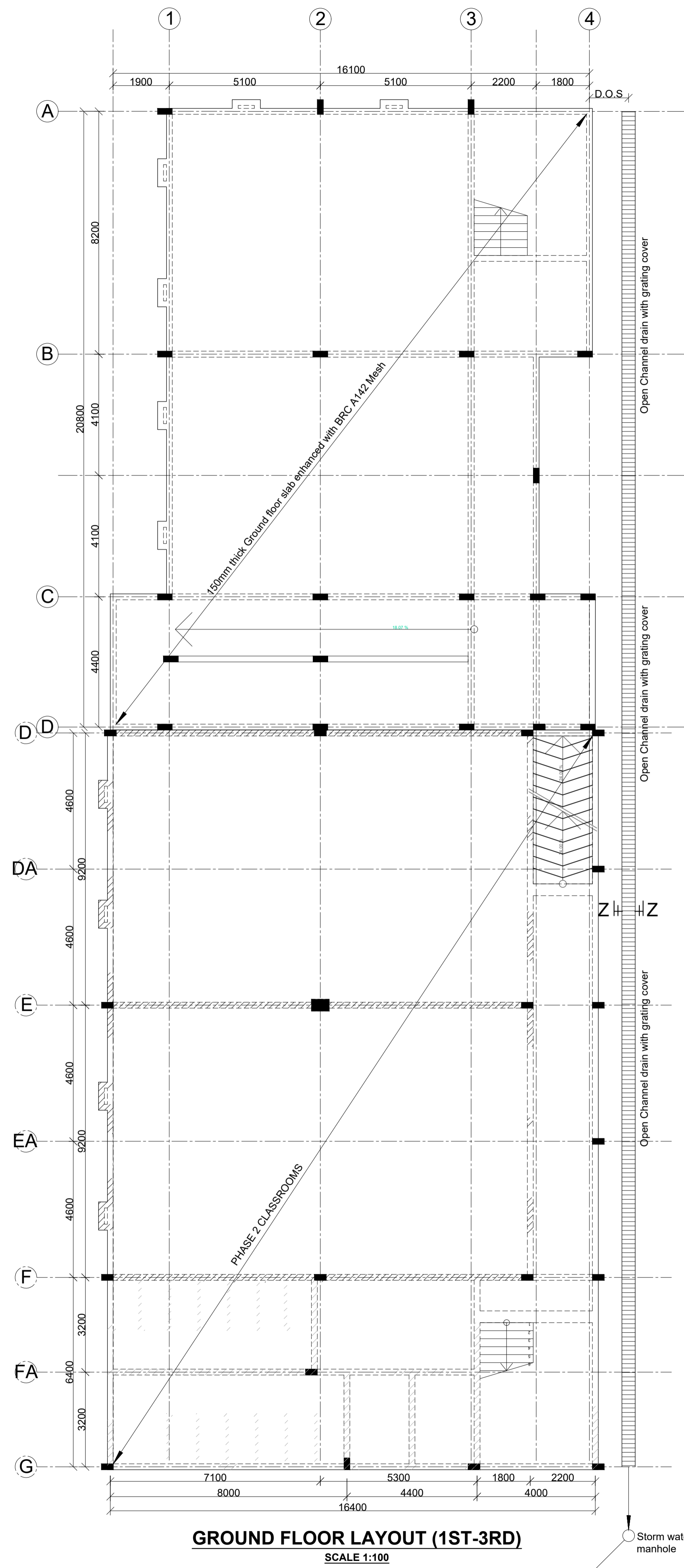
Client:
THE CO-OPERATIVE UNIVERSITY OF KENYA

Project:
COMPLETION OF THE PROPOSED LECTURE THEATRE III ANNEX-PHASE 1

Consultants:
COPERK CONSULTANTS LTD
(CIVIL & STRUCTURAL ENGINEERS)
P.O. BOX 14548-00800 Nairobi.
TELEPHONE: +254726100899.

Drawing title:
FOUNDATION LAYOUT, GROUND FLOOR LAYOUT, FOUNDATION R.C DETAILS, COLUMN R.C DETAILS

Designed by: M.K	Drawn by: M.K
Checked by: F.N	Approved by: F.N.
Scales: 1:25, 1:50, 1:75, 1:100	Date: FEB-2024
Drawing No. 0223/STR/01	Drng status: F



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 - D.O.S - Determined On Site
 - U/S - Upstand beam.
 - Design soil bearing capacity = 300KN/M²

REVISIONS	
date	descriptions

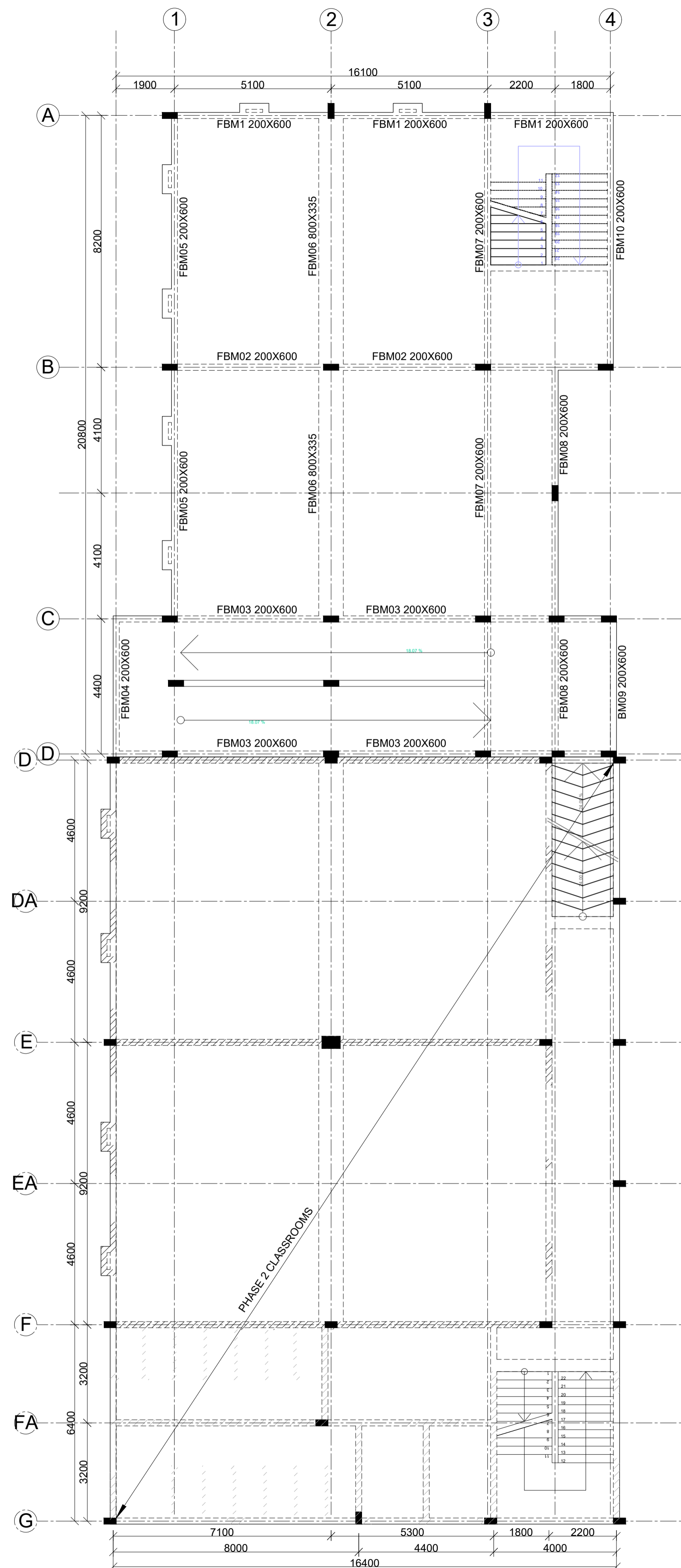
Client:
THE CO-OPERATIVE UNIVERSITY OF KENYA

Project:
COMPLETION OF THE PROPOSED LECTURE THEATRE III ANNEX-PHASE 1

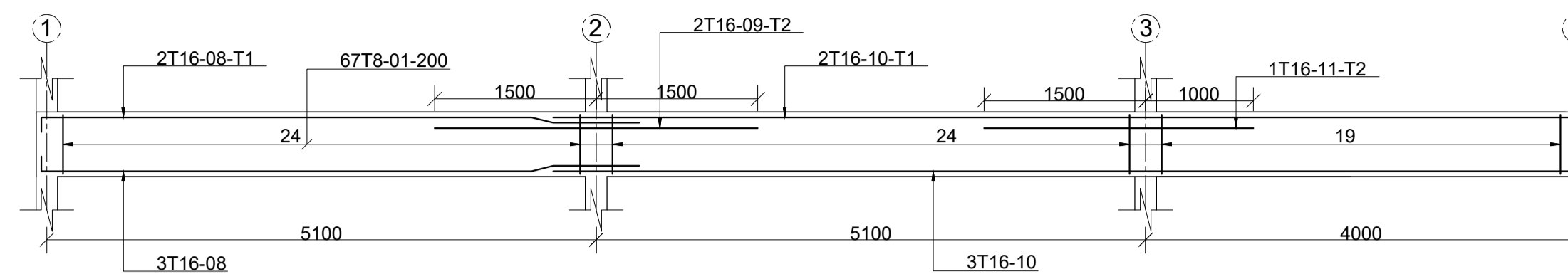
Consultants:
COPERK CONSULTANTS LTD
(CIVIL & STRUCTURAL ENGINEERS)
P.O. BOX 14548-00800 Nairobi.
TELEPHONE: +254726100899.

Drawing title:
GROUND FLOOR LAYOUT, STAIRCASE R.C DETAILS, DRAINAGE CHANNEL SECTION DETAILS

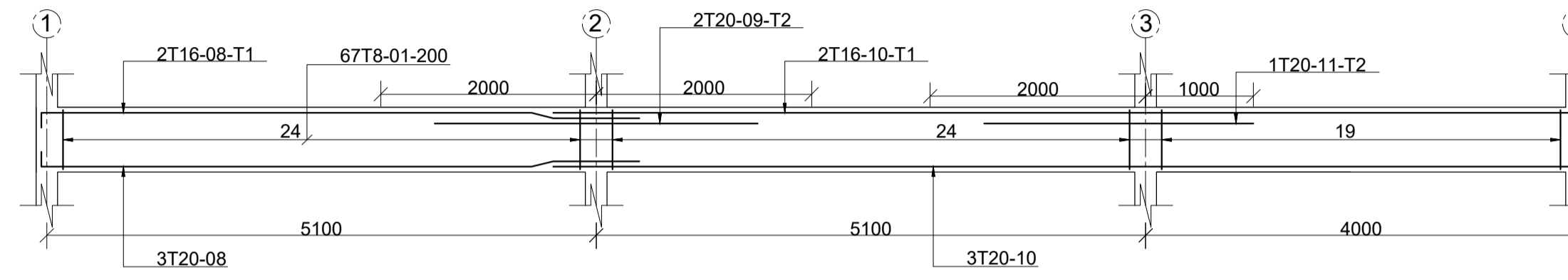
Designed by: M.K	Drawn by: M.K
Checked by: F.N	Approved by: F.N.
Scales: 1:25, 1:50, 1:75, 1:100	
Date: FEB-2024	
Drawing No. 0223/STR/02	Drng status: F



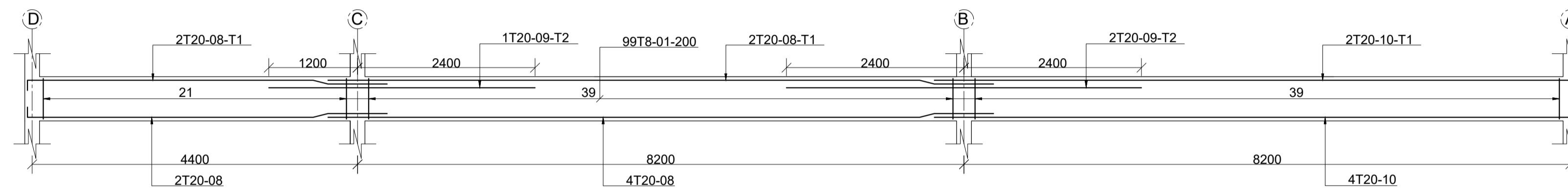
TYPICAL FLOOR LAYOUT (2ND-3RD)
SCALE 1:100



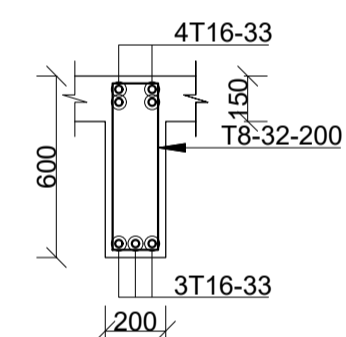
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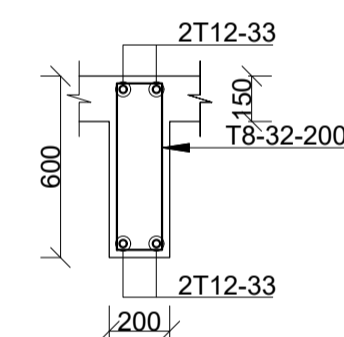
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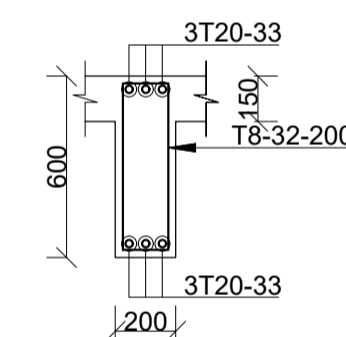
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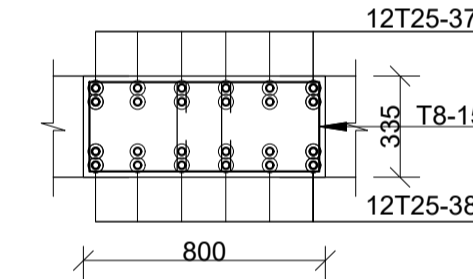
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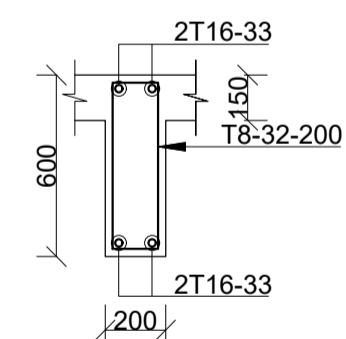
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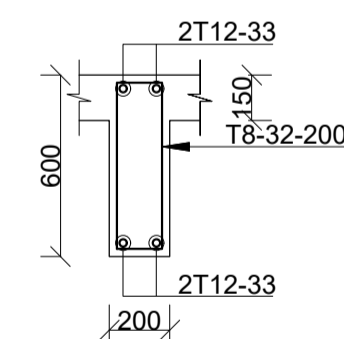
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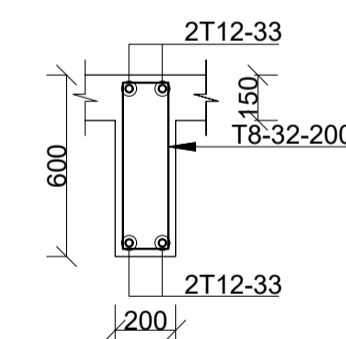
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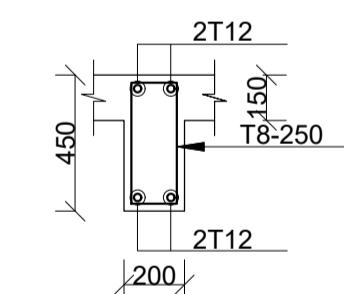
FBM08 (200X600)



FBM09 (200X600)



FBM10 (200X600)



RING BEAM

NOTES

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- U/S - Upstand beam.
- Design soil bearing capacity = 300KN/M²

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date	descriptions

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COPERK CONSULTANTS LTD
(CIVIL & STRUCTURAL ENGINEERS)
P.O. BOX 14548-00800 Nairobi.
TELEPHONE: +254726100899.

Drawing title:

TYPICAL FLOOR LAYOUT & BEAMS R.C DETAILS

Designed by: M.K

Drawn by: M.K

Checked by: F.N

Approved by: F.N.

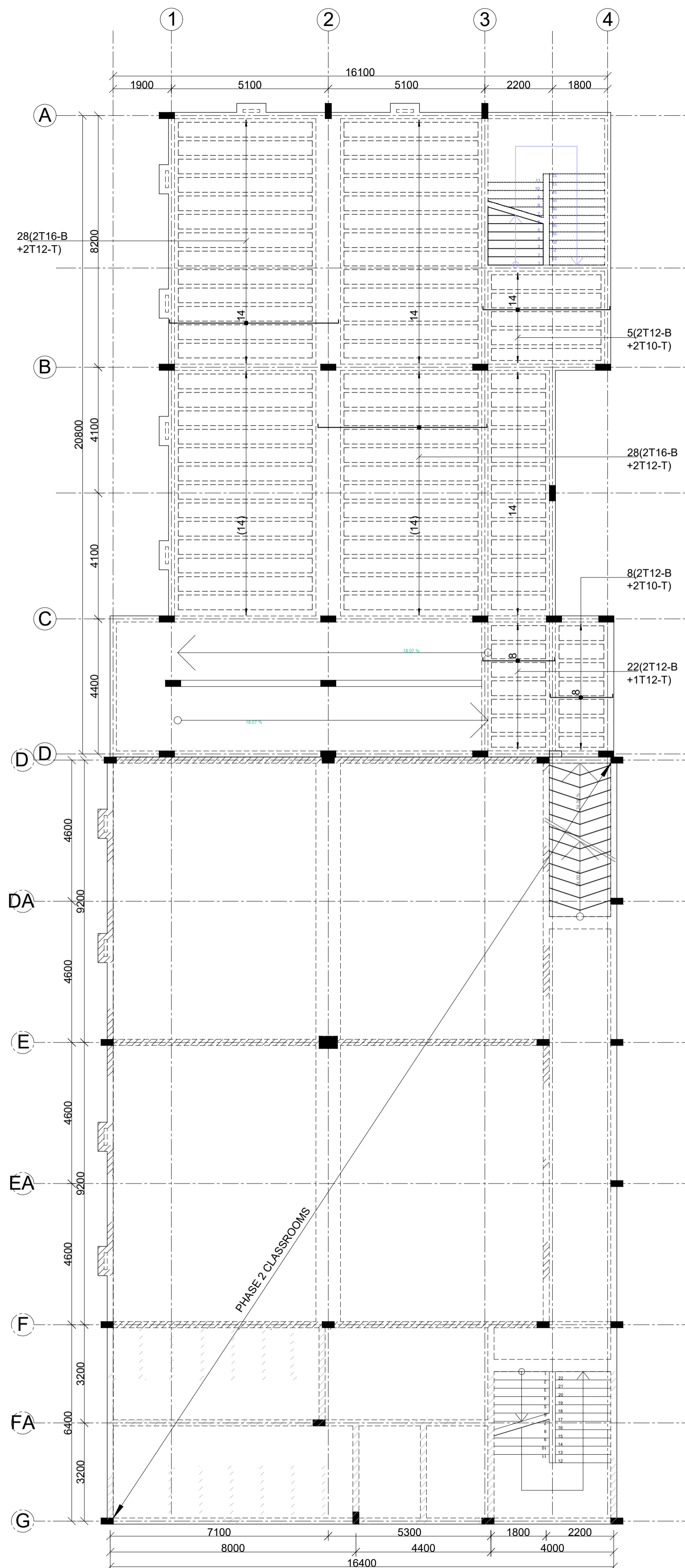
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Date: FEB-2024

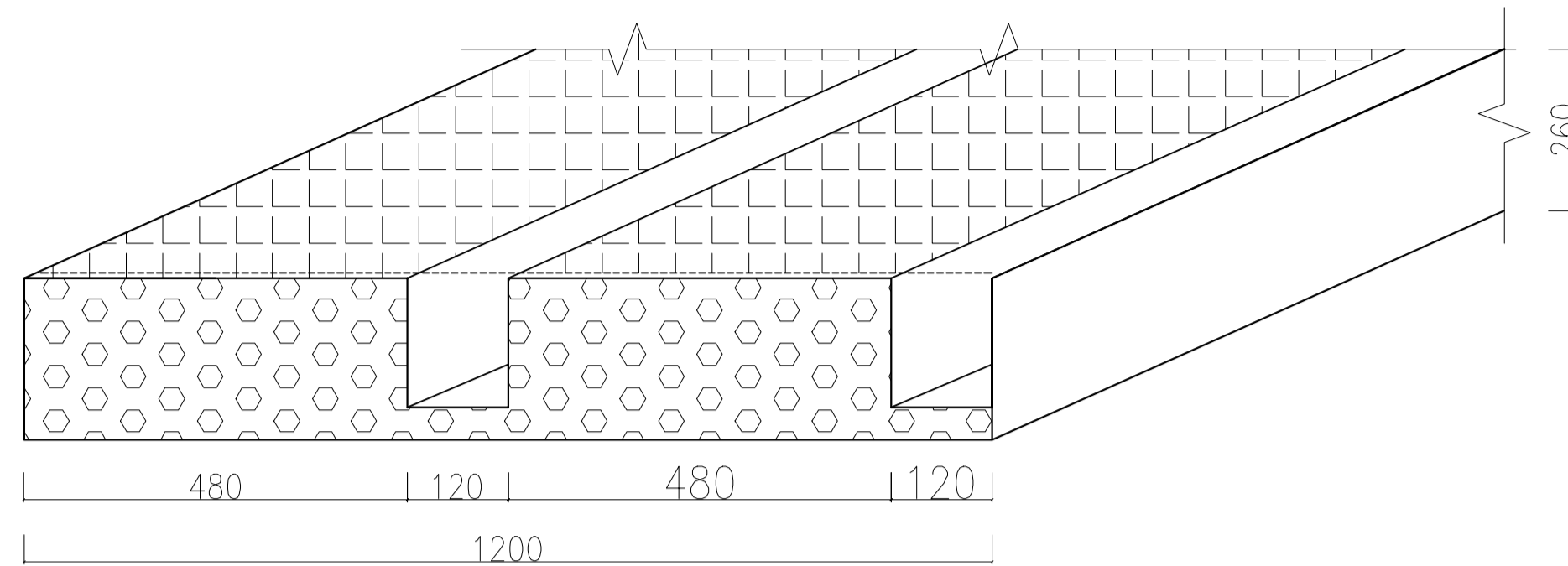
Drawing No. 0223/STR/03

Drng status

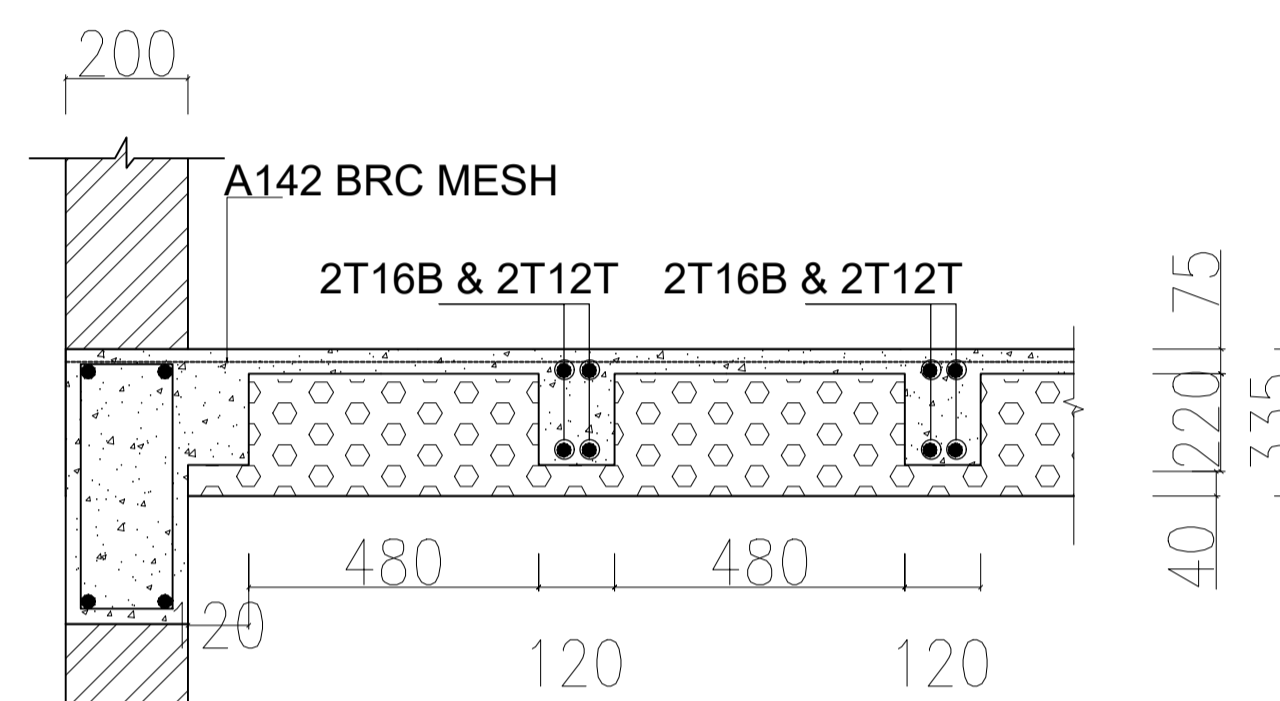
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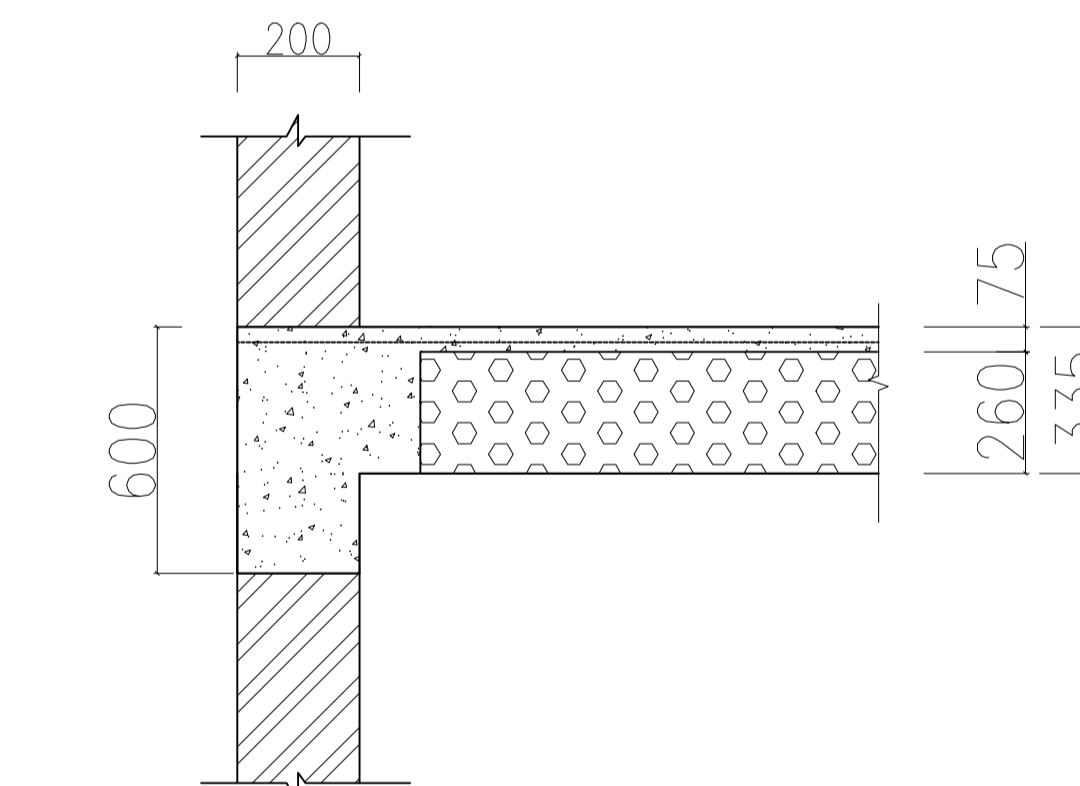
TYPICAL FLOOR R.C DETAILS (1ST-3RD)
335MM THICK EPS SLAB (260MM EPS+75MM
CONCRETE TOPPING)
 SCALE 1:100



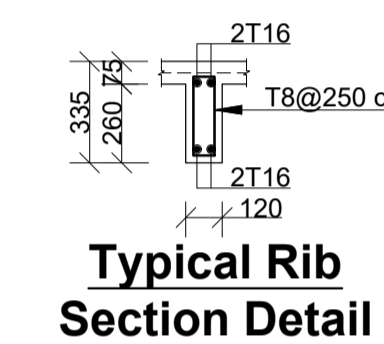
TYPICAL FLOOR EPS PANEL DETAIL
(1200x3000x260mm)



SECTION 1-1



SECTION 2-2



Typical Rib Section Detail

NOTES

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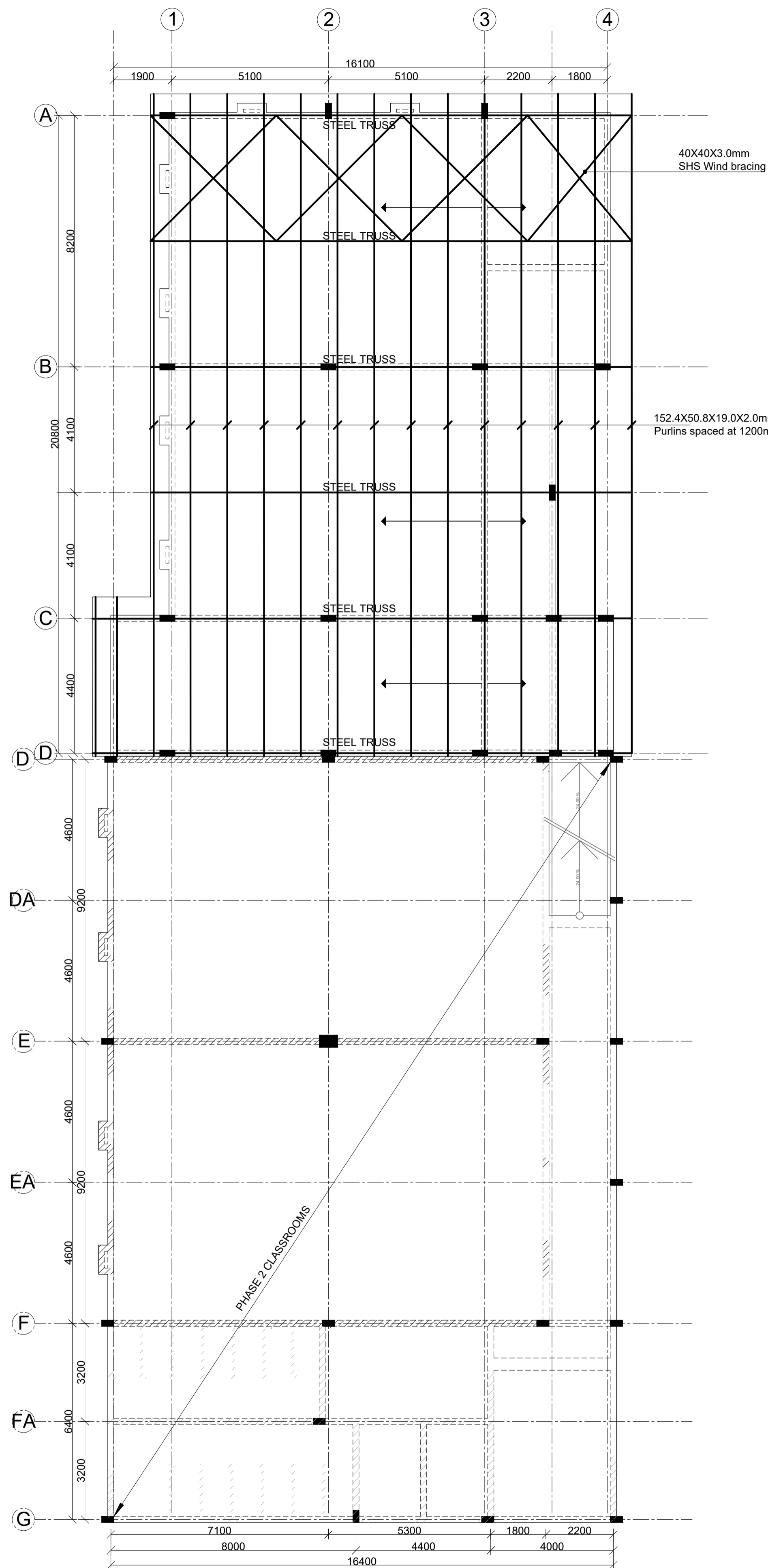
Drawing title:
TYPICAL FLOOR R.C DETAILS

Designed by: M.K Drawn by: M.K

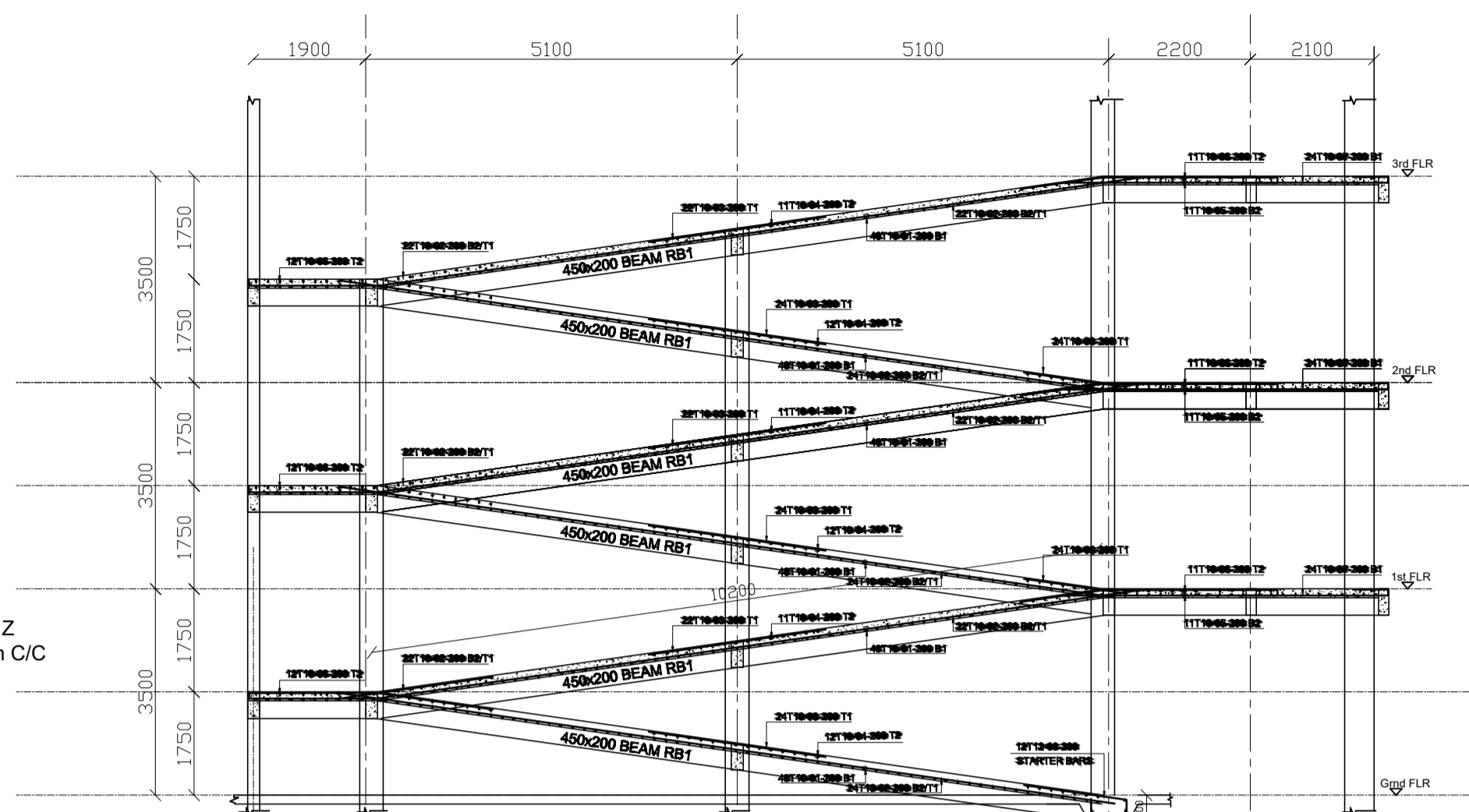
Checked by: F.N Approved by: F.N.

Scales: 1:25, 1:50, 1:75, 1:100 Date: FEB-2024

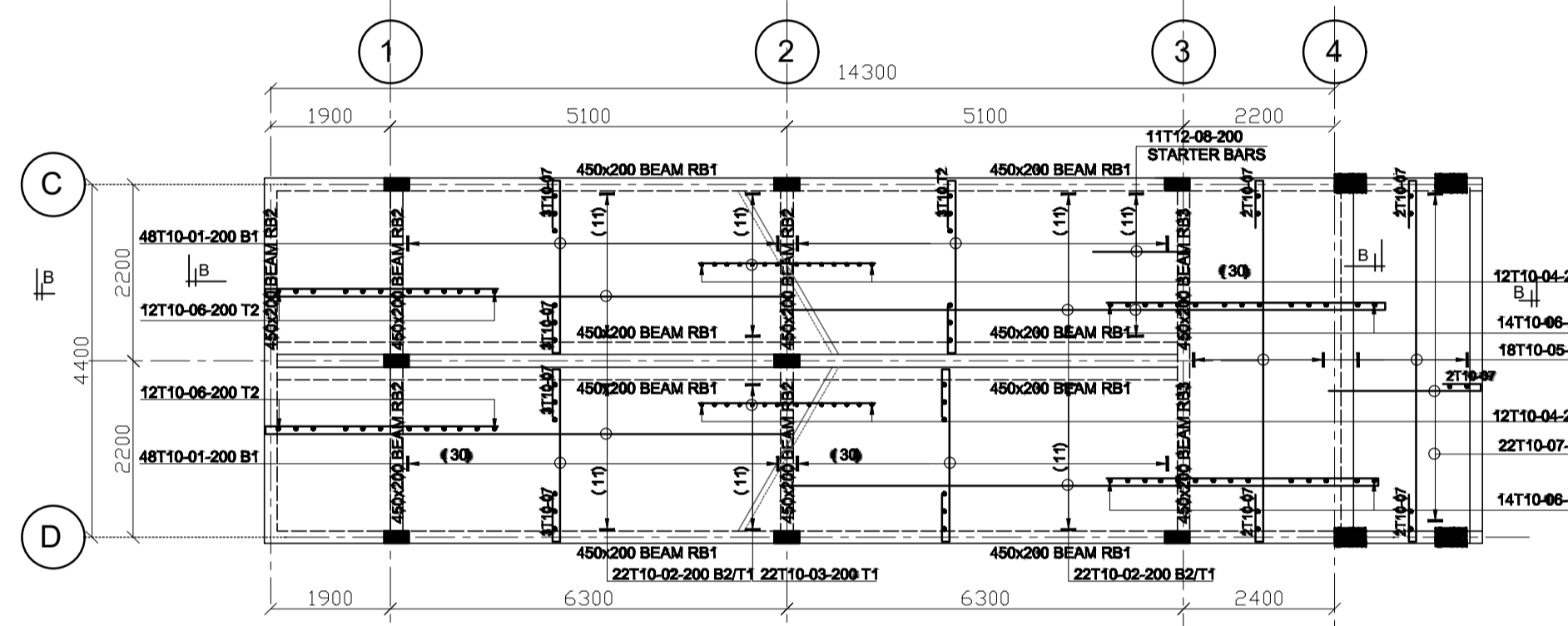
Drawing No. 0223/STR/04 Drg status: F



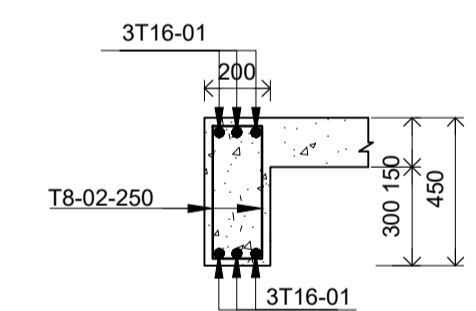
ROOF LAYOUT
SCALE 1:100



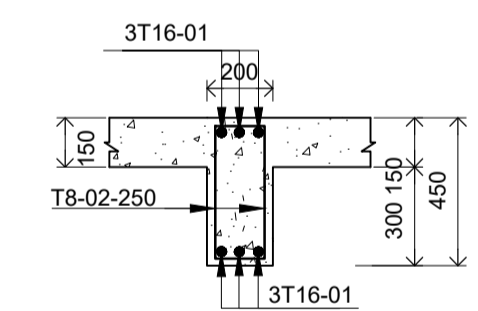
SECTION B-B
Scale: 1:100



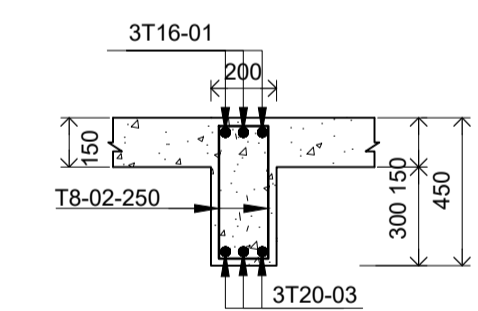
150mm THICK RAMP LAYOUT
Scale: 1:100



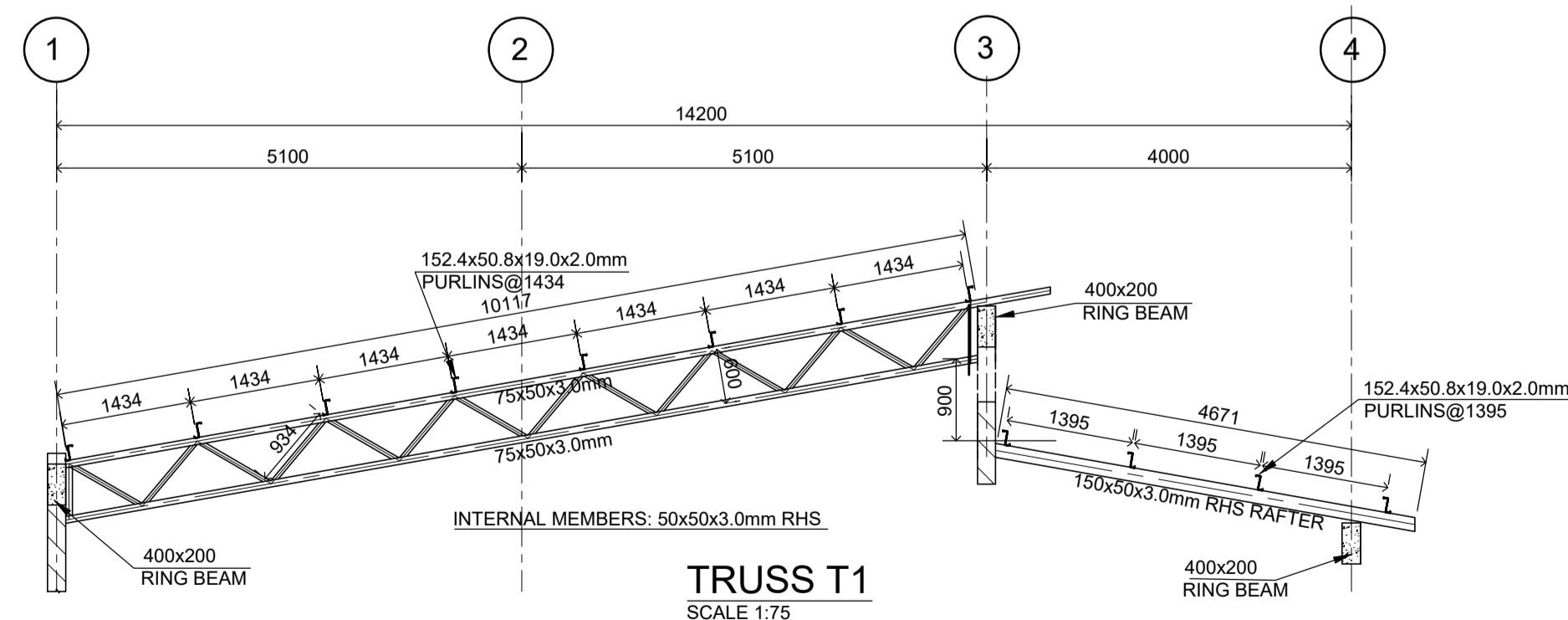
450x200 RC BEAM RB1
SCALE 1:25



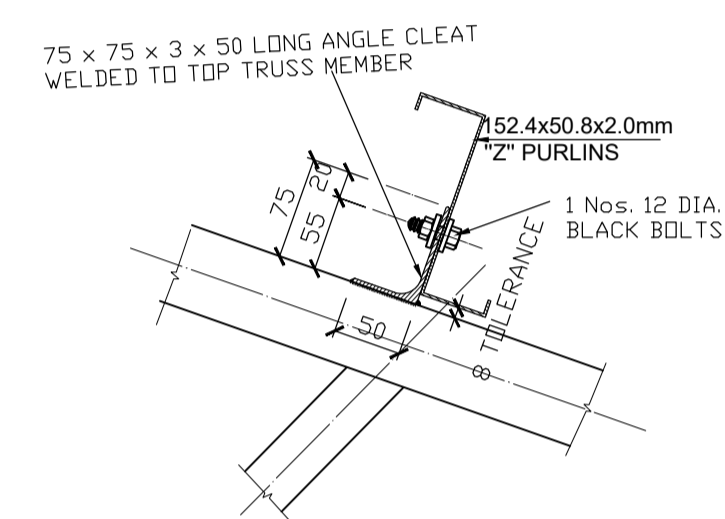
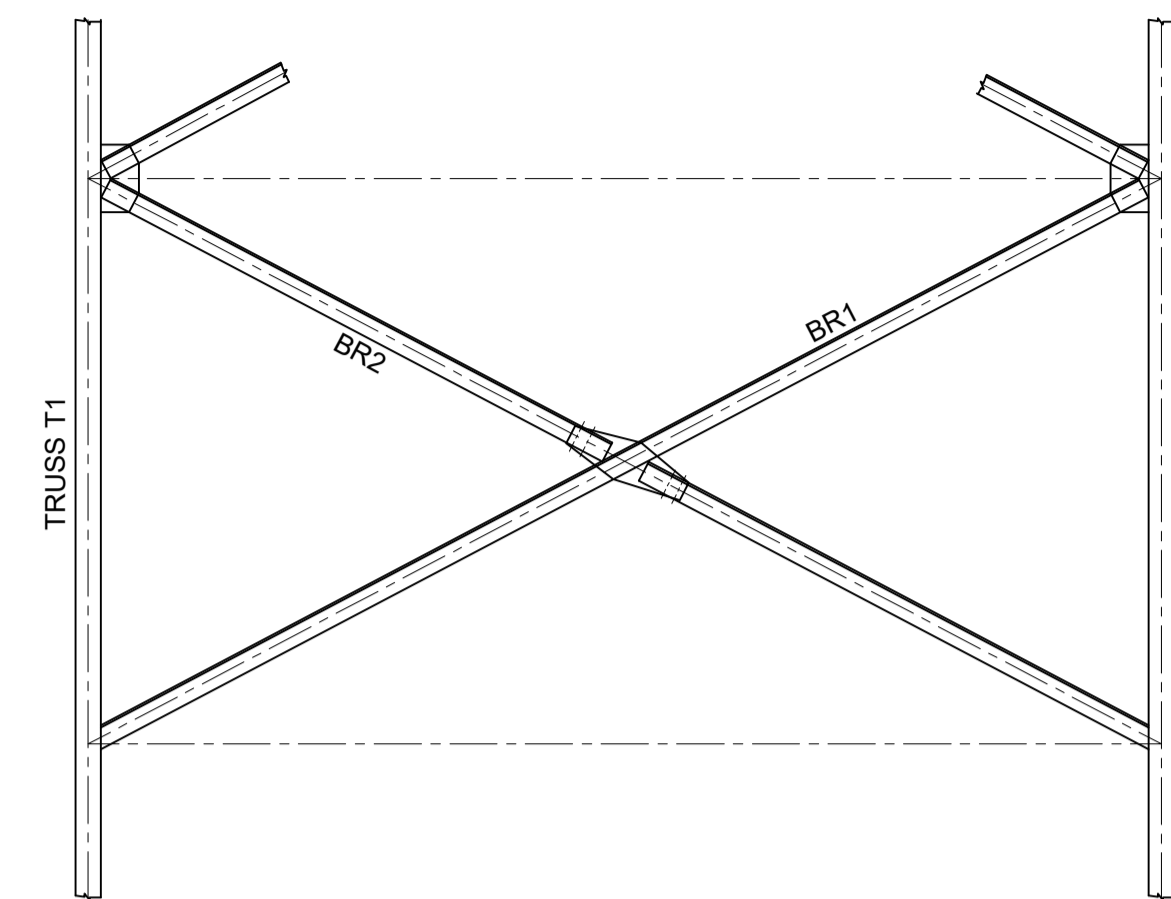
450x200 RC BEAM RB2
SCALE 1:25



450x200 RC BEAM RB3
SCALE 1:25



TRUSS T1
SCALE 1:75



PURLIN TO TRUSS CONNECTION
SCALE 1:5

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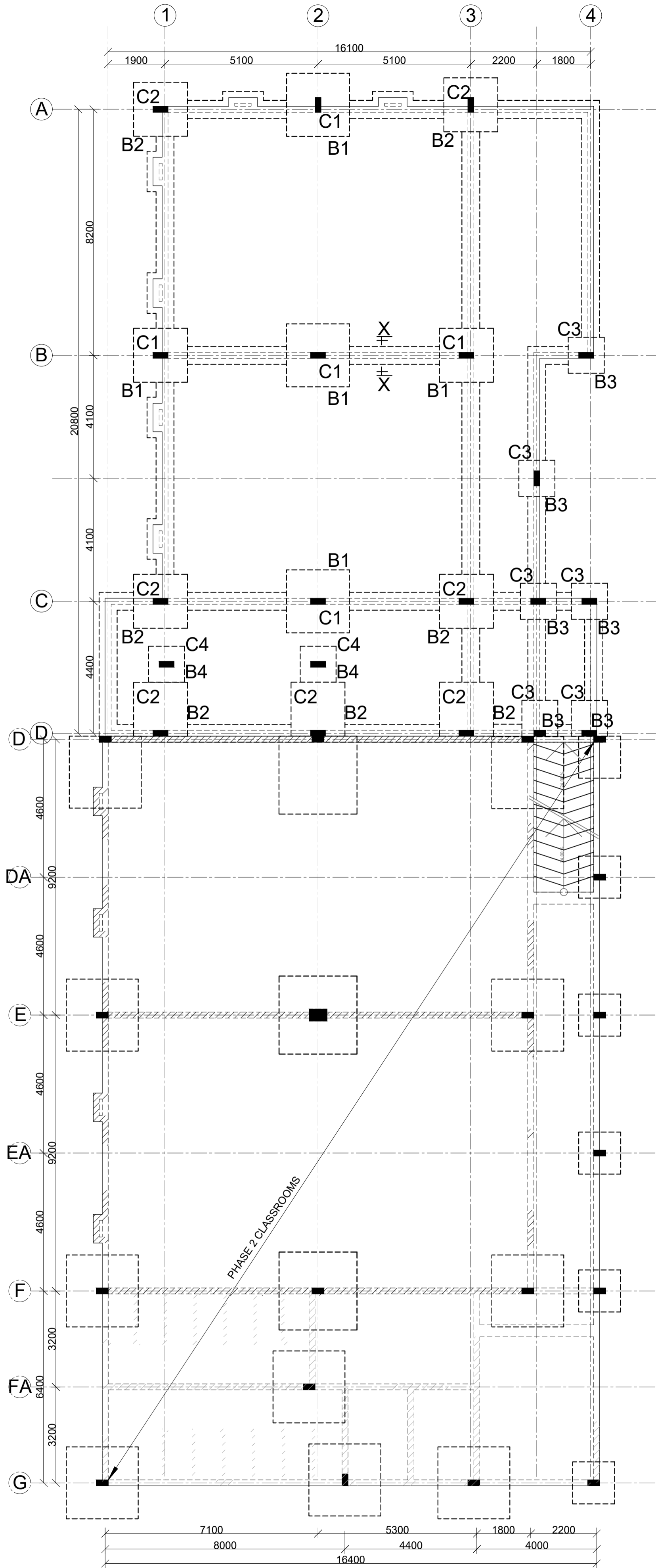
Drawing title:
ROOF LAYOUT & DETAILS, RAMP R.C DETAILS

Designed by: M.K Drawn by: M.K

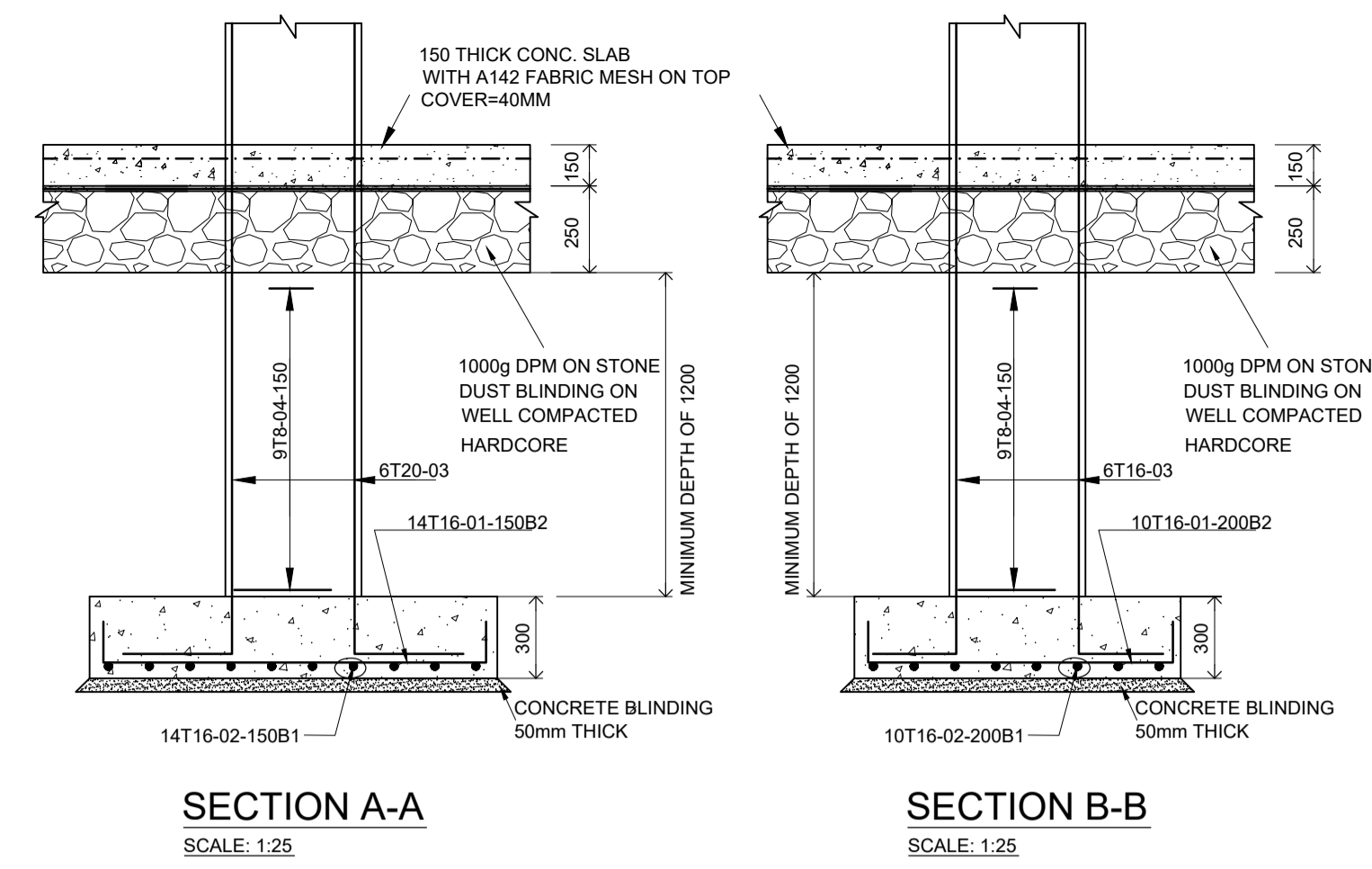
Checked by: F.N Approved by: F.N.

Scales: 1:25, 1:50, 1:75, 1:100 Date: FEB-2024

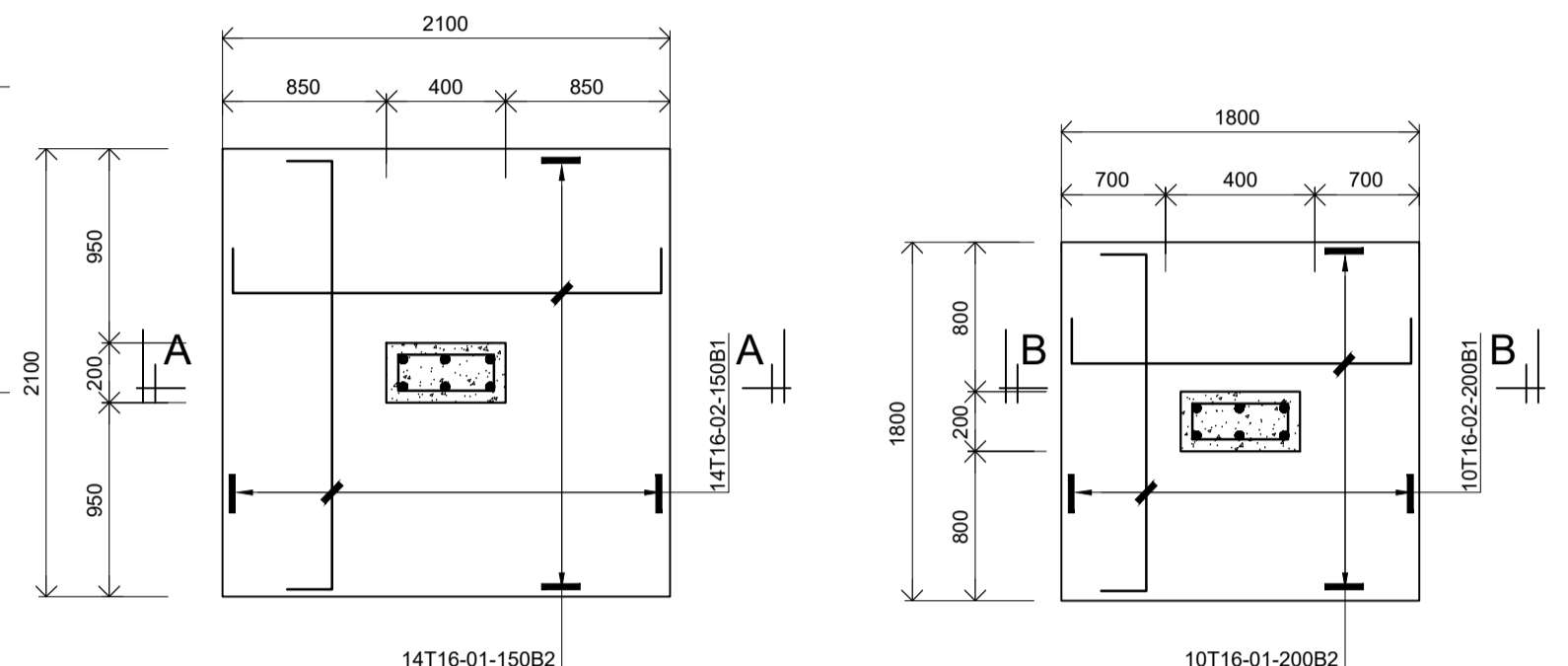
Drawing No. 0223/STR/05 Drg status: F



FOUNDATION LAYOUT (1ST-3RD)
SCALE 1:100

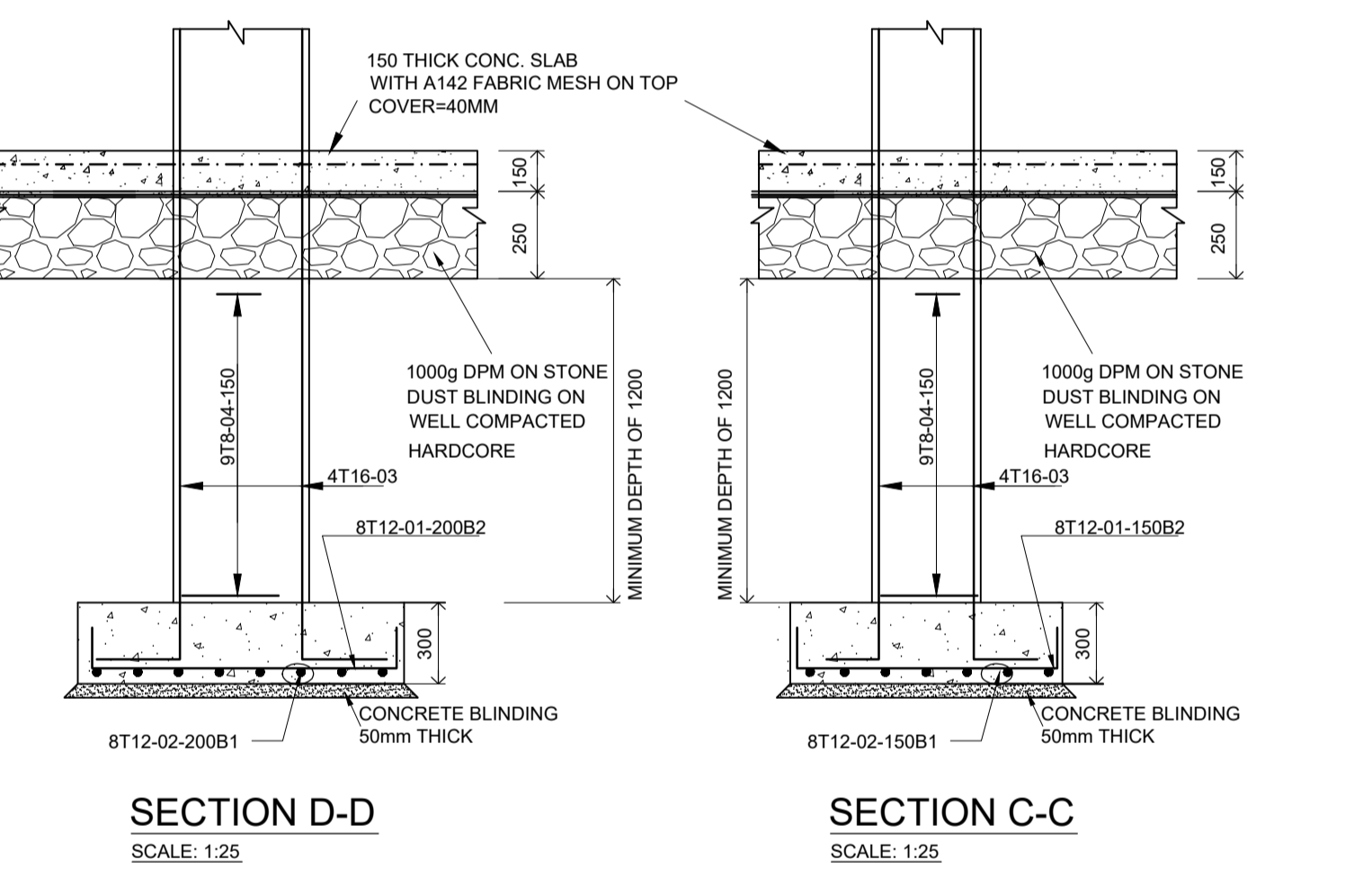


SECTION A-A SCALE: 1:25
SECTION B-B SCALE: 1:25

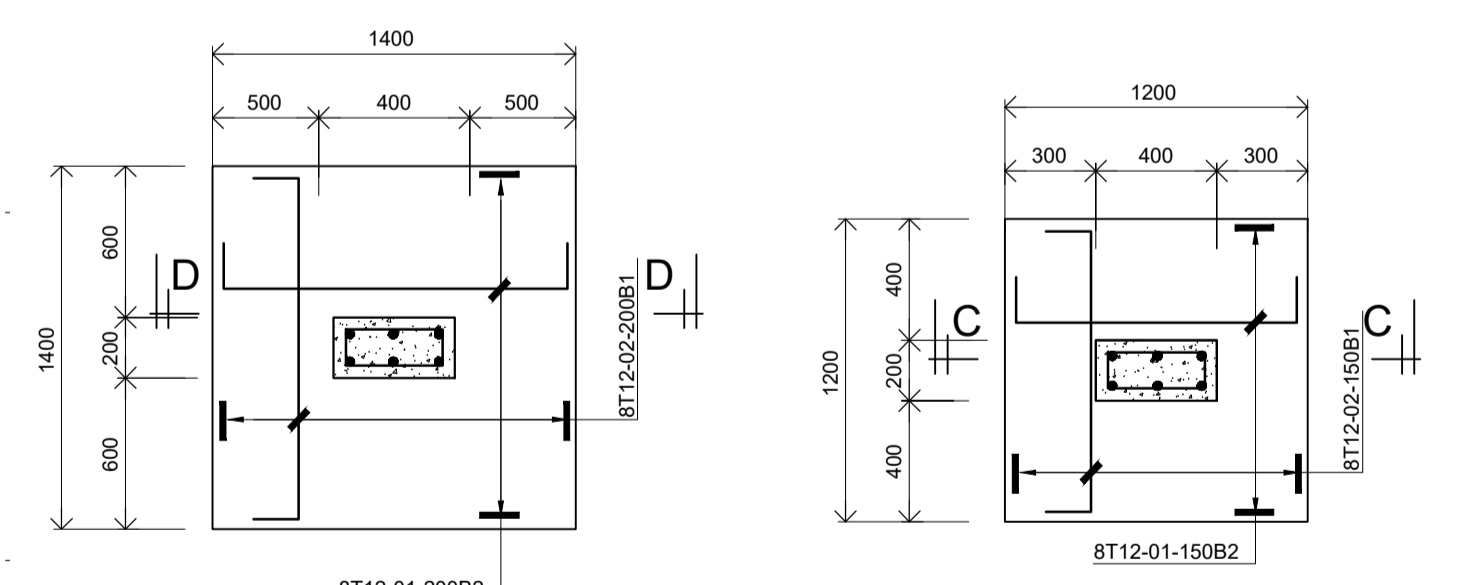


400X200 COLUMN C1
2100SQX400 RC BASE B1
TOTAL NO. = 5
SCALE: 1:25

400X200 COLUMN C2 ON
1800SQX300 RC BASE B2
TOTAL NO. = 7
SCALE: 1:25

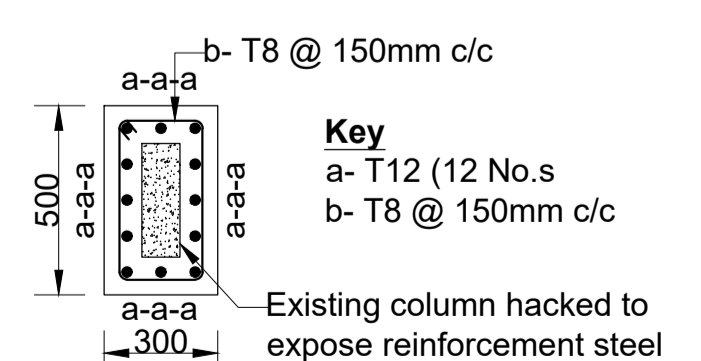


SECTION D-D SCALE: 1:25
SECTION C-C SCALE: 1:25



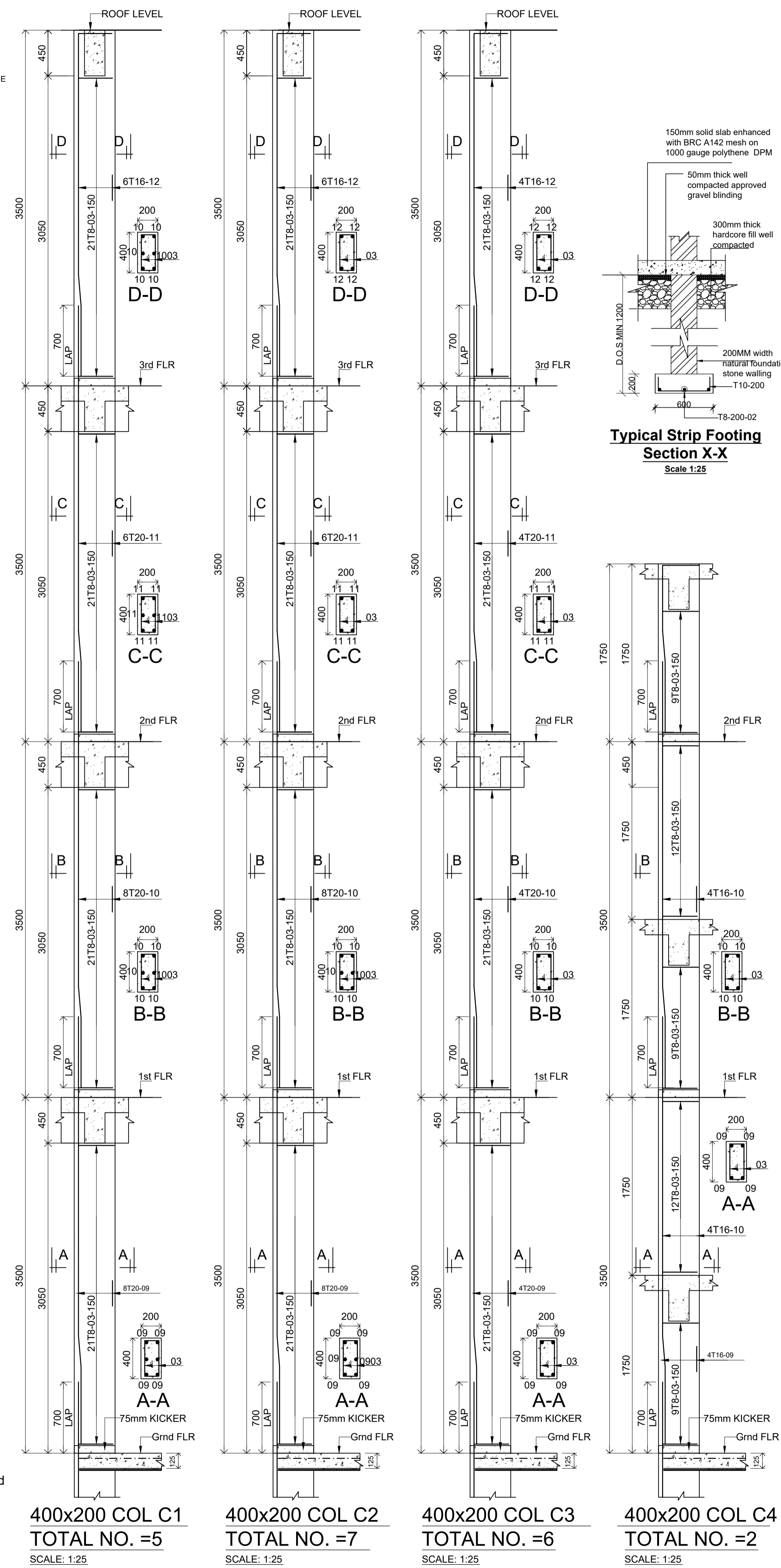
400X200 COLUMN C3 ON
1400SQX300 RC BASE B3
TOTAL NO. = 6
SCALE: 1:25

400X200 COLUMN C4/C5 ON
1200SQX300 RC BASE B4
TOTAL NO. = 2
SCALE: 1:25

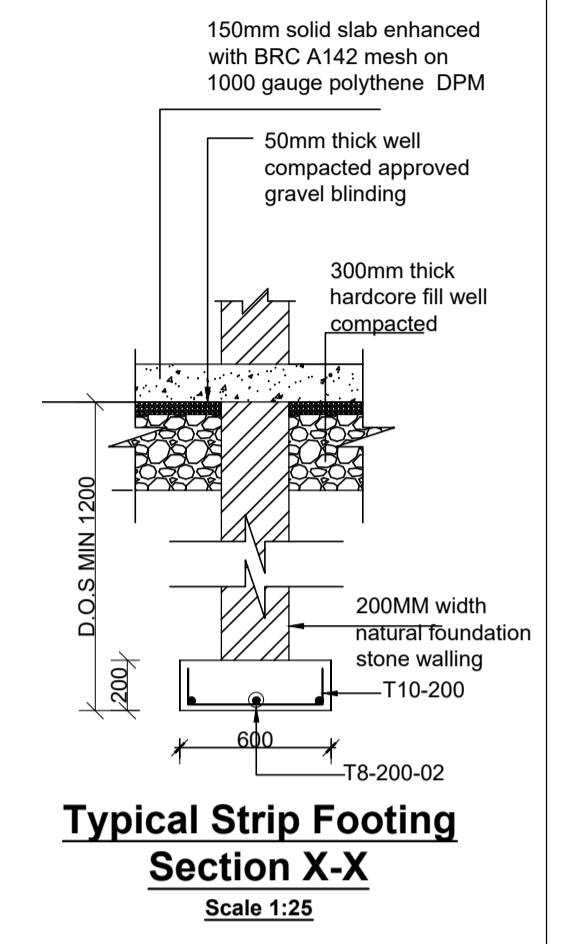


Typical Column Jacketing
reinforcement detail
through Section A-A
Scale 1:25

- Jacketing Notes**
- Hack existing columns to expose the reinforcement steel.
 - Fix 12 No.s T12 bars around the column. (Jacketing)
 - Clean the surface and apply fresh concrete to old concrete bonding agent.
 - Place Class 30 concrete to increase the column section size to 500x300mm



400x200 COL C1 TOTAL NO. =5 SCALE: 1:25
400x200 COL C2 TOTAL NO. =7 SCALE: 1:25
400x200 COL C3 TOTAL NO. =6 SCALE: 1:25
400x200 COL C4 TOTAL NO. =2 SCALE: 1:25



Typical Strip Footing
Section X-X
Scale 1:25

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Beams - 25mm
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 - Black cotton soil to be removed and replaced with approved fill.
 - D.O.S - Determined On Site
 - U/S - Upstand beam.
 - Design soil bearing capacity = 300KN/M²

REVISIONS	
date	descriptions

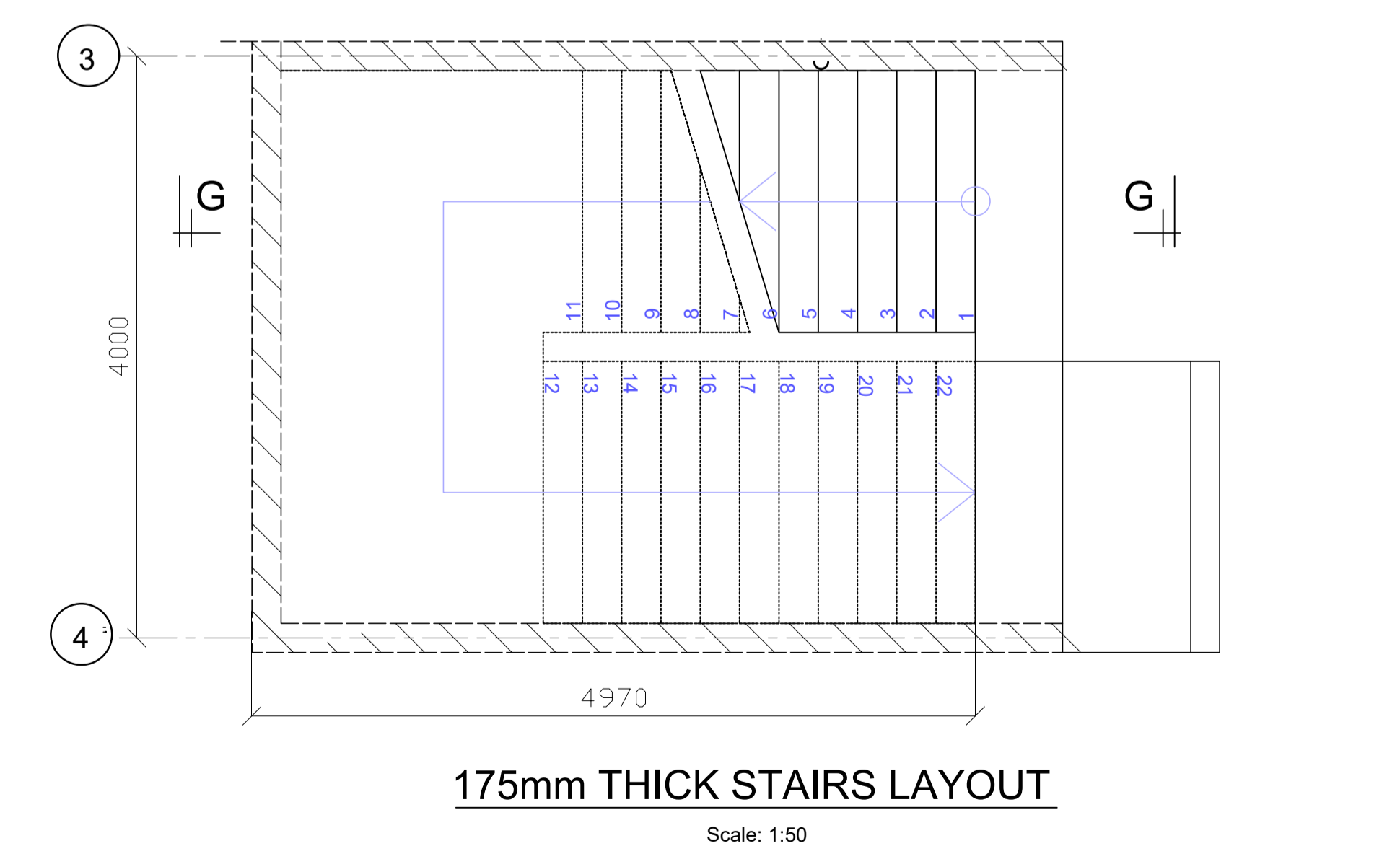
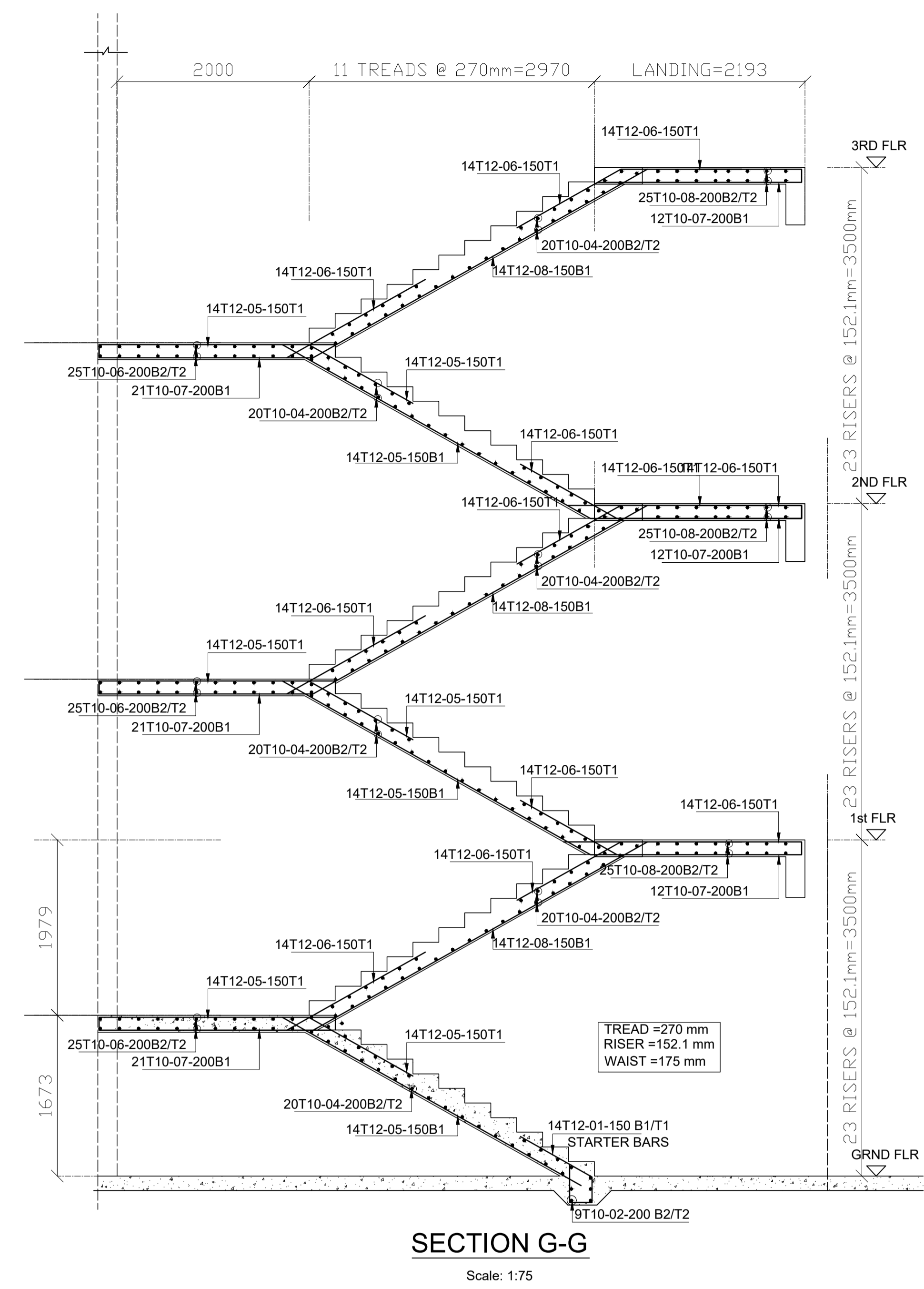
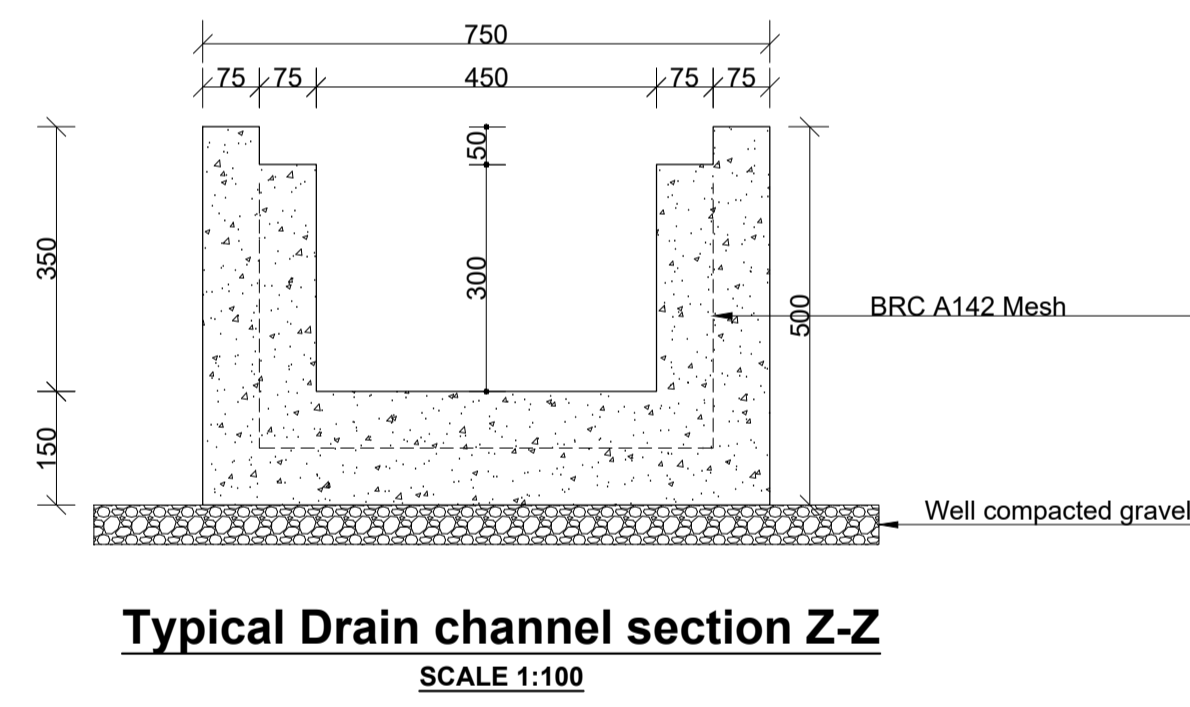
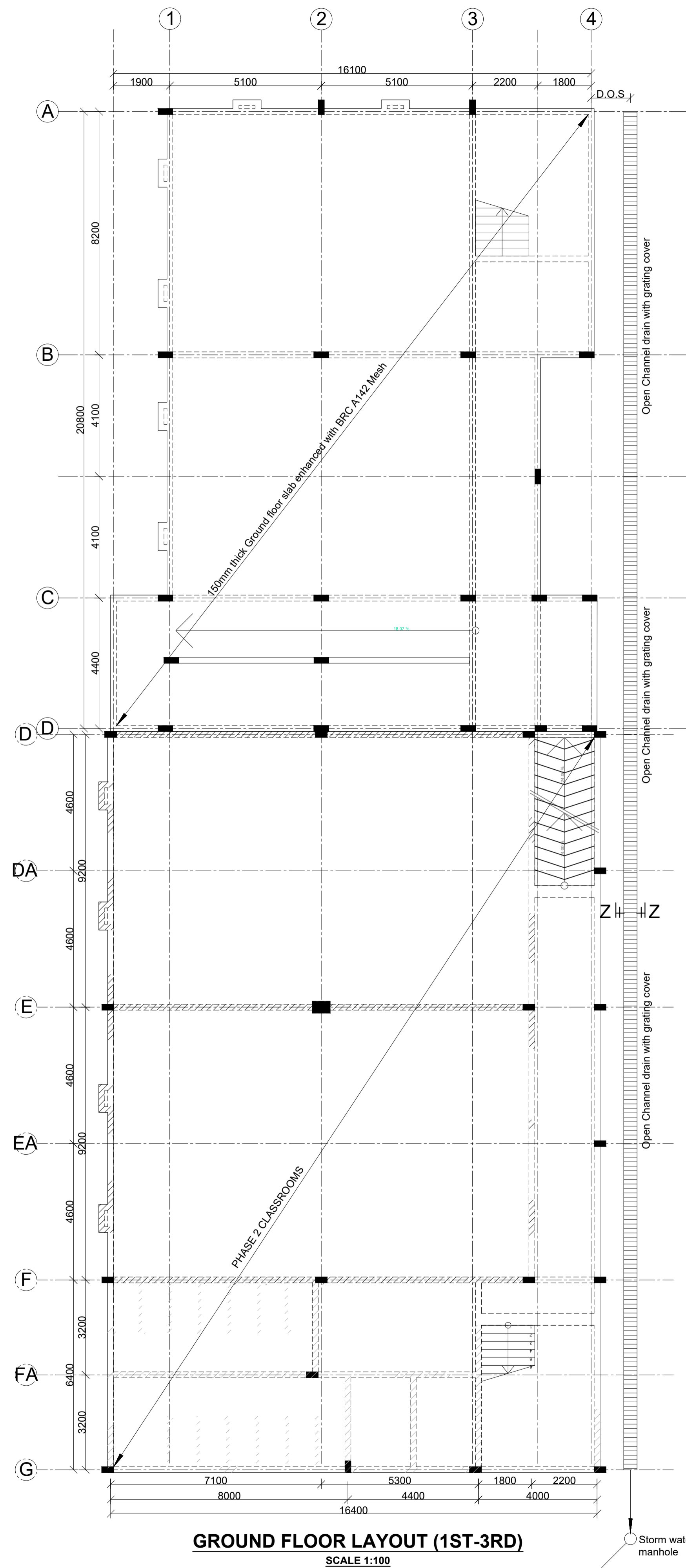
Client:
THE CO-OPERATIVE UNIVERSITY OF KENYA

Project:
COMPLETION OF THE PROPOSED LECTURE THEATRE III ANNEX-PHASE 1

Consultants:
COPERK CONSULTANTS LTD
(CIVIL & STRUCTURAL ENGINEERS)
P.O. BOX 14548-00800 Nairobi.
TELEPHONE: +254726100899.

Drawing title:
FOUNDATION LAYOUT, GROUND FLOOR LAYOUT, FOUNDATION R.C DETAILS, COLUMN R.C DETAILS

Designed by: M.K	Drawn by: M.K
Checked by: F.N	Approved by: F.N.
Scales: 1:25, 1:50, 1:75, 1:100	Date: FEB-2024
Drawing No. 0223/STR/01	Drng status: F



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 - U/S - Upstand beam.
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REVISIONS	
date	descriptions

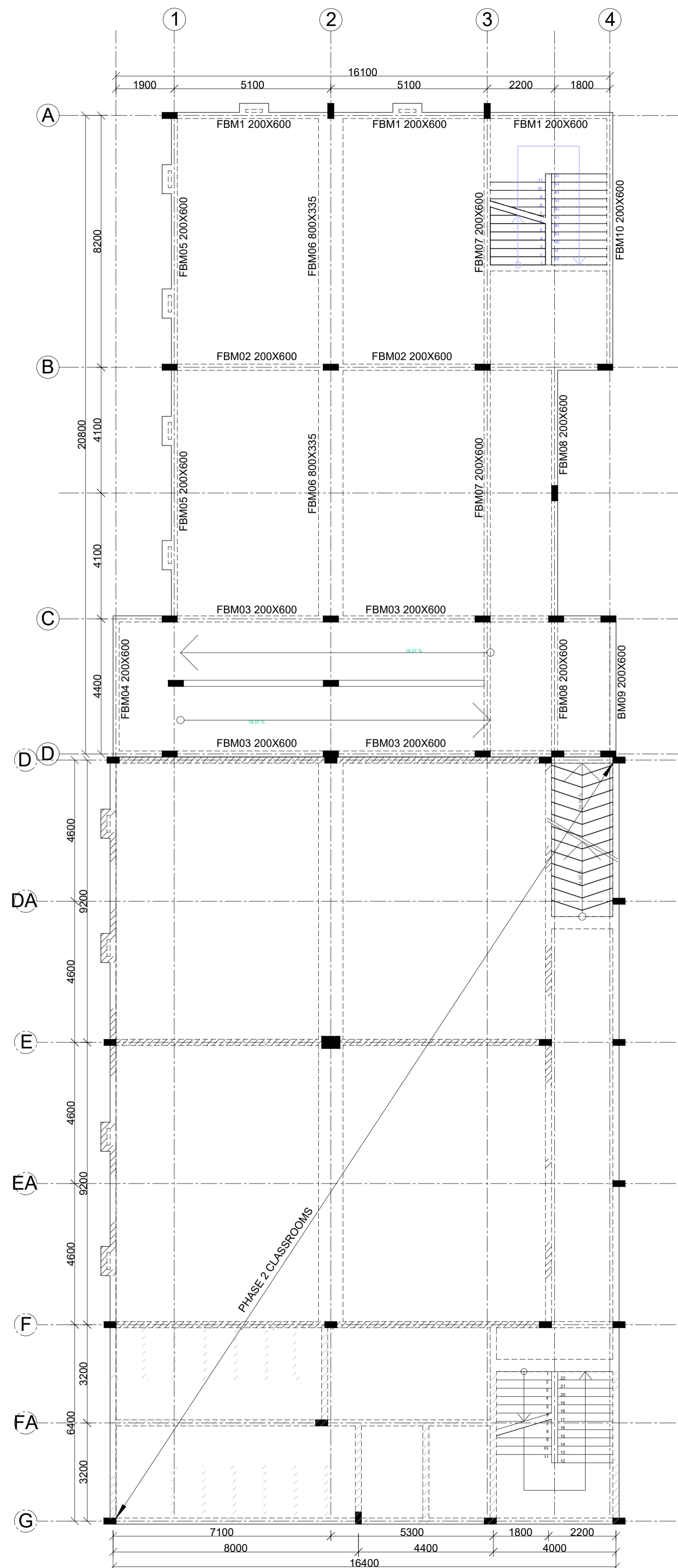
Client:
THE CO-OPERATIVE UNIVERSITY OF KENYA

Project:
COMPLETION OF THE PROPOSED LECTURE THEATRE III ANNEX-PHASE 1

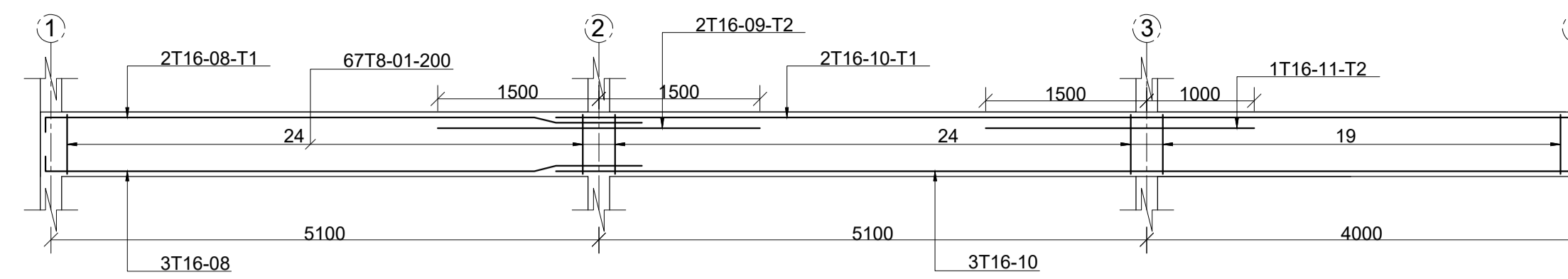
Consultants:
COPERK CONSULTANTS LTD
(CIVIL & STRUCTURAL ENGINEERS)
P.O. BOX 14548-00800 Nairobi.
TELEPHONE: +254726100899.

Drawing title:
GROUND FLOOR LAYOUT, STAIRCASE R.C DETAILS, DRAINAGE CHANNEL SECTION DETAILS

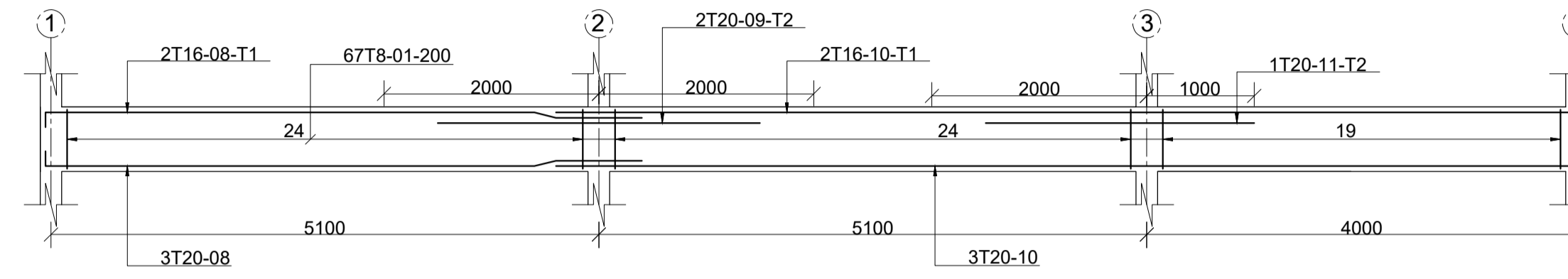
Designed by: M.K	Drawn by: M.K
Checked by: F.N	Approved by: F.N.
Scales: 1:25, 1:50, 1:75, 1:100	
Date: FEB-2024	
Drawing No. 0223/STR/02	Drng status: F



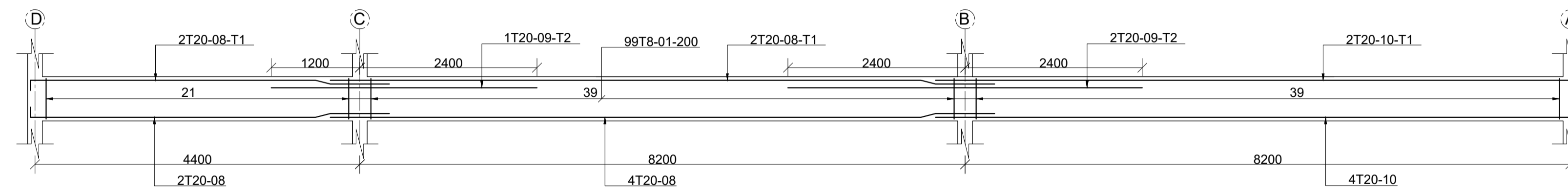
TYPICAL FLOOR LAYOUT (2ND-3RD)
SCALE 1:100



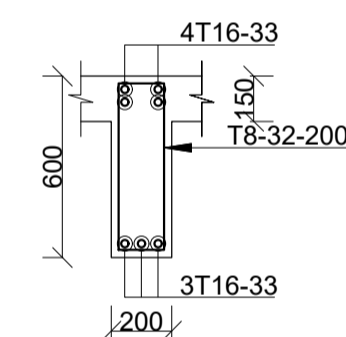
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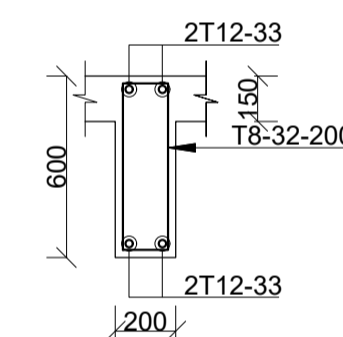
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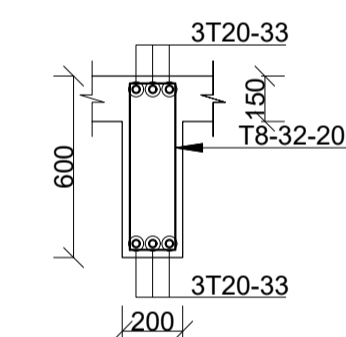
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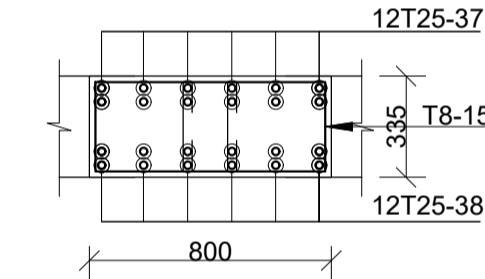
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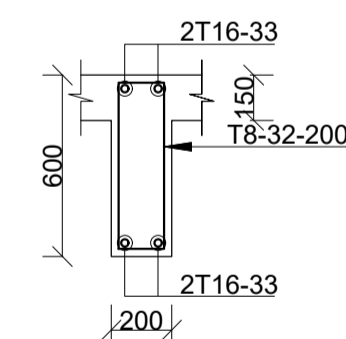
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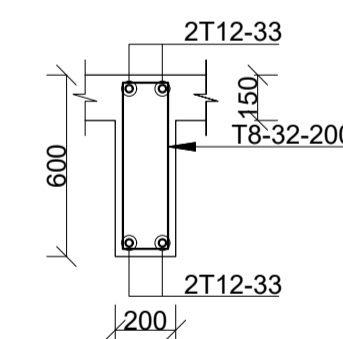
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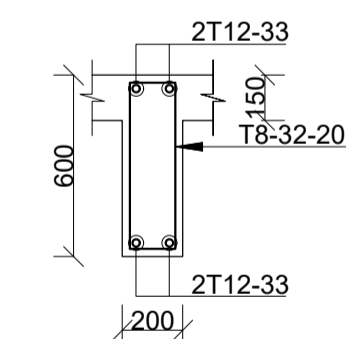
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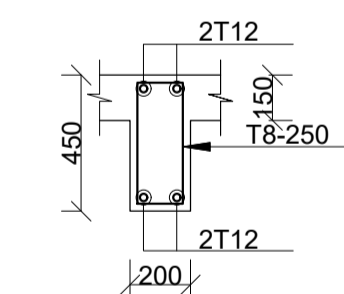
FBM08 (200X600)



FBM09 (200X600)



FBM10 (200X600)



RING BEAM

NOTES

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REVISIONS

date	descriptions

Client:

THE CO-OPERATIVE UNIVERSITY OF KENYA

Project:

COMPLETION OF THE PROPOSED LECTURE THEATRE III ANNEX-PHASE 1

Consultants:

COPERK CONSULTANTS LTD
(CIVIL & STRUCTURAL ENGINEERS)
P.O. BOX 14548-00800 Nairobi.
TELEPHONE: +254726100899.

Drawing title:

TYPICAL FLOOR LAYOUT & BEAMS R.C DETAILS

Designed by: M.K

Drawn by: M.K

Checked by: F.N

Approved by: F.N.

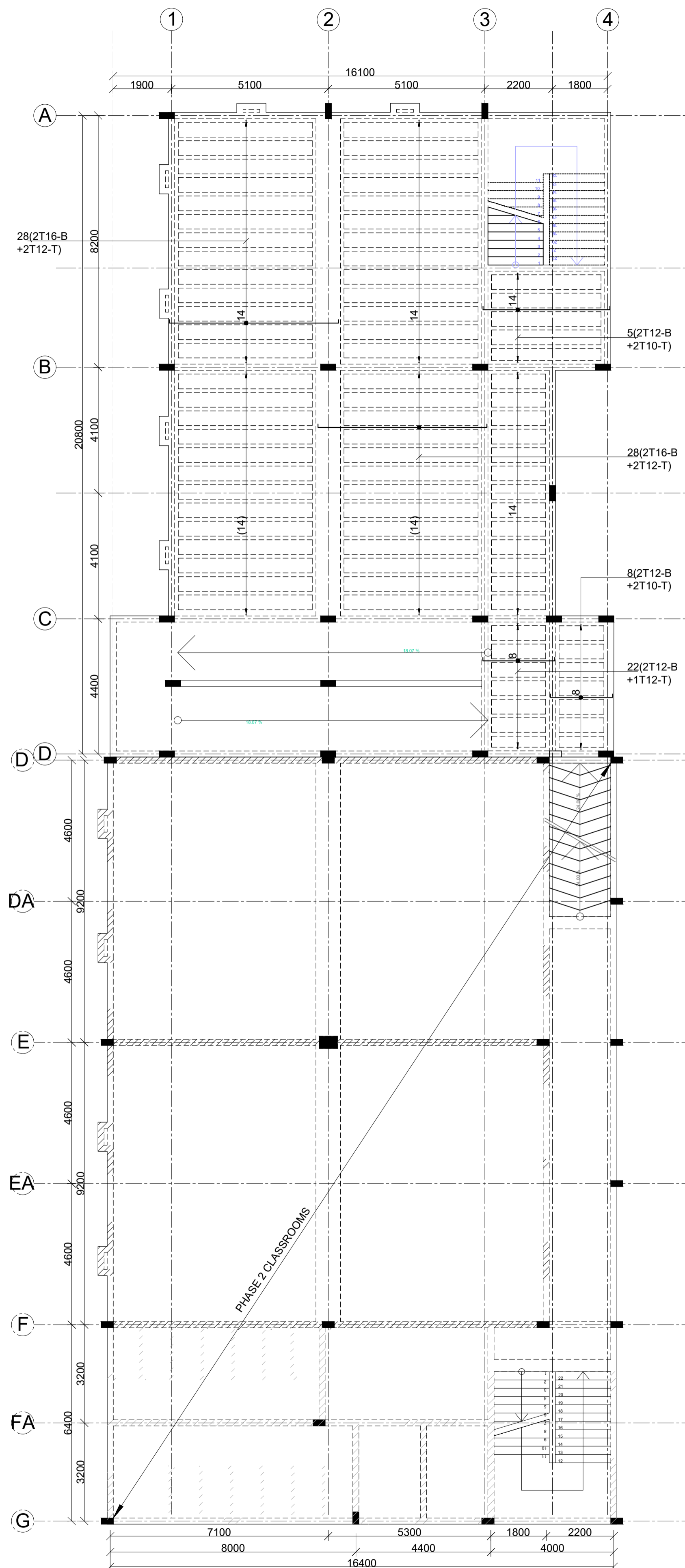
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Date: FEB-2024

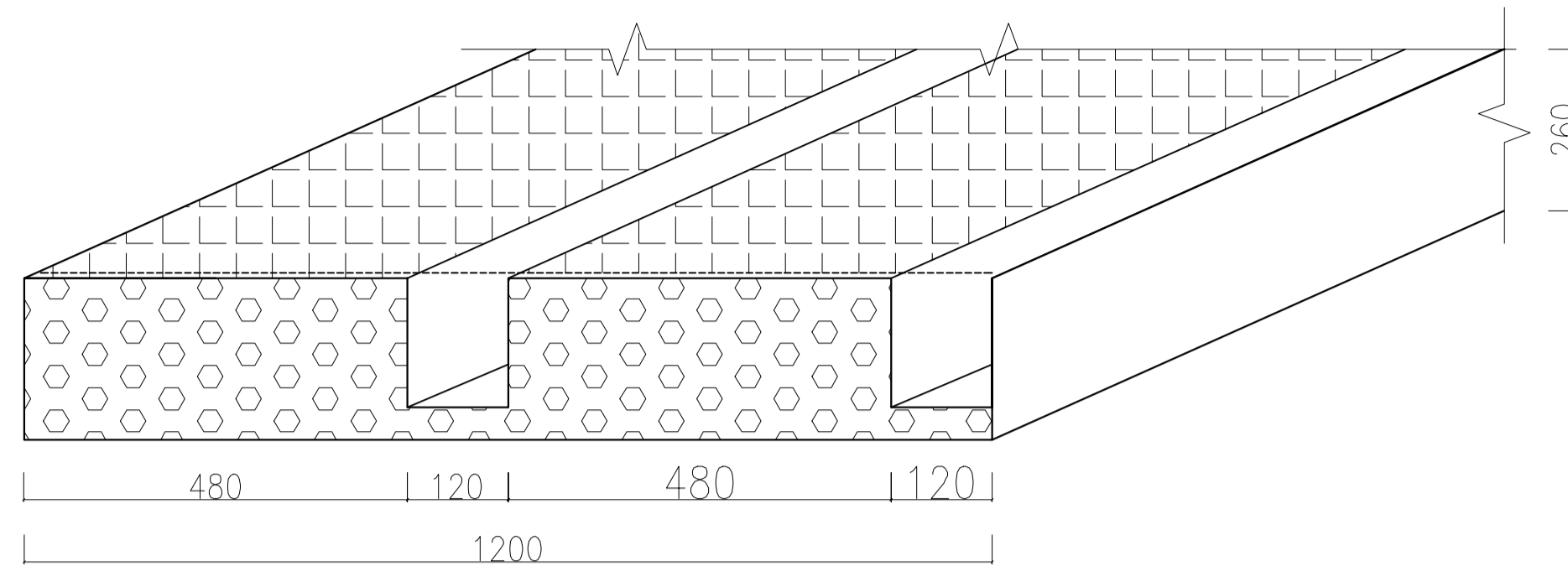
Drawing No. 0223/STR/03

Drng status

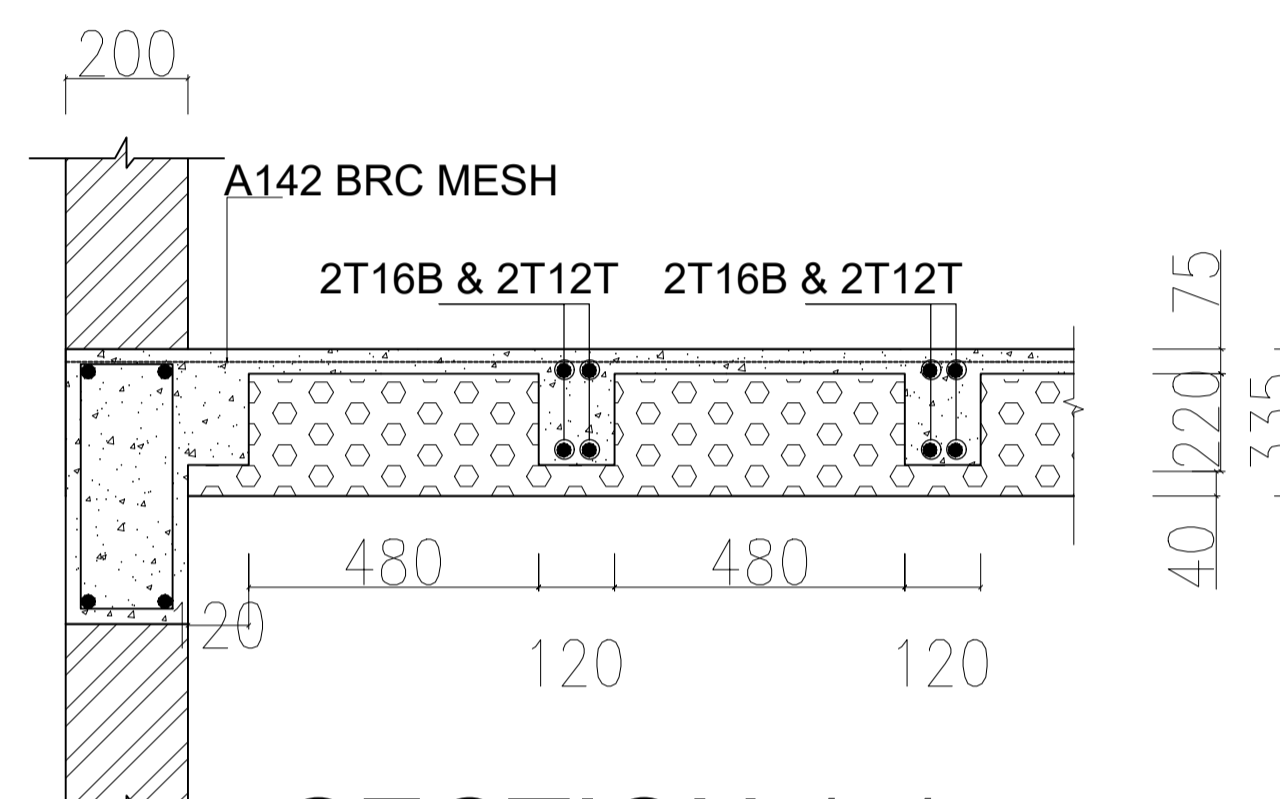
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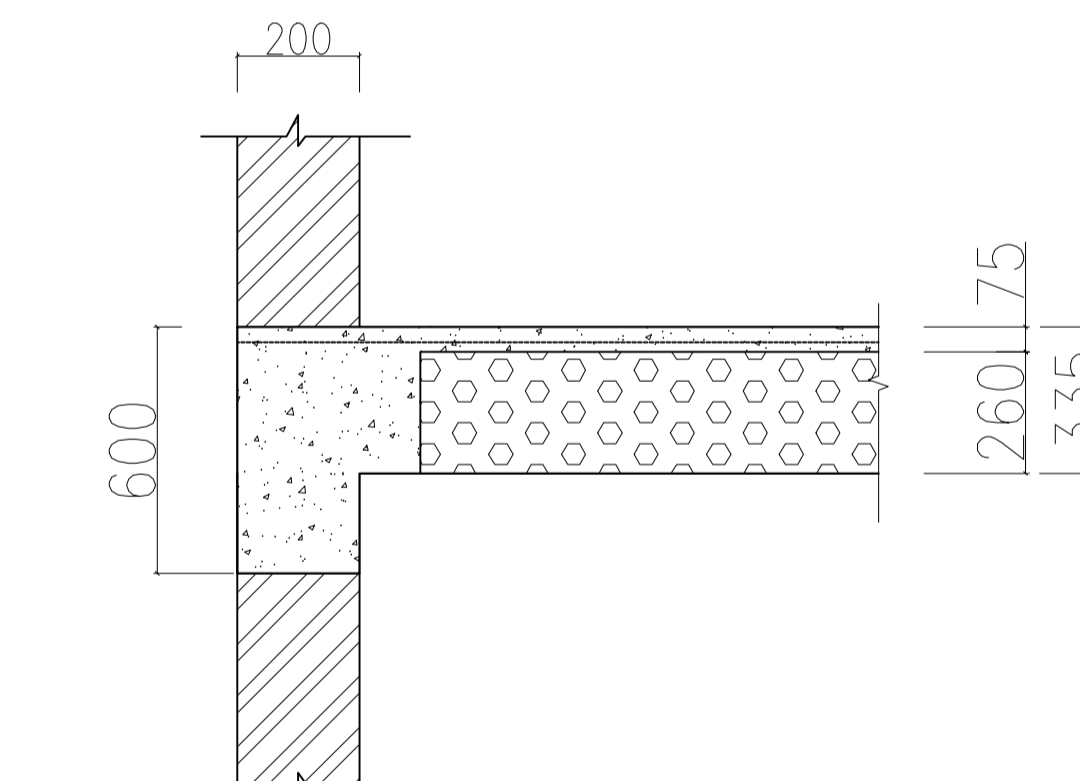
TYPICAL FLOOR R.C DETAILS (1ST-3RD)
335MM THICK EPS SLAB (260MM EPS+75MM
CONCRETE TOPPING)
 SCALE 1:100



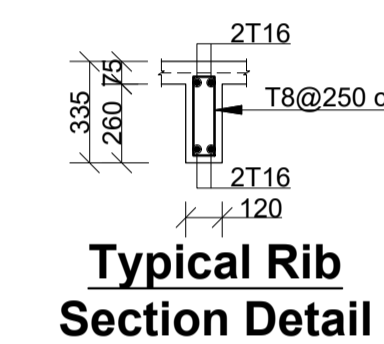
TYPICAL FLOOR EPS PANEL DETAIL
(1200x3000x260mm)



SECTION 1-1



SECTION 2-2



Typical Rib Section Detail

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 P.O. BOX 14548-00800 Nairobi.
 TELEPHONE: +254726100899.

Drawing title:
TYPICAL FLOOR R.C DETAILS

Designed by: M.K Drawn by: M.K

Checked by: F.N Approved by: F.N.

Scales: 1:25, 1:50, 1:75, 1:100 Date: FEB-2024

Drawing No. 0223/STR/04 Drg status: F



PART NO. 12: ELECTRICAL DRAWINGS

ELECTRICAL DRAWINGS

FOR THE

PROPOSED 8 NO. CLASS ROOMS


FOR COOPERATIVE UNIVERSITY-

KAREN

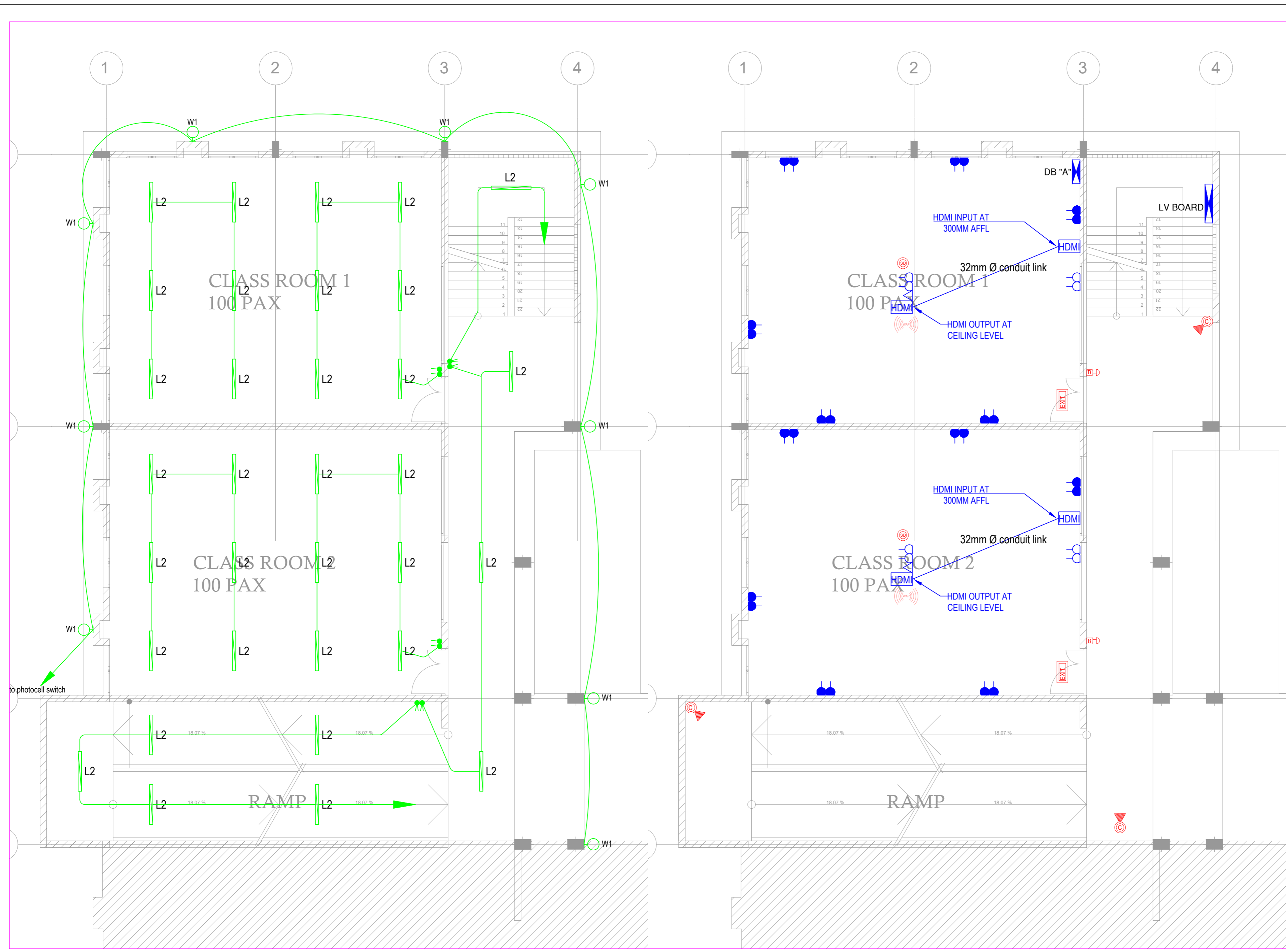
PHASE 1

No.	NOTES
1.	All dimensions are in mm.unless otherwise stated.
2.	All conduits to be inspected before casting of the slab

REVISIONS		
no.	date	descriptions
		Original Issue.

Client	COOPERATIVE UNIVERSITY
Signature _____	Date _____
Architect	 <small>P.O. Box 73758-00200 ,Nairobi Tel. (+254 2)249 6395 Cell:(+254) 722 642942</small>
Signature _____	Date _____
Project	PROPOSED 8 NO. CLASS ROOMS FOR COOPERATIVE UNIVERSITY- KAREN
Drg.title.	COVER PAGE

scale: 1:100 ON A2	ckd: WOO
date: MARCH 2024	
drawn by: WOO	Dsg by : WOO
drg. no.	sheet no. 01 OF 6



No.	NOTES
1.	All dimensions are in mm, unless otherwise stated.
2.	All conduits to be inspected before casting of the slab

REVISIONS		
no.	date	descriptions
		Original Issue.

Client
COOPERATIVE UNIVERSITY

Signature _____ Date _____

Architect

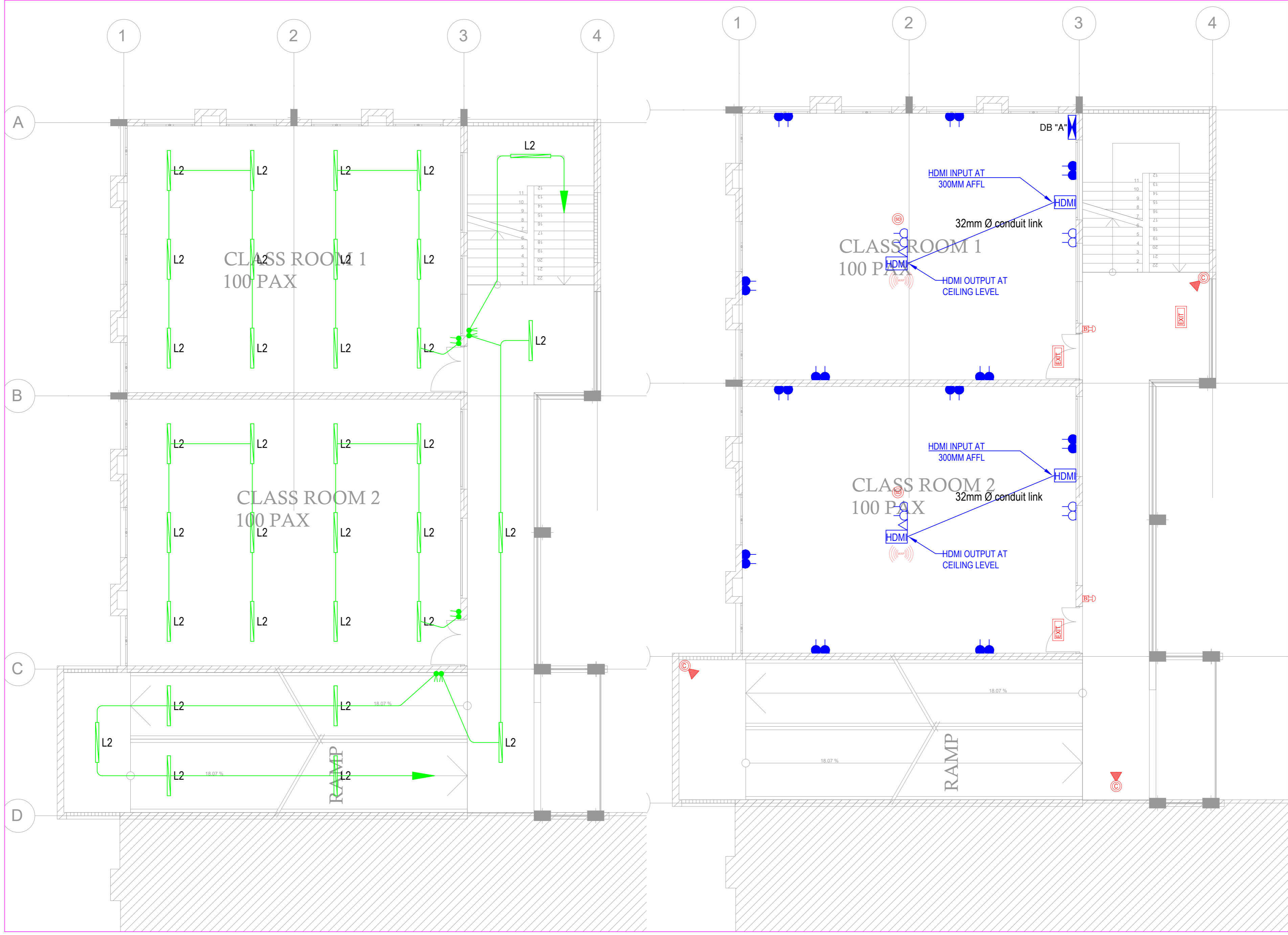
archtron
 ARCHITECTURAL SYSTEMS
 P.O. Box 73758-00200, Nairobi
 Tel. (+254 2) 249 6395
 Cell: (+254) 722 642942

Signature _____ Date _____

Project
PROPOSED 8 NO. CLASS ROOMS FOR COOPERATIVE UNIVERSITY-KAREN

Drg.title
GROUND FLOOR ELECTRICAL INSTALLATIONS LAYOUT

scale: 1:100 ON A2	ckd: WOO
date: MARCH 2024	
drawn by: WOO	Dsg by : WOO
drg. no.	sheet no. 02 OF 6



No.	NOTES
1.	All dimensions are in mm, unless otherwise stated.
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REVISIONS		
no.	date	descriptions
		Original Issue.

Client
COOPERATIVE UNIVERSITY

Signature _____ Date _____

Architect

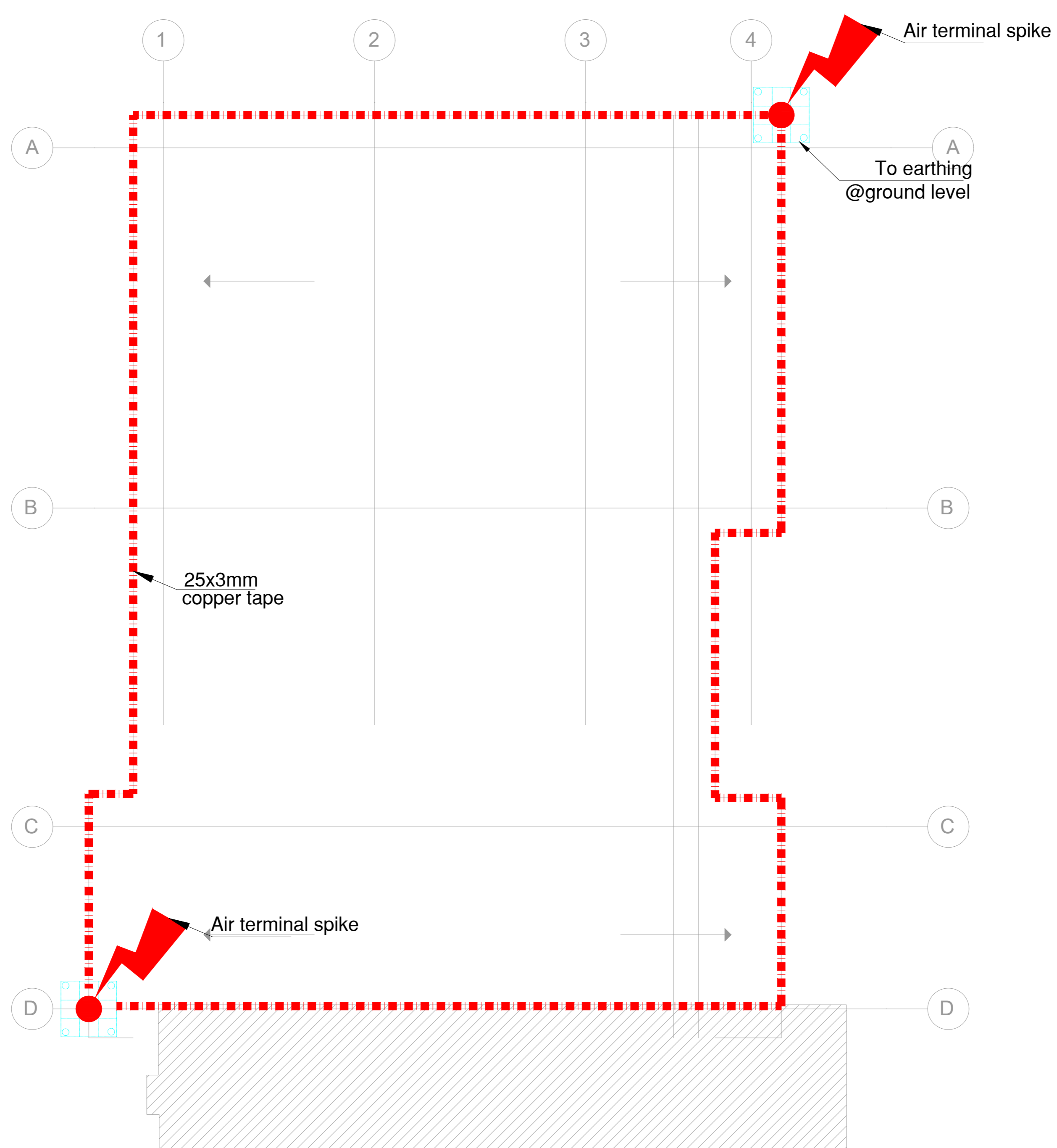
 P.O. Box 73758-00200 ,Nairobi
 Tel. (+254 2)249 6395
 Cell: (+254) 722 642942

Signature _____ Date _____

Project
PROPOSED 8 NO. CLASS ROOMS FOR COOPERATIVE UNIVERSITY- KAREN

Drg.title.
1ST-3RD FLOOR ELECTRICAL INSTALLATIONS LAYOUT

scale: 1:100 ON A2	ekd: WOO
date: MARCH 2024	
drawn by: WOO	Dsg by : WOO
drg. no.	sheet no. 03 OF 6



No.	NOTES
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REVISIONS		
no.	date	descriptions
		Original Issue.

Client
COOPERATIVE UNIVERSITY

Signature _____ Date _____

Architect

archtron
 ARCHITECTURAL SYSTEMS
 P.O. Box 73758-00200 ,Nairobi
 Tel. (+254 2)249 6395
 Cell: (+254) 722 642942

Signature _____ Date _____

Project
**PROPOSED 8 NO. CLASS ROOMS
 FOR COOPERATIVE UNIVERSITY-
 KAREN**

Drg.title.
**ROOF FLOOR
 ELECTRICAL INSTALLATIONS LAYOUT**

scale: 1:100 ON A2	ckd: WOO
date: MARCH 2024	
drawn by: WOO	Dsg by : WOO
drg. no.	sheet no. 04 OF 6

LEGEND		MOUNTING HEIGHT
	10A 1 GANG 1 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	1200mm
	10A 2 GANG 1 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	1200mm
	10A 1 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	1200mm
	10A 2 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	1200mm
	10A 3 GANG 2 WAY MOULDED PLATE SWITCH FOR FLUSH MOUNTING	1200mm
	CoreLine Batten, 34 W, L1200 mm, 4100 lm, 4000 K.	
	LED Bulkhead Light as Fumagali Maddi HL	
	13A TWIN SOCKET OUTLET POINT AND PLATE	300mm
	13A TWIN SOCKET OUTLET POINT AND PLATE	CEILING
	20 DP SWITCH FOR WATER HEATER	1200mm
	DATA/VOICE OUTLET POINT AND PLATE FOR FLUSH MOUNTING	300mm
	TV ANTENNAE COAXIAL POINT AND PLATE FOR FLUSH MOUNTING	300mm
	ISOLATOR	1200mm
	SPN CONSUMER UNIT NUMBER OF WAYS AS INDICATED IN SCHEMATICS	1800mm
	TPN DISTRIBUTION BOARD NUMBER OF WAYS AS INDICATED IN SCHEMATICS	1800mm

FIRE ALARM/CCTV LEGEND	
SYMBOL	DESCRIPTION
	EXIT SIGN
	FIRE ALARM BELL
	CALL POINT FIRE ALARM BREAK GLASS UNIT
	SMOKE DETECTOR
	ADDRESSABLE HEAT DETECTOR
	FIRE ALARM CONTROL PANEL
	CCTV CAMERA
	WIFI ACCESS POINT

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REVISIONS		
no.	date	descriptions
		Original Issue.

Client
COOPERATIVE UNIVERSITY

Signature _____ Date _____

Architect

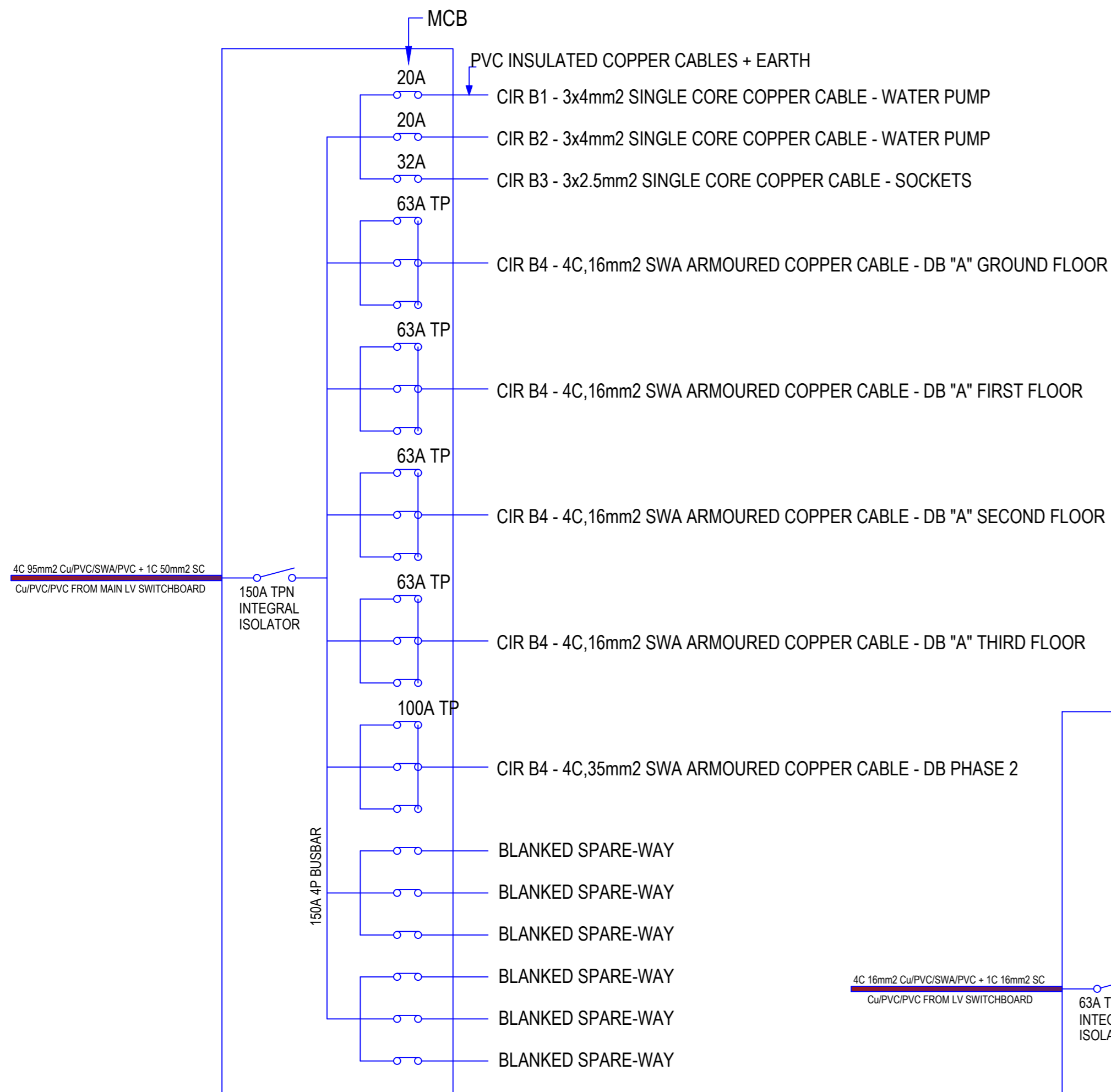
P.O. Box 73758-00200 ,Nairobi
Tel. (+254 2)249 6395
Cell: (+254) 722 642942

Signature _____ Date _____

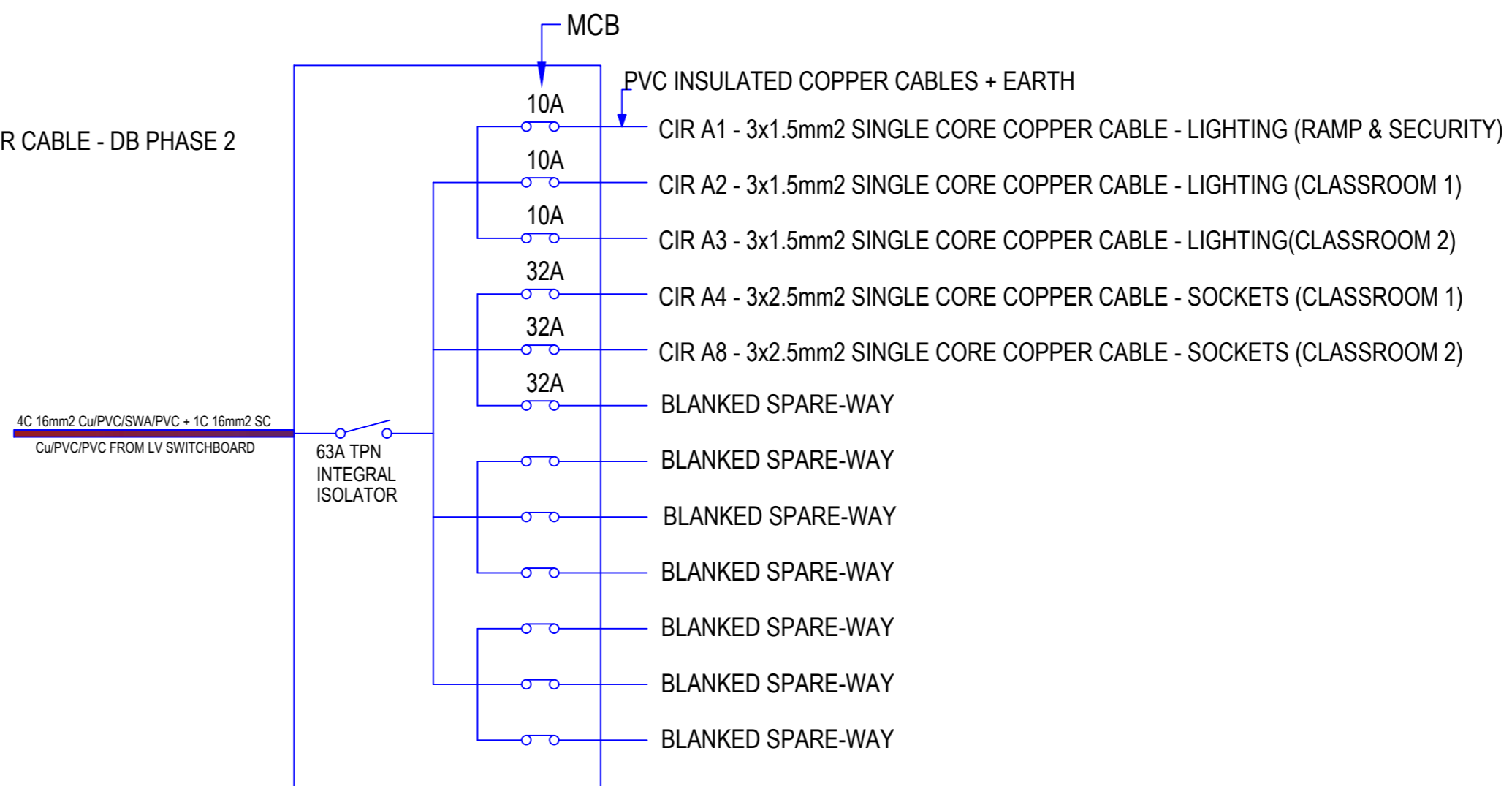
Project
PROPOSED 8 NO. CLASS ROOMS FOR COOPERATIVE UNIVERSITY- KAREN

Drg.title.
LEGEND

scale: 1:100 ON A2	ckd: WOO
date: MARCH 2024	
drawn by: WOO	Dsg by : WOO
drg. no.	sheet no. 05 OF 6



LV SWITCHBOARD 8 - WAY T.P.& N INCORPORATING
150A 4P BUSBAR AND 150A TP INCOMER



4 - WAY T.P.& N DISTRIBUTION BOARD DB 'A' INCORPORATING
63A INTEGRAL ISOLATOR AS SCHNEIDER (PHASE 1)

No.	NOTES
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REVISIONS		
no.	date	descriptions
		Original Issue.

Client	COOPERATIVE UNIVERSITY
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Architect	 P.O. Box 73758-00200 ,Nairobi Tel. (+254 2)249 6395 Cell: (+254) 722 642942
Signature	_____ Date _____
Project	PROPOSED 8 NO. CLASS ROOMS FOR COOPERATIVE UNIVERSITY- KAREN
Drg.title.	SCHEMATICS

scale:	1:100 ON A2	ckd:	WOO
date:	MARCH 2024		
drawn by:	WOO	Dsg by :	WOO
drg. no.		sheet no.	06 OF 6