Standard Bidding Document

Construction of Library and Classroom Block at H-11 Campus (Works)

National

Single Stage-Two Envelope

November 05, 2026

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REQUEST FOR BIDS

PROCUREMENT OF CIVIL WORKS

1. The **Air University -P&D Department (Air University)** has reserved Funds for the procurement planned for FY **2026-27**. The **Air University -P&D Department (Air University)** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**Construction of Library and Classroom Block at H-11 Campus**" with the reference of " **P183681**".

2. The **Air University -P&D Department (Air University)** invites sealed Bids from eligible Bidders for procurement of Works **(Construction of Library and Classroom Block at H-11 Campus)** described in the bidding documents on **EPADS v2.0**.

3. **Single Stage-Two Envelope** will be used by adopting **Least Cost Based Selection (LCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2026 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.

4. All Bids must be accompanied by a Bid Security amount described in Bid Security Section in Bidding Document in the form of **Pay Order, Banker's Cheque, Call at Deposit, Demand Draft**. Or all bids must be accompanied by bid securing declaration in the format specified in the Bidding documents

5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **https://epads.gov.pk/opportunities/federal/procurements/183681** for all the interested bidders registered on **EPADS v2.0**. Bidders are required to get themselves registered on **EPADS v2.0** to participate in Bidding process.

6. The e-bids, prepared in accordance with the instructions in the e-Bidding documents, must be submitted through **EPADS v2.0** on or before **Monday, November 23, 2026 11:00 AM**. E-bids will be opened by using **EPADS v2.0** on the same day at **Monday, November 23, 2026 11:30 AM**. Manual

submission of Bids shall not be entertained. Those vendor who have not yet registered on the new version of **EPADS v2.0**, may register themselves on **https://vendors.epads.gov.pk/**. A tutorial to explain the registeration process is available at **https://www.youtube.com/watch?v=MNW6T38v7tc.**

In terms of Rules 65 of Public Procurement Rules, 2026 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (**www.ppra.org.pk**).

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Instructions to Bidders

A. INTRODUCTION

1. **Scope of Bid**

1.1. The Procuring agency/Employer (PA), as indicated in the Bid Data Sheet (BDS) invites Bids for the execution of Works as specified in the BDS and Section V- Works Requirements. The name, identification, and number of lots (contracts) of this National/ International Competitive Bidding process are specified in the BDS.

2. **Source of Funds**

2.1. Source of funds as referred in Clause 2 of Bid Data Sheet.

3. **Eligible Bidders**

3.1. A bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country, or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture or consortium. In the case of a joint venture or consortium, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture or consortium shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture or consortium during the Bidding process, and in case of award of contract, during the execution of contract. Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with any instructions issued by the Authority.

(The limit on the number of members of JV or Consortium may be prescribed

in BDS, in accordance with the guidelines issued by the PPRA).

3.2. The invitation for bids is open to all prospective bidders subject to any provisions of incorporation or licensing by the respective national/ international incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidder keeping in view the requirement of that business.

3.3. A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidders may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:

3.3.1. are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring agency/Employer to provide consulting services for the preparation of design or technical specifications of the works that are the subject of the bid; or

3.3.2. have controlling shareholders in common; or

3.3.3. receive or have received any direct or indirect subsidy from any of them; or

3.3.4. have the same legal representative for purposes of this Bid; or

3.3.5. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the Procuring agency/Employer regarding this Bidding process; or

3.3.6. Submit more than one bid in this bidding process.

3.4. A Bidder may be ineligible if –

3.4.1. he is declared bankrupt or, in the case of company or firm, insolvent;

3.4.2. payments in favor of the bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property;

3.4.3. the bidder is convicted, by a final judgment of a Court of Law or relevant Professional Statuary Body, of any offence involving professional conduct;

3.4.4. The bidder is debarred/ blacklisted by a national level Procuring agency/Employer and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of bid securing declaration.

3.5. As and when required, bidders shall provide to the Procuring agency/Employer evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.

3.6. Bidders shall submit proposal relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract is envisaged.

4. **Eligible Material and Equipment**

4.1. All the material and equipment to be mobilized under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such materials and equipment. For this purpose, ineligible countries are stated in the section-IV titled as “Eligible Countries”.

B. BIDDING DOCUMENTS

5. **Contents of Bidding Documents**

5.1. The scope of Works, bidding procedures, and terms and conditions of the contract are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents which should be read in

conjunction with any addenda issued in accordance with ITB 7.1 include:

Section I -Invitation for Bids

Section II Instructions to Bidders (ITBs)

Section III Bid Data Sheet (BDS)

Section IV Eligible Countries

Section V Evaluation and Qualification Criteria

Section VI Works Requirements Technical Specifications & Schedule of Requirements

Section VII Standard Bidding Forms

Section VIII General Conditions of Contract (GCC)

Section IX Particular Conditions of Contract (PCC)

Section X Contract Forms

5.2. The bidder is expected to examine all instructions, forms, specifications, terms and conditions prescribed in the bidding documents. Failure to furnish all the information required in the bidding documents will be at the bidder’s risk and may result in the rejection of his bid.

6. **Clarification of Bidding Document, Pre-bid Meeting**

6.1. A prospective bidder requiring any clarification of the bidding document may notify the Procuring agency/Employer through EPADS.

6.2. The Procuring agency/Employer shall respond to the request for clarification in accordance with Rule 31 of the Public Procurement Rules 2004.

6.3. Should the Procuring Agency deem it necessary to amend the BIDDING document as a result of a clarification, it shall do so following the procedure under ITB 7.

6.4. If indicated in the BDS, the bidder’s designated representative is invited at the bidder’s cost to attend a pre-bid meeting at the place, date and time mentioned in the BDS. During this pre-bid meeting, prospective bidders may request clarification of the schedule of requirement, the evaluation criteria or any other aspects of the bidding documents.

6.5. Minutes of the pre-bid meeting, if applicable, including the text of the questions asked by bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be uploaded on EPADS. Any modification to the bidding documents that may become necessary as a result of the pre-bid meeting shall be made by the Procuring agency/Employer exclusively through the use of an Addendum pursuant to ITB 7. Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

6.6. The bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the bidder's own expense.

6.7. The bidder and any of its authorized personnel will be granted permission by the Procuring agency/Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the bidder and its personnel will release and indemnify the Procuring agency/Employer from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

7. **Amendment of Bidding Documents**

7.1. The procuring agency may issue notification of any change, addition, modification or deletion in accordance with Rule 23 of the Public Procurement Rules 2004 i.e. Bidding Documents.

7.2. To give prospective bidders reasonable time in which to take an addendum/corrigendum into account in preparing their bids, the Procuring agency/Employer may, at its discretion, extend the deadline for the submission of bids:

Provided that the Procuring agency/Employer shall extend the deadline for submission of bid in pursuance of Rule 27 of the Public Procurement Rules 2004, i.e. Extension of time for submission of bids, if such an addendum is

issued within last three (03) days of the bid submission deadline.

C. PREPARATION OF BIDS

8. **Language of Bid**

8.1. The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and the Procuring agency/Employer shall be written in the English language unless specified in the BDS. Supporting documents and printed literature furnished by the bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless specified in the BDS, in which case, for purposes of interpretation of the bidder, the translation shall govern.

9. **Documents Constituting the Bids**

9.1. The Bids prepared by the Bidder shall constitute of all the documents required in the BDS.

10. **Documents Establishing Eligibility of Material, Equipment and Works, their Conformity to Bidding Documents**

10.1. The bid prepared by the bidder shall constitute the following components: -

10.1.1. Documentary evidence established in accordance with ITB 10 that the material and equipment to be utilized by the Bidder for the executions of works are eligible material and equipment and conform to the Bidding Documents;

10.1.2. Documentary evidence established in accordance with ITB 11 that the bidder has been authorized to carry out the Construction works;

10.1.3. Documentary evidence established in accordance with ITB 11 that the bidder is eligible and/or qualified for the subject bidding process;

10.1.4. Form of Bid and Bid Prices completed in accordance with ITB 12 and 13;

10.1.5. Completed schedules as required, including priced Bill of Quantities in accordance with ITB 13.

10.1.6. Technical Proposal completed in all aspects in accordance with ITB-15.

10.1.7. Bid security or Bid Securing Declaration furnished in accordance with ITB 17;

10.1.8. Any other document required in the BDS.

10.2. In addition to the requirements, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement.

10.3. The bidder shall furnish, as part of its bid, all those documents establishing the eligibility in conformity to the terms and conditions specified in the bidding documents for all material, equipment and works which the bidder proposes to execute.

10.4. The documentary evidence of conformity of the material, equipment and works to the Bidding Documents may be in the form of literature, drawings, and data, and shall consist of:

10.4.1. a detailed description of the work methodology, approach, schedule and resources to be mobilized at site;

10.4.2. an item-by-item commentary on the Procuring agency/Employer’s Technical Specifications demonstrating substantial responsiveness of the material, equipment and works to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications;

10.4.3. any other procurement specific documentation requirement as stated in the BDS.

10.5. The required documents and other accompanying documents must be in English. In case any other language than English is used the pertinent translation into English shall be attached to the original version.

11. **Documents Establishing Eligibility and Qualification of the Bidder**

11.1. The bidder shall furnish, as part of its bid, all those documents establishing the bidder's eligibility to participate in the bidding process and/or its qualification to perform the contract if its bid is accepted.

11.2. The documentary evidence of the bidder's eligibility to bid shall establish to the satisfaction of the Procuring agency/Employer that the bidder, at the time of submission of its bid, is from an eligible country as defined in Section-IV titled as "Eligible Countries".

11.3. The documentary evidence of the bidder's qualification to perform the contract if its bid is accepted shall establish to the satisfaction of Procuring agency/Employer that:

11.3.1. The bidder has the financial and technical capability necessary to perform the Contract, meets the qualification criteria specified in Section-V, Evaluation and Qualification Criteria and BDS.

11.3.2. In the case of a bidder not doing business within Pakistan, the bidder is or will be (if awarded the contract) represented by a local bidder (Joint Venture) in accordance with the PEC works bylaws, and in case of award of works such foreign firm is required to participate in the execution of works to carry out its obligations as prescribed in the Conditions of Contract and /or Technical Specifications.

11.3.3. That the bidder meets the qualification criteria listed in Section-V, Evaluation and Qualification Criteria and BDS.

12. **Forms of Bid**

12.1. The Bidder shall fill the Form of Bids furnished in the bidding documents. The Bids Form must be completed without any alterations to its format and no substitute shall be accepted.

13. **Bid Prices**

13.1. The bid prices quoted by the bidder in the Standard bid Forms, Bill of Quantities and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the bidding documents.

13.2. The bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. If a Price Schedule shows items listed but not priced, their prices shall be construed to be included in the prices of other items in the Bill of Quantities and will not be paid for separately by the Procuring agency/Employer.

13.3. Items not listed in the Price Schedule shall be assumed not to be included in the bid, and provided that the bid is still substantially responsive in their absence or due to their nominal nature, the corresponding average price of the respective item(s) of the remaining substantially responsive bidder(s) shall be construed to be the price of those missing item(s):
Provided that:

13.3.1. where there is only one (substantially) responsive bidder, or

13.3.2. where there is provision for alternate proposals and the respective items are not listed in the other bids,
The Procuring agency/Employer may fix the price of missing items in accordance with market survey, and the same shall be considered as final price.

13.4. The Bid price to be quoted in the Form of Bid in accordance with ITB 12 shall be the total price of the bid.

13.5. Unless otherwise specified in the BDS and the Contract, the rates and prices quoted by the bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the

Conditions of Contract.

13.6. If so specified in ITB 1.1, bids may be invited for individual lots (contracts) or for any combination of lots (packages).

13.7. Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and shall be rejected, pursuant to ITB 27, unless otherwise price adjustment is permissible under Conditions of the Contract.

13.8. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date twenty-eight (28) days prior to the deadline for submission of bids, shall be included in the rates and prices and the total bid price submitted by the bidder.

14. **Currencies of Bid and Payment**

14.1. Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS. Comparison of bids and tie of bid shall be treated in accordance with the Rule 30(2) of Public Procurement Rules, 2004.

15. **Documents Comprising the Technical Proposal**

15.1. The bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section VII – Standard Bid Forms, in sufficient detail to demonstrate the adequacy of the bidder's proposal to meet the work requirements and the completion time.

16. **Bid Validity Period**

16.1. Bids shall remain valid for the period specified in the BDS after the bid submission deadline prescribed by the Procuring agency/Employer. A bid valid for a shorter period shall be rejected by the Procuring agency/Employer as non-responsive. The period of bid validity will be determined from the complementary bid securing instrument i.e. the expiry period of bid security or bid securing declaration as the case may be.

16.2. Under exceptional circumstances, prior to the expiration of the initial Bids/Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids/Bid. Such request for extension of the period of bid validity shall be carried out in accordance with Rule 26 of the Public Procurement Rules, 2004.

17. **Bid Security or Bid Securing Declaration**

17.1. Pursuant to ITB 11.1 unless otherwise specified in the BDS, the bidder shall furnish as part of its bid, a Bid Security in accordance with Rule 25 of the Public Procurement Rules, 2004 in the amount and currency specified in the BDS or Bid Securing Declaration as specified in the BDS in the format provided in Section VII (Standard Bidding Forms).

In case Procuring agency/Employer is inviting bids in lots / packages, the bidder shall be required to submit his bid security against the respective lot/ package for which he is submitting his bid.

Until the development of functionality of auto verification of financial instrument in EPADS, the scanned copy of bid security or bid securing declaration, as the case may be, shall be uploaded on E-PADS whereas the original instrument to be submitted to the procuring agency before closing of bid submission deadline,

17.2. The Bid Security shall be denominated in the local currency or in another freely convertible currency, and it shall be in the form specified in the **BDS** which shall be in any of the following:

17.2.1. A bank guarantee, an irrevocable letter of credit issued by a Scheduled bank in the form provided in the Bidding Documents or another form acceptable to the Procuring agency/Employer and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period for Bid Validity is extended. In either case, the form must include the complete name of the bidder;

17.2.2. A cashier's or certified cheque; or

17.2.3. Another security as indicated in the **BDS**.

17.3. The Bid Security or Bid Securing Declaration shall be in accordance with the Form of the Bid Security or Bid Securing Declaration included in Section VII (Standard Bidding Forms) or another form approved by the Procuring agency/Employer prior to the bid submission.

17.4. The Bid Security shall be payable promptly upon written demand by the Procuring agency/Employer in case any of the conditions listed in ITB 17.9 are invoked.

17.5. Any bid not accompanied by a Bid Security or Bid Securing Declaration in accordance with ITB 17.1 or 17.3 shall be rejected by the Procuring agency/Employer and shall be declared as non-responsive bid, pursuant to ITB 27.

17.6. Unsuccessful bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bid Validity prescribed by the Procuring agency/Employer pursuant to ITB 16. The Procuring agency/Employer shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest:

17.6.1. The expiry of the Bid Security;

17.6.2. The entry into force of a procurement contract and the provision of a performance security (or guarantee), for the performance of the contract if such a security (or guarantee), is required by the Biding documents;

17.6.3. The rejection by the Procuring agency/Employer of all Bids;

17.6.4. The withdrawal of the bid prior to the deadline for the submission of bids, unless the biding documents stipulate that no such withdrawal is permitted.

17.7. The successful bidder's Bid Security will be discharged upon the bidder signing the contract pursuant to ITB 40, or furnishing the performance security (or guarantee), pursuant to ITB 41.

17.8. The Bid Security may be forfeited or the Bid Securing Declaration executed:

17.8.1. if a Bidder:

17.8.1.1. Withdraws its Bid during the period of Bid Validity as specified by the Procuring agency/Employer, and referred by the bidder on the Form of Bid except as provided for in ITB 16.2; or

17.8.2. In the case of a successful bidder, if the bidder fails:

17.8.2.1. to sign the contract in accordance with ITB 40; or

17.8.2.2. to furnish performance security (or guarantee) in accordance with ITB 41.

17.9. In case of Bid Security issued by the foreign bank is allowed by the Procuring agency/Employer, the same should be counter guaranteed by a corresponding bank in Pakistan. Furthermore, in case of joint venture, it should be in the name of Joint venture to ensure joint responsibility. In case the JV is not legally constituted at the time of bid submission, the bid security or bid securing declaration shall be in the names of all future members as named in the letter of bid.

18. **Withdrawal of Bids**

18.1. Before bid submission deadline, any bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and the corresponding must accompany the respective written notice.

19. **Format and Signing of Bid**

19.1. The Bidder shall prepare and submit Bids through EPADS with due diligence after carefully reading all the terms and condition before bid submission deadline.

D. SUBMISSION OF BIDS

20. **Submission of Bids through EPADS v2.0**

20.1. All bids shall be submitted through EPADS v2.0.

21. **Deadline for Submission of Bids**

21.1. All bids shall be received through **EPADS v2.0** not later than bid submission deadline as specified in the **BDS**.

21.2. The Procuring agency/Employer may, under exceptional circumstances and at its discretion, extend the deadline for the submission of bids, pursuant to Rule 27 of the Public Procurement Rules, 2004. Extension of Time for submission of bid, by amending the Bidding Documents in accordance with ITB 7, in which case all rights and obligations of the Procuring agency/Employer and bidders previously subject to the deadline will thereafter be subject to the new deadline.

22. **Substitution and Modification of bids**

22.1. A bidder may substitute or modify his bid after it has been submitted, provided that written notice of the substitution or modification of the bid, is received by the Procuring agency/Employer prior to the deadline for submission of bids.

22.2. Revised bid may be submitted after the substitution or modification made in the original bid in accordance with the provisions referred in **ITB 18** .

E. OPENING AND EVALUATION OF BIDS

23. **Opening of Bids**

23.1. The Procuring Agency will open bids in accordance with Rule 28 of the Public Procurement Rules, 2004 and as specified in the BDS.

24. **Confidentiality**

24.1. Information relating to the examination, clarification, evaluation and comparison of bids and recommendation of contract award shall not be disclosed to bidders or any other persons not officially concerned with such process until the time of the announcement of the respective evaluation report.

25. **Clarification of Bids**

25.1. Clarification of Bidding Documents shall be carried out in accordance with Rule 31 of the Public Procurement Rules, 2004.

25.2. The alteration or modification in the bid which in any case affect the following parameters will be considered as a change in the substance of a bid:

25.2.1. evaluation & qualification criteria;

25.2.2. required scope of work;

25.2.3. contract price;

25.2.4. all securities requirements;

25.2.5. tax requirements;

25.2.6. terms and conditions of bidding documents.

25.2.7. change in the ranking of the bidder

26. **Preliminary Examination of Bids**

26.1. Prior to the detailed evaluation of bids, the Procuring agency/Employer will determine whether each bid:

26.1.1. meets the eligibility criteria defined in **ITB 3** and **ITB 4**;

26.1.2. has been prepared as per the format and contents defined by the Procuring agency/Employer in the bidding documents;

26.1.3. has been properly signed;

26.1.4. is accompanied by the required securities; and

26.1.5. is substantially responsive to the requirements of the bidding documents.

The Procuring agency/Employer's determination of a bid's substantial responsiveness will be based on the contents of the bid itself.

26.2. A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one that: -

26.2.1. affects in any substantial way the scope, quality, or performance of the Works;

26.2.2. limits in any substantial way, inconsistent with the bidding documents, the Procuring agency/Employer's rights or the bidders' obligations under the Contract; or

26.2.3. if rectified, would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3. The Procuring agency/Employer will confirm that the documents and information specified under ITB 9, 10 and 11 have been provided in the bid. If any of these documents or information is missing, or is not provided in accordance with the Instructions to Bidders, the bid shall be rejected.

26.4. The Procuring agency/Employer may waive-off any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

Explanation: A minor informality, non-conformity or irregularity is one that is merely a matter of form and not of substance. It also pertains to some immaterial defect in a Bid or variation of a bid from the exact requirements of the invitation that can be corrected or waived without being prejudicial to other bidders. The defect or variation is immaterial when the effect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the works. The Procuring agency/Employer either shall give the bidder an opportunity to cure any deficiency resulting from a minor

informality or irregularity in a bid or waive the deficiency, whichever is advantageous to the Procuring agency/Employer. Examples of minor informalities or irregularities include failure of a bidder to –

26.4.1. *Submit the number of copies of signed bids required by the invitation;*

26.4.2. *Furnish required information concerning the number of its employees;*

26.4.3. *the firm submitting a bid has formally adopted or authorized, before the date set for opening of bids, the execution of documents by typewritten, printed, or stamped signature and submits evidence of such authorization and the bid carries such a signature.*

26.5. Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer may request the bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any such aspect of the technical Proposal linked with the ranking of the bidders. Failure of the bidder to comply with the request may result in the rejection of its bid.

26.6. Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer shall rectify quantifiable nonmaterial nonconformities or omissions related to the Financial Proposal. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or nonconforming item or component.

26.7. If a bid is not substantially responsive, it will be rejected by the Procuring agency/Employer and may not subsequently be evaluated for complete technical responsiveness.

27. **Examination of Terms and Conditions; Technical Evaluation**

27.1. The Procuring agency/Employer shall examine the bid to confirm that all terms and conditions specified in the **GCC** and the **PCC** have been

accepted by the bidder without any material deviation or reservation.

For this purpose:

“Deviation” means departure from the requirements specified in the Bidding Document.

“Reservation” means setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document.

27.2. The Procuring agency/Employer shall evaluate the technical aspects of the bid submitted in accordance with ITB 30, to confirm that all requirements specified in Section VI – Works Requirement, Technical Specifications of the Bidding Documents have been met without material deviation or reservation.

27.3. If after the examination of the terms and conditions and the technical evaluation, the Procuring agency/Employer determines that the bid is not substantially responsive in accordance with ITB 27, it shall reject the bid.

28. **Correction of Arithmetic Errors**

28.1. Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

28.1.1. if there is a discrepancy between unit prices and the sub-total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the sub-total price shall be corrected, unless in the opinion of the Procuring agency/Employer there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;

28.1.2. if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail, and the total shall be corrected; and

28.1.3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

28.1.4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

28.2. The amount stated in the Bid will, be rectified by the Procuring agency/Employer in accordance with the above procedure for the correction of errors and, with, the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount, its bid shall be rejected after forfeiture of Bid Security or execution of the Bid Securing Declaration, as the case may be, in accordance with **ITB 41.3**.

29. **Conversion to Single Currency**

29.1. The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the Works from outside the Procuring agency/Employer's country (referred to as the "Foreign Currency Requirements") shall indicate the same in the letter of bid-financial proposal. The proportion of the Bid Price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the Bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in his bid. Comparison of bids quoted in different currencies and conversion of bids into a single currency shall be carried out in accordance with Rule 30(2) of the Public Procurement Rules, 2004**.**

30. **Evaluation of Bids**

30.1. The Procuring agency/Employer shall evaluate and compare only the bids determined to be substantially responsive, pursuant to **ITB 27**.

30.2. In evaluating the Technical Proposal of each Bid, the Procuring agency/Employer shall use the criteria and methodologies listed in the BDS

and in terms of works requirement. No other evaluation criteria or methodologies shall be permitted.

30.3. The Procuring agency/Employer's evaluation of a bid will take into account:

30.3.1. the bid price, excluding provisional sums and the provision, if any, for contingencies in the summary bill of quantities, but including day work items, where priced competitively;

30.3.2. converting the amount resulting from applying above, if relevant, to a single currency in accordance with ITB 29;

30.4. The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.

30.5. If these bidding documents allow bidders to quote separate prices for different lots, and the award to a single bidder of multiple lots, the methodology of evaluation to determine the lowest evaluated lot combinations in the Form of Bid, is specified in the **BDS**.

30.6. If the bid, which results in the Evaluated Bid Price (Successful Bid), is seriously unbalanced or front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

Explanation:

"Unbalanced" or "front-loaded" bids consist of deliberately submitting bids with artificially high prices or unit rates for the early stages of a construction project, offset by artificially low prices or unit rates for the later stages of the project, to improve the contractor's cash flow.

31. **Domestic Preference**

31.1. If the **BDS** so specifies, the Procuring agency/Employer will grant a margin of preference to the domestic contractor in line with the rules, regulations, regulatory guides or instructions issued by the Authority from time to time.

32. **Determination of Successful Bid**

32.1. The Procuring agency/Employer shall compare the evaluated bids in accordance with the predefined bidding procedure, of all substantially responsive bids to determine the Successful bidder.

33. **Qualification of Bidder**

33.1. The Procuring agency/Employer shall determine to its satisfaction whether the bidder is substantially responsive and whose bid is declared as Successful bid either continues to meet (if prequalification applies) or meets (if post-qualification applies) the qualifying criteria specified in Evaluation and Qualification Criteria.
Note: In case of international bidding, the parameters for incorporation or licensing within Pakistan may be fulfilled as part of post qualification.

33.2. The determination shall be based upon an examination of the documentary evidence of the bidder’s qualifications submitted by the bidder, pursuant to **ITB 11**.

33.3. Prior to contract award, the Procuring agency/Employer will verify that the successful bidder (including each member of a JV) is not blacklisted/debarred. The Procuring agency/Employer will conduct the same verification for each sub-contractor proposed by the successful bidder.

34. **Sub-Contractors**

34.1. The bidder shall provide details regarding any specialized sub-contractor to the Procuring agency/Employer. In case change of sub-contractors, the bidder shall promptly notify the Procuring agency/Employer and obtain approval for replacement of sub-contractors.

34.2. Bidders may propose sub-contracting up to the percentage of total value of contracts or the volume of works as specified in the **BDS**.

35. **Abnormally Low Financial Bid**

35.1. A procuring Agency may reject abnormally low bids. The decision of the Procuring agency/Employer to reject a bid and reasons for the decision shall be recorded in the procurement proceedings and promptly communicated to the bidder concerned. Moreover, the Procuring agency/Employer shall not incur any liability solely by rejecting abnormally bid

Guidance for Procuring agency/Employer:

An abnormally low bid means, in the light of the Procuring agency/Employer's estimate and of all the bids submitted, the bid appears to be abnormally low by not providing a margin for normal levels of profit. In order to identify the Abnormally Low Bid (ALB) following approaches can be considered to minimize the scope of subjectivity:

35.1.1. Comparing the bid price with the cost estimate;

35.1.2. Comparing the bid price with the bids offered by other bidders submitting substantially responsive bids; and

35.1.3. Comparing the bid price with prices paid in similar contracts in the recent past either government- or development partner-funded.

35.2. The Procuring agency/Employer will determine to its satisfaction whether the bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in **ITB 11**

35.3. The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to **ITB 11**, as well as such other information as the Procuring agency/Employer deems necessary and appropriate. Factors not included in these bidding documents shall not be used in the evaluation of the bidders' qualifications.

35.4. Procuring agency/Employer may seek “Certificate for Independent Price Determination” from the bidder and the results of reference checks may be used in determining award of contract.
Explanation: The Certificate shall be furnished by the bidder. The bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.

35.5. An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder’s bid, in which event the Procuring agency/Employer will proceed to the next ranked bidder to make a similar determination of that bidder’s capabilities to perform satisfactorily.

F. AWARD OF CONTRACT

36. **Criteria of Award**

36.1. Subject to **ITB 36 and 37**, the Procuring agency/Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has been declared as Successful Bidder, provided that such bidder has been determined to be:

36.1.1. eligible in accordance with the provisions of **ITB 3**;

36.1.2. is determined to be qualified to perform the Contract satisfactorily; and

36.1.3. Successful negotiations have been concluded, if any.

37. **Negotiations**

37.1. The Committee of the Procuring agency/Employer may negotiate with the Most Advantageous Bidder relating to the following areas:

37.1.1. a minor alteration to the technical (drawings, design technical specifications) details of the statement of works;

37.1.2. Methodology, work plan, staffing in view to streamline the work;

37.1.3. a minor amendment to the Particular conditions of Contract;

37.1.4. finalizing payment arrangements;

37.1.5. clarifying details that were not apparent or could not be finalized at the time of Bidding;

37.2. Where negotiation fails to result into an agreement, the Procuring agency/Employer may invite the next ranked bidder for negotiations. Where negotiations are commenced with the next ranked bidder, the Procuring agency/Employer shall not reopen earlier negotiations.

38. **Procuring agency's Right to reject All Bids**

38.1. The procuring agency has the right to reject all bids in accordance with Rule 33 of the Public Procurement Rules, 2004. However, the Authority (i.e. **PPRA**) may call from the Procuring agency/Employer the justification of those grounds.

39. **Notification of Award**

39.1. The procuring agency shall announce and publish the evaluation result in accordance with Rule 35 of the Public Procurement Rules, 2004.

39.2. Where no complaints have been lodged, the bidder whose bid has been accepted will be notified of the award by the Procuring agency/Employer prior to expiration of the bid validity period through EPADS. However, the Procuring agency/Employer shall not award any procurement contract at least for five (05) days after the announcement of final evaluation report. The notification letter (herein after and in the condition of the contract and contract form called “Letter of Acceptance” will specify the sum that the Procuring agency/Employer will pay the successful bidder in consideration for the execution and completion of the

works as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

39.3. The notification of award will constitute the formation of the Contract, subject to the bidder furnishing the Performance Security (or guarantee) in accordance with **ITB 41** and signing of the contract in accordance with **ITB 40**.

39.4. Upon the successful bidder's furnishing of the performance security (or guarantee) pursuant to **ITB 41**, the Procuring agency/Employer will promptly notify each unsuccessful bidder, the name of the successful bidder and the Contract amount and will discharge the Bid Security or Bid Securing Declaration of the bidder(s) pursuant to **ITB 17**.

40. **Signing of Contract**

40.1. Promptly after notification of award, Procuring agency/Employer shall send the successful bidder the draft agreement, incorporating all terms and conditions as agreed by the parties to the contract.

40.2. Immediately after the Redressal of grievance by the **GRC**, and after fulfillment of all conditions precedent of the Contract Form, the successful bidder and the Procuring agency/Employer shall sign the contract.

40.3. Where no formal signing of a contract is required, work order issued to the bidder shall be construed to be the contract.

41. **Performance Security (or Guarantee)**

41.1. After the receipt of the Letter of Acceptance, the successful bidder, within the specified time, shall deliver to the Procuring agency/Employer a Performance Guarantee in the amount and in the form stipulated in the BDS and PCC, denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the Conditions of Contract.

41.2. If the Performance Guarantee is provided by the successful bidder and it shall be in the form specified in the BDS which shall be in any of the following:

41.2.1. certified cheque, cashier's or manager's cheque, or bank draft;

41.2.2. irrevocable letter of credit issued by a scheduled bank of Pakistan or in the case of an irrevocable letter of credit issued by a foreign bank, the letter shall be confirmed or authenticated by a scheduled bank of Pakistan;

41.2.3. bank guarantee confirmed by a reputable local bank or, in the case of a successful foreign bidder, bonded by a foreign bank; or

41.2.4. surety bond callable upon demand issued by any reputable surety or insurance company.
Any Performance Guarantee submitted shall be enforceable in Pakistan.

41.3. Failure of the Most Advantageous Bidder to comply with the requirement of **ITB 40** shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or declare blacklisted (in case bid securing declaration is submitted) in which event the Procuring agency/Employer may make the award to the next most advantageous bidder or reinitiate the procurement process afresh (as a case may be).

42. **Advance Payment**

42.1. Advance payment will be provided to the bidder in percentage and in the manner as agreed by the both parties in terms of Conditions of the Contract.

42.2. The Procuring agency/Employer will provide an advance payment as stipulated in the Conditions of Contract, subject to a maximum amount, as stated and/or Conditions of the Contract. The advance payment request shall be accompanied by an advance payment security (guarantee) in the form provided in Section X. For the purpose of receiving the advance payment, the bidder shall make and estimate of, and include in its bid, the expenses that will relate to the purchase of equipment, machinery, materials, and on the engagement of labor during the first month beginning with the date of the Procuring agency/Employer's "**Notice to Commence**" as specified in the **PCC**.

43. **General Performance of the Bidders**

43.1. The Procuring agency/Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts / works. The Procuring agency/Employer may seek information / report from the previous employer for consideration. However, the Procuring agency/Employer shall incorporate such parameters in the evaluation criteria and accordingly decide the fate of the bid submitted.

44. **Corrupt & Fraudulent Practices**

44.1. Procuring agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Suppliers/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

G. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM

45. **Grievance Redressal**

45.1. Grievance Redressal shall be carried out in accordance with Rule 48 of the Public Procurement Rules, 2004 i.e. Redressal of grievances by the procuring agency and “Redressal of Grievances Regulations 2021”.

H. MECHANISM OF BLACKLISTING

46. **Mechanism of Blacklisting**

46.1. The Procuring agency/Employer shall proceed Blacklisting of Bidders/Contractors in accordance with Rule 19 of the Public Procurement Rules, 2004 i.e. Blacklisting and “Blacklisting and Debarment of Bidders or Contractors Regulations 2024.

Bid Data Sheet

Bids Data Sheet (BDS)

The following specific data for the procurement of Goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

BDS Clause Number	ITB Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
A. Introduction		
1	1.1	Name of Procuring Agency:**Air University - P&D Department (Air University)** The subject of procurement is:**Construction of Library and Classroom Block at H-11 Campus** Expected commencement date: **Monday, December 7, 2026**
2.	2.1	Financial year for the operations of the Procuring Agency:**2026-27** Name and identification number of the Contract: **P183681**
3.	3.1	JV/Consortium or AssociationAllowed: **No** Number of JV/Consortium Members: **Nil**
B. Bidding Documents		
4.	6.2 & 6.4	The Bidders may seek clarifications through **EPADS v2.0**: Clarification Date: Friday, November 20, 2026

5.	**7.2**	Any addendum, in case issued, shall be published on **Air University -P&D Department (Air University)** website and on **EPADS v2.0**.
C. Preparation of Bids		
6.	**8.1**	List of documents required along with the bid: No
7.	**9.1**	The qualification criteria to establish the supply / production capability of the bidder. *see Eligibility Criteria*
8.	**11.2**	**Works and Their relateddocuments:** *See section Required Scope of Work*
9.	**11.1**	Price schedule will be provided according to the format defined and acquired. *see section price schedule.*
10.	**11.4**	**Specifications:** *see section of specifications.*
11.	**11.5 & 13.5**	The price shall be **Fixed**. The bid price shall be adjusted in accordance with Appendix provided – Formula for Price Adjustment.
12.	**14.1**	Currency of the Bids shall be : **PKR**
13.	**16.1**	The Bids/Bid Validity period shall be: **90 Days**

14.	**17.1**	The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in **BDS 6**
15.	**17.2**	The Bid Security shall be in the form of: **Pay Order, Banker's Cheque, Call at Deposit, Demand Draft**
16.	**15.1**	Alternative Bids to the requirements of the bidding documents willnot be permitted.

D. Submission of Bids

17.	**18.1 & 21.1**	Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following; **PAF Complex Sector E-9, Islamabad Capital Territory** Bids that are not submitted on EPADS v2.0 shall be disqualified. The deadline for Bids submission is: **Monday, November 23, 2026 11:00 AM**

E. Opening and Evaluation of Bids

18.	**24.1**	The Bids opening shall take place on **EPADS v2.0**. Day *:* ***Monday*** Date:***November 23, 2026*** Time *:* ***11:30 AM***

19.	**30.2**	Selection technique adopted will be: **Least Cost Based Selection (LCBS)** *see Evaluation Criteria*
F. Award of Contract		
20.	**41.1 & 41.2**	The Performance guarantee shall: **10.00%**. The Performance Guarantee shall be acceptable in the form of:**Pay Order, Banker's Cheque, Call at Deposit, Bank Guarantee, Demand Draft**
21.	**45.1**	Arbitrator shall be appointed by mutual consent of the both parties.
G. Review of Procurement Decisions		
22.	**37**	Grievance against this procurement shall be submitted online on EPADS v2.0.

Eligibility Criteria

All Active Taxpayers shall be eligible to participate in the procurement process, unless expressly excluded or otherwise restricted under the Eligibility Criteria specified by the Procuring Agency.

Required Registration
NADRA CITIZENSHIP (CNIC/NICOP)
FBR (NTN)
FBR (GSTN)
PEC
Registrar of Firms

Eligibility Criteria	Document
PEC Cat C3 or above may apply only	Yes

Evaluation Criteria

Least Cost Based Selection (LCBS)

Weightage

Technical Evaluation %
100

Technical Marks	100
Passing Marks	**60**
Experience	
Similar Works (Each project) completed in last 03 years (supported by documents) to be attached with application. Approx Value Rs.350 Mil or higher (Quantitative)(Doc Required) 3 Project **(30)** 2 Projects **(20)** 1 Project **(10)**	30
Ongoing Works (Each project) of similar nature (supported by documents) to be attached with application. Approx Value Rs.350 Mil or higher (Quantitative)(Doc Required) 3 projects **(30)** 2 Projects **(20)** 1 Project **(10)**	30
Profile	

Management and Engineering Staff (Quantitative)(Doc Required) Minimum 3 or more engineers along with 5 administrative staff **(5)** Lower number of staff than mentioned **(1)**	5
Availability of Relevant Equipments (Quantitative)(Doc Required) Significant Detail attached **(5)** Incomplete details **(1)**	5
Financial Capability	
Average annual construction turn over in millions for the last 03 years (Quantitative)(Doc Required) Sufficient Turnover **(10)** Insufficient Turnover **(1)**	10
Work Plan	
Tentative Work Plan Attached (Quantitative)(Doc Required)	5
Affidavit for Litigation and Blacklisting	
Affidavit for Litigation and Blacklisting - Attached (Quantitative)(Doc Required)	5
Feedback	
Feedback from previous employers (Quantitative)(Doc Required) Satisfactory Feedback from previous employers **(10)** Unsatisfactory Feedback from previous employers **(1)**	10

Jobs/Lots

Jobs Without Lots :

Job	Delivery Schedule	Quantity	Bid Security
BoQ	Address: AU H-11 Campus, Islamabad Schedule: 250 Days Quantity: 1/Qty	1/Qty	7759703 PKR

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Related Services :

No

Work Specifications and Market Rates

Jobs Without Lots :

Job: BoQ

Specifications / Requirements:

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
1		Structure Works				
2		GENERAL NOTE				
3		Scope (Application to all sections)				

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
4		Supply, installation, testing and commissioning of the following items of works, including all materials, labour, tools, accessories, etc required completion of each item as per specifications and approved by Engineer. All types of quality tests will be carried out and cost will be bared by contractor. during the work execution dewatering will be reponsiblity of contractor.				
5		Breaking and Removal of Existing Labor Camp				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
6	1	Breaking, dismantling, and removal of the existing labor camp measuring approximately 2,700 Sft, comprising block masonry walls, precast cement concrete beams and slabs, and PCC flooring, including collection, cleaning, and careful stacking of reusable materials at a designated location for reuse, and loading, transportation, and disposal of all unusable materials out of the university premises and as directed by the Engineer In charge.	Job	1	150000	150000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
7	2	Re routing of HDPE Pipes 3 Nos For Water Supply/ Fire Fight System of below mention Dia. that is 90mm, 160mm & 200mm. Polyethylene Pipe (PE-100), as per required dia. Class PN-16 / SDR-11, Butt Fusion Jointed, including cost of Bend/elbow. TEE, Threaded/coupler/Union connection with Gi or MS pipe / HDPE where required complete in all respects (excl cost of Excavation) around 110 Rft each pipe.	Rft	110	150	16500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
8	3	Providing & Laying of new pipes as mentioned below to connecting and joint with existing HDPE pipes including all necessary Tee bend sockets etc. a. Polyethylene Pipe (PE-100), 90 mm Dia Class PN-16 / SDR-11 supply and fixing. b. Polyethylene Pipe (PE-100), 160 mm Dia Class PN-16 / SDR-11 (supply and fixing. c. Polyethylene Pipe (PE-100 200 mm Dia Class PN-16 /) SDR-11 supply and fixing				
9	a	90mm Dia	Rft	350	875	306250
10	b	160mm Dia	Rft	350	2650	927500
11	c	200mm Dia	Rft	350	4160	1456000
12		Excavation/ Cutting for Foundation				

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
13	4	Earthwork/ Excavation in open cutting up to any depth all type of soil for building such as Ordinary /Hard Soil and Rock etc. for foundation/ to achieve +0.00 level/ New Ground level including under pinning and shoring to protect existing works, shuttering and timbering, dressed to designed level and dimensions and disposal of surplus excavated material to any lead/ out of university premises , Complete in all respect as per Drawings and instruction of Engineer-in charge .Excavation for creating working space will not be considered for payment .	Cft	75000	17	1275000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
14	5	Earthwork/ Excavation in open cutting up to any depth all type of soil for building such as Ordinary /Hard Soil and Rock etc. for foundation including under pinning and shoring to protect existing works, shuttering and timbering, dressed to designed level and dimensions and compaction the excavated surface up to 95% AASHO and disposal of surplus excavated material to any lead/ out of university premises , Complete in all respect as per Drawings and instruction of Engineer-in charge. Excavation for creating working space will not be considered for payment .	Cft	120000	17	2040000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
15		Back Filling				
16	6	Back filling under floor, above ground level / around plinths as where required with soil obtained from excavation in 6" layer and compaction up to 95% AASHTO Complete in all respect as per Drawings and instruction of Engineer-in charge	Cft	29000	10	290000
17	7	Providing and filling (Lawrancepur) sand under floor, at any level / around plinths as where required in layer not exceeding 6"thick including consolidation ,watering compaction , leveling and dressing Complete in all respect as per Drawings and instruction of Engineer-in charge	Cft	10200	88	897600

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
18		Hard Core				
19	8	A bed of Earthquake impact retardant Aggregates (EIRA) mixture having in layers laid below the foundation/ as where required in ratio of 70:30 coarse aggregates & fine aggregates (shingles). 6" layer compaction up to 95% AASHO for the strength, to be checked and approved by the Engineer- incharge , complete in all respect	Cft	7500	80	600000
20		Spray Anti-Termite				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
21	9	Spraying anti-termite liquid of Agenda 25 EC Bayer Environmental (Ratio 1 litter liquid with 250 Litter of water with 3 repeated operations @ 4 liters chemical /10 Sft would be used on horizontal / vertical surfaces by using mechanical equipment for spraying, complete in all respect as per instruction of Engineer - in charge .				
22	a	Under Footing / Foundation	Sft	16000	31	496000
23	b	Under Floor	Sft	11000	31	341000
24		PCC 1:4:8				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
25	10	Providing/laying of cement concrete (1:4:8) in foundation using Lawrancepur Sand and Margala 3/4" thick down Crush as all specified. With machine mixing, placing, including required formwork and its removal, curing etc. complete in all respect as per drawings and instruction of Engineer -in charge	Cft	3400	437	1485800
26		Foundation & Retaining Wall				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
27	11	Providing and laying reinforced cement concrete using (Batching Plant Concrete) lawrencepur sand and margala crushed aggregate 3/4" (19mm or as recommended by Lab) and down gauge 4000 psi (cylindrical strength) on 28 days in foundation of any shape , including vibrating compacting, curing, and water tightening form-work (steel form work or steel scaffolding pipes with 1”thick plywood sheets not used more than 2 times each side) & its removal Note: The Contractor shall provide approved concrete mix design with add mix (Super Plasticizer to achieve the required strength) from a recognized Lab as approved by the Engineer. complete in all respect as				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
28	a	a) Columns Footings & Retaining wall foundation	Cft	10800	819	8845200
29	b	b) Retaining wall	Cft	5800	1000	5800000
30		Columns/ Lift Walls				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
31	12	Providing and laying reinforced cement concrete using (Batching Plant Concrete) lawrencepur sand and margala crushed aggregate 3/4" (19mm or as recommended by Lab) and down gauge 4000 psi (cylindrical strength) on 28 days in foundation of any shape , including vibrating compacting, curing, and water tightening form-work (steel form work or steel scaffolding pipes with 1”thick plywood sheets not used more than 2 times each side) & its removal Note: The Contractor shall provide approved concrete mix design with add mix (Super Plasticizer to achieve the required strength) from a recognized Lab as approved by the Engineer. complete in all respect as				

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Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
32	a	Lower Ground Floor /Basement	Cft	2100	1000	2100000
33	b	Upper Ground Floor	Cft	1150	1000	1150000
34	c	1st Floor	Cft	1150	1000	1150000
35	d	2nd Floor	Cft	1343	1000	1343000
36	e	Mumty /Above 2nd floor roof level	Cft	300	1000	300000
37		Beams				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
38	13	Providing and laying reinforced cement concrete using (Batching Plant Concrete) lawrencepur sand and margala crushed aggregate 3/4" (19mm or as recommended by Lab) and down gauge 4000 psi (cylindrical strength) on 28 days in foundation of any shape , including vibrating compacting, curing, and water tightening form-work (steel form work or steel scaffolding pipes with 1”thick plywood sheets not used more than 2 times each side) & its removal Note: The Contractor shall provide approved concrete mix design with add mix (Super Plasticizer to achieve the required strength) from a recognized Lab as approved by the Engineer. complete in all respect as				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
39	a	Lower Ground Floor /Basement	Cft	3700	819	3030300
40	b	Upper Ground Floor	Cft	3700	819	3030300
41	c	1st Floor	Cft	3700	819	3030300
42	d	2nd Floor	Cft	3700	819	3030300
43	e	Above 2nd floor roof level	Cft	150	819	122850
44	14	RCC Slab				
45	a	Lower Ground Floor /Basement	Cft	4850	819	3972150
46	b	Upper Ground Floor	Cft	7225	819	5917275
47	c	1st Floor	Cft	7075	819	5794425
48	d	2nd Floor	Cft	7474	819	6121206
49	e	Above 2nd floor roof level	Cft	350	819	286650
50	15	Same as above item No #13 but for RCC 3000 PSI				
51	a	Plinth Beam	Cft	1550	770	1193500
52	b	Slab on Grade	Cft	7350	770	5659500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
53	c	Stairs & Ramp (All/ Any Floor)	Cft	1920	770	1478400
54	d	RCC Roof Parapet	Cft	625	770	481250
55	e	OHW tank	Cft	870	770	669900
56	f	Septic Tank / SUMP	Cft	865	770	666050
57	g	Lintels Beams & windows shades (All/Any Floor)	Cft	870	770	669900
58	h	Mumty Slab & Beams	Cft	350	770	269500
59	i	Any where required	Cft	150	770	115500
60	16	Reinforcing Steel				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
61		Providing, cleaning, cutting, bending, placing & fixing in position etc., high tensile steel deformed bars confirming to ASTM-A615 -02 including cost of spacer blocks, binding wire, complete in all respect as shown on drawings and or as directed and approved by the Engineer. (Over Laps and Chairs will not consider for payment) complete in all respect as per drawings and instruction of Engineer. including the cost of lab tests .				
62	a	60 Grade (Any Floor)	Kg	164500	319	52475500
63	b	40 Grade (Any Floor)	Kg	130700	314	41039800
64		Water Proofing				

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
65	17	Water proofing of overhead water tank with 1/2" thick Cement sand Plaster with 1:3, with 1/2" Terrazzo over and including the plaster 1:2(one part of cement and 2 Parts of marble Chips) 0 or 9 Number Marble Chips complete in all respect as directed by Engineer In charge including all the necessary arrangements such as formwork etc. for completion of work				
66		overhead water tank & Septic Tank (inside) and outer side of Retaining wall	Sft	9300	325	3022500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
67	18	Providing and applying water proofing 4mm thick torch bonding bituminous membrane including primer (roof grip or equivalent as approved by engineer) as per manufacturer specification complete in all respect on external side of retaining wall as per drawings and instruction of engineer	Sft	8170	122	996740

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
68	19	Providing and fixing of PVC water stopper 250 mm wide and 12mm thick as and where required for construction joints properly lapped / jointed where required and properly placed vertically or horizontally in concrete, sample as approved by the engineer, complete in all respect as per drawings and instruction of engineer	Rft	680	870	591600
69		Architectural Works				
70		GENERAL NOTE				
71		Scope (Application to all sections)				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
72		Supply, installation, testing and commissioning of the following items of works, including all materials, labor, tools, accessories, etc. required completion of each item as per specifications and approved by Engineer.				
73		Horizontal DPC				
74	1	DPC 2" thick IPCC 1:2:4, including water proofing agent, form work, complete in all respects as per manufacture specification as approved by the engineer	Sft	200	57	11400
75		Plinth Protection				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
76	2	Providing and laying Plinth Protection total width 30" with 9" thick Toe wall 1'-6" deep including 3" thick PCC 1:4:8 under toe wall, PCC 1:4:8, 3" thick and PCC 1:2:4, 3" thick finish with steel garmala, 4ft long panel with marble petty divider using Lawrancepur sand and margala crush, including required front plater & backfill & compaction as approved by Engineer	Rft	450	250	112500
77		Bricks				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
78	3	Providing and laying First Class solid brick masonry work (at any floor / height) 1800 PSI crushing strength and water absorption 15% of its weight including lab report result in 1:6 cm any thickness and above wall in super structure with holding strip 1'-6" c/c vertical 1"x1/8" Patti 4"+12" (16" long) making 2 holes to fix on columns with 2" long 6mm Dia expansion bolt 2 Nos etc. complete as approved by the Engineer (Curing 7 days) sample to be approved				
79	a	same as above but 9" and above thick Wall Set in 1:6 cement mortar	Cft	18625	572	10653500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
80	b	same as above but 4.5" thick Wall Set in 1:4 cement mortar	Cft	2700	647	1746900
81		Plaster				
82	4	3/4" (19 mm) cement plaster 1:4 on walls and columns etc.at any floor including making edges, corners, and curing etc. Complete All the concrete and masonry joint to have GI Expanded Metal sheet on the overlapping by 4 inches on either surface properly nailed (SS nail). Before plastering to ensure crack free plaster joint , in true line, plumb, trowel, including form work curing complete in all respects and as directed by Engineer incharge.	Sft	48000	62	2976000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
83	5	1/2" (13 mm) cement plaster 1:4 on Ceiling & Beams etc. at any floor including making edges, corners, and curing etc. Complete, in true line, plumb, trowel, including form work curing complete in all respects and as directed by Engineer incharge.	Sft	32000	42	1344000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
84	6	External Plaster up to 1.5" thick with grooves up to 1.5" wide 3/4" deep plaster with 1:4 CM as showmen on drawings including base plaster to any height, All the concrete and masonry joint to have GI Expanded Metal sheet on the overlapping by 4 inches on either surface properly nailed (SS nail). Before plastering to ensure crack free plaster joint in true line, plumb, trowel, including form work curing complete in all respects and as directed by Engineer incharge.	Sft	23500	105	2467500
85		Paint Internal				

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
86	7	P/ Apply three coats of water based (Jotun or equivalent) after the preparation of surface on walls and ceiling all as approved. Painting with Mat Enamel paint of approved shade three coats over primer applied over putty filled surface prepared with sand papering including formwork & the cost of one priming coat complete over plastered surface on walls and ceiling etc. at any height and any floor and as directed by the Engineer In charge.				
87	7a	Walls Matt Enamel /water based	Sft	48000	40	1920000
88	7b	Ceiling (Plastic Emulsion)	Sft	43000	40	1720000

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
89	8	Providing & applying 1.5 mm thick fine textured high quality Sandtex Coating formed of special Acrylic base protective decorative coating of approved color & shade with trowel having top class finish over well cleaned plastered surface i/c preparation and cleaning the surface, complete in all respect as approved and directed by the for horizontal and vertical joints of concrete interfacing masonry with Preparing surface and applying Graffiato Weather Coating	Sft	10608	140	1485120
90		External Paint				

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
91	9	Painting three coats with weather shield paint (Jotun original make) of approved shade on plaster surface (external) including form work & the cost of clearing the surface, sand papering etc. complete in all respect or as directed by Engineer In charge.	Sft	23500	65	1527500
92		False Ceiling 4'x8'				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
93	10	P/F panels false ceiling Gypsum board tile (DFB) gypsum 4’ x 8’ 12mm thick sheet (Elephant Brand made in Thailand) including alkaline sheet with concealed frame GI 26 gauge suspended under existing roof to be fixed with hanging steel wires CKM including treatment of joints & formwork complete all as specified and approved and as directed by the Engineer In charge.	Sft	7200	250	1800000
94		False Ceiling 2'x2'				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
95	11	Providing and fixing 2'x2' size 3/8 thick laminated gypsum board false ceiling panels as approved pattern placed over imported high grade steel wall/ column molding main and cross "T" bar framing having self locking clips, nails and screws, sections powered coated in approved color suspension system consisting of GI adjustable hangers of 10 SWG, stiffeners, expansion bolts including provision for AC diffusers/ light fixture having (No deduction will be made for any fixture having area up to 4 sqft. as approved by Engineer Imported Make IRSH, BORAL or equivalent	Sft	6500	140	910000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
96		Windows / Ventilators				
97	12	Supplying of aluminum window Sliding / Fixed (Deluxe Model) of Anodizes aluminum any color section 2.0 mm thick and 100mm wide up to any height as specified including fixing on concrete, wooden or steel frames complete with all necessary fitting including 6mm thick tinted dark grey blackish as per old building color glass (Ghani Glass) fixed with rubber bead all as spd including locking system and insect screening with imported fiber mesh same color as approved. (Lucky aluminum or equaling)	Sft	2950	1750	5162500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
98	12a	Same as above but ventilators	Sft	685	1900	1301500
99	13	providing and applying of Frost Paper of any shape & design and as directed by the engineer In charge.	Sft	700	90	63000
100		Aluminum Door				
101	14	Providing and fixing 12mm thick tempered glass (Ghani Glass) door with top & bottom 4" high 2mm section aluminum rail and floor mounted double action (door closer), locking arrangement Italian make door handles (CP 36" long) as shown on drawing with motor fitting best quality including all supporting hinges + clipping (Lucky aluminum or equaling)	Sft	190	1657	314830

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
102	14a	Same as above but 12" mm thick fix Tempered glass Partition	Sft	120	1400	168000
103		Ash Veneered Door				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
104	15	Providing making and fixing in position 1st class white Oak Wood 1-1/2" thick paneled door shutter frame having top, bottom, side and center rails may not less than 5" wide and Door panel made with 3/4" thick MDF sheet, having grooves as shown in drawing, including 2"x5" 1st Class white Oak wood door frame fixed to wall with expansion bolts 4 Nos on each side including 3"x5/8" and 5/8"x1" architrave at wall/ frame joint, finish with wood stain lacquer polish including matching color S.S, hinges, door stopper, S.S tower bolt, S.S Rosette double cylinder approved locks, complete as per drawings specifications and as directed by the Engineer (Basic price for lock Rs 8000)	Sft	1670	2480	4141600

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
105	15a	Same as above but including sun lights with 6mm tempered tinted Glass with wooden frame as mentioned in drawings and as directed by the engineer in charge D1A & DW1	Sft	170	2480	421600
106		Hydraulic Door Closer				
107	16	Providing and fixing Japan make locally available New Star Japan made Hydraulic door closer to wood or aluminum door etc., complete as per drawings, specifications and as directed by the Engineer.	Each	35	2000	70000
108		uPVC (AVT) Doors				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
109	17	Providing, making and fixing in position first quality uPVC steppe type painted doors having injection molded surface with reaction injected molded rigid polyurethane core flush shutters of AVT or approved equivalent including uPVC door frame, fixed to wall by mean of expansion bolts 4 Nos on each side including uPVC architrave on both sides at wall/ frame joints, including approved handle locks, tower bolts, stainless steel hinges and door stopper, complete as per manufacturer's specifications, drawing and as directed by the Engineer	Sft	840	1700	1428000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
110		Steel Door for Mumty/ Electric Room				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
111	18	Providing and fixing single leaf steel doors made to Crittall or equivalent standard and of approved sections fully paneled with M. S . Sheet of 16 gauge and 1"x1"x18swg ms pipe painted with two coats of red oxide paint & 3 coats of oil based enamel paint including using approved brass section oxidized fitting iron lugs, locking arrangements cutting holes and making good damages to walls etc. complete as required in any floor. The MS Sheet shall be bent @ 9 inches in 1"x1" U shape. door frame ms angle iron \ 2"x2"x3mm complete in all respects	Sft	128	1035	132480

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
112		Duct Shutters				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
113	19	Providing, fabricating, and fixing MS sheet horizontal louvers of 16 SWG in Z-shaped configuration, comprising a frame of 1" × 2" MS hollow pipe of 18 SWG and an external frame of 2" × 2" MS hollow pipe of 16 SWG, securely fixed with expansion bolts. The complete shutter shall be divided into independent 8'-0" heigh sections, each independently openable, and shall include all necessary hinges, tower bolts, handles, locking arrangements, and associated fittings. The entire MS assembly shall be finished with two coats of red oxide primer and three coats of oil-based synthetic enamel paint, including all materials, labor, fabrication, installation, and accessories, as approved	Sft	316	1129	356764

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
114		Emergency Stair				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
115	20	Providing, fabricating, cutting, welding, erecting in position steel stringer made of MS Channel ISMC 250 (10"x3") @ 30.6 kg/m, 2 Nos per flight, Landing frame made of ISA 50x50x6mm & ISMC 150, including base plates 300x300x12mm, vertical MS column as where required 10mm thick, stiffeners, full welding, grinding, lifting, scaffolding etc. Steel Grade ASTM A36 / Grade 40. MS Chequered Plate 6mm thick (4.5mm min +1.5mm chequer) for treads size 4'-0" x 11" & landings 4'-0" x 4'-0", welded to stringers/frames with 5mm continuous fillet weld, including 50x5mm MS flat iron nosing at edge, MS handrail 1060mm high, comprising top rail 50x50mm hollow x 16SWG MS pipe (1.5"),	Rft	160	13000	2080000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
116	21	Providing & laying CC 1:2:4 for footing 2'x2'x3' deep, including excavation, formwork, 4 Nos anchor J bolts for each foundation 19mm Dia x 600mm long with nuts, Base plates 200x200x10mm & washers per base plate, complete.	Job	1	170000	170000
117		SS Railing				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
118	22	Vertical post consists to two pressed stainless steel rectangular shape with spacers top & bottom universal joints for any regular movement. Top rail 3"x 1" ss 16 SWG rectangular high stainless steel 3'-0" high S.S posts 36" distance c/c installed railing on stair, (master pieces standard railing) non magnetic or equaling Railing on any floor as per drawings with 3 No 3/4" Dia rectangular SS tubes/ pipes through below top rail samples approved by the Client contractor will provide a sample of complete railing with basic shop price of railing.	Rft	200	2105	421000
119		PCC 1:4:8 under Floor				

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
120	23	PCC 1:4:8 using lawrancepur sand and margala crush as under floor or where as required including formwork, Complete in all respects any floor as directed by Engineer	Cft	5200	437	2272400
121		PCC 1:3:6				
122	24	PCC 1:3:6 using lawrancepur sand and margala crush where as required including formwork, Complete in all respects any floor as directed by Engineer	Cft	800	470	376000
123		PCC 1:2:4 under Floor				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
124	25	PCC 1:2:4 using lawrancepur sand and margala crush as under floor or where as required including formwork curing, Complete in all respects any floor as directed by Engineer	Cft	6400	520	3328000
125		Water Proofing				
126	26	Providing and applying water proofing under floor 4mm thick torch bonding bituminous membrane including primer (roof grip or equivalent as approved by engineer) as per manufacturer specification complete in all respect on external side of retaining wall as per drawings and instruction of engineer	Sft	12300	122	1500600

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
127	27	Water proofing of 3/4" thick terrazzo 1:2(one part of cement and 2 Parts of marble Chips) 0 or 9 Number Marble Chips, complete in all respect in good level finish as directed by Engineer In charge including all the necessary arrangements for completion of work	Sft	2500	325	812500
128		Roof Insulation				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
129	28	Providing and laying terrazzo in flooring of approved shade having minimum terrazzo thickness of 5/8 inch having 3'x3' panels with 1/2" x 1½" thick Jet Black Patti Marble (one part of grey cement and two parts marble chips of approved color and including average 5 to 7 no's) laid with cement slurry over and including average 3" thick Average 1:2:4 PCC including curing, grinding, chemical polishing etc. complete in all respects as per specifications and instructions provided by Engineer in Charge.	Sft	11000	903	9933000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
130	29	Terrazzo Skirting of 3/4" thick terrazzo 1:2(one part of cement and 2 Parts of marble Chips) 0 or 9 Number Marble Chips, with hand grinding and polish complete in all respect in good level finish as directed by Engineer In charge including all the necessary arrangements for completion of work	Sft	800	150	120000
131		Flooring				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
132	30	Providing and laying of terrazzo tiles in flooring of size 12"x12"x1" of approved and shade having minimum terrazzo thickness 5/8" (1 part of gray cement and two part of marble chips of approved color and quality 5 to 7 no's) laid with cement slurry over and including 1-1/2" thick 1:3 cement base plaster, with grouting of joints in matching color including curing grinding polishing complete in all respects.	Sft	7620	325	2476500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
133	31	Providing and fixing of marble skirting (sunny gray) 1/2" thick factory polished with tile bond, minimum 2 feet length fill joints with matching color, complete in all respects	Sft	350	130	45500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
134	32	Providing and laying polished/matt finish Porcelain tile size as per approved sample of approved make, color, and shade with patches/borders pattern in dark color, laid with tile bond over and including 1" thick 1:4 cement sand base mortar, joints fill with matching tile filler, complete as per detail shown on the drawing, specifications, and as directed by the Engineer. (Floor Type as per dwg) Note: Purchase Rate of Porcelain Tile supplied at site should be taken as Rs.400/- per sft.	Sft	32700	600	19620000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
135	33	Providing and laying polished/matt finish Porcelain tile skirting size as per approved sample of approved make, color, and shade with patches/borders pattern in dark color, laid with tile bond over joints fill with matching tile filler, complete as per detail shown on the drawing, specifications, and as directed by the Engineer. (Floor Type as per dwg) Note: Purchase Rate of Porcelain Tile supplied at site should be taken as Rs.400/- per sft.	Sft	1560	600	936000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
136	34	Providing and fixing in porcelain glazed tiles of approved make, shade and color, in dado fixed with Tile bond and filling the joints with tile filler of same color, including CSM (1:6) plaster 3/4" thick in true level, line and plumb and properly cured, complete as per drawings, specifications and as directed by the Engineer. Note: Purchase Rate of Porcelain Tile supplied at site should be taken as Rs.300/- per sft.	Sft	6762	510	3448620

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
137	35	Providing and laying in Bath room non skid Porcelain tiles in floor of approved size and make, shade and color with tile bond filling, joints with tile filler of same color over and including 1" thick 1:4 cement sand base mortar over and already laid pcc leveling screed having 1" slope towards floor drain etc., complete as directed by the Engineer.(Floor Type as per dwg.) Note: Purchase Rate of Porcelain Tile supplied at site should be taken as Rs.300/- per sft.	Sft	2500	510	1275000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
138	36	Providing and fixing 12" wide 1"thick granite step full size prepolish front golah including, three grooves, base mortar 1.2 cm slurry filling the joint match color for stair 1 as approved (basic shop price Rs 550/ Sft)	Sft	1810	814	1473340
139	36	Same as above 3/4" thick Landing Marble in required size prepolished as approved (basic shop price Rs 500/ Sft)	Sft	905	780	705900
140	37	Same as above granite 3/4" thick Riser / Skirting prepolished (basic shop price Rs 500/	Sft	561	780	437580
141	37	Same as above granite 1" thick for ablution sittings prepolished (basic shop price Rs 550/ four sides nosing	Sft	30	780	23400

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
142		Same as above granite 3/4" thick on Lift walls mechanical fix (Clamps and screws / channels) with groves prepolished (basic shop price Rs 500/	Sft	220	880	193600
143	38	Marble Window Sill Providing & Laying window sill Full length or 6 feet minimum (Edge bull nosing both sides 12" to 15" wide) 3/4" thick with cement sand mortar 1:2 joints filling with matching color as per Drawing sunny white factory polished.	Sft	815	160	130400

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
144	39	Marble on parapet 3/4" thick up to 12" wide Sunny Gray marble pre-polish with Golah edging min 4'-0" long fixed with 1:2 cm mortar and with 4" long screws & Rawal plugs, joint filling, complete in all respects.	Sft	650	130	84500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
145	40	Wardrobes Providing, making and fixing 24" deep Ward Robes using 5/8" thick Laminated MDF shelves fixed on wooden battens and 1 1/2"x2" well seasoned kal wood facing frame and 3/4" thick Laminated MDF shutters panel and Deodar wood leaping and architrave as shown on drawing including the cost of lacquer polish inside and outside on wood including Aluminum rod 3/4' Dia cabinet hinges, handles, drawer, steel carriage and lock with key etc. Complete as per instructions of the Engineer.	Sft	40	1500	60000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
146	41	Provision of Mehrab (wooden structure) as per drawings and specifications complete in all respects and as directed by the engineer incharge.	Job	1	250000	250000
147	42	Providing and fixing rain water down pipe (AGM or equivalent) heavy duty 5" Dia with MS clump 4' c/c, including Tee, bend, sockets etc. as approved by Engineer	Rft	600	709	425400
148	43	Providing and making of Khurras on roof size 2'x2'x3" in with terrazzo toping complete in all respects including cost iron roof drain four side screening (alpine brand)	No	12	1000	12000
149		External civil works				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
150	4	Earthwork/ Excavation in open cutting up to any depth all type of soil for building such as Ordinary /Hard Soil and Rock etc. for foundation/ to achieve +0.00 level/ New Ground level dressed to designed level and dimensions and compaction the excavated surface up to 95% AASHO dressed to designed level and dimensions and disposal of surplus excavated material to any lead/ out of university premises , Complete in all respect as per Drawings and instruction of Engineer-in charge .Excavation for creating working space will not be considered for payment .	Cft	60000	17	1020000

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
151		PCC 1:3:6				
152	10	Providing/laying of cement concrete (1:3:6) in floor Batching plant mix using Lawrancepur Sand and Margala 3/4" thick down Crush as all specified., placing, including required formwork and its removal, curing etc. complete in all respect as per drawings and instruction of Engineer -in charge	Cft	5200	470	2444000
153		PCC 1:2:4				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
154	10	Providing/laying of cement concrete (1:2:4) in floor in panels 6'x6' with marble Pati, Batching plant mix using Lawrancepur Sand and Margala 3/4" thick down Crush as all specified., placing in true level finish with steel trowel, including required formwork and its removal, curing etc. complete in all respect as per drawings and instruction of Engineer -in charge	Cft	2200	520	1144000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
155		Bottoming/sub base of any thickness as specified using Soil Aggregate/Granular Base Material of CBR 30% laid and compacted to 90% Modified AASHTO density, by appropriate compaction equipment and roller complete in all respect and as per instruction of engineer in charge	Cft	3000	80	240000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
156		Providing and laying 50mm thick C.C Pavers of 6000 psi compressive strength in combination of 70% Gray and 30% colored as per required size and laid in pattern over & including 2" average thickness of sand along with grouting the joints with sand and compacting the pavers up to the satisfactory level complete in all respect and as per instructions of engineer in charge.	Sft	6000	172	1032000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
157		Providing and laying PCC Kerb Stone size 450x300x150 including setting joints and pointing in 1:4 C/S mortar, complete in all respect and as per instructions of engineer in charge. Along with required Excavation	Rft	350	421	147350
158		Bricks				
159	3	Providing and laying First Class solid brick masonry work (at any floor / height) 9" thick and above 1800 PSI crushing strength and water absorption 15% of its weight including lab report result in 1:6 cm any thickness and above wall in sub structure complete as approved by the Engineer (Curing 7 days) sample to be approved	Cft	2500	572	1430000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
160	4	3/4" (19 mm) cement plaster 1:4 on walls and columns etc.at any floor including making edges, corners, and curing etc. Complete Before plastering to ensure crack free plaster joint , in true line, plumb, trowel, including form work curing complete in all respects and as directed by Engineer incharge.	Sft	4500	62	279000
161		Plumbing Works				
162		GENERAL NOTE				
163		Scope (Application to all sections)				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
164		Supply, installation, testing and commissioning of the following items of works, including all materials, labor, tools, accessories, etc. required completion of each item as per specifications and approved by Engineer.				
165		Water Closet European one Piece				
166	1	S/F water closet apparatus European pattern couple set including hydraulic Seat Cover complete with flushing cistern in white/light color any size or make, fixed to concrete, brick, stone, or wood work, PORTA all as spd as approved (basic shop price Rs 20,000)	Each	36	22000	792000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
167		Water Closet squartter Type Indian				
168	2	Providing and fitting white glazed earthen ware water closet including P-Trape, uPVC hockey pipe 2" Dia squartter type, with foot rest. I/C flushing Tank with complete fitting PORTA all as spd as approved (basic shop price Rs 9000)	Each	11	11000	121000
169		Mirror				
170	3	P/F mirror with sides tappered 1" all around any shape, size and pattern 5mm thick Belgium made making edges fixed on stone, or woodwork including screw and brackets.etc complete in all respect as directed by Engineer in Charge.	Sft	140	200	28000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
171		Vanity Counter				
172	4	Providing and Fixing vanity counter 2'-0" wide, 3/4" thick Granite marble prepolished golah making vanity hole including base mortar cement slurry fix on 2" thick RCC slab with with reinforcement bars 3" thick brick wall 1/2" thick 1:4 cm plaster etc complete with vertical marble as approved as per drawing (Basic Shop price of Granite Rs 550/ Sft)	Sft	120	750	90000
173		Under counter Vanities				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
174	5	Providing and Fitting Vanities (Porta Make) including cutting of Granite and nosing Approved Shape complete in all respect as per drawing as approved (Basic Shop price Rs 4000)	Each	23	5500	126500
175		Hand Basin				
176	6	Providing and fitting glazed earthen ware wash hand basin (Porta Make) including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal (basic shop price Rs 6000)	Each	4	7500	30000
177		Copper Connection Pipe				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
178	7	Providing and fixing Copper Connection pipe for Vanity, Basin & WC etc complete in all respect as approved	Each	77	450	34650
179		Paper Holder				
180	8	P/F Supply and fix toilet paper holder S.S heavy duty any shape pattern and size complete with plugs, screws etc fixed to concrete, brick, stone or wood work best quality as approved (basic shop price Rs 1500)	Each	36	2500	90000
181		Towel Rail				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
182	9	P/F Supply and fix towel rail, chromium plated, heavy duty single rod any pattern, shape and size complete with plugs, screws etc fixed to concrete, brick, stone or wood work as approved (basic shop price Rs 1500)	Each	10	2500	25000
183		Double Bib Cock				
184	10	Bib cock double chromium plated 1/2"Ø with Toilet shower etc complete (basic shop price Rs 5000)	Each	48	6500	312000
185		Wall Shower				
186	11	Wall shower complete set (basic shop price Rs 15000)	Each	48	18000	864000
187		CP Vanity Mixer				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
188	12	C.P. Vanity/ Basin mixer fancy head any pattern and shape screw down high pressure; lettered “HOT” and “COLD” with long screw shanks any fly nuts complete, supply and fixing (basic shop price Rs 5000)	Each	27	7000	189000
189	13	Providing and Installation of abulation mixer for abulation area, Purchase Price Rs.6,500/-	Each	21	8500	178500
190		Soap Dish				
191	14	Proiding and Fixing Soap Dish (basic shop price Rs 1500)	Each	25	2200	55000
192	15	Providing and fixing grip handle for special person as approved (Basic Shop price 3000)	Each	8	3500	28000
193		Stopcock				

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
194	16	Stopcock chromium plated screw down high pressure; fancy type; but tee stop cock (basic shop price Rs 1800)	Each	75	2300	172500
195		Water Cooler				
196	17	Providing and Fixing Water Cooler General, Supreme imported comperssor copper condenser, copper motor, food grade storage tank one year warranty 35 Ltr (Orient / Heire or Equivalent)	Each	7	50000	350000
197		Water Geyser				
198	18	Providing and Fixing Electric water geyser(NASGAS, Singer or equivalent) 10L all as spd. complete fitting etc in all respect	Each	1	22000	22000
199		Water Geyser				

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
200	19	Providing and Fixing hybrid water geyser(NASGAS, Singer or equivalent) 35L all as spd. complete fitting etc in all respect	Each	2	65000	130000
201		Floor Trap				
202	20	Providing and Fixing Floor Traps (AGM) muilti connection with SS grating 8"x8" etc complete i/c fixing mortar	Each	82	3600	295200
203		SS Bottle Trap				
204	21	Providing and Fixing SS Bottle Trap With all Fitting As Approved complete in ass respects.	Each	23	2250	51750

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
205	22	Gully Trap Excavate to dispose off surplus spoil on site, make good the surface disturbed, supply (230mm x 230mm x 100mm outlet) surface gullies and bed, and surround in 100mm of CC type-'C', provide 100mm x 125mm rounded CC type-'C' curb or 900mm x 900mm x 100mm dished CC type- 'C' top and 250mm x 250mm galvanized stainless steel loose grating, complete in all respects.	Each	2	4000	8000
206		Clean Out				
207	23	Providing and Fixing uPVC AGM clean out 3" dia With all Fitting As Approved complete in ass respects.	Each	15	1500	22500

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
208	24	Providing and Fixing uPVC AGM clean out 4" dia With all Fitting As Approved complete in ass respects.	Each	15	1800	27000
209	25	Providing and Fixing uPVC AGM clean out 5" dia With all Fitting As Approved complete in ass respects.	Each	15	2100	31500
210		CC Cloth Hook				
211	26	Providing and Fixing SS double cloth hooks With all Fitting As Approved complete in ass respects.	Each	70	350	24500
212		Water Motor				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
213	27	Centrifugal Pump Set Centrifugal Pumping set (KSB) with A.C electric motor, 400V, 3 phase, 10 HP, 50 cycles, motor and pump directly coupled and mounted on common bed plate/ channel base, duly aligned, head 15 M, Capacity 200-300 GPM, 1450 RPM, Complete, with anchoring bolts/ nuts, Motor efficiency IE-2, Insulation class 'F', enclosure characteristics IP-55, supply and fixing. including sucksion pipe upto 20 ft with Valve. including Electric DB from KSB	Each	1	550000	550000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
214	28	Providing and Fixing 0.5 HP Submersible Non Clogging Pump (KSB) with complete all accosries as per approved make in all respect for soomth functioning, dia as directed by the Engineer in Charge (Head 18 ft with discharge 30GPM) including Electric DB from KSB	Each	2	70000	140000
215	29	Sluice Valve, according to BSS-3464 class 150, (Table 18-1-6) flanged and drilled to BS, Table 18-1-10, complete with rubber packing, 80 mm dia, supply and fixing. KITZ	Each	2	26000	52000
216		GI Pipes Water Tank to Bath Rooms				

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
217	30	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with all accessories such as socket joints, Elbow, Union etc. complete G.I. pipes of IIL-L Karachi complete in all respects.				
218	a	1" i/d (25 mm)	Rft	50	300	15000
219	b	1½" i/d (40 mm)	Rft	360	545	196200
220	c	2" i/d (50 mm)	Rft	205	688	141040
221	d	2 1/2"id (65mm)	Rft	340	944	320960
222	e	3" id (80mm) pressure pipe IIL-M	Rft	60	980	58800
223		Gate Valve				
224	31	Providing and fixing gun metal Peet/gate valve (screwed):- (Kitz / equalent make)				
225	c	40 mm(1½") dia	Each	10	5000	50000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
226	d	50 mm(2") dia	Each	2	6500	13000
227	e	65mm (21/2")dia	Each	4	11000	44000
228	f	65mm (21/2")dia non return valve	Each	2	18000	36000
229	g	65mm (21/2")dia Sand strainer including all accessories complete.	Each	1	18000	18000
230		PPRC Pipe				
231	32	P/F PPRC Pipe heavy duty for Cold/ Hot Water with all fitting Tee, Elbow union sockets etc fitting and testing with pressure pump conceled in walls & floor i/c hocks etc complete. RAK-THEARAM UAE or equivalent PN16, PN20				
232		First Floor				
233	a	3/4" dia 20mm	Rft	48	97	4656
234	b	1" dia 25mm	Rft	290	113	32770

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
235	c	1-1/4" dia 32mm	Rft	542	163	88346
236	d	1-1/2" dia 40mm	Rft	535	253	135355
237	33	Gate Valve (for PPRC Pipes)				
238	a	3/4" dia 20mm	Each	2	2500	5000
239	b	1" dia 25mm	Each	4	2900	11600
240	c	1-1/4" dia 32mm	Each	5	3200	16000
241	d	1-1/2" dia 40mm	Each	3	4000	12000
242		UPVC Pipe				
243	34	P/F UPVC Pipe heavy duty for bath/ toilet out let pipes i/c all fitting sockets bend tees Y Tees etc. Vertical and Horizantal i/c PCC cover on horizantal pipes and steel clumps 5'-0" c/c for vertical pipes I/c Air Pipes AGM Saudi Arabia or equivalent Piping System,				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
244	a	6"Ø	Rft	75	1214	91050
245	b	5"Ø	Rft	160	709	113440
246	c	4"Ø	Rft	410	680	278800
247	d	3" Ø	Rft	510	577	294270
248	e	2"Ø	Rft	85	255	21675
249	f	Air Grill 3" Dia	Each	7	349	2443
250	g	Air Grill 2" Dia	Each	7	252	1764
251		Main Holes				
252	35	Excavation for foundation & Back filling for structural elements in 6" layers including shoring watering raming etc complete balance surplus material disposed off to any lead	Cft	960	17	16320
253	36	Providing/laying of cement concrete (1:3:6) in foundation using crush or broken stone all as spd.	Cft	200	457	91400

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
254	37	Providing and laying first class brick masonery work in 1:4 cm 9" thick walls around including curing etc as approved	Cft	412	572	235664
255	38	13 mm thick cement plaster 1:3 finished including terrazzo lining with 1:2 as specified.	Sft	453	62	28086
256	39	P/L PCC 1:3:6 in main holes, complete in all respects	Cft	204	457	93228
257	40	Providing and fixing main hole covers cost iron heavy duty 2'-0"x2'-0" (apline) with outer fram fixed in concrete / brick wall etc complete in all respects. 25 to 30Kg	Nos	5	10000	50000

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
258	41	Providing and fixing main hole covers Grating type cost iron heavy duty 2'-0"x2'-0" (apline) with outer fram fixed in concrete / brick wall etc complete in all respects. 25 to 30Kg	Nos	4	10000	40000
259	42	Providing and fixing main hole covers cost iron medium duty 2'-0"x2'-0" (apline) with outer fram fixed in concrete / brick wall etc complete in all respects. 20 to 25Kg	Nos	21	8000	168000
260		UPVC Pipes				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
261	43	Providing and laying UPVC (AGM Saudi Arabia or equivalent) with alighment and grade, jonting with jointing materials including all accessories tee bend sockets etc, excavation, back filling compaction as approved				
262	a	6" dia	Rft	60	1214	72840
263	b	8" dia	Rft	685	1242	850770
264		RCC Pipes				
265	44	Supply and fix reinforced cement concrete pipes 300mm bore, laid and jointed with spigot socket or collars, joint treatment, as specified. Including excavation, sand fill, required pcc complete in all respetcs. Best quality				
266		12" dia	Rft	60	1500	90000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
267		FIRE FIGHTING				
268		Fire Extinguisher				
269	1	Fire Extinguisher as per NFPA-20/UL/FM approved (Portable CO2) Carbon Dioxide, 5 Kg capacity. Along with fixing hooks	No.	18	12000	216000
270	2	Fire extinguisher as per NFPA-20/UL/FM approved (Portable DCP) dry chemical powder type, 6 Kg capacity. Along with fixing hooks	No.	18	4700	84600
271		MS Pipe				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
272	3	MS pipe, Water Quality (Sh. 40), seamless 50 mm Dia, with all fittings i.e. sockets, bends, tees, elbows etc. where required, laid complete in trenches, as specified, supply and fixing. Huffaz / Jamal make, including enamel paint	Rft	60	550	33000
273	4	MS pipe, Water Quality (Sh. 40), seamless 65 mm Dia, with all fittings i.e. sockets, bends, tees, elbows etc. where required, laid complete in trenches, as specified, supply and fixing. Huffaz / Jamal make, including enamel paint	Rft	80	750	60000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
274	5	MS pipe, Water Quality (Sh. 40), seamless 80 mm Dia, with all fittings i.e. sockets, bends, tees, elbows etc. where required, laid complete in trenches, as specified, supply and fixing. Huffaz / Jamal make, including enamel paint	Rft	70	1460	102200
275	6	MS pipe, Water Quality (Sh. 40), seamless 100 mm Dia, with all fittings i.e. sockets, bends, tees, elbows etc. where required, laid complete in trenches, as specified, supply and fixing. Huffaz / Jamal make, including enamel paint	Rft	744	1800	1339200
276		Gate Valve				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
277	7	Providing, installation, testing and comisioning of 50 mm Dia flanged end gate valve for fir system, UL listed/ FM / NFPA approved, complete with all including jointing and fixing in position complete in all respect as per approved drawings, specifications. (Imported Kitz)	No.	10	52000	520000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
278	8	Providing, installation, testing and comisioning of 65 mm Dia flanged end gate valve for fir system, UL listed/ FM / NFPA approved, complete with all including jointing and fixing in position complete in all respect as per approved drawings, specifications. (Imported Kitz)	No.	5	68000	340000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
279	9	Providing, installation, testing and comisioning of 80 mm Dia flanged end gate valve for fir system, UL listed/ FM / NFPA approved, complete with all including jointing and fixing in position complete in all respect as per approved drawings, specifications. (Imported Kitz)	No.	4	85000	340000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
280	10	Providing, installation, testing and commissioning of 100 mm Dia flanged end gate valve for fire fighting system, UL listed/FM /NFPA approved, complete with all accessories including jointing and fixing in position complete in all respect as per approved drawings, specifications. (Imported Kitz)	No.	4	110000	440000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
281	11	Providing and installation, testing and commissioning of Fire Hose Cabinets, Double compartments(Recessed / wall mounted type), Including following items fixed in cabinet. Cabinets and all items shall be as per NFPA /BS/EN standards. i) 1- No. 100 feet x Dia 2-1/2" fire hose with quick connect couplings at both ends. ii) 1-No. fire hose reel with Dia 1 inch x 100 feet Fire Hose, automatic openable valve, pressure reducing valve Dia 1 inch, and adjustable spray nozzle. iii) 1 No. Fire Hydrant valves/ Landing valves Dia 2.5 inch, flanged type. iv) 1-No. DCP 4.5 kgs. Fire extinguisher. v) 1-No. CO2 Type, 4.5 kgs Fire Extinguisher.	No.	10	220000	2200000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
282		Fire Hydrant				
283	12	Fire Hydrant flanged and drilled to BS Table 18-1-10, complete with rubber packing, 80mm Dia, supply and fixing.	No.	4	54000	216000
284	13	100 feet x Dia 2-1/2" fire polyester hose with quick connect couplings at both ends	No.	2	45000	90000
285		Electrical works				
286		GENERAL NOTE				
287		Scope (Application to all sections)				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
288		Supply, installation, testing and commissioning of the following items of works, including all materials, labour, tools, accessories, etc required completion of each item as per specifications and approved by Engineer.				
289	1	Wiring				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
290	a)	Supply, installation, testing & commissioning of electrical wiring , consisting of 3 x 2.5 mm² copper pvc wires of Pakistan, NewAge or Fast Cables as approved in PVC conduits of appropriate size, of Beta recessed in walls/ coloumns/ roof slab or fixed on surface with metal saddles, complete with accessories such as bends, sockets,circular boxes, junctionboxes etc.,cost to be included from DB to first point/first socket as per drawing of the circuit, complete in all respect including connections as required.	No	200	3500	700000
291	b)	As above but point to point wiring with 3 x 1.5 mm2	No	500	2500	1250000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
292	c)	As items no 1(a) but 3x4sqmm copper PVC from DB to first socket outlet .	No	150	4000	600000
293	d)	As above but from socket to socket with 3x 4mm² .	No	400	2000	800000
294	e)	As items no 1(a) but 3x6sqmm copper PVC from DB to AC socket outlet .	Mtr	3000	750	2250000
295	f)	As above but from socket to outdoor unit with 3x 4mm² including switch off box (32amp breaker)	No	120	3000	360000
296	g)	supply and installation 30A DP switch outlet on steel box for AC,S	No	80	3000	240000
297	2	Cables				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
298		Supply, installation, Testing & Commissioning of cables of given sizes of Pakistan cables or equivalent, approved in PVC conduits/ pipe of appropriate size as approved by engineer inchagre.				
299	a)	1cx 70mm2 Copper Pvc/Pvc cable	RM	100	1800	180000
300	b)	1cx 16mm2 Copper Pvc(Ecc) cable	RM	150	553	82950
301	c)	4cx 16mm2 Copper Pvc/Pvc cable	RM	50	1600	80000
302	d)	4cx 10mm2 Copper Pvc cable	RM	100	1400	140000
303	e)	4cx 35mm2 Copper Pvc/Pvc cable	RM	150	5000	750000
304	f)	4Cx 185mm2 copper. Pvc/Pvc cable	RM	130	24000	3120000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
305	h)	4Cx 95mm² Copper. Pvc/Pvc	RM	120	12000	1440000
306	i)	4Cx 70mm² Copper. Pvc/Pvc	RM	80	9000	720000
307	3	ACCESSORIES (swith & socket)				
308		Supply &installation testing & commissioning of switches & sockets of Legrand or equivalent as per maufecturer's list as approved of following discription.				
309		SWITCHES				
310	a)	1 gang one way with steel back box	No	33	1500	49500
311	b)	2 gang one way with steel back box	No	50	1600	80000
312	c)	3 gang one way with steel back box	No	76	1800	136800

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
313	d)	4 gang one way with steel back box	No	12	1800	21600
314	e)	5 gang one way with steel back box	No	30	1900	57000
315	f)	6 gang one way with steel back box	No	80	1970	157600
316	g)	1 gang Two way with steel back box	No	28	1300	36400
317	h)	2 gang Two way with steel back box	No	26	1700	44200
318	i)	Fan Dimmer with steel back box	No	200	2200	440000
319		SOCKETS				
320	j)	13 A socket with steel back box	No	250	1800	450000
321	k)	15 A switch socket with steel back box	No	50	1800	90000
322	4	PVC CONDUIT/DUCT				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
323	a)	Supply andfixing 25mm dia pvc conduit with bend ,socket, etc as required	Rft	2000	30	60000
324	b)	Supply andfixing 50mm dia pvc conduit with bend ,socket, etc as required	Rft	2000	60	120000
325	c)	Supply andfixing 40X40mm PVC duct as required	Rft	1500	180	270000
326	5	CABLE TRAY				
327	a)	supply and installation of 16 SWG 18"X3" G.I perforated cable tray with cover suitable hangers, anchor bolts	Rft.	400	950	380000
328	b)	supply and installation of 16 SWG 12"X3" G.I perforated cable tray with cover suitable hangers, anchor bolts	Rft.	300	750	225000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
329	c)	supply and installation of 16 SWG 6"X3" G.I perforated cable tray with cover suitable hangers, anchor bolts	Rft.	300	500	150000
330	6	LIGHT FIXTURES				
331	a)	Supply and installation of Out door type 20w LED IP66 light fixture of Philips/FT/Sunlight	No	29	2200	63800
332	b)	Supply and installation of 7W LED light fixture	No	50	1200	60000
333	c)	Supply and installation of 18W LED recessed light fixture of philips/FT/sunlight	No	120	1800	216000
334	d)	Supply and installation of 40W LED 4 feet Surface mounted light fixture of philips/FT/sunlight		200	1800	360000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
335	e)	supply and installation of 2'x2' LED panel light fixture of philips/ft/sunlight 36w recessed type	No	150	7500	1125000
336	f)	As above but Flood light 200W LED, IP 66.	No	9	22000	198000
337	7	Fans				
338	a)	Supply & installation of 56" ceiling fan with fan box as required (lahore fan).	No	220	9000	1980000
339	b)	supply and inatalation of 18" Wall Bracket fan of Pak fan,	No	16	6000	96000
340	c)	supply and installation of metal boady 12" Dia Exhaust Fan (lahore fan)	No	25	8000	200000
341	d)	supply and installation of fan rod 2'.6" as approved by engineer	No	220	550	121000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
342	8	LV PANEL, DISTRIBUTION BOARDS				
343	a)	Supply & Installation, testing & commissioning of Main LV Panel , made of 16 SWG and angular frame, ICI red oxide painted for rust protection then powder coated in furnace of approved colour with voltmeter & ammeter, energy analyzer selector switches R.Y.B indicators, wires PVC duct, imported copper bus bar etc. complete in all respect. Main LT panel incoming - 800amps MCCB TP adj 2no,s out going - as approved by engineer	No	1	1200000	1200000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
344	b)	Supply & Installation, testing & commissioning of LT Panel , made of 16 SWG and angular frame, ICI red oxide painted for rust protection then powder coated in furnace of approved colour with voltmeter & ammeter, energy analyzer selector switches R.Y.B indicators, wires PVC duct, imported copper bus bar etc. complete in all respect. incoming - 800amps MCCB TP 1no,s out going - 200 amps TP MCCB adj 4 no,s 100 amps TP MCCB adj 2 no,s	No	1	800000	800000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
345	c)	Supply & Installation, testing & commissioning of ELT Panel , made of 16 SWG and angular frame, ICI red oxide painted for rust protection then powder coated in furnace of approved colour with voltmeter & ammeter, energy analyzer selector switches R.Y.B indicators, wires PVC duct, imported copper bus bar etc. complete in all respect. incoming - 400amps MCCB TP 1no,s out going - 63 amps TP MCCB 8 no,s 40 amps TP MCCB 4 no,s 1	No	1	700000	700000
346	d)	Same as above but ATS Panel for 200 kva genset with MOR as approved by engineer	No	1	1200000	1200000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
347	e)	Same as above but PFI Panel for 250 kvar as approved by engineer	No	1	300000	300000
348	f)	As above but D.B L/P incoming 63 amps MCCB TP outgoing 20 amps mcb 3no,s 16 amps mcb 6 no,s 10 amps mcb 10 no,s	No	5	200000	1000000
349	g)	As above but D.B AC,S incoming 200 amps MCCB TP outgoing 32 amps mcb 12no,s 20 amps mcb 9 no,s	No	5	190000	950000
350		As above but D.B LAB incoming 40 amps MCCB TP outgoing 16 amps mcb 12 no,s	No	4	190000	760000
351	h)	As above but UPS DB incoming 40 amps MCCB TP outgoing 16 amps mcb 12 no,s	No	2	190000	380000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
352	i)	As above but D.B LIFT incoming 100 amps MCCB TP	No	1	70000	70000
353	9	FIRE Alarm Addressable System				
354	a)	Supply and installation of smoke detector Eaton Cooper Menvier U.K intelligent Addressable equivalent complete with Base.	No	150	2700	405000
355	b)	Supply and installation of heat detector Eaton Cooper Menvier U.K intelligent Addressable equivalent complete with Base.	No	10	2700	27000
356	c)	Supply and installation of call point Eaton Cooper Menvier U.K intelligent Addressable equivalent complete with Base.	No	12	6000	72000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
357	d)	Supply and installation of sounder Eaton Cooper Menvier U.K intelligent Addressable equivalent complete with Base.	No	12	6000	72000
358	e)	supply and laying of 2x 1. 5 mm2 PVC insulated Cable with screen & drain wire of 2MKablo Turkey (1 hour fire resistant)or equivalent as per maufecturer's list, appropriate size of pvc conduit, concealed in Wall or Floor/run over trunking /cable tray as required as per situation of site as required and approved	Rft	3000	130	390000
359	f)	Main fire alarm panel 2 loop addressable type with all necessary indications & functions Cooper UK ,as approved by engineer	No	1	550000	550000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
360	10	EARTHING SYSTEM				
361	a)	Supply & laying of 1Cx70mm² copper (bare)	RM	200	3000	600000
362	b)	Supply, installation, testing of 25x3mm copper strip fixed on roof top	Rm	200	2500	500000
363	c)	supply and installation of earth electrod 3ft long	No	3	6000	18000
364	d)	Earth Connecting Point (copper) 300x50x10mm	No	8	4000	32000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
365	e)	Pure copper rod 2 no’s 20mm dia 10 ft long for each pit and 30 ft deep and 6 inch dia earthing bore including 2inch dia upvc pipe and 1.5 ft x 1.5 ftx1ft Earthing pits with complete fitting including heavy duty cast iron covers , complete fitting in all aspects Along with testing of Earthing system as per Standards	No	10	170000	1700000
366	11	External Electrical Work				
367	a)	Excavation making of 2 1/2'x 4' trench provision of 8" thick sand bed, laying of RCC pipes 1" dia laying back filling, complete ai all respect.	Rm	300	30	9000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
368	b)	supply and laying of 15 KV HT Cable 3x70mmsq xlpe copper armoured (pakistan cable) as approved by engineer factory test required of cable	Rm	300	12000	3600000
369	c)	Termination kit for HT cable	No	2	60000	120000
370	d)	cable pulling pit 6x6x5 made of RCC 1;2;4 and RCC cover with MS angle frame for pulling of cable including all accessores as per instruction of engieer	No	3	55000	165000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
371	e)	Supply and installation of 400KVA step down /seal type (PEL OR equivalent) wapda approved standard transformer pad mounted with Main breaker 800amps and 2 no’s 300 amp breakers including foundation and all civil work complete in all respect as approved by engineer	No	1	3800000	3800000
372	f)	supply and installation of 100 kva generator with weather proof/ sound proof canopy built in fuel tank and havey duty MS additional feul tank 500 litres Imported (cater pillar),(cummins power) or euivalent as approved by engineer	No	1	6000000	6000000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
373	g)	supply and installation of 11kv HT panel 630 amps type tested triple pole vaccum circuit breaker ABB (VD4) Digital protection relay micom 123 (schneider) ct ratio 50/5 as per wapda standerd as approved by engineer.	No	1	3000000	3000000
374	h)	Rerouting of existing 4x35mmsq cable including laying termination as per site requirment.	Mtr	120	40	4800
375		Air Conditioning				
376		SINGLE SPLIT WALL MOUNTED TYPE UNITS				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
377	1	Supply and installation of DC inverter wall mounted air conditioning units. The air conditioning units shell be complete with indoor and outdoor unit T3 compressor R 410 A refrigerant power supply 220/1 phase /50hz including angle iron stand or brackets (Midea or equivalent) complete in all respect as approved by engineer				
378	a)	1 Ton	Nos	3	120000	360000
379	b)	1.5 Ton	Nos	5	160000	800000
380	c)	2 TON	Nos	60	210000	12600000
381	d)	2 Ton Ceiling cassette type	Nos	10	270000	2700000
382	e)	2 Ton floor standing type	Nos	5	310000	1550000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
383	2	Supply and laying of copper pipe minimum 22 gauge including insulation and pvc Duct with indoor to outdoor unit shell be complete in all respect as per approved by engineer (golden dragon, muller)				
384	a)	1/2"	RFT	2000	40	80000
385	c)	3/8"	RFT	4000	30	120000
386	d)	5/8"	RFT	2500	50	125000
387	3	Supply & Installation of UPVC Drain Pipes (including elbows. Tees, sockets) (AGM Sch-40)				
388	a)	1.0"	RFT	5000	160	800000
389	4	Supply and laying of control cable 4x2.5mmsq pvc copper as per approved by engineer(Pakistan cable)	RFT	5000	230	1150000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
390	6	Supply and laying of 3x4mmsq pvc copper wire from DB to AC switch including pvc pipe as per approved by engineer(Pakistan cable)	RFT	9000	360	3240000
391		Supply and laying of 3x4mmsq pvc copper wire from AC switch to indoor unit including pvc pipe as per approved by engineer(Pakistan cable)	RFT	3000	360	1080000
392	7	4Cx 150mm2 copper. Pvc/Pvc cable	RM	120	22000	2640000
393	8	Extra refigerent gas as per requirment	job	1	150000	150000
394	9	Out Door Compressor Angle Iron Support frame				
395	a)	supply and insttallation of out door heavy duty Angle iron fram as approved by engineer	Nos	80	1000	80000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
396		IT works				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
397	1	Network Cabling Points : Providing, installing, testing and commissioning of Network & telecommunication RJ45 outlet points from the relevant floor distributor cabinet using CAT-6, 23 AWG, UTP, 1 Gbps supported cable, including suitable concealed or surface-mounted PVC conduits or PVC trunking/channel as per building requirement with concelled back boxes with termination accessories, cable dressing, labeling, cutting and making holes in walls complete in all respects.All Cables should be Fluke Tested, Documented, Dressed up with tags in Racks, and ready to use	No.	171	15000	2565000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
398	2	Faceplates : Supply, installation, testing and commissioning of simplex faceplate with one RJ-45 I/O CAT-6 UTP telecommunication outlet, including a 16 SWG sheet steel back box finished with powder-coated paint, RJ-45 CAT-6 UTP jack, mounting frame, screws, and all necessary fixing and mounting accessories, complete in all respects. Brannds - Corning, Schneider	No.	75	2200	165000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
399	3	Patch Panels : Supply, installation, testing and commissioning of 24-port CAT-6 U/UTP, 1G supported modular RJ-45 loaded patch panel,(Only for Data Cabling) compatible with a 42-inch rack, installed in a floor-mounted or wall-mounted Network cabinet, complete with built-in rear cable management, cable termination facilities, labeling, mounting brackets, screws, and all necessary installation accessories, complete in all respects.	No.	3	8000	24000
400	4	Cable Managers -24 Port - Rack Mout - Corning or equal with instlalation	No.	9	5000	45000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
401	5	Patch Cords : Following type CAT-6, 23AWG UTP Giga Speed patch cord with required connector at both ends: Corning or better				
402	6	1 metre (3 ft.) long (Rack Side)	No.	65	1000	65000
403	7	3 metre (10 ft.) long (User Side)	No.	65	1500	97500

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
404	8	42 U Rack : Supply, installation, testing and commissioning of an A+ Quality 42U server rack, with dimensions of 800 mm (W) × 1000 mm (D), suitable for housing telecommunications and networking equipment, complete with front and rear access doors, removable side panels, vertical mounting rails, ventilation provisions, cable entry facilities, earthing arrangements, adjustable levelling feet, castors, and all necessary mounting hardware and accessories, complete in all respects	No.	2	150000	300000

PUBLIC PROCUREMENT REGULATORY AUTHORITY PPRA EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
405	9	Cable Tray : Supply, installation, and fixing of 6-inch × 2-inch GI sheet steel cable Tray with tight covers, fabricated from 16 SWG galvanized iron sheet, complete with removable covers, joints, bends, tees, reducers, mounting brackets, hangers, supports, fixing hardware, and all necessary accessories for proper cable routing and protection, including cutting, fitting, alignment, and secure installation, complete in all respects.	Rft.	900	480	432000

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
406	10	Optical Fiber with Laying installation : Laying of optical Fiber Cable from Existing Admin Block to Newly constructed Block with 24 Core Optical Fiber Cable Single Mode, of known brands of PTCL, Corning etc including laying termination on both ends with all required accessories complete in all respect. The Fiber should be tested through Latest OTDR and report submitted to AU Team	Mtr	500	200	100000
407	11	Rack Mouse ODF -24 Ports Well known Brands like Corning, Schneider etc. Fully loaded with pigtails, splicing etc . Installation with splicing and complete in all respect.	No.	2	25000	50000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
408	12	Patch Cords - Optical Fiber - 03 Meter - Single Mode	No.	30	2500	75000
409	13	Civil Work : Digging and Laying of 4" Class B uPVC Pipe in depth of 3 Feet from the surface, Digging, laying pipe, back fill, compaction, leveling complete in all respect. AGM	Rft	1600	1214	1942400
410	14	Same as above but 6" dia	Rft	220	680	149600
411	15	Making of Main holes 2'x2'x3' clear size &/ depth with brick masonry 9" thick 1:4CM, Plaster 1:4, PCC at bottom 1:2:4 4" thick, with cast iron covers 2' x 2' heave duty (Alpine) with frame complete in all respects and as directed by engineer incharge	No	3	50000	150000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
412		Networking in Computer Labs				
413	1	Wiring of Network Cable in Computer labs in concelled pipes. RJ-45 connectors on both ends of Cable. Cable should be Cat-VI 23AWG of well known Brands like Corning, Schneider or equvilent. All Cables should be properly tested through latest Fluke Tester, documentation fo cables, tagging and dressed up in Rack properly. including 1.5" dia pvc conduit (beta)	No.	208	800	166400
414	2	Data Racks - 9U for computer Labs. A+ Quality with installation.	No.	4	20000	80000
415		LIFT				

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
416	1	ELEVATOR				

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
417		Supply, installation, testing, and commissioning of new passenger Elevator Machine Room less Type fully complied and certified by EN/BS/American Standard and for public use in buildings of minimum features including VVVF, high efficiency motor, complete stainless steel finish, for ambient condition of 50 °C, capacity of 800 Kg, speed 1.0 m/s, 4stops/4openings,entrance 900mm. Lift (completely imported) shall minimum includes car, hoisting machinery, counter-weight, supports, brackets, automatic controls, embedded parts, access ladder, separator screen & trap door, electric overload, shaft lightening, intercom	No.	1	14000000	14000000

Sr. No	Ref. No.	Description	Unit	Qty	Rate	Amount
418		*NOTE:				
419		1. Approved Brand ,Schindler (china) or equivalent 2. Rate qouted should include Tool Kit, Spare parts and Operation & Maintanainance (24 hours x7 days manned by technical person) for 12 Month 3. Must have maintenance office in Rawalpindi / Islamabad 4. Third party inspection requird after installation of lift and also material inspection 5. complete import documents/certificate to be provided from orignal manufacturer.				
					GRAND TOTAL:	Rs387,985,157.00

Scope of Work

Construction of Library and Classroom Block at AU H-11 Campus, Complete scope of work is described in Attached BoQ

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Price Schedule

For Individual Jobs

#	Job Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

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EPADS

General Conditions of Contract

A. General

1. **Definitions**

1.1. Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

1.1.1. “Applicable Law” means the laws and any other instruments having the force of law in the Government’s Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;

1.1.2. “The Contract” means an agreement enforceable by law;

1.1.3. “The Contract Price” means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations;

1.1.4. “The Services” means the work to be performed by the Contractor pursuant to this Contract and as prescribed in the Specifications and Schedule of Activities included in the Contractor’s Bid;

1.1.5. “Ancillary Services” means those services ancillary to the provision of Services, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Contractor covered under the Contract;

1.1.6. “GCC” means the General Conditions of Contract contained in this section;

1.1.7. “SCC” means the Special Conditions of Contract by which the GCC may be amended or supplemented;

1.1.8. **“**Day” means calendar day unless indicated otherwise;

1.1.9. “Effective Date” means the date on which this Contract comes into force and effect;

1.1.10. “The Contractor” means the individual or corporate body whose Bids to provide the Services has been accepted by the Procuring Agency;

1.1.11. “The Project Site,” where applicable, means the place or places named in Bid Data Sheet and technical Specifications;

1.1.12. “Government” means the Government of Pakistan;

1.1.13. “Local Currency” means the currency of Pakistan;

1.1.14. “In Writing” means communicated in written form with proof of receipt;

1.1.15. “Completion Date” means the date of completion of the Services by the Contractor as certified by the Procuring Agency;

1.1.16. “Foreign Currency” means any currency other than the currency of the country of the Procuring Agency;

1.1.17. “Party” means the Procuring Agency or the Contractor, as the case may be, and “Parties” means both of them;

1.1.18. "Service" means any object of procurement other than goods or works;

1.1.19. “Subcontractor” means any entity to which the Bidder subcontracts any part of the Services.

2. **Applicable Law**

2.1. The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

3. **Language**

3.1. The Contract as well as all correspondence and documents relating to the Contract exchanged between the Contractorand the Procuring Agency, shall be written in the **English language** unless otherwise stated in the **SCC** . Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

4. **Notices**

4.1. Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the **SCC**.

5. **Location**

5.1. The Services shall be performed at such locations as the Procuring Agency may approve and as specified in **SCC.**

5.2. A {DOCUMENTS}

6. **Authorized Representatives / Authority of Member in charge**

6.1. Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Contractor may be taken or executed by the officials specified in the **SCC**.

B. Commencement, Completion, Modification, and Termination of Contract

7. **Effectiveness of Contract**

7.1. This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the **SCC.**

8. **Commencement of Services**

8.1. The Contractor shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the **SCC.**

9. **Program schedule**

9.1. Before commencement of the Services, the Contractor shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

10. **Starting Date/Expiration Date**

10.1. The Contractor shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the **SCC.**

10.2. Unless terminated earlier pursuant to Clause **GCC 14** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the **SCC.**

11. **Entire Agreement**

11.1. This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

12. **Modification**

12.1. Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any modification(s) or variation(s) made by the other Party.

12.2. In cases of any modification(s) or variation(s), the prior written consent of the Procuring Agency is required.

13. **Force Majeure**

13.1. **Definition**
For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Contractor and which makes a Contractor’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

13.2. **No Breach of Contract**
The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative

measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

13.3. **Extension of Time**
Any period within which a Contractor shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

13.4. **Payments**
During the period of their inability to perform the Services as a result of an event of Force Majeure, the Contractor shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

14. **Termination**

14.1. **By the Procuring Agency**
The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Contractor in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

14.1.1. If the Contractor fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;

14.1.2. If the Contractor becomes (or, if the Contractor consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;

14.1.3. If the Contractor fails to comply with any final decision reached as a result of arbitration proceedings;

14.1.4. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

14.1.5. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

14.2. **By the Contractor**
The Contractor may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

14.2.1. If the Procuring Agency fails to pay any money due to the Contractor pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Contractor that such payment is overdue;

14.2.2. If, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;

14.2.3. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration;

14.2.4. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Contractor's notice specifying such breach.

C. Obligations of the Contractor

15. **General**

15.1. **Standard of Performance**

15.1.1. The Contractor shall perform the Services and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Contractor shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties;

15.1.2. The Contractor shall employ and provide such qualified and experienced Experts and Sub-Contractors as are required to carry out the Services.

15.2. **Law Applicable to Services**

The Contractor shall perform the Services in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

16. **Conflict of Interests**

16.1. **Contractor Not to Benefit from Commissions and Discounts**

The remuneration of the Contractor shall constitute the Contractor's sole remuneration in connection with this Contract or the Services, and the Contractor shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Contractor shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

16.2. **Contractor and Affiliates Not to be Otherwise Interested in Project**

The Contractor agree that, during the term of this Contract and after its termination, the Contractor and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

16.3. **Prohibition of Conflicting Activities**
Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

16.3.1. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;

16.3.2. during the term of this Contract, neither the Contractor nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

16.3.3. after the termination of this Contract, such other activities as may be specified in the **SCC.**

17. **Insurance to be Taken Out by the Contractor**

17.1. The Contractor(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Sub-contractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, and for the coverage, as shall be specified in the **SCC**; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums have been paid.

18. **Contractor's Actions Requiring Procuring Agency's Prior Approval**

18.1. The Contractor shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

18.1.1. appointing such members of the Personnel not provided by the Contractor;

18.1.2. changing the Program of activities; and

18.1.3. any other action that may be specified in the **SCC.**

19. **Reporting Obligations**

19.1. The Contractor shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

20. **Liquidated Damages**

20.1. **Payments of Liquidated Damages**
The Contractor shall pay liquidated damages to the Procuring Agency at the rate per day stated in the **SCC** for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the **SCC**. The Procuring Agency may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

20.2. **Correction for Over-payment**
If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The

Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in **SCC.**

20.3. **Lack of performance penalty**
If the Contractor has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Contractor. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the Contractor

21. **Performance Guarantee**

21.1. Within the time stipulated in the acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape and amount **specified in SCC.**

21.2. The proceeds of the Performance Guarantee shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

21.3. The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in **SCC**.

21.4. The Performance Guarantee will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC.**

22. **Sustainable Procurement**

22.1. The Contractor shall conform to the sustainable procurement contractual provisions, if and as specified in the **SCC.**

D. Contractor's Personnel

23. **Description of Personnel**

23.1. The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Contractor's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

24. **Removal and / or Replacement of Personnel**

24.1. Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Contractor, it becomes necessary to replace any of the Key Personnel, the Contractor shall provide as a replacement a person of equivalent or better qualifications.

24.2. If the Procuring Agency finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Contractor shall, at the Procuring Agency's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Agency.

24.3. The Contractor shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Procuring Agency

25. **Change in the Applicable Law**

25.1. If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the Services rendered by the Contractor, then the remuneration and reimbursable expenses otherwise payable to the Contractor under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the **SCC.**

26. **Services and Facilities**

26.1. The Procuring Agency shall make available to the Contractor and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described in the Terms of Reference, at the times and in the manner specified in the Terms of Reference.

26.2. In case that such services, facilities and property shall not be made available to the Contractor, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Contractor for the performance of the Services, (ii) the manner in which the Contractor shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Contractor as a result thereof.

F. Payments to the Contractor

27. **Contract Price**

27.1. The price payable shall be in Pakistani Rupees unless otherwise specified in the **SCC**.

28. **Terms and Conditions of Payment**

28.1. Payments will be made to the Contractor according to the payment schedule stated in the **SCC** and as per actual invoice submitted by the Contractor.

28.2. Unless otherwise stated in the **SCC**, the advance payment shall be made against the provision by the Contractor of a bank guarantee for the same amount, and shall be valid for the period stated in the **SCC.** Any other payment shall be made after the conditions listed in the **SCC** for such payment have been met, and the Contractor have submitted an invoice to the Procuring Agency specifying the amount due.

29. **Quality Control Identifying Defects**

29.1. The principle and modalities of Inspection of the Services by the Procuring Agency shall be as indicated in the **SCC.** The Procuring Agency shall check the Contractor’s performance and notify him of any Defects that are

found. Such checking shall not affect the Contractor's responsibilities. The Procuring Agency may instruct the Contractor to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the **SCC**.

29.2. A {INSPECTION}

30. **Correction of Defects, and Lack of Performance Penalty**

30.1. The Procuring Agency shall give notice to the contractor of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

30.2. Every time notice a Defect is given; the contractor shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

30.3. If the contractor has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the contractor will pay this amount, and a Penalty for Lack of Performance.

31. **Settlement of Disputes Amicable Settlement**

31.1. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

32. **Dispute Settlement**

32.1. **Arbitration**

If any dispute of any kind whatsoever shall arise between the procuring agency and the contractor in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the contract, the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference even after negotiations or mediation, then the dispute shall be referred within fourteen (14) days in writing by either party to the Arbitrator, with a copy to the other party.

Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with **GCC sub-clause 32.1**, shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion of the Contract. Arbitration proceedings shall be conducted in accordance with Arbitration Act 1940. Notwithstanding any reference to arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless otherwise agreed. The Procuring Agency shall continue to pay the Contractor any undisputed amounts due under the Contract during the resolution of any dispute.

Special Conditions of Contract

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract

Number of GC Clause 1

Definitions

The Procuring Agency is: Air University -P&D Department (Air University), Assistant Director PAF Complex Sector E-9, Islamabad Capital Territory

The Supplier is:

The title of the subject procurement is: Construction of Library and Classroom Block at H-11 Campus

Number of GC Clause 2

Applicable/Governing Law:

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 3

Language:

The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in **English.**

Number of GC Clause 4

Notices:

The addresses for the notices are:

Procuring Agency:

Air University -P&D Department (Air University), Assistant Director
PAF Complex Sector E-9, Islamabad Capital Territory
+92-300-530-0386
ali.siddiqui@au.edu.pk

Contractor/ Bidder:

[Name, address and telephone number]

The Contractor/ Bidder’s Representative(s)

[Name, address, telephone number and e-mail address]

Number of GC Clause 6.1

The Authorized Representatives are:

For the Procuring Agency:

Air University -P&D Department (Air University), Assistant Director
PAF Complex Sector E-9, Islamabad Capital Territory
+92-300-530-0386
ali.siddiqui@au.edu.pk

For the Bidder:

Name: ……

Designation: ……..

Address: ……..

Number of GC Clause 7

Effectiveness of the contract

The Contractor/Bidder shall be effective within ….. days from the date of signature of the Contract by both parties

Number of GC Clause 8

Commencement of Contract:

The Contractor/Bidder shall provide Non-Consultancy Services from the effective date of contract.

Number of GC Clause 10.2

Expiration of Contract:

The time period shall be ……

Number of GC Clause 14

Termination

In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.

Number of GC Clause 16

Conflict of Interest:

The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17.

Number of GC Clause 20

Liquidated Damages

If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of **0.01%** to **10.00%** of the Contract value, in accordance with the extent of performance failure & the cost of investigating such incidents as judged by the Authority.

Number of GC Clause 21

Performance Guarantee:

The amount of performance guarantee shall be **10.00%** of the contract price in acceptable form of **Pay Order, Banker's Cheque, Call at Deposit, Bank Guarantee, Demand Draft**

Number of GC Clause 27

Currency of Payment:

All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.

Number of GC Clause 28

Payment terms:

Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.

Number of GC Clause 29

Identifying Defects:

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

Inspections & Tests Requirements

For being Brand New, bearing relevant reference numbers of the equipment (Certificate from supplier)

For Physical Fitness having No Damages (Certificate from supplier)

For the Country of Origin as quoted by the Supplier (Certificate from manufacturer)

For conformance to specifications and performance parameters, through Prior to delivery inspection (Inspection Report by Procurement Committee / Inspection Team)

For successful operation at site after complete installation, testing and commissioning of the equipment (Installation, Testing and Commissioning Report by Procurement Committee / Inspection Team)

Delivery & Documents

Copies of the Supplier’s invoice showing Goods’ description, quantity, unit price, and total amount;

Original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;

Copies of the packing list identifying contents of each package;

Insurance Certificate;

Manufacturer's or Supplier's Valid Warranty Certificate;

Inspection Certificate issued by the Nominated Inspection Agency (if any), and the Supplier's Factory Inspection Report;

Certificate of Origin.

The above documents would be required even if the equipment has already been imported and is available with the supplier ex-stock

Number of GC Clause 31

Following is the guidance for Dispute Resolution

i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract... (full clause unchanged)

ii. At future of negotiation the dispute shall be resolved through mediation...

iii. At failure of mediation, arbitration under Arbitration Act 1940...

iv. Cost sharing equally...

v. Proceedings may commence before/after completion...

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder shall be referred to arbitration under the laws of Pakistan including Arbitration Act 1940.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place shall be Islamabad. The award shall be final and binding.

Bid Securing Declaration

Form 9: Bid Securing Declaration

Date: *[insert date (as day, month and year)]*

Bid No.:***P183681***

To: **Air University -P&D Department (Air University), Assistant Director PAF Complex Sector E-9, Islamabad Capital Territory**

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;

2. Disagreement to arithmetical correction made to the Bid price; or

3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.

Contract Form

SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the _____ day of _____ 20_____ between **Air University -P&D Department (Air University), Assistant Director PAF Complex Sector E-9, Islamabad Capital Territory**

(hereinafter called "the Procuring Agency") of the one part and *[name of Bidder]* of *[city and country of Bidder]* (hereinafter called "the Bidder") of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **Construction of Library and Classroom Block at H-11 Campus (*P183681*)** and has accepted a Bids by the Bidder for the provision of Goods in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency's Letter of Acceptance; and
8. [*add here: any other documents*]

3. In consideration of the payments to be made by the Procuring Agency to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Procuring Agency to provide the Goods related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Bidder in consideration of the provision of Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____the _____ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

……

Signed, sealed, delivered by _____the _____ (for the Procuring Agency)

Witness to the signatures of the Bidder: ……

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BYTHE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: Contract Value: Contract Title:

Dated:

[Name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Performance Guarantee Form

Performance Guarantee Form

To: **Air University -P&D Department (Air University), Assistant Director PAF Complex Sector E-9, Islamabad Capital Territory**

WHEREAS *[name of Bidder]* (hereinafter called "the Bidder") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods*(*hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Bidder shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Bidder's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Bidders guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date}

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Annexure

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Standard Bidding Documents

Information (Read-Only)

See Form Under Additional Forms and Documents: **Standard Bidding Documents** (page number: 213)

Approved Manufacturer LIst

Information (Read-Only)

See Form Under Additional Forms and Documents: **Approved Manufacturer LIst** (page number: 302)

Tender Drawings - Architecture

Tender Drawings - Not for Construction - working drawings will be issued to the winning bidder

Information (Read-Only)

Tender Drawing - Plumbing

Tender Drawings - Not for Construction - working drawings will be issued to the winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawing - Plumbing** (page number: 308)

Tender Drawing - Water Supply

Tender Drawings - Not for Construction - working drawings will be issued to the winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawing - Water Supply** (page number: 316)

Tender Drawing - Fire Fighting

Tender Drawings - Not for Construction - working drawings will be issued to the winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawing - Fire Fighting** (page number: 324)

Tender Drawings - Fire Alarm

Tender Drawings - Not for Construction - working drawings will be issued to the winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawings - Fire Alarm** (page number: 332)

Tender Drawings - HVAC

Tender Drawings - Not for Construction - working drawings will be issued to the winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawings - HVAC** (page number: 338)

Tender Drawings - IT A

Tender Drawings - Not for Construction - working drawings will be issued to the winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawings - IT A** (page number: 345)

Tender Drawing - IT B

Tender Drawings - Not for Construction - working drawings will be issued to the winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawing - IT B** (page number: 351)

Tender Drawings - Electrical

Tender drawings - not for construction - Working drawings will be issued to winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawings - Electrical** (page number: 358)

Tender Drawings - Structure

Tender Drawings - Not For Construction - Working Drawings will be provided to winning bidder

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender Drawings - Structure** (page number: 374)

Procurement Forms

Past Construction Experiences

See Form Under Additional Forms and Documents: **Past Construction Experiences** (page number: 402)

Contractor's Key Personnel Representative and Their Schedules

See Form Under Additional Forms and Documents: **Contractor's Key Personnel Representative and Their Schedules** (page number: 408)

Financial Resources

See Form Under Additional Forms and Documents: **Financial Resources** (page number: 412)

Past Experience and Completed Contracts

See Form Under Additional Forms and Documents: **Past Experience and Completed Contracts** (page number: 413)

Historical Contract Non-Performance, and Pending Litigation and Litigation History

See Form Under Additional Forms and Documents: **Historical Contract Non-Performance, and Pending Litigation and Litigation History** (page number: 414)

Current Contracts and Their Progress

See Form Under Additional Forms and Documents: **Current Contracts and Their Progress** (page number: 416)

Financial Capacity and Net Worth Evaluation Form

See Form Under Additional Forms and Documents: **Financial Capacity and Net Worth Evaluation Form** (page number: 417)

Average Annual Turnover

See Form Under Additional Forms and Documents: **Average Annual Turnover** (page number: 419)

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

PUBLIC PROCUREMENT REGULATORY AUTHORITY
(PPRA)
EPADS

Additional Forms and Documents



REQUEST FOR PROPOSAL
FOR

CONSURCTION OF LIBRARY AND CLASS ROOMS BLOCK AT AIR UNIVERSITY H-11 CAMPUS ISLAMABAD

Volume - I

November, 2026

NATIONAL STANDARD BIDDING DOCUMENTS FOR PROCUREMENT OF WORKS (CIVIL WORKS)

(Single Stage Two Envelop Procedure)

(National and International Competitive Bidding)

Public Procurement Regulatory Authority

Pakistan

Approved by PPRA Board in its 76th Meeting held on 13th March, 2024

ACKNOWLEDGEMENT

The Authority acknowledge the contribution of following officers of the Authority for development and finalization of these document:

i. Dr. Asim J. Abro, Director (M&E), PPRA

ii. Mr. Muhammad Ibrahim R. Khan, Deputy Director (M&E), PPRA

iii. Engr. Muhammad Saleh Izhar, Deputy Director (M&E), PPRA

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

PART-A

BIDDING PROCEDURE & REQUIREMENTS

SECTION I: INVITATION FOR BIDS

AIR UNIVERSITY

Bid No. IBD/AU/P&D/04/2026

For

CONSTRUCTION OF LIBRARY AND CLASS ROOMS BLOCK AT AIR UNIVERSITY H-11, CAMPUS ISLAMABAD.

Invitation For Bids

Date: ……..

1. This Invitation for Bids follows the Procurement Notice (PN) or Procurement Advertisement (PA) No. IBD/AU/P&D/04/2026 of for the subject Project/Procurement which appeared in newspapers vide dated *5th November, 2026* and on EPADS.
2
2. The Procuring agency/Employer has reserved the funds for the procurement planned during the financial year ***2026-27.*** It is intended that part of the proceeds of the funds will be used to cover eligible payment under the contract for the **Construction of Library and Class Rooms Block at Air University H-11, campus Islamabad**

3. Air University now invites electronic bids from eligible bidders **for construction of Library and Class Rooms Block at Air University H-11, campus Islamabad** preferably from Pakistan Based firms having **PEC Category C-3 and above.**

4. The bidding shall be conducted in line with the Single Stage Two Envelope procedure prescribed under Public Procurement Rules 2004, e-Pak Procurement Regulations, 2023 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority (from time to time), and is open to all potential bidders registered in the EPADS.

5. All bids must be accompanied by a Bid Security (in shape of Pay order/demand draft / Call Deposit Receipt / Bankers Cheque) for Rs. **7,759,703 (Seven Million Seven Hundred Fifty Nine Thousand Seven Hundred and Three Only).).**

Note :-

The Original Bid Security Receipt must be submitted at the time of the technical opening. Technical proposals that do not include the Original Bid Security will be rejected on the spot.

6. "The electronic bids prepared in accordance with the instructions prescribed in the electronic bidding documents must be submitted through EPADS, **and in physical form (Separately Sealed Technical & Financial proposals)** on or before **11:00 AM on 23th November, 2026**. Electronic & Physical bids will be opened by using EPADS on the same day at 11:30 AM (**Technical Only**). **This is an item rate / Measurement Based Contract .**

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SECTION II: INSTRUCTION TO BIDDERS (ITBs)

A. INTRODUCTION

1. Scope of Bid	1.1	The Procuring agency/Employer (PA), as indicated in the **Bid Data Sheet** (BDS) invites Bids for the execution of "**Construction of Library and Class rooms Block at Air University H-11, Campus Islamabad"**. as specified in the BDS and **Section V- Works Requirements**. The name, identification, and number of lots (contracts) of this National/ International Competitive Bidding process are specified in the BDS.
2. Source of Funds	2.1	Air University has arranged funds from its own resources.
3. Eligible Bidders	3.1	1. Tender is open to all Contractors/construction firms who have relevant **PEC category (C-3)** and above, previous experience of similar work and necessary expertise to undertake the stated works as mentioned above. Relevant additional conditions in this regard are given below: - a) Never been blacklisted by any Govt organization. Affidavit to this effect shall be furnished. b) Never involved in litigation with any agency/Govt Deptt (Affidavit to this effect shall be furnished). c) Financial bids of only the technically qualified bidders will be opened.
	3.2	(Not Applicable)
	3.3	(Not Applicable)
	3.4	(Not Applicable)
	3.5	The invitation for bids is open to all prospective bidders subject to any provisions of incorporation or licensing by the respective national/ international incorporating agency or statutory body established for that particular trade or business.
	3.6 .	(Not Applicable)
	3.7	A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidders may be considered to have a conflict of interest with one or more parties in this Bidding process, if they: a) are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring agency/Employer to provide consulting services for the

		preparation of design or technical specifications of the works that are the subject of the bid; or b) any of its affiliates has been hired (or is proposed to be hired) by the Procuring agency/Employer as Engineer for the Contract implementation; or c) The works to be executed are resulting from or directly related to consulting services for the preparation or implementation of the project that the bidder provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; d) have controlling shareholders in common; or e) receive or have received any direct or indirect subsidy from any of them; or f) have the same legal representative for purposes of this Bid; or g) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the Procuring agency/Employer regarding this Bidding process; or h) Submit more than one bid in this bidding process.
	3.8	A Bidder may be ineligible if – (a) he is declared bankrupt or, in the case of company or firm, insolvent; (b) payments in favor of the bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property; (c) legal proceedings are instituted against such bidder involving an order suspending payments and which may result, in accordance with the national laws, in a declaration of bankruptcy or in any other situation entailing the total or partial loss of the right to administer and dispose of the property; (d) the bidder is convicted, by a final judgment of a Court of Law or relevant Professional Statuary Body, of any

		offence involving professional conduct; (e) The bidder is debarred/ blacklisted by a national level Procuring agency/Employer and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of bid securing declaration. (f) The bidder is blacklisted or debarred by a foreign country, international organization, or other foreign institutions for the period defined by them.
	3.9	Bidders shall provide to the Procuring agency/Employer evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.
	3.10	Bidders shall provide such evidence of their continued eligibility to the satisfaction of the Procuring agency/Employer, as the Procuring agency/Employer shall reasonably request.
	3.11	Bidders shall submit proposal relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract is envisaged.
4. Eligible Material and Equipment	4.1	All the material and equipment to be mobilized under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such materials and equipment. For this purpose, ineligible countries are stated in section-IV titled as "Eligible Countries".
	4.2	For purposes of this Clause, "origin" means the place where the material, equipment is produced, manufactured, or processed, or through manufacture, procession, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components or the place from where the services are/to be supplied.
	4.3	The nationality of the bidder shall not determine the origin of the material and equipment.
	4.4	To establish the eligibility of the material and equipment, Bidders shall fill the country-of-origin declarations included in the Form of Bid.

5. One Bid per Bidder	5.1	A bidder shall submit only one bid, in the same bidding process, either individually as a bidder or as a member in a joint venture or any similar arrangement. Moreover, Joint Venture is not accepted due to the nature of the project.
	5.2	No bidder can be a sub-contractor while submitting a bid individually or as a member of a joint venture in the same bidding process.
6. Cost of Bidding	6.1	The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency/Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
B. BIDDING DOCUMENTS		
7. Contents of Bidding Documents	7.1	The scope of Works, bidding procedures, and terms and conditions of the contract are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents which should be read in conjunction with any addenda issued in accordance with **ITB 9.2** include: **Section I -**Invitation for Bids **Section II** Instructions to Bidders (ITBs) **Section III** Bid Data Sheet (BDS) **Section IV** Eligible Countries **Section V** Works Requirements Technical Specifications & Schedule of Requirements **Section VI** Standard Bidding Forms **Section VII** General Conditions of Contract (GCC) **Section VIII** Special Conditions of Contract (SCC) **Section IX** Contract Forms
	7.2	The number of copies to be completed and submitted with the Bid is specified in the **BDS.**
	7.3	The Procuring agency/Employer is not responsible for the completeness of the bidding documents and their addenda, if they were not obtained directly from the Procuring agency/Employer or the signed pdf version downloaded from the website of the Procuring agency/Employer or the Authority's website or e-Procurement System as the case may be. However, procuring agency/Employer shall place both the pdf and editable version of the same on its website and Authority's website or e-Procurement System to facilitate the bidder for filling the standard bidding forms.
	7.4	The bidder is expected to examine all instructions, forms,

		specifications, terms and conditions prescribed in the bidding documents. Failure to furnish all the information required in the bidding documents will be at the bidder's risk and may result in the rejection of his bid.
8. Clarification of Bidding Document, Pre-bid Meeting	8.1	A prospective bidder requiring any clarification of the bidding document may notify the Procuring agency/Employer in writing or in electronic form that provides record of the contents of communication at the Procuring agency/Employer's address indicated in the **BDS.**
	8.2	The Procuring agency/Employer will within three (3) working days after receiving the request for clarification, respond in writing or in electronic form to any request for clarification provided that such request is received not later than three (03) days prior to the deadline for the submission of Bids as prescribed in **ITB 24.1.** However, clarifications claims will not be acceptable withing last **05 days** of closing date of the Tender.
	8.3	Copies of the Procuring agency/Employer's response will be forwarded to all identified prospective bidders through an identified source of communication, including a description of the inquiry, but without specifying its source. In case of downloading of the bidding documents from the website of Procuring agency/Employer or e-Procurement System, the response of all such queries will also be available on the same platform available at the website.
	8.4	Should the Procuring agency/Employer deem it necessary to amend the bidding documents as a result of a clarification, it shall do so following the procedure as prescribed under **ITB 09.**
	8.5	If indicated **in the BDS**, the bidder's designated representative is invited at the bidder's cost to attend a pre-bid meeting (if required) at the place, date and time mentioned in the **BDS**. During this pre-bid meeting, prospective bidders may request clarification of the schedule of requirement, the evaluation criteria or any other aspects of the bidding documents.
	8.6	Minutes of the pre-bid meeting, if applicable, including the text of the questions asked by bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be transmitted promptly to all prospective bidders who

		have obtained the bidding documents. Any modification to the bidding documents that may become necessary as a result of the pre-bid meeting shall be made by the Procuring agency/Employer exclusively through the use of an Addendum pursuant to **ITB 9.** Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.
	8.7	The bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering a contract for construction of the Works. The costs of visiting the Site shall be at the bidder's own expense.
	8.8	The bidder and any of its authorized personnel will be granted permission by the Procuring agency/Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the bidder and its personnel will release and indemnify the Procuring agency/Employer from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
9. Amendment of Bidding Documents	9.1	Before the deadline for submission of bids, the Procuring agency/Employer for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder or pre-bid meeting may modify the bidding documents by issuing addenda.
	9.2	Any addendum issued including the notice of any extension of the deadline shall be part of the bidding documents pursuant to **ITB 7.1** and shall be communicated in a timely manner and on an equal opportunity basis. Where notification of such change, addition, modification or deletion becomes essential, such notification shall be made in a manner similar to the original advertisement. However, the contractor must accept the addendum. Provided that the bidder who had either already submitted their bid or handed over the bid to the courier prior to the issuance of any such addendum shall have the right to withdraw his already filed bid and submit the revised bid prior to the original or extended bid submission deadline.
	9.3	To give prospective bidders reasonable time in which to take

		an addendum/corrigendum into account in preparing their bids, the Procuring agency/Employer may, at its discretion, extend the deadline for the submission of bids: *Provided that the Procuring agency/Employer shall extend the deadline for submission of bid, if such an addendum is issued within last three (03) days of the bid submission deadline.*

C. PREPARATION OF BIDS

10. Language of Bid	10.1	The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and the Procuring agency/Employer shall be written in the English language unless specified in the B**DS.** Supporting documents and printed literature furnished by the bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless specified in the **BDS**, in which case, for purposes of interpretation of the bidder, the translation shall govern.
11. Documents Establishing Eligibility of Material, Equipment and Works, their Conformity to Bidding Documents	11.1	The bid prepared by the bidder shall constitute the following components: - a) Documentary evidence established in accordance with **ITB 11** that the material, equipment and services to be provided by the Bidder are eligible material, equipment and services, and conform to the Bidding Documents; b) Documentary evidence established in accordance with **ITB 12** that the bidder has been authorized to carry out the Construction works; c) Documentary evidence established in accordance with **ITB 12** that the bidder is eligible and/or qualified for the subject bidding process; d) Form of Bid and Bid Prices completed in accordance with **ITB 14 and 15;** **e)** Completed schedules as required, including priced Bill of Quantities in accordance with **ITB 13 & 15.** **f)** Technical Proposal completed in all aspects in accordance with **ITB-17**. g) Bid security or Bid Securing Declaration furnished in

		accordance with **ITB 19;** h) Alternative bids, if permissible, in accordance with **ITB 20;** i) Duly Notarized Power of Attorney authorizing the signatory of the Bidder to submit the bid**;** and j) Any other document required in the **BDS**.
	11.2	(Not Applicable)
	11.3	The bidder shall furnish, as part of its bid, all those documents establishing the eligibility in conformity to the terms and conditions specified in the bidding documents for all material, equipment and works which the bidder proposes to execute.
	11.4	The documentary evidence of conformity of the material, equipment and works to the Bidding Documents may be in the form of literature, drawings, and data, and shall consist of: a) a detailed description of the work methodology, approach, schedule and resources to be mobilized at site; b) an item-by-item commentary on the Procuring agency/Employer's Technical Specifications demonstrating substantial responsiveness of the material, equipment and works to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications. c) any other procurement specific documentation requirement as stated in the **BDS**.
	11.5	The required documents and other accompanying documents must be in English. In case any other language than English is used the pertinent translation into English shall be attached to the original version.
12. Documents Establishing Eligibility and Qualification of the Bidder	12.1	The bidder shall furnish, as part of its bid, all those documents establishing the bidder's eligibility to participate in the bidding process and/or its qualification to perform the contract if its bid is accepted.
	12.2	The documentary evidence of the bidder's eligibility to bid shall establish to the satisfaction of the Procuring agency/Employer that the bidder, at the time of submission of its bid, is from an eligible country as defined in Section-IV titled as "Eligible Countries".
	12.3	The documentary evidence of the bidder's qualification to perform the contract if its bid is accepted shall establish to the

		satisfaction of Procuring agency/Employer that: a) The bidder has the financial and technical capability necessary to perform the Contract, meets the qualification criteria specified in Section-V, Evaluation and Qualification Criteria and **BDS**. b) (Not Applicable) c) That the bidder meets the qualification criteria listed in Section-V, Evaluation and Qualification Criteria and **BDS.**
13. Letter of Bid and Schedules	13.1	The Letter of Bid (Technical or Financial as the case may be) and Schedules, including the Bill of Quantities, shall be prepared using the relevant forms furnished in Standard Bid Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under **ITB 22.** All blank spaces shall be filled in with the information requested.
14. Letter of Bid	14.1	The bidder shall fill in the Letter of Bid (Technical or Financial as the case may be) furnished in the bidding documents. The Standard Bid Forms must be completed without any alterations to its format and no substitute shall be accepted.
15. Bid Prices	15.1	The bid prices quoted by the bidder in the Standard bid Forms, Bill of Quantities and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the bidding documents.
	15.2	The bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. If a Price Schedule shows items listed but not priced, their prices shall be construed to be included in the prices of other items in the Bill of Quantities and will not be paid for separately by the Procuring agency/Employer.
	15.3	**This an item / measurement-based contract.** The Employer reserves the right to make any additions, alterations or modifications in the specification at any time in the best interest of the Work; also, Employer reserves the right increase or decrease the scope of work during the execution of work and include or delete items in BoQ.
	15.4	The Bid price to be quoted in the Form of Bid in accordance with **ITB 15.1** shall be the total price of the bid.
	15.5	The bid price shall be adjusted in accordance with Appendix C – Formula for Price Adjustment.

	15.6	(Not Applicable)
	15.7	Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account.
	15.8	All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date twenty-eight (28) days prior to the deadline for submission of bids, shall be included in the rates and prices and the total bid price submitted by the bidder.
16. Currencies of Bid and Payment	16.1	The currency of the bid and the currency of payments shall be Pakistani Rupees.
	16.2	(Not Applicable)
	16.3	(Not Applicable)
	16.4	(Not Applicable)
17. Documents Comprising the Technical Proposal	17.1	The bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in **Section IV – Standard Bid Forms**, in sufficient detail to demonstrate the adequacy of the bidder's proposal to meet the work requirements and the completion time.
18. Bid Validity Period	18.1	Bids shall remain valid for **90 days from the date of opening of financial bids**. A bid valid for a shorter period shall be rejected by the Procuring agency/Employer as non-responsive**.** The period of bid validity will be determined from the complementary bid securing instrument i.e. the expiry period of bid security or bid securing declaration as the case may be.
	18.2	Under exceptional circumstances, prior to the expiration of the initial bid validity period, the Procuring agency/Employer may request the bidders' consent to an extension of the period of validity of their bids only once, for the period not more than the period of initial bid validity. The request and the bidders' responses shall be made in writing or in electronic forms that provide record of the content of communication. The Bid Security provided under **ITB 19** shall also be extended 28 days beyond the deadline of extended bid validity period. A bidder agreeing to the request will not be required nor permitted to modify its bid, but will be required to extend the validity of its Bid Security for the period of the extension, and in compliance with **ITB 19** in all respects.

19. Bid Security or Bid Securing Declaration	19.1	Pursuant to **ITB 11.1** unless otherwise specified in the **BDS**, the bidder shall furnish as part of its bid, a Bid Security in form of fixed amount not exceeding five percent of the estimated value of procurement determined by the Procuring agency/Employer and in the amount and currency specified in the **BDS** or Bid Securing Declaration as specified in the **BDS** in the format provided in **Section VI (Standard Bidding Forms)**. In case Procuring agency/Employer is inviting bids in lots / packages, the bidder shall be required to submit his bid security against the respective lot/ package for which he is submitting his bid, which shall not exceed five percent of the estimated value of that particular lot/ package.
	19.2	The Bid Security or Bid Securing Declaration is required to protect the Procuring agency/Employer against the risk of Bidder's conduct before award of the contract to the most advantageous bidder which would warrant the security's forfeiture, pursuant to **ITB 19.9.**
	19.3	The Bid Security shall be denominated in the local currency, and it shall be in the form specified in the **BDS** which shall be in any of the following: a) A bank guarantee, an irrevocable letter of credit issued by a Scheduled bank based in islamabad in the form provided in the Bidding Documents or another form acceptable to the Procuring agency/Employer and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period for Bid Validity is extended. In either case, the form must include the complete name of the bidder; b) A Banker's cheque/CDR/PO/DD
	19.4	The Bid Security or Bid Securing Declaration shall be in accordance with the Form of the Bid Security or Bid Securing Declaration included in **Section VI (Standard Bidding Forms)** or another form approved by the Procuring agency/Employer prior to the bid submission.
	19.5	The Bid Security shall be payable promptly upon written demand by the Procuring agency/Employer in case any of the conditions listed in **ITB 19.9** are invoked.
	19.6	Any bid not accompanied by a Bid Security in accordance with **ITB 19.1 or 19.3** shall be rejected by the Procuring

		agency/Employer and shall be declared as non-responsive bid, pursuant to **ITB 30**.
	19.7	Unsuccessful bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bid Validity prescribed by the Procuring agency/Employer pursuant to **ITB 18**. The Procuring agency/Employer shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest: (a) The expiry of the Bid Security; (b) The entry into force of a procurement contract and the provision of a performance security (or guarantee), for the performance of the contract if such a security (or guarantee), is required by the Biding documents; (c) The rejection by the Procuring agency/Employer of all Bids; (d) The withdrawal of the bid prior to the deadline for the submission of bids, unless the biding documents stipulate that no such withdrawal is permitted.
	19.8	The successful bidder's Bid Security will be discharged upon the bidder signing the contract pursuant to **ITB 47 or** furnishing the performance security (in the shape of Bank Guarantee), pursuant to **ITB 48**.
	19.9	The Bid Security may be forfeited: a) if a Bidder: i) Withdraws its Bid during the period of Bid Validity as specified by the Procuring agency/Employer, and referred by the bidder on the Form of Bid except as provided for in **ITB 18.2**; or ii) The bidder does not accept the correction of Arithmetic errors rectified by the employer and the contract will be awarded to the next lowest responsive bidder. b) In the case of a successful bidder, if the bidder fails: i) to sign the contract in accordance with **ITB 47**; or ii) to furnish performance security (in shape of Bank Guarantee) in accordance with **ITB 48.**
	19.10	(Not Applicable)
20. Alternative	20.1	(Not Applicable)

Bids by Bidders		
	20.2	(Not Applicable)
	20.3	(Not Applicable)
21. Withdrawal of Bids	21.1	Before the bid submission deadline, any bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and the corresponding must accompany the respective written notice.
	21.2	Bids requested to be withdrawn in accordance with **ITB 21.1** shall be returned unopened to the bidders.
22. Format and Signing of Bid	22.1	(Not Applicable)
	22.2	(Not Applicable)
	22.3	Any interlineations, erasures, or overwriting shall be valid only if they are signed by the person(s) authorized for signing the Bid.

D. SUBMISSION OF BIDS

23. Sealing and Marking of Bids	23.1	(Not Applicable)
	23.2	(Not Applicable)
	23.3	(Not Applicable)
	23.4	(Not Applicable)
	23.5	(Not Applicable)
24. Deadline for Submission of Bids	24.1	Bids shall be received to the Procuring agency/Employer through EPADS (and one hard copy as backup) no later than the date and time specified in the **BDS i.e. 11:00 AM on 23th November, 2026 .**
	24.2	The Procuring agency/Employer may, under exceptional circumstances and at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with **ITB 9**, in which case all rights and obligations of the Procuring agency/Employer and bidders previously subject to the deadline will thereafter be subject to the new deadline.
25. Late Bids	25.1	(Not Accepted)
	25.2	Any bid received by the Procuring agency/Employer after the deadline for submission of bids shall be declared late, recorded,

		rejected and returned unopened to the bidder.
26. Substitution and Modification of bids	26.1	(Not Applicable)
	26.2	(Not Applicable)

E. OPENING AND EVALUATION OF BIDS

27. Opening of Bids	27.1	The Procuring agency/Employer will open all technical bids, in public, in the presence of bidders' or their representatives who choose to attend, and other parties with a legitimate interest in the bid proceedings at the place, on the date and at the time, specified in the **BDS**. The bidders' representatives present shall sign a attendance sheet as a proof of their attendance.
	27.2	(Not Applicable)
	27.3	(Not Applicable)
	27.4	(Not Applicable)
	27.5	(Not Applicable)
	27.6	In case of Single Stage Two Envelope Procedure, the Procuring agency/Employer will open the Technical Proposals in public at the address, date and time specified in the **BDS** in the presence of bidders' designated representatives who choose to attend and other parties with a legitimate interest in the bid proceedings. The Financial Proposals will remain unopened and will remain unopened at EPADS.
	27.7	All Technical Proposals on EPADS shall be opened one at a time, and the following read out and recorded: (a) the name of the bidder; (b) the presence of a Bid Security, if required; and (c) Any other details as the Procuring agency/Employer may consider appropriate.
	27.8	Bids not opened and not read out at the bid opening shall not be considered further for evaluation, irrespective of the circumstances.
	27.9	Bidders are advised to send in a representative with knowledge of the content of the bid who shall verify the information read out from the submitted documents. Failure to send a representative or to point out any un-read information by the sent bidder's representative shall indemnify the Procuring agency/Employer against any claim or failure to read out the correct information contained in the bidder's bid.

	27.10	No bid will be rejected at the time of bid opening except for late bids which will be returned unopened to the bidder, pursuant to **ITB 25.**
	27.11	The Procuring agency/Employer shall record the Bid opening sheet of the bid opening. The record of the bid opening shall include, as a minimum: the name of the bidder, the bid price (if applicable) and the presence or absence of a Bid Security.
	27.12	The bidders' representatives who are present shall be requested to sign the attendance sheet. The omission of a bidder's signature on the record shall not invalidate the contents and affect the record. A copy of the record shall be distributed to all the bidders.
	27.13	(Not applicable)
	27.14	In case of Single Stage -Two Envelop Bidding Procedure, after the announcement of technical evaluation report, the Procuring agency/Employer, shall at a time within the bid validity period, publicly open the financial proposals of the **technically qualified bidder only**. The financial proposal of bidders found technically non-responsive shall be returned un-opened to the respective bidders after seven days of the announcement of technical evaluation report, except those aggrieved bidder(s) whose complaints are pending before the Grievance Redressal Committee.
28. Confidentiality	28.1	Information relating to the examination, clarification, evaluation and comparison of bids and recommendation of contract award shall not be disclosed to bidders or any other persons not officially concerned with such process until the ~~t~~time of the announcement of the respective evaluation report.
	28.2	Any effort by a bidder to influence the Procuring agency/Employer processing of bids or award decisions may result in the rejection of its bid.
	28.3	Notwithstanding **ITB 28.2** from the time of bid opening to the time of contract award, if any bidder wishes to contact the Procuring agency/Employer on any matter related to the bidding process, it should do so in writing or in electronic forms that provides record of the content of communication.

29. Clarification of Bids	29.1	To assist in the examination, evaluation and comparison of bids, the Procuring agency/Employer may ask any bidder for a clarification of its bid including breakdown of prices invariably in writing. Any clarification submitted by a bidder that is not in response to a request by the Procuring agency/Employer shall not be considered.
	29.2	The request for clarification and the response shall be in writing or in electronic forms that provide a record of the content of communication. No change in the prices or substance of the bid shall be sought, offered, or permitted, except clarification for the correction of arithmetic errors discovered by the Procuring agency/Employer during the evaluation of bids which shall be sought in accordance with **ITB 32**.
	29.3	The alteration or modification in the bid which in any case affect the following parameters will be considered as a change in the substance of a bid: a) evaluation & qualification criteria. b) required scope of work. c) contract price. d) all securities requirements. e) tax requirements. f) terms and conditions of bidding documents. g) change in the ranking of the bidder
	29.4	From the time of bid opening to the time of Contract award if any bidder wishes to contact the Procuring agency/Employer on any matter related to the bid it should do so in writing or in electronic forms that provide record of the content of communication.

30. Preliminary Examination of Bids	30.1	Prior to the detailed evaluation of bids, the Procuring agency/Employer will determine whether each bid: a) meets the eligibility criteria defined in **ITB 3** and **ITB 4**; b) has been prepared as per the format and contents defined by the Procuring agency/Employer in the bidding documents; c) has been properly signed; d) is accompanied by the required securities; and e) is substantially responsive to the requirements of the bidding documents. The Procuring agency/Employer's determination of a bid's substantial responsiveness will be based on the contents of the bid itself.
	30.2	A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one that: - a) affects in any substantial way the scope, quality, or performance of the Works; b) limits in any substantial way, inconsistent with the bidding documents, the Procuring agency/Employer's rights or the bidders' obligations under the Contract; or c) if rectified, would affect unfairly the competitive position of other bidders presenting substantially responsive bids.
	30.3	The Procuring agency/Employer will confirm that the documents and information specified under **ITB 11, 12** and **13** have been provided in the bid. If any of these documents or information is missing, or is not provided in accordance with the Instructions to Bidders, the bid shall be rejected.
	30.4	The Procuring agency/Employer may waive-off any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

	30.5	Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer may request the bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any such aspect of the technical Proposal linked with the ranking of the bidders. Failure of the bidder to comply with the request may result in the rejection of its bid.
	30.6	Provided that a Technical Bid is substantially responsive, the Procuring agency/Employer shall rectify quantifiable nonmaterial nonconformities or omissions related to the Financial Proposal. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or nonconforming item or component.
	30.7	If a bid is not substantially responsive, it will be rejected by the Procuring agency/Employer and may not subsequently be evaluated for complete technical responsiveness.
31. Examination of Terms and Conditions; Technical Evaluation	31.1	The Procuring agency/Employer shall examine the technical bid to confirm that all terms and conditions specified in the **GCC** and the **SCC** have been accepted by the bidder without any material deviation or reservation. For this purpose: "Deviation" means departure from the requirements specified in the Bidding Document. "Reservation" means setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document. **Evaluation Yard stick is appended in the end of this document**.
	31.2	The Procuring agency/Employer shall evaluate the technical aspects of the bid submitted in accordance with **ITB 31,** to confirm that all requirements specified in **Section V – Works Requirement**, **Technical Specifications of** the Bidding Documents have been met without material deviation or reservation.
	31.3	If after the examination of the terms and conditions and the technical evaluation, the Procuring agency/Employer determines that the bid is not substantially responsive in accordance with **ITB 30,** it shall reject the bid.

32. Correction of Arithmetic Errors	32.1	Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: - a) if there is a discrepancy between unit prices and the sub-total price that is obtained by multiplying the unit price and quantity, the **unit price shall prevail**, and the sub-total price shall be corrected, unless in the opinion of the Procuring agency/Employer there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail, and the total shall be corrected; and c) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern. d) Where there is a discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.
	32.2	The amount stated in the Bid will, be rectified by the Procuring agency/Employer in accordance with the above procedure for the correction of errors and, with, the concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount, its bid shall be rejected after forfeiture of Bid Security or execution of the Bid Securing Declaration, as the case may be, in accordance with **ITB 19.9.**
33. Conversion to Single Currency	33.1	The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees.
	33.2	(Not Applicable)
	33.3	(Not Applicable)
34. Evaluation of Bids	34.1	The Procuring agency/Employer shall evaluate and compare only the bids determined to be substantially responsive, pursuant to **ITB 30**.
	34.2	In evaluating the Technical Proposal of each Bid, the

		Procuring agency/Employer shall use the criteria and methodologies listed in the **BDS** and in terms of works requirement. No other evaluation criteria or methodologies shall be permitted.
	34.3	The Procuring agency/Employer's evaluation of a bid will take into account: a) the bid price, excluding provisional sums and the provision, if any, for contingencies in the summary bill of quantities, but including day work items, where priced competitively; b) Price Adjustment/Escalation is not appliable for this project.
	34.4	(Not Applicable)
	34.5	(Not Applicable)
	34.6	If the bid, which results in the Evaluated Bid Price (Most Advantageous Bid), is seriously unbalanced or front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract. ("Unbalanced" or "front-loaded" bids consist of deliberately submitting bids with artificially high prices or unit rates for the early stages of a construction project, offset by artificially low prices or unit rates for the later stages of the project, to improve the contractor's cash flow.)

35. Domestic Preference	35.1	If the **BDS** so specifies, the Procuring agency/Employer will grant a margin of preference to the domestic contractor in line with the rules, regulations, regulatory guides or instructions issued by the Authority from time to time.
36. Determination of Most Advantageous Bid	36.1	The Procuring agency/Employer shall compare the evaluated bids in accordance with the predefined bidding procedure, of all substantially responsive bids to determine the Most Advantageous bidder.
37. Qualification of Bidder	37.1	The Procuring agency/Employer shall determine to its satisfaction whether the bidder is substantially responsive and whose bid is declared as most advantageous bid either continues to meet (if prequalification applies) or meets (if post-qualification applies) the qualifying criteria specified in Evaluation and Qualification Criteria/Yardstick.
	37.2	The determination shall be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to **ITB 12**.
	37.3	Prior to contract award, the Procuring agency/Employer will verify that the successful bidder is not blacklisted/debarred.
38. Sub-Contractors	38.1	The successful bidder shall submit full details of any specialized subcontractors proposed to be engaged to the Procuring Agency/Employer for approval. Any subsequent change or replacement of subcontractors shall be promptly notified to the Procuring Agency/Employer, and prior written approval shall be obtained before such replacement is made. Furthermore, the Contractor shall be fully responsible for obtaining and maintaining all required security clearances for its entire site personnel, including site engineers, skilled labor, and unskilled labor. The Contractor shall also be solely responsible for site safety, site security, and obtaining all necessary site clearances in accordance with applicable laws and regulations.
	38.2	(Not applicable)

39. Abnormally Low Financial Bid	39.1	Where the bid price is considered to be abnormally low, the Procuring agency/Employer shall perform price analysis either during determination of Most Advantageous Bid or as a part of the post-qualification process. The following process shall apply: a) The Procuring agency/Employer may reject a bid if the Procuring agency/Employer has determined that the price in combination with other constituent elements of the bid is abnormally low in relation to the subject matter of the procurement (i.e. scope of the procurement or ancillary services) and raises concerns as to the capability and capacity of the respective Bidder to perform that contract; b) Before rejecting an abnormally low bid the Procuring agency/Employer shall request the bidder an explanation of the bid or of those sections which it considers contribute to the bid being abnormally low; take account of the evidence provided in response to a request in writing; and subsequently verify the bid or parts of the bid being abnormally low; c) The decision of the Procuring agency/Employer to reject a bid and reasons for the decision shall be recorded in the procurement proceedings and promptly communicated to the bidder concerned; d) The Procuring agency/Employer shall not incur any liability solely by rejecting abnormally bid; and e) An abnormally low bid means, in the light of the Procuring agency/Employer's estimate and of all the bids submitted, the bid appears to be abnormally low by not providing a margin for normal levels of profit. **Guidance for Procuring agency/Employer:** In order to identify the Abnormally Low Bid (ALB) following approaches can be considered to minimize the scope of subjectivity: (i) Comparing the bid price with the cost estimate; (ii) Comparing the bid price with the bids offered by other bidders submitting substantially responsive bids; and (iii) Comparing the bid price with prices paid in similar contracts in the recent past either government- or development

		partner-funded.
	39.2	The Procuring agency/Employer will determine to its satisfaction whether the bidder that is selected as having submitted the most advantageous bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in **ITB 12**
	39.3	The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to **ITB 12,** as well as such other information as the Procuring agency/Employer deems necessary and appropriate. Factors not included in these bidding documents shall not be used in the evaluation of the bidders' qualifications.
	39.4	Procuring agency/Employer may seek "Certificate for Independent Price Determination" from the bidder and the results of reference checks may be used in determining award of contract. (The Certificate shall be furnished by the bidder. The bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.)
	39.5	An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder's bid, in which event the Procuring agency/Employer will proceed to the next ranked bidder to make a similar determination of that bidder's capabilities to perform satisfactorily.

F. AWARD OF CONTRACT

40. Criteria of Award	40.1	Subject to **ITB 36** and **37**, the Procuring agency/Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has been declared as Most Advantageous Bidder, provided that such bidder has been determined to be: a) eligible in accordance with the provisions of **ITB 3;** b) is determined to be qualified to perform the Contract satisfactorily; and c) Successful negotiations have been concluded, if any.
41. Negotiations	41.1	The Committee of the Procuring agency/Employer may negotiate with the Most Advantageous Bidder relating to the following areas: (a) a minor alteration to the technical (drawings, design technical specifications) details of the statement of works; (b) Methodology, work plan, staffing in view to streamline the work; (c) a minor amendment to the special conditions of Contract; (d) finalizing payment arrangements; (e) clarifying details that were not apparent or could not be finalized at the time of Bidding;
	41.2	Where negotiation fails to result into an agreement, the Procuring agency/Employer may invite the next ranked bidder for negotiations. Where negotiations are commenced with the next ranked bidder, the Procuring agency/Employer shall not reopen earlier negotiations.
42. Procuring agency/ Employer's Right to reject All Bids	42.1	Notwithstanding **ITB 37**, the Procuring agency/Employer reserves the right to reject any or all the bids, and to annul the bidding process at any time prior to acceptance of bid, without thereby incurring any liability to the affected bidder(s). However, the Authority (i.e. PPRA) may call from the Procuring agency/Employer the justification of those grounds.
	42.2	Notice of the rejection of all bids shall be given promptly to all bidders that have submitted bids.

43. Variations	43.1	The Engineer shall make any variation in the quantity of the Works or any part thereof that may, in his opinion, be necessary and for that purpose, or if for any other reason it shall, in his opinion, be appropriate, he shall have the authority to instruct the Contractor to do and the Contractor shall do any of the following: a) increase or decrease the quantity of any work included in the Contract, b) omit any such work (but not if the omitted work is to be carried out by the Employer or by another contractor), c) change the character or quality or kind of any such work, d) change the levels, lines, position and dimensions of any part of the Works, e) execute additional work of any kind necessary for the completion of the Works, or f) change any specified sequence or timing of construction of any part of the Works. No such variation shall in any way vitiate or invalidate the Contract, but the effect, if any, of all such variations shall be valued in accordance with **ITB 15**. Provided that where the issue of an instruction to vary the Works is necessitated by some default of or breach of contract by the Contractor or for which he is responsible, any additional cost attributable to such default shall be borne by the Contractor.
44. Instructions for variations	44.1	The Contractor shall not make any such variation without an instruction of the Engineer. Provided that no instruction shall be required for increase or decrease in the quantity of any work where such increase or decrease is not the result of an instruction given under this Clause, but is the result of the quantities exceeding or being less than those stated in the Bill of Quantities.
45. Valuation of Variations (For Non BoQ Items)	45.1	The valuation will be carried out on the basis of actual with the application of current market rates for labour and material. The percentage (%) of overheads, taxes profit, carriage and wastage, etc. all-inclusive to be allowed in such cases be twenty five (25) percent (%) .
46. Notification of Award	46.4	Upon the successful bidder's furnishing of the performance security in the shape of bank Guarantee issued by Islamabad based scheduled bank (within **14 days** of issuance of Letter of Acceptance). Subject to failure to submit the Performance

		Security within given timeframe, the employer has the right to award the contract to the next suitable responsive bidder.
47. Signing of Contract	47.1	Promptly after notification of award, Procuring agency/Employer shall send the successful bidder the draft agreement, incorporating all terms and conditions as agreed by the parties to the contract.
	47.2	Immediately after the Redressal of grievance by the GRC, and after fulfillment of all conditions precedent of the Contract Form, the successful bidder and the Procuring agency/Employer shall sign the contract.
48. Performance Security (or Guarantee)	48.1	After the receipt of the Letter of Acceptance, the successful bidder, **within the specified time,** shall deliver to the Procuring agency/Employer a Performance Guarantee in the amount and in the form stipulated in the **BDS and SCC**, denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the Conditions of Contract.
	48.2	If the Performance Guarantee is provided by the successful bidder and it shall be in the form specified in the **BDS** which shall be in any of the following: **Bank guarantee issued by Islamabad based scheduled bank**
	48.3	Failure of the Most Advantageous Bidder to comply with the requirement of **ITB 47** shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or declare blacklisted (in case bid securing declaration is submitted) in which event the Procuring agency/Employer may make the award to the next most advantageous bidder or reinitiate the procurement process afresh (as a case may be).

49. Advance Payment	49.1	The Employer shall provide a **Mobilization Advance** equivalent to 10% of the total Contract Amount to the Contractor in two equal instalments, subject to submission of an unconditional and irrevocable Bank Guarantee for the full amount of the Mobilization Advance (10% of the Contract Amount), issued by a scheduled bank based in Islamabad and acceptable to the Employer. a) 50% within 14 days after signing of contract agreement. b) 50% within 40 days after signing of contract agreement and satisfaction of Engineer/ Employer c) The total Mobilization Advance shall be recovered from the Contractor's Interim Payment Certificates (IPCs) in equal instalments. Recovery shall commence from the third month/IPC onwards, and the entire advance shall be fully recovered no later than three (3) months before the scheduled completion date specified in the Work Order. **Note:** The Bank Guarantee shall remain valid until the full amount of the Mobilization Advance has been recovered by the Employer. Any reduction or release of the guarantee shall be subject to the corresponding recovery of the advance and written approval of the Employer.
	49.2	**SECURED ADVANCE ON MATERIALS)** a) The Contractor shall be entitled to receive from the Employer Secured Advance against an indemnity bond and original payment invoices acceptable to the Employer of such sum as the Engineer may consider proper in respect of non-perishable materials (Steel, Tiles, Electric Cables and AC'S) brought at the Site but not yet incorporated in the Permanent Works provided that: 1)The materials are in accordance with the Specifications for the Permanent Works; 2) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor; 3) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by

		the Engineer; 4) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefor; 5) Ownership of such materials shall be deemed to vest in the Employer and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Employer; and 6) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of other materials. b) The recovery of Secured Advance paid to the Contractor under the above provisions shall be affected in total from next IPC.
50. General Performance of the Bidders	50.1	The Procuring agency/Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts / works. The Procuring agency/Employer may seek information / report from the previous employer for consideration. However, the Procuring agency/Employer shall incorporate such parameters in the evaluation criteria and accordingly decide the fate of the bid submitted.
51. Corrupt & Fraudulent Practices	51.1	Procuring agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Suppliers/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

F. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM

52. Constitution of Grievance Redressal	52.1	Procuring agency/Employer shall constitute a Grievance Redressal Committee (GRC) comprising of odd number of persons with proper power and authorization to address the complaint. The GRC shall not have any of the members of Procurement Evaluation Committee. The committee must have one subject specialist depending the nature of the procurement.

53. GRC Procedure	53.1	Any party can file its written complaint against the eligibility parameters or any other terms and conditions prescribed in the prequalification or bidding documents found contrary to provision of Procurement Regulatory Framework, and the same shall be addressed by the GRC well before the bid submission deadline.
	53.2	Any bidder feeling aggrieved by any act of the Procuring agency/Employer after the submission of his bid may lodge a written complaint concerning his grievances not later than seven days of the announcement of technical evaluation report and five days after issuance of final evaluation report.
	53.3	In case, the complaint is filed against the technical evaluation report, the GRC shall suspend the procurement proceedings.
	53.4	In case, the complaint is filed after the issuance of the final evaluation report, the complainant cannot raise any objection on technical evaluation of the report: Provided that the complainant may raise the objection on any part of the final evaluation report in case where single stage one envelope bidding procedure is adopted.
	53.5	The GRC, in both the cases shall investigate and decide upon the complaint within ten days of its receipt.
	53.6	Any bidder or the Procuring agency/Employer not satisfied with the decision of the GRC may file Appeal before the Appellate Committee of the Authority on prescribed format after depositing the Prescribed fee.
	53.7	The Committee, upon receipt of the Appeal against the decision of the GRC complete in all respect shall serve notices in writing upon all the parties to Appeal.
	53.8	The committee shall call the record from the concerned Procuring agency/Employer or the GRC as the case may be, and the same shall be provided within prescribed time.
	53.9	The committee may after examination of the relevant record and hearing all the concerned parties, shall decide the complaint within fifteen (15) days of receipt of the Appeal.
	53.10	The decision of the Committee shall be in writing and shall be signed by the Head and each Member of the Committee. The decision of the committee shall be final.

G. MECHANISM OF BLACKLISTING/TERMINATION AND ARBITRATION

54. MECHANISM OF BLACKLISTING/ TERMINATION AND ARBITRATION	54.1	The Procuring agency/Employer shall bar for not more than the time prescribed in Rule-19 of the Public Procurement Rules, 2004, from participating in their respective procurement proceedings, bidder or contractor who either: Involved in corrupt and fraudulent practices as defined in Rule-2 of Public Procurement Rules; i) Fails to perform his contractual obligations; and ii)Fails to abide by the id securing declaration;
	54.2	The show cause notice shall contain: (a) precise allegation, against the bidder or contractor; (b) the maximum period for which the Procuring agency/Employer proposes to debar the bidder or contractor from participating in any public procurement of the Procuring agency/Employer; and (c) the statement, if needed, about the intention of the Procuring agency/Employer to make a request to the Authority for debarring the bidder or contractor from participating in public procurements of all the procuring agencies.
	54.3	The Procuring agency/Employer shall give minimum of seven days to the bidder or contractor for submission of written reply of the show cause notice.
	54.4	In case, the bidder or contractor fails to submit written reply within the requisite time, the Procuring agency/Employer may issue notice for personal hearing to the bidder or contractor/ authorize representative of the bidder or contractor and the Procuring agency/Employer shall decide the matter on the basis of available record and personal hearing, if availed.
	54.5	In case the bidder or contractor submits written reply of the show cause notice, the Procuring agency/Employer may decide to file the matter or direct issuance of a notice to the bidder or contractor for personal hearing.
	54.6	The Procuring agency/Employer shall give minimum of seven days to the bidder or contractor for appearance before the designated officer of the Procuring agency/Employer for personal hearing. The designated officer shall decide the matter on the basis of the available record and personal hearing of the bidder or contractor, if availed.

	54.7	The Procuring agency/Employer shall decide the matter within fifteen (15) days from the date of personal hearing unless the personal hearing is adjourned to a next date and in such an eventuality, the period of personal hearing shall be reckoned from the last date of personal hearing.
	54.8	The Procuring agency/Employer shall communicate to the bidder or contractor the order of debarring the bidder or contractor from participating in any public procurement with a statement that the bidder or contractor may, within thirty (30) days, prefer a representation against the order before the Authority.
	54.9	Such blacklisting or barring action shall be communicated by the Procuring agency/Employer to the Authority and respective bidder or bidders in the form of decision containing the grounds for such action. The same shall be publicized by the Authority after examining the record whether the procedure defined in blacklisting and debarment mechanism has been adhered to by the Procuring agency/Employer.
	54.10	The bidder may file the review petition before the Review Petition Committee Authority within thirty (30) days of communication of such blacklisting or barring action after depositing the prescribed fee and in accordance with "Procedure of filing and disposal of review petition under Rule-19(3) Regulations, 2021". The Committee shall evaluate the case and decide within ninety (90) days of filing of review petition.
	54.11	The committee shall serve a notice in writing upon all respondent of the review petition. The notices shall be accompanied by the copies of review petition and all attached documents of the review petition including the decision of the Procuring agency/Employer. The parties may file written statements along with essential documents in support of their contentions. The Committee may pass such order on the representation may deem fit.
	54.12	The Authority on the basis of decision made by the committee either may debar a bidder or contractor from participating in any public procurement process of all or some of the procuring agencies for such period as the deemed appropriate or acquit the bidder from the allegations. The decision of the Authority shall be final.

	54.13	TERMINATION OF CONTRACT FOR EMPLOYER'S CONVENIENCE The Employer shall have the right to terminate the Contract, in whole or in part, at any time for its convenience by giving thirty (20) days' prior written notice to the Contractor, with a copy to the Engineer. Upon receipt of the termination notice, the Contractor shall: a) Cease the execution of the Works in accordance with the instructions issued by the Employer or the Engineer. b) Safely remove all of its materials, equipment, machinery, temporary structures, and other belongings from the Site within ten (10) days from the effective date of termination. c) Leave the Site in a safe, clean, and orderly condition and hand over the completed portions of the Works to the Employer. d) Submit all outstanding records, documents, and accounts relating to the Works up to the effective date of termination. The Contractor shall comply with the above requirements without causing any unnecessary delay or obstruction to the Employer's subsequent activities at the Site.
	54.14	PAYMENT IF CONTRACT TERMINATED In the event of termination of the Contract by the Employer for convenience, the Contractor shall be entitled to receive payment, to the extent that such amounts have not already been paid or covered through previous payments on account, for all work satisfactorily executed up to the effective date of termination. Such payment shall be calculated in accordance with the rates, prices, and terms specified in the Contract and shall be subject to verification and certification by the Engineer and approval of the Employer. The Employer shall also settle any outstanding certified payments due to the Contractor for the work executed prior to the date of termination, in accordance with the payment provisions of the Contract. Moreover the employer has the rights to rectified any defective work duration the execution or after completion/termination on contractor risk and cost which the contractor fail to rectified in given time after written notice to the contractor

Arbitration	54.15	Any dispute arising out of or related to this Agreement, or any of its amendment shall be settled first through negotiations by the parties, failing by reference to arbitration of two arbitrators, one to be appointment by each party, and in case of disagreement between them, to the arbitration of an Umpire who shall be nominated by the said two arbitrators and appointed by both parties. The venue of such arbitration shall be Islamabad and the proceedings thereof shall be governed by the Arbitration Act, 1940. The arbitration shall be held in English language.
Risk and Cost.	54.16	the Employer shall have the right, at any stage during the execution of the Works, upon completion of the Works, or following termination of the Contract, to require the Contractor to rectify any defective, incomplete, or non-compliant work at the Contractor's own risk and cost. In the event that the Contractor fails to rectify such defects within the time specified in a written notice issued by the Employer or the Engineer, the Employer shall be entitled to undertake or arrange for the necessary rectification through its own resources or by engaging a third party, without further notice to the Contractor. All costs, expenses, and losses incurred in connection with such rectification shall be entirely recoverable from the Contractor and may be deducted from any outstanding payments, retention money, security deposit, or performance security, without prejudice to any other rights or remedies available to the Employer under the Contract or applicable law.

EXTENSION OF TIME FOR COMPLETION	55.1	If the completion of the work is delayed on account of extra/varied additional work of any kind or other special circumstance such as serious loss or damages by fire, civil, commotion, strike, stoppage of work or lockout affecting trades employed in the work non-availability of raw material, non- delivery on site either complete or partial etc. and / or on account of any cause including orders of the Architect/Organization which may occur be such as could be adjudged beyond the control of the Contractor fairly entitling the contractor to extension of time for completion such delay shall not violate the contract and the Contractor shall not be entitled for any compensation or loss of damages other than extension of time.
Site Services & Facilities	56.1	The contractor shall be responsible for its own arrangements for the supply and installation of electricity, supply of water, telephone, etc. along with temporary roads for smooth carriage of construction materials, labor camp with necessary facilities such as water supply, electricity, sewerage etc. and another facility which is required. And after completion of the project all the temporary structure would be dismantle and removed from site.
Engineer's facilities to be provided	56.2	The Contractor shall establish and maintain a properly equipped site office for the Engineer at the project site, complete with all necessary office furniture, fixtures, and facilities to the satisfaction of the Engineer. All associated costs shall be borne by the Contractor.

SECTION III: BID DATA SHEET

Bid Data Sheet (BDS)

The following specific data for the for the procurement of works shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITBs). Whenever there is a conflict, the provisions herein shall prevail over those in ITBs.

BDS Clause Number	ITB Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
A. Introduction		
1.	**1.1**	Name of Procuring agency/Employer: Air University, Islamabad Campus The subject of procurement is: **"Construction of Library and Class Rooms Block at Air University H-11, campus Islamabad".** Period for completion of the works: **250 Calendar Days** Commencement date execution of the works: As per work order Type of Procurement: *Competitive bidding (Single Stage Two Envelope)*
2.	**2.1**	Financial year for the operations of the Procuring agency/Employer: ***2026-27*** Name of Project: **"Construction of Library and Class Rooms Block Class Rooms Block at Air University H-11, Campus Islamabad".** Name of financing institution: Air University, Islamabad Campus Name and identification number of the Contract **Construction of Library and Class Rooms Block Class Rooms Block at Air University H-11, campus Islamabad". Tender No.** IBD/AU/P&D/04/2026
3.	**3.1**	(Not Applicable)

B. Bidding Documents

4.	**7.2**	The bidding documents must be uploaded on the EPADS system. However, for backup, The contractors are advised to submit **one Hard copy** of the Technical & Financial Bids (separately labelled). The Bid security will be presented **in original at the time of Technical Opening**. Any bid without original Bid security will be rejected at the spot. The hard copies of the bid along with Bid security will be submitted at Office of **Director P&D, Air University, Islamabad Campus E-9**, before the given date and time of bid submission. **Note: Any bid which is not uploaded through EPADS will not be eligible for participation in the bidding process.**
5.	**8.1**	The address for clarification of Bidding Documents is : **Office of Director P&D, Air University, Islamabad Campus E-9,** **Contact No # 051-9153238** or email **ali.siddiqui@au.edu.pk**
	8.5	Pre-bid meeting will only be held on the requests of multiple bidders/or in case of multiple changes in the bidding documents.

C. Preparation of Bids

6.	**10.1**	The Language of all correspondences and documents related to the Bid is **English**
7.	**11.1 (i)**	**Complete company profile according to the given yardstick** must be included in the Bid.
8.	**11.5 (c)**	Other procurement specific documentation according to the yardstick should be attached with technical bid.
9.	**15.5**	(Not applicable)
10.	**15.6**	Name of the works **"Construction of Library and Class Rooms at Air University H-11, campus Islamabad".** The identification No IBD/AU/P&D/04/2026
11.	**16.1**	The currency of the Bid shall be ***Pakistani Rupees***
12.	**18.1**	The Bid Validity period shall be **90 days**.
13.	**19.1**	The amount of Bid Security shall be Rs. **7,759,703 (Seven Million Seven Hundred Fifty Nine Thousand Seven Hundred and Three Only).)** in shape of

		CDR/PO/DD/Bankers cheque.
14.	**19.3**	The Bid Security shall be in the form of: CDR/PO/DD/Bankers cheque
15.	**19.3 (c)**	(Not applicable)
16.	**20.1**	(Not applicable)
17.	**20.2**	Bidder must submit complete work schedule as per total duration of the project as mentioned in Tender Documents.
18.	**22.1**	The bidding documents must be uploaded on the EPADS system. However, for backup, The contractors are advised to submit **one Hard copy** of the Technical & Financial Bids (separately labelled). The Bid security will be presented **in original at the time of Technical Opening**. Any bid without original Bid security will be rejected at the spot. The hard copies of the bid along with Bid security will be submitted at **Office of Director P&D , Air University, Islamabad Campus E-9** before the given date and time of bid submission. **Note: Any bid which is not uploaded through EPADS will not be eligible for participation in the bidding process.**
19.	**22.2**	(Not applicable)

D. Submission of Bids

20.	**23.2 (a)**	Bid shall be submitted: **Office of Director P&D , Air University, Islamabad Campus E-9**
21.	**23.2 (b)**	Title of the subject Procurement or Project name: **"Construction of Library and Class Rooms Block at Air University H-11, campus Islamabad".** ITB title and No: **IBD/AU/P&D/04/2026** Time and date for submission: **Before 11:00 AM on 23th November, 2026.**
	24.1	The deadline for Bid submission is a) Day *: Monday* b) Date*:* **23th November, 2026** c) Time*:11:00 AM*

E. Opening and Evaluation of Bids

22.	**27.1**	The Bid opening shall take place at: **Office of Director P&D , Air University, Islamabad Campus E-9**. a) Day *: Monday* b) Date*:* **23th** November**, 2026** c) Time*:11:30 AM*
23.	**33.2**	The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid prices expressed in various currencies is **Pakistani Rupees**
24.	**33.3**	The bids shall be quoted in (**Pakistani Rupees**)
25.	**34**	**Evaluation Techniques** **As per attached "yardstick"**
26.	**34**	(Not applicable)
27.	34	(Not applicable)
28.	**35**	(Not applicable)
29.	**38.2**	(Not applicable)

F. Award of Contract

30.	**48**	The Performance Security (in shape of Bank Guarantee) shall be **10 percent of the Contract Price.**
31.	**48**	The Performance Security shall be in the form of Bank **Guarantee issued by Islamabad based scheduled bank.**

G. Review of Procurement Decisions

32.	**53.6**	(Not applicable)

Section IV. Eligible Countries

All the bidders are allowed to participate in the subject procurement without regard to nationality, except bidders of some nationality, prohibited in accordance with policy of the Federal Government.

Following countries are ineligible to participate in the procurement process:

1. India
2. Israel

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Section V. Evaluation and Qualification Criteria

The Procuring agency/Employer shall evaluate the bids in accordance with predefined evaluation and qualification criteria mentioned in this document. No other factors, methods or criteria shall be used. The Bidder shall provide all the information requested in the forms included in the Bidding Forms.

Wherever a Bidder is required to state a monetary amount, Bidders should indicate the currency prescribed in the BDS. In case of foreign currency, the exchange rates shall be taken from State Bank of Pakistan on that bid opening day. Any error in determining the exchange rates in the Bid may be corrected in accordance with **ITB 32** (Correction of Arithmetic Errors)

1. Domestic Preference

If allowed in the BDS, a margin of preference shall be granted to domestic contractors, in accordance with policy of the Federal Government and guidelines issued by the Authority, and subject to, the following provisions:

(a) Contractors applying for such preference shall provide, as part of the data for qualification, such information, including details of ownership, as shall be required to determine whether, according to the classification established by the Procuring agency/Employer, a particular contractor or group of contractors qualifies for a domestic preference. The bidding documents shall clearly indicate the preference and the method that will be followed in the evaluation and comparison of bids to give effect to such preference.

(b) After bids have been received and reviewed by the Procuring agency/Employer, responsive bids shall be classified into the following groups:
   (i) Group A: bidder eligible for the domestic preference.
   (ii) Group B: other bidder.

(c) All evaluated bids in each group shall, as a first evaluation step, be compared to determine the most advantageous bid, and the most advantageous bids in each group shall be further compared with each other. If, as a result of this comparison, a bid from Group A is the most advantageous, it shall be selected for the award. If a bid from Group B is the most advantageous, as a second evaluation step, all bids from Group B shall then be further compared with the most advantageous bid from Group A. For the purpose of this further comparison only, the percentage of price preference of the respective bid price corrected for arithmetical errors, shall be added to the evaluated price offered in each bid from Group B. If the bid from Group A is the most advantageous, it shall be selected for award. If not, the most advantageous bid from Group B based on the first evaluation step shall be awarded the contract.

Evaluation

In addition to the criteria listed in **ITB 34.3** the following criteria shall be applied for the evaluation of bids:

2.1 Assessment of adequacy of Technical Proposal with Requirements

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section V Works Requirements.

2.2 Technical Alternatives:

Technical alternatives, if permitted under BDS, will be evaluated as follows;
(*The Procuring agency/Employer shall describe how this factor will be evaluated).*

2.3 **Multiple Contracts**:

If works are grouped in multiple contracts and pursuant to **ITB 34**, the Procuring agency/Employer shall evaluate and compare Bids on the basis of a contract, or a combination of contracts, or as a total of contracts in order to arrive at the Most advantageous bid for the Procuring agency/Employer by taking into account bids offered by Bidders in case of award of multiple contracts. If a Bidder submits several successful (lowest evaluated substantially responsive) bids, the evaluation will also include an assessment of the Bidder's capacity to meet the following aggregated requirements as presented in the bid:

1) Average annual construction turnover,
2) Financial resources,
3) Equipment to be allocated, and
4) Personnel to be fielded

If permitted under ITB 34, will be evaluated as follows:

Award Criteria for Multiple Contracts:

Lots
If specified in the procurement planning and allowed in the BDS, the Procuring agency/Employer may ask to the bidder to bid for any one or more lots. Bids will be evaluated lot-wise for combined lots. The contract(s) will be awarded to the Bidder or Bidders offering the most advantageous bid to the Procuring agency/Employer for combined lots, subject to the selected Bidder(s) meeting the required qualification criteria for lot or combination of lots as the case may be.

Packages

If specified in the procurement planning and allowed in the BDS the bidder may choose to Bid for any one or more packages and for any one or more lots within a package. Bids will be evaluated package-wise, for combined packages and/or lots within a package. The contract(s) will be awarded to the Bidder or Bidders offering the most advantageous bid to the Procuring agency/Employer for combined packages, subject to the selected Bidder(s) meeting the required qualification criteria for combination of packages and or lots as the case may be.

2.4 Specialized Subcontractors

Only the specific experience of subcontractors for specialized works permitted by the Procuring agency/Employer will be considered. The general experience and financial resources of the specialized subcontractors shall not be added to those of the Bidder for purposes of qualification of the Bidder.

The specialized sub-contractors proposed shall be fully qualified for their work proposed, and meet the following criteria:

Quantitative Evaluation Yardstick

A. Experience	Total Points = 60
1. Similar Works (Each Project) completed in last 03 years (supported by documents) to be listed at Appendix-"A"	30
2. Ongoing Works (Each Project) of similar nature (supported by documents) to be listed at Appendix-"B"	30

B. Profile	Total Points = 10
1. Management & Engineering and technical staff	5
2. Availability of relevant equipment & tools	5
C. Financial Capability	**Total Points = 10**
1. Average annual construction turnover in millions for the last 03 years	10

D. Work Plan	Total Points = 05
1. Work plan for total duration	05
E. Affidavit	**Total Points = 05**
2. Firm/Company never blacklisted by any Govt organization and Never involved in litigation with any agency/Govt Deptt.	05

F. Feed Back	Total Points = 10
3. Feed Back from Previous Clients /Interview of CEO	10

Note: The evaluation and selection of the contractor shall be carried out using a Quality- and Cost-Based Selection (QCBS) method. The weightage for evaluation shall be as follows:
a)**TechnicalProposal:50%**
b) Financial Proposal: 50%
Firms securing a minimum score of **60 marks** in the technical evaluation shall be considered technically qualified and eligible for financial evaluation/opening.

Contractor's Representative and Key Personnel

The Bidder must demonstrate that it will have a suitably qualified Contractor's Representative and suitably qualified (and in adequate numbers) Key Personnel, as described in the Specification.

The Bidder shall provide details of the Representative and Key Personnel and such other Key Personnel that the Bidder considers appropriate to perform the Contract, together with their academic qualifications and work experience. The Bidder shall complete the relevant Forms in the Bidding Forms.

Equipment

The Bidder must demonstrate that it has access to the key equipment listed hereafter:

[Specify requirements for each lot as applicable]

No.	Equipment Type and Characteristics	Minimum Number required
1		
2		
3		
4		
5		

The Bidder shall provide further details of proposed items of equipment using Form EQU in Section V.

SECTION V: WORKS REQUIREMENT, TECHNICAL SPECIFICATIONS, DRAWINGS, SUPPLEMENTARY INFORMATION AND BILL OF QUANTITIES

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Appendix-C

PRICE ADJUSTMENT

(Weightages will be fixed by the Engineer according to respective buildings after the LOA/ Contract Agreement)

The source of indices and the weightages or coefficients for use in the adjustment formula shall be as follows: the price adjustment will be only entitled for reinforcement bars and cement.

Cost element	Description	Weightages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.75	
(ii)	Cement in Bags	0.08	Government of Pakistan (GP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Reinforcement bars	0.17	Government of Pakistan (GP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
	Total	1.0	

Notes:

1) Indices for "(ii)" to "(iii)" are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 28 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.

2) "Any fluctuation in the indices or prices of materials other than those expressly specified above shall not be considered for price adjustment and shall not entitle the Contractor to any adjustment in the Contract Price.

Furthermore, price adjustment shall become applicable only after the expiry of three (3) months from the commencement date of the Works and shall remain applicable until the completion date specified in the Work Order.

3) The price for the cost element of (II) and (iii) shall be used for the city where the site is located. In case the site is not listed in the Monthly Statistical Bulletin of Pakistan, the price for the nearest city listed in the bulletin shall be used

(4) Adjustment Formula

The amount is to be added to or deducted from the monthly statements in respect of changes in cost shall be determined from the following formula:

Pn = A + b Ln /Lo + c Mn /Mo + d En /Eo + ...
"Pn" is a price adjustment factor.
*A" is a constant (Fixed Portion)
"b" & "c" are weightages or coefficients representing the estimated proportions of each cost element (Reinforcement Steel and Cement)
"Ln" & "Mn" are the rates for 28 days prior to the bill submission date.
"Lo" & "Mo" are the base rates for 28 days prior to the bid submission.

Sources of Prices/ Base and Current Rates

The prices of elements subject to Price Adjustment shall be to the extent possible as given in the Statistical Bulletins published by Federal Bureau of Statistics (FBS), Statistical Division Government of Pakistan. Statutory notifications and official price from public sector organizations, where available, may be used at the option of the Employer.

Coefficient or Weightages

The weightages of cement and reinforcement steel bars shall be adjusted at the time of preparation of the Final Bill, based on the actual quantities of work executed and the actual consumption of cement and reinforcement steel bars.

Name: ……

Signed: - ……..

Seal: - ……

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Scope of Works / BoQ
(Attached as Vol-2)

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Drawings
(Attached as Vol-3)

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Note: **SHOP DRAWINGS**

During the execution of the work, the employer may advise the contractor to prepare any shop drawings before execution of that particular work which are mandatory for completion of the project. Drawings may include:-

- Civil
- Electrical
- Plumbing
- Mechanical
- IT & Communications

(The approval of employer / engineer is mandatory for execution of prepared shop drawings)

AS-BUILT DRAWINGS

After the completion of the project, the contractor must submit the As-Built drawings.

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Technical Proposal

Following should be attached with Technical Proposal:

- **Site Organization**
- **Method Statement**
- **Mobilization Schedule**
- **Construction Schedule**
- **Equipment**

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Form EQU: Equipment

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.

Item of equipment		
Equipment information	Name of manufacturer	Model and power rating
	Capacity	Year of manufacture
Current status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment ☐ Owned ☐ Rented ☐ Leased ☐ Specially manufactured	

Omit the following information for equipment owned by the Bidder.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	

SECTION VI: STANDARD BIDDING FORMS

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Letter of Bid – Technical Proposal

INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT

Place this Letter of Bid in the first envelope "TECHNICAL PROPOSAL".

The Bidder must prepare the Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and business address.

Note: All italicized text in black font is to help Bidders in preparing this form and Bidders shall delete it from the final document.

Date of this Bid submission: 23th November, 2026 11:00 AM
Tender No.: IBD/AU/P&D/04/2026

To: **Office of Director P&D, Air University E-9 Campus Islamabad.**

We, the undersigned Bidder, hereby submit the first part of our Bid, the Technical Proposal

In submitting our Bid we make the following declarations:

(a) **No reservations:** We have examined and have no reservations to the bidding document, including addenda issued in accordance with Instructions to Bidders **(ITB 9);**

(b) **Eligibility**: We meet the eligibility requirements and have no conflict of interest in accordance with ITB 3;

(c) **Bid/Proposal-Securing Declaration**: We have not been suspended nor declared ineligible by the Procuring agency/Employer based on execution of a Bid Securing Declaration or Bid Securing Declaration in the Procuring agency/Employer's country in accordance with **ITB 3;**

(d) **Conformity:** We offer to execute works in conformity with the bidding document and in accordance with the works requirements: **"Construction of Library and Class Rooms Block at Air University H-11, campus Islamabad".**

(e) **Bid Validity Period**: Our Bid shall be valid for the period specified in **BDS 18.1** (as amended, if applicable) from the date fixed for the Bid submission deadline specified in **BDS 24.1** (as amended, if applicable), and it shall remain binding upon us, and may be accepted at any time before the expiration of that period;

(f) **Performance Security**: If our Bid is accepted, we commit to obtain a performance security in accordance with the bidding document;

(g) One Bid per Bidder: We are not submitting any other Bid(s) as an individual Bidder, and we are not participating in any other bid(s) as a Joint Venture member or as a subcontractor, and meet the requirements, other than Alternative Bids submitted in accordance with **ITB 20;**

(h) **Suspension and Debarment**: We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Procuring agency/Employer. Further, we are not ineligible under Pakistan laws;

(i) **State-owned enterprise or institution**: [*We are not a state-owned enterprise or institution*] / [*We are a state-owned enterprise or institution*];
(j) **Binding Contract**: We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
(k) **Not Bound to Accept**: We understand that you are not bound to accept the Most Advantageous Bid or any other Bid that you may receive; and
(l) **Fraud and Corruption**: We hereby certify that we have taken steps to ensure that no person acting for us, or on our behalf, engages in any type of Fraud and Corruption.

Name of the Bidder: _____

Name of the person duly authorized to sign the Bid on behalf of the Bidder: [*insert complete name of person duly authorized to sign the Bid*]

Title of the person signing the Bid: [*insert complete title of the person signing the Bid*]

Signature of the person named above: [*insert signature of person whose name and capacity are shown above*]

Date signed [*insert date of signing*] **day of** [*insert month*], [*insert year*]

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Letter of Bid - Financial Proposal

INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT

Place this Letter of Bid - Financial Proposal in the second envelope marked "FINANCIAL PROPOSAL".

The Bidder must prepare the Letter of Bid - Financial Proposal on stationery with its letterhead clearly showing the Bidder's complete name and business address.

Note: All italicized text is to help Bidders in preparing this form.

Date of this Bid submission: 23th November, 2026 11:00 AM
Tender No.: IBD/AU/P&D/04/2026
Name of Project.: **"Construction of Library and Class Rooms Block and at Air University H-11, campus Islamabad".**

To: Air University, E-9 Islamabad Campus

We, the undersigned Bidder, hereby submit the second part of our Bid, the Financial Proposal. We understand that this project is **Item Based / Measurement Based Contract.**

In submitting our Financial Proposal we make the following additional declarations:

(a) **Bid Validity Period**: Our Bid shall be valid for the period specified in **BDS 18.1** (as amended, if applicable) from the date fixed for the bid submission deadline specified in **BDS 24.1** (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(b) **Total Price:** The total price of our Bid is: _____ [*insert the total price of the bid in words and figures, indicating the various amounts and the respective currencies*];

(c) **Binding Contract:** We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed.

Name of the Bidder:*[*insert complete name of the Bidder*]

Name of the person duly authorized to sign the Bid on behalf of the Bidder: ** [*insert complete name of person duly authorized to sign the Bid*]

Title of the person signing the Bid: [*insert complete title of the person signing the Bid*]

Signature of the person named above: [*insert signature of person whose name and capacity are shown above*]

Date signed [*insert date of signing*] **day of** [*insert month*], [*insert year*]

PUBLIC PROCUREMENT REGULATORY AUTHORITY
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FORM ELI 1
Bidder Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: 23th November, 2026 11:00 AM

1. Bidder's Name *[insert Bidder's legal name]*
2. Bidder's actual country of registration: *[insert actual or intended country of registration]*
3. Bidder's year of registration: *[insert Bidder's year of registration]*
4. Bidder's Address: *[insert Bidder's legal address in country of registration]*
5. Bidder's Authorized Representative Information Name: *[insert Authorized Representative's name]* Address: *[insert Authorized Representative's Address]* Telephone/Fax numbers: *[insert Authorized Representative's telephone/fax numbers]* Email Address: *[insert Authorized Representative's email address]*
6. Attached are copies of original documents of *[check the box(es) of the attached original documents]* ☐ Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above. ☐ Establishing that the Bidder is not under the supervision of the Procuring agency/Employer[in case of subsidiaries] 7. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Contractor's Representative and Key Personnel Schedule

Bidders should provide the names and details of the suitably qualified Contractor's Representative and Key Personnel to perform the Contract. The data on their experience should be supplied using the Form PER-2 below for each candidate.

Contractor' Representative and Key Personnel

1.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
2.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
3.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
4.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]

	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
5.	**Title of position:**	
	Name of candidate	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
6.	**Title of position:** *[insert title]*	
	Name of candidate	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]

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Form PER-2:
Resume and Declaration
Contractor's Representative and Key Personnel

Name of Bidder

Position [#*1*]: [*title of position from Form PER-1*]		
Personnel information	**Name:**	**Date of birth:**
	Address:	**E-mail:**
	Professional qualifications:	
	Academic qualifications:	
	Language proficiency:*[language and levels of speaking, reading and writing skills]*	
details		
	Address of Procuring agency/Employer:	
	Telephone:	**Contact (manager / personnel officer):**
	Fax:	
	Job title:	**Years with present Procuring agency/Employer:**

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

Project	**Role**	**Duration of involvement**	**Relevant experience**
[main project details]	*[role and responsibilities on the project]*	*[time in role]*	*[describe the experience relevant to this position]*

Declaration

I, the undersigned *[insert either "Contractor's Representative" or "Key Personnel" as applicable]* , certify that to the best of my knowledge and belief, the information contained in this Form PER-2 correctly describes myself, my qualifications and my experience.

I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Bid:

Commitment	**Details**
Commitment to duration of contract:	*[insert period (start and end dates) for which this Contractor's Representative or Key Personnel is available to work on this contract]*
Time commitment:	*[insert period (start and end dates) for which this Contractor's Representative or Key Personnel is available to work on this contract]*

I understand that any misrepresentation or omission in this Form may:

(a) be taken into consideration during Bid evaluation;

(b) result in my disqualification from participating in the Bid;

(c) result in my dismissal from the contract.

Name of Contractor's Representative or **Key Personnel: [*insert name*]**

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Bidder:

Signature: _____

Date: (day month year): _____

Form CON – 2

Historical Contract Non-Performance, Pending Litigation and Litigation History

Bidder's Name: _____
Date: _____

Non-Performed Contracts in accordance with Qualification Criteria			
☐ Contract non-performance did not occur January *[insert year]* ☐ Contract(s) not performed since [*insert year]*			
Year	**Non-performed portion of contract**	**Contract Identification**	**Total Contract Amount (current value, currency, exchange rate and PKR equivalent)**
		Contract Identification: Name of Procuring agency/Employer (PA): Address of PA: Reason(s) for nonperformance:	
Pending Litigation, in accordance with Qualification Criteria			
☐ No pending litigation ☐ Pending litigation			

Note: Any relevant details must be provided

Financial Situation

Form FIN – 3.1:

Financial Situation and Performance

Bidder's Name: _____
Date: _____

1. Financial data

Type of Financial information in (currency)	**Historic information for previous _____ *years,* _____ (amount in currency, currency, exchange rate*, PKR equivalent)**				
	Year 1	Year 2	Year 3	Year4	Year 5
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

*Refer to ITB 16 for the exchange rate

2. Sources of Finance

Specify sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.

No.	Source of finance	Amount (PKR)
1		
2		
3		

2. Financial documents

The Bidder and its parties shall provide copies of financial statements for **last *03* years** pursuant to Evaluation and Qualifications Criteria, Sub-factor 3.1. The financial statements shall:

(a) be independently audited or certified in accordance with local legislation.

(b) be complete, including all notes to the financial statements.

(c) correspond to accounting periods already completed and audited.

☐ Attached are copies of financial and audited statements for the **last *03* years** required above; and complying with the requirements

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Form FIN – 3.2:

Average Annual Construction Turnover

Bidder's Name: _____

Date: _____

Year	**PKR equivalent**
[indicate year]	
Average Annual Construction Turnover *	

* See Section III, Evaluation and Qualification Criteria.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Form FIN – 3.4:

Ongoing Contract Commitments / Works in Progress

Bidders should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Current Contract Commitments					
No.	**Name of Contract**	**Procuring agency/Employer's Contact Address, Tel, Fax**	**Value of Outstanding Work [PKR Equivalent]**	**Estimated Completion Date**	**Average Monthly Invoicing Over Last Six Months [PKR/month)]**
1					
2					
3					
4					
5					

EXPERIENCE

Form EXP - 4.1

General Construction Experience

Bidder's Name: _____
Date: _____

Starting Year	Ending Year	Contract Identification	Role of Bidder
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of PA: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of PA: _____ Address:	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of PA: _____ Address: _____	

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Form EXP - 4.2(a)

Similar Construction and Contract Management Experience

Bidder's Name: _____
Date: _____

Similar Contract No.	**Information**		
Contract Identification			
Award date			
Completion date			
Role in Contract	Prime Contractor ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount		PKR equivalent	
If member in a JV or sub-contractor, specify participation in total Contract amount			
PA's Name:			
Address: Telephone/fax number E-mail:			

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Form EXP - 4.2(a) (cont.)
Specific Construction and Contract Management Experience (cont.)

Similar Contract No.	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	
2. Physical size of required works items	
3. Complexity	
4. Methods/Technology	
5. Construction rate for key activities	
6. Other Characteristics	

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Section IX. Spécial Conditions of the Contrat

Special Conditions of the Contract

The Special Conditions of Contract (SCC) complement the General Conditions of Contract (GCC) to specify data and contractual requirements of the Procuring agency/Employer/ Employer, the engineer, the sector, the overall project, and the works. In the event of a conflict, the provisions herein shall prevail over those in the GCC.

Part A – Contract Data

Contract data of the SCC, includes data to complement the GCC in a manner similar to the way in which the Bid Data Sheet complements the Instructions to Bidders.

SCC Clause Number	GCC Clause Number	Amendments of, and Supplements to, Clauses in the GCC
General Provision (GCC 1)		
1.	1.3	**For notices** Procuring agency/Employer/ Engineer's Authorized representatives name and address: **Office of Director P&D, Air University E-9 Campus Islamabad.**
2.	1.4	**Governing Law;** The Applicable Law shall be: Laws of the Islamic Republic of Pakistan
3.	1.4	**Communication Language:** The Communication Language shall be: English
The Employer/ Procuring agency/Employer (GCC Clause 2)		
5.	2.1	Time for access to the Site: Within 07 days after issuance of Work Order
The Engineer (GCC Clause 3)		
6.	3.2	Engineer's Duties and Authority: Variations resulting in an increase of the Accepted Contract Amount in excess of **15%** shall require approval of the Procuring agency/Employer.
The Contractor (GCC Clause 4)		
7.	4.2	Performance guarantee/ security will be in the form of a Bank Guarantee (issued by Islamabad based scheduled bank) equal to 10% percent of the Contract Price.
8.	4.7.2(a)	**(Not used)**

Commencement, Delays and Suspension (GCC Clause 8)		
9.	8.8	Delay damages shall be payable for each day of delay shall be ***Rs.0.010%/- per day***, Maximum amount of delay damages is *10*% of the Contract Price.
Measurement and Valuation (GCC Clause 12)		
10.	12.2	Method of measurement shall be: *Joint measurement by Employe's and contractor's representatives (Measurement units: RFT, SFT, CFT, KG ,Nos, Jobs etc.)*
Variations and Adjustments (GCC Clause 13)		
11.	13.4 (b)(ii)	(Not applicable)
12.	13.7	(Not applicable)
Contract Price and Payment (GCC Clause 14)		
13.	14.3(iii)	Percentage of retention money: 10% *of Each Interim payment certificate (IPC)* Limit of Retention Money: 7%
14.	14.7b(i)	Period for the Procuring agency/Employer to make interim payments to the Contractor under Sub-Clause 14.6 (interim Payment): 30 days
15.	14.7b(ii)	Period for the Procuring agency/Employer to make interim payments to the Contractor under Sub-Clause 14.13 (Final Payment) 50 days
16.	14.15	**Currencies of Payment: Pakistani Rupees**
17.	17.2 (d)	**Defect Liability Period** In these Conditions the expression "Defects Liability Period" shall mean the defects liability period calculated from: (a) **365 days** from the date of completion of the Work and completion certificate issued by the employer.

SECTION VIII: CONTRACT FORMS

Form of Contract

THIS AGREEMENT made the _____ day of _____ 2026 between **Air University, E-9 Islamabad Campus** (hereinafter called "the Procuring agency/Employer") of the one part and *[name of Contractor]* of *[city and country of Contractor]* (hereinafter called "the") of Contractor other part:

WHEREAS the Procuring agency/Employer desired that the works **"Construction of Library and Class Rooms Block at Air University H-11, campus Islamabad"** should be executed by the contractor, and has accepted a Bid by the contractor for the execution and completion of these works and remedying of any defects therein, in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below: -

   (a) This form of Contract;
   (b) Letter of Acceptance;
   (c) the Form of Bid and the Price Schedule submitted by the Bidder;
   (d) the Works Requirements;
   (e) the Technical Specifications;
   (f) the Drawings;
   (g) the General Conditions of the Contract
   (h) the Special Conditions of Contract,
   (i) the completed schedule including Bill of Quantities; and

3. In consideration of the payments to be made by the Procuring agency/Employer to the contractor as mentioned in this contract, the contractor hereby covenants with Procuring agency/Employer to execute the works to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring agency/Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____the _____ (for the Procuring agency/Employer)	Signed, sealed, delivered by _____the _____ (for the Contractor)
Witness to the signatures of the Procuring agency/Employer ……	Witness to the signatures of the Contractor ……

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Performance Guarantee Form

To: ***Air University, E-9 Islamabad Campus***

WHEREAS *[name of Contractor]* (hereinafter called "the contractor") has undertaken, in pursuance of Contract No. IBD/AU/P&D/04/2026 dated *[insert date]* for the execution of "**Construction of Library and Class Rooms Block at Air University H-11, Campus Islamabad**" *(*hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the contractor shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Contractor's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor a guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Contractor, up to a total of *[amount of the guarantee in words and figures],* and we undertake to pay you, upon your first written demand declaring the Contractor to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date]

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: _____ Dated: _____
Contract Value: _____
Contract Title: _____

[Name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [Name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fee etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Contractor] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Contractor] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Contractor] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of

Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

_____	_____
[Procuring agency/Employer]	[Contractor]

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

CONSTRUCTION OF
LIBRARY & CLASSROOM BLOCK
AT AIR UNIVERSITY H-11 CAMPUS

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LIST OF APPROVED MANUFACTURERS

(To be signed by the Bidder)

The Contractor should note that only material from those manufacturers specified in the list of approved manufacturers shall be allowed to be used on this Project. The Contractor shall submit literature/ catalogue/ samples etc. of all the items from each of the specified manufacturer to the Engineer / Employer who shall then decide and approve the sample and the manufacturer. Where the item involves any finishes such as paints, external coatings, etc. the Contractor shall erect mock-up samples of the specified manufacturers for the selection and approval of the Engineer/Employer.

Onus lies with the Contractor for establishing the genuineness of any material/product item for its make and origin as specified below:-

A: CIVIL & ARCHITECTURAL FINISHING WORKS:

S. No.	ITEM		MANUFACTURER
1	FINE AND COURSE AGGREGATES	i	LAWRENCEPUR AND MARGALA.
2	PAINTS / WEATHER SHIELD	i	M/S JOTUN OR AS APPROVED BY THE EMPLOYER
3	HARDWARE, LOCKS AND HANDLES	i	SMC OR AS APPROVED BY THE EMPLOYER
4	PORCELAIN TILES CERAMIC TILES	i ii iii	MASTER, SHABBIR, BENITOZ (LOCAL), OR AS APPROVED BY THE EMPLOYER
5	CONCRETE FLOOR TILES, PAVERS & PAVING BLOCKS	i	ENVICRETE (PVT.) LTD. OR EQUIVALENT
6	STEEL REINFORCEMENT	i	FAZAL STEEL OR EQUIVALENT AS APROVED BY THE EMPLOYER (INCLUDING LAB TESTS FOR PARAMETERS)
7	WATER PROOFING	i	HENKEL POLY BIT/DERMABIT/ROOF GRIP OR EQUIVALENT AS APROVED BY THE EMPLOYER
8	GLASS	i	GHANI OR EQUIVALENT
9	ALUMINIUM WINDOWS	i	LUCKY OR EQUIVALENT AS APROVED BY THE EMPLOYER
10	FALSE CEILING 4'X8'	i	ELEPHANT THILAND OR EQUIVALENT
11	FALSE CEILING 2'X2'	i	IRSH / BORAL OR EQUIVALENT
12	MDF SHEET	i	AL-NOOR OR EQUIVALENT
13	uPVC Doors	i	AVT OR EQUIVALENT
14	bituminous waterproofing membrane	i	ROOF GRIP OR EQUIVALENT

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B: ELECTRICAL WORKS: DETAIL OF DESCRIPTION & CAT. NO. SHOWN IN BOQ SECTION

S. No.	ITEM		MANUFACTURER
1	LT CABLES AND WIRES	i ii iii	PAKISTAN CABLES, NEWAGE CABLES, FAST CABLES OR EQUIVALENT AS PROVED BY THE EMPLOYER
2	HT CABLES	i	PAKISTAN CABLES, OR EQUIVALENT AS PROVED BY THE EMPLOYER
3	HT TERMINATION KIT		RAYCHEM, (GERMANY) 3M (GERMANY) OR EQUIVALENT AS APROVED BY THE EMPLOYER
4	CABLE TRAY / TRUNKING	i ii iii	POWER TECH, ASHRAF INDISTRIES, TECHMEN, OR EQUIVALNET AS APROVED BY THE
5	BACK BOXES / PULL BOXES	i ii	HUSSAIN AND CO. KARACHI OR EQUIVALENT AS APROVED BY THE EMPLOYER
6	PVC CONDUTS AND ACCESSORIES	i ii iii	BETA PIPE, PLASCO, DADEX OR EQUIVALNET AS APROVED BY THE EMPLOYER
7	STEEL CONDUCIT AND ACCESSORIES	i ii	INTERNATIONAL INDUSTRIES KARACHI, BETA OR PLASCO OR EQUIVALNET AS APROVED BY THE EMPLOYER
8	SWITCHES SOCKET/OUTLETS ETC.	i ii iii	CLIPSAL / SCHINIDER ABB, LEGRAND OR EQUIVALENT AS APROVED BY THE EMPLOYER
9	LV SWITCHGEAR / DISTRIBUTION BOARDS	i ii iii iv v	POWER TECH, BILAL SWITCHGEAR, JEI, MIBS ENGINEERING OR EQUIVALENT AS APROVED BY THE EMPLOYER
10	CIRCUIT BREAKERS (ACB, MCCB, MCB)	i ii	SCHNEIDER, ABB, OR EQUIVALENT AS APROVED BY THE EMPLOYER
11	VOICE TELEPHONE / DATA STRUCTURED CABLING SYSTEM (COMPUTER NETWORKING SYSTEM)	i ii iii	SCHNEIDER PANDUT 3M OR EQUIVALENT AS PROVED BY THE EMPLOYER
12	LIGHT FIXTURES	i ii iii	PHILIPS FUTURE TECHNOLOGY, SUNLIGHT OR EQUIVALENT OR AS APROVED BY THE EMPLOYER

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13	TRANSFORMERS	i	PEL - PAKISTAN OR EQUIVALENT AS APROVED BY THE EMPLOYER
14	CEILING / EXHAUST FANS	i ii iii	LAHORE FANS PAK FANS GFC FANS
15	PUBLIC ADDRESS SYTEM	i ii	TOA - CHINA (LOCAL MARKET) BOSCH - GERMANY (LOCAL MARKET) OR EQUIVALENT OR AS APROVED BY THE EMPLOYER
16	CCTV / AUDIO VISUAL SYSTE	i ii iii	HONEY WELL BOSCH TOA OR EQUIVALENT AS APROVED BY THE EMPLOYER
17	UPS	i ii iii iv	APC SCHNEIDER EMERSON, GE MG OR EQUIVALENT OR AS APROVED BY THE EMPLOYER
18	DIESEL GENERATOR		CATER PILLAR (UK) FG WILSON CUMMINS POWER
19	A/C UNITS	i ii iii	MIDEA, SAMSUNG, OR EQUIVALENT OR AS APROVED BY THE EMPLOYER
20	HT PANNELS	i ii	TARIQ ELECTRIC BILAL SWITCHGEAT OR EQUIVALENT
21	GI SHEET	i	PAKISTAN STEEL, OR EQUIVALENT
22	PUMPS	i	KSB , OR EQUIVALENT
23	DUCT AND PIPE INSULATION	i ii	KIMMCO, AFICO, OR EQUIVALENT
24	FAN COIL UNIT	i ii	DAIKIN, GREE, SABIANA, OR EQUIVALENT
25	AIR DEVICES	i	SHAN INDISTRY, OR EQUIVALENT
26	AIR HANDLING UNIT	i ii	TRANE, CARRIER, OR EQUIVALENT
27	ALL OTHER EQUIPMET / MATIRAL OTHER THAN STATED ABOVE		APPROVED BY THE ENGINEER INCHARGE.

C: PLUMBING WORKS:

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S. No.	ITEM		MANUFACTURER
1	WC (WESTERN)	i	PORTA OR EQUIVALENT
2	WC (EASTERN)	i	PORTA OR EQUIVALENT
3	MUSLIM SHOWER	i	FAISAL - PAKISTAN OR EQUIVALENT
4	WASH BASIN VANITY	i	PORTA OR EQUIVALENT
5	TEE STOP COCK, BIB COCK DOUBLE OR SINGLE	i	FAISAL - PAKISTAN OR EQUIVALENT
6	BASIN MIXTURE	i	FAISAL - PAKISTAN OR EQUIVALENT
7	BATH SHOWER.	i	FAISAL - PAKISTAN OR EQUIVALENT
8	FLOOR DRAIN GRATING STAINLESS STEEL / CLEAN OUT / MANHOLES COVER	i	APLINE / JAWS TECH ENGG.OR EQUIVALNET
9	TOWEL RAIL	i	MASTER, FAISAL PAKISTAN OR EQUIVALNET
10	TOILET PAPER HOLDER	i	MASTER, FAISAL PAKISTAN OR EQUIVALNET
11	CLOTH HOOK	i	MASTER, FAISAL PAKISTAN OR EQUIVALNET
12	WASTE RECEPTALE	i	IMPORTED CHINA OR EQUIVALENT
13	LIQUID DISPENSER	i	AS APPROVED
14	KITCHEN SINK / MIXTURE / SINK DRAIN	i	AS APPROVED BY THE CLIENT
15	PIPING EXTERNAL EXPOSED - GI	i	IIL, KARACHI OR EQUIVALENT
16	WATER SUPPLY PIPE INTERNAL /CONCEALED - PPRC	i	RAK - THERAM UAE/ HYDROPLAST –GERMNAY / COSMOPLAST UAE OR EQUIVALENT
17	SOIL WASTE VENT PIPE UPVC SOLVENT JOINT	i	AGM SAUDI ARABIA OR EQUIVALNET
18	DRAINAGE PIPING EXTERNAL UPVC SOLVENT JOINT	i	AGM SAUDI ARABIA OR EQUIVALNET
19	GAS SUPPLY PIPE UG EXTERNAL MS PIPE SCHEDULE 40	i	HAFFAZ/ ECONOSTO / IIL OR EQUIVAOENT
20	VALVES - BRASS / BRONZE / CI	i	ECONOSTO / KITS OR EQUIVALENT
21	MANHOLE COVER / GRATING -CAST IRON	i	SUPER ALPINE / JAWS OR EQUIVALENT
22	WATER TRAMSER PUMPS / HOT WATER RE-CIRCULATION PUMPS ,INLINE PUMP	i	KSB / SIEMENS OR EQUIVALNET
23	WATER GEYSEARS , WATER COOLER & COOKING RANGE	i	NAS GAS / VENUS OR EQUIVALENT

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D: FIRE FIGHTING & FIRE ALARM SYSTEM

S. No.	ITEM		MANUFACTURER
1	MS PIPE, ,WATER JET NOZZLE, SPRAY FOG NOZZLE, FIRE,	i	HASEEN HABIB, FIRE CHIEF, HUFFAZ OR EQUIVALENT.
2	GATE VALVE FLANGE TYPE, BRASS BALL VALVES, NON RETURN VALVE,	i	KITS, ECONOSTO OR EQUIVALENT.
3	FIRE EXTINGUISHER PORTABLE, FIRE HOSE CABINET	i	NAFFCO - UAE OR EQUIVALENT
4	FIRE ALARM	I Ii iii	SIMPLEX, HONEY WELL, GENT, COOPER / ETON OR EQUIVALENT

Note:

ALL OTHER ITEMS, EQUIPMET / MATIRAL OTHER THAN STATED ABOVE CONTRACTOR WILL SUBMIT THE SAMPLES FOR OFFICIAL APPROVAL FOR THE SUBJECT ITEM BEFORE EXECUTION THE WORK.

Authorized Signature and official Seal: _____

Name: _____

Date: _____

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SEWERAGE

Working Drawings List

SEW-1/7 LEGEND AND NOTES

SEW-2/7 LOWER FLOOR SEWERAGE PLAN

SEW-3/7 UPPER GROUND FLOOR SEWERAGE PLAN

SEW-4/7 FIRST FLOOR SEWERAGE PLAN

SEW-5/7 SECOND FLOOR SEWERAGE PLAN

SEW-6/7 TYPICAL DETAIL OF MANHOLE AND TRAPS

SEW-7/7 TYPICAL DETAIL OF SEPTIC TANK & SUMP

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SEWERAGE DRAWINGS

GENERAL NOTES:

1. ALL INTERNAL HORIZONTAL SOIL PIPES OF 4"Ø UPVC MAKE (BEST QULALILTY AND OF APPROVED FIRM) BE USED.
2. ALL INTERNAL HORIZONTAL WASTE PIPES OF 3"Ø UPVC SPECIFIED.
3. 2" Ø UPVC VENTILATING STACK BE CONNECTED TO SOIL PIPE UP TO 7'-0" HEIGHT.
4. SOIL,WASTE AND VENT PIPES INSIDE THE BULIDING BE LAID WITH PUSH ON JOINTS.
5. INVERT LEVEL BE ADJUSTED AS PER SITE CONDITIONS.
6. MINORS ADJUSTMENT MAY BE DONE AS PER SITE CONDITIONS

MAKE (BEST QUALITY AND OF APPROVED FIRM) BE USED UNLESS

RECOMMENDED PIPES SLOPE	
PIPE SIZE (DIA)	SLOPE RATIO
2"	1 IN 30
3" & 4"	I IN 48 TO 1 IN 72
6"	1 IN 150
8"	1 IN 200

LEGEND		
1.	UPVC SOIL PIPE	(6" Ø) (4" Ø)
2.	UPVC WASTE PIPE	(3" & 4" Ø) (2" Ø)
3.	FLOOR TRAP	FT
4.	GULLY TRAP	GT
5.	GREASE TRAP	GRT
6.	SOIL WATER MANHOLE	
7.	WASTE WATER MANHOLE	
8.	WATER CLOSET (ENGLISH)	
9.	WATER CLOSET (ASIATIC)	
10.	WASH HAND BASIN (VANITY)	
11.	WASH HAND BASIN (PEDESTAL)	
12.	CLEAN OUT PIPE	COP
13.	SOIL PIPE	SP
14.	WASTE PIPE	WP
15.	VENT PIPE	VP

PROJECT.

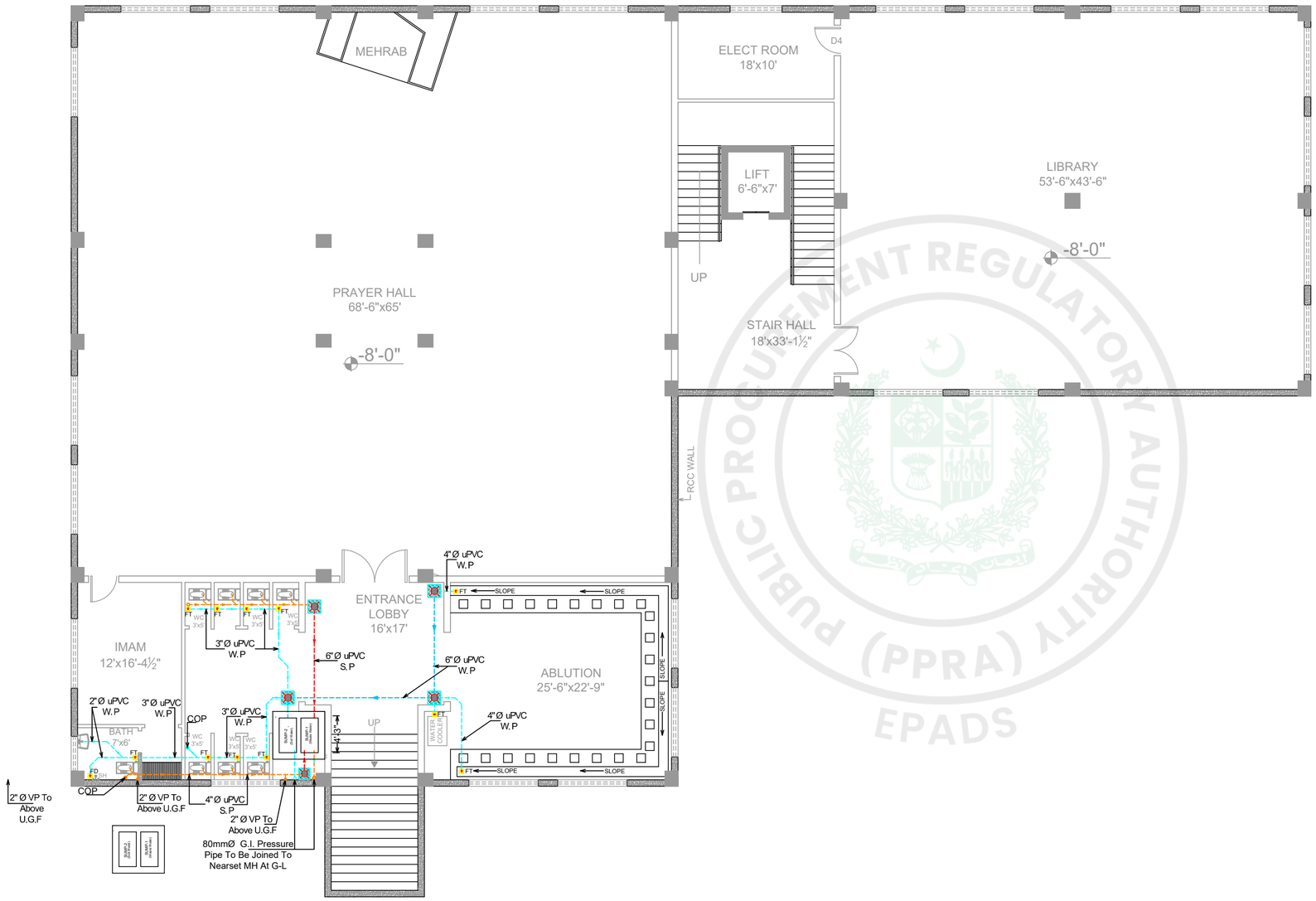
AIR UNIVERSITY ISLAMABAD
LIBRARY BLOCK

SHEET TITLE
LEGEND AND NOTES

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	SEW-01/07	20 OCT 2026

WD
We Design
Consulting Engineer, Engineering Advisors
House No.24, Street No.06 Sector-D DHA Phase-I Islamabad
Telephone No: 051-5138183, Cell No: 0332-5477881
Email: atnmpk@yahoo.com

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LOWER GROUND FLOOR SEWERAGE PLAN

PROJECT.

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LIBRARY BLOCK

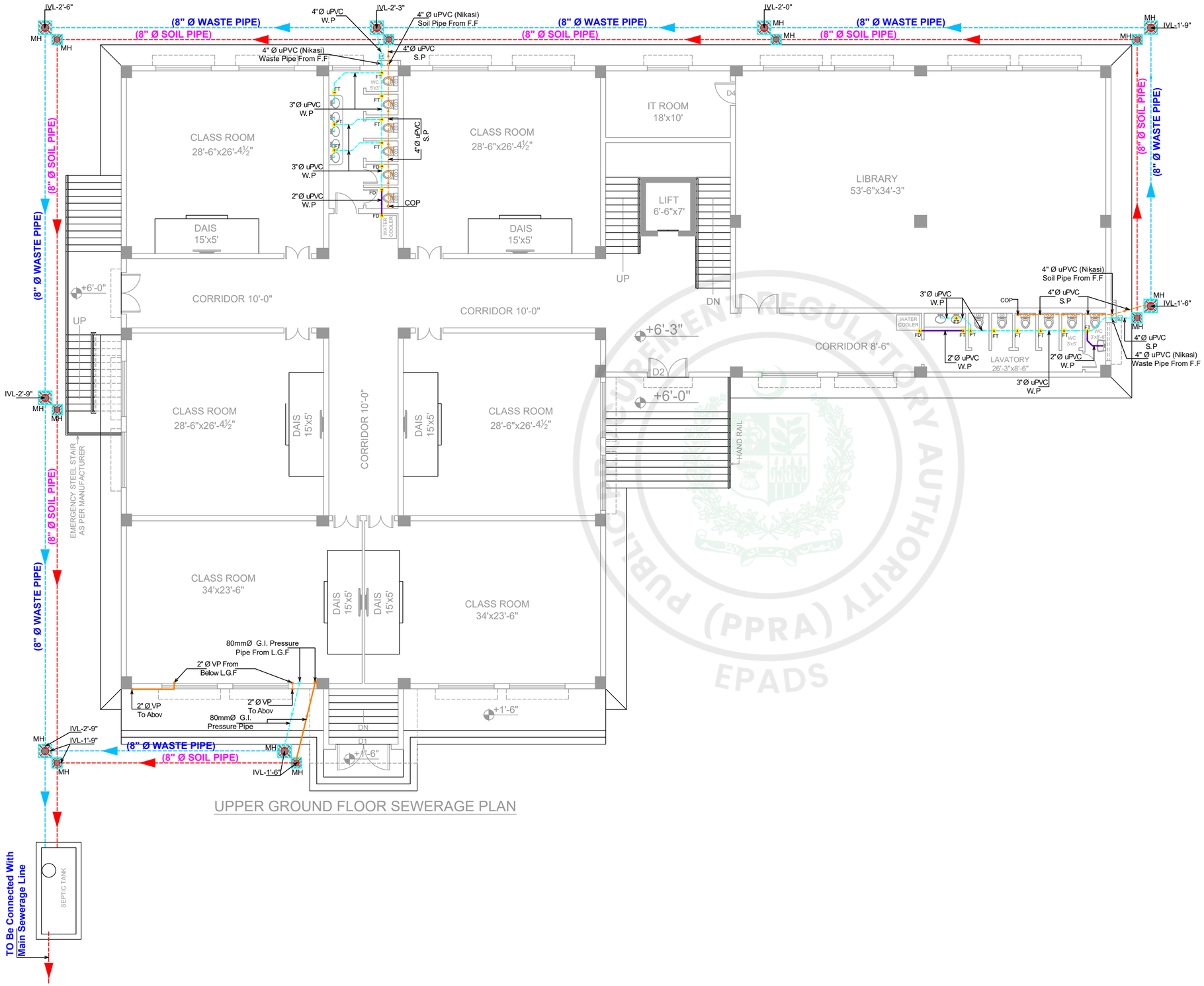
SHEET TITLE

LOWER GROUND FLOOR SEWERAGE PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	SEW-02/07	20 OCT 2026

WD
We Design
Consulting Engineer, Engineering Advisors
House No.24, Street No.06 Sector-D DHA Phase-I Islamabad
Telephone No: 051-5138183, Cell No: 0332-5477881
Email: atnmpk@yahoo.com

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



UPPER GROUND FLOOR SEWERAGE PLAN

PROJECT.

AIR UNIVERSITY ISLAMABAD LIBRARY BLOCK

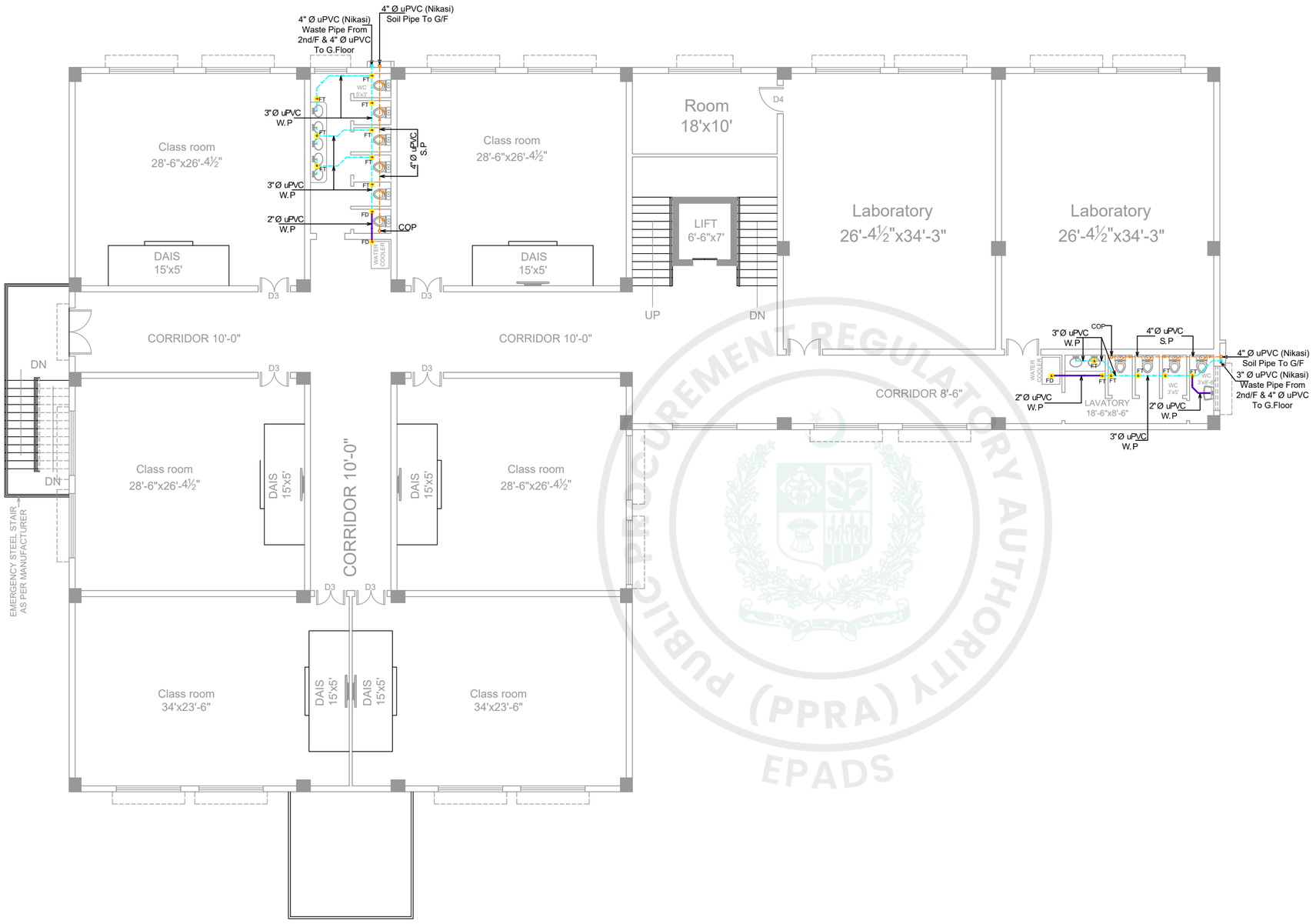
SHEET TITLE

UPPER GROUND FLOOR SEWEAGE PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	SEW-03/07	20 OCT 2026

WD
We Design
Consulting Engineer, Engineering Advisors
House No.24, Street No.06 Sector-D DHA Phase-I Islamabad
Telephone No: 051-5138183, Cell No: 0332-5477881
Email: atnmpk@yahoo.com

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



FIRST FLOOR SEWERAGE PLAN

PROJECT.

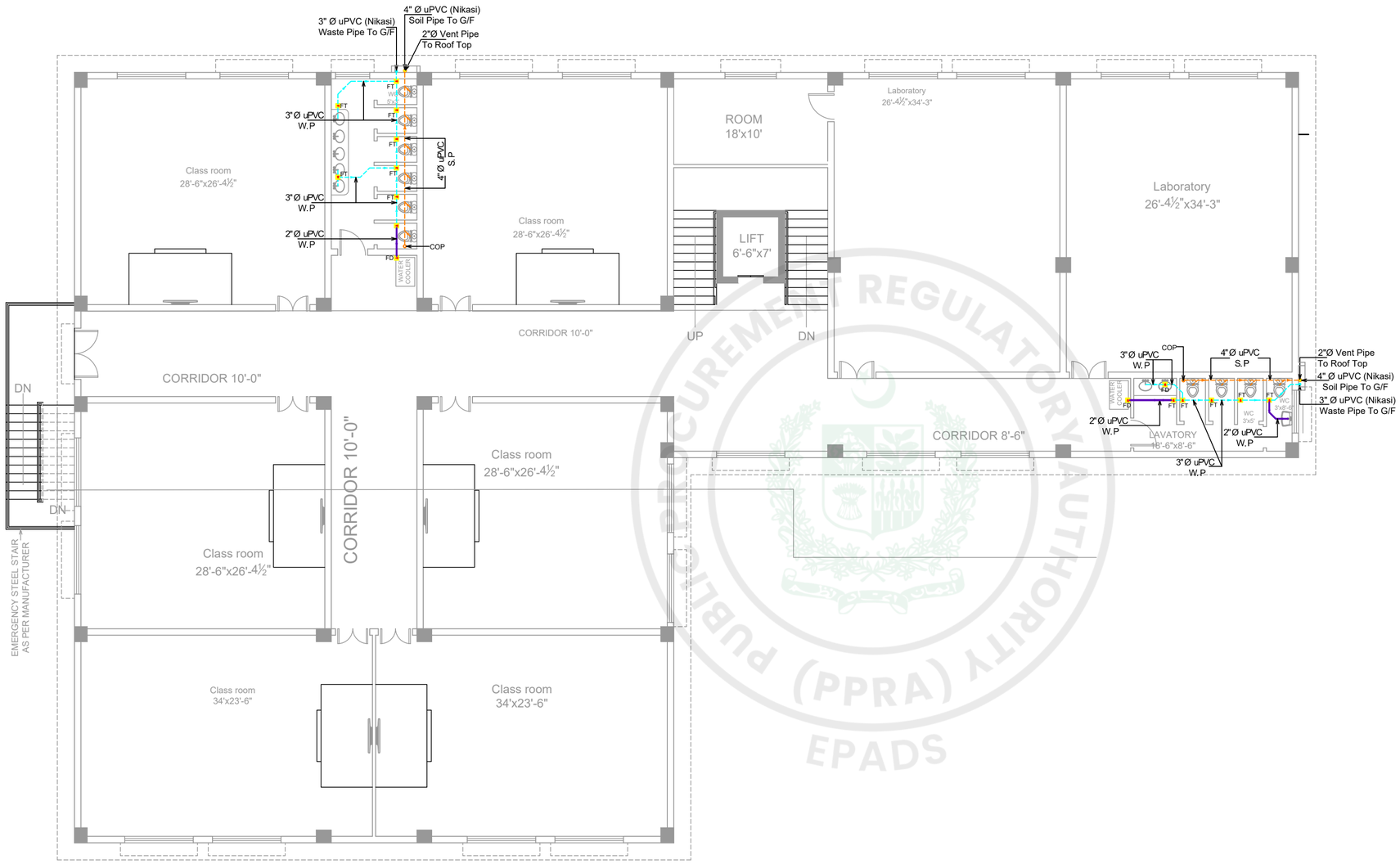
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LIBRARY BLOCK

SHEET TITLE: FIRST FLOOR SEWERAGE PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	SEW-04/07	20 OCT 2026

WD
We Design
Consulting Engineer, Engineering Advisors
House No.24, Street No.06 Sector-D DHA Phase-I Islamabad
Telephone No: 051-5138183, Cell No: 0332-5477881
Email: atnmpk@yahoo.com

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



2nd FLOOR SEWERAGE PLAN

PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

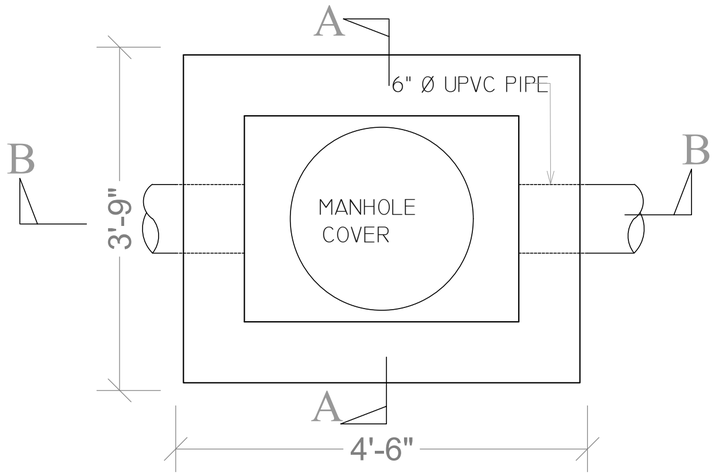
PROJECT.

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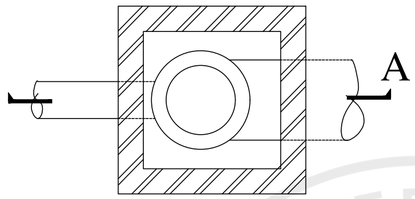
SHEET TITLE: SECOND FLOOR SEWERAGE PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	SEW-05/07	27 SEP 2026

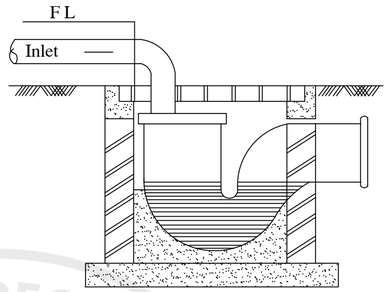
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PLAN

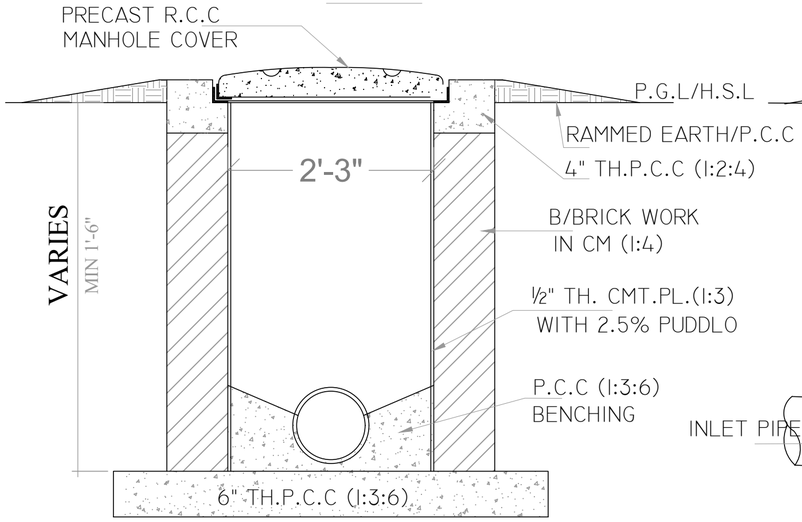


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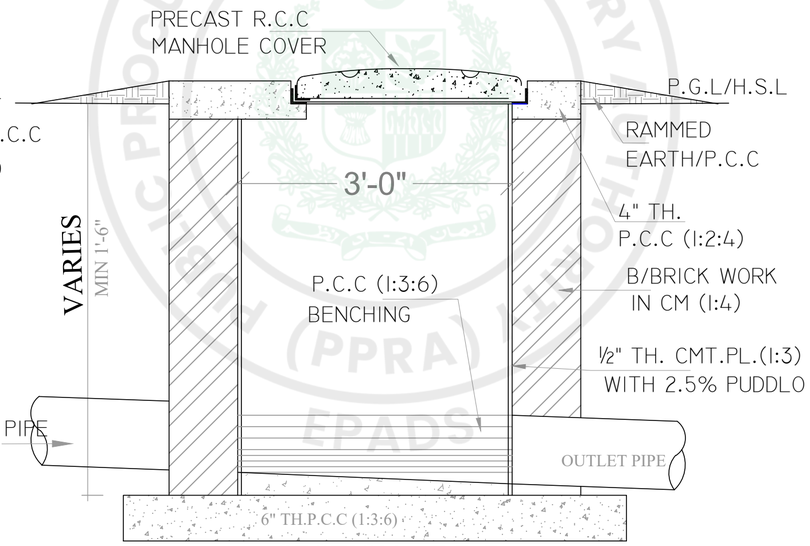


Section A-A

TYPICAL DETAIL OF GULLY TRAP



SECTION AT A-A



SECTION AT B-B

TYPICAL DETAIL OF MANHOLE

PROJECT.

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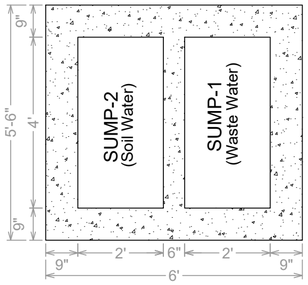
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TYPICAL DETAIL OF MANHOLE AND GULLY TRAP

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	SEW-06/07	20 OCT 2026

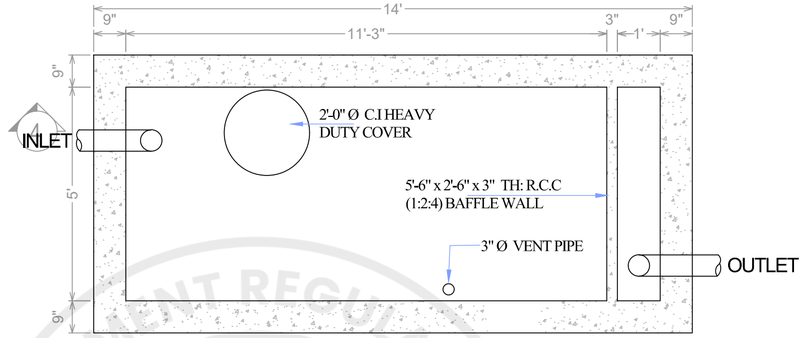
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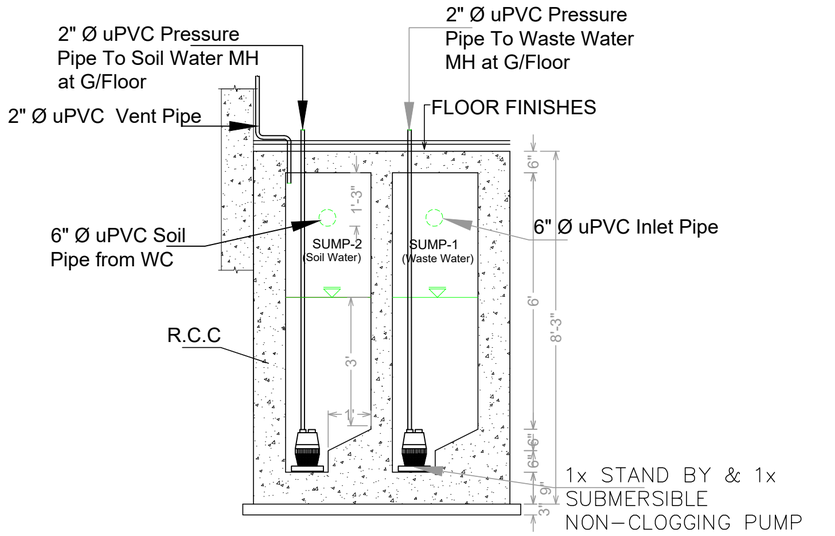
TYPICAL DETAIL OF SEPTIC TANK



PLAN OF SUMP

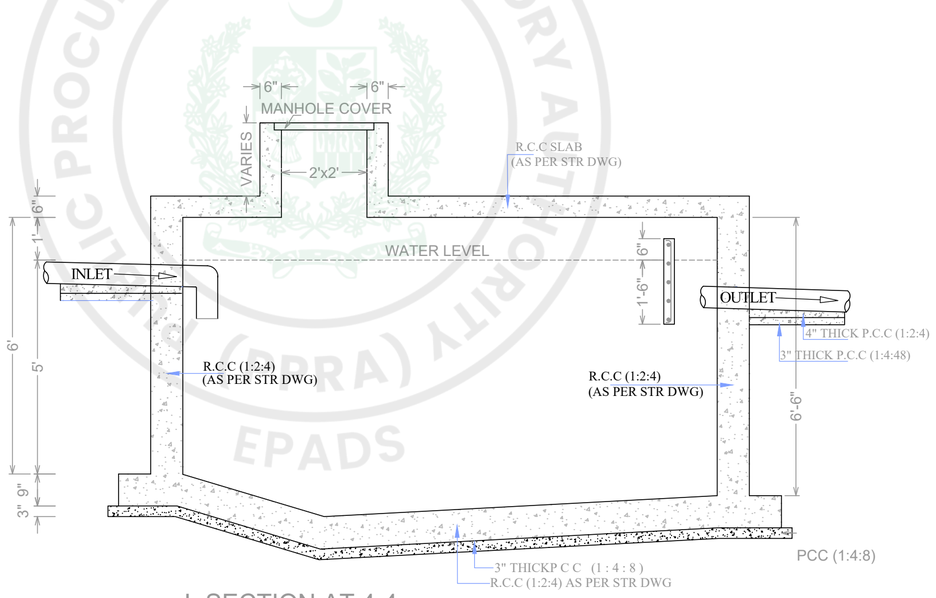


PLAN OF SEPTIC TANK



X SECTION AT 3-3

1x STAND BY & 1x SUBMERSIBLE NON-CLOGGING PUMP FLOW RATED 30 GPM, HEAD MINIMUM 18 FEET MOTOR CAPACITY = 0.5 HP



L SECTION AT 4-4

PROJECT.

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SHEET TITLE
TYPICAL DETAIL OF SEPTIC TANK & SUMP

DRAWING NO.	SHEET NO.	DATE.
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WATER SUPPLY

Working Drawings List

W.S-1/7 LEGEND AND NOTES

W.S-2/7 LOWER FLOOR WATER SUPPLY PLAN

W.S-3/7 UPPER GROUND FLOOR WATER SUPPLY PLAN

W.S-4/7 FIRST FLOOR WATER SUPPLY PLAN

W.S-5/7 SECOND FLOOR WATER SUPPLY PLAN

W.S-6/7 MUMTY WATER SUPPLY PLAN

W.S-7/7 COLD WATER RISER DIAGRAM

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

LEGEND

S / NO	DESCRIPTION	SYMBOL
1	COLD WATER PIPE [C.W.P]	
2	HOT WATER PIPE [H.W.P]	
3	CONTROL VALVE	
4	WATER CLOSET (EUROPEAN)	
5	WATER CLOSET (ASIATIC)	
6	WATER TAP POINT	
7	WASH HAND BASIN	
8	SHOWER point	
9	OVER HEAD WATER TANK	
10	GAS GEYSER	
11	FLOAT VALE	

NOTES

NOTES WATER SUPPLY

1- Vent G.I PIPE of 20mm Ø will be provided on each out let of over head water tank.

2- 80mm Ø wash out with valve will be provided in base pit of over head water tank.

3- Over flow 65mm Ø G.I PIPE will be provided on the oppsite wall of tank,25mm below the incoming G.I PIPE level.

4- Open running hot water pipe will insulated with thermopore pipe insulation or glass wool protection.

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

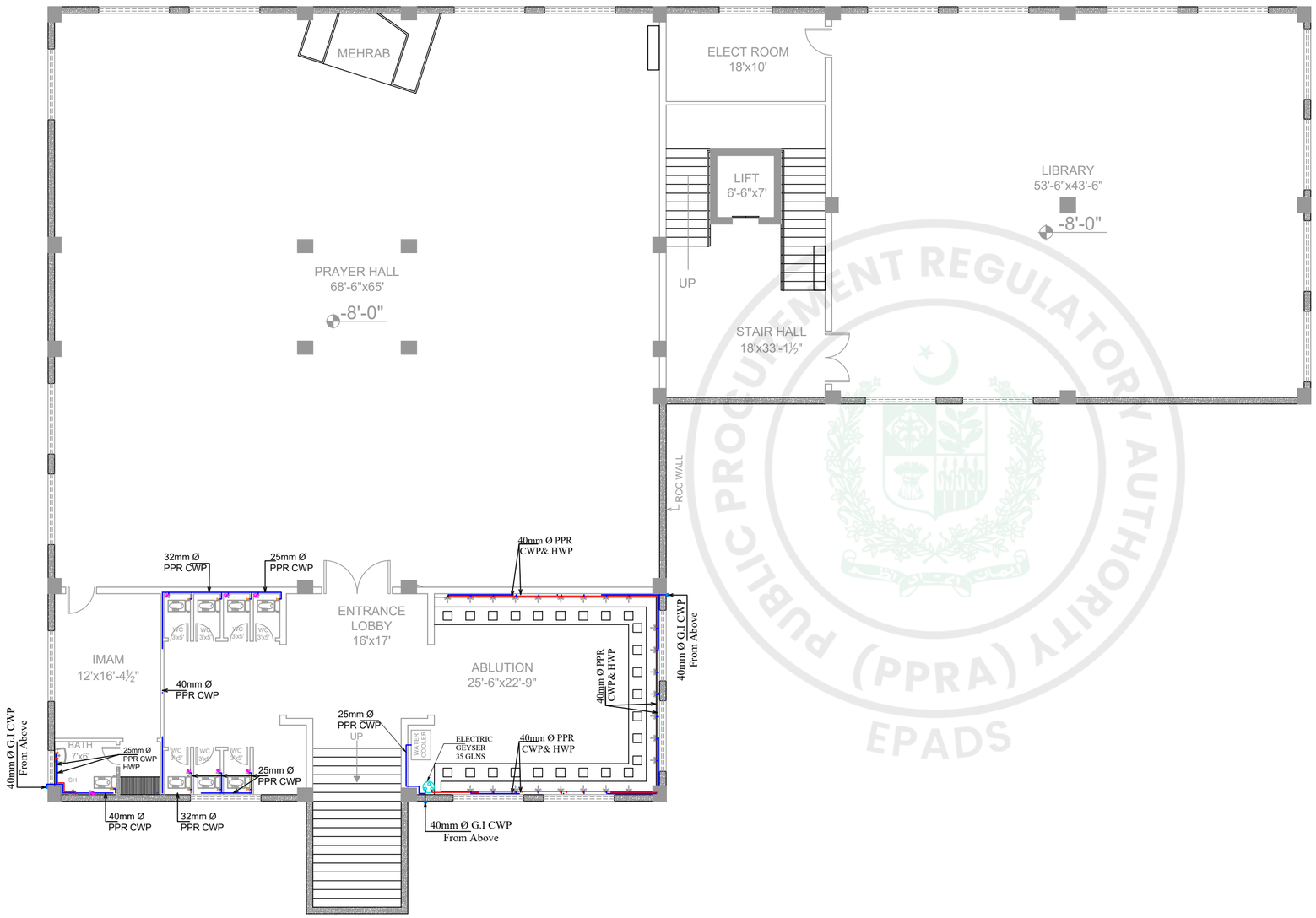
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SHEET TITLE: LEGEND AND NOTES

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LOWER GROUND FLOOR WATER SUPPLY PLAN

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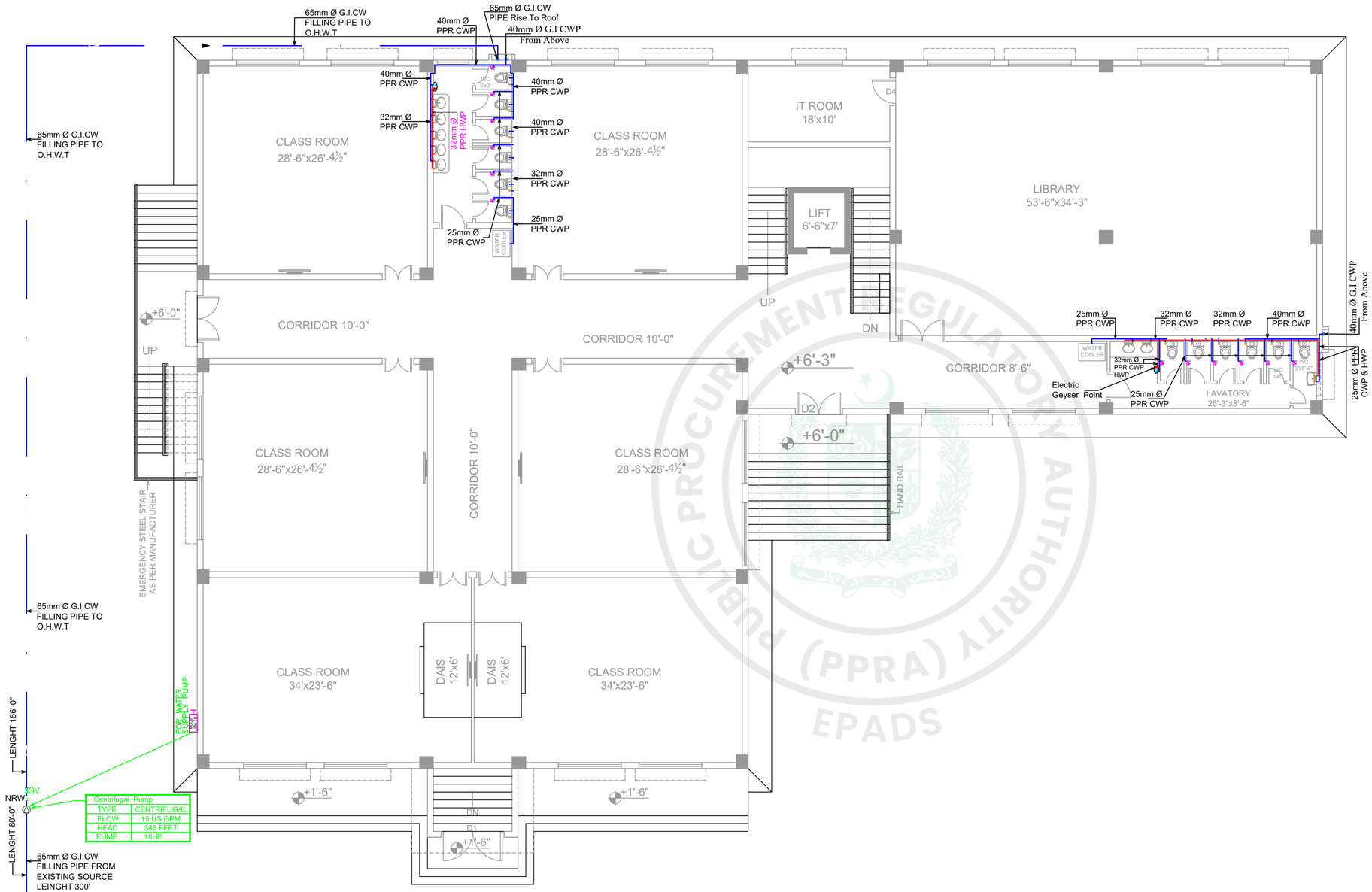
SHEET TITLE

LOWER GROUND FLOOR WATER SUPPLY PLAN

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INST/09-26	W.S-2/7	20 OCT 2026

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UPPER GROUND FLOOR WATER SUPPLY PLAN

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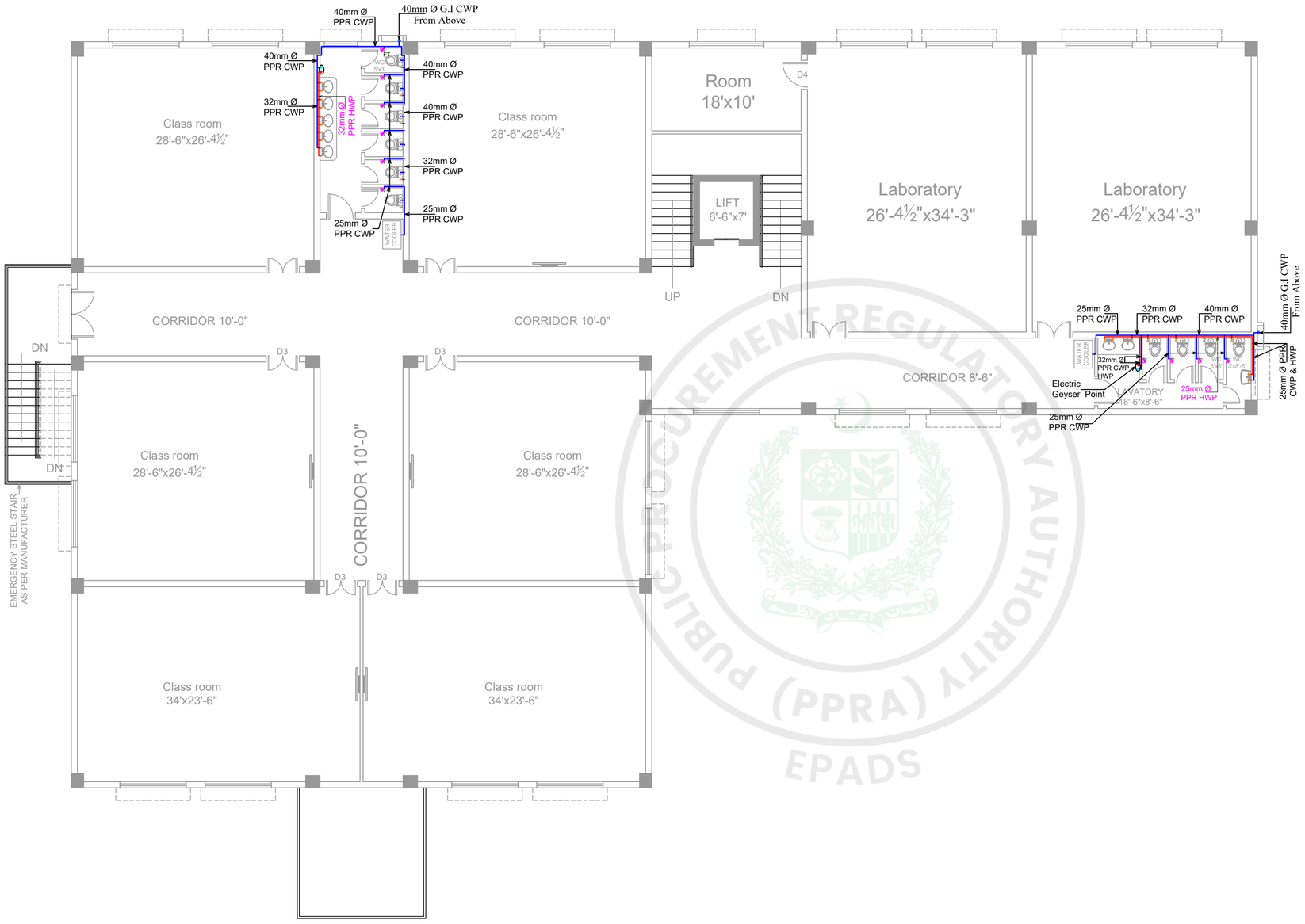
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UPPER GROUND FLOOR WATER SUPPLY PLAN

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FIRST FLOOR WATER SUPPLY PLAN

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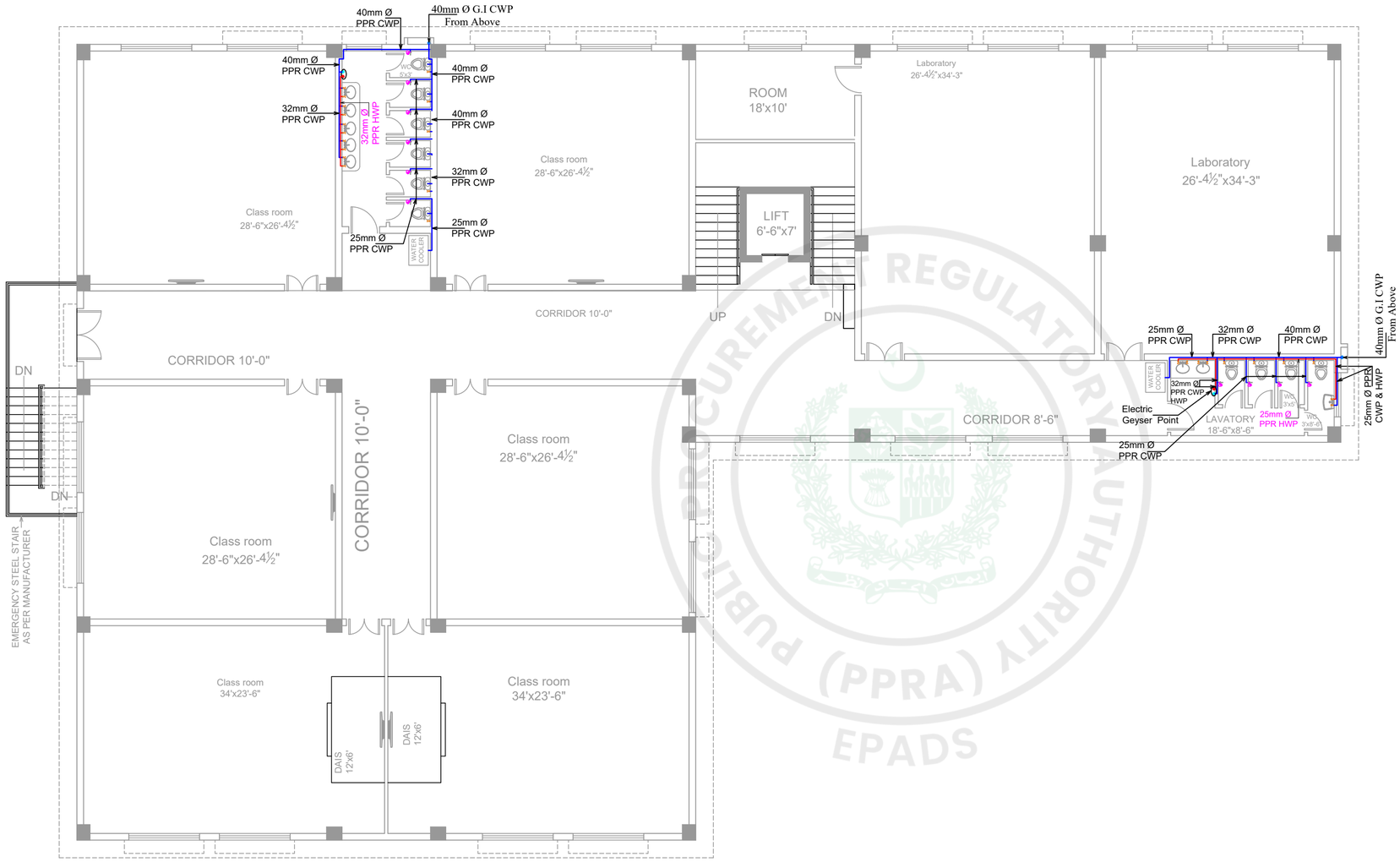
SHEET TITLE

FIRST FLOOR WATER SUPPLY PLAN

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INST/09-26	W.S-4/7	20 OCT 2026

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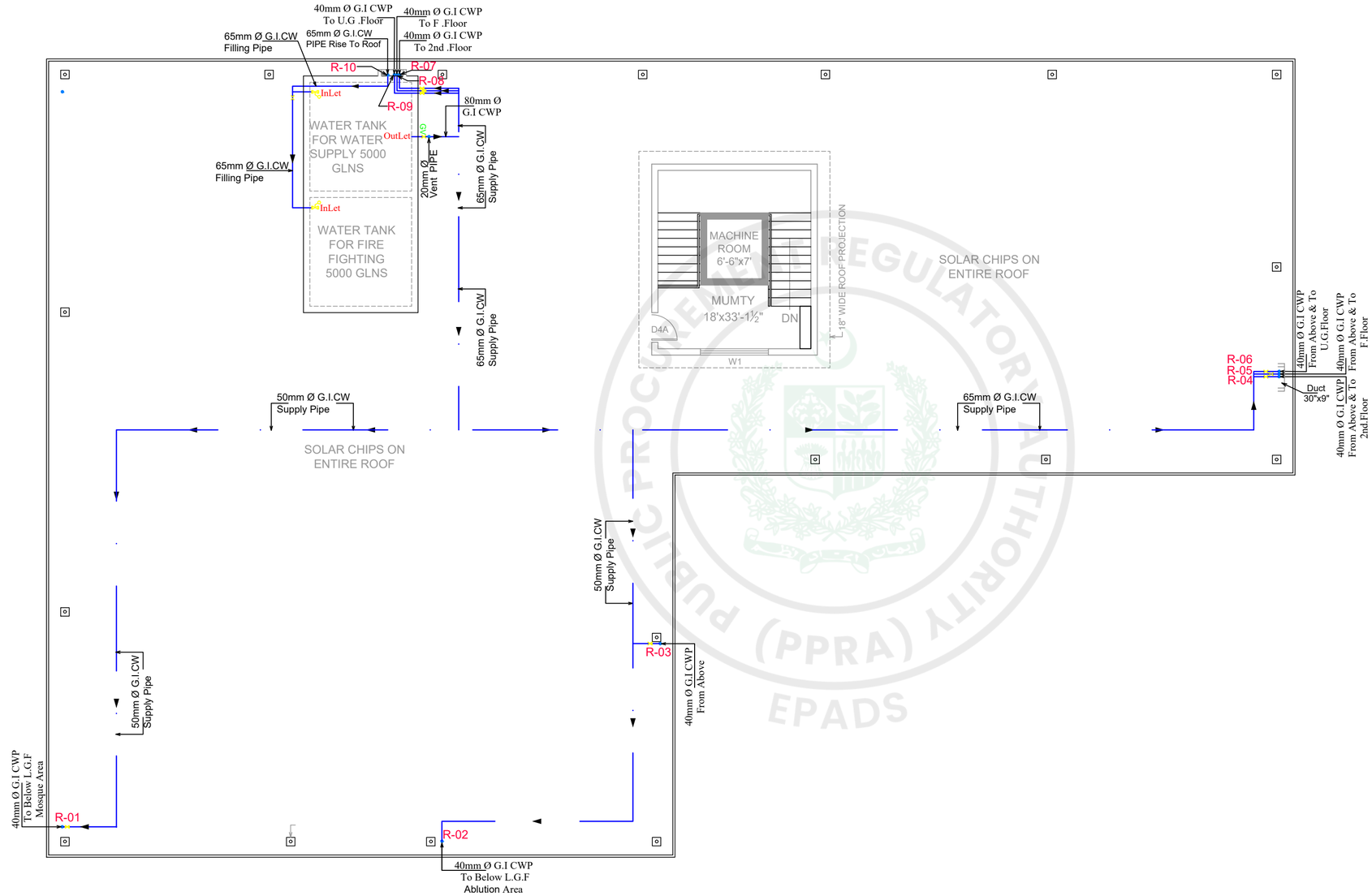


2nd FLOOR WATER SUPPLY PLAN

PROJECT.	AIR UNIVERSITY ISLAMABAD LIBRARY BLOCK
SHEET TITLE	SECOND FLOOR WATER SUPPLY PLAN
DRAWING NO.	INST/09-26
SHEET NO.	W.S-5/7
DATE.	20 OCT 2026

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MUMTY WATER
SUPPLY PLAN

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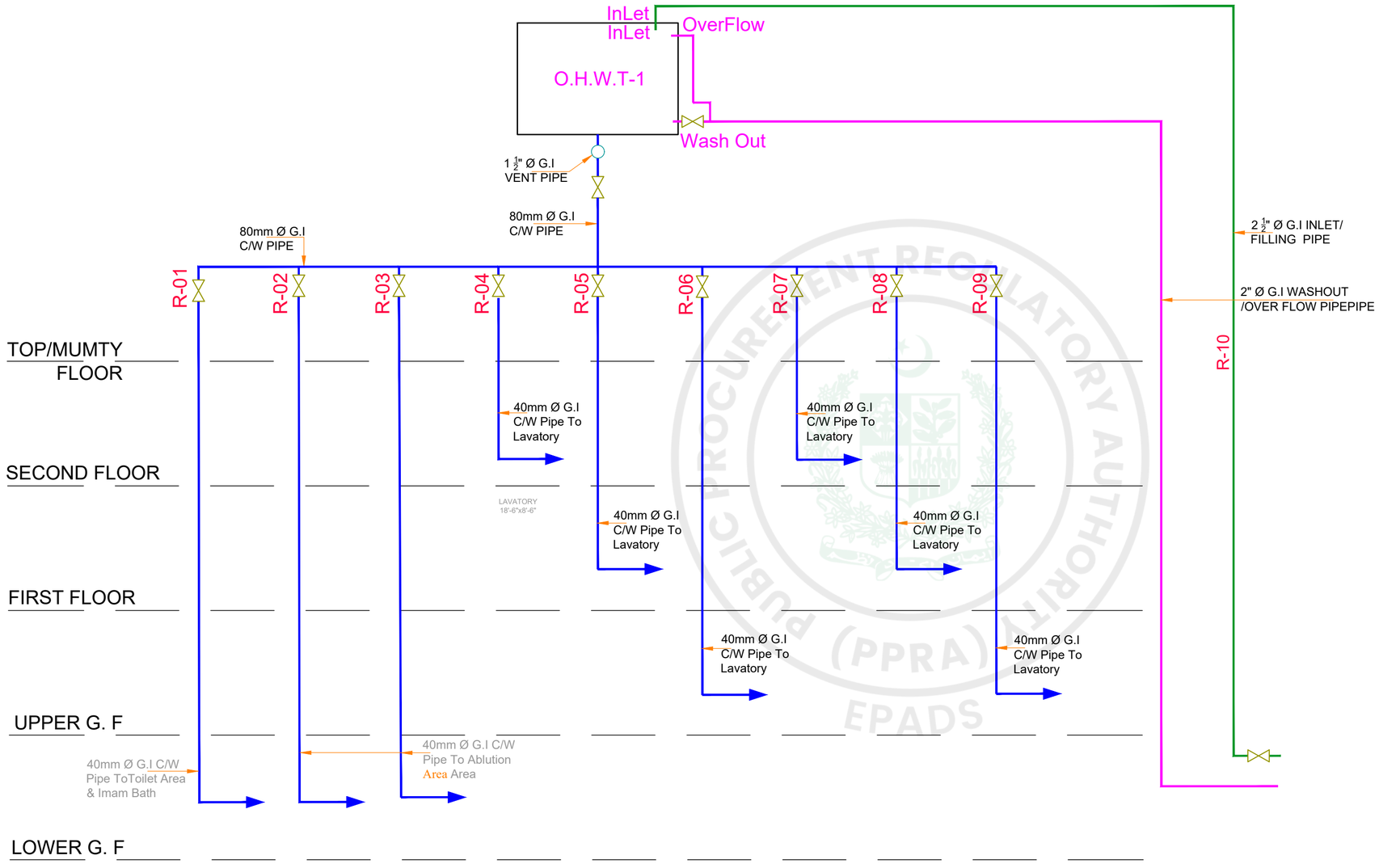
SHEET TITLE

MUMTY WATER SUPPLY PLAN

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INST/09-26	W.S-6/7	20 OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



COLD WATER (C/W) RISER DIAGRAM OF O.H.W.T

PROJECT.

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SHEET TITLE

COLD WATER RISER DIAGRAM

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	W.S-7/7	20 OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

FIER FIGHTING

Working Drawings List

F.F-1/7	LEGEND AND NOTES
F.F-2/7	LOWER FLOOR WATER SUPPLY PLAN
F.F-3/7	UPPER GROUND FLOOR FIRE FIGHTING PLAN
F.F-4/7	FIRST FLOOR FIRE FIGHTING PLAN
F.F-5/7	SECOND FLOOR FIRE FIGHTING PLAN
F.F-6/7	MUMTY FLOOR FIRE FIGHTING PLAN
F.F-7/7	DETAIL OF FIRE HOSE REEL CABINET& PORTABLE FIRE EXTINGGUISHER

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

LEGEND

S.NO	DESCRIPTION	SYMBOL
1	COLD WATER PIPE [C.W.P]	
2	CONTROL VALVE	
3	NON RETURN VALVE (N.R.V)	
4	WATER TANK [O/ H]	
5	FIRE HOSE CABINET	F.H.C
6	5KG CO2 FIRE EXTINGUISHER	
7	6KG DCP FIRE EXTINGUISHER	
8	FIRE HYDRANT-3	
9	EXTERNAL FIRE HOSE CABINET	HC

4"Ø ——— 100mmØ

3"Ø ——— 80mmØ

2½"Ø ——— 65mmØ

1½"Ø ——— 40mmØ

NOTE:-

1 FIRE PUMP SHALL NFPA 20 COMPATIBLE.

2 FIRE EXTINGUISHER CLASSIFICATION SHALL BE ACCORDING TO NFPA CODES NFPA 10.

3 FIRE HOSE REELS SHALL BE COMPATIBLE TO NFPA 130.

4 INSIDE THE BUILDING USE BLACK SEAMLESS SCHEDULE 40 PIPES.

5 NO WORK SHALL BE CARRIED OUT UNLESS SHOP DRAWINGS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CONSULTANT.

6 CONTRACTOR SHALL ENSURE PROPER FIXING OF EQUIPMENT IN AVAILABLE SPACES.

7 CONTRACTOR SHALL PROVIDE OPENING IN WALL, FLOOR, SLABS ETC AS REQUIRED.

8 PROVIDE SLEEVES IN WALLS WHERE PIPES PASSING THROUGH IT.

9 CONTRACTOR SHALL NOT PROVIDE ANY EQUIPMENT OR MATERIAL WHILE TECHNICAL SUBMITTALS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CONSULTANT.

10 ALL WORK SHALL BE CARRIED OUT ACCORDING TO LATEST ENGINEERING STANDARDS AND CODES.

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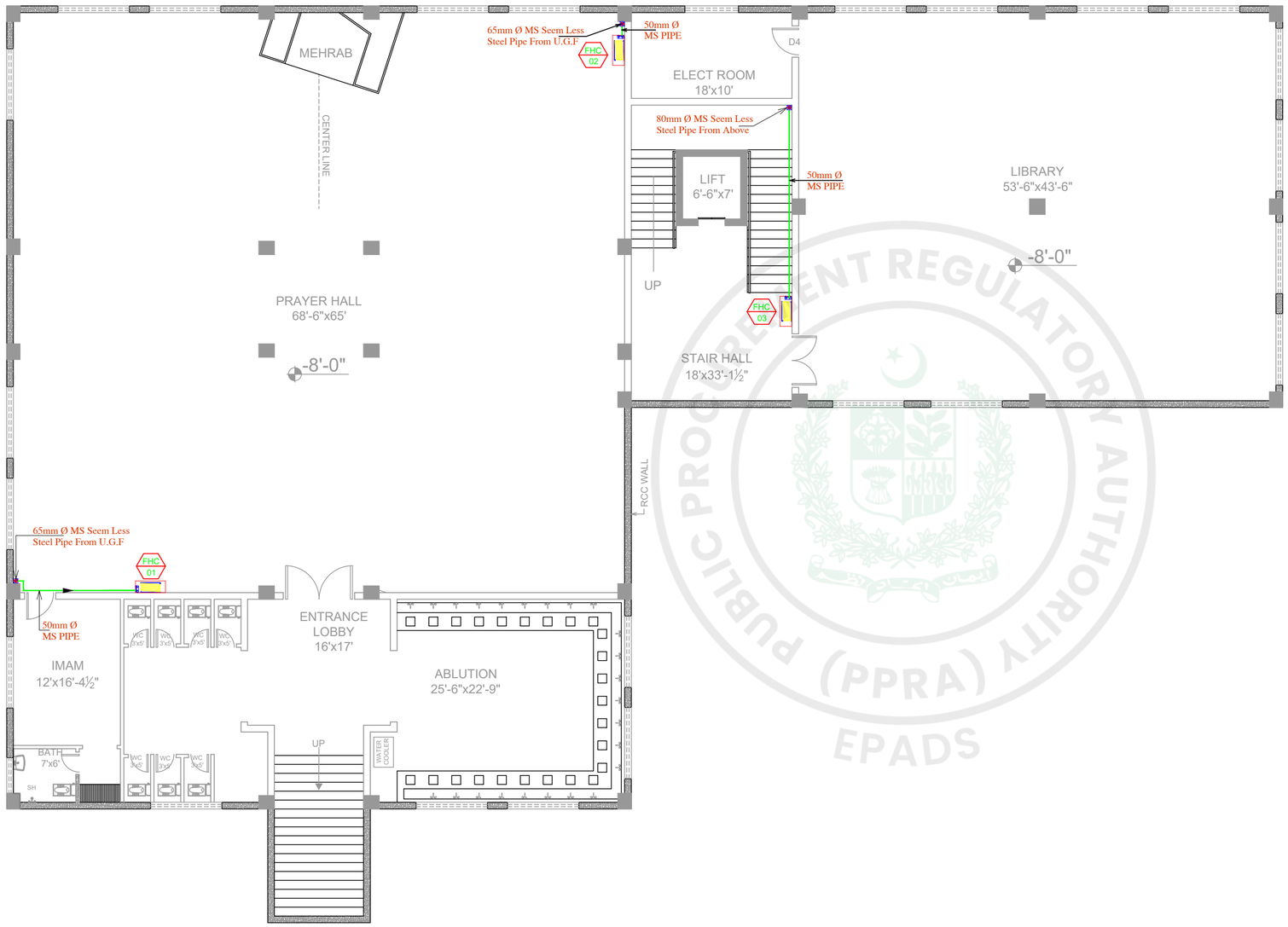
PROJECT.

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LEGEND AND NOTES

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LOWER GROUND FLOOR FIRE FIGHTING PLAN

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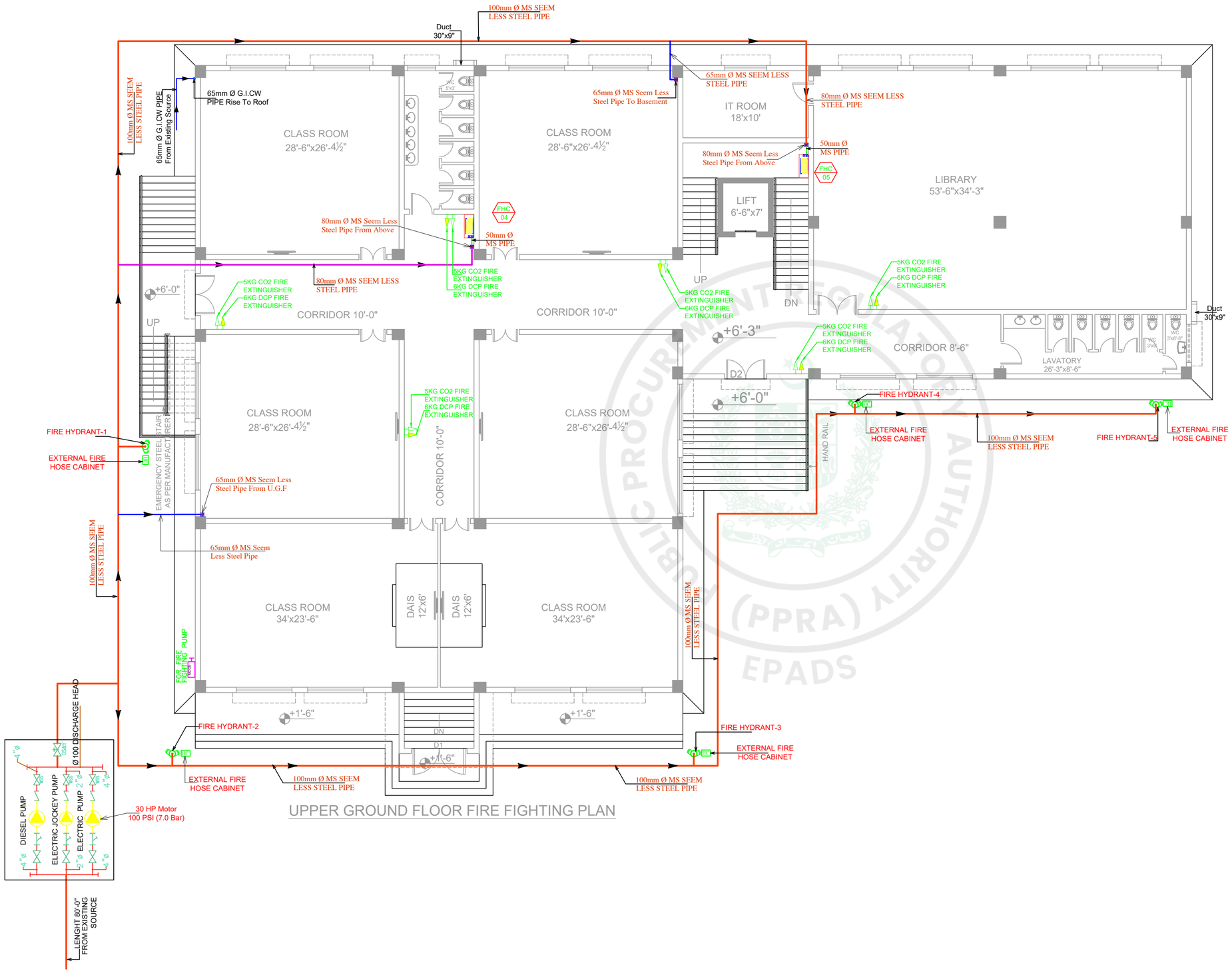
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UPPER GROUND FLOOR FIRE FIGHTING PLAN

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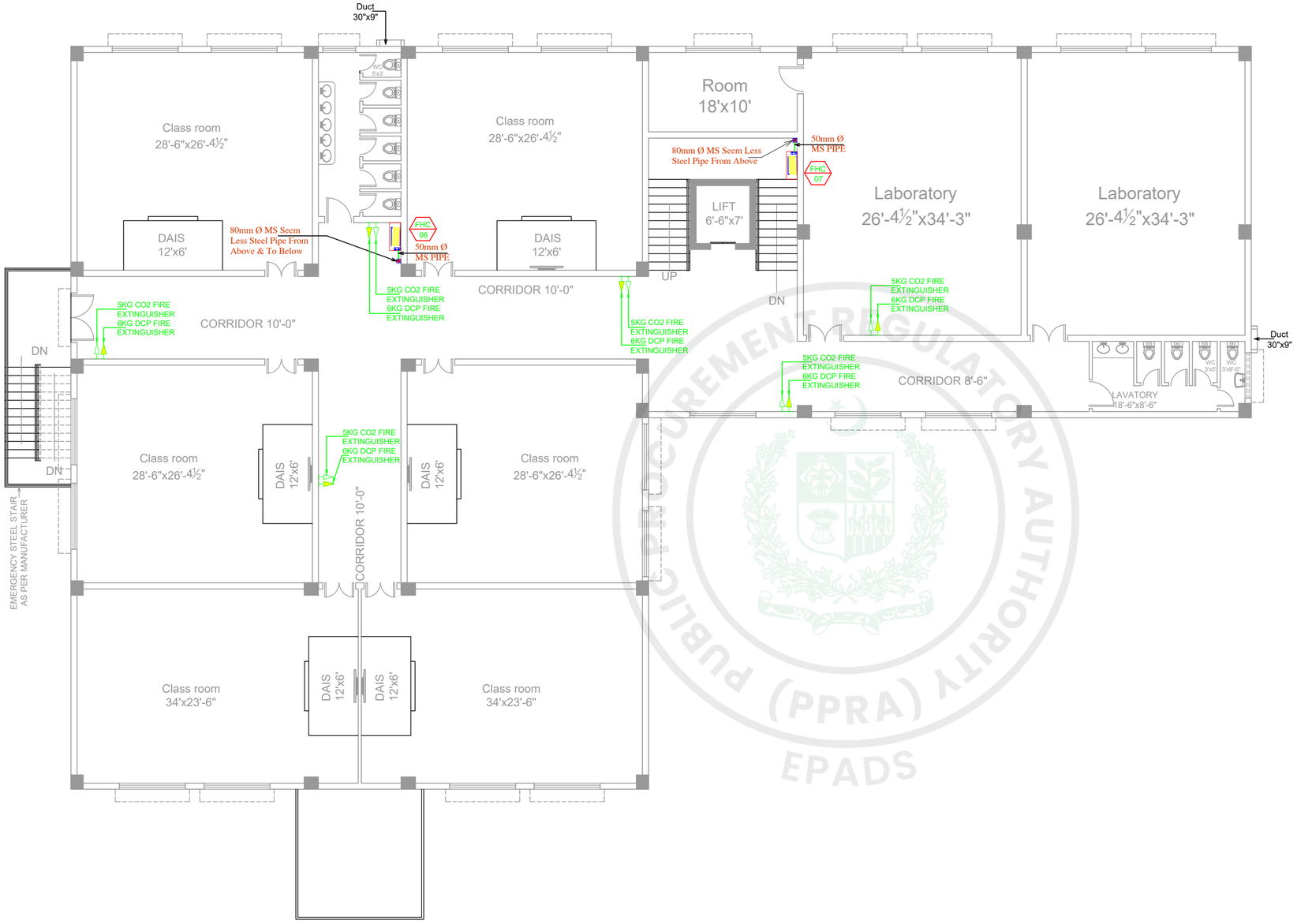
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SHEET TITLE: UPPER GROUND FLOOR FIRE FIGHTING PLAN

DRAWING NO.	SHEET NO.	DATE.
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FIRST FLOOR FIRE FIGHTING PLAN

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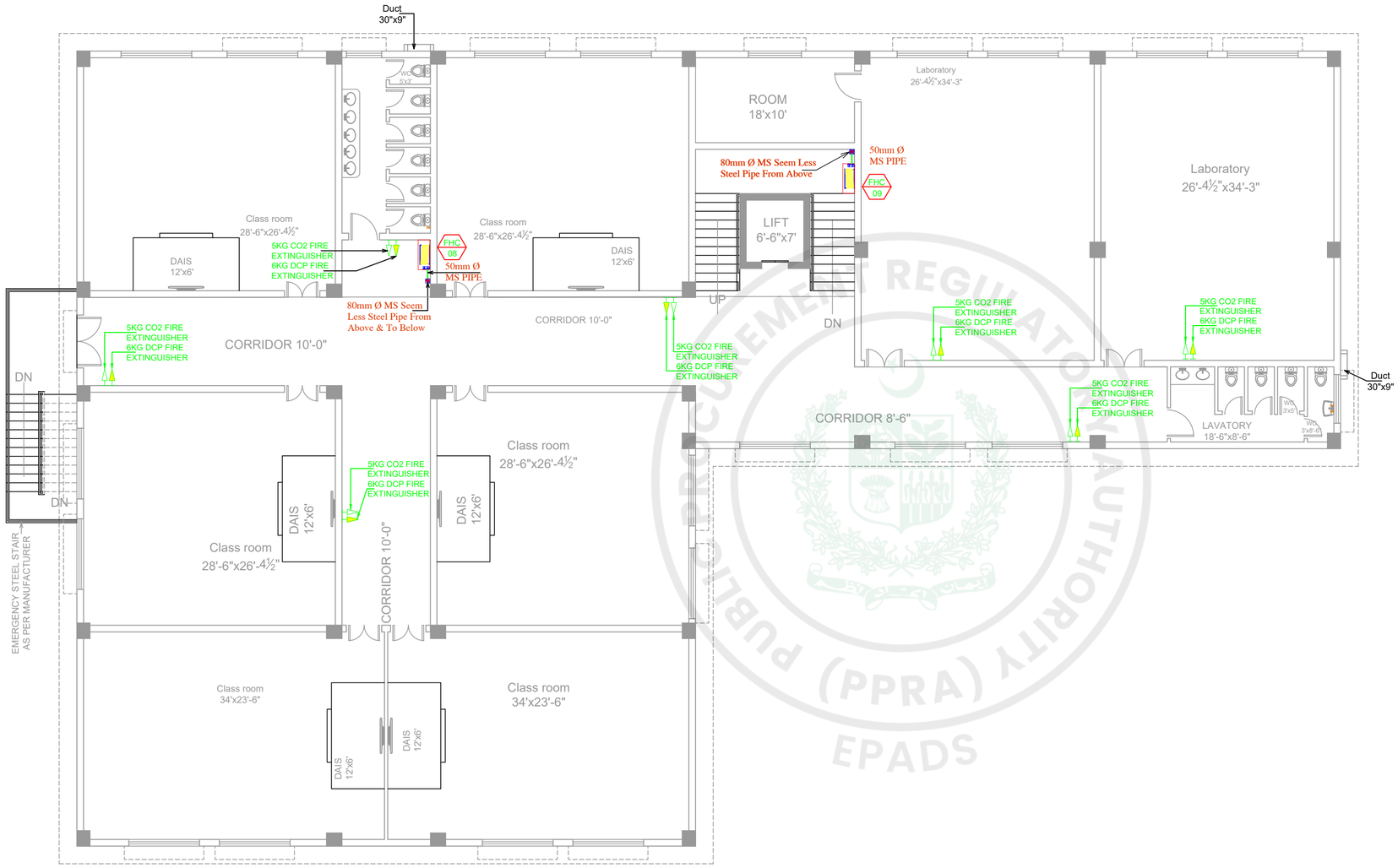
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UPPER GROUND FLOOR FIRE FIGHTING PLAN

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2nd FLOOR FIRE FIGHTING PLAN

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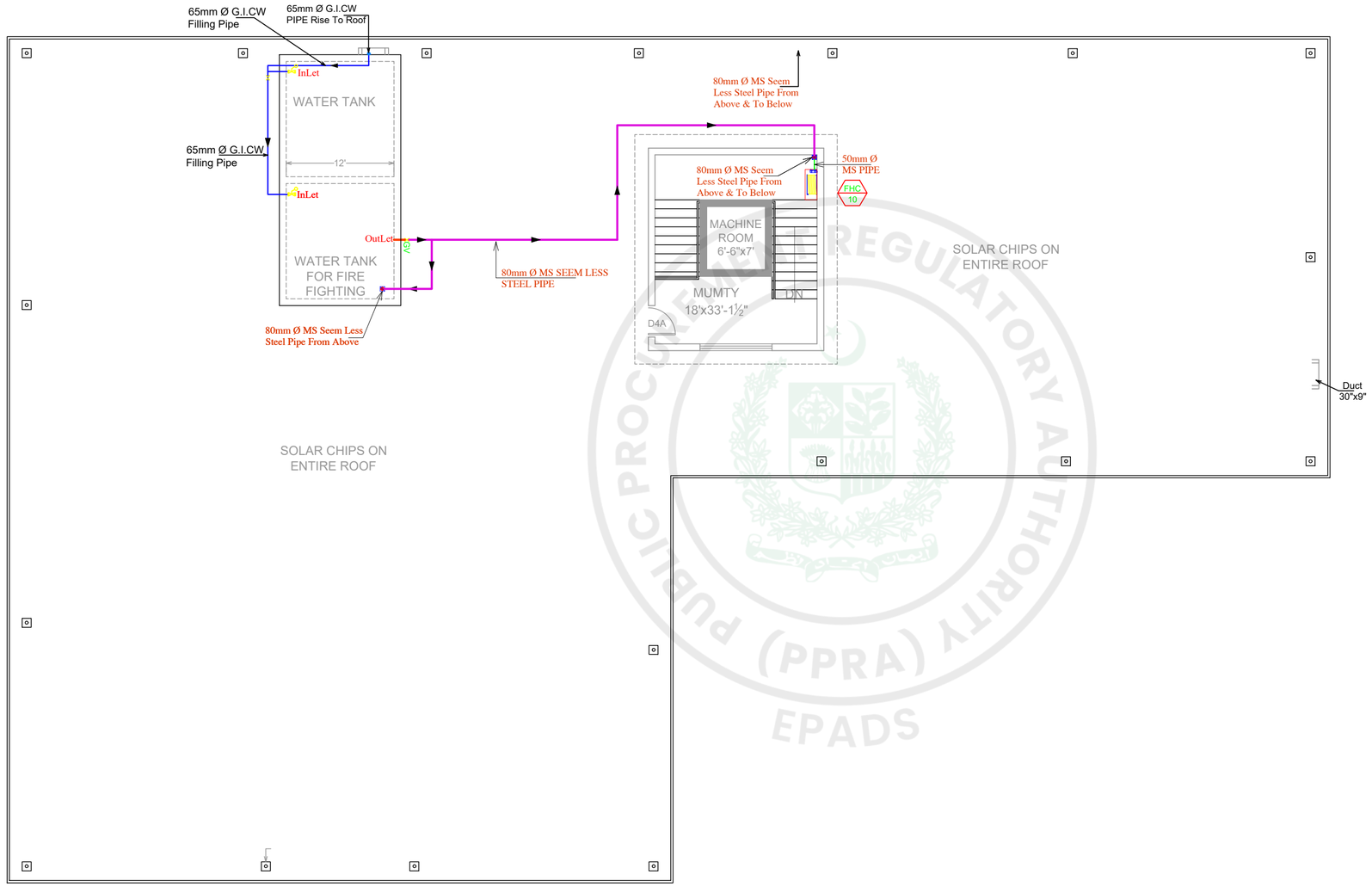
SHEET TITLE

SECOND FLOOR FIRE FIGHTING PLAN

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MUMTY FIRE
FIGHTING PLAN

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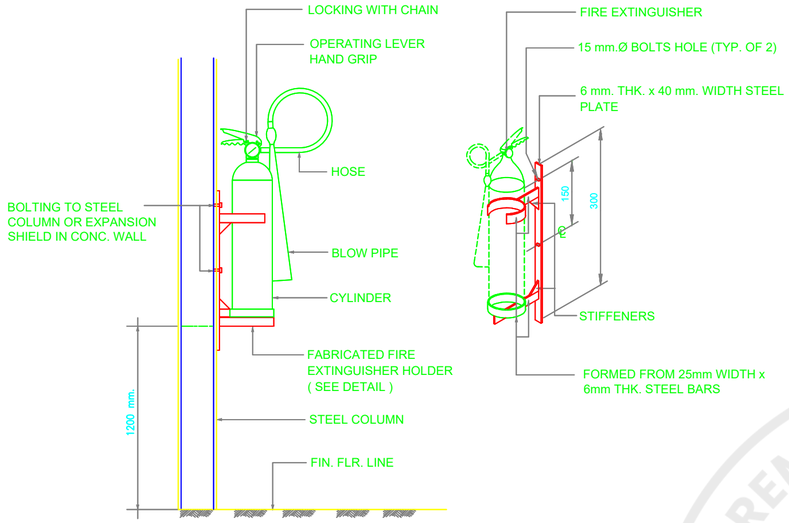
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MUMTY FLOOR FIRE FIGHTING PLAN

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INST/09-26	F.F-6/7	20 OCT 2026

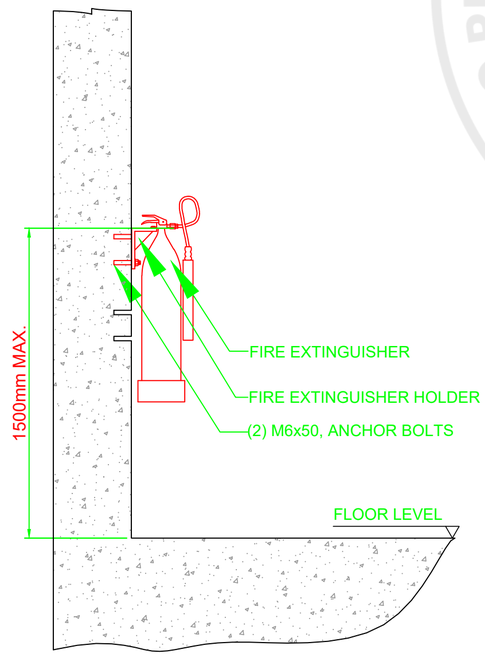
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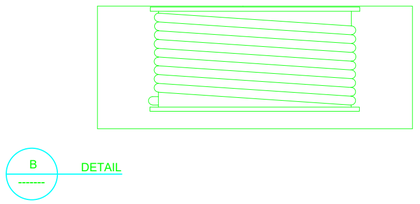


FIRE EXTINGUISHER HOLDER MOUNTING DETAIL

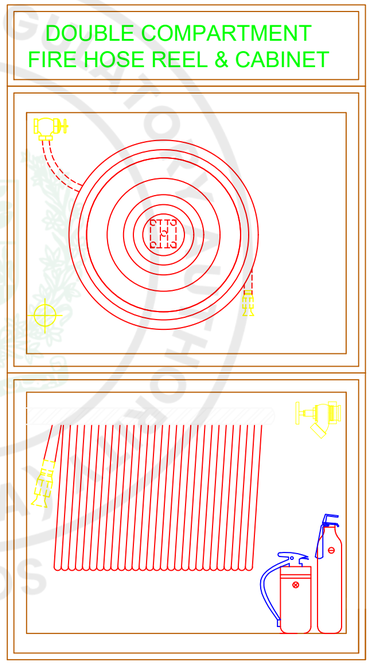
PORTABLE FIRE EXTINGUISHER



FIRE EXTINGUISHER INSTALLATION DETAIL



FIRE HOSE CABINET FHC DETAIL



FIRE HOSE REEL CABINET CLASS-III

PROJECT.

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SHEET TITLE: DETAIL OF FIRE HOSE REEL CABINET& PORTABLE FIRE EXTINGGUISHER

DRAWING NO.	SHEET NO.	DATE.
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FIRE ALARM

Working Drawings List

FA-1/5	LEGEND AND NOTES
FA-2/5	LOWER FLOOR FIRE ALARM PLAN
FA-3/5	UPPER GROUND FLOOR FIRE ALARM PLAN
FA-4/5	FIRST FLOOR FIRE ALARM PLAN
FA-5/5	SECOND FLOOR FIRE PLAN

PROCUREMENT REGULATORY AUTHORITY PUBLIC (PPRA) EPADS

LEGEND

S/ NO	DESCRIPTION	HEIGHT FROM FFL	SYMBOLS
1	INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL WITH TCP/IP & NETWORK ABILITY	CEILING	FACP
2	INTELLIGENT ADDRESSABLE SMOKE DETECTOR BUILT IN ISOLATOR WITH BASE	CEILING	S
3	INTELLIGENT ADDRESSABLE HEAT DETECTOR BUILT IN ISOLATOR WITH BASE	CEILING	H
4	INTELLIGENT ADDRESSABLE MANUAL CALL POINT BUILT IN ISOLATOR WITH BASE	7'-0"	
5	EMERGENCY EXIT LIGHT	CEILING	Fire Exit
6	FIRE ALARM SOUNDER WITH FLASHER	7'-0"	F

NOTE:-

1. WIRING OF SOUNDER /ALARM BELL TO BE CARRIED OUT SEPARATELY WITH 2x SINGLE CORE 1.5mm² CABLE
2. 25 FEET DISTANCE FOR EACH HEAT/SMOKE DETECTOR IN LENGTH.
3. 20 FEET DISTANCE FOR EACH HEAT/SMOKE DETECTOR IN WIDTH.

PROJECT.

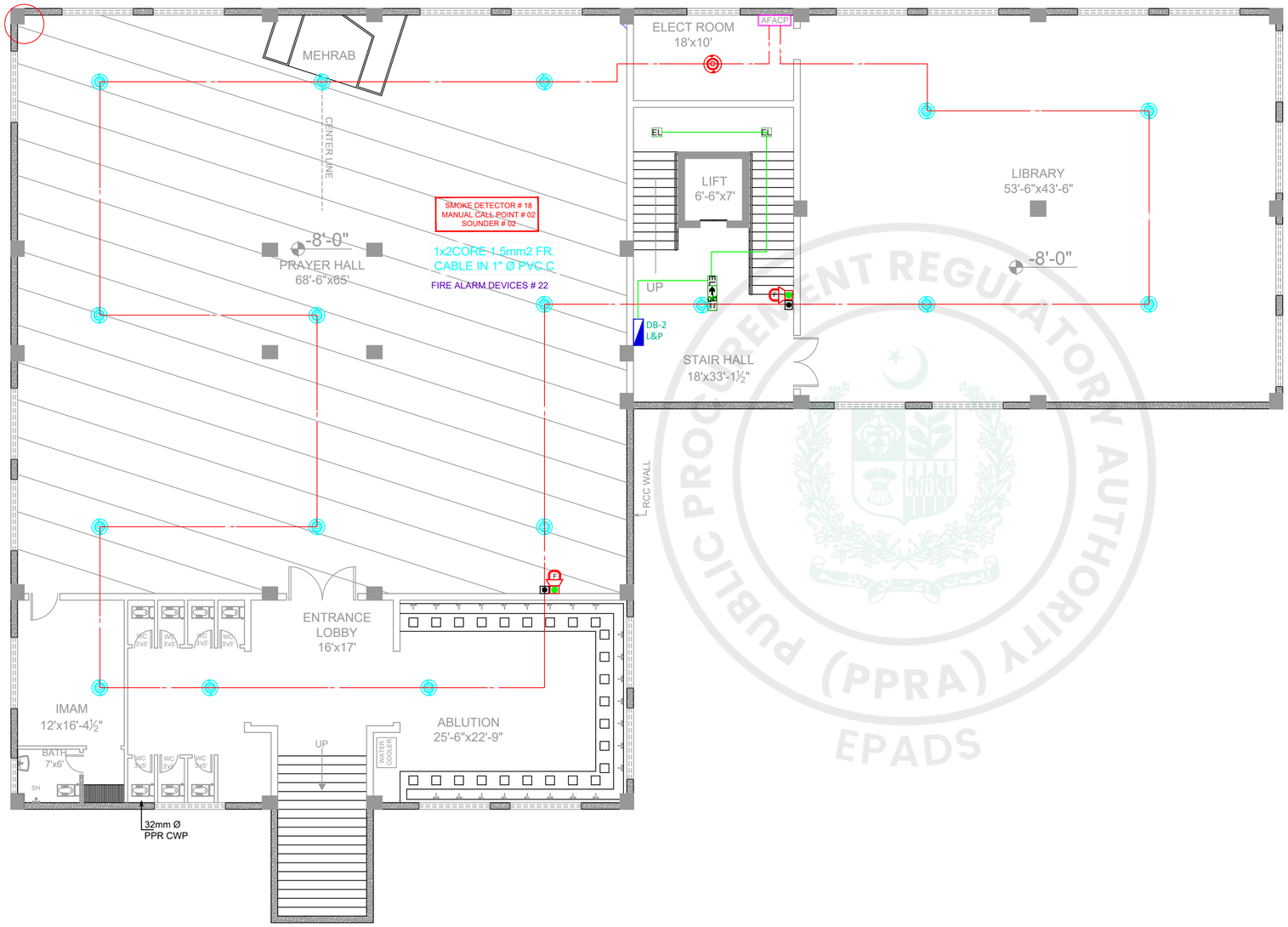
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SHEET TITLE
LEGEND AND NOTES

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	FA-1/5	20 OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



LOWER GROUND FLOOR FIRE ALARM PLAN

PROJECT.

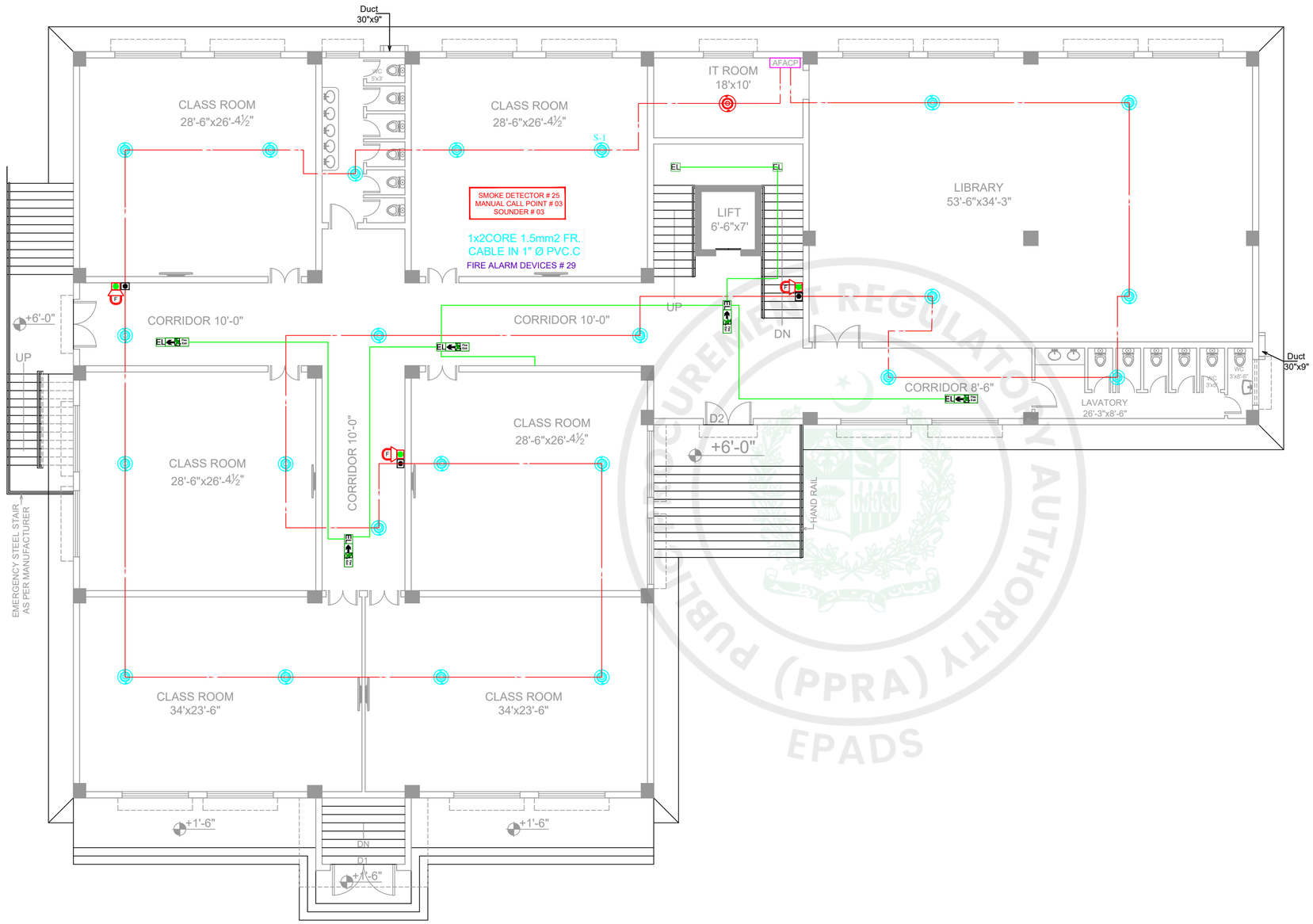
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SHEET TITLE
LOWER GROUND FLOOR FIRE ALARM PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	FA-2/5	20 OCT 2026

WD
We Design
Consulting Engineer, Engineering Advisors
House No.24, Street No.06 Sector-D DHA Phase-I Islamabad
Telephone No: 051-5138183, Cell No: 0332-5477881
Email: atnmpk@yahoo.com

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



UPPER GROUND FLOOR FIRE ALARM PLAN

PROJECT.

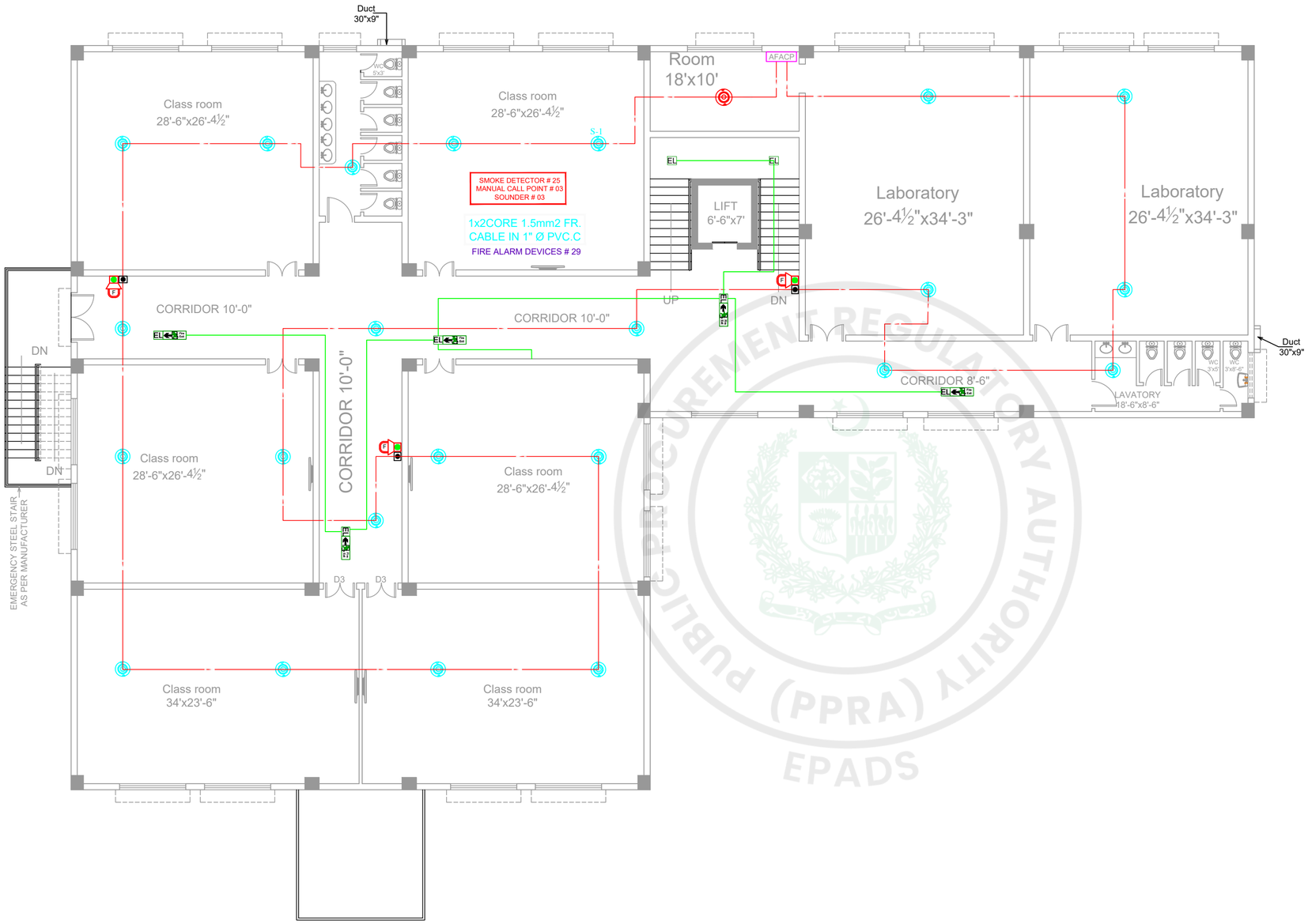
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FIRST FLOOR FIRE ALARM PLAN

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

PROJECT.

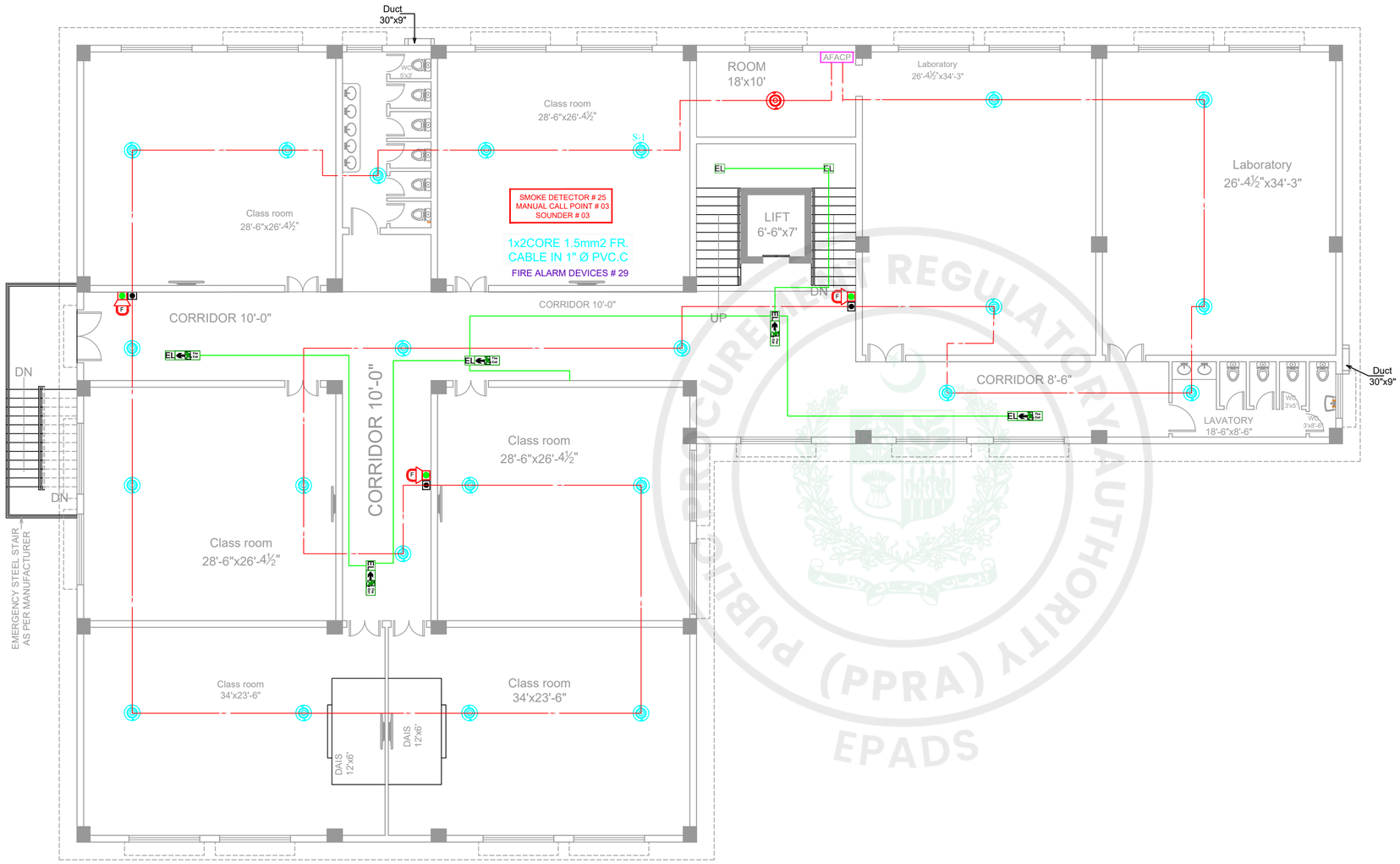
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SHEET TITLE

FIRST FLOOR FIRE ALARM PLAN

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INST/09-26	FA-4/5	20 OCT 2026

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SECOND FLOOR FIRE ALARM PLAN

PROJECT.	AIR UNIVERSITY ISLAMABAD LIBRARY BLOCK
SHEET TITLE	SECOND FLOOR FIRE ALARM PLAN
DRAWING NO.	INST/09-26
SHEET NO.	FA-5/5
DATE.	20 OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

HVAC

Working Drawings List

AC-1/6	LEGEND AND NOTES
AC-2/6	LOWER GROUND FLOOR AIR CONDITIONING PLAN
AC-3/6	UPPER GROUND FLOOR AIR CONDITIONING PLAN
AC-4/6	FIRST FLOOR AIR CONDITIONING PLAN
AC-5/6	SECOND FLOOR AIR CONDITIONING PLAN
AC-6/6	DETAIL OF AIR CONDITIONING CONDITIONING

PROCUREMENT REGULATORY AUTHORITY PUBLIC (PPRA) EPADS

L E G E N D

S/ NO	DESCRIPTION	SYMBOLS
1	WALL MOUNTED A.C	
2	CONDENSING UNIT (CU)	
3	CONDENSATE DRAIN RUN IN FLOOR 25 mm Ø UPVC PIPE	
4	REFRIGERANT SUPPLY / RETURN COPPER PIPE	
5	TOWARDS DRAIN	

NOTES:-

1. CONTRACTOR SHALL NOT PROVIDE ANY EQUIPMENT OR MATERIAL UNLESS TECHNICAL SUBMITTALS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CONSULTANT.

2. NO WORK SHALL BE CARRIED OUT UNLESS SHOP DRAWINGS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CONSULTANT.

3. CONDENSATE DRAIN LINE SHALL BE CONNECTED TO NEAREST DRAIN POINT.

4. CONTRACTOR SHALL PROVIDE OPENING IN WALL, FLOOR, SLABS ETC AS REQUIRED FOR REFRIGERANT AND DRAIN PIPES DURING CONSTRUCTION.

5. OUT DOOR UNITS WILL BE PLEASED ON RESPECTIVE PLACE.

6. IF ANY DISCREPANCY ERROR OR OMISSION IS FOUND IN THE DRAWING, THE CONTRACTOR SHALL IMMEDIATELY INFORM TO THE CONSULTANT .

PROJECT.

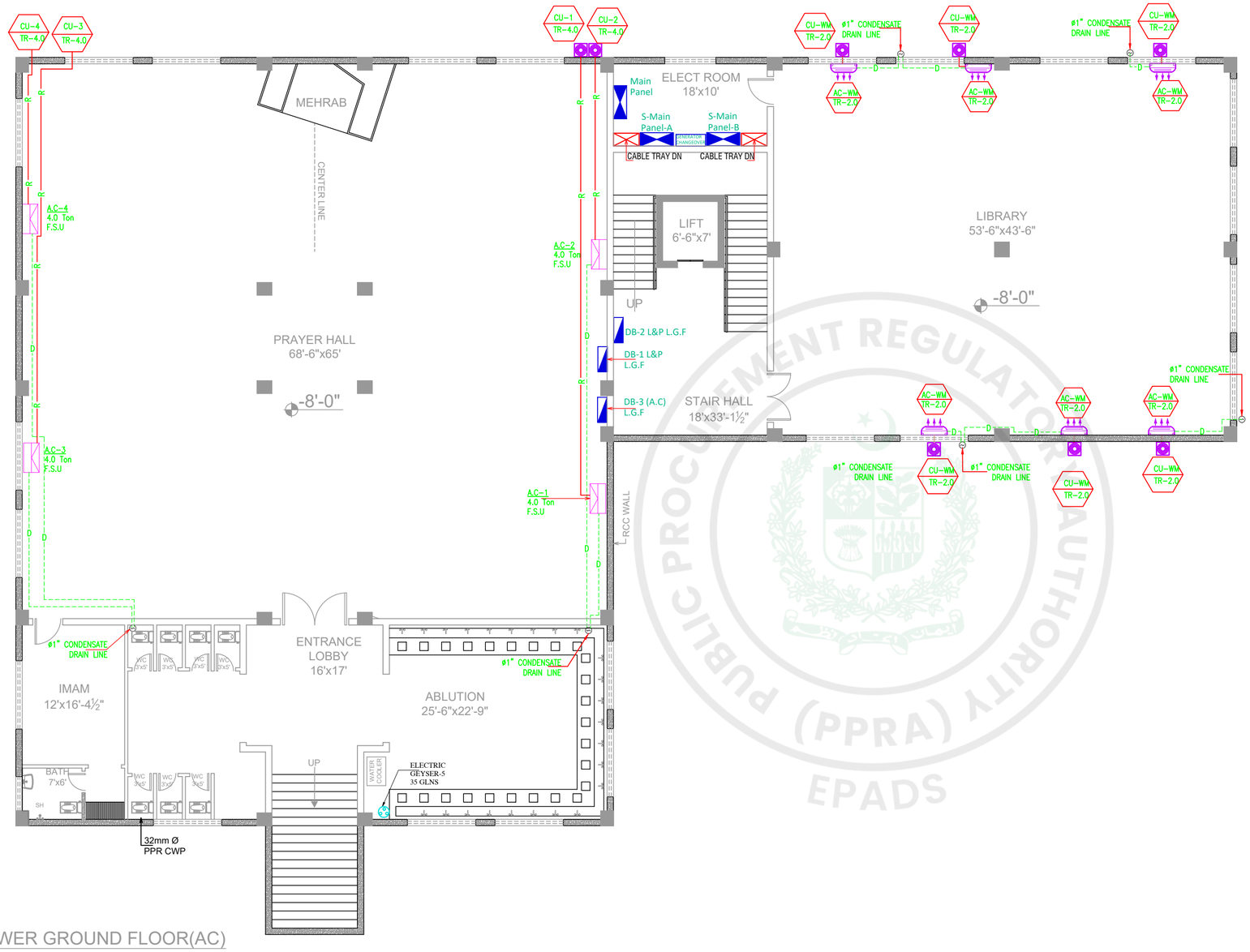
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SHEET TITLE
LEGEND AND NOTES

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	AC-1/6	20 OTC 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



LOWER GROUND FLOOR(AC)

PROJECT.

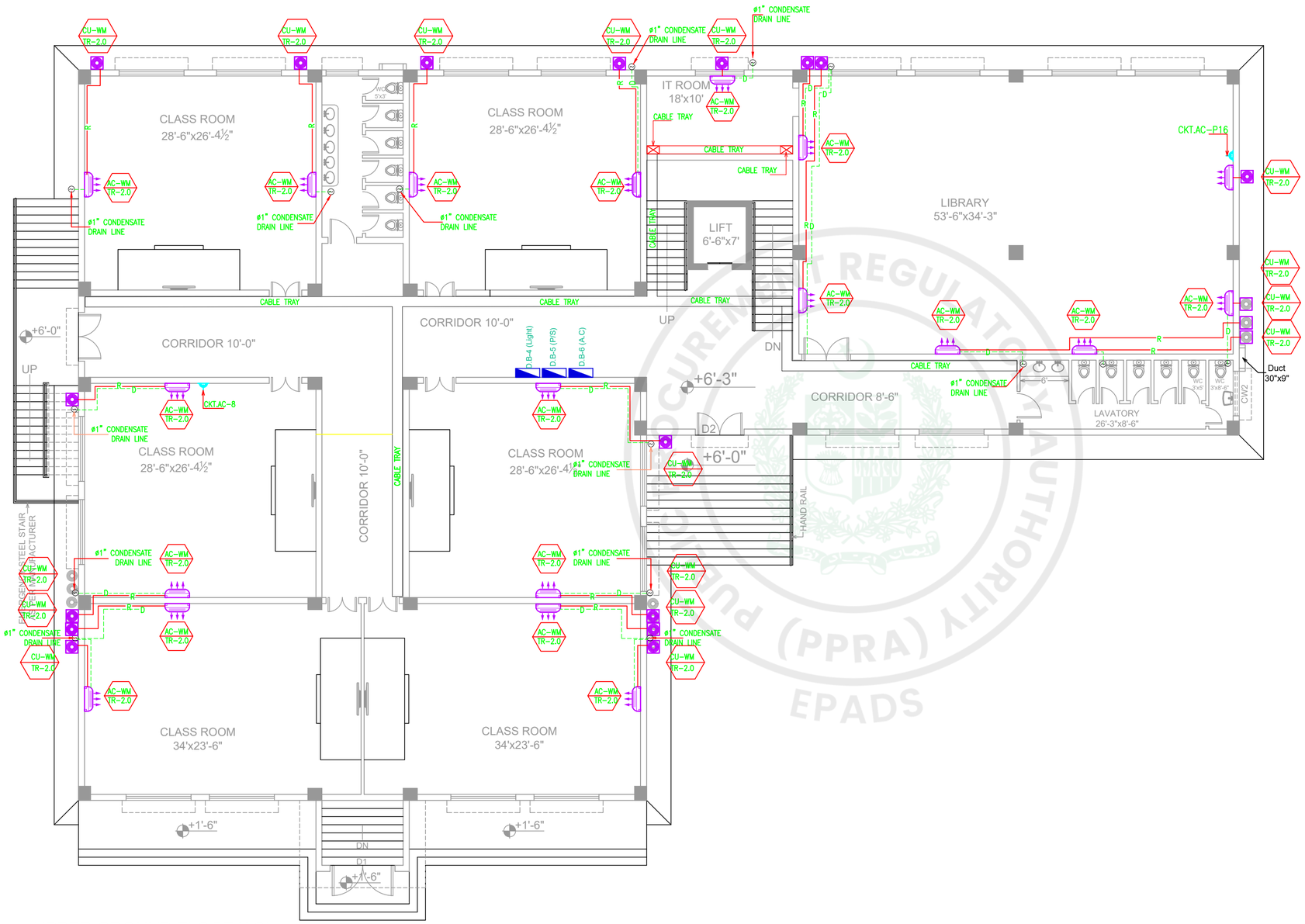
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SHEET TITLE: LOWER GROUND FLOOR AIR CONDITIONING PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	AC-2/6	20 OTC 2026

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UPPER GROUND FLOOR(AC)

PROJECT.

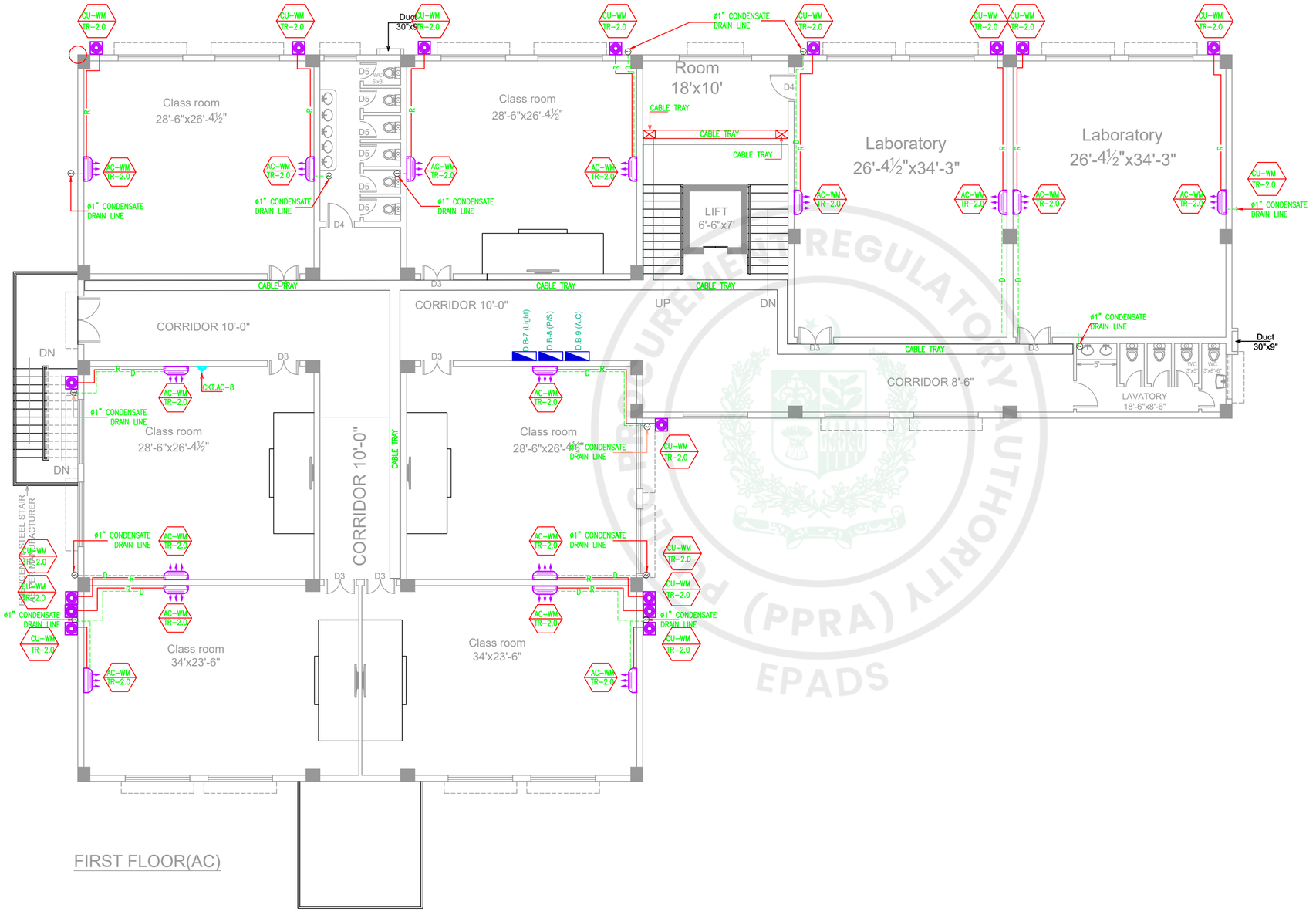
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DRAWING NO.	SHEET NO.	DATE.
INST/09-26	AC-3/6	20 OTC 2026

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FIRST FLOOR(AC)

PROJECT.

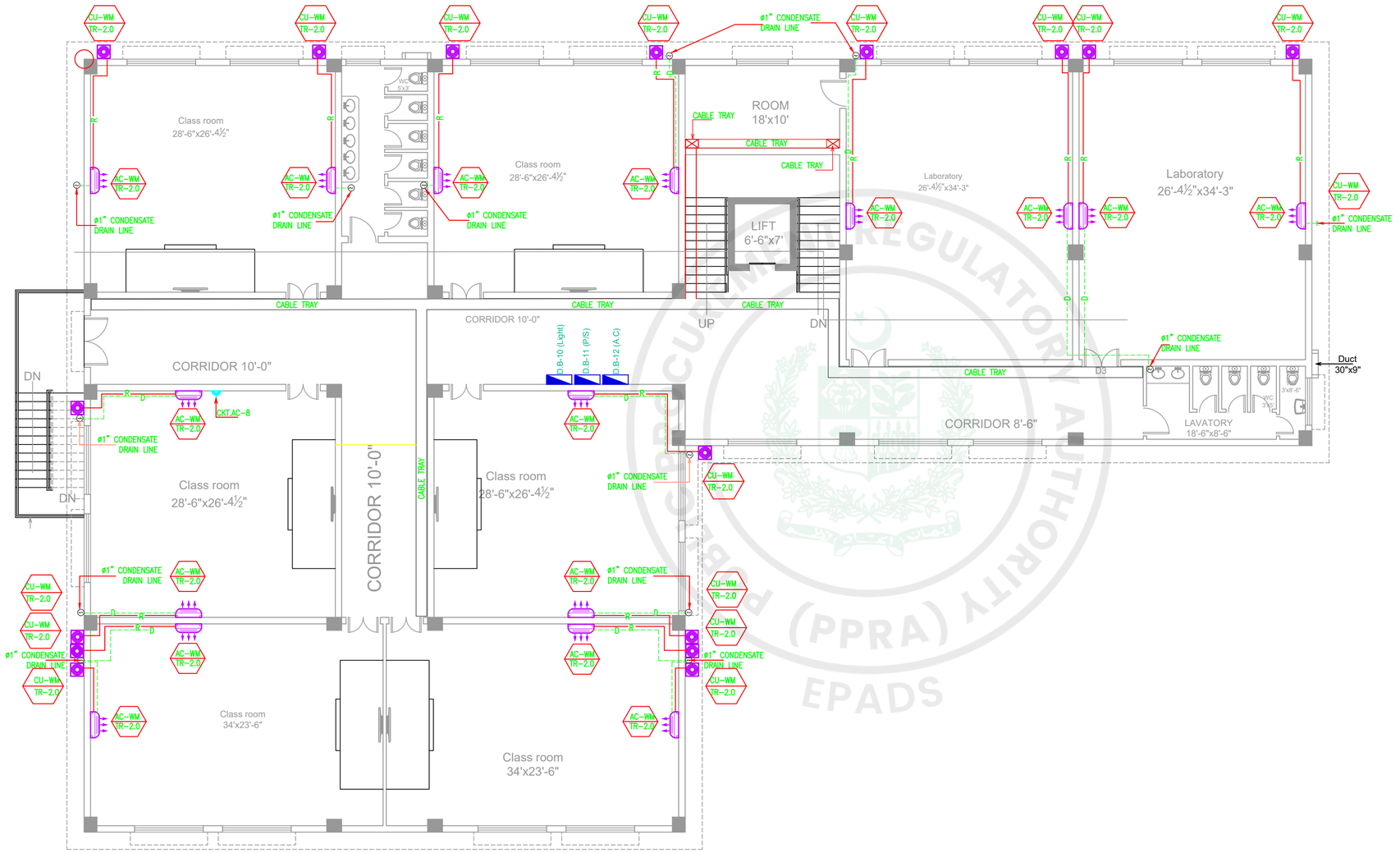
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SHEET TITLE: FIRST FLOOR AIR CONDITIONING PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	AC-4/6	20 OTC 2026

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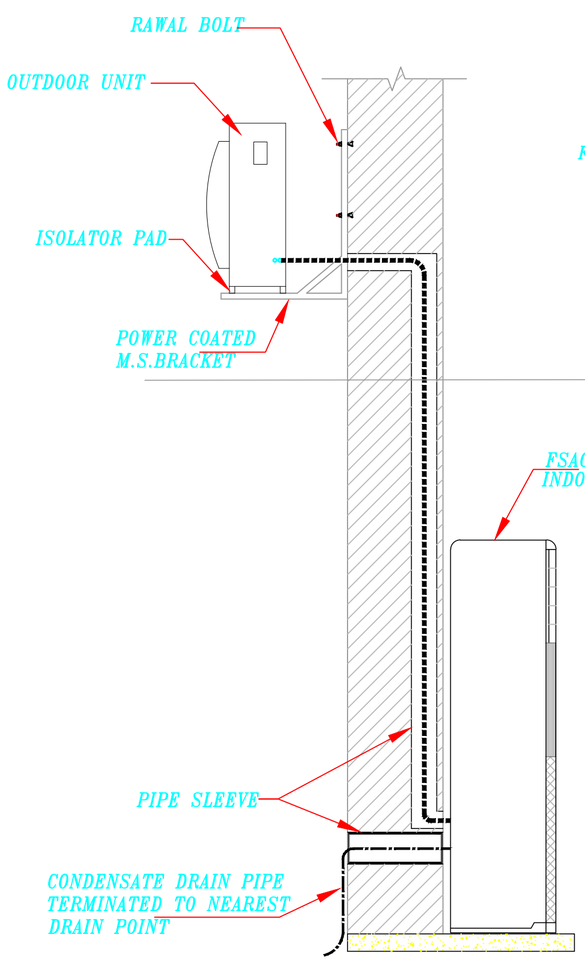


2nd FLOOR(AC)

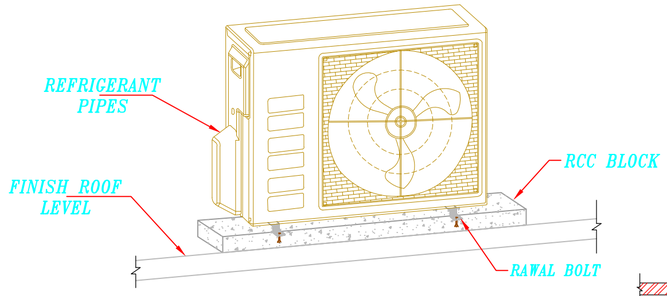
PROJECT.	AIR UNIVERSITY ISLAMABAD LIBRARY BLOCK
SHEET TITLE	SECOND FLOOR AIR CONDITIONING PLAN
DRAWING NO.	INST/09-26
SHEET NO.	AC-5/6
DATE.	20 OTC 2026

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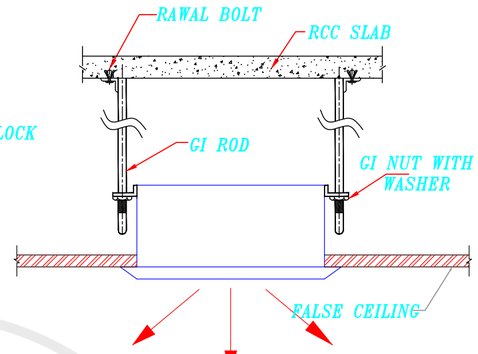
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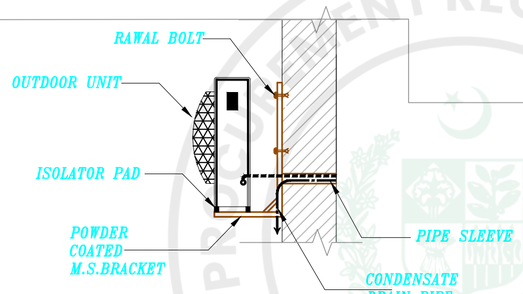
OUTDOOR & INDOOR INSTALLATION
TYPICAL DETAIL



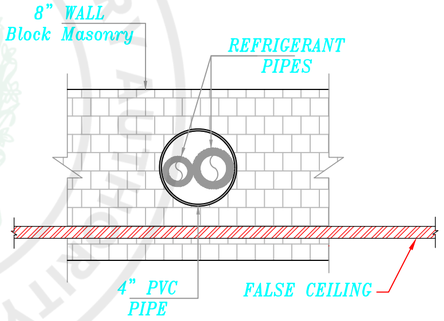
ROOF PLACED OUTDOOR
INSTALLATION TYPICAL DETAIL



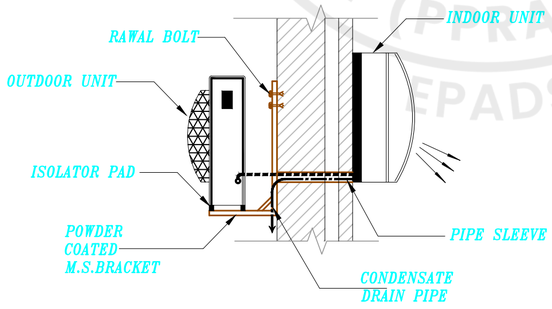
TYPICAL INSTALLATION DETAIL OF
CEILING CASSETTE TYPE AC (INDOOR)



WALL MOUNTED OUTDOOR
INSTALLATION TYPICAL DETAIL



TYPICAL DETAIL OF CONDUIT UPVC PIPE FOR COPPER
PIPING



WALL MOUNTED AC OUTDOOR & INDOOR
INSTALLATION TYPICAL DETAIL

PROJECT.

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SHEET TITLE
DETAIL OF AIR CONDITIONING

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	AC-6/6	20 OTC 2026

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NETWORKING

Working Drawings List

NW-1/5	LEGEND AND NOTES
NW-2/5	LOWER FLOOR NETWORKING PLAN
NW-3/5	UPPER GROUND FLOOR NETWORKING PLAN
NW-4/5	FIRST FLOOR NETWORKING PLAN
NW-5/5	SECOND FLOOR NETWORKING PLAN

PROCUREMENT REGULATORY AUTHORITY PUBLIC (PPRA) EPADS

COMMUNICATION LEGEND:

S.NO.	SYMBOLS	DESCRIPTION
01		TELE PHONE POINT
02	———	RJ-11 CABLE RUN IN FLOOR, CABLE TRAY & SLABE
03		INTERCOM POINT
04	———	RJ-45 CABLE RUN IN FLOOR, CABLE TRAY & SLABE
05		NETWORKING POINT
06	———	RJ-45 NETWORK DATA CABLE RUN IN FLOOR,CABLE TRAY & SLAB
07		TV POINT
08	———	RJ-45 TV CABLE RUN IN FLOOR, CABLE TRAY & SLAB
10		WIRELESS FIDELITY
11	ONU	OPTICAL FIBER NETWORK UNIT
12	COMM	COMMUNICATION BOX
13	NWKB	NETWORKING BOX

GENERAL NOTES:

1. CONTRACTOR SHALL TAKE APPROVAL FROM CONSULTANT FOR ALL THE MATERIAL TO BE INSTALLED PRIOR TO PURCHASE HOWEVER, PAKISTAN CABLE, NEW AGE AND PIONEER CABLE ARE APPROVED.
2. ALL DISTRIBUTIONS BOARD DB's SHALL BE APPROVED BY CONSULTANT PRIOR TO PURCHASE BY CONTRACTOR, CONTRACTOR PROVIDE TECHNICAL SUBMITTAL FOR DB's.
3. MAIN AND SUB TELEPHONE/TV JUNCTION BOX SHALL BE PROVIDED WHERE REQUIRED.
4. ALL KINDS OF WIRING SHALL NOT BE VISIBLE INSIDE OR OUTSIDE THE BUILDING, CONTRACTOR SHALL PLACE SLEEVE / CONDUITS WHERE REQUIRED DURING CONSTRUCTIONS.
5. COLOR CODING FOR WIRES SHALL BE DONE AND APPROVED BY IEEE REGULATIONS.
6. USE SEPARATE CONDUIT FOR EVERY CIRCUIT COMING OUT OF PROVIDE JUNCTION BOX REQUIRED FOR EASY PULLING ELECTRICAL WIRE.
7. TELEPHONE & NETWORKING CABLES MUST BE 1FT AWAY FROM POWER CABLE.

ABBREVIATIONS	EXPLANATION
RJ-45	TELEPHONE
RG-06	TV POINT
MJB	MAIN JUNCTION BOX
WIFI	WIRELESS FIDELITY
LED TV	LIGHT EMITTING DIODE TELEVISION

PROJECT.

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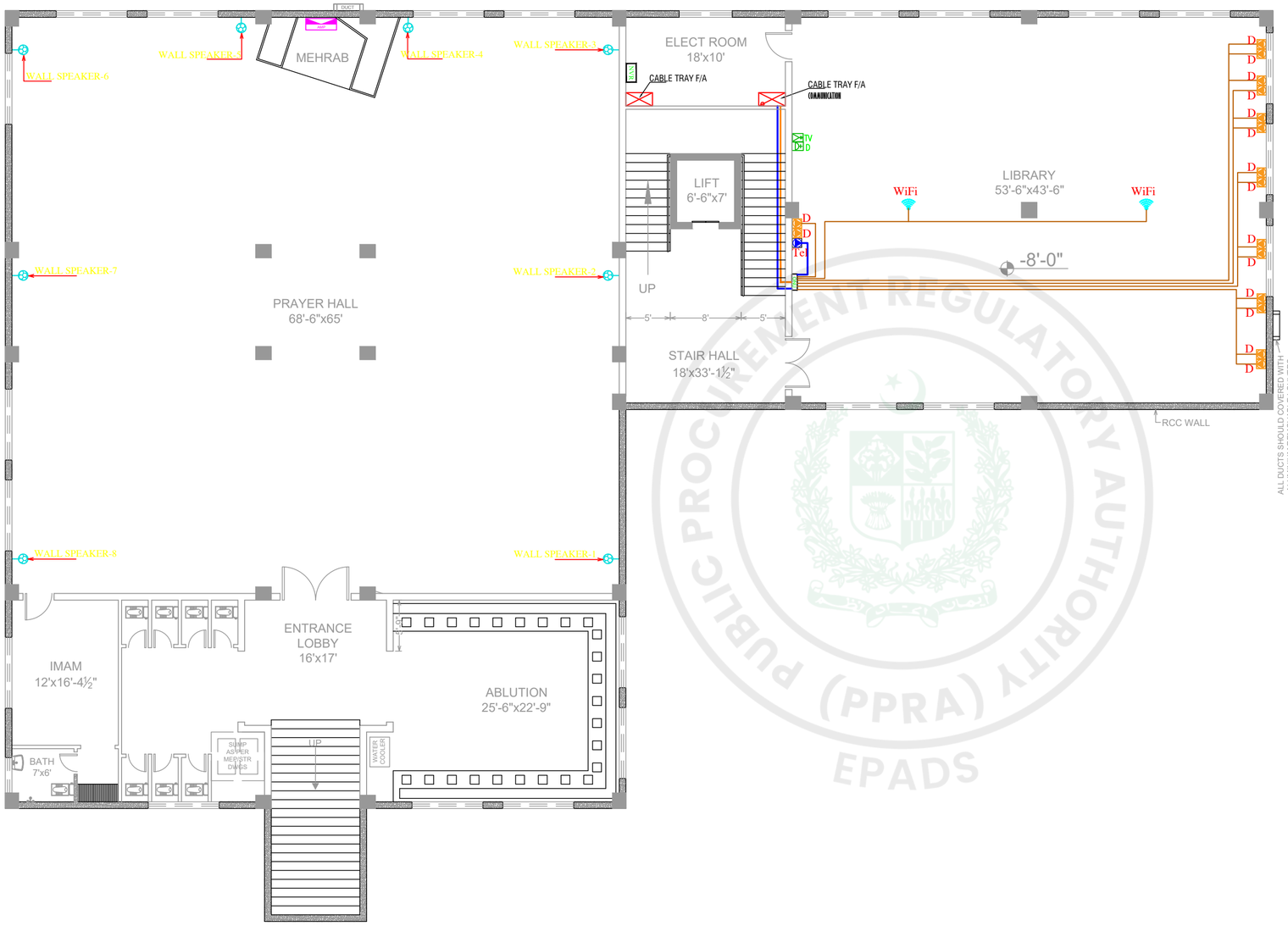
SHEET TITLE

LEGEND AND NOTES

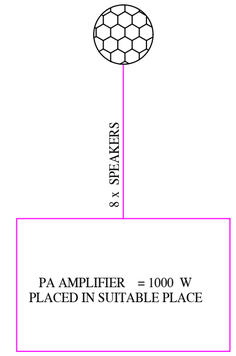
DRAWING NO.	SHEET NO.	DATE.
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LOWER GROUND FLOOR
NETWORKING PLAN



PA SYSTEM SCHEMATIC

WALL SPEAKER

1 : Apmlifier will be placed in Mehrab behind Mimber

2 : 20mm dia conduit with 2x2.5mm² Single Core Cable will run up to 1st point and point to point for column speaker below false ceiling as same

3 : Seperate conduit 20 mm dia will be out side for out side speakers

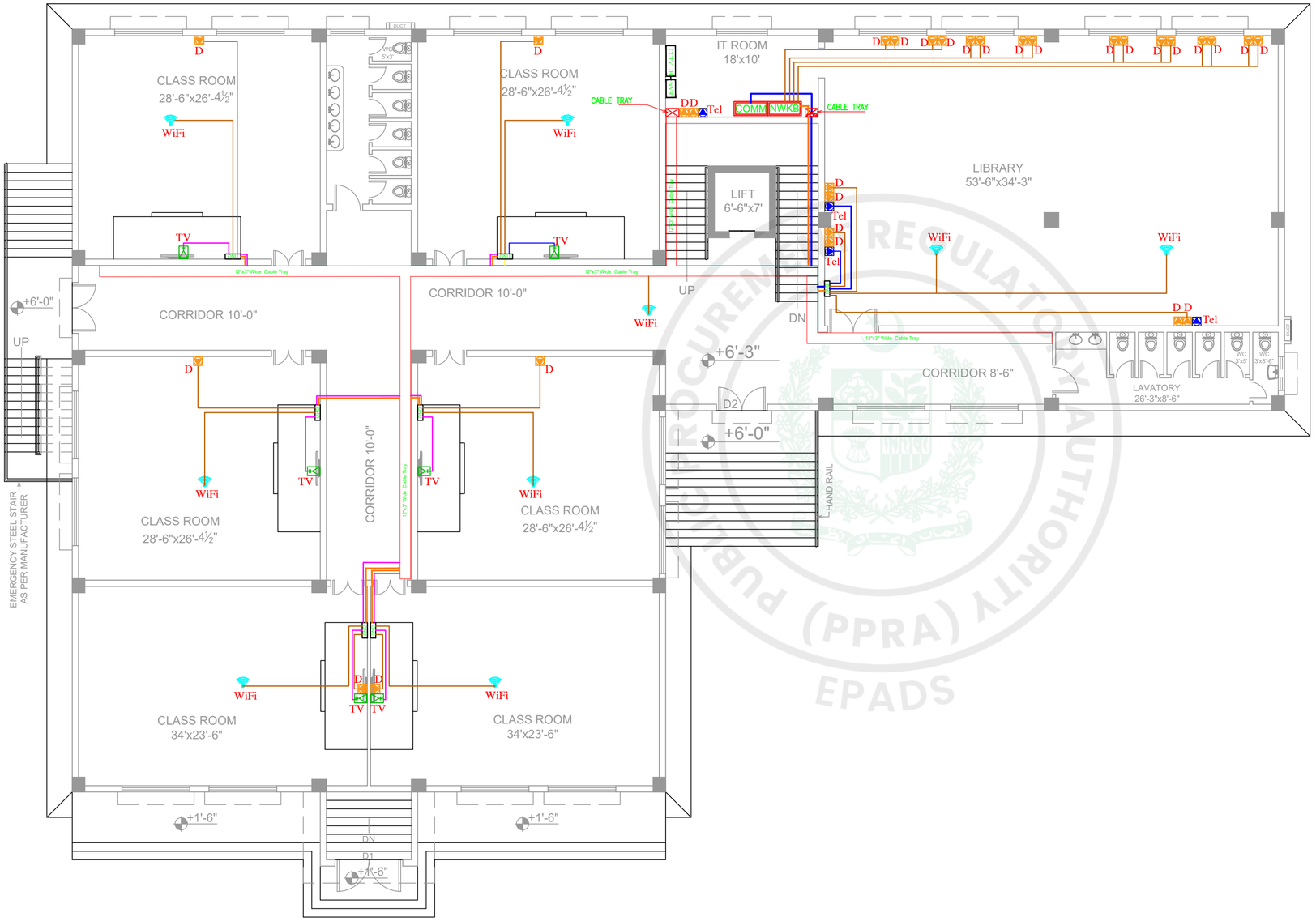
PROJECT.

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SHEET TITLE	LOWER GROUND FLOOR NETWORKING PLAN	
DRAWING NO.	SHEET NO.	DATE.
INST/09-26	NW-2/5	20 OCT 2026

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UPPER GROUND FLOOR
NETWORKING PLAN

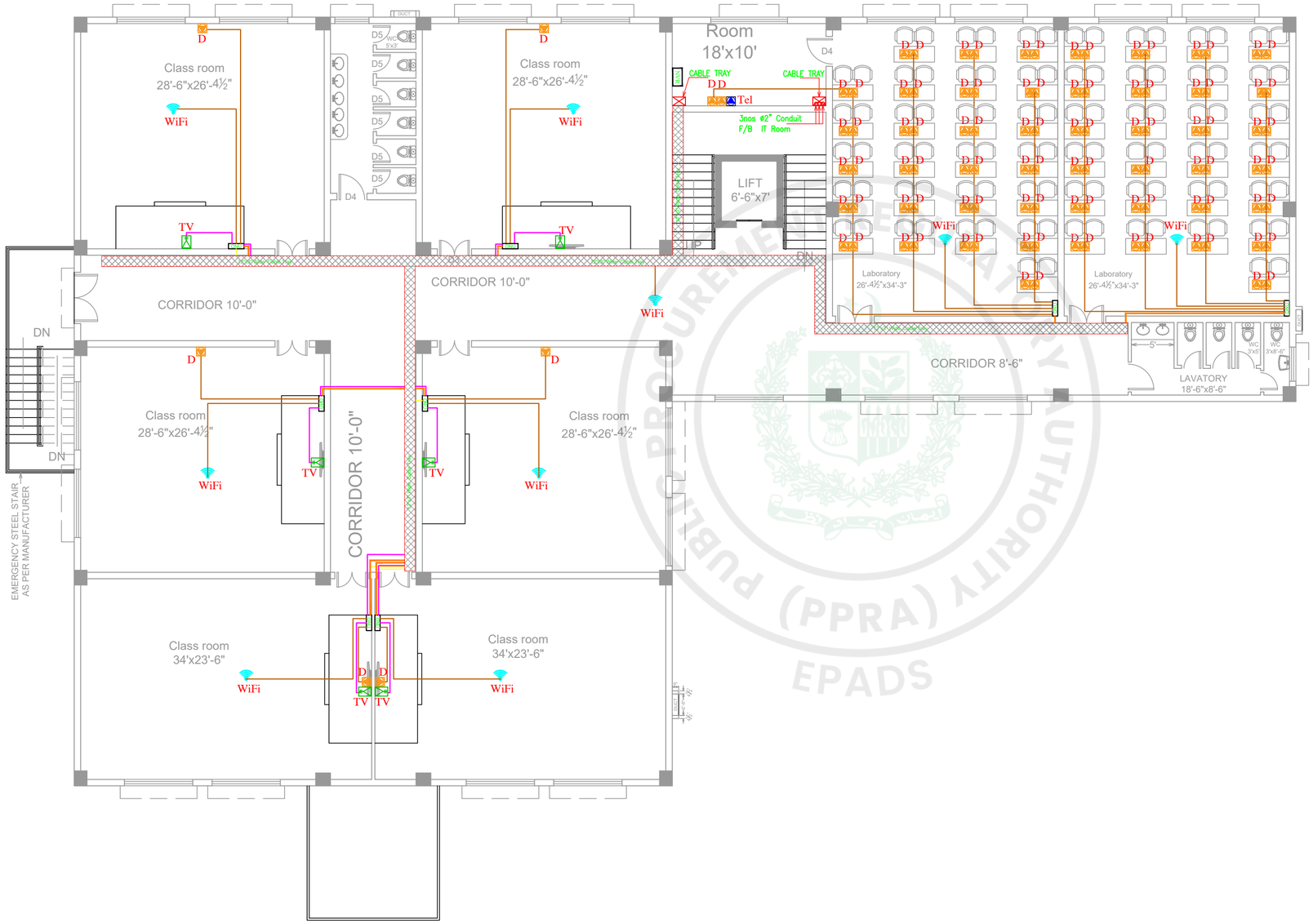
PROJECT.

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SHEET TITLE	UPPER GROUND FLOOR NETWORKING PLAN	
DRAWING NO. INST/09-26	SHEET NO. NW-3/5	DATE. 20 OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)
EPADS



FIRST FLOOR
NETWORKING PLAN

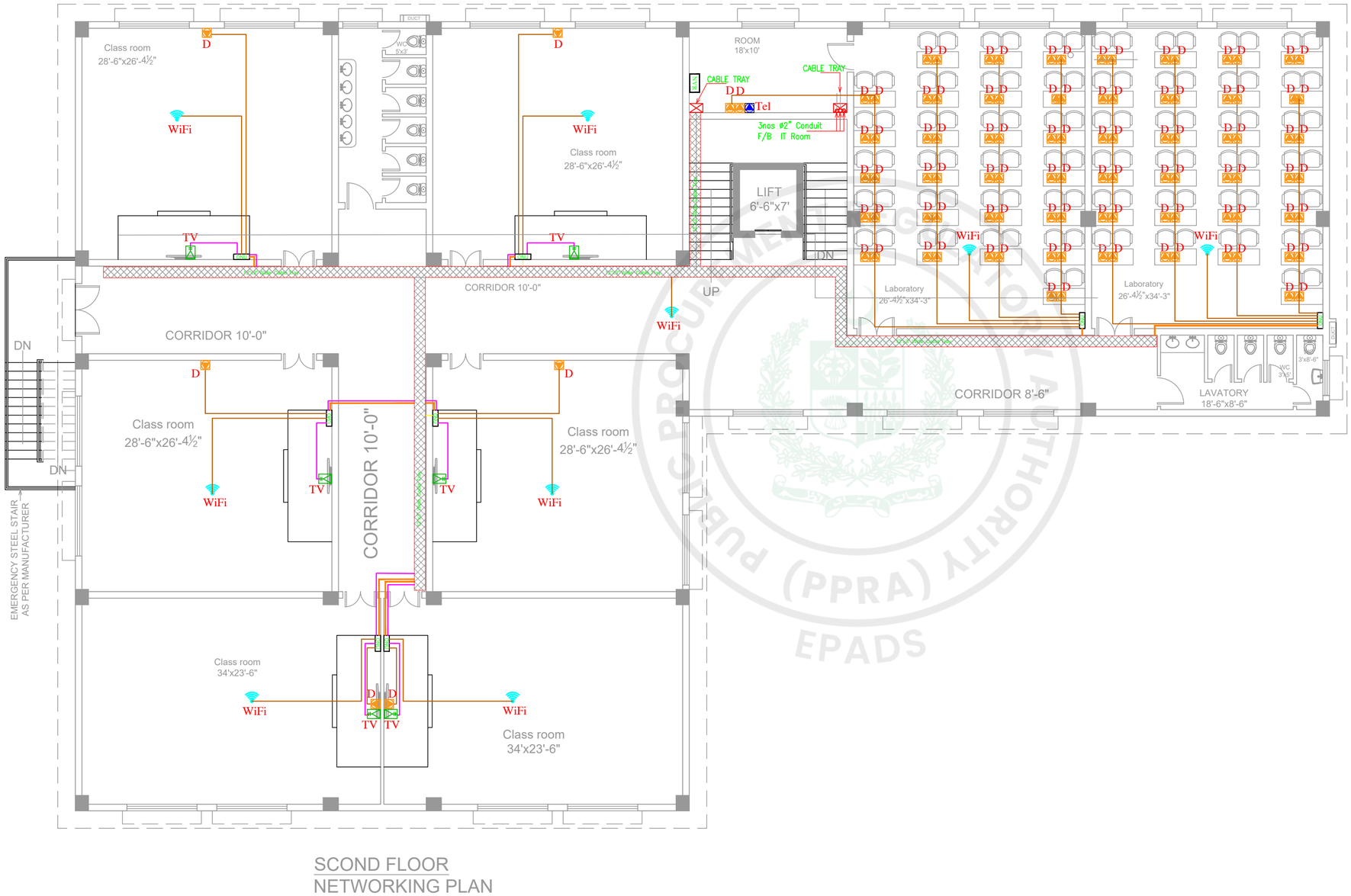
PROJECT.

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SHEET TITLE		
FIRST FLOOR CCTV & NETWORKING		
DRAWING NO.	SHEET NO.	DATE.
INST/09-26	NW-4/5	20 OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



SCOND FLOOR
NETWORKING PLAN

PROJECT.

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SHEET TITLE	SECOND. FLOOR NETWORKING PLAN	
DRAWING NO. INST/09-26	SHEET NO. NW-5/5	DATE. 20 OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

CCTV

Working Drawings List

CCTV-01	LEGEND AND NOTES
CCTV-02	LOWER FLOOR CCTV PLAN
CCTV-03	UPPER GROUND FLOOR CCTV PLAN
CCTV-04	FIRST FLOOR CCTV PLAN
CCTV-05	SECOND FLOOR CCTV PLAN
CCTV-05	CCTV SYSTEM SCHEMATIC DIAGRAM

PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

CCTV LEGEND:

S.NO.	SYMBOLS	DESCRIPTION
01		DOME CAMERA
02		BULLET CAMERA
03	CCTVC	CCTV JUNCTION BOAD OR PANNEL
04	———	4-PAIR CAT-6 UTP CABLE SEPERATE RUN IN CABLE TRAY
05	○	50mm Ø PVC CONDUIT

NOTES

1 : ALL CAMERA CABLES SHELL BE RUN IN INDEPENDENT PIPES.

2 : CABLES FOR CAMERA MUST BE ONE FEET AWAY FROM POWER CABLES.

3 : NETWORK VIDEO RECORDER SHALL BE UNDER SURVEILLANCE OF SECURITY STAFF.

4 : OPTICAL FIBER CABLES SHALL BE USE FOR CAMERA WIRING.

5 : THE QUANTITY AND LOCATION OF CAMERAS MAY BE CHANGED DEPENDING UPON THERE COVERAGE AREA AS PER MANUFACTURE DETAILS

6 : IF ANY DISCREPANCY ERROR OR OMISSION IF FOUND IN THE DRAWING THE CONTRACTOR SHALL IMMEDIATELY INFORM THE CONSULTANT PRIOR TO EXECUTION OF WORKS.

PROJECT.

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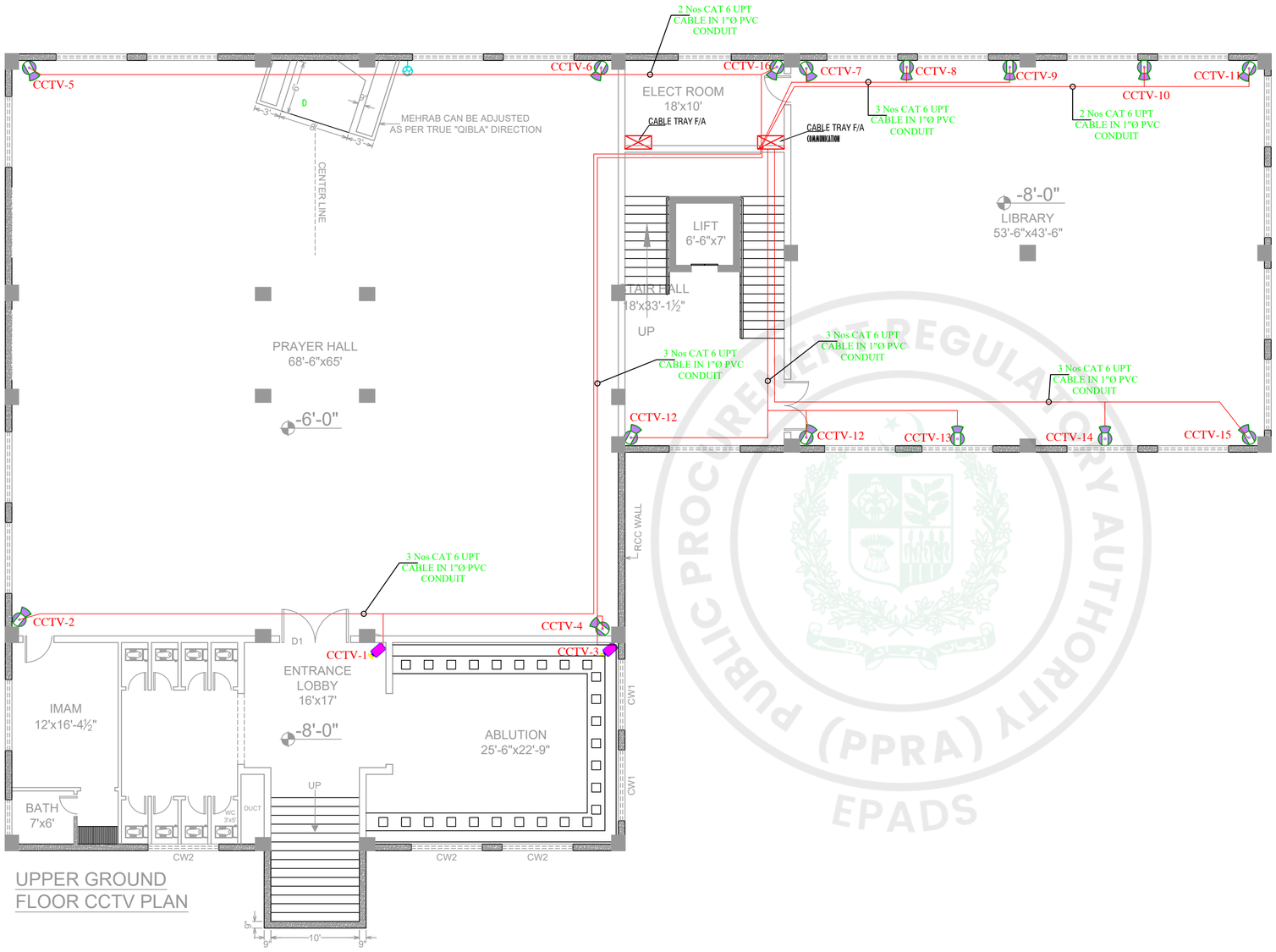
SHEET TITLE

LEGEND AND NOTES

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	CCTV-1/6	20 OCT 2026

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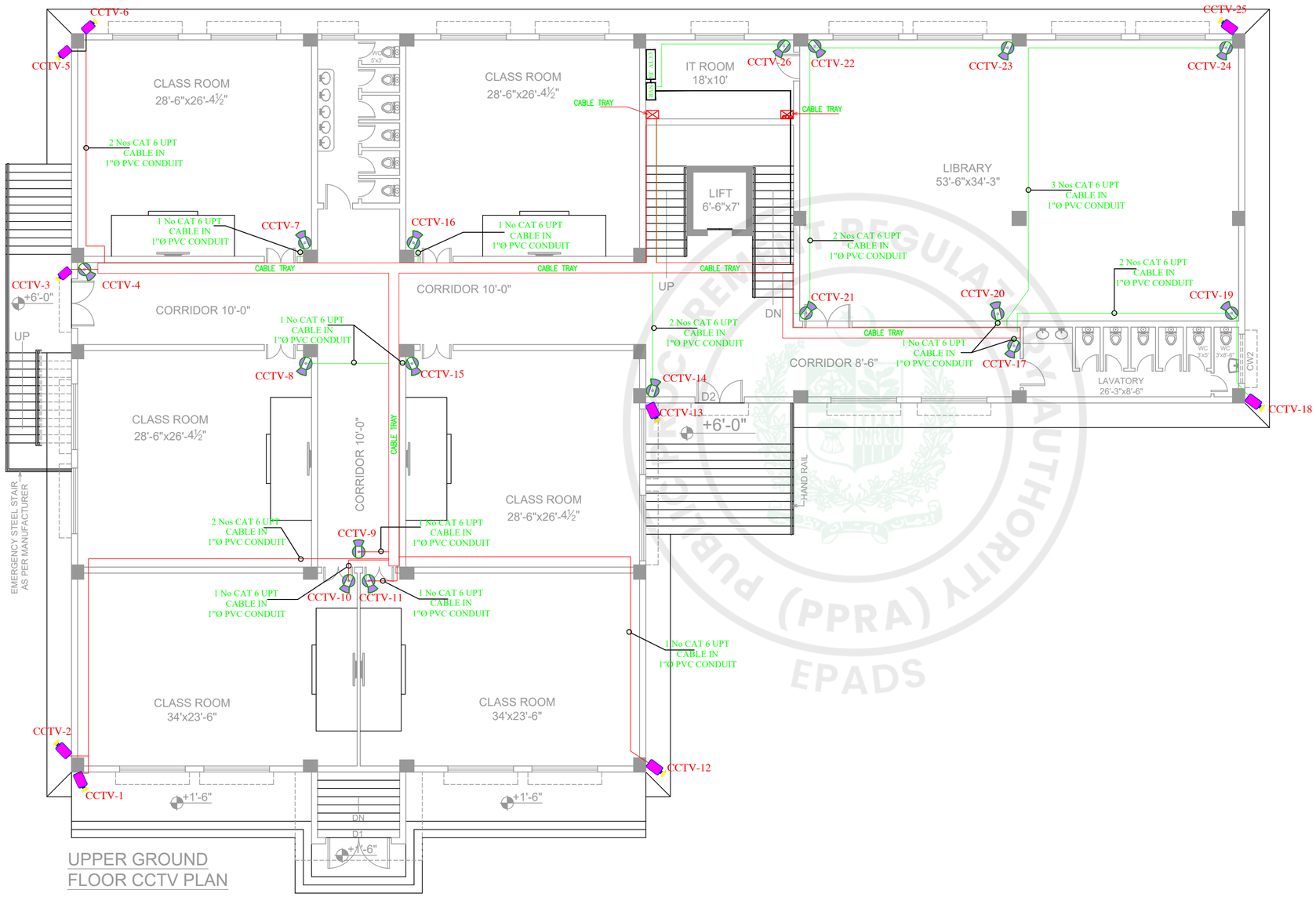
PROJECT.

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SHEET TITLE		
LOWER GROUND FLOOR CCTV PLAN		
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INST/09-26	CCTV-2/6	20 OCT 2026

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UPPER GROUND FLOOR CCTV PLAN

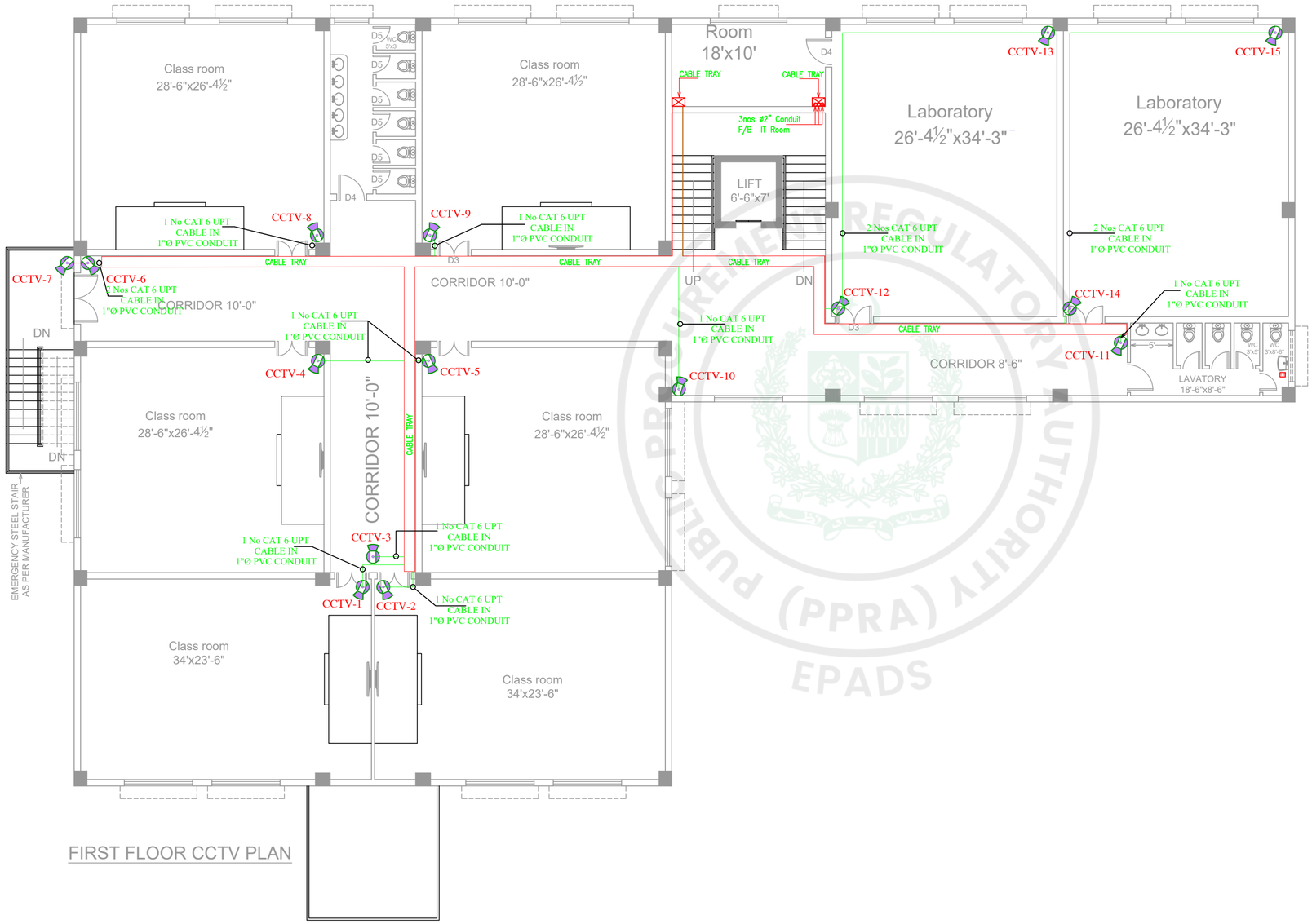
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SHEET TITLE: UPPER GROUND FLOOR CCTV PLAN		
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FIRST FLOOR CCTV PLAN

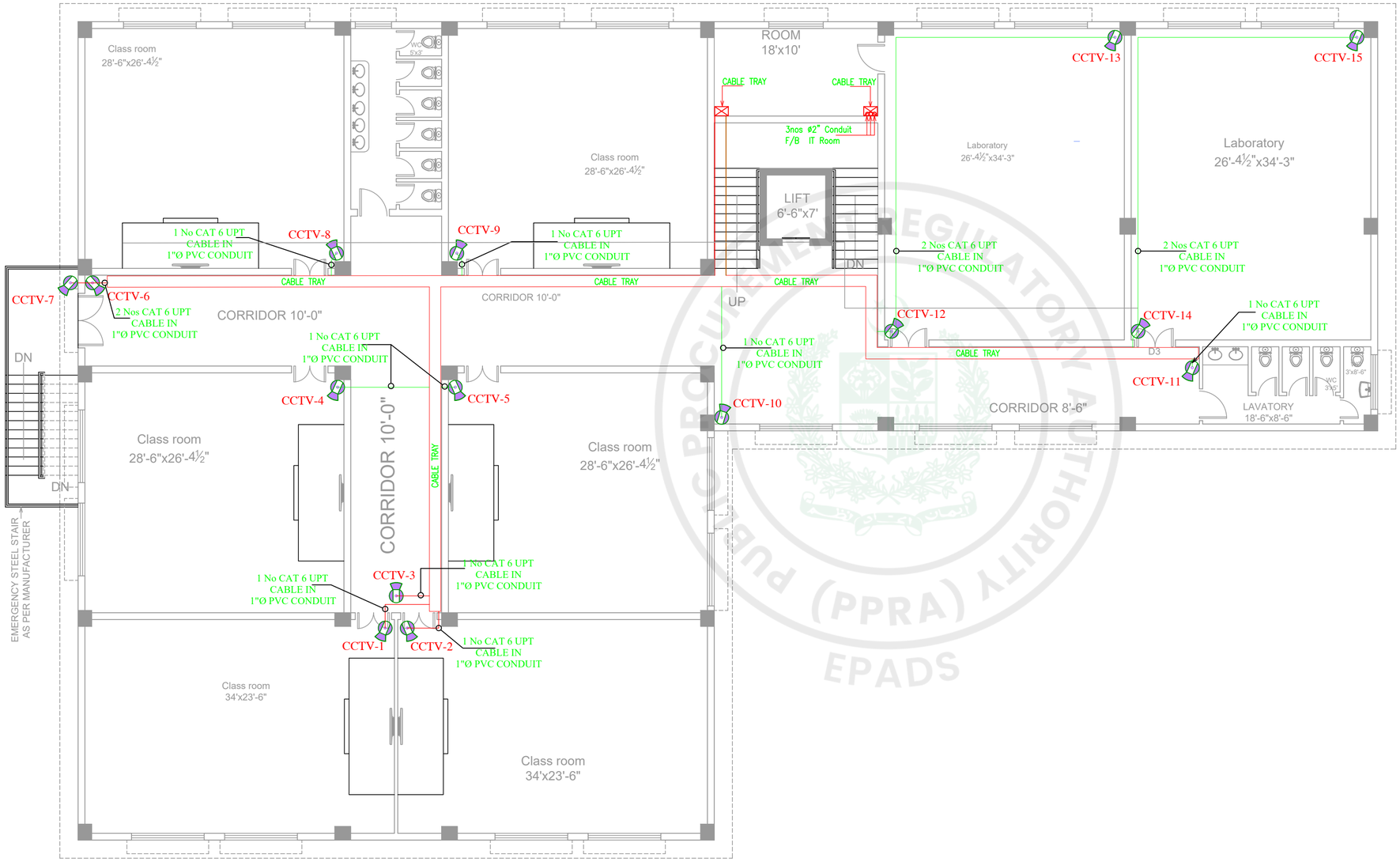
PROJECT.

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FIRST FLOOR CCTV PLAN		
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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)
EPADS



2nd FLOOR CCTV PLAN

PROJECT.

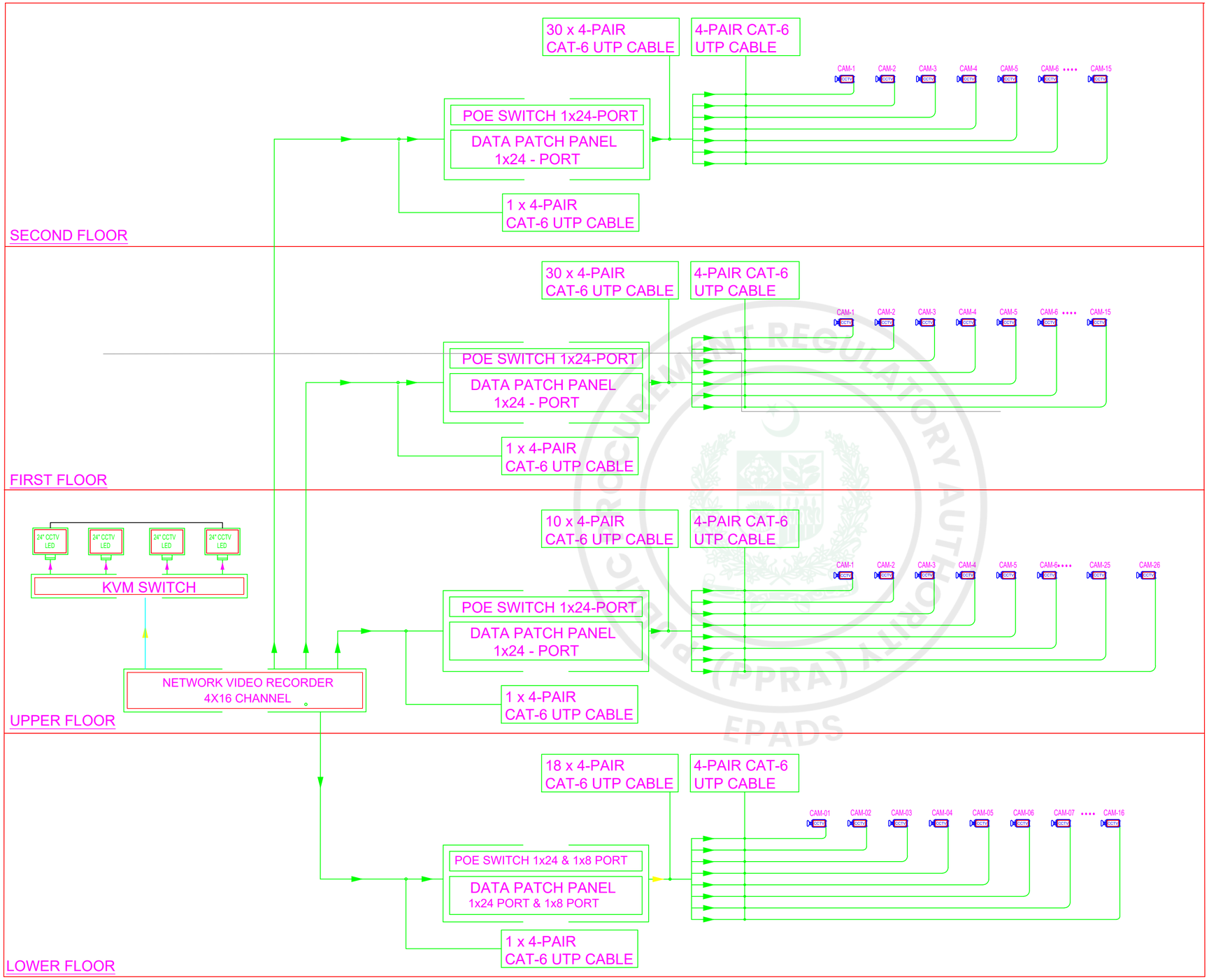
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SHEET TITLE
SECOND. FLOOR CCTV PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	CCTV-6/6	20 OCT 2026

WD
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CCTV SYSTEM SCHEMATIC DIAGRAM

PROJECT.

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SHEET TITLE: CCTV SYSTEM SCHEMATIC DIAGRAM

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	CCTV-5/5	20 OCT 2026

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ELECTRICAL

Working Drawings List

E-01	LEGEND AND NOTES
E-02	LOWER FLOOR ELECTRICAL PLAN
E-03	LOWER FLOOR SOCKETS ,CCTV& NETWORKING PLAN
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E-14	SUB MAIN PANEL A&B & MAIN PANEL

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) e-PAK ACQUISITION & DISPOSAL SYSTEM (EPADS)

LEGEND

S/NO	DESCRIPTION	SYMBOLS	MOUNTING HEIGHT	S/NO	DESCRIPTION	SYMBOLS	MOUNTING HEIGHT
1	CHANDELIER		HANGING ON SLAB	23	CABLE (CAT 5) 4 PAIR		RUN UNDER SLAB
2	CEILING LED LIGHT 15 WATT		ON SLAB	24	INTERCOM SOCKET		0'-9" F.F.L ON WALL OR AS REQ
3	CEILING LED LIGHT 10 WATT		ON SLAB	25	CABLE (CAT 5) 4 PAIR		RUN UNDER SLAB
4	CEILING LED LIGHT 12 WATT		ON SLAB	26	DATA CABLE / INTERNET POINT		0'-9" F.F.L ON WALL OR AS REQ
5	CEILING LED 2'x2' PANEL LIGHT 36/40 WATT		ON SLAB	27	CABLE (CAT 6)		RUN UNDER SLAB
6	MIRROR LIGHT LED 10 WATT		8'-0" F.F.L ON WALL OR AS REQ	28	HOME RUN TO DB SHOWING CIRCUIT NO.	0	
7	CEILING SURFACE MOUNTED WALL STAIR LIGHT 8 WATT			29	EARTH		
8	BULK HEAD LIGHT 15 WATT		8'-0" F.F.L ON WALL OR AS REQ	30	CONCEALED WIRING NORMAL		RUN UNDER SLAB
9	MULTI GANG SWITCH BOARD		4'-6" F.F.L ON WALL OR AS REQ	31	COMMUNICATION DB		AS REQ
10	TWO WAY SWITCH BOARD		ON SLAB	32	DISTRIBUTION BOARD(DB)		4'-6" F.F.L ON WALL OR AS REQ
11	CEILING FAN 56 INCH SWEEP		ON SLAB	33	MAIN PANEL		
12	WALL BRACKET FAN 45 CM SWEEP		8'-0" F.F.L ON WALL OR AS REQ	34	TELEPHONE & T.V JUNCTION BOX (TEL&TVJB)		4'-6" F.F.L ON WALL OR AS REQ
13	METAL BODY EXHAUST FAN & PLASTIC BODY EXHAUST FAN		8'-0" F.F.L ON WALL OR AS REQ	35	ENERGY METER	M	4'-6" F.F.L ON WALL OR AS REQ
14	3 PIN SWITCH SOCKET 5 AMP		GENERAL 0'-9" F.F.L SIDES OF BED 2'-0" F.F.L	36	MCCB 3- POLE		AS PER WAPDA STANDARDS
15	3 PIN SWITCH SOCKET 10 AMP		IN BATHROOM ALONG MIRROR	37	MCB 1- POLE		IN D.B
16	3 PIN SWITCH SOCKET 15 AMPS (POWER PLUG)		0'-9" F.F.L ON WALL OR AS REQ	38	WALL MOUNTED A.C		8'-0" F.F.L ON WALL OR AS REQ
17	3 PIN SWITCH SOCKET 20 AMPS (FOR AC)		8'-0" F.F.L ON WALL OR AS REQ	39	3 PIN SWITCH SOCKET 20 AMPS (FOR AC)		8'-0" F.F.L ON WALL OR AS REQ
18	TV CABLE POINT		0'-9" F.F.L ON WALL OR AS REQ	40	FLOOR STANDING UNIT (FSU)		ON FLOOR
19	CABLE (RJ-7)		RUN UNDER SLAB	41	DOME CAMERA		AS REQ
20	TELEPHONE SOCKET		0'-9" F.F.L ON WALL OR AS REQ	42			
21	35W WALL MOUNTED SPEAKER		0'-9" F.F.L ON WALL OR AS REQ	43			
22	AMPLIFIER	AMP					

NOTES

S. NO	DESCRIPTION
1	THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL THE DRAWINGS BEFORE START OF WORK AND SHALL COORDINATE WITH ALL OTHER SERVICES.
2	MEP SERVICES SHALL NOT CUT ANY STRUCTURAL BEAMS, RIBS OR ANY OTHER STRUCTURAL ELEMENTS UNLESS APPROVED BY STRUCTURE ENGR.
3	ALL ELECTRICAL OPERATED EQUIPMENT SHALL HAVE EARTH CONNECTION.
4	CONTRACTOR SHALL TAKE APPROVAL OF MATERIAL FROM OWNER / COMPETENT AUTHORITY PRIOR TO INSTALLATION.
5	MAIN AND SUB TELEPHONE / TV JUNCTION BOX SHALL BE PROVIDED, WHERE REQUIRED / NECESSARY.
6	USE SEPARATE CONDUIT FOR EVERY CIRCUIT COMING OUT OF D.Bs AND PROVIDE JUNCTION BOX, WHERE REQUIRED FOR PULLING OF ELECTRICAL WIRE
7	CONDUIT FOR WIRING OF ELECTRICAL SOCKETS, TV AND TELEPHONE SHALL BE LAID IN FLOOR / WALL.
8	TELEPHONE AND TV CABLES MUST BE SEPARATED FROM POWER CABLES.
9	THE LOCATION OF OUTLETS, SWITCHES, FITTINGS, FIXTURES AND EQUIPMENTS ARE ONLY INDICATIVE, IN CASE THE SITE CONDITIONS NECESSITATE ANY CHANGE, THE DIRECTION OF ENGINEER-IN-CHARGE SHALL BE FOLLOWED.
10	NO LUBRICATION EXCEPT AS RECOMENDED BY MANUFACTURER SHALL BE USED FOR PULLING OF WIRES IN PVC CONDUITS.
11	ALL NON CURRENT CARRYING METAL PARTS & OUTER CASING OF EQUIPMENT SHALL BE CONNECTED TO THE GROUNDING / EARTHING SYSTEM AT REQUIRED NUMBER OF POINTS WITH SPECIFIED SIZE OF CONDUCTOR.
12	NETWORK VIDEO RECORDER (NVR) PROPOSED IN STAFF ROOM AT GROUND FLOOR, HOWEVER, THE LOCATION OF NVR MAY BE CHANGED KEEPING IN VIEW THE USER / MANUFACTURER REQUIREMENT.
13	DASHED LINES CONNECTING SWITCH BOARD TO VARIOUS OUTLETS DONOT SHOW EXACT PATHS OF WIRES/CONDUITS BUT MERELY REPRESENT PLANS FOR SWITCHING LIGHTS, FANS ETC. THE ARROW HEADS & DIGITS IN CIRCLES INDICATE HOME RUN TO CIRCUIT NUMBER OF DB.
14	THE HEIGHT FROM THE FLOOR LEVEL TO BOTTOM OF FITTINGS SHALL BE AS FOLLOWS:-

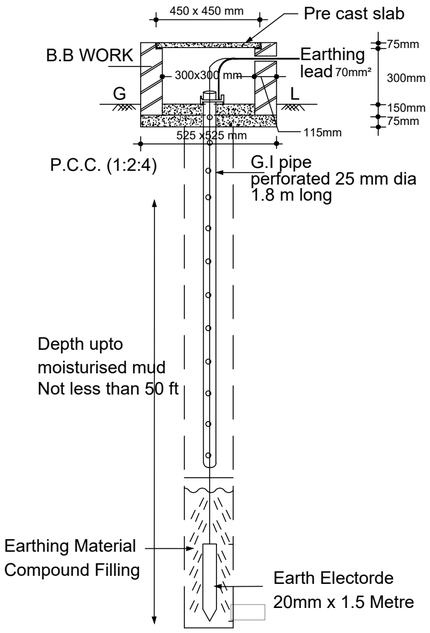
I.	DISTRIBUTION BOARD (D.B)	5' - 9"
II.	PENDANT AND INTERIOR BRACKET LIGHT	5' - 9"
III.	SWITCH BOARD FOR LIGHTING SWITCHES AND FAN REGULATOR	3' - 3"
IV.	SOCKET OUTLET 5 AMP ON WALL BEHIND SIDE TABLE OF BEDS.	1' - 6"
V.	SOCKET OUTLET 5 AMP GENERAL	0' - 9"
VI.	SOCKET OUTLET 20 AMP FOR AC (CORD / CONNECTION LEAD FROM INDOOR AC UNIT TO SOCKET SHOULD BE CONCEALED IN WALL)	0' - 9"
VII.	TELEPHONE / INTERCOM SOCKET OUTLET	0' - 9"

CABLE SIZE COMPARISON TABLE

METRIC	IMPERIAL
1.5 mm²	3 / 0.029
2.5 mm²	7 / 0.029
4 mm²	7 / 0.036
6 mm²	7 / 0.044
16 mm²	7 / 0.064
25 mm²	19 / 0.052

1: In bath, kitchen and laundry.
Electric sockets will be provided with GFCI Outlets
2: In place of AC Sockets 20Amp.
One way switch 30Amp will be provided

1. LIGHTS/FAN SWITCHES/DIMMERS BOXES BOTTOM LEVEL BE PEROXIDE 3'-0" 91CM FROM F.F.L
2. S/SOCKETS BOXES BOTTOM LEVEL BE PEROXIDE 0'-9" 23CM FROM F.F.L
3. S/SOCKETS FROM AC BE PEROXIDE NEAR AC,S BASE LEVEL RIGHT OR LEFT AS PER SITE REQUIREMENT



SPECIAL Earth

GROUND FLOOR ELECTRICAL PLAN

PROJECT.

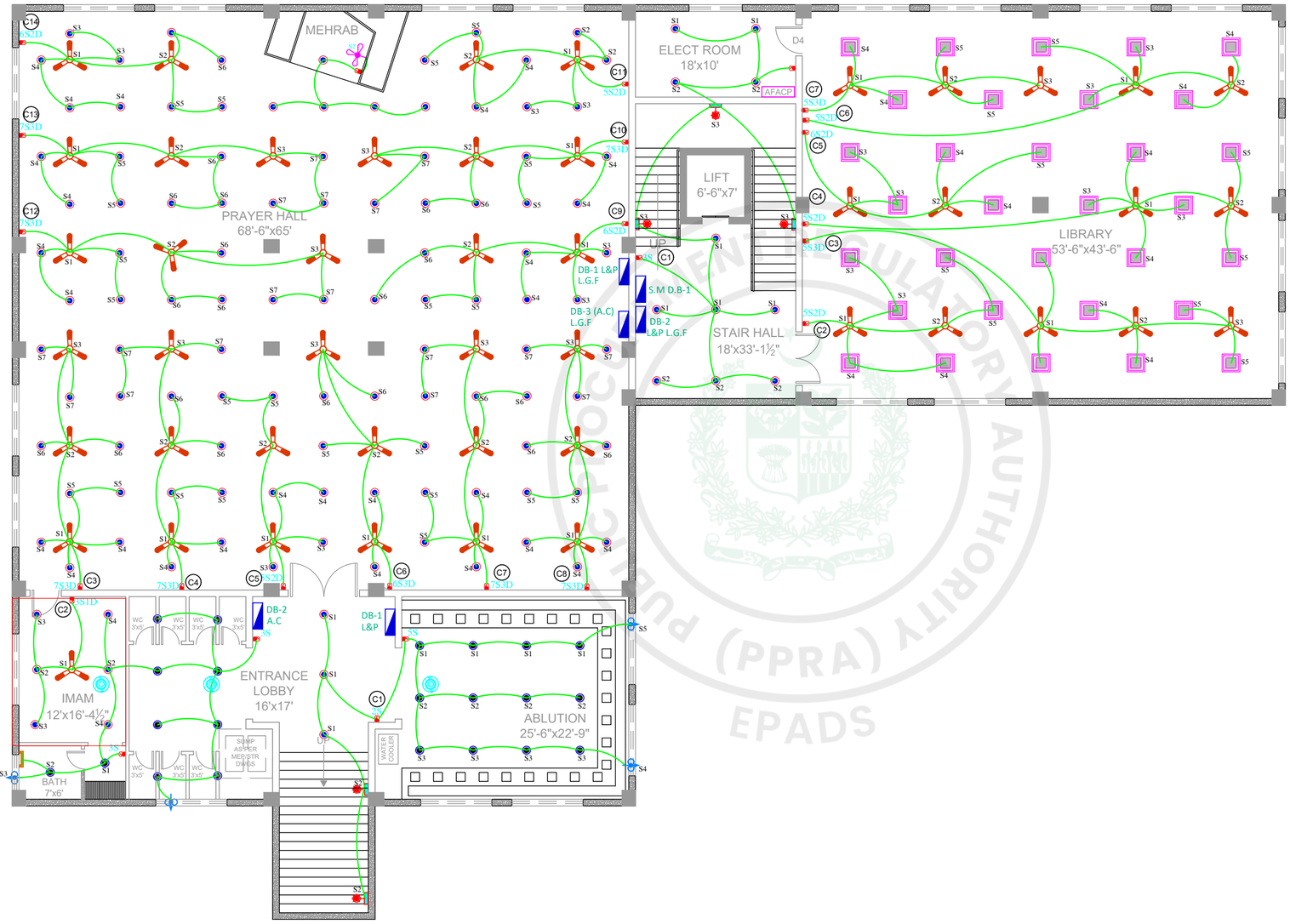
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SHEET TITLE

LOWER GROUND FLOOR PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-1/15	20 OCT 2026

EPADS



LOWER GROUND FLOOR ELECTRICAL PLAN

PROJECT.

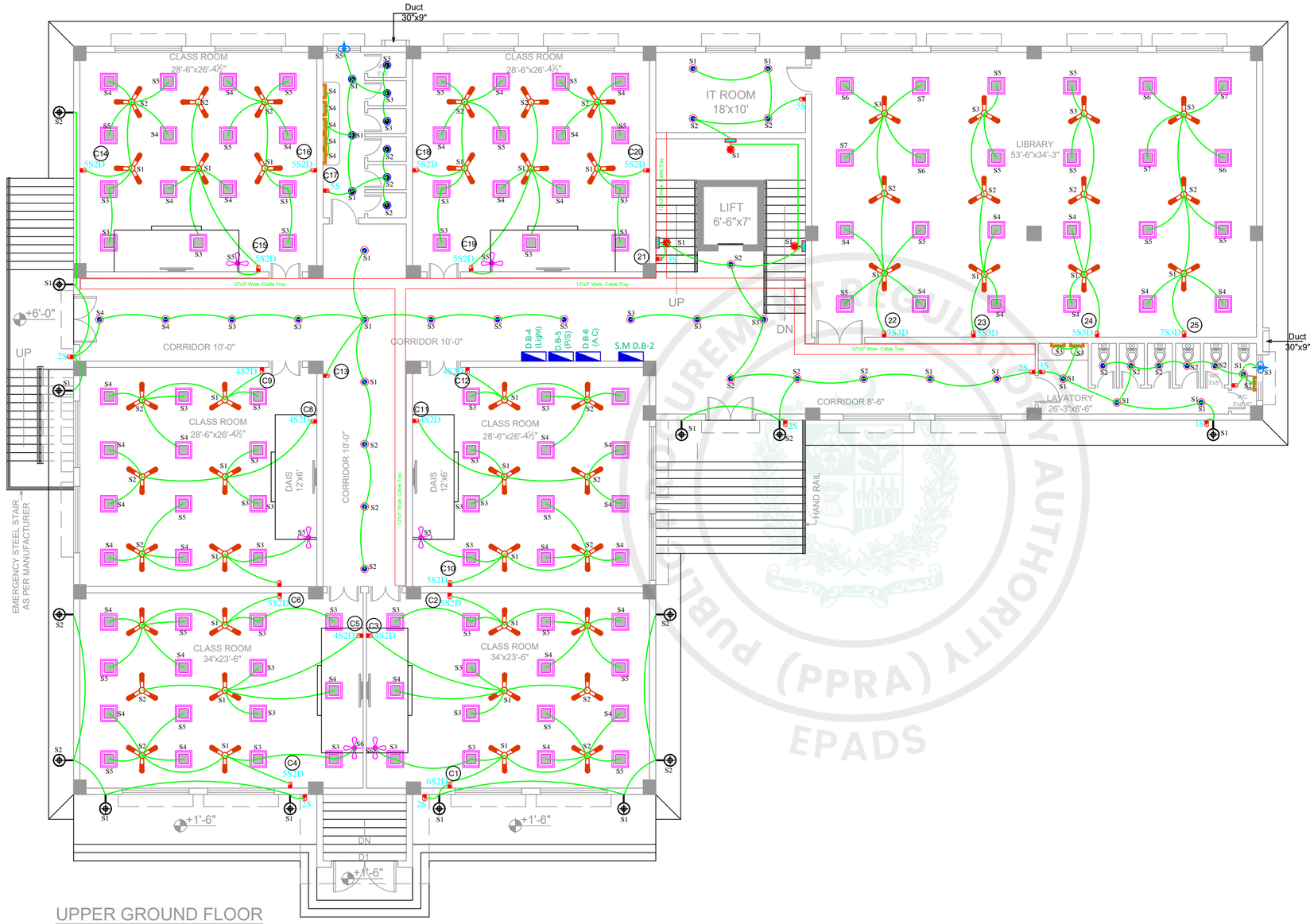
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SHEET TITLE
LOWER GROUND FLOOR ELECTRICAL PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-2/15	2O OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



UPPER GROUND FLOOR
ELECRICAL PLAN

PROJECT.

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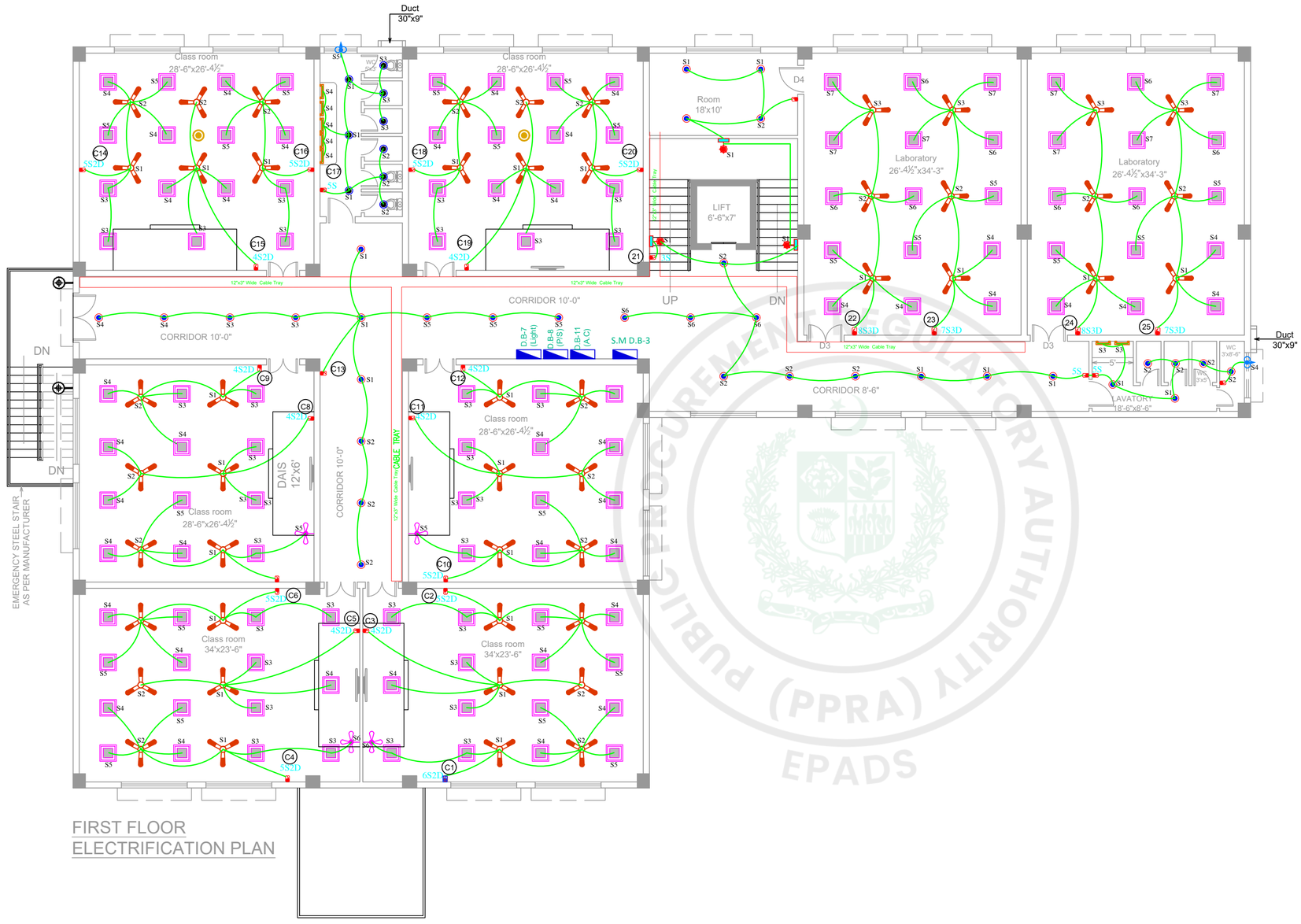
SHEET TITLE

UPPER GROUND FLOOR ELECRICAL PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-5/15	2O OCT 2026

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FIRST FLOOR
ELECTRIFICATION PLAN

PROJECT.

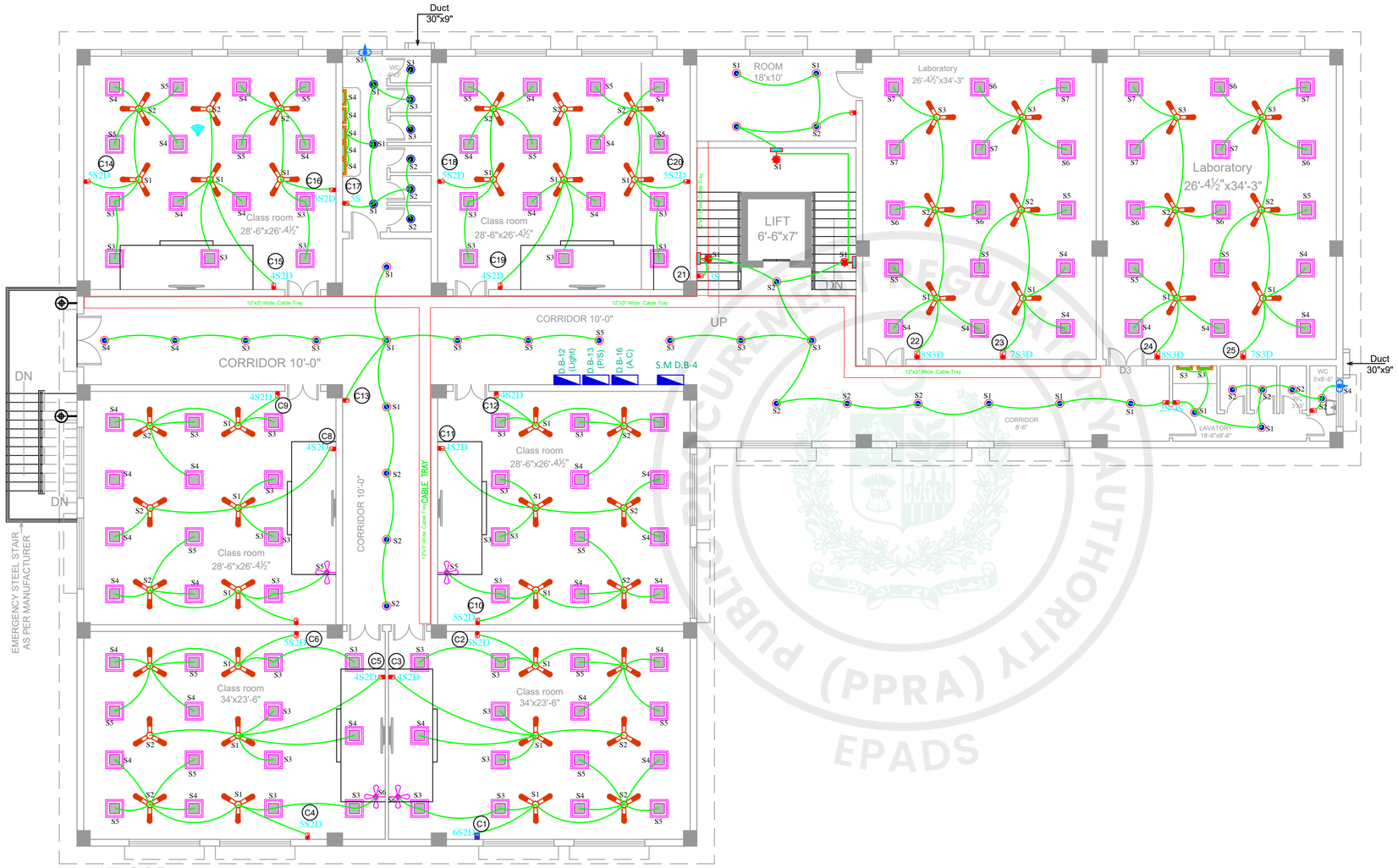
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SHEET TITLE
FIRST FLOOR ELECTRICAL PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-8/15	2O OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



2nd FLOOR
ELECTRIFICATION PLAN

PROJECT.

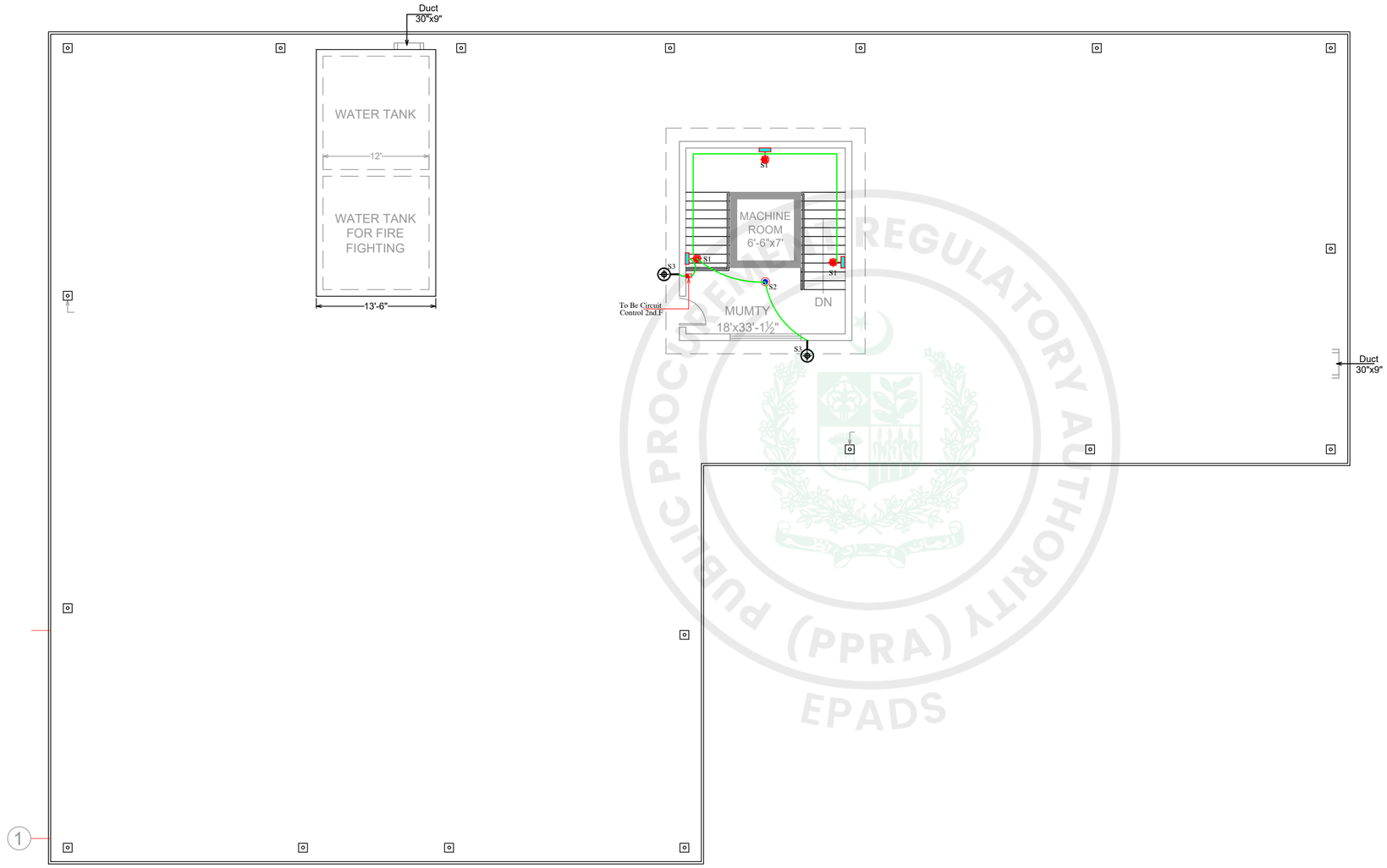
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SHEET TITLE
SECOND FLOOR ELECTRIAL PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-11/15	2O OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



MUMTY ELETRICAL PLAN

PROJECT.

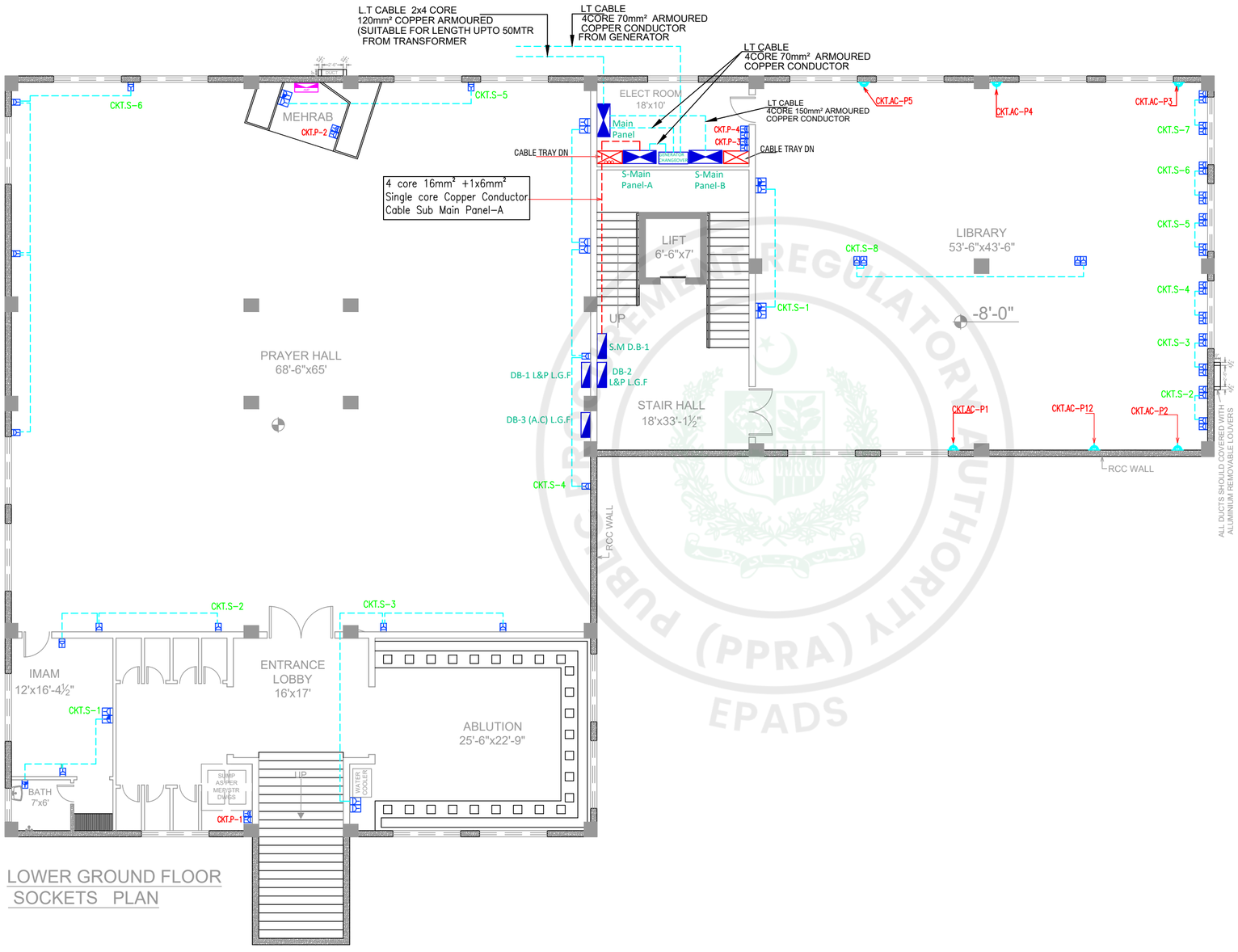
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SHEET TITLE
MUMTY ELECTRICAL PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	A-14/15	2O OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



LOWER GROUND FLOOR
SOCKETS PLAN

PROJECT.

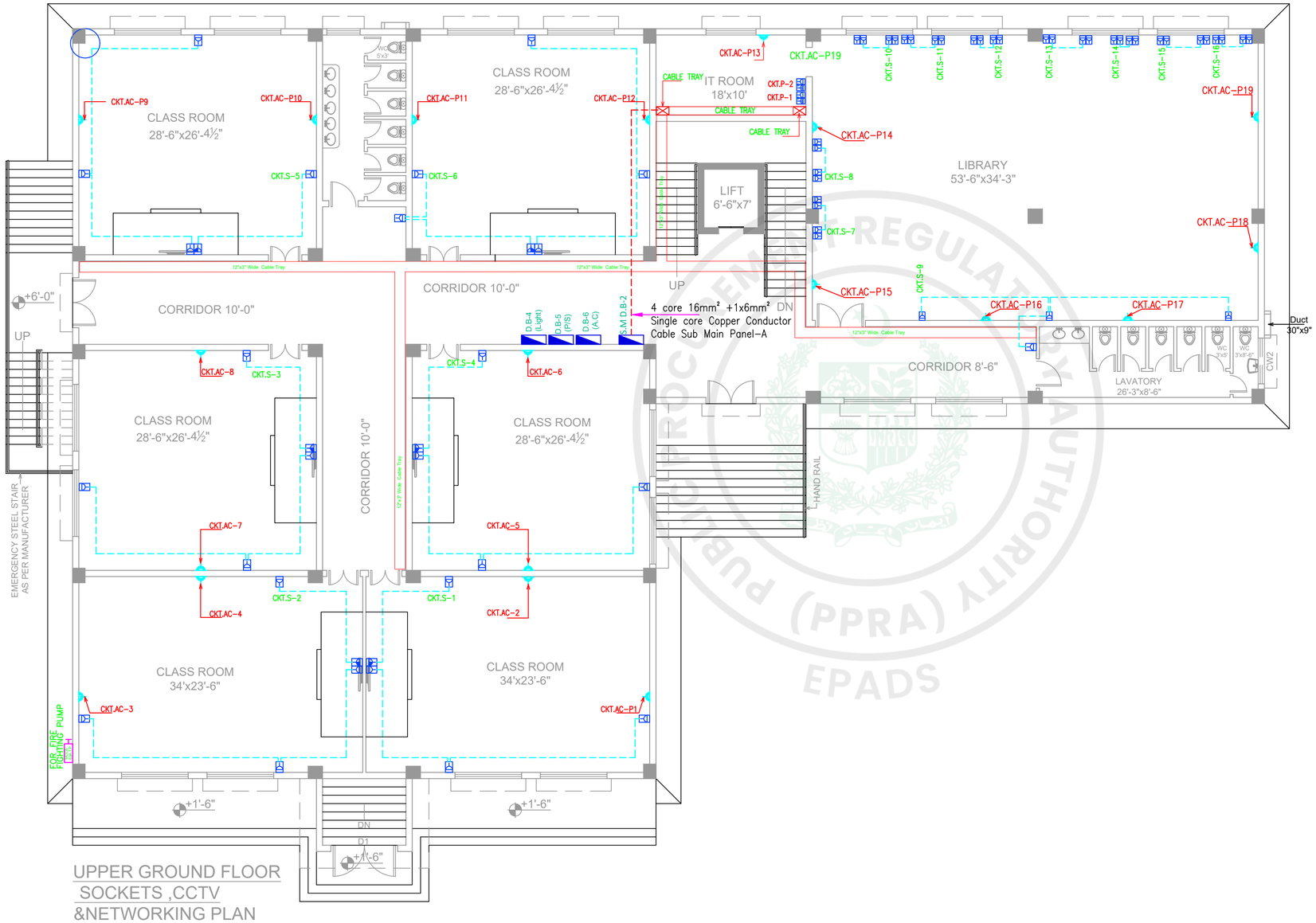
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SHEET TITLE
LOWER GROUND FLOOR SOCKETS PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-3/15	2O OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)
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UPPER GROUND FLOOR SOCKETS ,CCTV &NETWORKING PLAN

PROJECT.

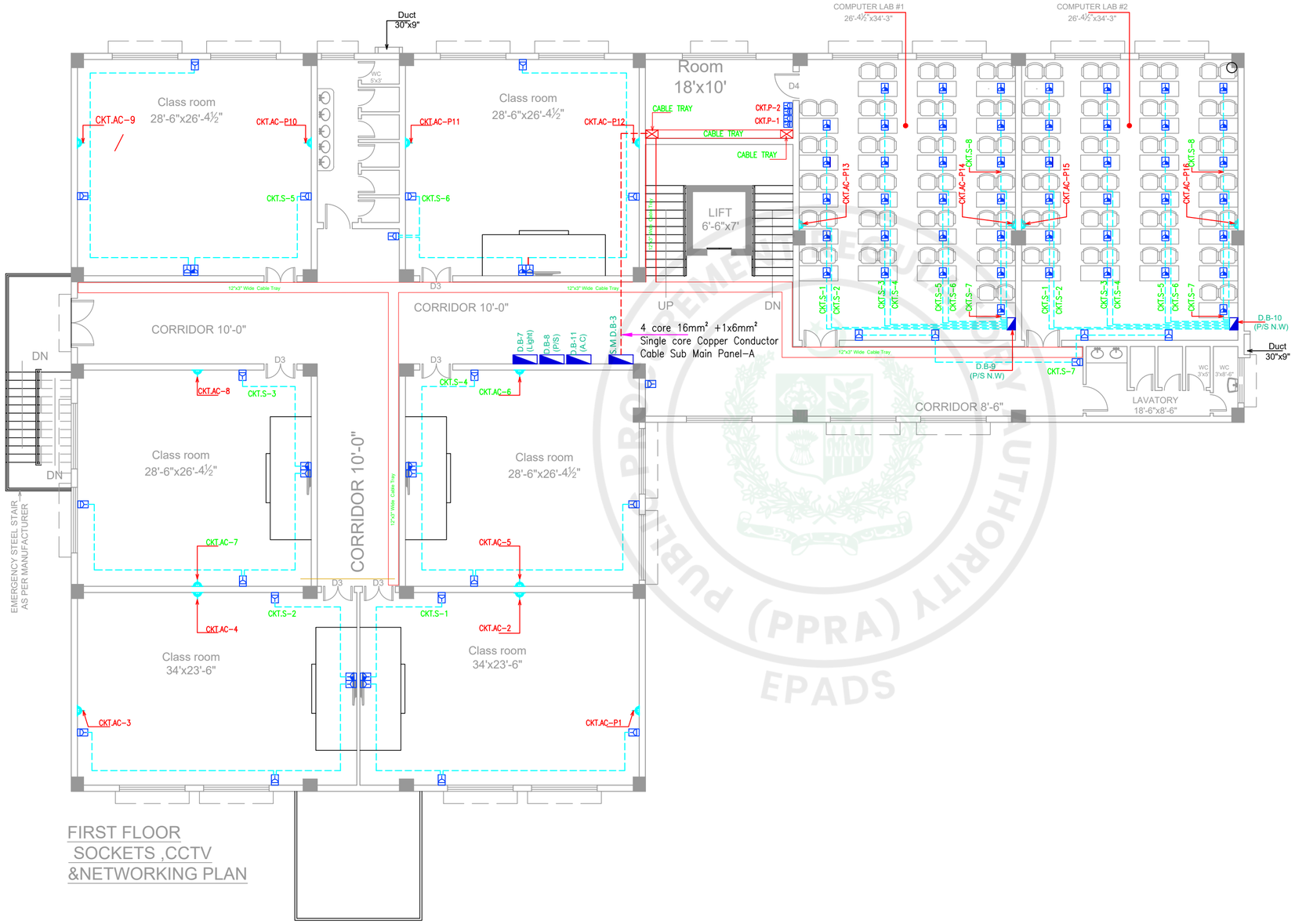
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SHEET TITLE
UPPER GROUND FLOOR SOCKETS PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-6/15	2O OCT 2026

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PROCUREMENT REGULATORY AUTHORITY (PPRA) PUBLIC
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FIRST FLOOR
SOCKETS ,CCTV
&NETWORKING PLAN

PROJECT.

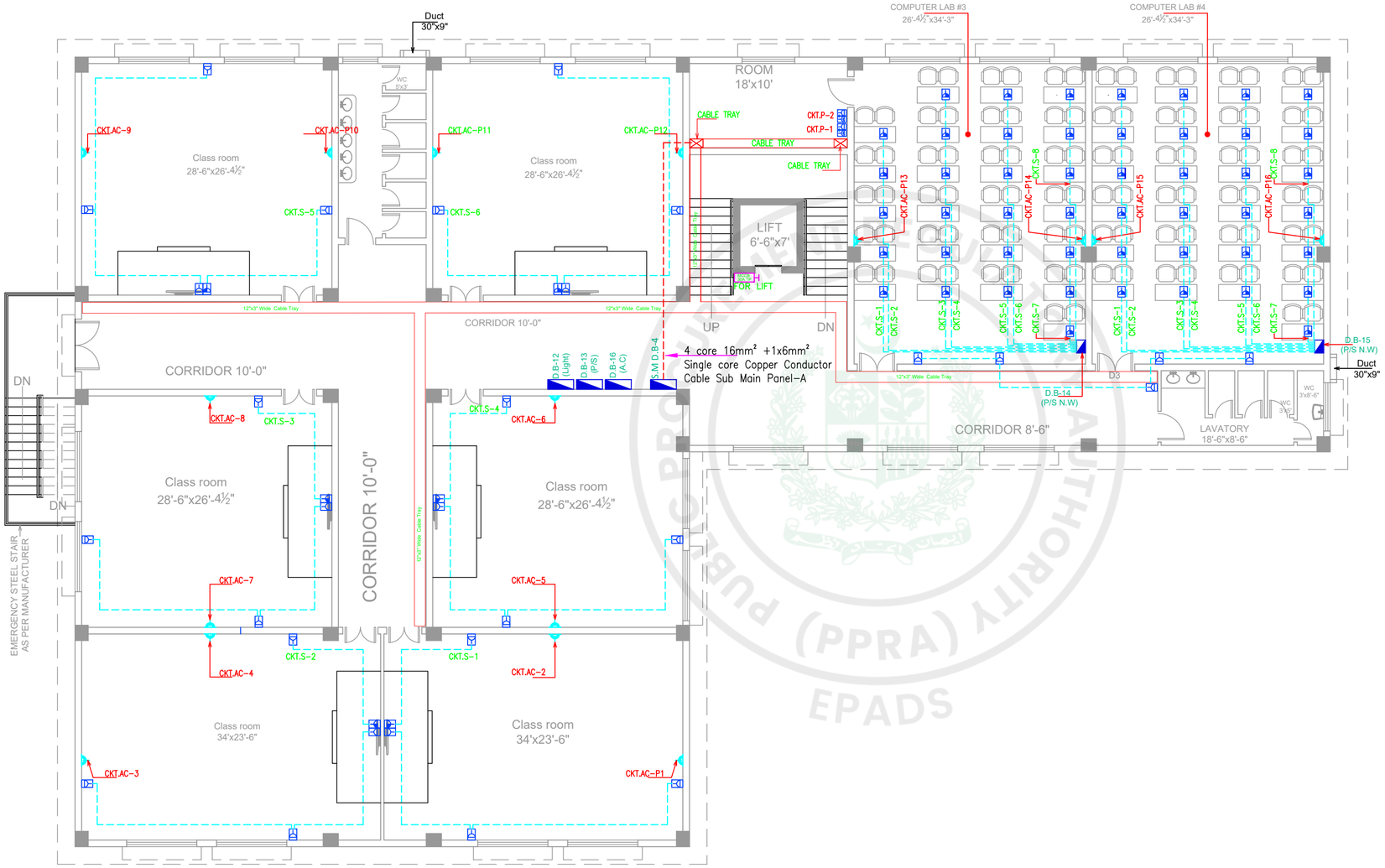
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SHEET TITLE
FIRST FLOOR SOCKETS PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-9/15	2O OCT 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



2nd FLOOR SOCKETS,
CCTV &NETWORKING PLAN

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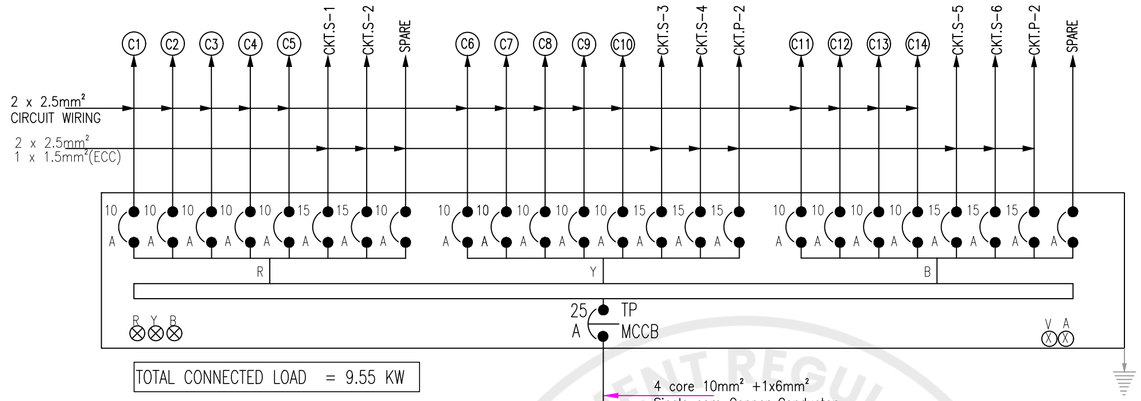
SHEET TITLE
SECIOND FLOOR SOCKETS PLAN

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-12/15	2O OCT 2026

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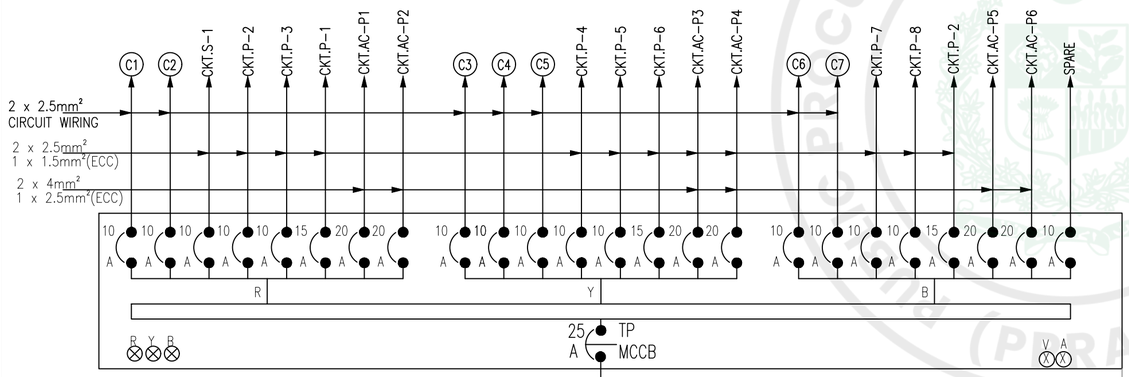
D.B-01 LIGHT& POWER SOCKETS L.G.F FLOOR MOSQUE AREA



TOTAL CONNECTED LOAD = 9.55 KW

4 core 10mm² +1x6mm²
Single core Copper Conductor
Cable From S.M.D.B-1

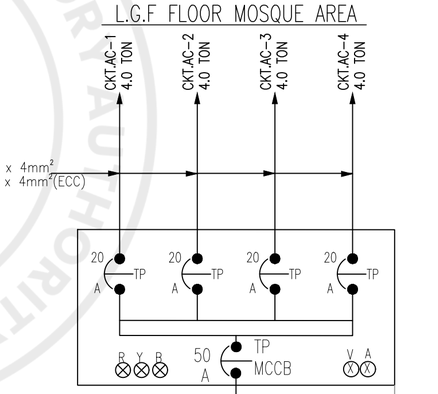
D.B-02 LIGHT & POWER SOCKETS L.G.F FLOOR LIBRARY AREA



TOTAL CONNECTED LOAD = 8.50 KW

4 core 10mm² +1x6mm²
Single core Copper Conductor
Cable From S.M.D.B-1

D.B-03 A.C FLOOR STANDING L.G.F FLOOR MOSQUE AREA

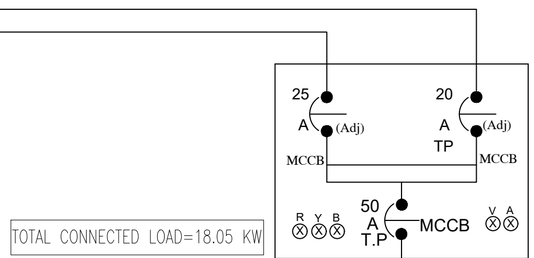


TOTAL CONNECTED LOAD = 19.20 KW

A.C 4x4800 = 19200 KW

4 core 16mm² +1x6mm²
Single core Copper Conductor
Cable From Main Panel-B

SUB MAIN D.B-1



TOTAL CONNECTED LOAD=18.05 KW

4 core 16mm² +1x6mm²
Single core Copper Conductor
Cable Sub Main Panel-A

SPECIAL EARTH

PROJECT.

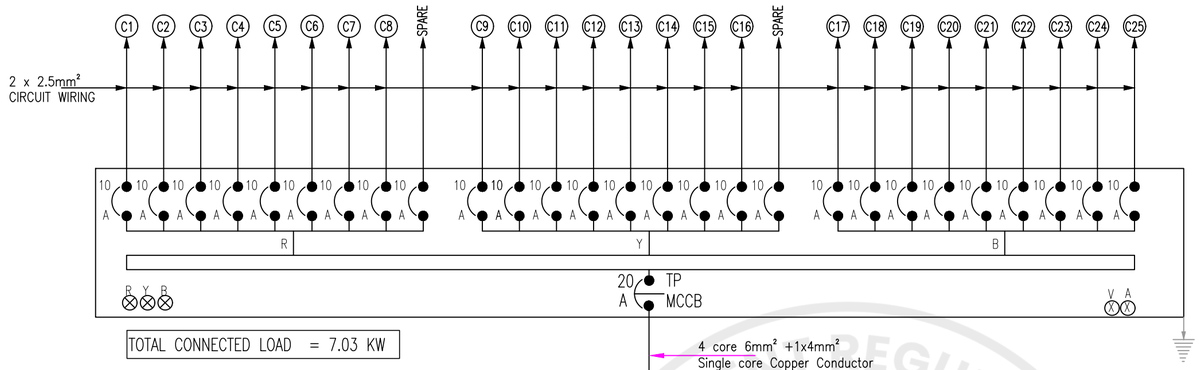
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SHEET TITLE	LOWER GROUND FLOOR DETAIL OF D.Bs	
DRAWING NO. INST/09-26	SHEET NO. E-4/15	DATE. 20 OCT 2026

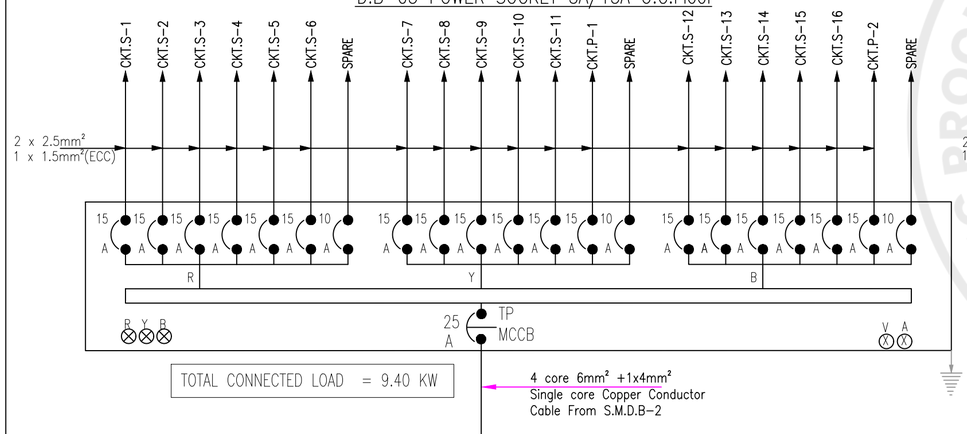
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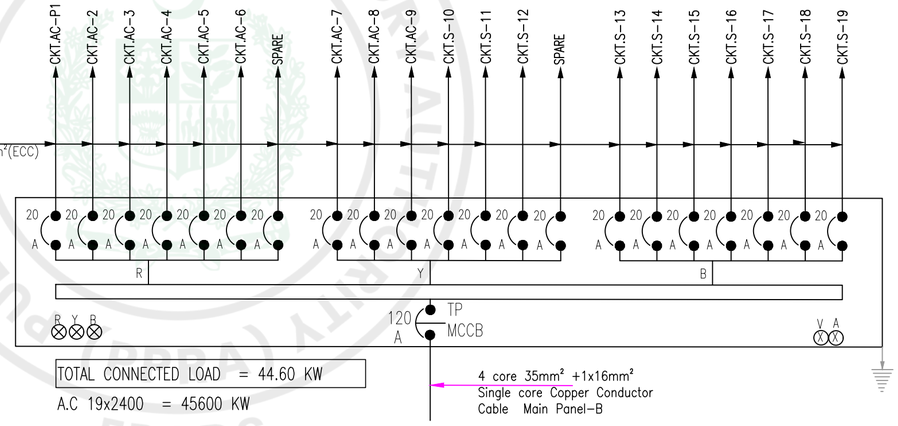
D.B-04 LIGHT U.G.F



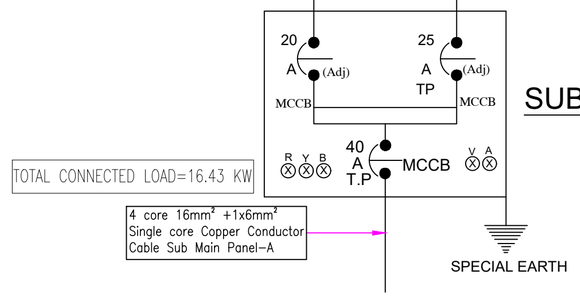
D.B-05 POWER SOCKET 5A/15A U.G.Floor



D.B-06 POWER SOCKET 20A (A.C) U.G.F



SUB MAIN D.B-2



PROJECT.

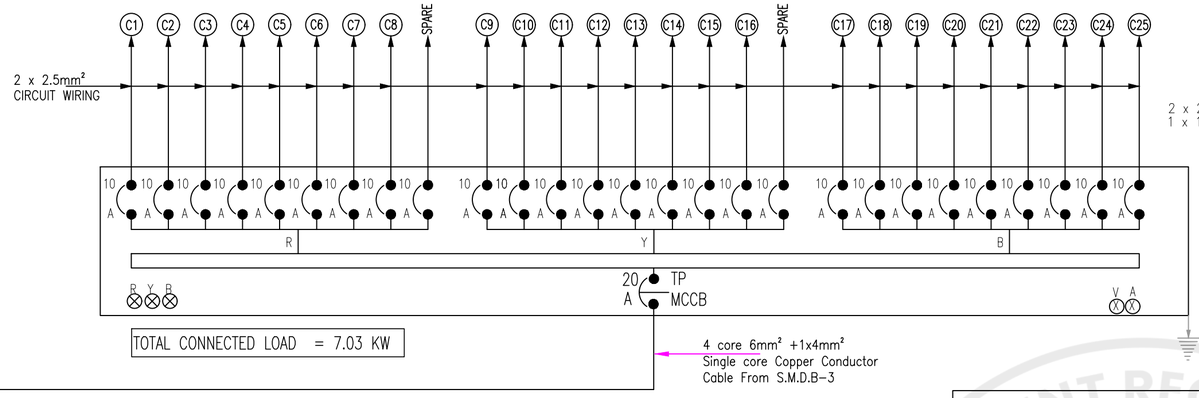
AIR UNIVERSITY ISLAMABAD
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SHEET TITLE		
UPPER GROUND FLOOR DETAIL OF D.Bs		
DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-7/15	20 OCT 2026

WD
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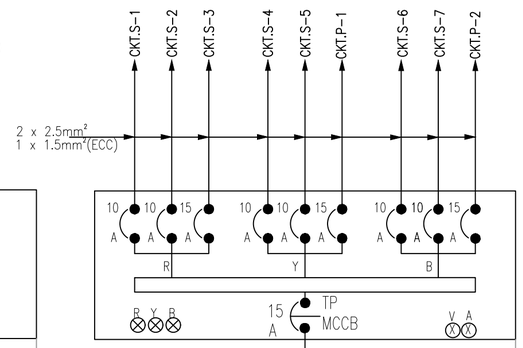
D.B-07 LIGHT FIRST FLOOR



TOTAL CONNECTED LOAD = 7.03 KW

4 core 6mm² +1x4mm²
Single core Copper Conductor
Cable From S.M.D.B-3

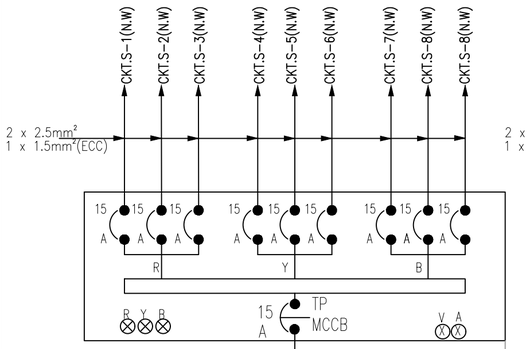
D.B-08 POWER SOCKET 5A/15A FLOOR FLOOR



TOTAL CONNECTED LOAD=5.60 KW

4 core 4mm² +1x2.5mm²
Single core Copper Conductor
Cable From S.M.D.B-3

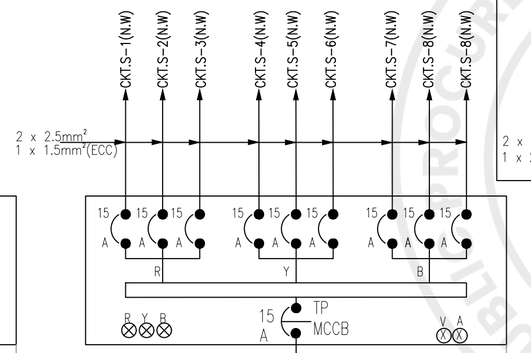
D.B-9 POWER SOCKET NETWORKING COMPUTER LAB-1 F Floor



TOTAL CONNECTED LOAD=4.80 KW

4 core 4mm² +1x2.5mm²
Single core Copper Conductor
Cable From S.M.D.B-3

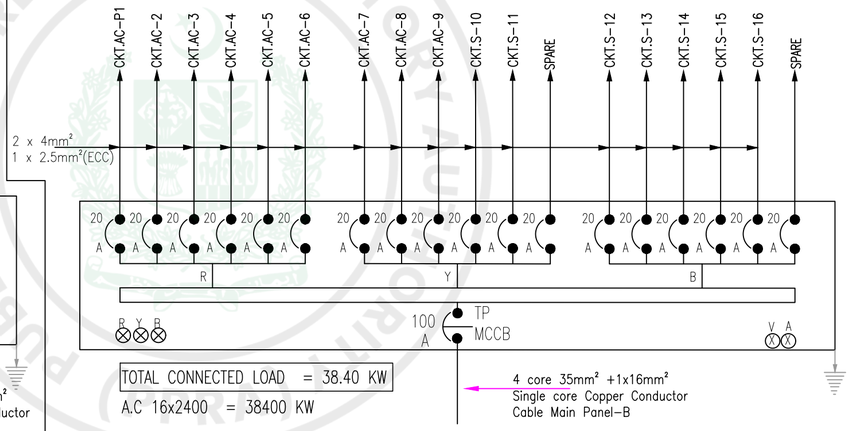
D.B-10 POWER SOCKET NETWORKING COMPUTER LAB-2 F Floor



TOTAL CONNECTED LOAD=5.00 KW

4 core 4mm² +1x2.5mm²
Single core Copper Conductor
Cable From S.M.D.B-3

D.B-11 POWER SOCKET 20A (A.C) FIRST FLOOR

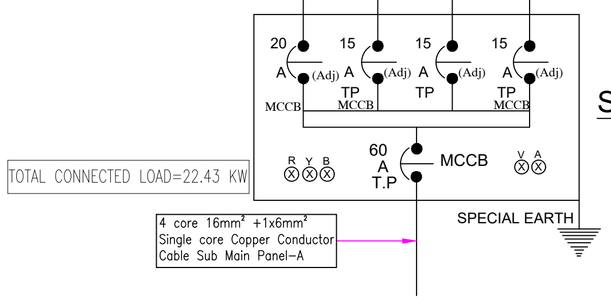


TOTAL CONNECTED LOAD = 38.40 KW

A.C 16x2400 = 38400 KW

4 core 35mm² +1x16mm²
Single core Copper Conductor
Cable Main Panel-B

SUB MAIN D.B-3



TOTAL CONNECTED LOAD=22.43 KW

4 core 16mm² +1x6mm²
Single core Copper Conductor
Cable Sub Main Panel-A

PROJECT.

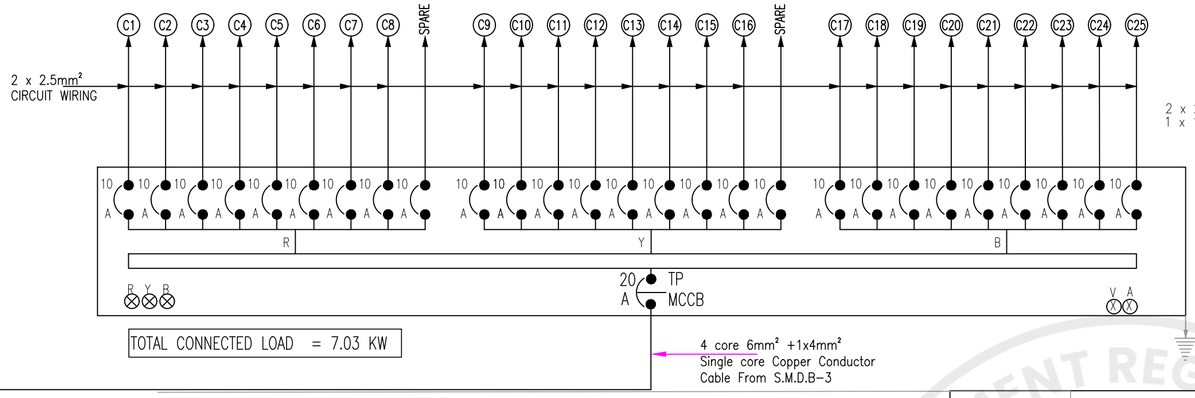
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SHEET TITLE		
FIRST FLOOR DETAIL OF D.Bs		
DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-10/15	20 OCT 2026

WD
We Design
Consulting Engineer, Engineering Advisors
House No.24, Street No.06 Sector-D DHA Phase-I Islamabad
Telephone No: 051-5138183, Cell No: 0332-5477881
Email: atnmpk@yahoo.com

PROCUREMENT REGULATORY AUTHORITY
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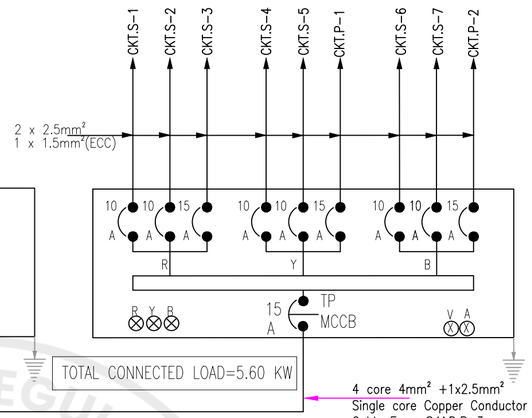
D.B-12 LIGHT FIRST FLOOR



TOTAL CONNECTED LOAD = 7.03 KW

4 core 6mm² +1x4mm²
Single core Copper Conductor
Cable From S.M.D.B-3

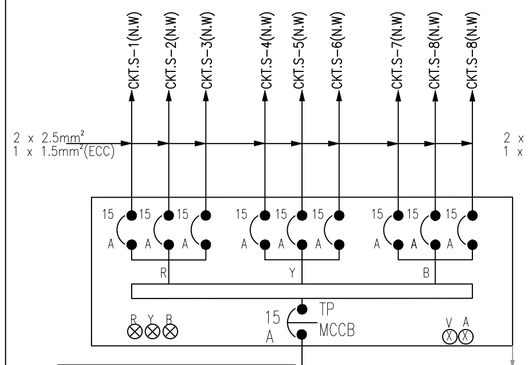
D.B-13 POWER SOCKET 5A/15A FLOOR FLOOR



TOTAL CONNECTED LOAD=5.60 KW

4 core 4mm² +1x2.5mm²
Single core Copper Conductor
Cable From S.M.D.B-3

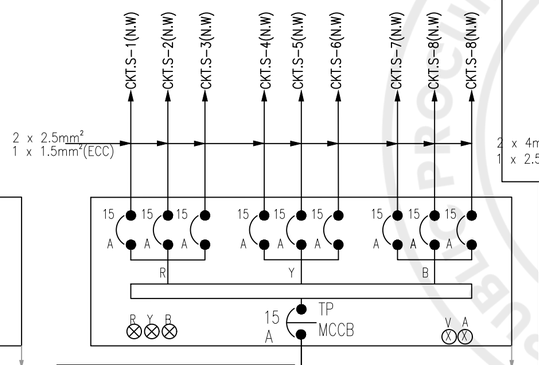
D.B-14 POWER SOCKET NETWORKING COMPUTER LAB-3 2nd.Floor



TOTAL CONNECTED LOAD=4.80 KW

4 core 4mm² +1x2.5mm²
Single core Copper Conductor
Cable From S.M.D.B-3

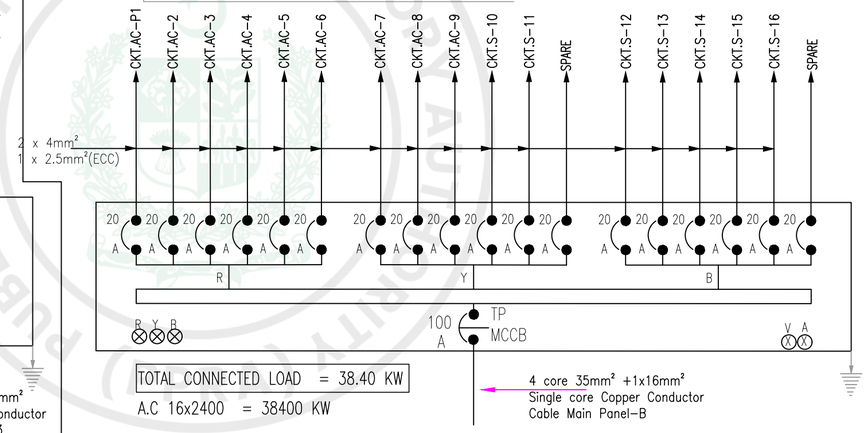
D.B-15 POWER SOCKET NETWORKING COMPUTER LAB-4 2nd Floor



TOTAL CONNECTED LOAD=5.00 KW

4 core 4mm² +1x2.5mm²
Single core Copper Conductor
Cable From S.M.D.B-3

D.B-16 POWER SOCKET 20A (A.C) FIRST FLOOR

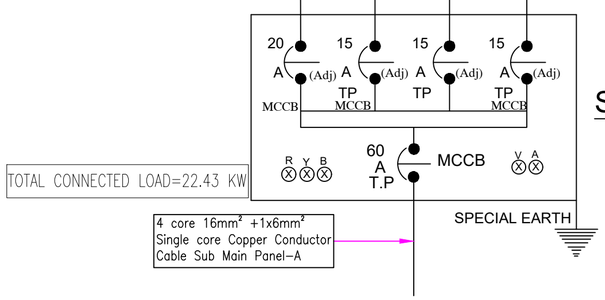


TOTAL CONNECTED LOAD = 38.40 KW

A.C 16x2400 = 38400 KW

4 core 35mm² +1x16mm²
Single core Copper Conductor
Cable Main Panel-B

SUB MAIN D.B-4



TOTAL CONNECTED LOAD=22.43 KW

4 core 16mm² +1x6mm²
Single core Copper Conductor
Cable Sub Main Panel-A

PROJECT.

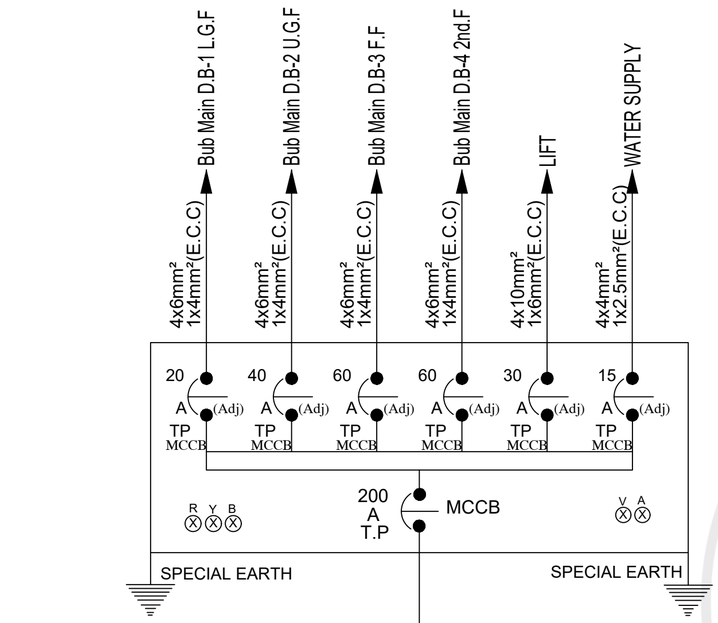
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SHEET TITLE		
SECOND FLOOR DETAIL OF D.Bs		
DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-13/15	20 OCT 2026

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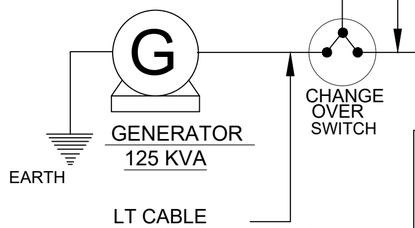
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SUB MAIN PANEL-A



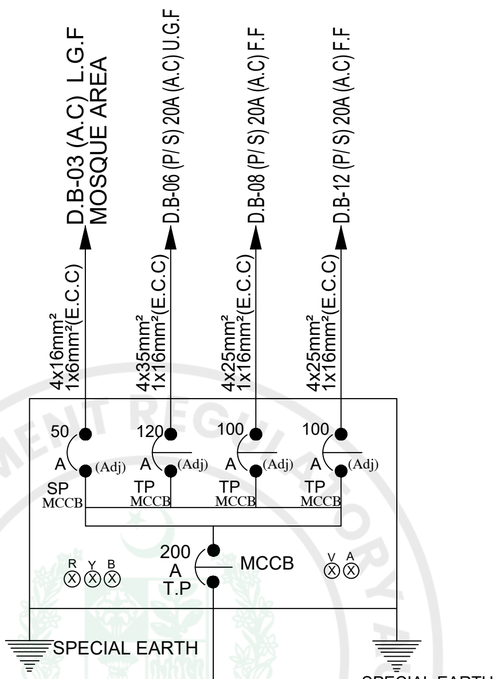
TOTAL CONNECTED LOAD = 98.34 KW
MAX DEMAND LOAD 80 % = 78.672 KW

LT CABLE
4CORE 70mm² ARMOURED
COPPER CONDUCTOR



LT CABLE
4CORE 70mm² ARMOURED
COPPER CONDUCTOR
FOR LENGTH UPTO 100MTR

SUB MAIN PANEL-B (A.C)

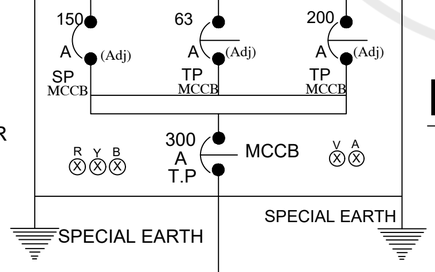


TOTAL CONNECTED LOAD = 140.60 KW
MAX DEMAND LOAD 80 % = 112.48 KW

FIRE FIGHTING
4x16mm² 1x6mm²(E.C.C)

LT CABLE
4CORE 150mm² ARMOURED
COPPER CONDUCTOR

MAIN PANEL



TOTAL CONNECTED LOAD = 263.94 KW
MAX DEMAND LOAD 70 % = 184.76 KW

L.T CABLE 2x4 CORE
120mm² COPPER ARMOURED
(SUITABLE FOR LENGTH UPTO 50MTR

Pad Mounted Transformer
250 KVA

L.T INCOMING FROM

PROJECT.
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SHEET TITLE
SUB MAIN PANEL-A & B & MAIN PANEL

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	E-15/15	2O OCT 2026

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GENERAL NOTES

1. READ ALL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL & ANY OTHER RELEVANT DRAWINGS.
2. NOTES , GIVEN IN THE DRAWING ARE APPLICABLE TO ALL DRAWINGS UNLESS MENTIONED OTHER WISE. NOTES WRITTEN ON A DRAWING, SHALL BE APPLICABLE TO THAT PARTICULAR DRAWING ONLY
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATION OF THE CONTRACT DOCUMENTS. IN ABSENCE OF ANY SPECIFICATION , ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO RELEVANT ACI CODES AND SHALL BE SUBJECTED TO APPROVAL OF THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURE DURING CONSTRUCTION.HE SHALL ALSO VERIFY ALL DIMENSIONS AND LEVELS BEFORE EXECUTION OF WORK. ANY DISCREPANCY, ERROR OR OMISSION, IF FOUND, SHALL BE BROUGHT TO THE NOTICE OF THE ENGINEER IMMEDIATELY FOR ADVICE.
5. ALL LEVELS AND DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE NOTED.
6. FIGURED DIMENSIONS ARE TO BE FOLLOWED

DESIGN LOADS

1. STRUCTURAL DESIGN IS BASED ON THE AMERICAN CONCRETE INSTITUTE's (ACI) BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-05).
2. SUPERIMPOSED LOADS ARE AS PER ASCE 7-05.
3. SEISMIC ZONE AND OTHER REQUIREMENTS AS PER BUILDING CODE OF PAKISTAN (SEISMIC PROVISIONS -2007)

REINFORCED CONCRETE / PLAIN CONCRETE WORKS

1. ALL STRUCTURAL CONCRETE SHALL CONFORM TO RELEVANT ASTM STANDARDS, AND SHALL HAVE MINIMUM CYLINDRICAL STRENGTH OF 4,000 PSI FOR FOUNDATION,R/WALL, COLUMNS & BEAMS & SLAB, 3,000 PSI FOR OTHER RCC WORK AT 28 DAYS.
2. BLINDING PLAIN CONCRETE SHALL BE OF 1500 PSI CYLINDRICAL STRENGTH AT 28 DAYS.
3. SULPHATE RESISTING CEMENT SHALL BE USED FOR ALL CONCRETE WORK IN FOUNDATION UP TO GROUND FLOOR LEVEL IF RECOMMENDED IN SOIL INVESTIGATION REPORT.
4. MAXIMUM WATER CEMENT RATIO SHALL BE 0.45
5. MINIMUM CEMENT CONTENT IN REINFORCED CONCRETE SHALL BE 360 KG / CUBIC METER.

REINFORCING STEEL:-

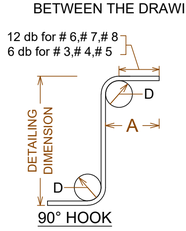
1. ALL REINFORCEMENT SHALL CONFORM TO BS 4461 / 4449 OR ASTM A 615-02 WITH FOLLOWING MINIMUM CHARACTERISTIC YIELD STRENGTH FOR
   a. PILES , RAFT , COLUMN & BEAMS = 60,000 PSI
   b. SLAB, STIRRUPS & TIES = 40,000 PSI
2. PROVIDE BAR SUPPORTS OR SPACERS TO GIVE THE FOLLOWING CONCRETE COVER TO ALL REINFORCEMENT UNLESS NOTED OTHERWISE ON DRAWINGS. (COVER IS THE CLEAR DISTANCE FROME THE CONCRETE SURFACE TO THE NEAREST EDGE OF ANY REINFORCEMENT).

ELEMENT	TOP	BOTTOM	SIDES
SLABS	3/4"	1"	-
BEAMS	1½"	1½"	1½"
COLUMNS	-	-	1½"
WALLS	-	-	1½"
RETAINING WALLS	-	-	2"
FOOTINGS	2"	2"	2"

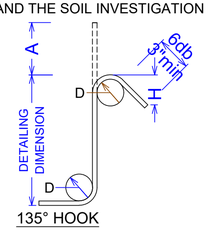
3. USE # 3 BINDING BARS AT 12" C/C FOR TOP REBARS UNLESS OTHERWISE NOTED.
4. WHERE NOT INDICATED POSITIVE (+) REINFORCEMENT TO BE CURTAILED AT L/8 OF CLEAR SPAN FROM THE EDGE OF THE SUPPORTING BEAM NEGATIVE (-) REINFORCEMENT TO EXTEND 0.33L (0.33xLARGER OF THE CLEAR SPANS) ON EITHER SIDES OF THE SUPPORTING BEAM TO BE MEASURED FROM EDGE OF CONTINOUS BEAM AND 0.25L FOR EDGE BEAM.
5. BARS SHOWN STAGGERED ON PLAN / SECTION SHALL BE PLACED ALTERNATIVELY.
6. BARS SHOULD BE EVENLY DISTRIBUTED OVER THE EXTENT INDICATED,UNLESS NOTED OTHERWISE ON PLAN.
7. FOR EVERY 12 FEET SPAN , 1/2" PRE CAMBER SHALL BE PROVIDED IN CENTER OF FORMWORK FOR SLAB & BEAMS.
8. LAP SPLICES OF FLEXURAL REINFORCEMENT WILL HAVE SPACING OF THE TRANSVERSE REINFORCEMENT ENCLOSING THE LAP SPLICED BARS NOT EXCEEDING THE SMALLER OF Dx4 OR 4 INCHES.
9. LONGITUDINAL REINFORCEMENT OF COLUMNS SHALL BE EXTENDED INTO FOUNDATION AND FULLY DEVELOPED FOR TENSION.
10. FIRST HOOP BE LOCATED 2" FROM FACE OF SUPPORTING MEMBER.

FOUNDATION:-

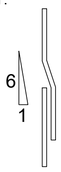
1. FOUNDATION DESIGN IS BASED ON THE SPECIFIED STANDARD SOIL BEARING CAPACITY AND DEPTH (FROM EXISTING GROUND LEVEL) 1.20 TON PER SFT
   FOUNDATION WILL REQUIRE RECHECKING / REDESIGN IN CASE SOIL B.C AND/OR FOUNDATION DEPTH ARE DIFFERENT FROM VALUES
2. BEFORE STARTING THE CONCRETE WORK FOR FOUNDATION,GE/ENGINEER-IN-CHARGE SHALL MAKE SURE THAT.
   a. ALL THE RECOMMENDATIONS OF SOIL INVESTIGATION REPORT ARE IMPLEMENTED PROPERLY,IN ADDTION TO THOSE INDICATED ON STRUCTURAL DRAWINGS.
   b. DECISION HAS BEEN TAKEN IN WRITING FROM THE STRUCTURAL ENGINEER IN CASE ANY DIFFERENCE IS OBSERVED BETWEEN THE DRAWINGS AND THE SOIL INVESTIGATION REPORT.



90° HOOK



135° HOOK



TYPICAL COLUMN / WALL VERTICAL CRANK DETAIL

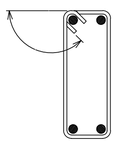

TYPICAL DETAIL OF STIRRUP / TIE

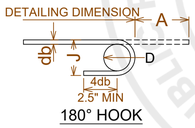
TABLE I-A : LAP LENGTHS FOR BARS IN TENSION

LOCATION	fc = 3000 psi	fy = 60000 psi
	LAP LENGTH	
	# 6 & SMALLER	# 7 & SMALLER
BOTTOM BARS	58 db	72 db
TOP BARS	74 db	93 db
COLUMNS/WALLS VERTICAL BARS	58 db	72 db

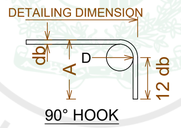
TABLE II: STANDARD HOOKS TO MAIN BARS

BARS SIZE	INTERNAL BEND 'D' (IN)	180° HOOK		90° HOOK
		A (IN)	J (IN)	A (IN)
3 #	2¼"	5"	3"	6"
4 #	3"	6"	4"	8"
5 #	3¾"	7"	5"	10"
6 #	4½"	8"	6"	1'-0"
7 #	5¼"	10"	7"	1'-2"
8 #	6"	11"	8"	1'-4"
9 #	9½"	1'-3"	11¾"	1'-7"
10 #	10¾"	1'-5"	1'-1¼"	1'-10"

*db IS NORMAL DIAMETER OF THE REINFORCING BAR IN INCHES.



180° HOOK



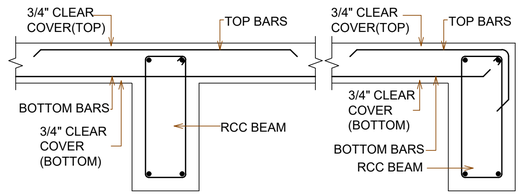
90° HOOK

TABLE III: STANDARD HOOKS TO STIRRUPS AND TIES

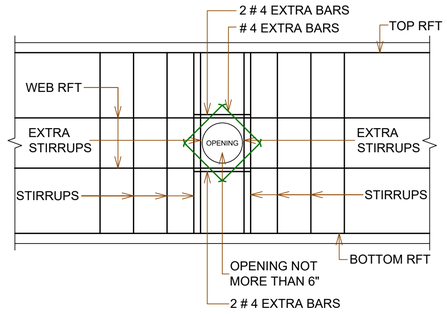
BARS SIZE	INTERNAL BEND 'D' (IN)	90° HOOK	135° HOOK	
		A	A	H (APPROX)
3 #	1½"	4"	4½"	3"
4 #	2"	4½"	4½"	3"
5 #	2½"	6"	5½"	3¾"

TABLE I-B : LAP LENGTHS FOR BARS IN TENSION

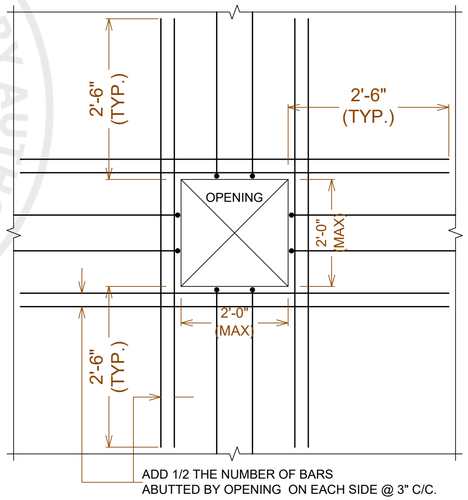
LOCATION	fc = 4000 psi	fy = 60000 psi
	LAP LENGTH	
	# 6 & SMALLER	# 7 & SMALLER
BOTTOM BARS	50 db	62 db
TOP BARS	64 db	80 db
COLUMNS/WALLS VERTICAL BARS	50 db	62 db



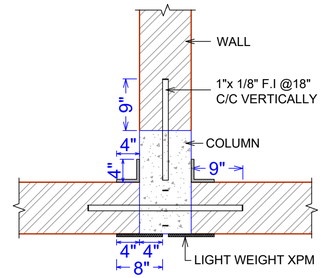
TYPICAL DETAIL OF SLAB TOP REINF:



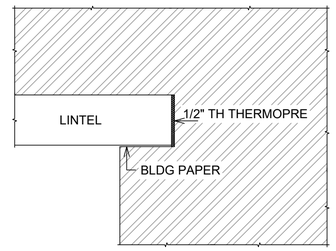
TYPICAL DETAIL OF OPENING IN BEAM



TYPICAL DETAIL OF OPENING IN SLAB
(UNLESS NOTED OTHERWISE ON PLAN)



TYPICAL DETAIL OF WALL TIE



TYPICAL DETAIL OF LINTEL WALL JOINT

PROJECT.

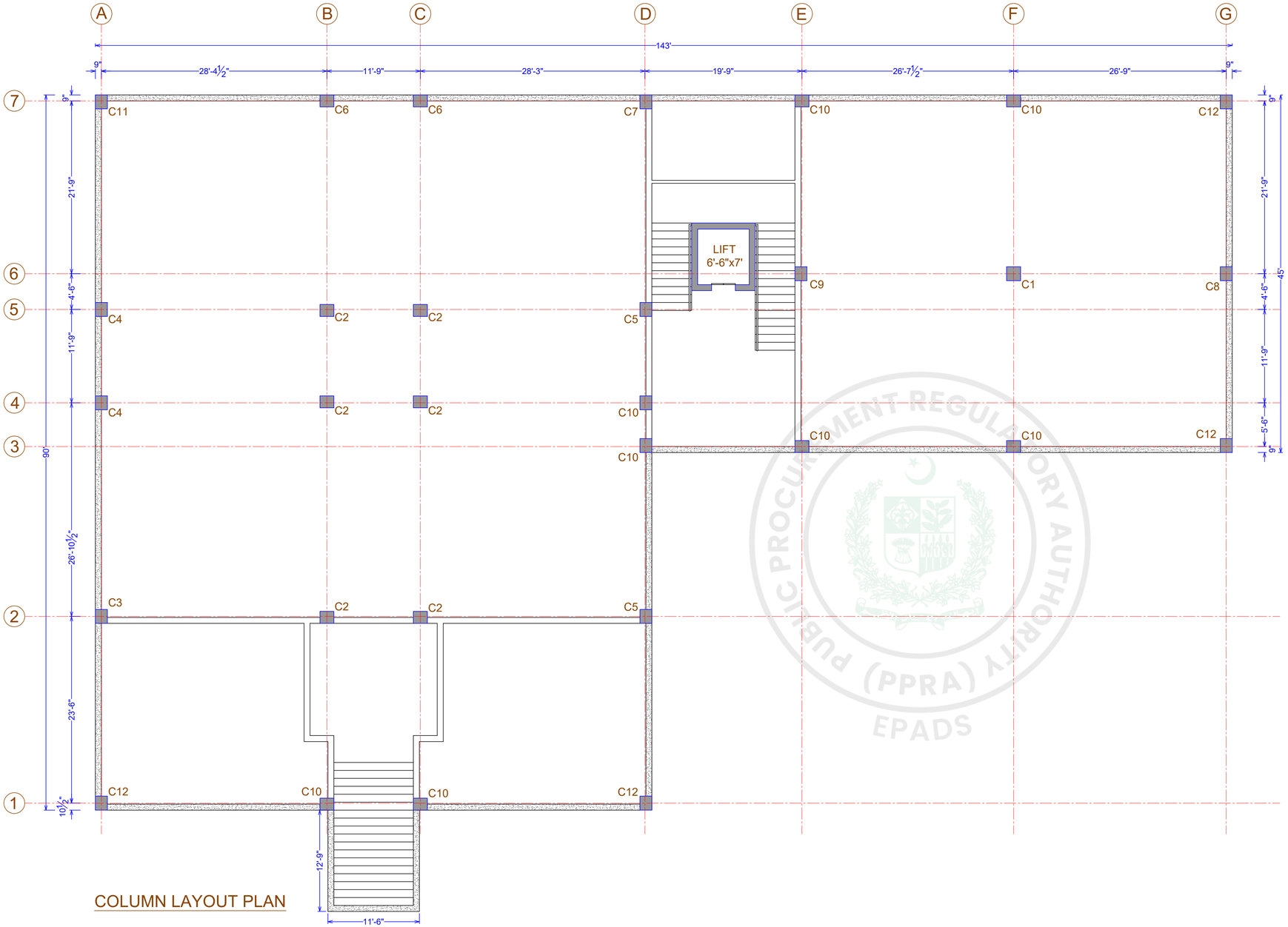
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SHEET TITLE: GENERAL NOTES

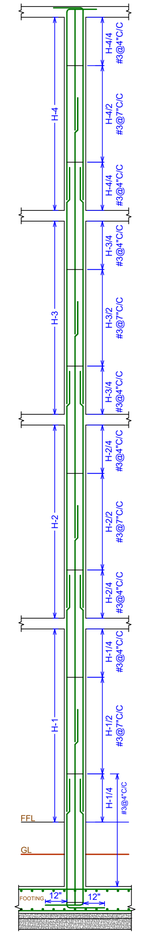
DRAWING NO.	SHEET NO.	DATE.
INST/09-26	S-1/27	17 SEP 2026

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COLUMN LAYOUT PLAN



TYPICAL L-SEC OF COL

SCHEDULE OF COLUMNS

S/NO.	COL: NO.	SIZE & SHAPE	AT LOWER GF	AT UPPER GF	AT FIRST FLOOR	AT 2ND FLOOR
1	C-1	1'-9" x 1'-9"	20 # 8	20 # 8	16 # 8	16 # 8
2	C-2	1'-9" x 1'-6"	20 # 8	20 # 8	14 # 8	14 # 8
3	C-3	1'-6" x 1'-9"	18 # 8	18 # 8	14 # 8	14 # 8
4	C-4	1'-6" x 1'-9"	16 # 8	16 # 8	14 # 8	14 # 8
5	C-5	1'-6" x 1'-9"	16 # 8	16 # 8	12 # 8	12 # 8
6	C-6	1'-9" x 1'-6"	14 # 8	14 # 8	12 # 8	12 # 8
7	C-7	1'-6" x 1'-9"	14 # 8	14 # 8	10 # 8	10 # 8
8	C-8	1'-6" x 1'-9"	12 # 8	12 # 8	10 # 8	10 # 8
9	C-9	1'-6" x 1'-9"	12 # 8	12 # 8	8 # 8	8 # 8
10	C-10	1'-9" x 1'-6"	10 # 8	10 # 8	8 # 8	8 # 8
11	C-11	1'-6" x 1'-9"	12 # 8	12 # 8	12 # 8	12 # 8
12	C-12	1'-6" x 1'-9"	8 # 8	8 # 8	8 # 8	8 # 8

PROJECT.

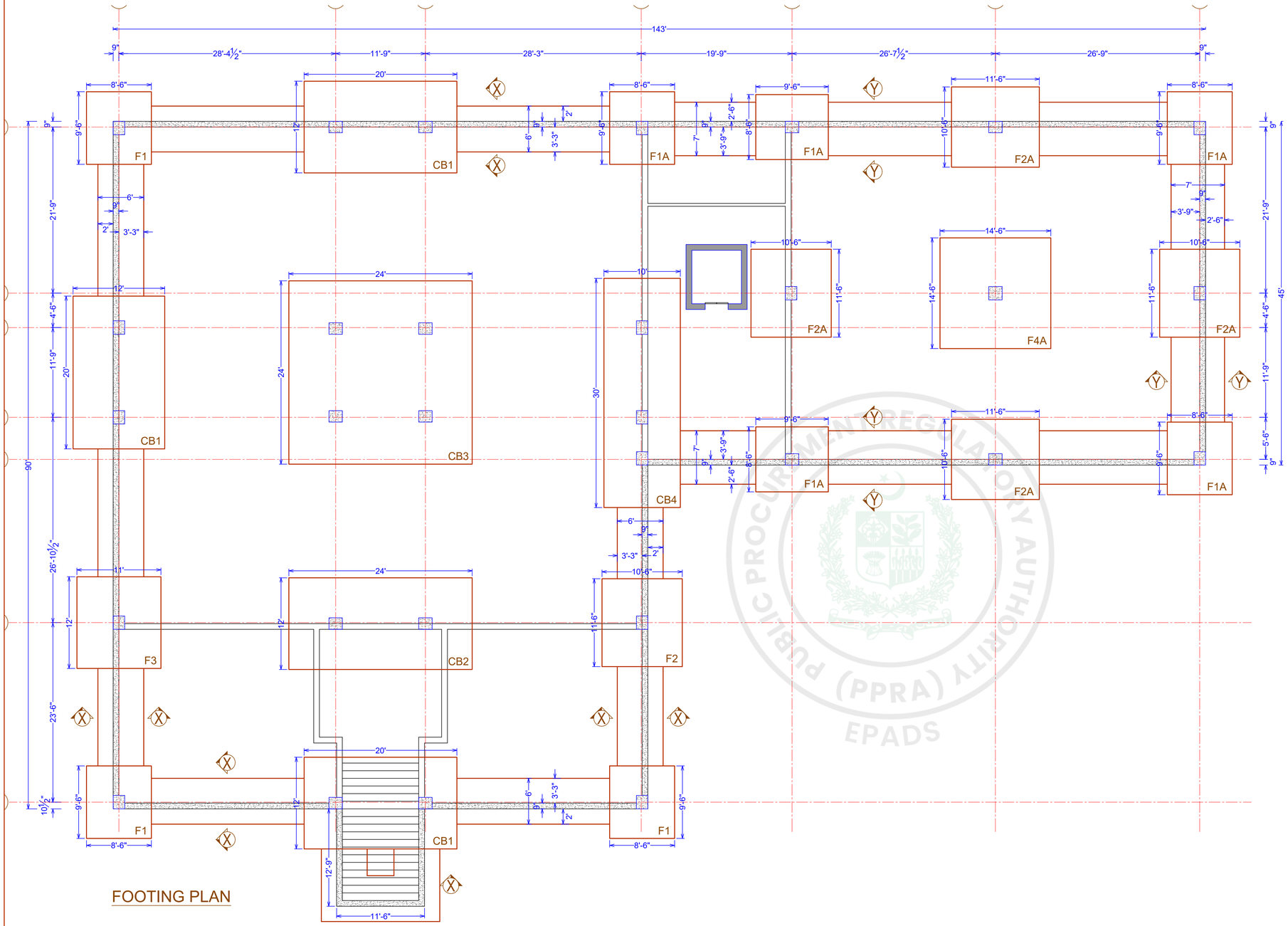
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SHEET TITLE
COLUMN LAYOUT PLAN AND DETAIL OF COLUMNS

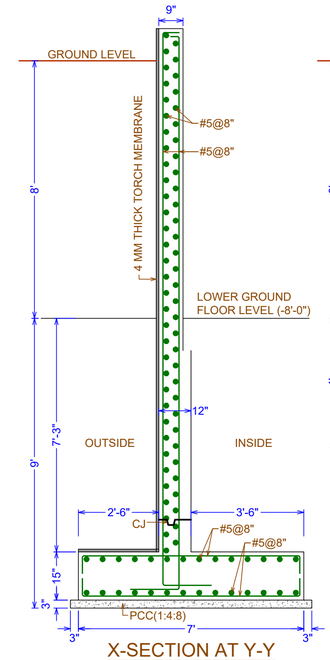
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Email: atnmpk@yahoo.com

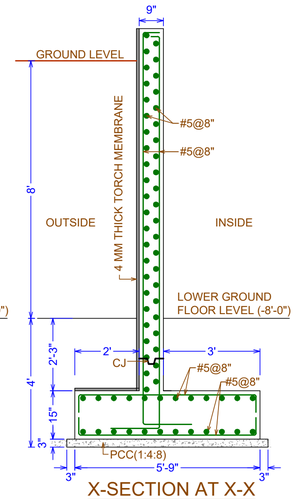
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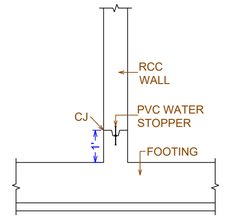
FOOTING PLAN



X-SECTION AT Y-Y



X-SECTION AT X-X



DETAIL OF CONST: JOINT

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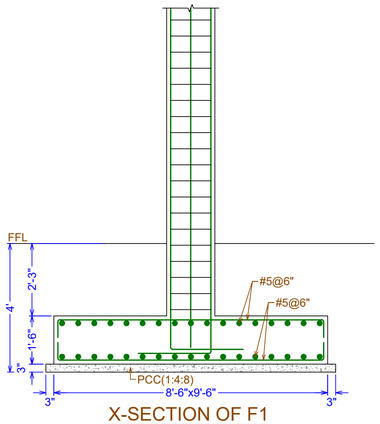
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FOOTING PLAN & DETAIL OF RCC WALLS

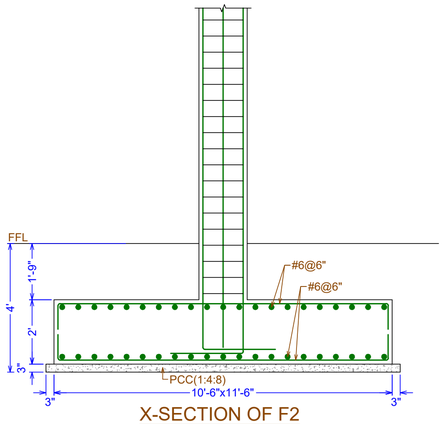
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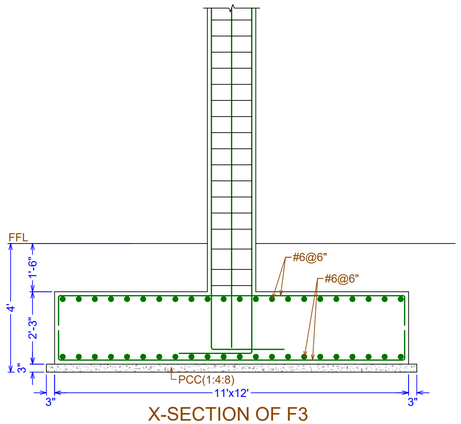
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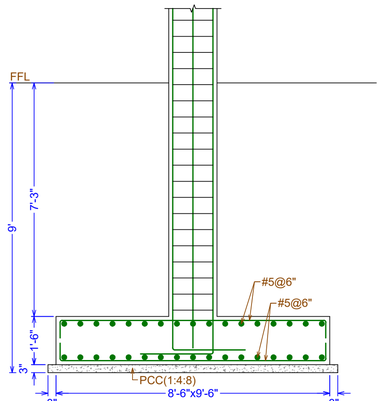
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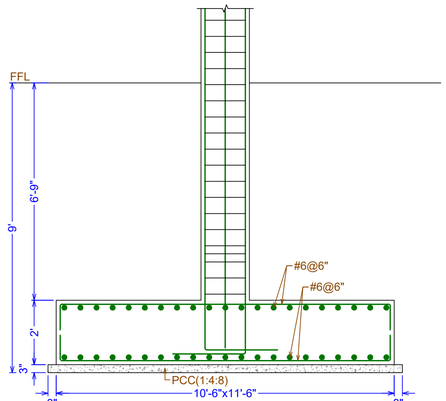
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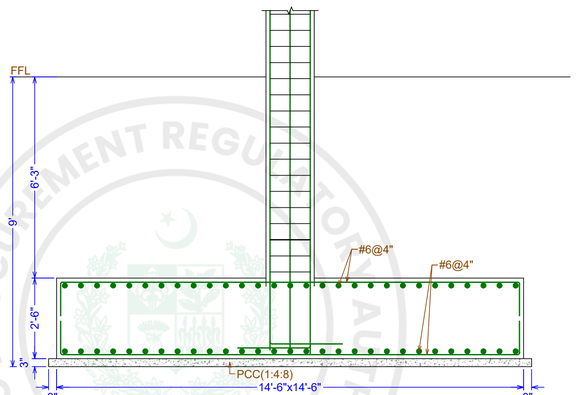
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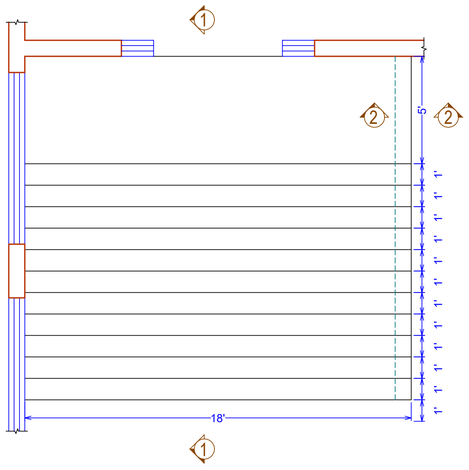
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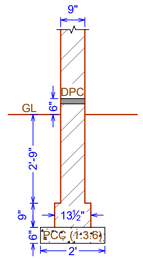
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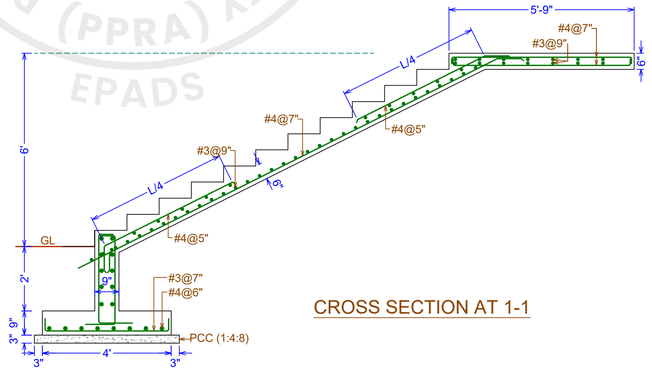
X-SECTION OF F4A



PLAN OF MAIN ENTRANCE STEPS



SEC AT 2-2



CROSS SECTION AT 1-1

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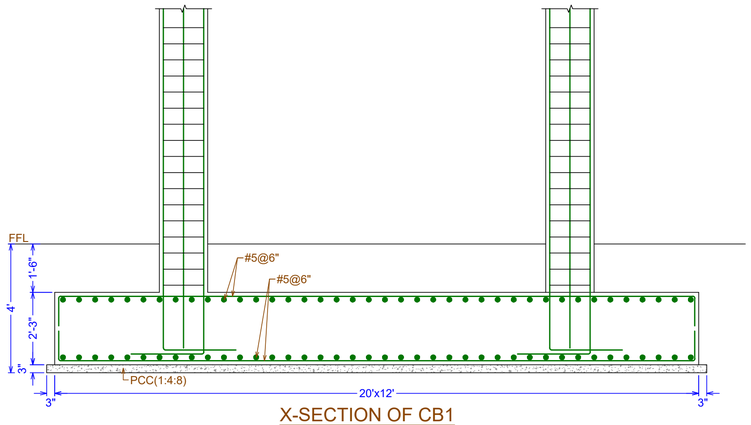
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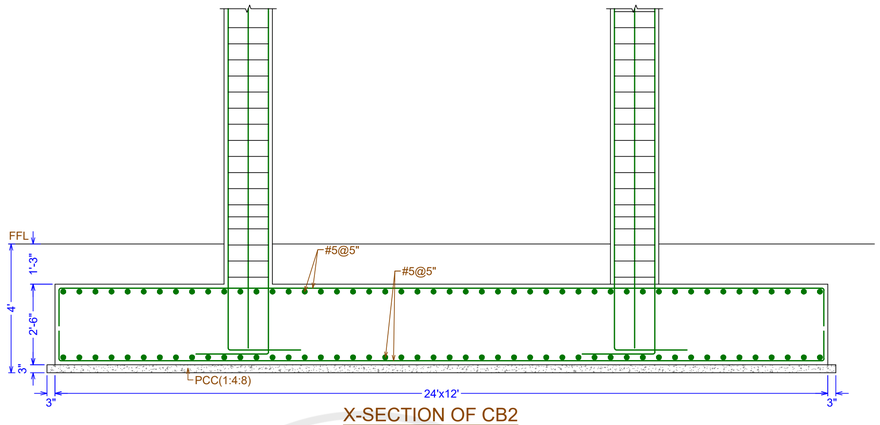
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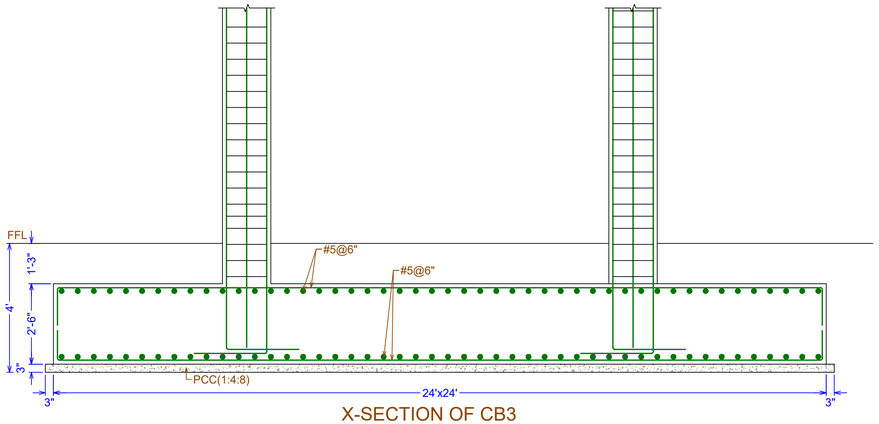
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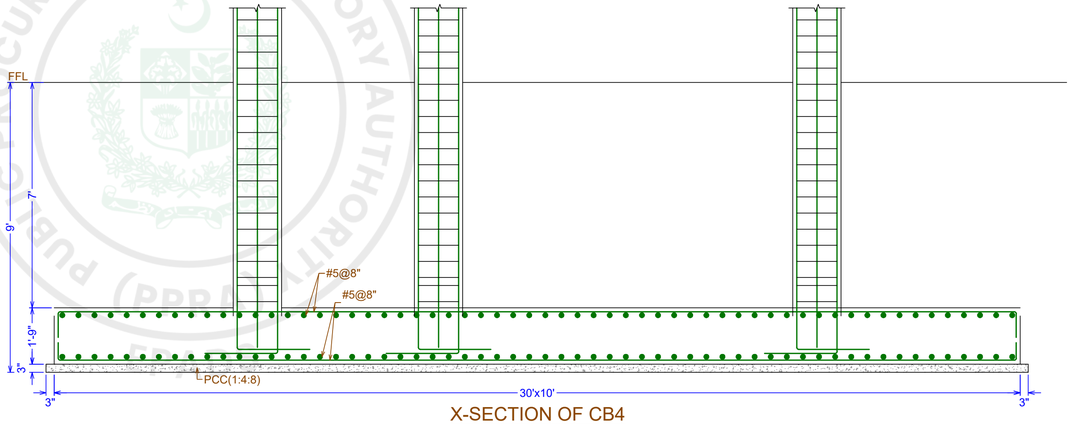
X-SECTION OF CB1



X-SECTION OF CB2



X-SECTION OF CB3



X-SECTION OF CB4

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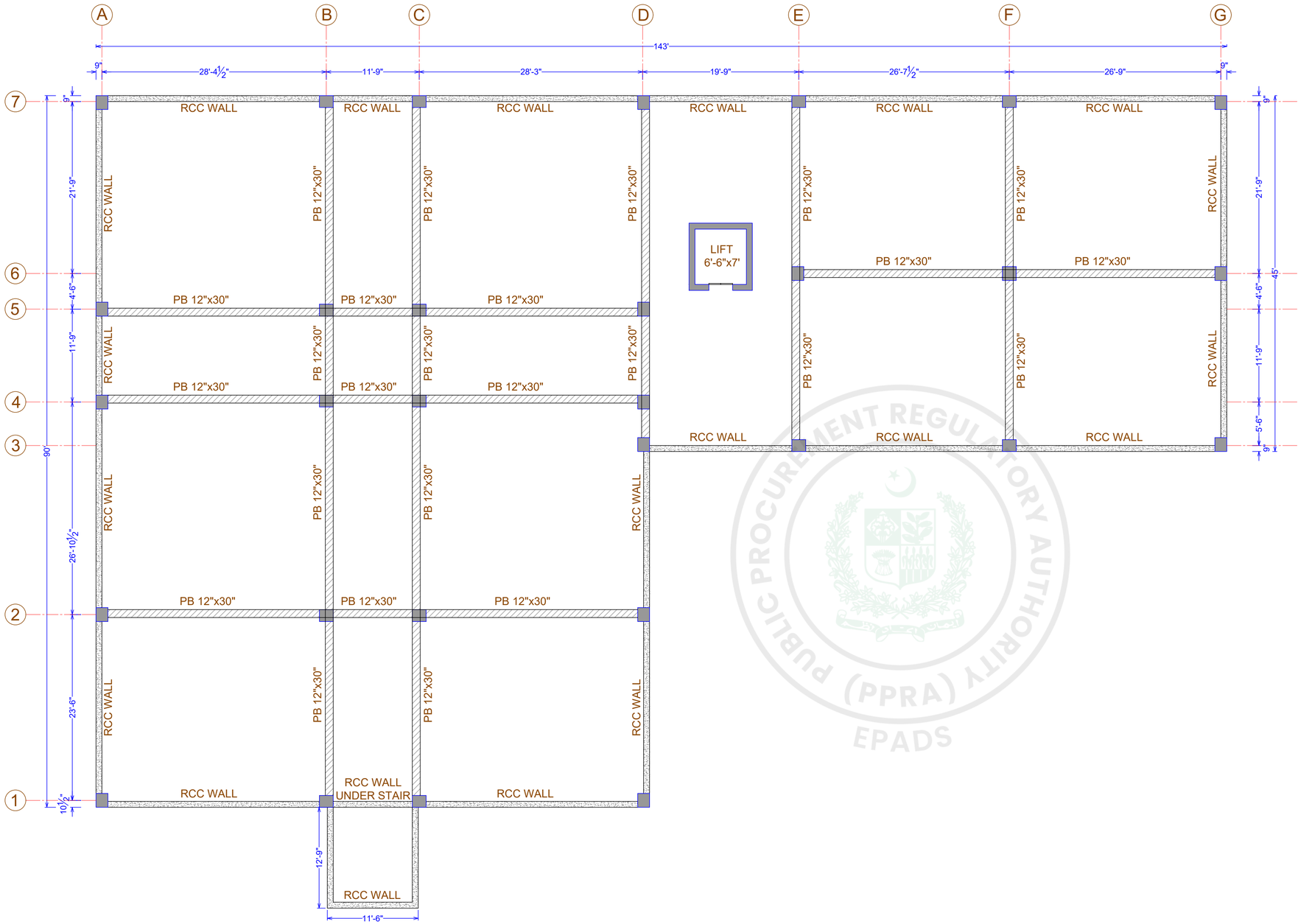
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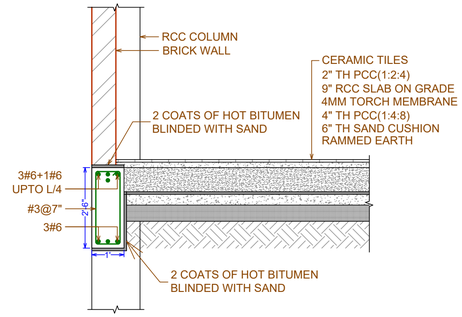
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PLINTH BEAMS LAYOUT PLAN



X-SECTION OF PLINTH BEAM

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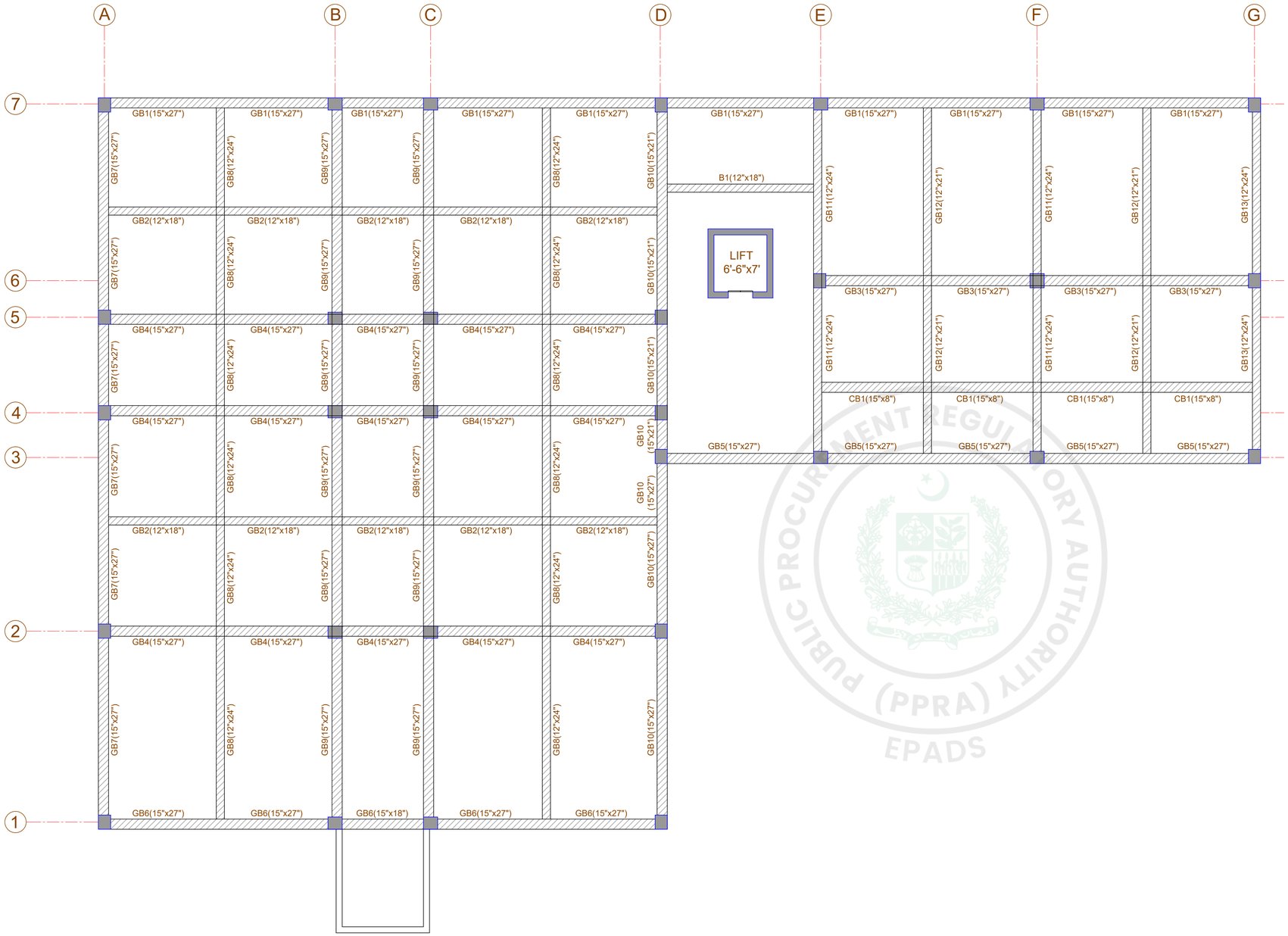
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PLINTH BEAMS LAYOUT PLAN AND DETAIL

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LOWER GROUND FLOOR ROOF SLAB BEAMS LAYOUT PLAN

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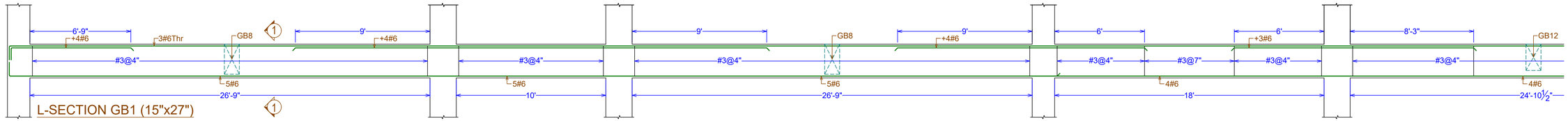
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LOWER GROUND ROOF SLAB BEAMS PLAN

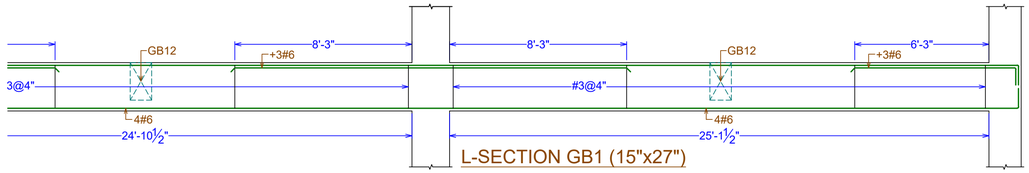
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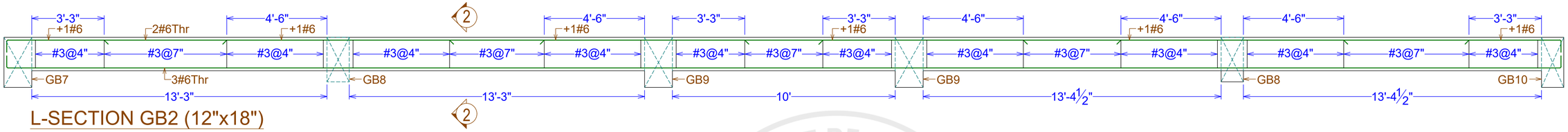
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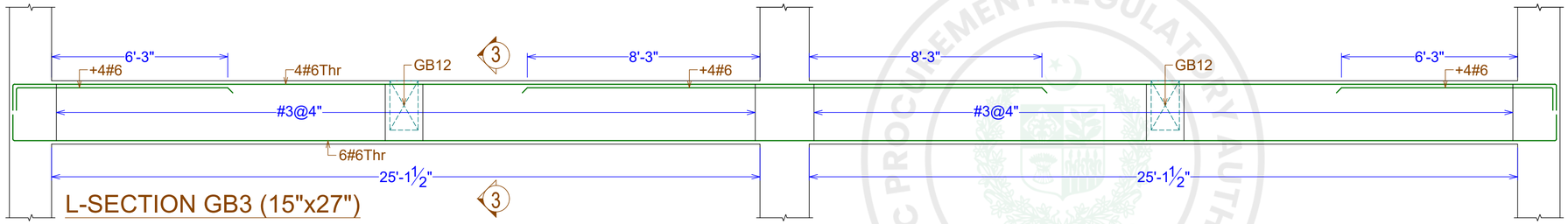
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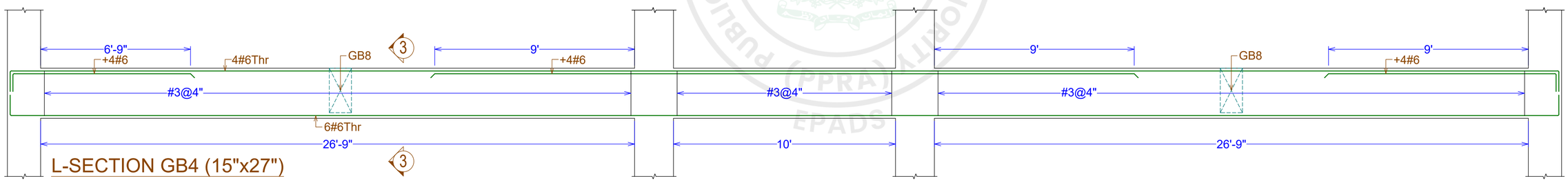
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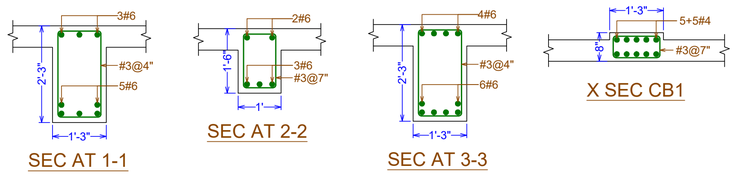
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L-SECTION GB3 (15"x27")



L-SECTION GB4 (15"x27")

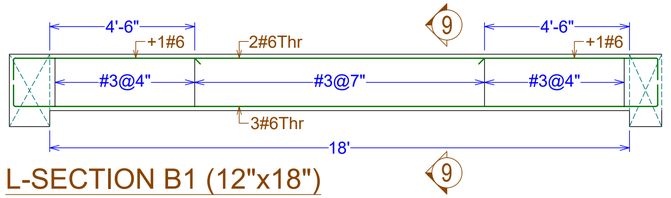


SEC AT 1-1

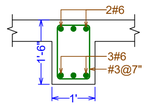
SEC AT 2-2

SEC AT 3-3

X SEC CB1



L-SECTION B1 (12"x18")



SEC AT 9-9

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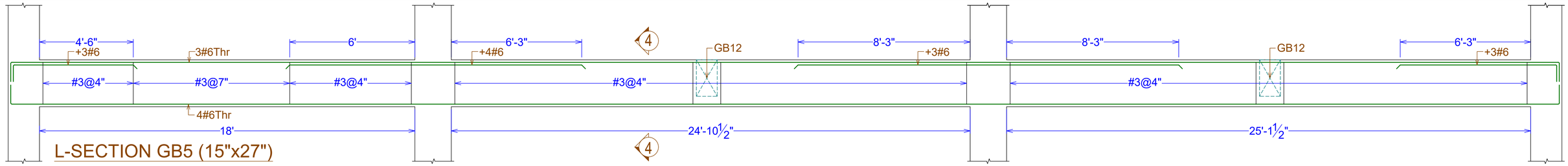
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LOWER GROUND ROOF SLAB BEAMS DETAIL

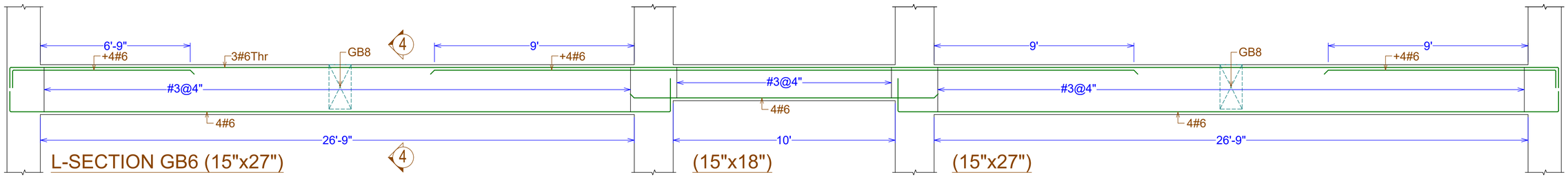
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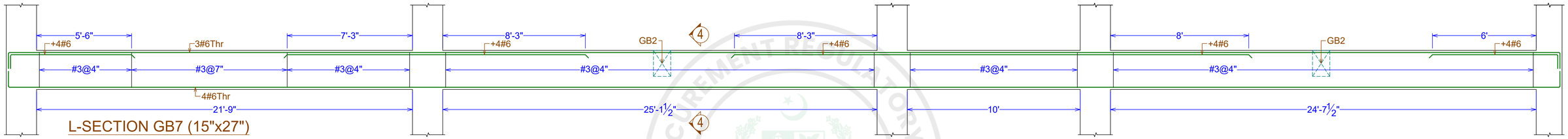
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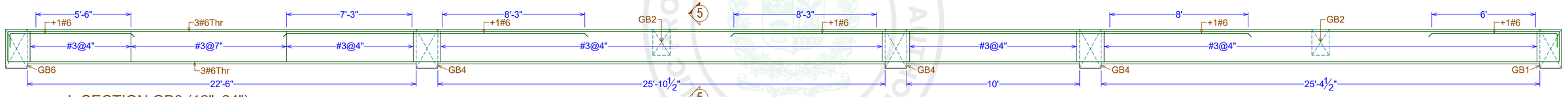
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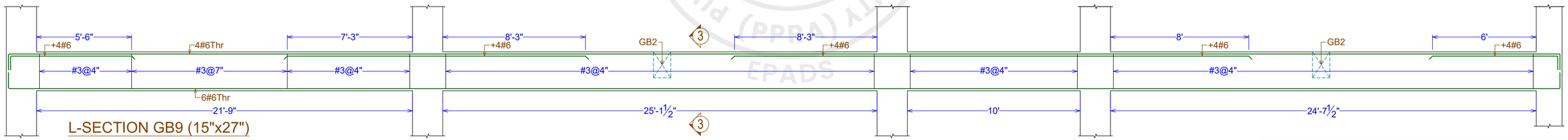
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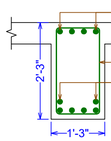
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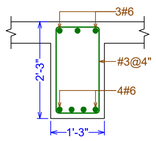
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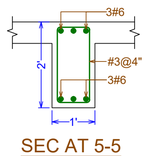
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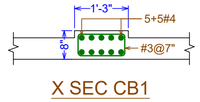
SEC AT 3-3



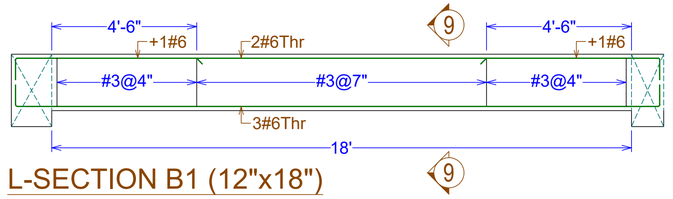
SEC AT 4-4



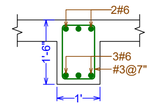
SEC AT 5-5



X SEC CB1



L-SECTION B1 (12"x18")



SEC AT 9-9

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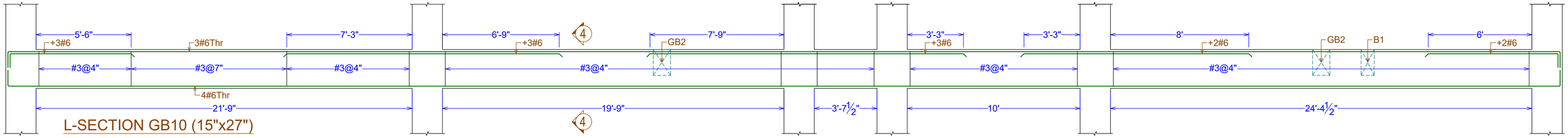
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LOWER GROUND ROOF SLAB BEAMS DETAIL

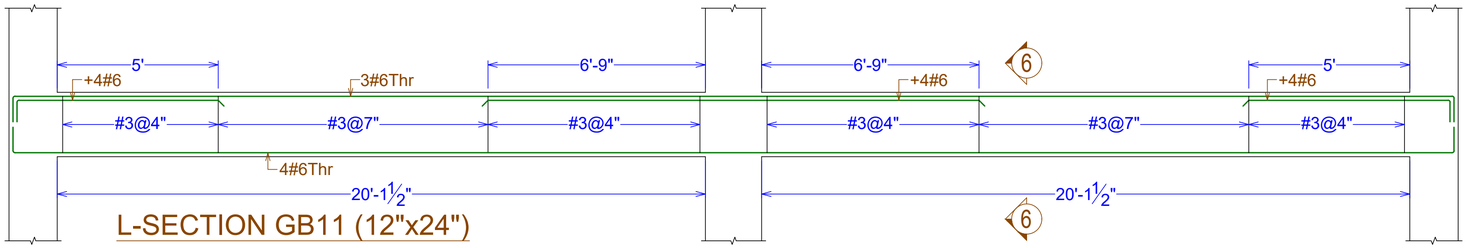
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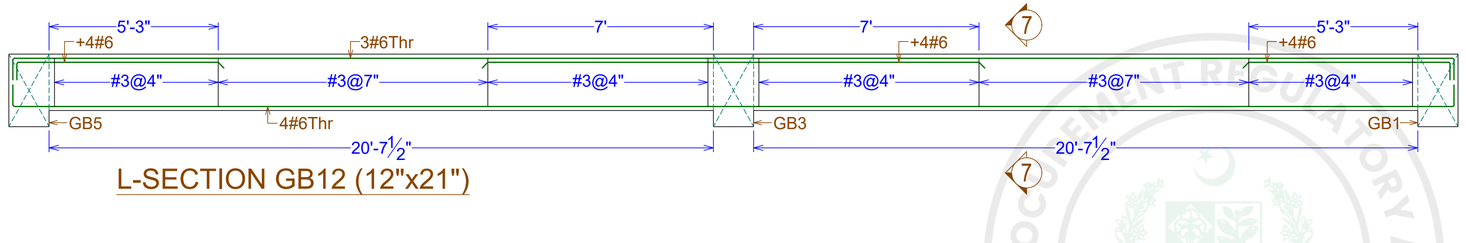
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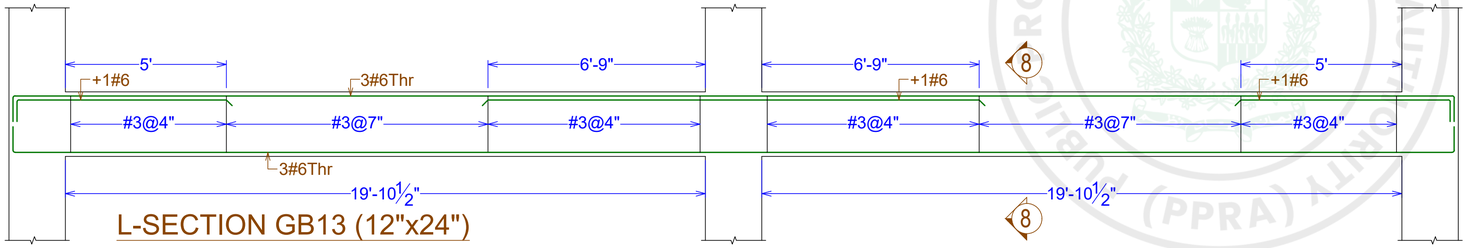
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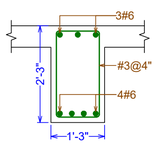
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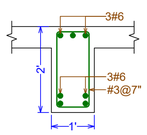
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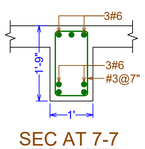
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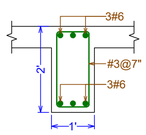
SEC AT 4-4



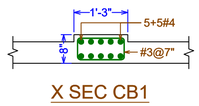
SEC AT 6-6



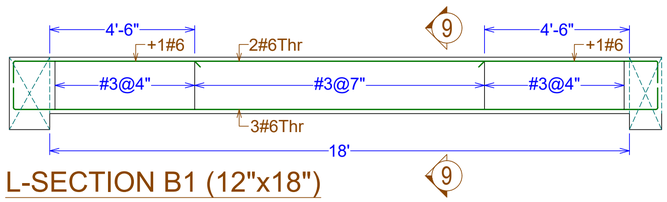
SEC AT 7-7



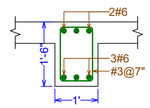
SEC AT 8-8



X SEC CB1



L-SECTION B1 (12"x18")



SEC AT 9-9

PROJECT.

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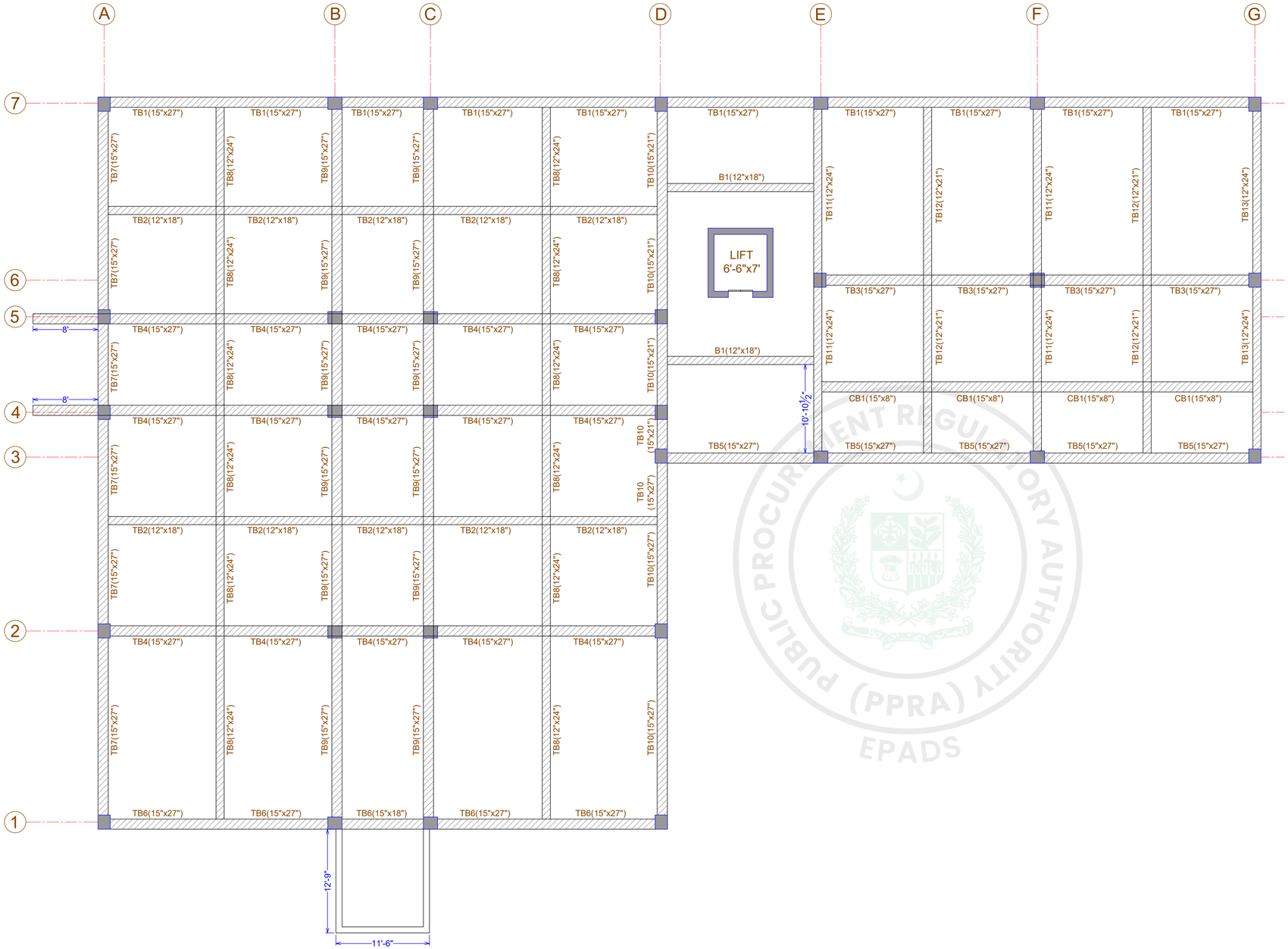
SHEET TITLE

LOWER GROUND ROOF SLAB BEAMS DETAIL

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	S-10/27	17 SEP 2026

WD
We Design
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PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



UPPER GROUND AND FIRST FLOOR ROOF SLAB BEAMS LAYOUT PLAN

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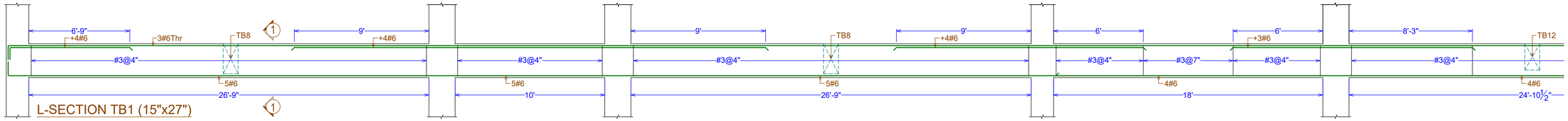
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UPPER GROUND & FIRST FLOOR SLAB BEAMS PLAN

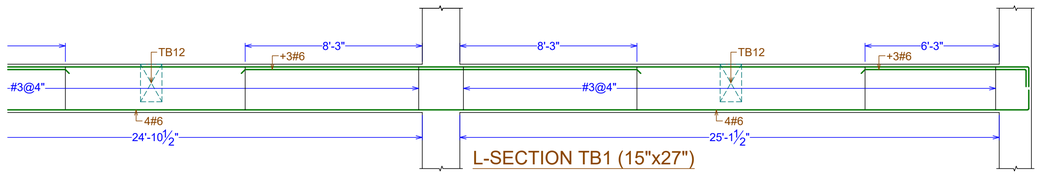
DRAWING NO.	SHEET NO.	DATE.
INST/09-26	S-11/27	17 SEP 2026

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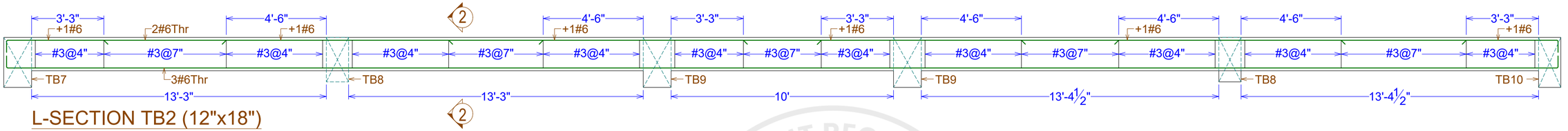
PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



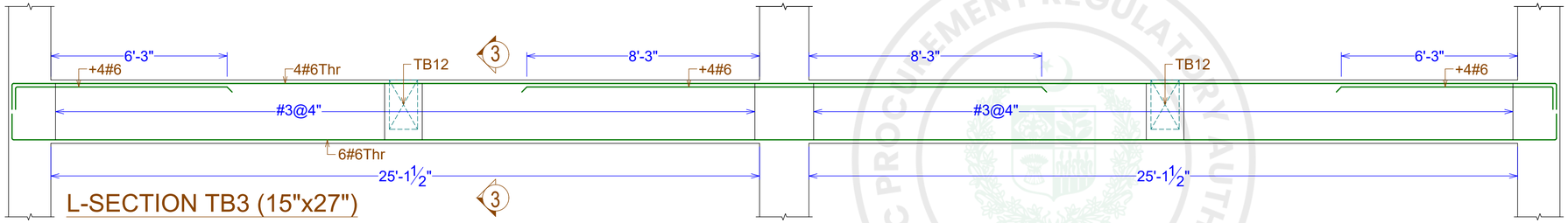
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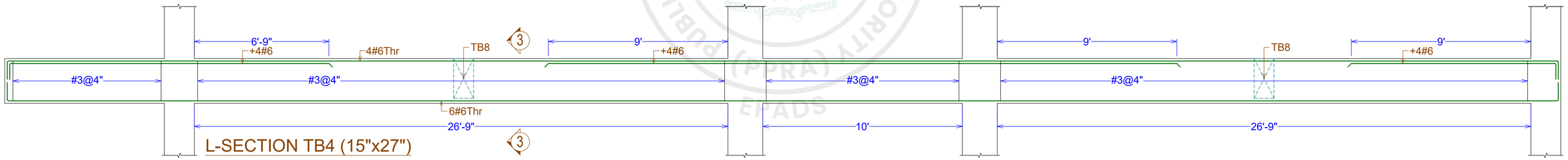
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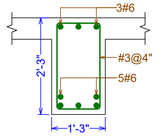
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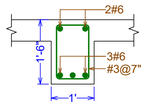
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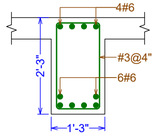
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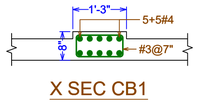
SEC AT 1-1



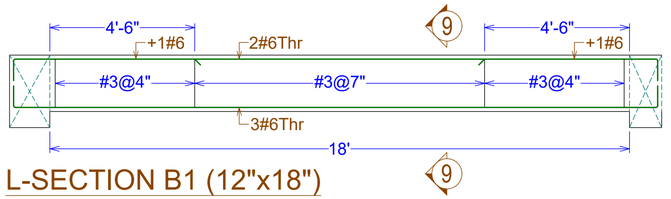
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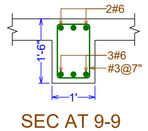
SEC AT 3-3



X SEC CB1



L-SECTION B1 (12"x18")



SEC AT 9-9

PROJECT.

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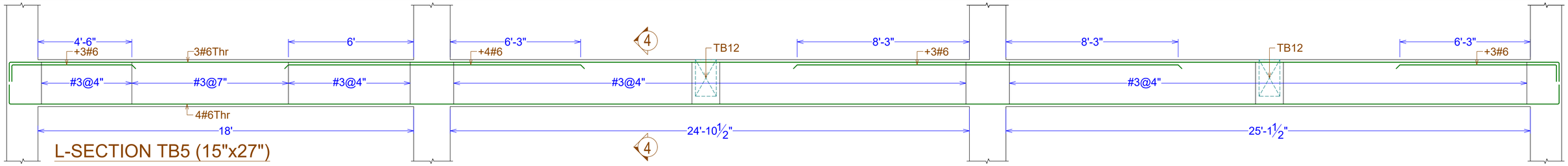
SHEET TITLE

UPPER GROUND FLOOR & FIRST FLOOR SLAB BEAMS DETAIL

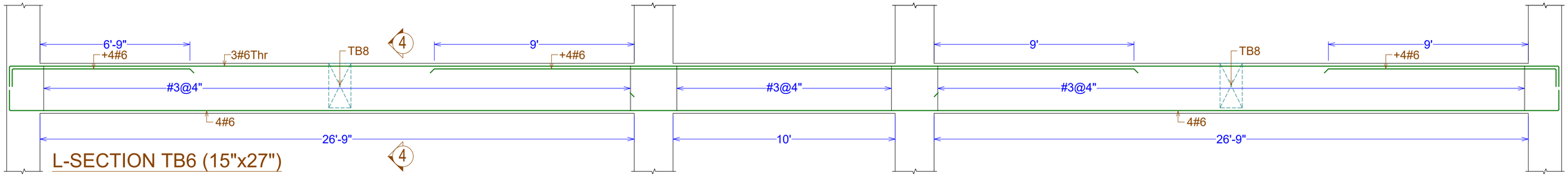
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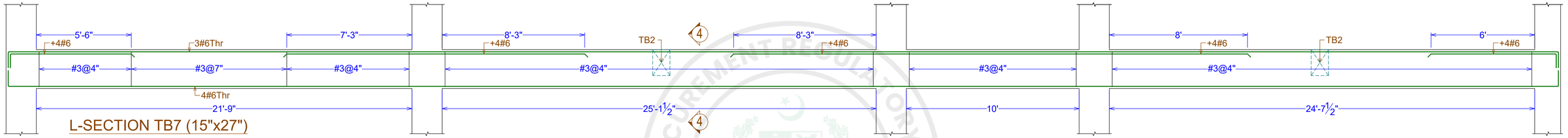
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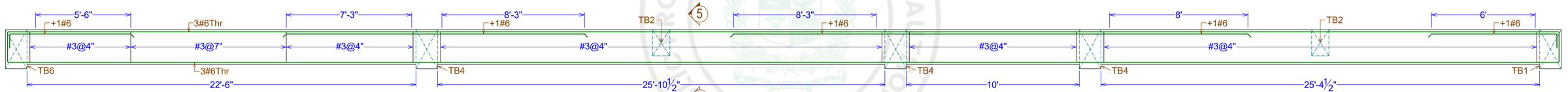
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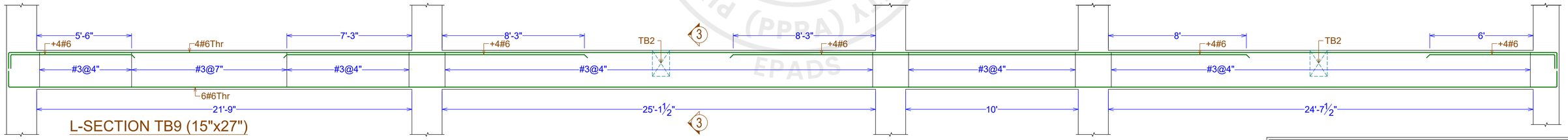
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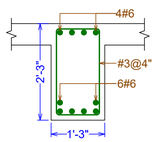
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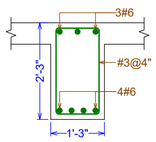
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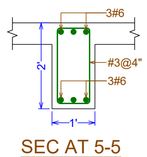
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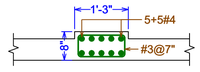
SEC AT 3-3



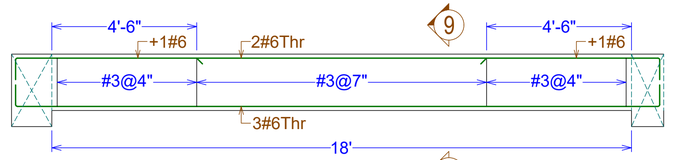
SEC AT 4-4



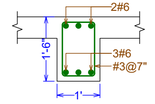
SEC AT 5-5



X SEC CB1



L-SECTION B1 (12"x18")



SEC AT 9-9

PROJECT.

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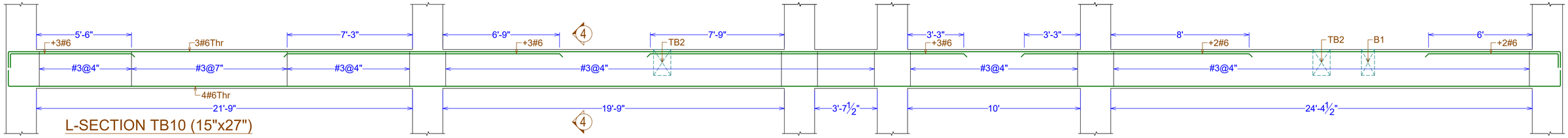
SHEET TITLE

UPPER GROUND FLOOR & FIRST FLOOR SLAB BEAMS DETAIL

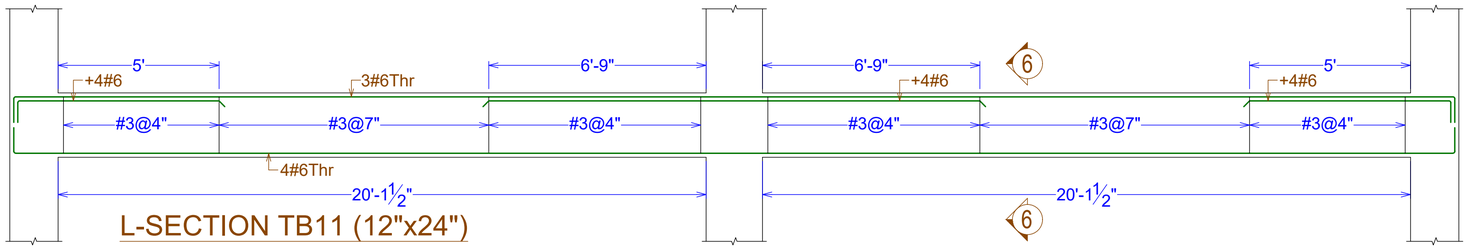
DRAWING NO.	SHEET NO.	DATE.
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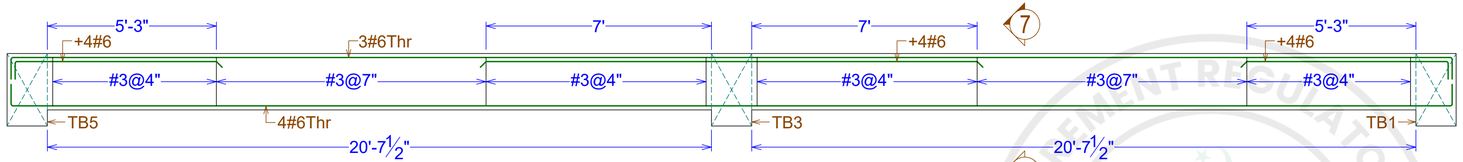
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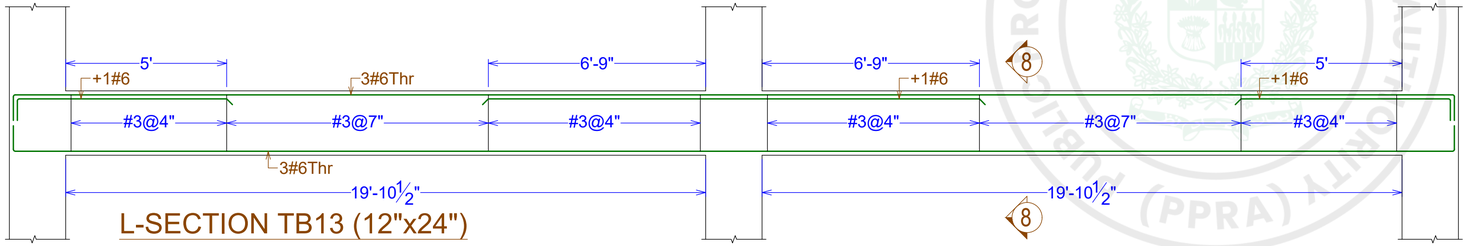
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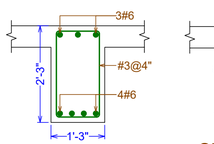
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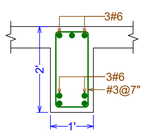
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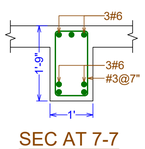
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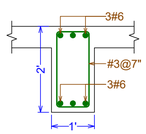
SEC AT 4-4



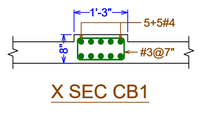
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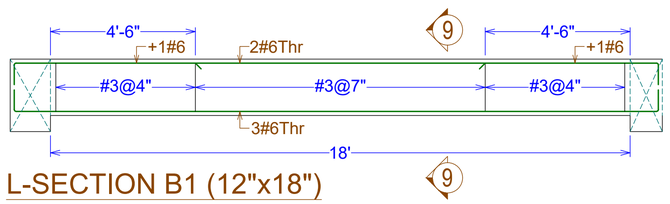
SEC AT 7-7



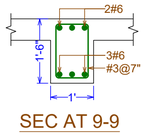
SEC AT 8-8



X SEC CB1



L-SECTION B1 (12"x18")



SEC AT 9-9

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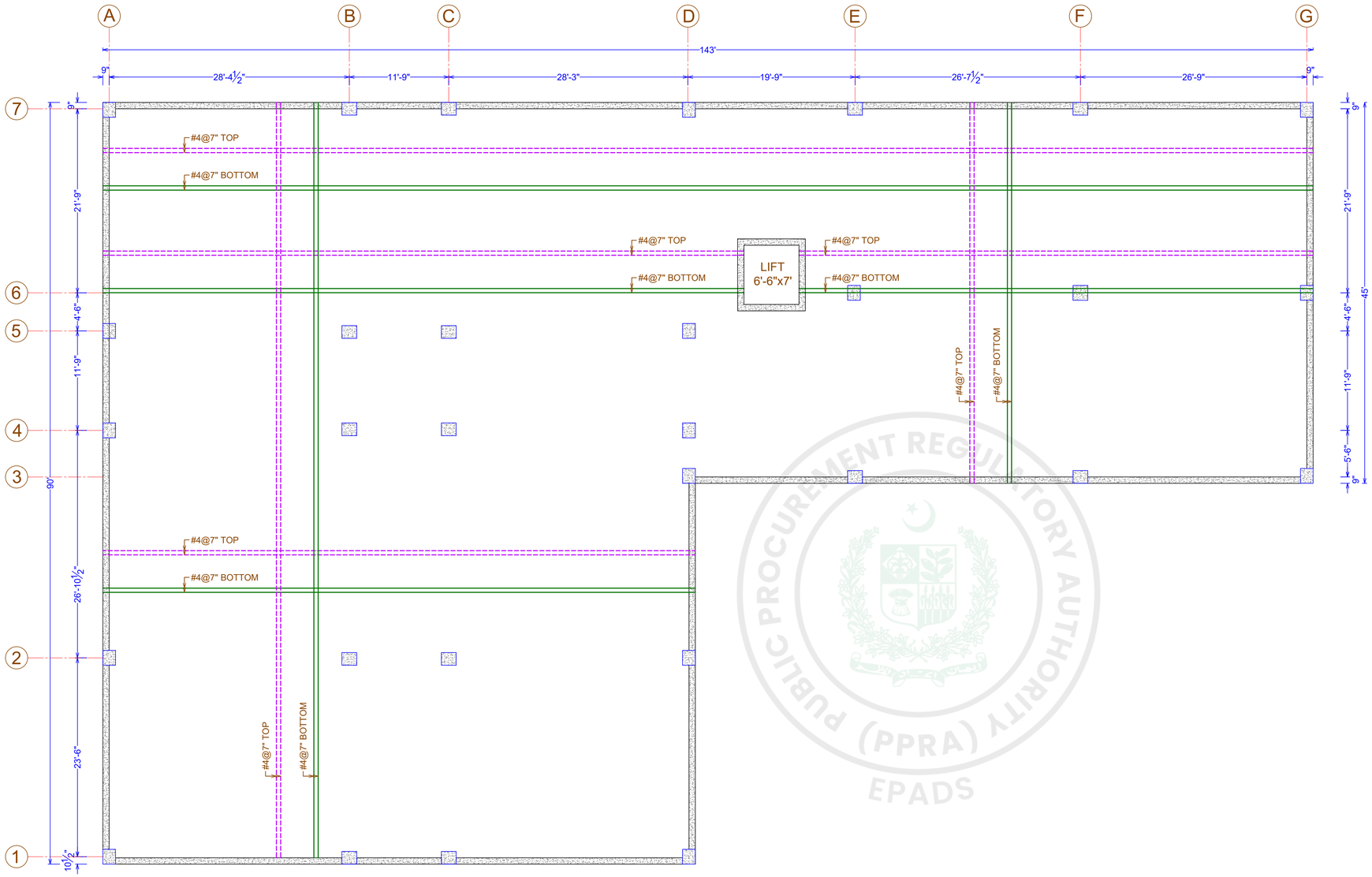
SHEET TITLE

UPPER GROUND FLOOR & FIRST FLOOR SLAB BEAMS DETAIL

DRAWING NO.	SHEET NO.	DATE.
INST/09-26	S-14/27	17 SEP 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)
EPADS



REINFORCEMENT PLAN OF SLAB ON GRADE (9" THICK)

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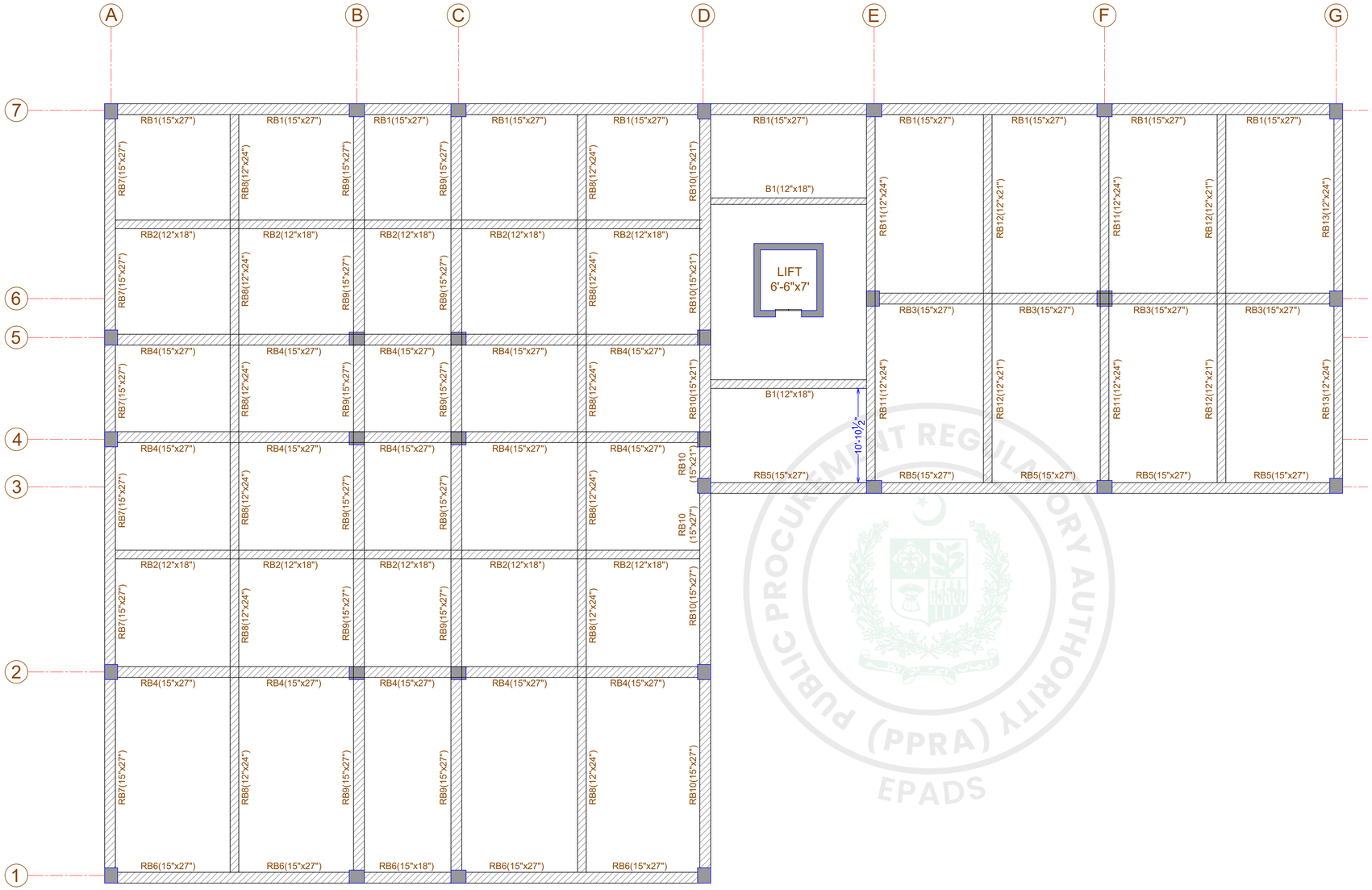
SHEET TITLE

REINFORCEMENT PLAN OF SLAB ON GRADE

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INST/09-26	S-15/27	17 SEP 2026

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



TOP ROOF SLAB BEAMS LAYOUT PLAN

PROJECT.

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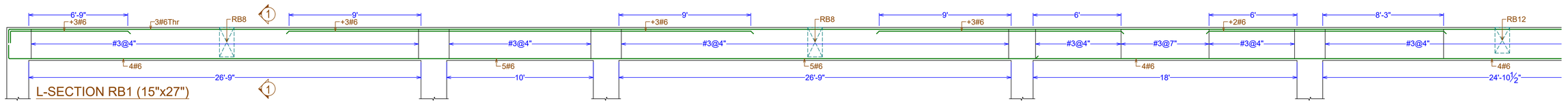
SHEET TITLE

TOP ROOF SLAB BEAMS PLAN

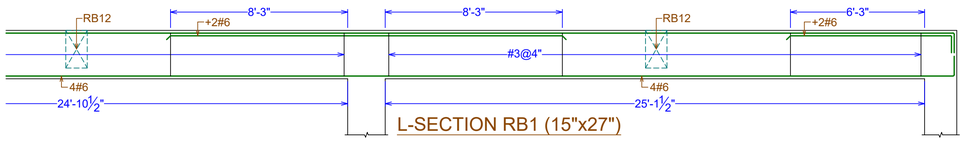
DRAWING NO.	SHEET NO.	DATE.
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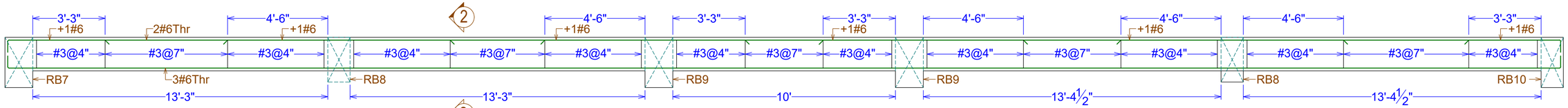
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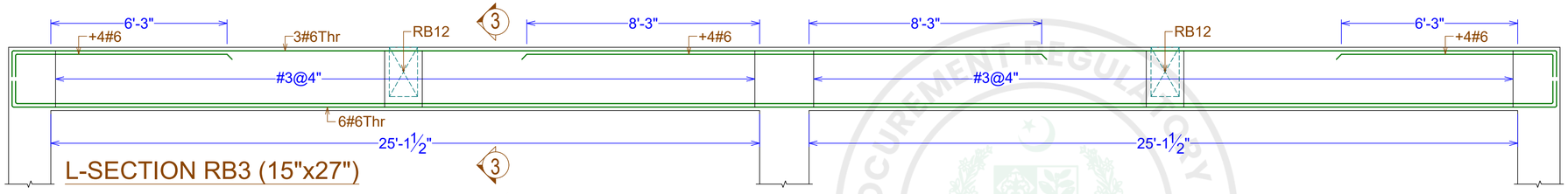
L-SECTION RB1 (15"x27")



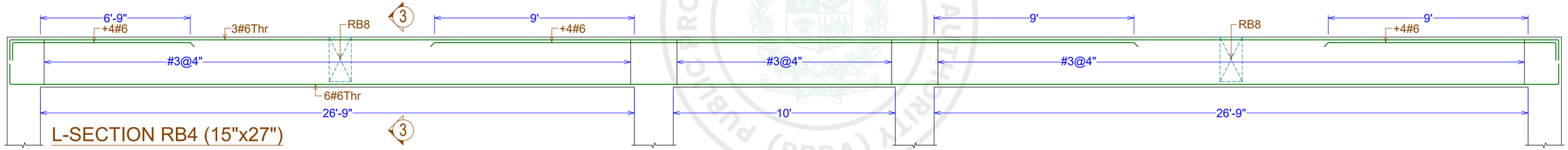
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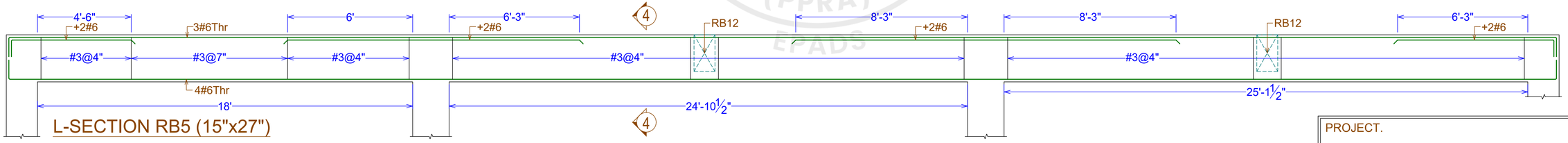
L-SECTION RB2 (12"x18")



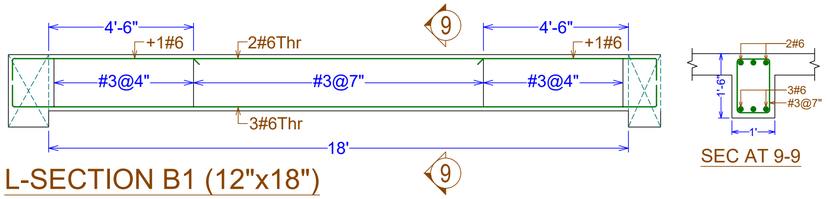
L-SECTION RB3 (15"x27")



L-SECTION RB4 (15"x27")

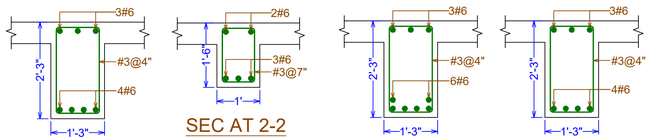


L-SECTION RB5 (15"x27")



L-SECTION B1 (12"x18")

SEC AT 9-9



SEC AT 1-1 SEC AT 2-2 SEC AT 3-3 SEC AT 4-4

PROJECT.

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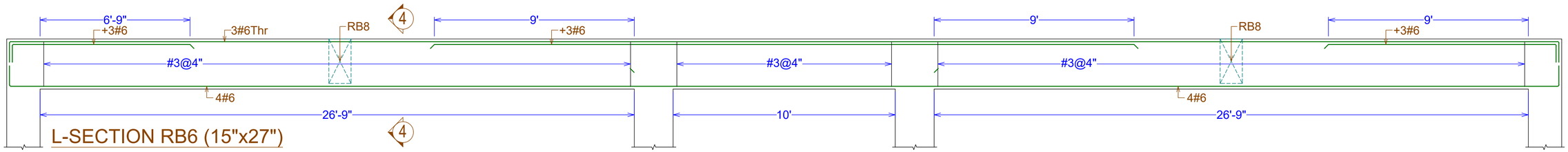
SHEET TITLE

TOP ROOF SLAB BEAMS DETAIL

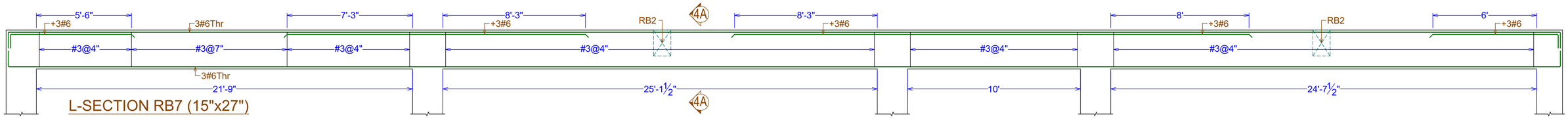
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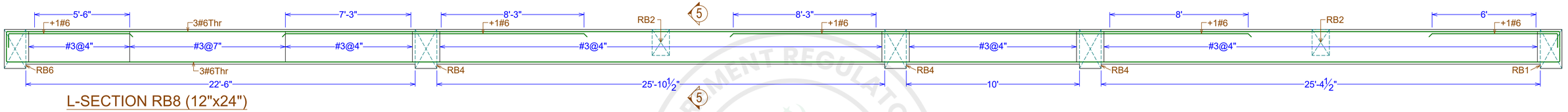
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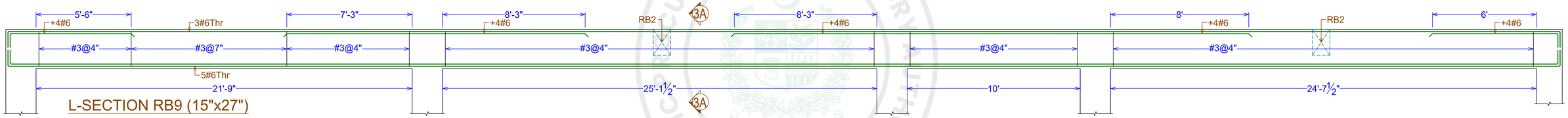
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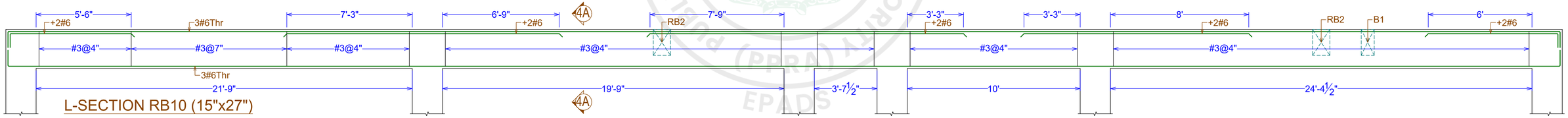
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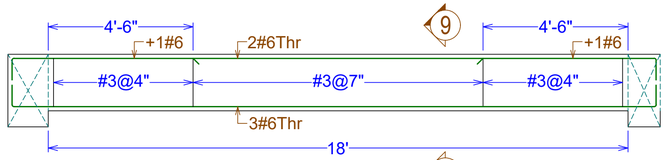
L-SECTION RB8 (12"x24")



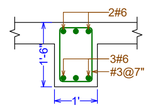
L-SECTION RB9 (15"x27")



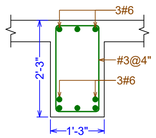
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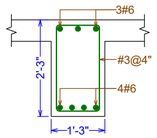
L-SECTION B1 (12"x18")



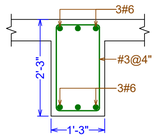
SEC AT 9-9



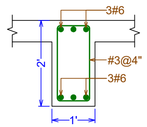
SEC AT 3A-3A



SEC AT 4-4



SEC AT 4A-4A



SEC AT 5-5

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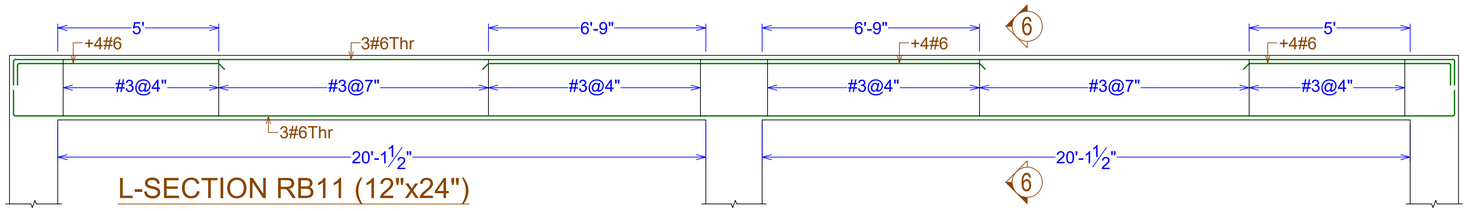
SHEET TITLE

TOP ROOF SLAB BEAMS DETAIL

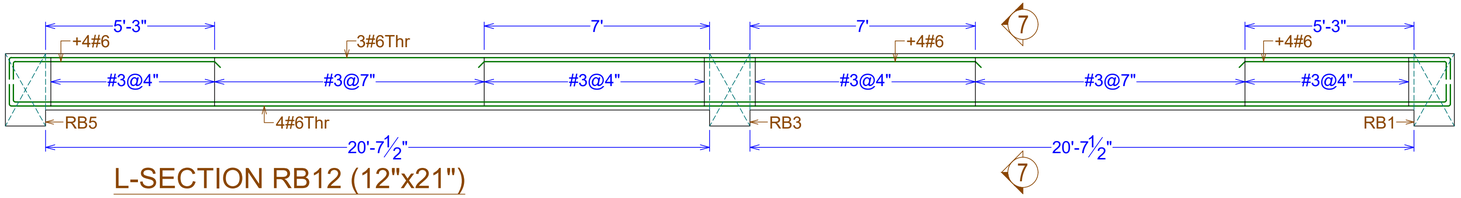
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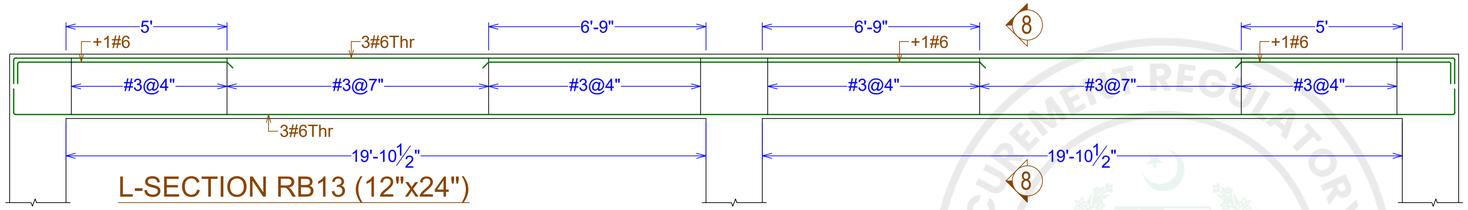
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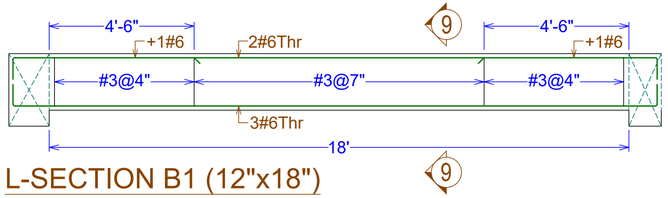
L-SECTION RB11 (12"x24")



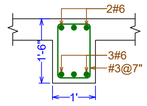
L-SECTION RB12 (12"x21")



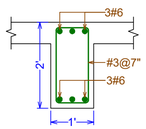
L-SECTION RB13 (12"x24")



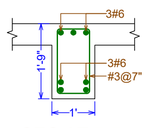
L-SECTION B1 (12"x18")



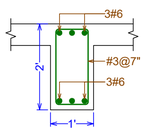
SEC AT 9-9



SEC AT 6-6



SEC AT 7-7



SEC AT 8-8

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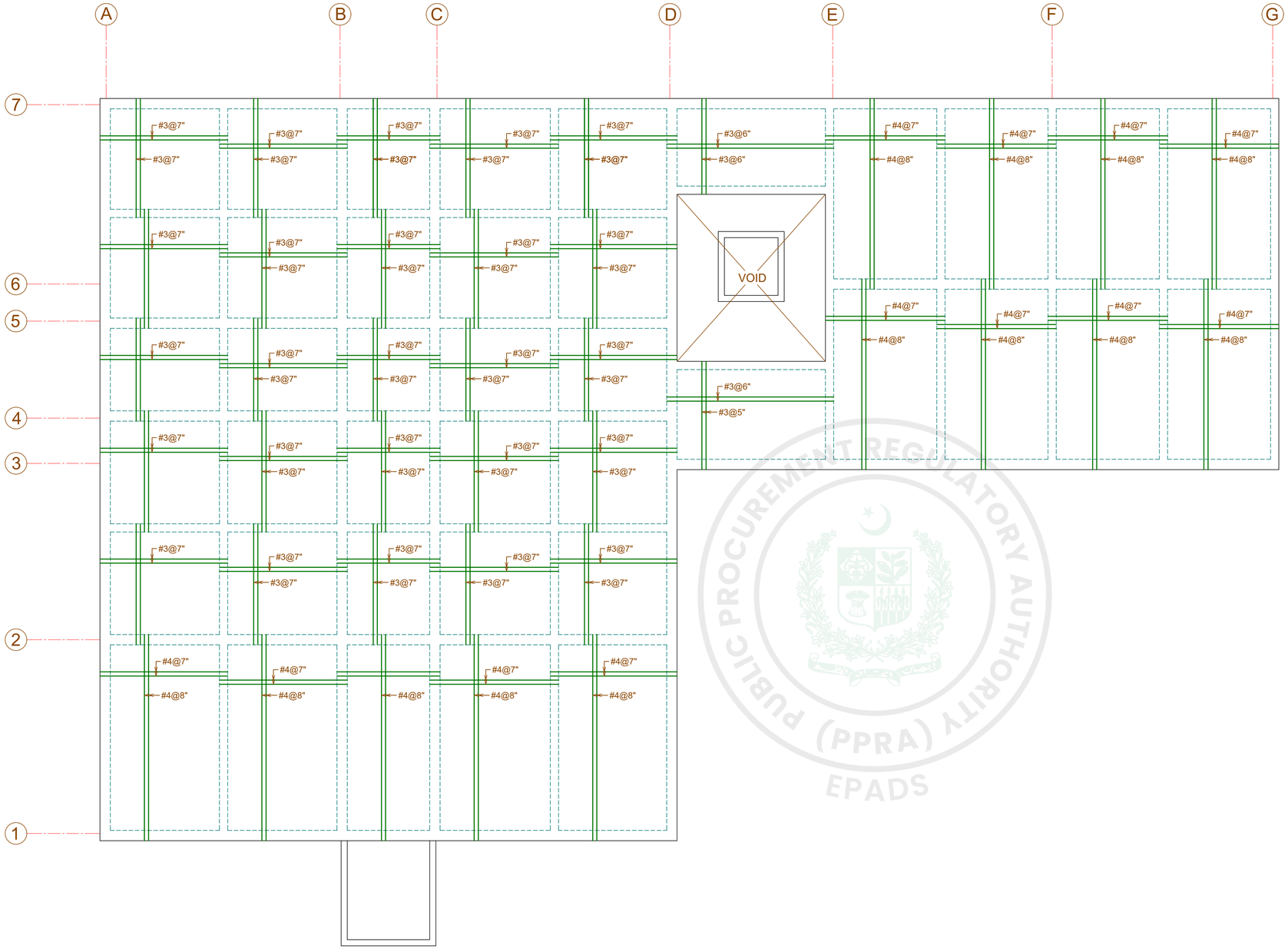
SHEET TITLE

TOP ROOF SLAB BEAMS DETAIL

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



LOWER GF ROOF SLAB BREINFORCEMENT BOTTOM BARS PLAN

ALL SLABS ARE 6" THICK EXCEPT NOTED OTHERWISE

PROJECT.

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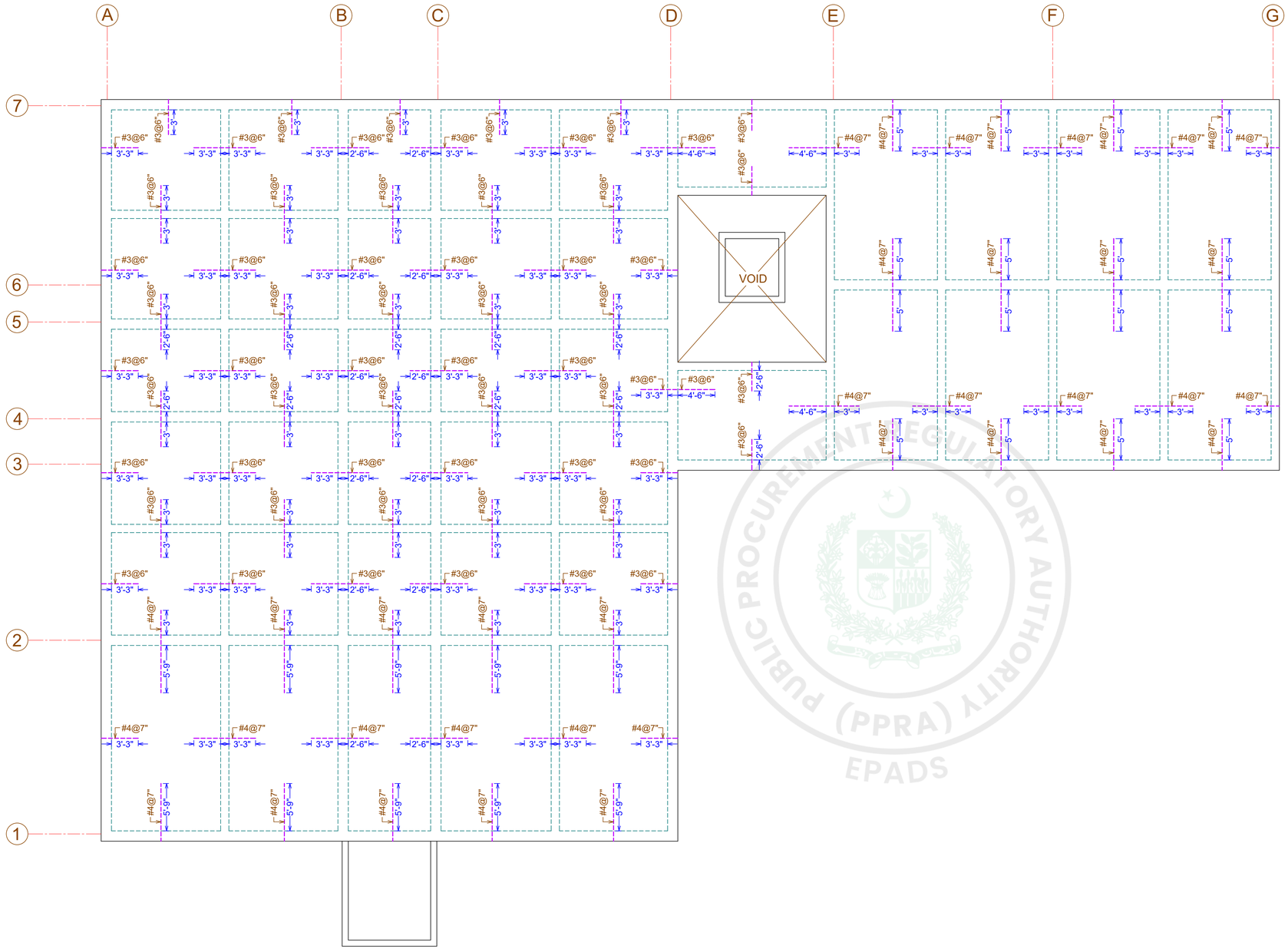
SHEET TITLE

LOWER GF REINF: BOTTOM BARS PLAN

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)
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LOWER GF ROOF SLAB BREINFORCEMENT TOP BARS PLAN

ALL SLABS ARE 6" THICK EXCEPT NOTED OTHERWISE

PROJECT.

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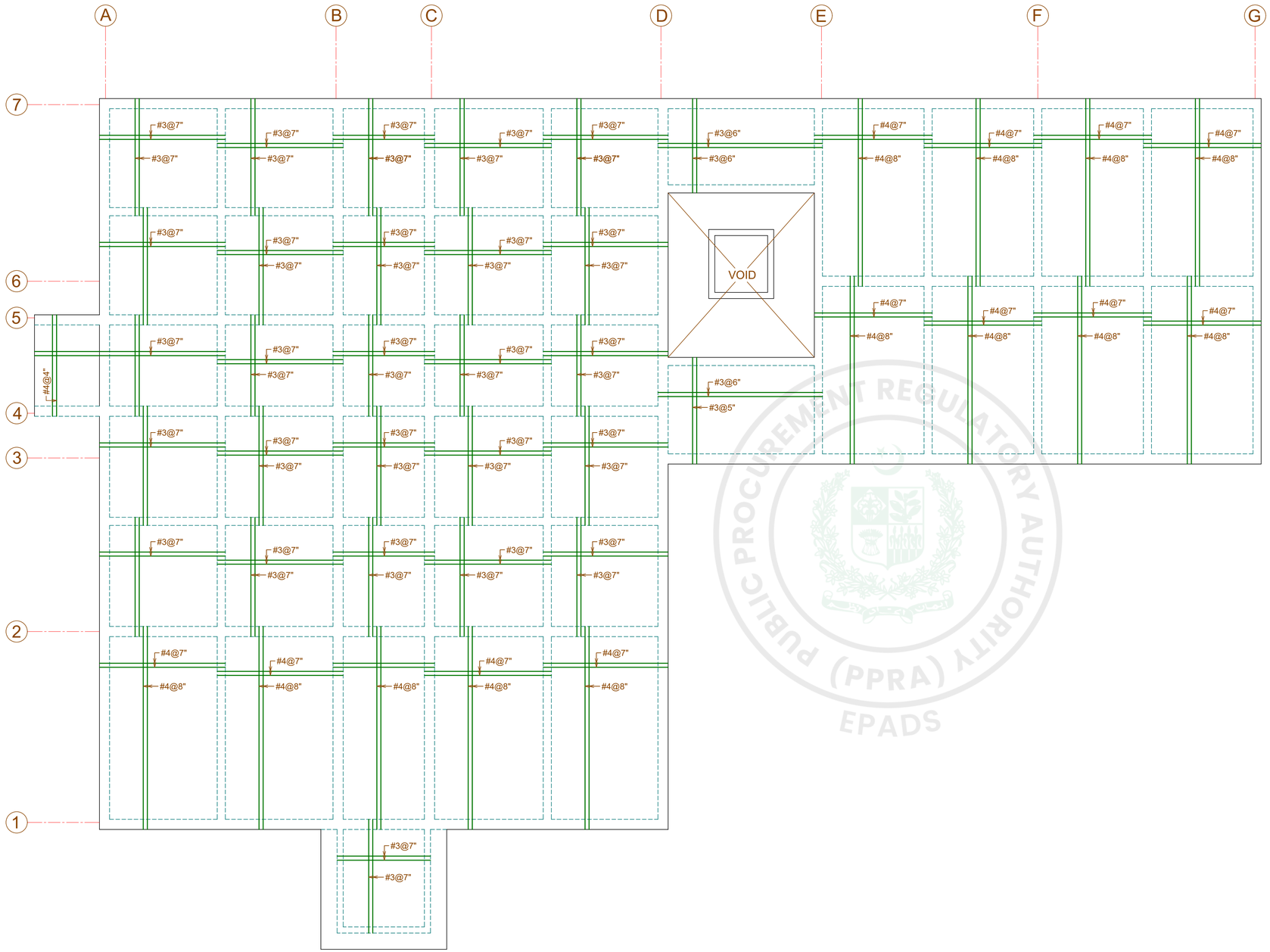
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LOWER GF REINF: TOP BARS PLAN

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



UPPER GF & FIRST FLOOR ROOF SLAB BREINFORCEMENT BOTTOM BARS PLAN

ALL SLABS ARE 6" THICK EXCEPT NOTED OTHERWISE

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

PROJECT.

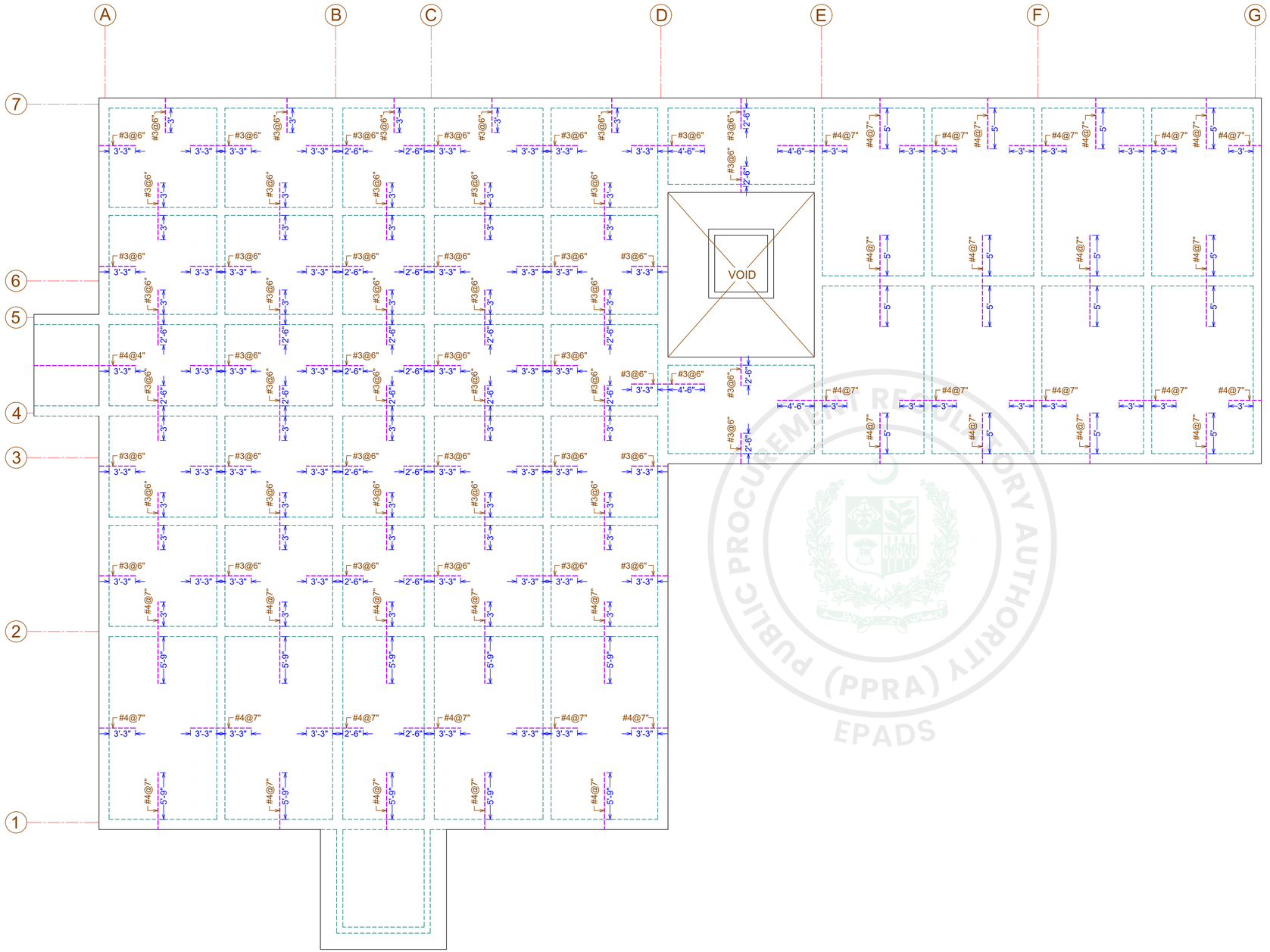
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UPPER GF & FIRST FLOOR SLAB REINF: BOTTOM BARS PLAN

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UPPER GF & FIRST FLOOR ROOF SLAB BREINFORCEMENT TOP BARS PLAN

ALL SLABS ARE 6" THICK EXCEPT NOTED OTHERWISE

PROJECT.

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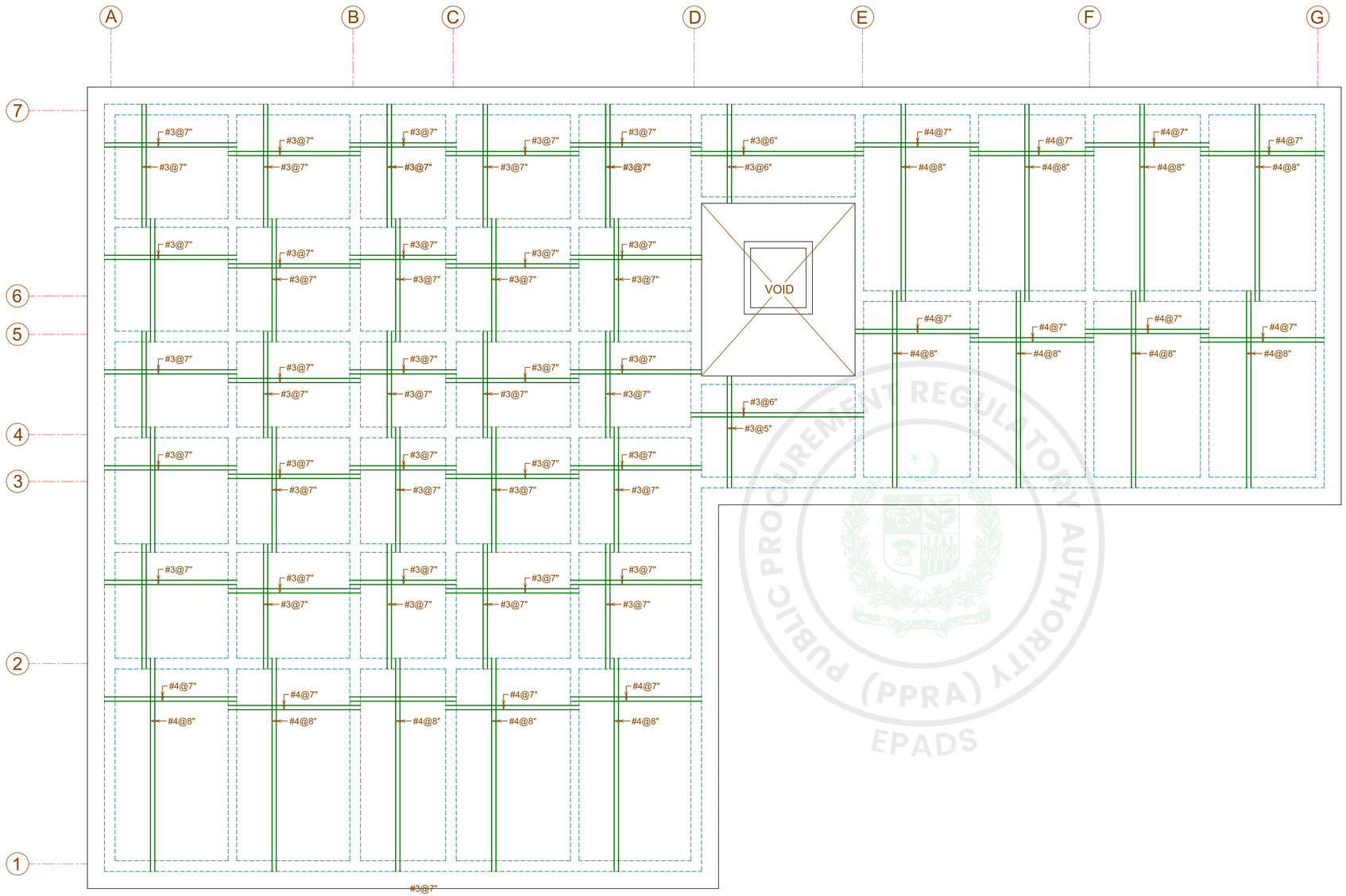
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DRAWING NO.	SHEET NO.	DATE.
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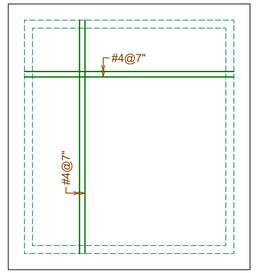
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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



TOP ROOF SLAB BREINFORCEMENT BOTTOM BARS PLAN

ALL SLABS ARE 6" THICK EXCEPT NOTED OTHERWISE



MUMTY BOT: BARS PLAN

ALL SLABS ARE 6" THICK EXCEPT NOTED OTHERWISE

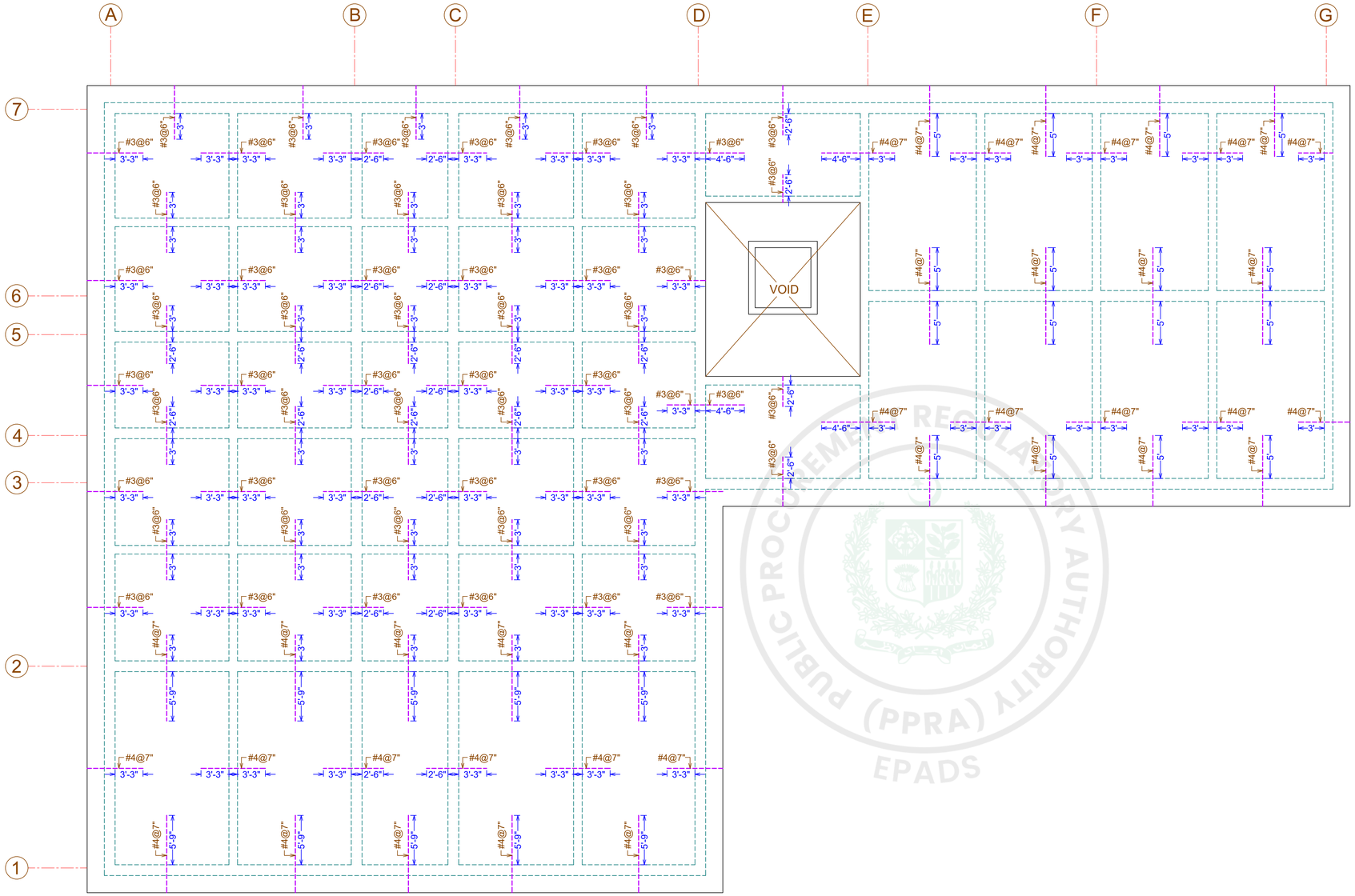
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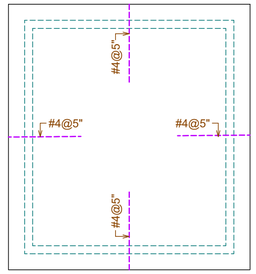
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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS



TOP ROOF SLAB BREINFORCEMENT TOP BARS PLAN

ALL SLABS ARE 6" THICK EXCEPT NOTED OTHERWISE



MUMTY TOP BARS PLAN

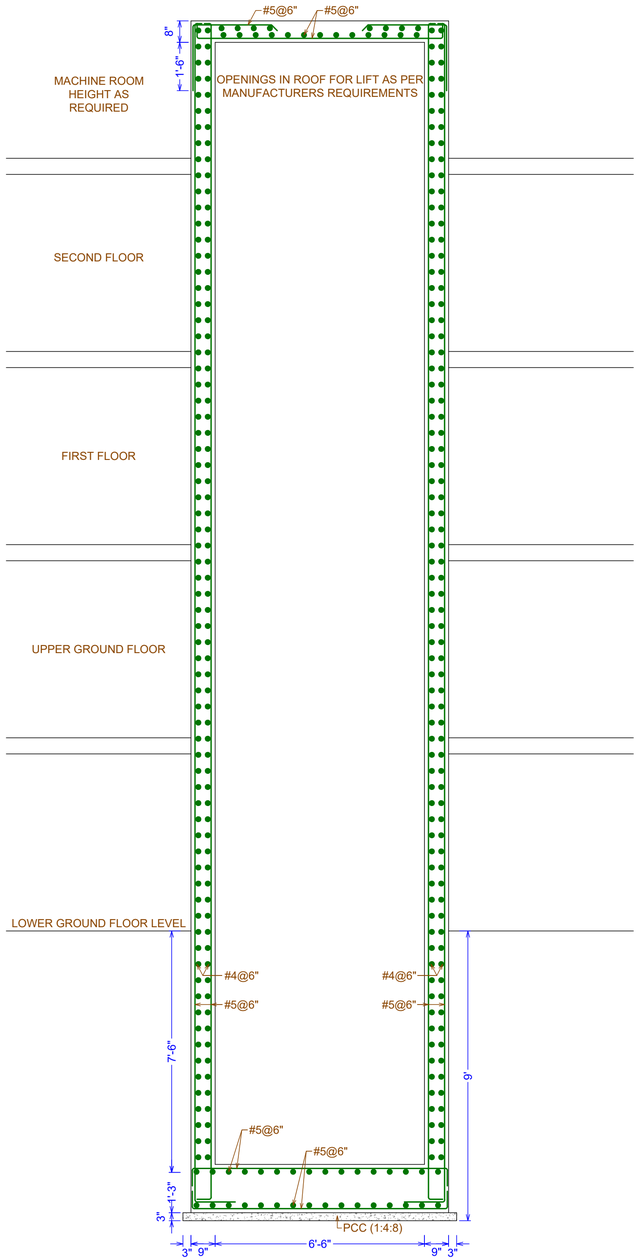
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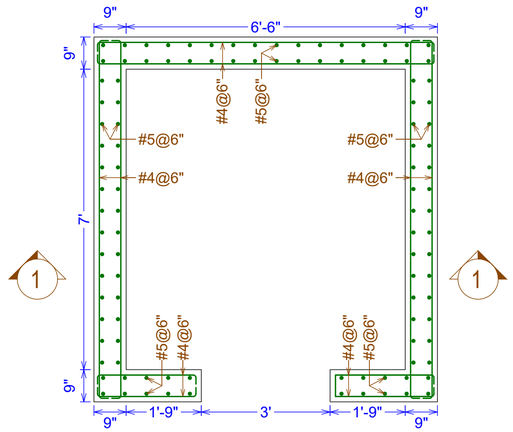
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DRAWING NO.	SHEET NO.	DATE.
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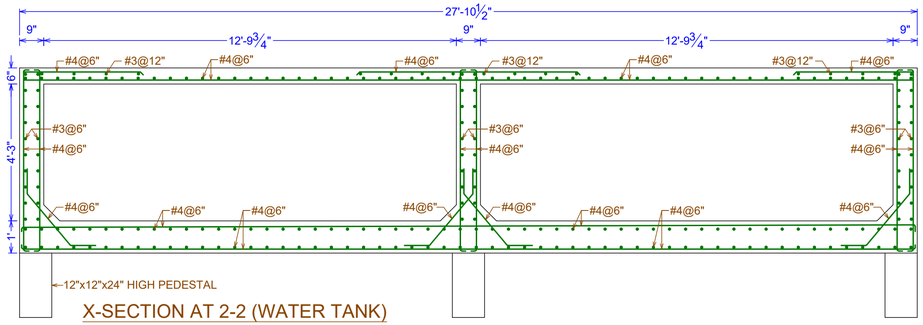
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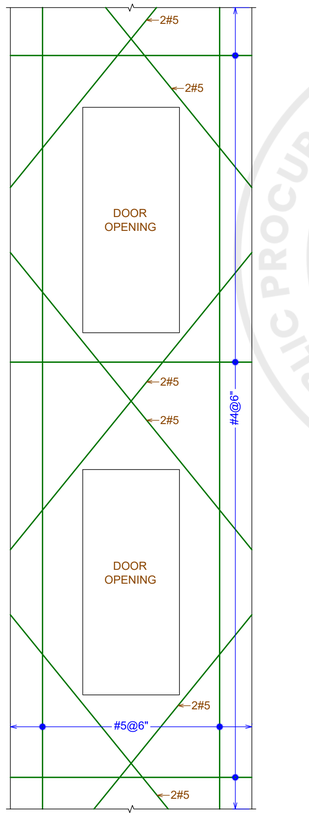
X-SECTION AT 1-1



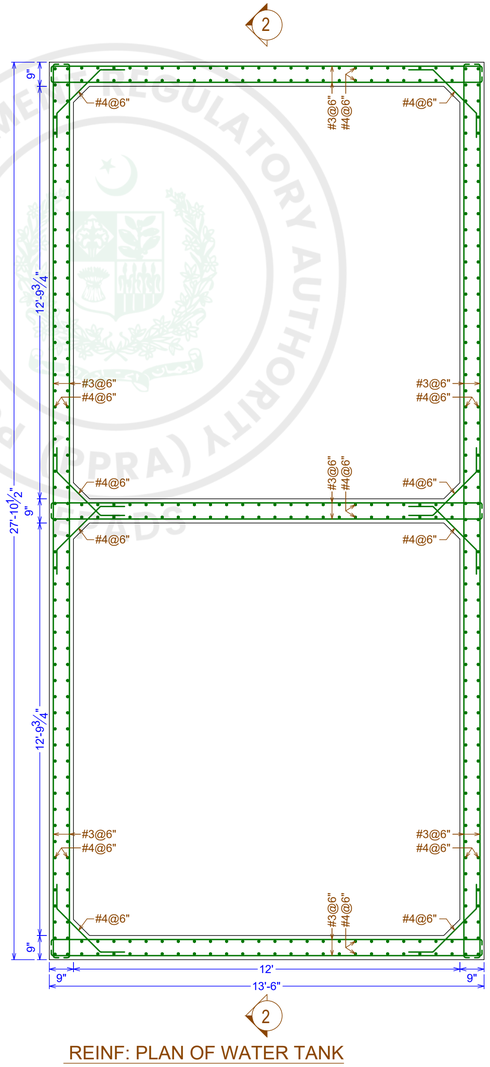
PLAN OF LIFT



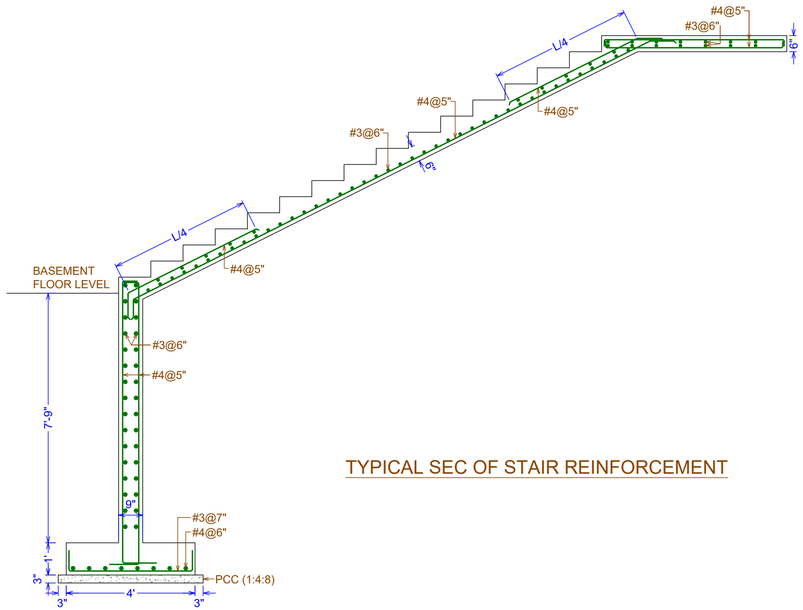
X-SECTION AT 2-2 (WATER TANK)



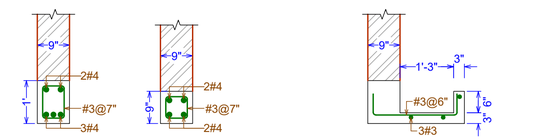
REINF DETAIL OF LIFT DOOR OPENING



REINF: PLAN OF WATER TANK



TYPICAL SEC OF STAIR REINFORCEMENT



LINTEL-1
UPTO 9'-0" SPAN

LINTEL-2
UPTO 4'-6" SPAN

EXT: DOOR/WINDOW SHADE

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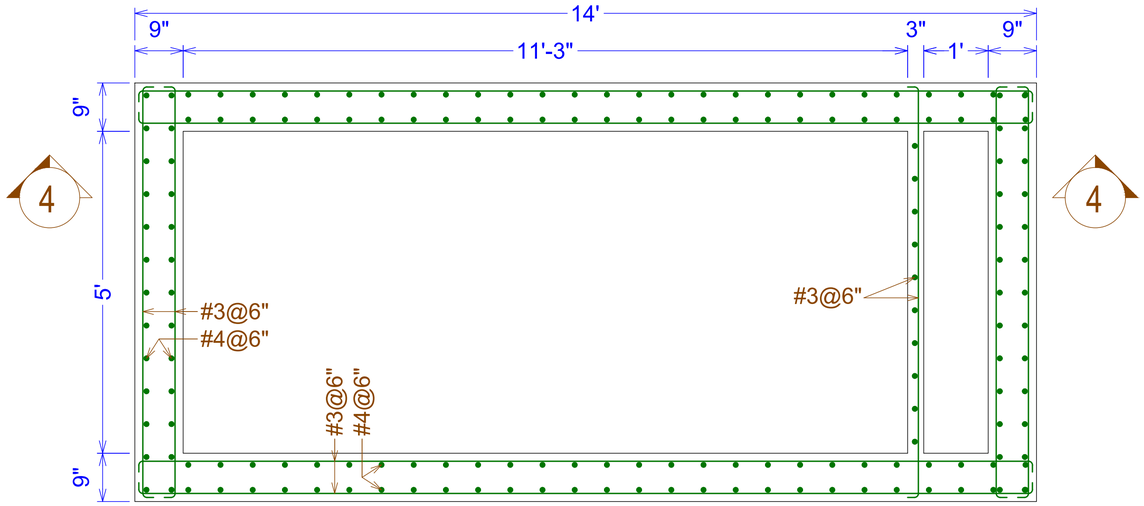
SHEET TITLE

REINF: DETAIL OF LIFT,WATER TANK & STAIR

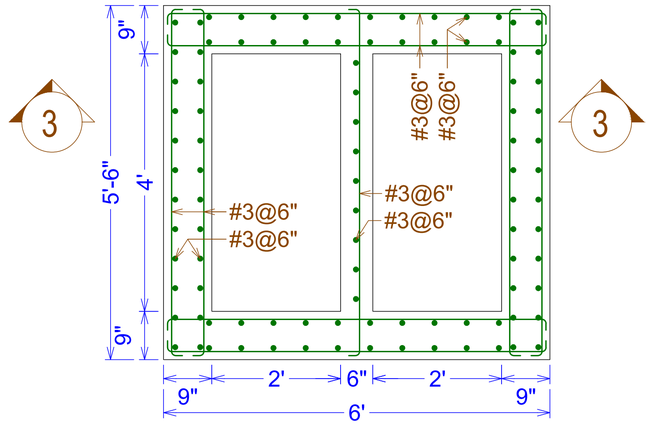
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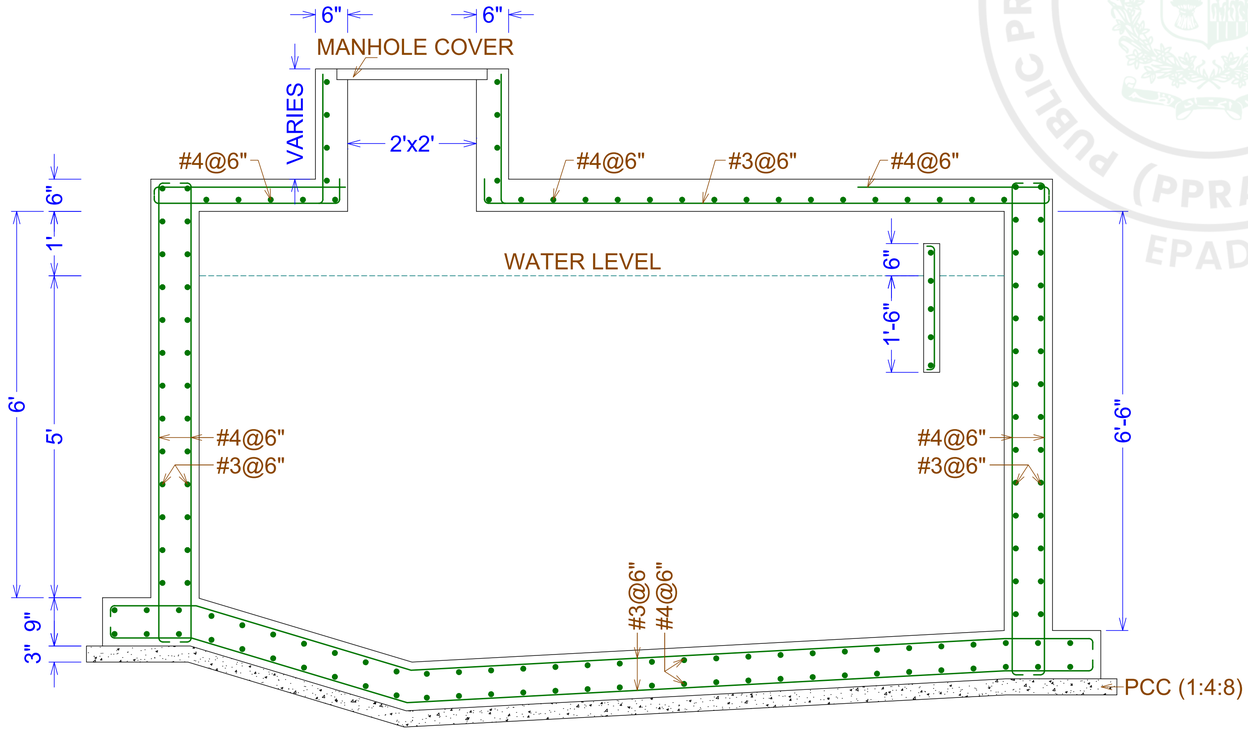
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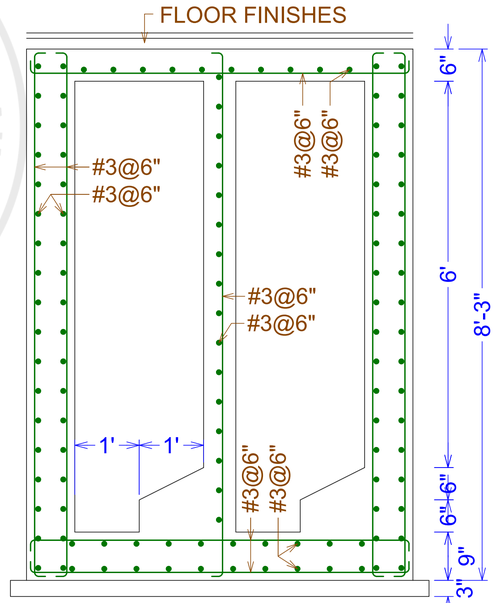
PLAN OF SEPTIC TANK



REINF: PLAN OF SUMP



L SECTION AT 4-4



X SECTION AT 3-3

PROJECT.

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SHEET TITLE

REINF: DETAIL OF SUMP &SEPTIC TANK

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PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

CONSTRUCTION EXPERIENCE

Form EXP - 4.1
General Construction Experience

Bidder's Name: _____
Date: _____
JV Member's Name_____
Bid Reference No. (if any) and title: _____
Page _____of _____pages

Starting Year	Ending Year	Contract Identification	Role of Bidder
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of EMPLOYER: _____ Address: _____	

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Form EXP - 4.2(a)

Specific Construction and Contract Management Experience

Bidder's Name: _____
Date: _____
JV Member's Name_____
Bid Reference No. (if any) and title: _____
Page _____of _____pages

Similar Contract No.	**Information**			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount			PKR equivalent	
If member in a JV or sub-contractor, specify participation in total Contract amount				
EMPLOYER's Name:				
Address: Telephone/fax number E-mail:				

Form EXP - 4.2(a) (cont.)
Specific Construction and Contract Management Experience (cont.)

Similar Contract No.	**Information**
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	
2. Physical size of required works items	
3. Complexity	
4. Methods/Technology	
5. Construction rate for key activities	
6. Other Characteristics	

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Form EXP - 4.2(b)
Construction Experience in Key Activities

Bidder's Name: _____
Date: _____
Bidder's JV Member Name: _____
Sub-contractor's Name (if any): _____
Bid Reference No. (if any) and title: _____

Page _____of _____pages

All Sub-contractors for key activities must complete the information and Qualification Criteria and Requirements, Sub-Factor 4.2.

1. Key Activity No One: _____

	Information			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Sub-contractor ☐
Total Contract Amount			PKR equivalent	
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in the contract (i)	Percentage participation (ii)		Actual Quantity Performed (i) x (ii)
Year 1				
Year 2				
Year 3				
Year 4				
EMPLOYER's Name:				
Address: Telephone/fax number				

	Information
E-mail:	

2. Activity No. Two

3. ……

	Information
Description of the key activities in accordance with Section III:	

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Form EXP - 4.2 (c)
Specific Experience in Managing ES aspects

[The following table shall be filled in for contracts performed by the Bidder, and each member of a Joint Venture]

Bidder's Name: *[insert full name]*
Date: *[insert day, month, year]*
Joint Venture Member Name: *[insertfull name]*
Bid Reference No. (if any) and title: *[insert ICB/NCB number and title]*
Page *[insert page number]* of *[insert total number]* pages

1. Key Requirement no 1 in accordance with 4.2 (c): _____

Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ☐	Member in JV ☐	Management Contractor ☐	Subcontractor ☐
Total Contract Amount			PKR	
Details of relevant experience				

2. Key Requirement no 2 in accordance with 4.2 (c): _____

3. Key Requirement no 3 in accordance with 4.2 (c): _____

4. [PA define key requirements]

Contractor's Representative and Key Personnel Schedule

Bidders should provide the names and details of the suitably qualified Contractor's Representative and Key Personnel to perform the Contract. The data on their experience should be supplied using the Form PER-2 below for each candidate.

Contractor' Representative and Key Personnel

1.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
2.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
3.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
4.	**Title of position:**	
	Name of candidate:	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]

	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
5.	**Title of position:**	
	Name of candidate	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]
6.	**Title of position:** *[insert title]*	
	Name of candidate	
	Duration of appointment:	[*insert the whole period (start and end dates) for which this position will be engaged*]
	Time commitment: for this position:	[*insert the number of days/week/months/ that has been scheduled for this position*]
	Expected time schedule for this position:	[*insert the expected time schedule for this position (e.g. attach high level Gantt chart*]

Form PER-2:
Resume and Declaration
Contractor's Representative and Key Personnel

Name of Bidder

Position [*#1*]: [*title of position from Form PER-1*]		
Personnel information	**Name:**	**Date of birth:**
	Address:	**E-mail:**
	Professional qualifications:	
	Academic qualifications:	
	Language proficiency:*[language and levels of speaking, reading and writing skills]*	
details		
	Address of Employer:	
	Telephone:	**Contact (manager / personnel officer):**
	Fax:	
	Job title:	**Years with present Employer:**

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

Project	**Role**	**Duration of involvement**	**Relevant experience**
[main project details]	*[role and responsibilities on the project]*	*[time in role]*	*[describe the experience relevant to this position]*

Declaration

I, the undersigned *[insert either "Contractor's Representative" or "Key Personnel" as applicable]* , certify that to the best of my knowledge and belief, the information contained in this Form PER-2 correctly describes myself, my qualifications and my experience.

I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Bid:

Commitment	**Details**
Commitment to duration of contract:	*[insert period (start and end dates) for which this Contractor's Representative orKey Personnel is available to work on this contract]*
Time commitment:	*[insert period (start and end dates) for which this Contractor's Representative orKey Personnel is available to work on this contract]*

I understand that any misrepresentation or omission in this Form may:

(a) be taken into consideration during Bid evaluation;

(b) result in my disqualification from participating in the Bid;

(c) result in my dismissal from the contract.

Name of Contractor's Representative or **Key Personnel: [*insert name*]**

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Bidder:

Signature: _____

Date: (day/month/year): _____

Financial Resources

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as specified in Eligibility and Qualification Criteria.

No.	**Source of financing**	**Amount (Eq. PKR)**
1		
2		
3		

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Past Experience / Contracts

Contracts over *[insert amount]* during the last three years:				
Procuring Agency	Value	Year	Goods/Services Supplied	Country of Destination

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA) EPADS

Historical Contract Non-Performance, and Pending Litigation and Litigation History

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*
Date: *[insert day, month, year]*
Joint Venture Member Name: *[insert full name]*
IFP No. and title: *[insert IFP number and title]*
Page *[insert page number]* of *[insert total number]* pages

☐ Not debarred due to deviation from commitment of Bid Securing Declaration-☐ Not debarred due to non-performance			
Year	**Non-performed portion of contract**	**Contract Identification**	**Total Contract Amount (current value, currency, exchange rate and PKR equivalent)**
[insert year]	*[insert amount and percentage]*	Contract Identification: *[indicate complete contract name/ number, and any other identification]* Name of Procuring Agency: *[insert full name]* Address of Procuring Agency: *[insert street/city/country]* Reason(s) for nonperformance: *[indicate main reason(s)]*	*[insert amount]*
Pending Litigation, in accordance with Section III, Qualification Criteria and Requirements			
☐ Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.3 as indicated below.			

Year of dispute	**Amount in dispute (currency)**	**Contract Identification**	**Total Contract Amount (currency), ~~US$~~ PKR Equivalent (exchange rate)**

[insert year]	*[insert amount]*	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Procuring Agency: *[insert full name]* Address of Procuring Agency: *[insert street/city/country]* Matter in dispute: *[indicate main issues in dispute]* Party who initiated the dispute: *[indicate "Procuring Agency" or "Supplier"]* Status of dispute: *[Indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]*	*[insert amount]*

☐ No consistent history of court/arbitral award decisions in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.4.

☐ Consistent history of court/arbitral award decisions in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.4 as indicated below.

Year of award	**Outcome as percentage of Net Worth**	**Contract Identification**	**Total Contract Amount (currency), PKR Equivalent (exchange rate)**
[insert year]	*[insert percentage]*	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Procuring Agency: *[insert full name]* Address of Procuring Agency: *[insert street/city/country]* Matter in dispute: *[indicate main issues in dispute]* Party who initiated the dispute: *[indicate "Procuring Agency" or "Supplier"]* Court/ arbitral award decision: *[Indicate if the award decision was against the Applicant or any member of a joint venture.]y]*	*[insert amount]*

Current Contract Commitments / Works in Progress

Bidders and each member to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Current Contract Commitments					
No.	Name of Contract	**Employer's Contact Address, Tel, Fax**	**Value of Outstanding Work [Current Eq. PKR]**	**Estimated Completion Date**	**Average Monthly Invoicing Over Last Six Months [Eq. PKR/month)]**
1					
2					
3					
4					
5					

Financial Situation and Performance

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*
Date: *[insert day, month, year]*
Joint Venture Member Name: *[insert full name]*
IFP No. and title: *[insert IFP number and title]*
Page *[insert page number]* of *[insert total number]* pages

1. Financial data

Type of Financial information in (currency)	**Historic information for previous _[insert number] years, [insert in words] (amount in currency, currency, exchange rate*, PKR equivalent)**				
	Year 1	Year 2	Year 3		
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

* Refer ITA 14 for the exchange rate

3. Financial documents

The Applicant and in case of JV, members of JV shall provide copies of financial statements for *[number]* years pursuant Section III, Qualifications Criteria and Requirements. The financial statements shall:

(a) reflect the financial situation of the Applicant or in case of JV member, and not an affiliated entity (such as parent company or group member).

(b) be independently audited or certified in accordance with local legislation.

(c) be complete, including all notes to the financial statements.

(d) correspond to accounting periods already completed and audited.

☐ Attached are copies of financial statements[1] for the *[number]* years required above; and complying with the requirements.

[1] If the most recent set of financial statements is for a period earlier than 12 months from the date of Application, the reason for this should be justified.

Average Annual Turnover (Annual Sales Value)

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*
Date: *[insert day, month, year]*
Joint Venture Member Name: *[insert full name]*
IFP No. and title: *[insert IFP number and title]*
Page *[insert page number]* of *[insert total number]* pages

Annual Turnover Data			
Year	**Amount** **Currency**	**Exchange rate*** **(If applicable)**	**PKR equivalent**
[indicate calendar year]	*[insert amount and indicate currency]*		
		Average Annual Turnover **	

* Refer ITA for date and source of exchange rate.

** Total PKR equivalent for all years divided by the total number of years. See Section III, Qualification Criteria and Requirements, ITA.