TRADING CORPORATION OF PAKISTAN (PVT) LIMITED
MINISTRY OF COMMERCE
GOVERNMENT OF PAKISTAN

No. TCP/REM/313-49/2011 Dated: 11th September-2025

NOTICE INVITING TENDER FOR
"RENOVATION OF TCP'S OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE"

Trading Corporation of Pakistan (Pvt.) Ltd. (TCP), Karachi, a state-owned commercial organization working under the administrative control of Ministry of Commerce, invites **"Single-Stage One Envelope"** sealed Bids through e-Pak Acquisition & Disposal System (EPADS) https://eprocure.gov.pk on percentage/item rate basis from the contractors / firms registered with Income Tax (who are active on Taxpayers list & non - defaulter of Federal Board of Revenue & Punjab Revenue Board) for the work of **"RENOVATION OF TCP'S OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE"** Contractors / Firms not blacklisted, having valid/active license of Pakistan Engineering Council (PEC) and valid electric license in the appropriate category may apply as per the given below details of work and PEC requirements:

S. NO.	NAME OF WORK	PEC Category
1.	Renovation works of TCP's Regional Office at LDA plaza, Lahore.	C-4 or above. With relevant codes.

2- A complete set of Bidding Documents containing required terms and conditions can be downloaded from http://eprocure.gov.pk , TCP website www.tcp.gov.pk and PPRA website www.ppra.org.pk free of cost.

3- The Bid Security to be attached with the Bid @ **Rs.600,000/-** in the form of Bank Draft/Pay order (refundable) drawn in favor of "Trading Corporation of Pakistan (Pvt) Limited ; scanned copy of which is required to be uploaded through EPADS and hard copy in sealed envelope having proper marking of the Company must be submitted physically on the closing date and time of the tender to Trading Corporation of Pakistan head office on the address given below.

4- The bids shall be prepared in accordance with instructions in the tender / bidding document. Complete Tendering process shall be carried out through EPADS.

5- Interested Contractors/Firms should register themselves on the EPADS before the closing date at https://eprocure.gov.pk/#/supplier/registration and submit their Bids addressed to General Manager (REBD), TCP, 4TH & 5TH Floor, Block-B, FTC Building, Shahrae Faisal, Karachi.

6- For registration and guidance/training on EPADS, Contractors/Firms may contact EPADS UAN: 051-111-137-237 or PPRA at www.ppra.org.pk.

7- Closing date for submission of bid is **30th September, 2025 by 11:00 hours**. The bids shall be opened on the **same day at 11:30 hours** in the presence of the Contractors/firms who wish to be present, in Board Room of TCP, FTC Building, Block-B, 4TH Floor, Shahrah-e-faisal, Karachi.

8- As per PPRA Rule 33, TCP may reject all bids or proposals at any time prior to the acceptance of a bid or proposal in accordance with Public Procurement Rules, 2004 and E-Pak Procurement Regulations ,2023.

9- Any instrument/document/information found to be fake or got dishonored at any stage would result in blacklisting and legal action as per law.

(RADAIN SHAH)
GENERAL MANAGER (REBD)
Ph: 021-99202563

TRADING CORPORATION OF PAKISTAN

RENOVATION OF TCP OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE

CONTRACT DOCUMENTS
CONDITIONSOFCONTRACT

SEPTEMBER, 2025

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

A. GENERAL

IB.1 Scope of Bid

1.1 The Employer as defined in the Bidding Data hereinafter called "the Employer" wishes to receive bids for the construction and completion of works as described in these Bidding Documents and summarized in the Bidding Data hereinafter referred to as the "Works".

1.2 The successful bidder will be expected to complete the Works within the time specified in Appendix-A to Bid.

IB.2 Source of Funds

2.1 TCP Funded Project.

IB.3 Eligible Bidders

3.1 This Invitation for Bids is open to all bidders meeting the following mandatory requirements:

- Contractors / Firms registered with sales tax /Income Tax (who are Active on Taxpayers List & non-defaulter of Federal Board of Revenue & Punjab Revenue Board).
- Contractors/Firms have No litigation history.
- Contractor/Firms No blacklisted.
- Valid/active registration certificate of Pakistan Engineering Council (PEC) in the category C-4 or above with CE-10 code is mandatory.
- Having Valid/active Electric License is mandatory.

IB.4 One Bid per Bidder

4.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture. A bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

IB.5 Cost of Bidding

5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

IB.6 Site Visit

6.1 The bidders are advised to visit and examine the Site of Works and its surroundings and obtain for themselves on their own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. All cost in this respect shall be at the bidder's own expense.

6.2 The bidders and any of their personnel or agents will be granted permission by the Employer to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the Employer, his personnel and agents 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 such inspection.

B. BIDDINGDOCUMENTS

IB.7 Contents of Bidding Documents

7.1 The Bidding Documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any Addenda issued in accordance with Clause IB.9.

1. Instructions to Bidders.
2. Bidding Data.
3. General Conditions of Contract, Part-I(GCC).
4. Particular Conditions of Contract,Part-II(PCC).
5. Form of Bid& Appendices to Bid.
6. Bill of Quantities(Appendix-Dto Bid).
7. Form of Bid Security.
8. Form of Contract Agreement.
9. Drawings.

7.2 The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the Bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the Bidding Documents will be rejected.

IB.8 Clarification of Bidding Documents

8.1 Any prospective bidder requiring any clarification (s) in respect of the Bidding DocumentsmaynotifytheEmployerinwritingattheEmployer'saddressindicatedin the Invitation for Bids. The Employer will respond to any request for clarification which he receives earlier than 07 days prior to the deadline for submission of bids.

Copies of the Employer's response will be forwarded to all purchasers of the Bidding Documents, including a description of the enquiry but without identifying its source.

IB.9 Amendment of Bidding Documents

1.1 At any time prior to the deadline for submission of bids, the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.

1.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 7.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Employer.

1.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may extend the deadline for submission of bids in accordance with Clause IB.20

C. PREPARATION OF BIDS

IB.10 Language of Bid

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the Employer shall be in the bid language stipulated in the Bidding Data and Particular Conditions of Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

IB.11 Documents Accompanying the Bid

11.1 Each bidder shall:

(a) Submit a written power of attorney authorizing the signatory of the bid to act for and on behalf of the bidder.

(b) Update the information indicated and listed in the Bidding Data and to meet the minimum criteria set out in this bidding documents, which as a minimum, would include the following:

(i) Evidence of access to financial resources alongwith average annual construction turnover.

(ii) Financial predictions for the current year and the two following years including the effect of known commitments.
(iv) Current litigation information; and
(v) Availability of critical equipment.

and

(c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-E to Bid	Proposed Construction Schedule
Appendix-F to Bid	Method of Performing the Work
Appendix-G to Bid	List of Major Equipment
Appendix-K to Bid	Organization Chart for Supervisory Staff

and other pertinent information such as mobilization program etc.

11.2 Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:

(a) the bid and in case of a successful bid, the Form of Contract Agreement shall be signed so as to be legally binding on all partners.
(b) one of the joint venture partners shall be nominated as being in charge; and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners.
(c) the partner-in-charge shall always be duly authorized to deal with the Employer regarding all matters related with and/or incidental to the execution of Works as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture.
(d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para(b) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid); and
(e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the Contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partner without prior written consent of the Employer.

11.3 Bidders shall also submit proposals of work methods and schedule, in sufficient detail to demonstrate the adequacy of the Bidders' proposals to meet the technical specifications and the completion time referred to in Sub-Clause 1.2 hereof.

IB.12 Bid Prices

12.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for the whole of the Works as described in Sub-Clause 1.1 hereof, based on the unit rates and / or prices submitted by the bidder.

12.2 The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the Employer when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities.

12.3 All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 07 days prior to the dead linefor submission of bids shall be included in the rates and prices and the total Bid Price submitted by a bidder.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 70.2of the General Conditions of Contract Part-I.

12.4 The rates and prices quoted by the bidders are subject to adjustment during the performance of the Contract in accordance with the provisions ofClause 70 of the Conditions of Contract. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid and shall submit with their bids such other supporting information as required under the said Clause.

IB.13 Currencies of Bid and Payment

13.1 The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees.

13.2 N/A.

IB.14 Bid Validity

14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the Date of Bid Opening specified in Clause IB.23.

14.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Employer may request that the bidders extend the period of validity for a specified additional period which shall in no case be more than the original bid validity period. The request and the responses thereto shall be made in writing. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid but will be required to extend the validity of his Bid Security for the period of the extension, and in compliance with Clause IB.15 in all respects.

IB.15 Bid Security

15.1 Each bidder shall furnish, as part of his bid, a Bid Security in the amount stipulated in the Bidding Data in Pak Rupees or an equivalent amount in a freely convertible currency.

15.2 The Bid Security shall be, at the option of the bidder, in the form of Deposit at Call or a Pay Order and Demand Draft.

15.3 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.

15.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.

15.5 The Bid Security of the successful bidder will be returned whenthe bidder has furnished the required Performance Security and signed the Contract Agreement.

15.6 The Bid Security may be forfeited:

(a) If the bidder with draws his bid except as provided in Sub-Clause22.1.

(b) if the bidder does not accept the correction of his Bid Price pursuant to Sub-Clause 27.2 hereof; or

(c) In the case of successful bidder, if he fails within the specified time limit to:

(i) Furnish the required Performance Security;or
(ii) Sign the Contract Agreement.

IB.16 Alternate Proposals by Bidder

16.1 Should any bidder consider that he can offer any advantages to the Employer by a modification to the designs, specifications or other conditions, he may, in addition to his bid to be submitted in strict compliance with the Bidding Documents, submit any Alternate Proposal(s) containing (a) relevant design calculations; (b) technical specifications; (c) proposed construction methodology; and (d) any other relevant details / conditions, provided always that the total sum entered on the Form of Bid shall be that which represents complete compliance with the Bidding Documents. The technical details and financial implication involved are to be submitted in two separate sealed envelopes as to be followed in main bid proposals.

16.2 Alternate Proposal(s), if any, of the lowest evaluated responsive bidder only may be considered by the Employer as the basis for the award of Contract to such bidder.

IB.17 Pre-Bid Meeting

17.1 The Employer may, on his own motion or at the request of any prospective bidder(s), hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the Bidding Documents. The date, time and venue ofpre-bid meeting, if convened, is as stipulated in the Bidding Data. All prospective biddersortheirauthorizedrepresentativesshallbeinvitedtoattendsuchapre- bid meeting.

17.2 The bidders are requested to submit questions, if any, in writing so as to reach the Employer not later than seven (7) days before the proposed pre-bid meeting.

17.3 Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all purchasers of the Bidding Documents. Any modification of the Bidding Documents listed in Sub-Clause 7.1 hereof which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

17.4 Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

IB.18 Format and Signing of Bid

18.1 Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the Contract strictly in accordance with the Bidding Documents.

18.2 All appendices to Bid are to be properly completed and signed.

18.3 No alteration is to be made in the Form of Bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

18.4 Each bidder shall prepare by filling out the forms completely and without alterations one (1) original and number of copies, specified in the Bidding Data, of the documents comprising the bid as described in Clause IB.7 and clearly mark them "ORIGINAL" and 'COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.

18.5 The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person or persons duly authorized to sign on behalf of the bidder pursuant to Sub- Clause 11.1(a) hereof. All pages of the bid shall be initialed and stamped by the person or persons signing the bid.

18.6 The bid shall contain no alterations, omissions, or additions, except to comply with instructions issued by the Employer, or as are necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

18.7 Bidders shall indicate in the space provided in the Form of Bid their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.

18.8 Bidders should retain a copy of the Bidding Documents as their file copy.

D. SUBMISSION OF BIDS

IB.19 Sealing and Marking of Bids

19.1 Each bidder shall submit is bid as under:

a) Tender / Bidding document containing details terms & conditions can be downloaded from http://eprocure.gov.pk and TCP website http://www.tcp.gov.pk free of cost. Bids against the tender document will be received only from those firms who are registered with PPRA for e-procurement on EPADS System (eprocure.gov.pk) for tendering in TCP through their E-mail addresses which were provided by them to PPRA at the time of their registration. The bids, prepared in accordance with instructions in the tender / bidding document must be submitted on EPADS

by the **30TH September, 2025at 1100 hours**. Bids will be opened on the same day at **1130 hours**. The submission of bid by or in person is not allowed.

b) Bid must be supported with bid security as shown in the bidding document. Copy of bid security shall be attached with the bid at the time of submission of bid through EPAD System and original shall reach to this office before opening of bid date and time.

Note: Bidders are advised to read, understand and fill the unit rate, amount & unit of BOQ items carefully, Procuring Agency/Executing Agency no case shall be responsible for any claim after the award of contract.

IB.20 Deadline for Submission of Bids

20.1 (a) Bids must be received by the Employer at the address specified no later than the time and date stipulated in the Bidding Data.

(b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims will be entertained for refund of such expenses.

(c) Where delivery of a bid is by mail and the bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package.

(d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

20.2 The Employer may, at his discretion, extend the deadline for submission of bids by issuing an amendment in accordance with Clause IB.9, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

IB.21 Late Bids

21.1(a)Any bid received by the Employer after the deadline for submission of bids prescribed in Clause IB.20 will be returned unopened to such bidder.

(b)Delays in the mail, delays of person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to determine the manner in which timely delivery of his

Bid will be accomplished either in person, by messenger or by mail.

IB.22 Modification, Substitution and Withdrawal of Bids

22.1 Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the Employer prior to the deadline for submission of bids.

22.2 The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION","SUBSTITUTION" o r "WITHDRAWAL" a s appropriate.

22.3 No bid may be modified by a bidder after the deadline for submission of bids except in accordance with Sub-Clauses 22.1 and 27.2.

22.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security in pursuance to Clause IB.15.

E. BID OPENING AND EVALUATION

IB.23 Bid Opening

23.1 The Employer will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data. The bidders' representatives who are present shall sign a register evidencing their attendance.

23.2 Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause IB.22 shall not be opened.

23.3 The bidder's name, total Bid Price and price of any Alternate Proposal(s), any discounts, bid modifications, substitution and withdrawals, the presence or absence of Bid Security, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening of bids.

23.4 Employer shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the Sub-Clause 23.3.

IB.24 Process to be Confidential

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of bid evaluation report which shall be done

at least ten (10) days prior to issue of Letter of Acceptance. The announcement to all Bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the Employer's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas any bidder feeling aggrieved may lodge a written complaint not later than fifteen (15) days after the announcement of the bid evaluation report; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

IB.25 Clarification of Bids

25.1 To assist in the examination, evaluation and comparison ofbids, the Employer may, at his discretion, ask any bidder for clarification of his bid, including breakdowns of unit rates. The request for clarification and the response shall beinwritingbutnochangeinthepriceorsubstanceofthebidshallbesought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the bids in accordance with Clause IB.28.

IB.26 Examination of Bids and Determination of Responsiveness

26.1 Prior to the detailed evaluation of bids, the Employer will determine whether each bid is substantially responsive to the requirements of the Bidding Documents.

26.2 Asubstantiallyresponsivebidisonewhich(i)meetstheeligibilitycriteria; (ii) has been properly signed; (iii) is accompanied by the required Bid Security; and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Employer's rights or the bidder's obligations under the Contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

26.3 If a bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

IB.27 Correction of Errors

27.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(a) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and

(b) where there is a discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line-item total as quoted will govern and the unit rate will be corrected.

27.2 The amount stated in the Form of Bid will be adjusted by the 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 Bid Price, his Bid will be rejected, and the Bid Security shall be forfeited in accordance with Sub- Clause 15.6(b) hereof.

IB.28 Evaluation and Comparison of Bids

28.1 The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause IB.26.

28.2 In evaluating the Bids, the Employer will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:

(a) MakinganycorrectionforerrorspursuanttoClauseIB.27.
(b) excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and
(c) Making an appropriate adjustment for any other acceptable variation or deviation.

28.3 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.

28.4 If the Bid of the successful bidder is seriously unbalanced in relation to the Employer's estimate of the cost of work to be performed under the Contract, 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, the Employer may require that the amount of the Performance Security set forth in Clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful bidder under the Contract.

F. AWARDOFCONTRACT

IB.29 Award

29.1 Subject to Clauses IB.30 and IB.34, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance withtheprovisionsofClauseIB.3andqualifypursuanttoSub-ClauseIB29.2.

29.2 The Employer, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

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

IB.30 Employer's Right to accept any Bid and to reject any or all Bids

30.1 Notwithstanding Clause IB.29, the Employer reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation except that the grounds for rejection of all bids shall upon request be communicated to any bidder who submitted a bid, without justification of grounds. Rejection of all bids shall be notified to all bidders promptly.

IB.31 Notification of Award

31.1 Prior to expiration of the period of bid validity prescribed by the Employer,the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Employer will pay the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called the "Contract Price").

31.2 No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted, however, Employer may have clarification meetings to get clarify any item in the bid evaluation report.

31.3 The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Employer and the bidder till signing of the formal Contract Agreement.

31.3Upon furnishing by the successful bidder of a Performance Security, the Employer will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

IB.32 Performance Security

32.1 The successful bidder shall furnish to the Employer a Performance Security in the form and the amount stipulated in the Bidding Data and the Conditions of Contract within a period of 28 days after the receipt of Letter of Acceptance.

32.2 Failure of the successful bidder to comply with the requirements of Sub-Clause IB.32.1 or Clauses IB.33 or IB.35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.33 Signing of Contract Agreement

33.1 Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Employer will send the successful bidder the Contract Agreement in the form provided in the Bidding Documents, incorporating all agreements between the parties.

33.2 The formal Agreement between the Employer and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the Employer.

IB.34 General Performance of the Bidders

The Employer reserves the right to obtain information regarding performance of the bidders on their previously awarded contracts/works. The Employer may in case of consistent poor performance of any Bidder as reported by the employers of the previously awarded contracts, interalia, reject his bid and/or refer the case to the Pakistan Engineering Council (PEC). Upon such reference, PEC in accordance withits rules, procedures and relevant laws of the land take such action as may be deemed appropriate under the circumstances of the case including blacklisting of such Bidder and debarring him from participation in future bidding for similar works.

IB.35 Integrity Pact

The Bidder shall sign and stamp the Integrity Pact provided at Appendix-L to Bid in the Bidding Documents for all Federal Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

IB.36 Instructions not Part of Contract

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the Bid or the Contract Documents.

BIDDING DATA

BIDDING DATA

The following specific data for the Works to be bided shall complement, amend, or supplement the provisions in the Instructions to Bidders.Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

1.1 Name and address of the Employer:

Trading Corporation of Pakistan(Pvt.) Limited 4th Floor, Block B ,Finance & Trade Center, Shahrea Faisal, Karachi.

1.3 Name of the Project:

Repair/Renovation Works at TCP's Regional Office Lahore (LDA Plaza).

2.1 Name of the Borrower/Source of Financing /Funding Agency:

TCP Funded Project.

2.2 Amount and type of financing:

3.1 Eligible Bidders

Delete the text of clause3.1(b)and replacewith the following

This Invitation for Bids is open to all bidders meeting the following requirements:

- Contractors / Firms registered with sales tax/ Income Tax (who are Active on Taxpayers List of Federal Board of Revenue, Punjab Revenue Board)
- Contractors / Firms registered which are non-defaulter of Federal Board of Revenue, Punjab Revenue Board, Trading Corporation of Pakistan & all govt. organizations.
- Contractors/Firms have No litigation history.
- Contractor/Firms No black listed.
- Valid/active registration certificate of Pakistan Engineering Council (PEC) in the category C-4 or above with CE-10 code is mandatory.
- Having Valid/active Electric License.

8.1 Time limits for clarification:

7 days before deadline of submission of bids

1.1 Bid language:

English.

11.1 Documents accompanying the Bid

Delete the text of clause11.1(b)&(c)and replace with the following:

The bid is being invited as per **'Single Stage-One Envelope'** procedure, in Compliance of PPRA Rule No. 36(a).

1. Each bid shall comprise one single envelope having technical and financial requirements. All bids received shall be opened and evaluated in the manner prescribed in the bidding document.
2. The 'Technical Proposal' must contain the following as per the requirements of this document and criteria mentioned in clause 28.1(ii) of bidding data:
   a. Name of firm/contractor with year of establishment along with Postal Address and telephone number.
   b. Partnership deed of the firm(if applicable)
   c. Name of Technical Supervisory Staff along with their qualification/experience & proof for their stay with the firm, with fresh affidavit as per criteria specified in clause 28.1(ii) of bidding data
   d. Detail of equipment such as shuttering, scaffolding, automatic concrete batching plant, & etc. complete in all respect giving their model, make, condition & location. Proof / lease affidavit of possession/provision of equipment is mandatory (Details should be given as mentioned in clause 28.1(ii) of bidding data)
   e. No. of project of similar nature and general works in hand and completed.(Details should be given as mentioned in clause 28.1(ii) of bidding data)
   f. Registration/Clearance from FBR and PRA
   g. Detail of Court cases if any/arbitration cases etc.
   h. Enlistment with concerned Government Departments.
   i. Detail of financial soundness.
   j. Undertaking on judicial paper that the firm was never blacklisted by any Government, Semi Govt. Organization.
   k. Copy of Valid Registration with Pakistan Engineering Council. Any additional information with documents in addition to the above that the firm might like to furnish in support of their application.

l.	Appendix-E to Bid	Proposed Construction Schedule
m.	Appendix-F to Bid	Method of Performing the Work
n.	Appendix-H to Bid	Construction camp and housing facilities
o.	Appendix-I to Bid	List of Subcontractors
p.	Appendix-K to Bid	Organization Chart of the Supervisory Staff and Labour
q.	Appendix-L to Bid	Integrity Pact

3. The "Financial proposal" must contain following documents:
   a. Priced BOQ
   Bid Security **600,000** PKR in the form of CDR /pay order from Any scheduled bank of Pakistan in favour of Trading Corporation of Pakistan (Pvt.) Limited

11.2 Joint Venture (JV)

Delete the text of clause11.2 and replace with the following:

Joint Venture is not applicable to the said project.

13.1 Currencies of Bid and Payment

Bidders to quote entirely in Pak.Rupees

14.1 Period of Bid Validity:

90 days.

15.1 Bid Security:
&15.2

Bid Security **600,000 PKR** in the form of CDR/pay order from any scheduled bank of Pakistan in favour of Trading Corporation of Pakistan (Pvt.) Limited

16.0 Alternate Proposals by Bidder

Deletethetextofclause16.1&16.2andreplacewiththefollowing

No Alternate bidis allowed

17.1 Venue, time, and date of the pre-Bid meeting:

18.4 Number of copies of the Bid to be completed and returned:

One copy to be uploaded on EPAD Portal.

19.2(a) Employer's address for the purpose of Bid submission:

Trading Corporation of Pakistan

Address: Trading Corporation of Pakistan (Pvt.)Limited 4th Floor, BlockB, Finance & Trade Center, Shahrea Faisal, Karachi.

19.2(b) Name and Number of the Contract:

Repair/ Renovation Works at TCP's Regional Office Lahore (LDA Plaza).

20.1 (a) Dead line for submission of bids:

Bids will be received till **1100 hours on 30th September - *2025*** at EPADS only.

23.1 Venue, time, and date of Bid opening:

Bids will be opened **at 1130 hours** on **30th September - *2025*** at TCP Board Room, FTC Building, Block-B, 4th floor, Karachi.

.1 Evaluation and Comparison of Bids:

Add following text to clause 28.1

i. Each bid shall comprise one single having technical and financial requirements. All bids

Received shall be opened and evaluated in the manner prescribed in the bidding document.

ii. **Technical Evaluation Criteria**

Technical proposal of contractors will be evaluated as per following criteria:

Sr. No.	Category	Weightage /Marks
1.	Experience Record	45
2.	Personnel Capabilities	5
3.	Equipment Capabilities	10
4.	Financial Soundness	35
5.	HSE Statement	5
	Total:	**100**

Note: *Technical soundness shall be decided on the basis of Pass/Fail basis. The applicant must secure at least overall 70% score.*

Relevant Experience and PEC Requirement

Sr. No.	Type of Work	PEC Requirement
1.	Building Works	(PEC) in the category C-4 or above with CE-10 code (Mandatory)

a. **General Experience**

Credit Marks for experience shall be awarded on the basis of following criteria:

Sr. No.	Description	Maximum Points
i)	Min. 10 Nos. completed projects of renovation, upgradation of office facilities / Bank facilities of minimum area 5000 sft. or more (Documentary evidence would be required for the confirmation of completion and covered area)	30
ii)	Min. 3 Nos. of projects completed of similar nature from past 10 years.	15
	Sub-total:	**45**

b. **Personnel Capabilities**

Credit Marks shall be awarded under this category using the following Criteria:

Sr. No.	Description	Maximum Points
	Graduate Engineer (CV, PEC Reg.) DAE Associate Engineer (Civil) (CV, Educational Docs.).	5

c. **Equipment Capabilities**

Credit Marks shall be granted on the basis of the following criteria forvarious kinds of equipment (provide list of Equipments):

Sr. No.	Equipment	Maximum Marks
1.	List of required equipment attached	10
	Sub-total:	**10**

d. **Financial Position**

Credit Marks shall be awarded on the basis of the following criteria:

Sr. No.	Description	Maximum Marks
i)	Audited Report of last 3-years showing Average Annual Turnover of 25 million will be awarded full marks but for less than 25million no marks will be awarded.	15
ii)	Registration with FBR & PRA	10
iii)	Litigation History in which Decision has been given against the firm. (In case the firm is involved in any litigation, no marks will be given and 2 points will be given in case affidavit of no litigation is attached).	5
iv)	Blacklisting from any agency. (In case the firm is blacklisted, no Marks will be given and 05 points will be given in case affidavit by the company that it has not been black listed is attached).	5
	Sub-total:	**35**

e. **Health safety & Environment (HSE)Policy** **5**

29.1 Award of the Contract:

Delete the text of clause 29.1 & 29.2 and replace with the following:
Subject to Clause IB.30 and IB.34, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Document, has met the technical requirement criteria as mentioned in clause 28.1(ii) and has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be eligible in accordance with the provisions of Clause IB.3.

37.0 Price Adjustment:

No price adjustment will be applicable on said project.

38. <u>ARBITRATION:</u>

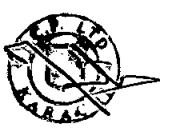
Any difference or dispute or liability of whatsoever nature arising out of the contract or in any way relating to the contract or to its construction or fulfillment should be settled as far as possible, amicably between the Contractor and TCP. If the parties fail to come to an amicable settlement the same shall be referred to the Chairman TCP, for final decision. The decision of Chairman TCP shall be final and binding on both the parties.

PartI – General Conditions of Contract

General Conditions of the Contract are standard and can be downloaded from PPRA/PEC Website



Part II - Particular Conditions of Contract



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PARTII-PARTICULARCONDITIONSOFCONTRACT

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10.1 Performance Security

The text is deleted and substituted with the following:

The Contractor shall provide Performance Security to the Employer in the prescribed form. The said Security shall be furnished or caused to be furnished by the Contractor within 14 days after the receipt of the Letter of Acceptance. The Performance Security shall be of an amount equal up to **5% of** the Contract Price stated in the Letter of Acceptance. Such Security shall be in the form of Pay order or CDR from any Scheduled Bank in Pakistan

The cost of complying with requirements of this Sub-Clause shall be borne by the Contractor.

10.4 Performance Security Binding on Variations and Changes

The Performance Security shall be binding irrespective of changes in the quantities or variations in the Works or extensions in Time for Completion of the Works which are granted or agreed upon under the provisions of the Contract.

48.2 Taking Over of Sections or Parts

For the purposes of para (a) of this Sub-Clause, separate Times for Completion shall be provided in the Appendix-A to Bid "Special Stipulations".

51.2 Instructions for Variations

At the end of the first sentence, after the word "Engineer", the words "in writing" are added.

52.1 Valuation of Variations

In the tenth line, after the words "Engineer shall"the following is added:

within a period not exceeding one-eighth of the completion time subject to a minimum of 56 days from the date of disagreement whichever is later.

59.4 Payments to Nominated Subcontractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments].

59.5 Certification of Payments & Nominated Subcontractors

Before issuing a Payment, Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

a) Submits reasonable evidence to the Engineer,or

b) i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and

ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Employer may (at his sole discretion) pay direct to the nominated

Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Employer, the amount which the nominated Subcontractor was directly paid by the Employer.

60.1 Monthly Statements

In the first line after the word "shall", the following is added:

"On the basis of the joint measurement of work done under Clause 56.1,"

In Para (c) the words "the Appendix to Tender" are deleted and substituted with the words "Sub-Cause 60.11 (a)(6) hereof".
(IncaseClause60.11isapplicable)

60.10 Time for Payment

The text is deleted and substituted with the following:

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause ,or to any other terms of the Contract, shall, subject to Clause 47, be paid by the Employer to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Consultant/Employer and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 60.8, within 60 days after such Final Payment Certificate has been jointly verified by Consultant/Employer and Contractor

60.13 Mode of Payment

The payments shall be released by the Employer to the Contractor, at Employer's choice, either in the form of Cheque/(s)drawn in the favour of the Contractor or in the form of Irrevocable Inland Letter of Credit(LC)opened in the favour of Contractor. If letter of credit is opened in favour of contractor, the cost (commission and bank charges) of L/C shall be the responsibility of the Contractor

70.1 Increase or Decrease of Cost

Sub-Clause70.1isdeletedinitsentirety,and substituted with the following: Price adjustment is not applicable to this project.

71.0 Currency and Rates of Exchange

Sub-Clauses71.1,72.1,72.2 and 72.3are deleted entirely and substituted with the following:
Contract is based on Pakistani Rupees(PKR)and payments will be made only in Pakistani Rupees (PKR)
The following Sub-Clauses 73.1, 75.1 are added:

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax and other taxes on income arising out of the Contract and the rates and prices stated in the Contract shall be deemed to cover all such taxes as per prevailing laws.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall bemadeafterhavingdeductedtheamountsduetotheEmployerunderSub-Para(a)and (c)of this Sub-Clause.

75.1 Termination of Contract for Employer's Convenience

The Employer shall be entitled to terminate the Contract at any time for the Employer's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor:

(a) Shall proceed as provided in Sub-Clause65.7 hereof; and

(b) shall be paid by the Employer as provided in Sub-Clause 65.8 hereof.

OTHER CONDITIONS: -

i. Trading Corporation of Pakistan (Pvt.) Limited, Karachi (hereinafter referred as TCP) invites reputable firms and contractors to submit bids.

ii. Tender shall be prepared and submitted through EPADS Portal strictly in accordance with the instructions set forth herein.

iii. The parties who have been defaulter and/or in litigation with TCP at any time shall not be eligible to participate in the bid (Affidavit required).

iv. In case of any difference in amount written in figures or words, the lowest amount will be treated as offer.

v. **Conditional bids are not acceptable.**

vi. In case of any unforeseen situation or government holiday resulting in closure of office on the date of opening. Bid shall be submitted /opened on next working day at the given time.

vii. Mobilization advances not applicable.

viii. The price shall be quoted in Pak Rupees only.

ix. The quoted price shall be inclusive of all taxes, expenditure, including transportation, installation charges, and other charges, if any, whatsoever.

x. TCP reserves the right to accept or reject any or all offers wholly or partially as per PPRA Rules-2004.

xi. **The insurance of the equipment and staff is the responsibility of the contractor (Affidavit required). Any insurance will be required will be responsibility of the contractor.**

FORM OF BID AND APPENDICES TO BID

FORM OF BID

Bid Reference No. _____
(Name of Contract /Works)

To:
_____
_____
_____

Gentleman,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract. Specifications, Drawings and Bill of Quantities and Addenda Nos. _____for the execution of the above-named Works, we, the undersigned, offer to execute and complete such Works and remedyanydefectsthereininconformitywiththe ConditionsofContract.Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said conditions.

2. We understand that all the Appendices attached hereto form part of this Bid.

3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of Rupees _____ (Rs. _____) drawn in your favour or made payable to you and valid for a period of _____days beginning from the date Bids are opened.

4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in Appendix-A to Bid.

5. We agree to abide by this Bid for the period of _____days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

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

Dated this _____day of_____20_____

Signature: _____

in the capacity of _____duly authorized to sign Bids for and on behalf of

_____

(Name of Bidder in Block Capitals)
(Seal)

Address: _____
_____
_____

Witness:

Signature: _____
Name: _____

Address. _____
_____

Occupation_____

SPECIALSTIPULATIONS

Clause

Conditions of Contract

1.	Engineer's Authority to issue Variation in emergency.	2.1	15%of the Contract Price stated in the Letter of Acceptance.
2.	Amount of Performance Security	10.1	5% of Contract Price stated in the Letter of Acceptance in shape of Pay order or CDR from any scheduled bank of Pakistan.
3.	Time for Furnishing Program	14.1	Within 14 days from the date of receipt of Letter of Acceptance.
4.	Time for Commencement	41.1	Within 7 days from the date of receipt of Engineer's Notice to Commence which shall be issued within fourteen (14) days after signing of Contract Agreement.
5.	Time for Completion	43.1	03 months.
6.	a) Amount of Liquidated Damages	47.1	**Rs. 20,000/- for each day of delay in completion of the Works subject to a maximum of 10% of Contract Price stated in the Letter of Acceptance.**
7.	Defects Liability Period	49.1	365 days from the effective date of Taking Over Certificate form consultant.
8.	Percentage of Retention Money	60.2	5% of the amount of Interim Payment Certificate will be deducted up to the maximum limit specified
9.	Limit of Retention Money	60.2	5% of Contract Price stated in the Letter of Acceptance.
10.	Minimum amount of Interim Payment Certificates(Running Bills)	60.2	Rs.6 million. Taxes will be applicable as per law.
11	Time of Payment from delivery of Engineer's Interim Payment Certificate to the Employer.	60.10	30 days. (subject to verification of consultant).

BILL OF QUANTITIES

A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.

2. The quantities given in the Bill of Quantities are estimated and provisional and are given to provide acommonbasisforbidding.Thebasisofpaymentwillbetheactualquantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract.

3. The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all costs of Contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract. Furthermore, all duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to deadline for submission of Bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.

4. A rate or price shall be entered against each itemin the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the Contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.

5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works.

6. General directions and description of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the priced Bill of Quantities.

7. Provisional sums included and so designated in the Bill of Quantities shall be expendedinwholeorinpartatthedirectionanddiscretionoftheEngineerinaccordancewith Sub- Clause 58.2 of Part I, General Conditions of Contract.

B. Work Items

1. The Bill of Quantities are attached at the end of this document.

PROPOSED CONSTRUCTION SCHEDULE

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the Works shall be completed on or before the date stated in Appendix-A to Bid. The Bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed program for completion of the whole of the Works and parts of the Works may meet Employer's completion targets in days noted below and counted from the date of receipt of Engineer's Notice to Commence (Attach sheets as required for the specified form of Construction Schedule):

	Description	**Time for Completion**
a)	Whole Works	_____days
b)	Part-A	_____days
c)	Part-B	_____days

METHOD OF PERFORMING THE WORK

[The Bidder is required to submit a narrative outlining the method of performing the Work. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.

2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.

3. The method of executing the Works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.]

LIST OF MAJOR EQUIPMENT–RELATED ITEMS

[The Bidder will provide on Sheet 2 of this Appendix a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the Works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.

ORGANIZATION CHART
FOR THE
SUPERVISORY STAFF AND LABOUR

(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 No._____Dated _____ Contract Value: _____
Contract Title: _____

..... [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 (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by 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, fees 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 consultation 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, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts 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 rights 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 ofany 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.

Name of Seller/Supplier: .....
Signature:.....
[Seal

FORMS

PERFORMANCE SECURITY
CONTRACTAGREEMENT

FORM OF PERFORMANCE SECURITY (Not Applicable)

(Bank Guarantee)

Guarantee No._____
Executed on _____
Expiry date _____

[Letter by the Guarantor to the Employer]

Name of Guarantor(Bank) withaddress:_____
(Scheduled Bank in Pakistan)

Name of Principal(Contractor)withaddress:_____
_____

Penal Sum of Security (express in words and figures)_____
_____

Letter of Acceptance No. _____Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the
_____(hereinafter called the Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has accepted the Employer's above said Letter of Acceptance for _____
_____(Name of Contract) for the _____
_____(Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwiseto remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in

writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

PS-2

We, _____(the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demandany sum or sums up to the amount stated above, against the Employer's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums upto the amount stated above upon first written demand from the Employer forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed, andthesepresentsdulysignedbyitsundersignedrepresentative,pursuanttoauthorityof its governing body.

_____
Guarantor (Bank)

Witness:

1. _____ Signature _____

_____ Name _____
Corporate Secretary(Seal)

Title _____

2. _____

_____ _____
Name, Title &Address Corporate Guarantor(Seal)

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the _____ day of_____(month) 20_____ between _____ (hereafter called the "Employer")of the one part and _____(hereafter called the "Contractor") of the other part.

WHEREAS the Employer is desirous that certain Works, viz _____shoul d be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnessed as follows:

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

2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:

(a) The Contract Agreement.
(b) The Letterof Acceptance.
(c) The completed Form of Bid.
(d) Special Stipulations(Appendix-AtoBid).
(e) The Particular Conditions of Contract–PartII.
(f) The General Conditions–Part I.
(g) The priced Bil l of Quantities (Appendix-DtoBid).
(h) The completed Appendices to Bid(B,C,EtoM).
(i) The Drawings.
(j) The Specifications.

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract,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 Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor	Signature of Employer
(Seal)	(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:	Witness:
(Name, Title and Address)	(Name, Title and Address)

TRADING CORPORATION OF PAKISTAN

RENOVATION OF TCP OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE

BOQ

AUG 2025

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RENOVATION OF TCP OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE

BILL OF QUANTITIES

SUMMARY OF COST

MRS, 2nd BI-ANNUAL-2025 (01.07.25 to 31.12.2025) DISTRICT LAHORE

Sr. No.	DESCRIPTION	AMOUNT
1.	CIVIL WORKS	
2.	PUBLIC HEALTH WORKS	
3.	ELECTRIC WORKS	
	SUB-TOTAL	
	TOTAL	
	ADD PST	
	GRAND TOTAL AMOUNT	

Amount in Words:

RENOVATION OF TCP OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE

BILL OF QUANTITIES

CIVIL WORKS

MRS, 2nd BI-ANNUAL-2025 (01.07.25 to 31.12.2025) DISTRICT LAHORE

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
1	C-6/6 a-(3)+f	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4), add extra for Second Floor.	P.Cft	50.0	912.95	45,648
2	C-6/13 b-ii	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-60)	%Kg	321.73	29,926.85	96,283.80
3	C-7/5(i) + 6(ii)	Pacca brick work in Second floor cement, sand mortar Ratio 1:5	%Cft	266.96	46683.45	124,627.31
4	C-7/5(i) + 6(ii)	Pacca brick work in Second floor cement, sand mortar Ratio 1:4	%Cft	222.08	47931.45	106,443.77
5	C-11/11(b) + 29	Cement plaster 1:5 upto 20' (6.00 m) height:- ½" (13 mm) thick. (Internal Second Floor)	%Sft	1209.6	5330.00	64,472
6	C-11/11(c)+ 28	Cement plaster 1:5 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick. (Internal Second Floor)	%Sft	1209.6	6797.45	82,222
7	C-11/8(a) + 28	Cement plaster 3/8" thick under soffit or R.C.C. roof slab only Second Floor ratio 1:3.	%Sft	550.0	5471.00	30,091
8	C-13/31 (a+b)	Preparing surface and painting with emulsion paint three coats.	%Sft	4608.00	4579.25	211,012
9	C-13/46	Providing and applying wall putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respect.	%Sft	9216.00	576.25	53,107
10	C-9/51	P/L false ceiling comprising of 5/8" thick plaster of paris sheet of required size in approved design with one line of 6" wide niche all around,hanging with Copper wire (16 SWG) duly enri ched with POP and flaxen i/c the cost of making space for rope light /screws/jute/making hol es for li ghts and rawal plugs complete in all respects as approved and directed by the Incharge.(Measurement will be made as per carpet Area).(Executive Office and Meeting Room)	P.Sft	636.0	125.50	79,818
11	C-10/4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	%Cft	242.44	14059.40	34,085.26
12	C-6/5(f)	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate):(f) Ratio 1: 2: 4	%Cft	452.23	51408.70	232,484.36
13	Ch 10/45-a- (iii)	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. .a) Full body Glazed tiles (iii) 600 mm x 600 mm.	P.Sft	3462.50	457.80	1,585,133
14	Ch 10/36-a- (iii)	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a) Full body Glazed tiles (iii) 600 mm x 600 mm.	P.Sft	235.29	457.90	107,739
15	C-10/23 (i)	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	406.00	311.50	126,469.00

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
16	C-10/24 (i)	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	P.Sft	1785.00	311.75	556,473.75
17	C-10/51 (i)	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge. (i) 3/4" thick	P.Sft	57.00	1244.80	70,954
18	C-10/49	Extra for Bevelling charges of marble edge in approved design complete in all respects i/c the cost of Carborandam disc as approved and directed by the Engineer Incharge.	P.Rft	19.00	39.90	758
19	C-10/50	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	Each	7.00	980.70	6,865
20	C-25/49	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	194.00	1563.15	303,251.10
21	C-12/12	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	P.Sft	87.50	665.10	58,196.25
22	C-12/60 (b) - (ii)	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by theEngineer Incharge. (ii) 12" (300 mm) long	Each	5.00	1252.30	6,262
23	C-12/31	Providing and fixing, approved quality mortice lock	Each	5.00	1176.00	5,880.00
24	C-12/64	Providing and fixing auotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge	Each	8.00	5027.00	40,216
25	C- 12/17 - (ii)	Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.(ii) 10.50 " wide	P.Sft	35.00	761.60	26,656
26	C- 12/17 - (iii)	Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge.(iii) 5.5 " wide	P.Sft	52.50	549.15	28,830
27	C-13/5 c(i+ii)	Painting new surface:- c) Preparing surface and painting of doors and windows any type (including edges):- 3 coats	%Sft	205.26	4572.55	9,385.66
28	C-25/52	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4")and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm hickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	P.Sft	68.91	1329.00	91,578.52

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
29	C-12/58 (iii)	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects iv) 2' deep without back.(Pantry)	P.Sft	25.63	1847.05	47,340
30	C-12/58 (iv)	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects iv) 2' deep with back.(Pantry & Cabinet)	P.Sft	617.47	1997.05	1,233,118
31	C-25/57	Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A , i/c 12 mm tinted TEMPERED glass with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.(Floor hinge will be paid separately)	P.Sft	1908.00	1553.80	2,964,650
32	C-12/63	Providing and fixing heavy duty 3 mm thick SS Plate, die-cast metal automatic hydraulic operated door stopper (Concealed floor hinge) embeded in floor i/c the cost of Top pivot hinge,hardware, cutting of floor and making it good complete in all respect as approved and directed by the Engineer Incharge.	Each	10.00	9107.00	91,070
33	C-9/50	Providing and fixing Drywall Partition (4" thick) which consist of Gypsum Board sheet screwed to G.I Track U Channel (72mm x 32mmx 32mm x 0.50mm thick) fixed at top & bottom Horizontally and G.I Studs (C-Channel) size (70mm x 34mm x 36mm x 0.50mm thick) at equal vertical interval @ 2' C/C fit within the channel sections to form the frame work, including 12mm gypsum board (confirming to ASTM 1396) on both sides with infill insulation material(rockwool) i /c of jointing compound, self adhesive fiberglass tape for covering the joints between the drywall panels, corner angle bead, Smart Screws (3.5mm x 25mm), flex metal corner tape, for smooth and homogeneous look, grinding the exposed compound with abrasive paper, complete in all respects, as per specification and as approved by The Engineer.	P.Sft	550.00	395.75	217,663
		Total of MRS ITEMS				**8,738,781**
		Add/ Deduct Premium Above/ Below +/- ____%				
1	NSI	Providing and fixing Dampa ceiling tile Perforated Style comprises of size 2'x2' of specified design and 0.7 mm thick including aluminium frame of approved design & quality @ 2" c/c both ways Including cost of all material Runner Spring Tee,Wall Angle, Tee Clip and Bracket ,hanging with G.I/ wire, G.I hook, Rawal Plug etc.making opening for light fixtures complete in all respect and as approved and directed by the Engineer Incharge. (i)Aluminum Brand:Douglas(Imported) (ii) Colour: White	P.Sft	484.9		
2	NSI	Providing and fixing PVC Doors 38mm thickness i/c deluex matching color with PVC frame matt or glossy finish having color (Oak Wood- Dard Oak Wood, Coffee Wood-Honey Pine Wood-Mahagony) i/c all accessories i/c mortice locks complete in all respect as approval by the Engineer Incharge.	P.Sft	87.50		
3	NSI	Providing and installing windows Vertcial roller blinds including all hardware required complete in all respect as approved & direction by the Engineer Incharge.	P.Sft	570.5		
4	NSI	Providing and applying of 2 coat of Acrylic Re-enforced Cementitious water proofing & Protective Coating (ConFlex 515) Complete in all respects.(Bath)	P.Sft	2956.00		
5	NSI	Providing and fixing stainless steel mesh of 16 guage fixed with nails for concrete and bricks joint complete in all respect and as approved and directed by the Engineer Incharge.	P.Sft	604.80		
6	NSI	Supplying and applying Epoxy bonding agent (Chemdur-32) for making joint of fresh/new and hardened/old concrete i/c preparing the surface for application of epoxy complete in all respect as per drawing & instructions of Engineer in-charge. (Imporient Chemicals or Equivalent)	P.Sft	201.60		

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
7	NSI	Providing and mixing SBR Latex is a synthetic rubber emulsion for adding to cement mortars and concrete where good adhesion, water resistance are improved strength characteristics required 2-3 Liter add in by 50kg weight of cement as proposed by the designer etc complete in all respect.	P.Ltr	403.20		
8	NSI	Re-installation of aluminium glazed partition at any height after proper cleaning of all components, including alignment, fixing, sealing, and minor repairs as required, complete in all respects as directed by the Engineer-In-Charge.	P.Sft	400.50		
9	NSI	Re-installation of Dampa Ceiling of Executive Office and Meeting Room where required including alignment,fixing,and minor repairs as required, complete in all respects as directed by the Engineer-In-Charge.	P.Sft	636.00		
10	NSI	The existing doors of any size will be replaced only after the contractor completes the necessary repairs, ensuring the doors meet all requirements including civil works, any type labour fixing, lock, hinges,tower bolt e.t.c transportation complete in all respect as approved and directed by the Engineer In Charge	P.Sft	220.50		
11	NSI	The existing Windows of any size will be replaced only after the contractor completes the necessary repairs, ensuring the Windows meet all requirements including civil works, any type labour fixing, lock,hinges,tower bolt e.t.c transportation complete in all respect as approved and directed by the Engineer In Charge	P.Sft	103.36		
12	NSI	Dismantling and removal of tiles,dado,Scraping Cement plaster,old paint and brickwork in lime or cement mortar. It covers partitions of any material, ceilings of all types and removal of doors with chowkats,windows,ventilators.Dismantling of plain cement concrete (1:2:4) and reinforced concrete, including cleaning and stacking of reinforcement, is included.Dampa ceiling cleaning and minor repairs is also part of the job. It includes old plumbing fixtures, pipelines, and electrical fittings and Dismantling of ant types etc. All unusable materials shall be stacked at a designated place, and debris disposed of at an approved location, with work completed as per direction of the Engineer-in-Charge.	P.Job	1.00		
		TOTAL OF NON-MRS ITEMS				
		GRAND TOTAL OF CIVIL WORKS				

RENOVATION OF TCP OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE

BILL OF QUANTITIES

PUBLIC HEALTH WORKS

MRS, 2nd BI-ANNUAL-2025 (01.07.25 to 31.12.2025) DISTRICT LAHORE

SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (RS)	AMOUNT (RS)
		SANITARY FIXTURES AND FITTINGS				
1	Ch 19/3	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP /rubber connection,thimble,seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	Each	4.00	62,839.10	251,356
2	Ch 19/4	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. i) white	Each	2.00	6,950.50	13,901.00
3	Ch 19/13 (i)	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white	Each	2.00	5,680.50	11,361.00
4	Ch 19/10-(i)	Providing and fixing glazed earthen ware sink, including bracket set, waste pipe and waste coupling:- i) 60x45 cm (24"x18")	Each	1.00	6,083.45	6,083.45
5	19/16	Providing and fixing, chromium plated soap dish.	Each	5.00	981.60	4,908
6	19/18	Providing and fixing, chromium plated toilet paper holder.	Each	5.00	1,272.30	6,362
7	19/19 (i)	Providing and fixing, chromium plated towel rail:- i) 60 cm (24") long, and 2 cm (¾") dia.	Each	2.00	1,337.20	2,674
8	Ch 19/20	Providing and fixing looking glass 55x40 cm (22"x16") size,and minimum 5 mm thick, first quality	Each	12.00	1,546.20	18,554
9	Ch 19/21	Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass i) glass shelf only, without chromium plated brackets and railing.	Each	2.00	818.40	1,637
10	19/35 (ii)	Providing and fitting "P" trap:ii) 10 cm (4") glazed.	Each	6.00	488.05	2,928
11	19/34	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:-ii) 10x7.5 cm (4"x3")	Each	10.00	1,270.80	12,708
12	19/7 (v)	Providing and fitting glazed earthen ware wash hand basin /vanity56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin	Each	4.00	12,567.55	50,270
13	19/30	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	Each	4.00	3,854.00	15,416
14	19/5-ii	Providing and fixing chromium plated bottle trap with waste pipe, etc. complete ii) 4 cm (1½")	Each	5.00	1,932.00	9,660
15	19/31 (i)	Providing and fixing gun metal peet/gate valve (screwed):- i) 30 mm (1¼") dia	Each	1.00	6,852.00	6,852
16	19/31 (ii)	Providing and fixing gun metal peet/gate valve (screwed):-ii) 40 mm(1½") dia	Each	1.00	9,624.00	9,624
17	Ch 19/49 b (i)	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. (b) Multi-Trap (i) 4" dia	Each	4.00	1,376.10	5,504
18	Ch 19/49 d (i)	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. (d) Clean Out (i) 4" dia	Each	2.00	716.10	1,432

SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (RS)	AMOUNT (RS)
19	Ch 19/49 c (i)	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe Fittings make of dadex /Popular/Beta/BBJ conforming to code EN-1401 ncluding the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge. (c) Vent Cowel (i) 4" dia	Each	2.00	400.50	801
20	19/52 (v)	Providing and fixing CP bath Room Set made of Sonex/ Master/ Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer in charge. (v) Muslim shower	Each	5.00	2,387.00	11,935
21	19/52 (iii)	Providing and fixing CP bath Room Set made of Sonex/ Master/ Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer in charge. (iii) Double Bib Cock	Each	5.00	1,907.00	9,535
22	19/25 (ii)	Providing and fixing chromium plated stop cock,heavy:- ii) 1.5 cm (½")	Each	1.00	1,756.00	1,756
23	19/27 (ii)	Providing and fixing chromium plated bib cock:- ii) 1.5 cm (½")	Each	1.00	1,648.00	1,648
24	Ch 23/33	**WATER SUPPLY PIPES AND FITTINGS**				
		Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned) b) PN-20 pipe				
	i.	20 mm dia.	P.Rft	65.00	76.15	4,950
	ii.	25 mm dia.	P.Rft	146.90	101.85	14,962
	iii.	32 mm dia.	P.Rft	10.00	162.10	1,621
25	Ch 19/47	**SOIL, WASTE, VENTILATING PIPES & FITTINGS**				
		Providing, fixing, testing and commissioning of µ-PV C (Unplasticized Polyvinyl Chloride) Nikasi/SWV pipe, Dadex/Popular /Beta or approved equivalent manufacturer, plain / Bell Ended / Z-Joints conforming to BS 4514 / BS 5255 - EN 1329 including the cost of specials and Solvents complete in all respects, as per drawings & specificationsand/or as approved and directed by the Engineer Incharge				
	iv	82.mm dia.	P.Rft	127.50	168.85	21,528
	v	110 mm dia.	P.Rft	75.00	268.00	20,100
	vi	160 mm dia.	P.Rft	66.00	520.90	34,379
		GEYSER				
26	Ch 19/55 (iv)	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet , insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (A mbassador / Canon) or approved equivalent manufacturer i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.(iv) 20 Gal capacity	Each	3.00	39,134.40	117,403
		TOTAL OF MRS ITEMS				**671,850.54**
		Add/ Deduct Premium Above/ Below +/- ____%				

SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (RS)	AMOUNT (RS)
1	NSI	Providing and fixing, floor trap of PVC, including concrete chamber all round, and C.I. grating:-. (Master, sonex or Equivalent).	Each	2.00		
2	NSI	Providing and fitting Chromium plated floor Trap Jali 6"x6" double filter National and as approved by the Engineer incharge complete in all respect.	Each	9.00		
		TOTAL OF NON-MRS ITEMS				
		GRAND TOTAL OF PUBLIC HEALTH WORKS				

RENOVATION OF TCP OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE

BILL OF QUANTITIES

ELECTRICAL WORKS

MRS, 2nd BI-ANNUAL-2025 (01.07.25 to 31.12.2025) DISTRICT LAHORE

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
1		**WIRING IN CONCEALED CONDUITS**				
i)		**Distribution board to Switch, Switch to Switch**				
		Wiring of light circuit from Distribution Board to switch,with Three nos. single core 2.5 Sqmm PVC insulated 450/750 volts grade stranded copper conductor cables in concealed PVC conduits (conduits partly shared) including PVC conduit, and conduit accessories etc. Cable should be of FAST, Newage or universal cables and conduit should be of Solo,popular,easyfit or equivalent as approved by engineer incharge				
a	ch/24/9 (a(iii))	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated: iii) 7/0.74 mm (7/0.029")	RMtr	405	176.50	71,483
b	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. iii) 25 mm i/d	Rmtr	135	467.80	63,153
ii)		**Switch to light point & point to point wiring**				
		Wiring from switch to light or fan point with 3 nos. single core 1.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories,etc.(conduit partly shared). Cable should be of FAST, Newage or universal cables and conduit should be of Solo,popular,easyfit or equivalent as approved by engineer incharge				
a	ch/24/9 (a(i))	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe\wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	RMtr	2085	123.35	257,185
b	ch/24/3 (ii)	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. ii) 20 mm i/d	Rmtr	695	264.00	183,480
iii)		**Distribution board to General Purpose (5A/13A) Socket, Socket to Socket**				
		Wiring from 5 Amps, 2&3 pin socket to socket with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade solid or stanerd copper conductor cables in concealed PVC conduit including PVC conduit,Conduit accessories, etc complete. (conduit partly shared). Cable should be of FAST, Newage or universal cables and conduit should be of Solo,popular,easyfit or equivalent as approved by engineer incharge				
a	ch/24/9 (a(iii))	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated: iii) 7/0.74 mm (7/0.029")	RMtr	600	176.50	105,900

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
b	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. iii) 25 mm i/d	Rmtr	200	467.80	93,560
iv)		**Distribution board to AC 20Amps DP socket**				
		Wiring of circuit from distribution board to 15A, 230Volts, DP switch with 3 nos. single core 4Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc (conduit partly shared for A/Cs). Cable should be of FAST, Newage or universal cables and conduit should be of Solo,popular,easyfit or equivalent as approved by engineer incharge				
a	ch/24/9 (a(iv))	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.Ipipe/wooden strip batten/wooden casing an capping/G.I.wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated: iv) 7/0.91 mm (7/0.036")	RMtr	90	243.45	21,911
b	ch/24/3 (iv)	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. iv) 32 mm i/d	Rmtr	30	547.70	16,431
2		**CONDUITS, PIPES, DUCT , CABLE TRAYS, FIXING CLAMPS AND FIXING ARRANGEMENTS**				
		Supply, installation, testing and commisiioning of following conduits laid under floor for telephone/ data cables , optical fiber cables, Sub main power cables & earth cables including all conduit accessories. The PVC conduits shall be laid under floor including chiseling and cutting of floor for required dimensions, laying of conduit, backfilling of remaining cavity with CC as specified for floor in that area, making good, complete in all respect. conduit made of solo, popular, easyfit or equivalent as approved by engineer incharge.				
i)		**PVC Conduit**				
a	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. iii) 25 mm i/d	Rmtr	75	467.80	35,085
b	ch/24/3 (vi)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 50mm	Rmtr	50	794.2	39,710
3		**OUTGOING (Breakers)**				
		Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	ch24-85/(a-ii)	a) Single Pole (ii) 6-40 Amp (6 KA)	Each	12	1,132.80	13,594
	ch24-85/(c-ii)	a) Triple Pole (ii) 6-40 Amp (6 KA)	Each	2	5,985.45	11,971
4		**MISCELLANEOUS FITTINGS**				
		Providing and fixing Pakistan Energy Label NEECA approved Copperwinded Ceiling Fan i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.				

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
	ch24-103/(ii)	(a) Bracket Fan (i) 18" sweep dia	Each	3	6,861.15	20,583
	ch24-102/(a-ii)	(a) Plastic body exaust fan (ii) 12" dia	Each	3	5,685.50	17,057
5		**WIRING ACCESSORIES**				
		P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand / ABB / Schenider or approved equvilent manufacturer, screws complete as approved and directed by the Engineer Incharge				
		(a) One way Gange Switch				
	ch24-105 (a-ii)	Small (ii) 02 Gange	No.	2	704.40	1,409
	ch24-105 (a-iii)	Small (ii) 03 Gange	No.	2	888.00	1,776
	ch24-105 (a-iv)	(iv) Three pin Light Plug 10/13 Amp	No.	20	754.45	15,089
	ch24-105 (b-i)	Large (i) 04 Gange	No.	3	981.25	2,944
	ch24-105 (b-iii)	Large (iii) 06 Gange	No.	3	1,405.85	4,218
	ch24-105 (a-viii)	(viii) Three Pin Power Plug 15-32 Amp	No.	8	924.55	7,396
	ch24-108 (c-i)	Two way Gange Switch (Small) (i) 01 Gange Two way	No.	1	499.90	500
		P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge				
	ch24-107 (i)	(i) Small	No.	33	192.50	6,353
	ch24-107 (ii)	(ii) Large	No.	6	221.45	1,329
6		**Air Conditioning**				
		Providing, shifting, fixing, testing, commissioning, adjusting and balancing of standard (Cool only) DC inverter technology air condiotioning units, including indoor evaporating and out door condensing unit, the indoor units wall mounted of capacities as specified below, complete with factory charged refrigerant, piping insulation including condensate copper piping connection, between indoor/outdoor units conduiting and any additional charge of refrigerant accessories, and Drain piping upto nearest drain water line included in these rates making the job complete in all respect. AC should be of Haier,dawlance, gree or equivalent, copper piping should be of muller, trox and insulation of Durkflex or equivalent, Drain pipe should be 3/4" dia pvc pipeof master, turkplast or equivalent as approved by engineer incharge				
		1/4 and 1/2 copper piping shouls be used till 1.5 ton AC and 5/8 and 3/8 piping should be used for 2 ton AC and 3/8 and 1/2 for 4 ton AC between indoor and outdoor unit.				
		The AC Unit should maintain approx 11 BTU per cubic feet plus addition of 3000BTU in the total amount for persons and devices				
		Air Conditioner				
		1.5 Ton	Each	2	275,500	551,000
7		**AC Copper Piping**				
		Supply & installation closed cell type Aluminium foil faced XLPE (Cross linked polyethelene) polyolefin pipe insulation tube of density 25 Kg/m³ of specified thickness & thermal conductivity 0.035 w/m °C and fire retardent of Class "o" rating as specified for refrigerant copper piping as approved by the Engineer Incharge. a) 20 mm thick				

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
	ch27-23(a-i)	(ii) 1/4" dia	MTR	35	738.65	25,853
	ch27-21(a-iii)	(iv) 1/2" dia	MTR	35	1,074.90	37,622
8		**Control Wire**				
	ch24-11(b-iii)	Supply and erection of copper conductor cables for serviceconnection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- b) PVC insulated, PVC sheathed 3 core, 600/1000 volt cable: iii) 7/0.74 mm (7/0.029")	MTR	20	462.80	9,256
9		**Drain Pipe**				
	ch23/33(a-i)	Providing,laying,testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN8077 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned). a)PN-16 pipe (i)(20 mm	MTR	20	209.15	4,183.00
		Total of MRS Items				**1,620,027**
		Add/ Deduct Premium Above/ Below +/- ____%				
1		**LIGHT FIXTURES and FITTINGS:**				
		Supply, installation, testing and commissioning of following light fittings, ceiling, recessed,wall mounted as per specified fixture. Complete with internal wiring, Grounding terminal , driver complete in all respects. Lights should be of ledvance, Phillips or equivalent approved by engineer incharge				
i)	NSI	36 Watt LED Panel Light Fixture surface/recessed mounted, IP-44 rated	No.	37		
ii)	NSI	18 Watt (White) LED Light Fixture surface/recessed mounted, IP-44 rated	No.	89		
iii)	NSI	12 Watt LED Light Fixture surface/recessed mounted, IP-44 rated	No.	7		
iv)	NSI	Supply and installation of a false ceiling fan (24"x24") (PakFan/GFC/Royal or equivalent brand):	Each	28		
v)	NSI	Reinstallation and Servicing of existing Air Conditioners	Each	2		
vi)	NSI	Reinstallation and Shifting of existing ceiling-mounted Air Conditioners	Each	2		
2		**Duct Panel**				
		Supply at site and installation of dura duct on wall where necessary on per instruction of engineer inchrage				
i)	NSI	16 x 16 mm	Rmtr	70		
ii)	NSI	16 x 25 mm	Rmtr	45		
		TOTAL OF NON-MRS ITEMS				
		GRAND TOTAL OF ELECTRICAL WORKS				

TRADING CORPORATION OF PAKISTAN PRIVATE LIMITED

RENOVATION OF TCP OFFICE SITUATED AT 2ND FLOOR OF LDA PLAZA, LAHORE

TCP OFFICE, LAHORE

TENDER DRAWINGS

JULY, 2025

DESIGN BY

NEW VISION ENGINEERING CONSULTANT

HEAD OFFICE:

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ISLAMABAD OFFICE:

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LIST OF DRAWINGS

S.NO.	DRAWING TITLE	DRG. NO
1	LIST OF DRAWING	LS-00
2	EXISTING PLAN	AR-01
3	SECOND FLOOR PLAN	AR-02
4	SECOND FLOOR MARKING PLAN	AR-03
5	SCHEDULE OF OPENING	AR-04
6	DOOR ELEVATIONS	AR-05
7	WINDOW ELEVATIONS	AR-06
8	FLOOR FINISHING DETAILS	AR-07

ADDITION & REVISION

ADD/REVISE	DATE	DESCRIPTION	DES BY	CHK BY	APP BY

NEW VISION ENGINEERING CONSULTANT

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PROJECT: TCP OFFICE LAHORE

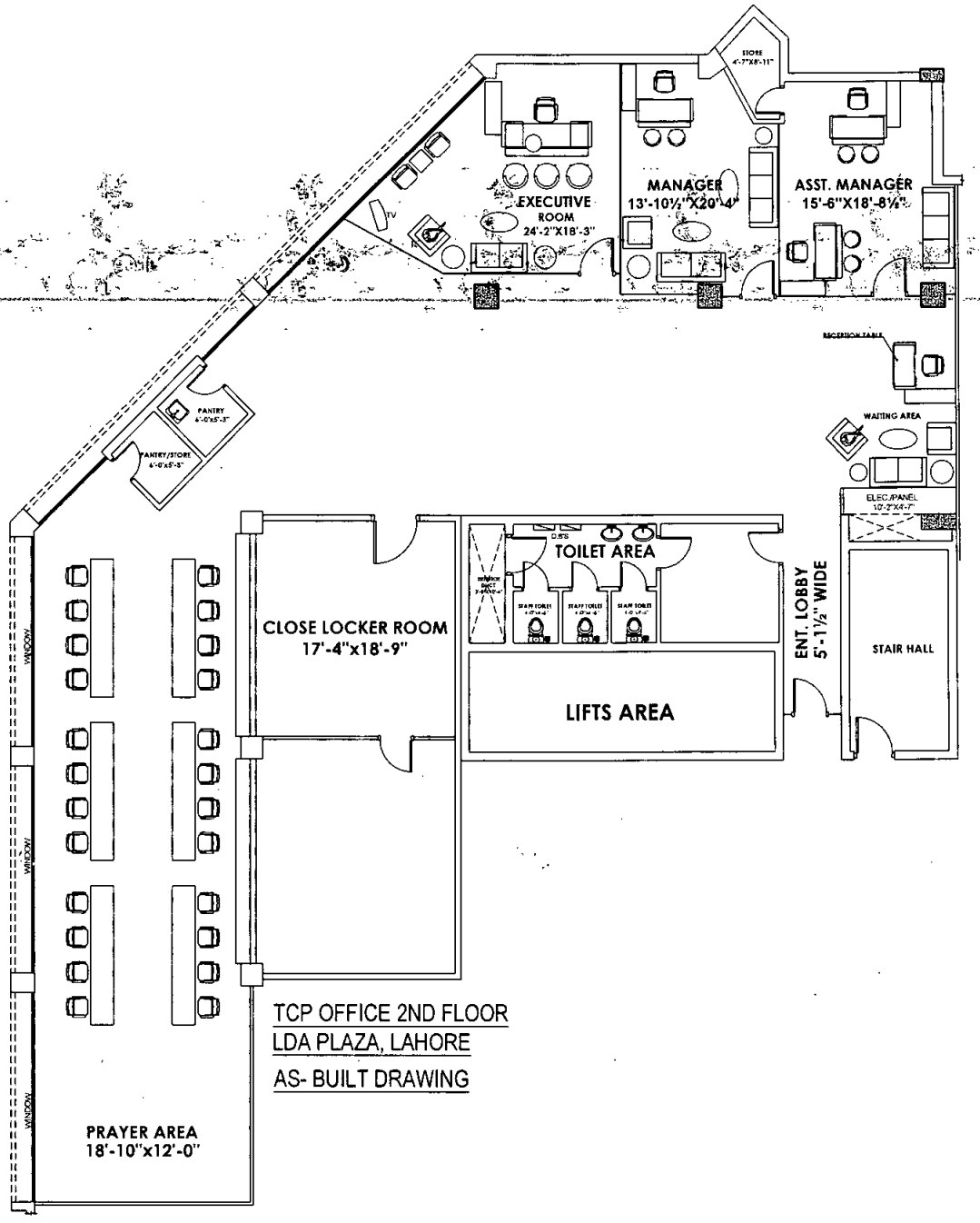
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CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY	APPROVED BY:	DATE:
ENG UMER GULZAR		
DRAWN BY: ASHURAM UMER	JOB NO:	SCALE:

DRG NO: LS-00

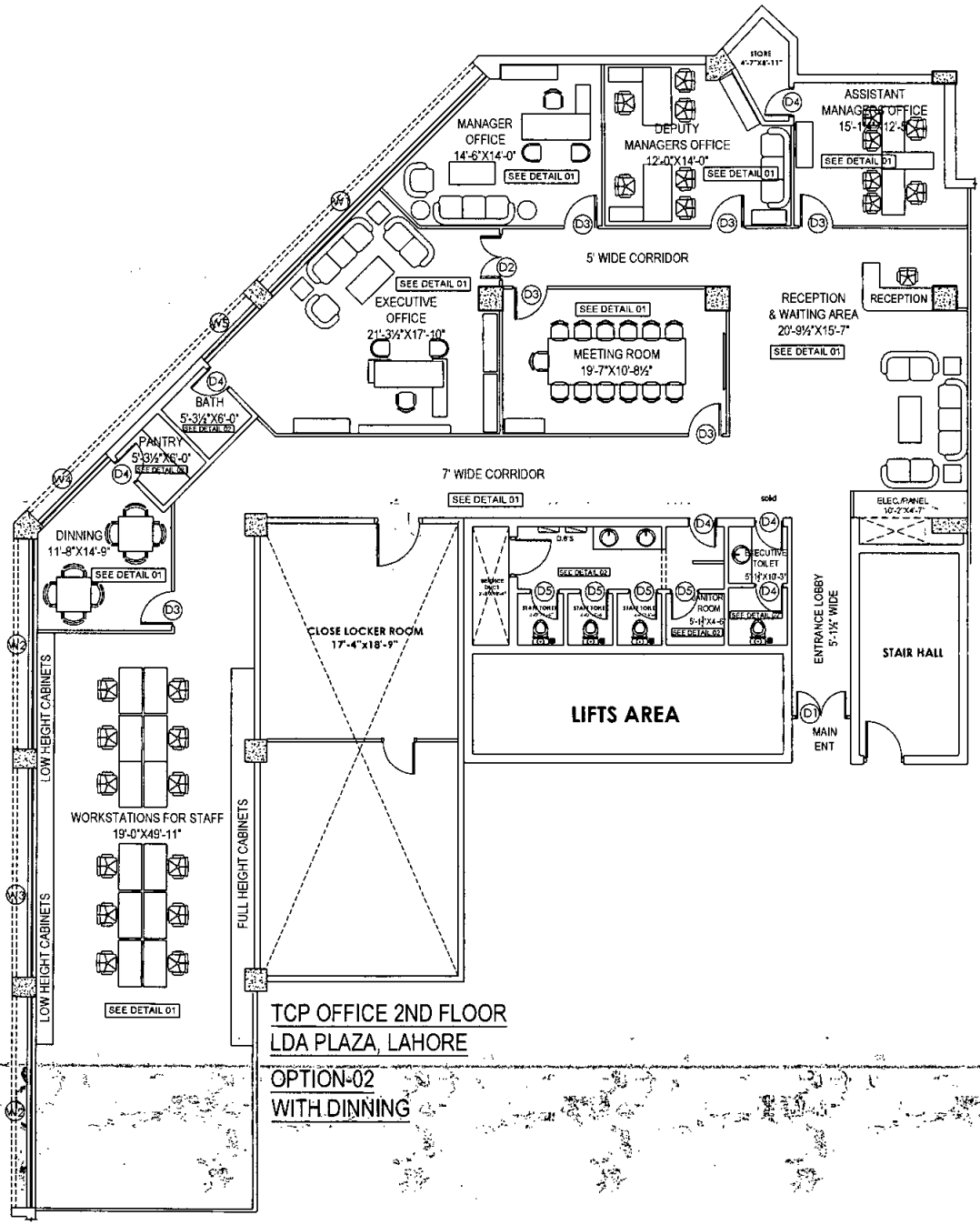


TCP OFFICE 2ND FLOOR
LDA PLAZA, LAHORE
AS- BUILT DRAWING

ADDITION & REVISION					
ADV.REV.NO	DATE	DESCRIPTION	DES. BY	DRG. BY	APP. BY

NEW VISION ENGINEERING CONSULTANT
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PROJECT	TCP OFFICE LAHORE
TITLE	EXISTING PLAN
CAD FILENAME	
CLIENT:	TRADING CORPORATION OF PAKISTAN (PVT.) LIM
DESIGNED BY: ENG UMER GULZAR	APPROVED BY:
DRAWN BY: KHURAM UMER	JOB NO
DRG. NO	AR-01
DATE:	
SCALE:	

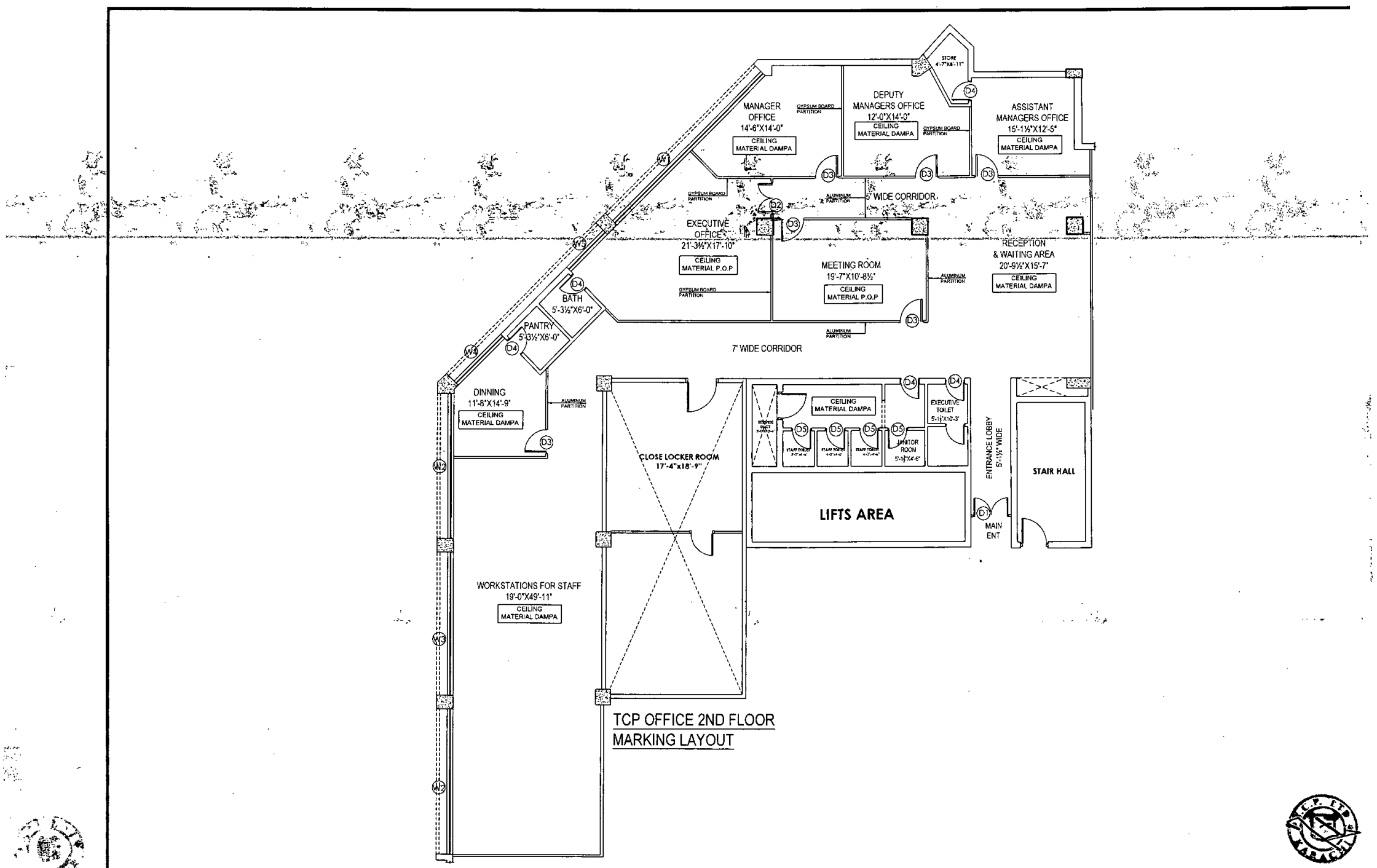


TCP OFFICE 2ND FLOOR
LDA PLAZA, LAHORE
OPTION-02
WITH DINNING

ADDITION & REVISION						
ADD/REV NO	DATE	DESCRIPTION	DRS BY	CHC BY	APP BY	

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PROJECT:	TCP OFFICE LAHORE
TITLE	SECOND FLOOR PLAN
CAD FILENAME	
CLIENT:	TRADING CORPORATION OF PAKISTAN (PVT.) LIM
DESIGNED BY: ENG UMER GULZAR	APPROVED BY:
DRAWN BY: KHURAM UMER	JOB NO
DRG NO	AR-02
DATE:	
SCALE	



TCP OFFICE 2ND FLOOR MARKING LAYOUT

ADDITION & REVISION					
ADD/REV NO	DATE	DESCRIPTION	DES. BY	DOC. BY	APP. BY

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PROJECT.	TCP OFFICE LAHORE
TITLE.	SECOND FLOOR MARKING PLAN
CAD FILENAME	
CLIENT.	TRADING CORPORATION OF PAKISTAN (PVT.) LIM
DESIGNED BY: ENGINEER GULZAR	APPROVED BY:
DRAWN BY: KHURAM UMER	JOB NO:
DRG. NO.	AR-03
DATE:	
SCALE.	

SCHEDULE OF OPENINGS

DOOR SCHEDULE

S.NO.	OPENINGS	DIMENSIONS	SILL LEVEL	DESCRIPTION
1	D1	4'-6"x7'-0"	0'-0"	ALUMINUM GLASS DOOR
2	D2	4'-0"X7'-0"	0'-0"	ALUMINUM GLASS DOOR
3	D3	3'-0"X7'-0"	0'-0"	ALUMINUM GLASS DOOR
4	D4	2'-6"X7'-0"	0'-0"	SOLID FLUSH DOOR
5	D5	2'-6"X7'-0"	0'-0"	UPVC DOOR

WINDOW SCHEDULE

9	W1	26'-10"x3'-6"	+3'-0"	ALUMINUM WINDOW
10	W2	18'-4"x3'-6"	+3'-0"	ALUMINUM WINDOW
11	W3	18'-0"X3'-6"	+3'-0"	ALUMINUM WINDOW
12	W4	8'-3"X3'-6"	+3'-0"	ALUMINUM WINDOW
13	W5	6'-6"X3'-6"	+3'-0"	ALUMINUM WINDOW

ADDITION & REVISION

REV NO	DATE	DESCRIPTION	DES BY	DRC BY	APP. BY

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PROJECT: TCP OFFICE LAHORE

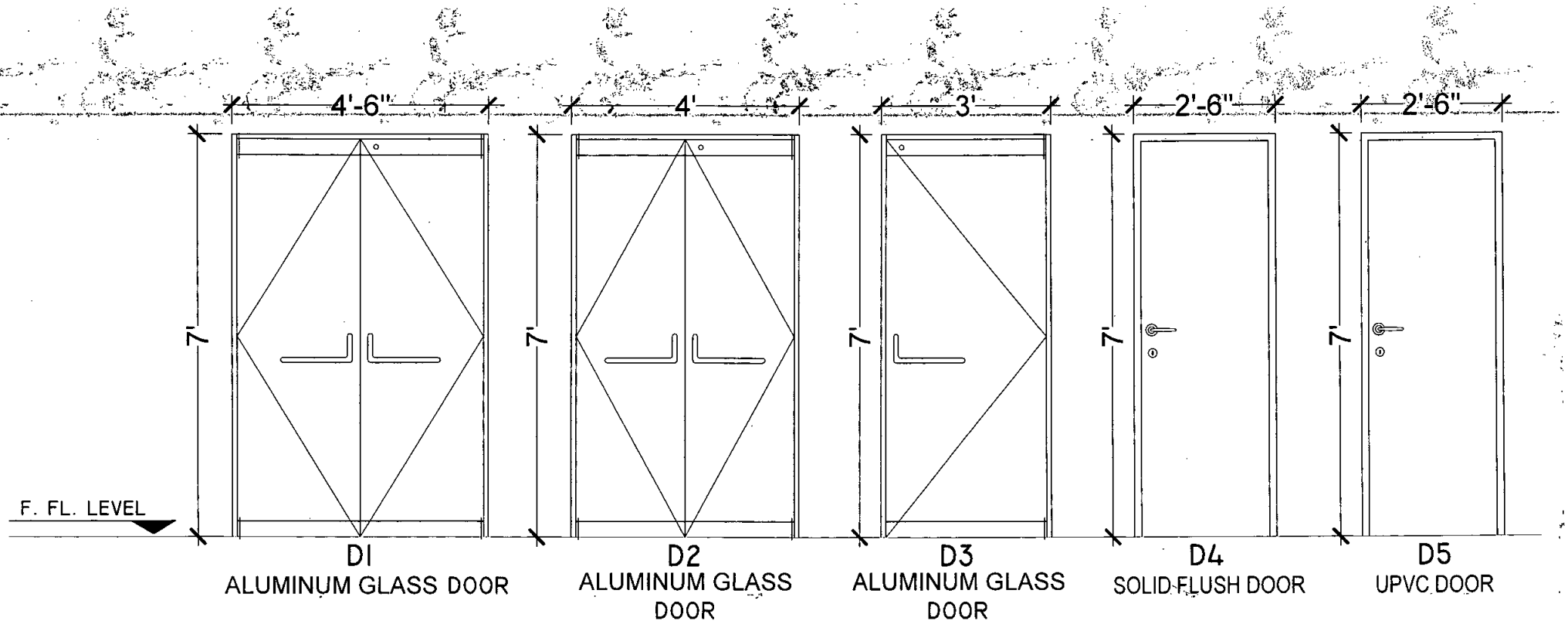
CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

TITLE: SCHEDULE OF OPENING

CAD FILENAME

DESIGNED BY	APPROVED BY:	DATE:
ENG UMER GULZAR		
DRAWN BY: KHURAM UMER	JOB NO	SCALE

DRG NO: AR-04



ADDITION & REVISION					
ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY

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PROJECT: TCP OFFICE LAHORE

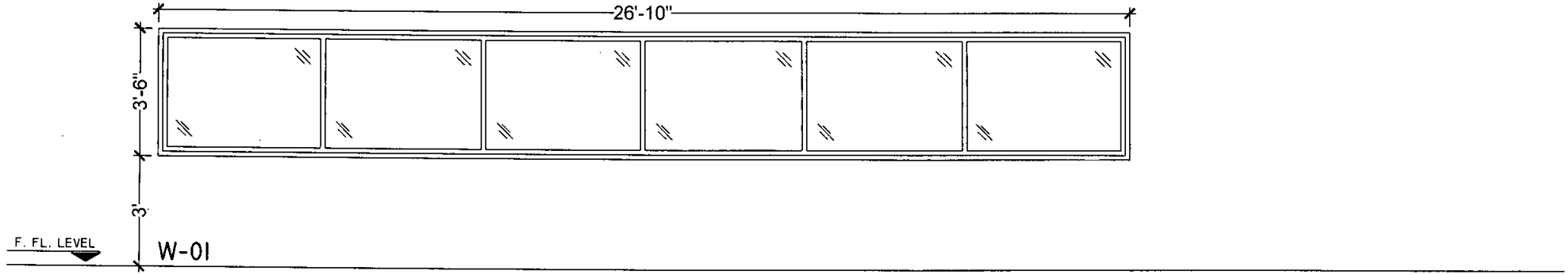
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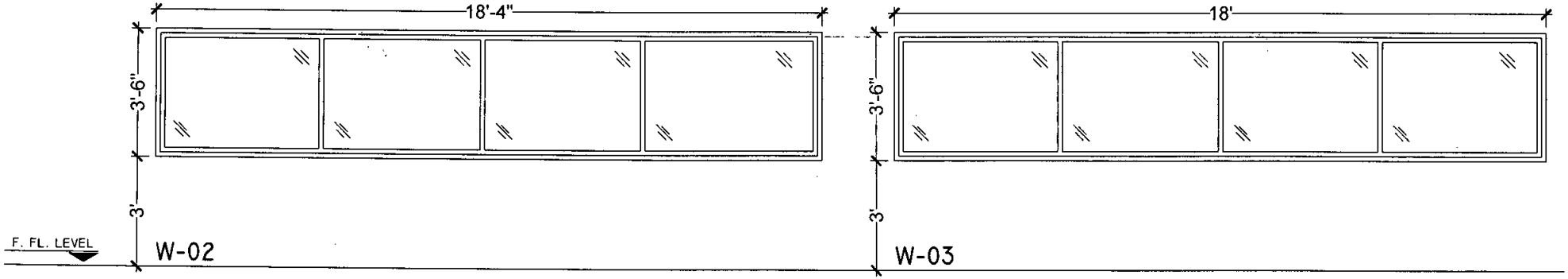
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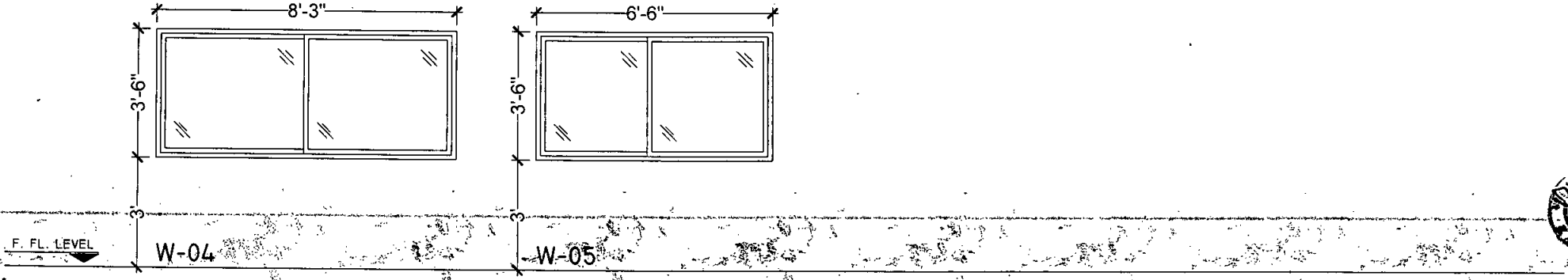
CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY	APPROVED BY:	DATE:
ENG UMER GULZAR		
DRAWN BY: KHURAM UMER	JOB NO.	SCALE

DRG. NO: AR-05







ADDITION & REVISION					
REVISION NO	DATE	DESCRIPTION	DES BY	CHK BY	APP BY

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PROJECT: TCP OFFICE LAHORE

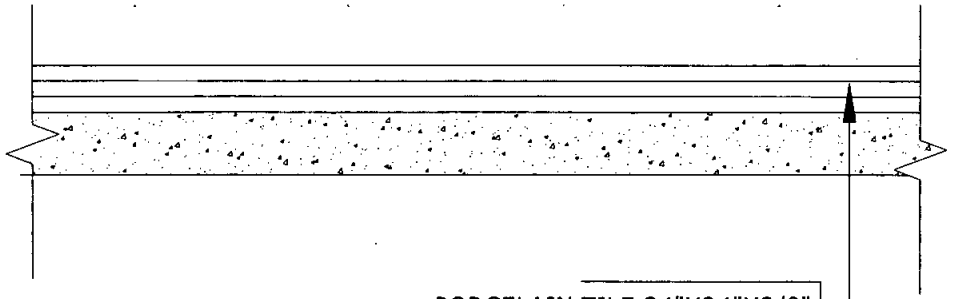
TITLE: WINDOW ELEVATIONS

CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

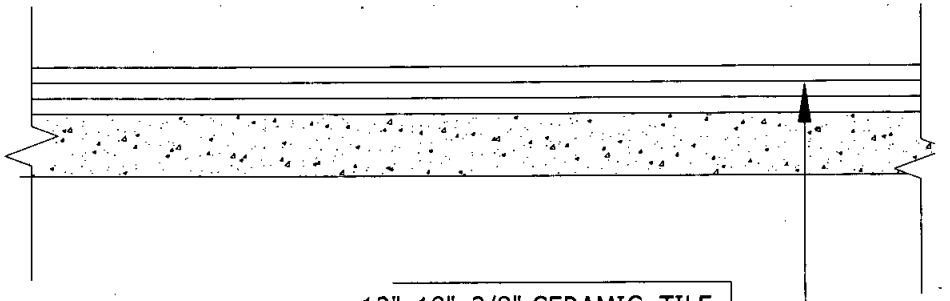
DESIGNED BY: ENGINEER GULZAR	APPROVED BY:	DATE:
DRAWN BY: KHURAM UMER	JOB NO:	SCALE:

DRG NO: AR-06



DETAIL - 1
FLOOR+ROOMS

PORCELAIN TILE 24"X24"X3/8"
2" P.C.C 1:2:4
R.C.C SLAB



DETAIL - 2
BATH

12"x18"x3/8" CERAMIC TILE
¾" CEMENT SAND MORTER
2" P.C.C 1:2:4
R.C.C SLAB

ADDITION & REVISION					
REV/REV NO	DATE	DESCRIPTION	DES BY	CHK BY	APP BY

NEW VISION ENGINEERING CONSULTANT
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Email. newvisionec@yahoo.com

PROJECT: TCP OFFICE LAHORE

TITLE: FINISH FLOOR DETAILS

CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY: ENG UMER GULZAR	APPROVED BY:	DATE:
DRAWN BY: KHURAM UMER	JOB NO	SCALE:

DRG. NO: AR-07

ELECTRICAL DRAWING

GENERAL NOTES

ELECTRICAL SYSTEMS

1. FOLLOWING NOTES SHALL IN GENERAL APPLY TO ALL ELECTRICAL DRAWINGS. THE INSTRUCTIONS IN THESE NOTES SHALL BE FOLLOWED UNLESS STATED OTHERWISE.
2. THESE NOTES SHALL BE APPLICABLE TO THE ENTIRE ELECTRICAL WORKS. IF THE SITE CONDITIONS NECESSITATE ANY ALTERATIONS OR DEVIATIONS THE DIRECTIONS OF THE ENGINEER SHALL BE OBSERVED AS FINAL INSTRUCTIONS.
3. ALL ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH BOQ, TECHNICAL SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, PLUMBING AND HVAC DRAWINGS & ALL OTHER RELEVANT DETAILS.
4. DIMENSIONS/MEASUREMENTS GIVEN IN LAYOUT AND DETAILED DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATE THE ACTUAL DIMENSIONS/ MEASUREMENTS ACCORDING TO STRUCTURAL AND ARCHITECTURAL DRAWINGS.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH ALL RELEVANT DETAILS TO THE ENGINEER FOR APPROVAL ACCORDING TO THE GENERAL CONDITIONS OF CONTRACT WELL IN TIME BEFORE COMMENCEMENT OF THAT WORK.
6. PROPER CO-ORDINATION OF ELECTRICAL WORKS WITH OTHER SERVICES SHALL BE CARRIED OUT AT SITE.
7. ALL NON - CURRENT CARRYING PARTS i.e. OUTER CASINGS OF EQUIPMENT SUCH AS HT & LT PANELS, DISTRIBUTIONS BOARDS, CABLE TRAYS, AUXILIARY CONSTRUCTIONS FOR EQUIPMENT ETC. SHALL BE CONNECTED TO THE GROUNDING/ EARTHING SYSTEM AT REQUIRED NUMBER OF POINTS WITH SPECIFIED SIZES OF CONDUCTORS. WATER PIPES ALONG ELECTRICAL LINE SHALL BE BONDED TO THE EARTHING SYSTEM WITH 10 sq.mm. SINGLE CORE, COPPER CONDUCTOR PVC CABLE.
8. ELECTRICAL POINTS FOR EQUIPMENT SHALL BE INSTALLED IN CO-ORDINATION WITH THE RELEVANT DRAWINGS OF OTHER SERVICES, SUCH AS COMMUNICATION SYSTSMS, HVAC, PLUMBING ETC. THE LOCATION ON ELECTRICAL DRAWINGS IS ONLY INDICATIVE.
9. ARRANGEMENT OF ELECTRICAL EQUIPMENTS ON ELECTRICAL DRAWINGS ARE TENTATIVE. EXACT ARRANGEMENT OF EQUIPMENTS SHALL BE MADE IN VIEW OF ITS PHYSICAL DIMENSIONS AND EASE OF MAINTENANCE. AND AS PER SITE REQUIREMENTS.
10. LOADS ON ALL PHASES SHALL BE BALANCED AT THE TESTING/ COMMISSIONING STAGE.
11. CONDUIT/DUCT RUN UNDER FLOOR SHALL HAVE A MINIMUM COVER OF TWO INCHES FROM TOP OF CONDUIT/DUCT TO FINISH FLOOR LEVEL.
12. RUN GREEN-YELLOW OR GREEN SINGLE CORE PVC INSULATED COPPER CONDUCTOR CABLE OF SPECIFIED SIZES AS PROTECTIVE EARTH CONDUCTOR (ECC) ALL ALONG LIGHT AND POWER WIRING. WHEREVER THE SIZE IS NOT SPECIFIED THE FOLLOWING CRITERIA SHALL BE OBSERVED TO DETERMINE MINIMUM CROSS SECTIONAL AREA OF EARTH CONTINUITY CONDUCTOR (ECC) IN RELATION TO THE AREA OF ITS PHASE CONDUCTORS. RUN SEPARATE ECC FOR EACH CIRCUIT.
   - ECC & PHASE CONDUCTOR OF SAME SIZE FOR UPTO AND INCLUDING 16 SQMM CABLES
   - 16 SQMM ECC FOR PHASE CONDUCTOR OF 16 SQMM, 25SQMM & 35 SQMM CABLES
   - FOR CABLES OF 50 SQMM AND ABOVE SIZES, ECC IS HALF SIZE OF PHASE CONDUCTOR.
   - MAXIMUM SIZE OF ECC IS 70 SQMM.

ELECTRICAL SYSTEMS

13. THE MAXIMUM CAPACITY OF PVC CONDUITS FOR SIMULTANEOUS DRAWING OF PVC INSULATED CABLES SHALL BE DETERMINED AS PER BS 4607. THE FOLLOWING TABLE SHALL BE USED TO DETERMINE THE MAXIMUM NUMBER OF CABLES.

S.#	NOMINAL CONDUCTOR SIZE(SQMM)	NO. & DIA OF WIRES	NOMINAL OVERALL DIA	20 MM DIA (3/4" DIA)	25 MM DIA (1" DIA)	32 MM DIA (1¼" DIA)
1	1.5	1/1.38	3.1	10	18	30
2	2.5	1/1.78	3.8	8	14	23
3	2.5	7/0.67	4.5	7	12	20
4	4	7/0.85	4.8	5	9	15
5	6	7/1.04	5.9	-	7	12
6	10	7/1.35	6.2	2	4	7
7	16	7/1.70	7.3	-	3	5
8	25	7/2.14	9.0	-	2	3
9	35	19/1.53	10.3	-	-	2

14. NORMAL & EMERGENCY CIRCUITS SHALL RUN IN SEPARATE CONDUITS.
15. ALL WIRING FOR CONTROLS SHALL BE CARRIED OUT WITH 1 CORE PVC CABLES OF SPECIFIED VOLTAGE GRADE AND SIZES.
16. THE WIRING SHALL BE CONTINUOUS LOOPING-IN TYPE AND NO JOINT IN WIRES SHALL BE ALLOWED.
17. THE WIRING SYSTEM SHALL BE CARRIED OUT ONLY AFTER THE CONDUIT SYSTEM IS COMPLETELY INSTALLED AND ALL OUTLET BOXES, ETC. ARE FIXED IN POSITION.
18. MOUNTING HEIGHTS OF ELECTRICAL FITTINGS WHEN MEASURED FROM FINISHED FLOOR LEVEL (F.F.L.) TO THE BOTTOM OF FITTINGS SHALL BE AS UNDER, UNLESS OTHERWISE SHOWN OR INSTRUCTED.

MAIN SWITCH BOARD	48 INCHES
DISTRIBUTION BOARD	48 INCHES
CONTROL PANEL	48 INCHES
ON/OFF PUSH BUTTON STATION	48 INCHES
DIMMER CONTROL UNIT	48 INCHES
LIGHT CONTROL SWITCHE WAY/TWO WAY)	48 INCHES
5A SOCKET OUTLETS IN GENERAL AREAS	10 INCHES
15A SOCKET OUTLETS IN GENERAL AREAS	10 INCHES
20A SOCKET OUTLETS IN GENERAL AREAS	10 INCHES
15A SOCKET OUTLETS IN KITCHEN (ABOVE COUNTER)	10 INCHES
15A SOCKET OUTLETS IN TOILETS	66 INCHES
16A TP 5PIN INDUSTRIAL SOCKET OUTLETS IN LABS.	48 INCHES
32A TP 5PIN INDUTRIAL SOCKET OUTLETS IN LABS	48 INCHES
63A TP 5PIN INDUTRIAL SOCKET OUTLETS IN LABS.	48 INCHES
CEILING FAN	96 INCHES
WALL FAN	84 INCHES
EXHAUST FAN	REFER ARCH. DRGS.

COMMUNICATION SYSTEMS

1. FOLLOWING NOTES SHALL IN GENERAL APPLY TO ALL COMMUNICATION SYSTEMS DRAWINGS. THE INSTRUCTIONS IN THESE NOTES SHALL BE FOLLOWED UNLESS STATED OTHERWISE.
2. THESE NOTES SHALL BE APPLICABLE TO THE ENTIRE COMMUNICATION SYSTEMS WORKS. IF THE SITE CONDITIONS NECESSITATE ANY ALTERATIONS OR DEVIATIONS THE DIRECTIONS OF THE ENGINEER SHALL BE OBSERVED AS FINAL INSTRUCTIONS.
3. ALL COMMUNICATION SYSTEMS DRAWINGS SHALL BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATIONS, ITEMS OF B.O.Q. ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING DRAWINGS AND ALL OTHER RELEVANT DETAILS.
4. DIMENSIONS/MEASUREMENTS GIVEN IN LAYOUT AND DETAILED DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATE THE ACTUAL DIMENSIONS/MEASUREMENTS ACCORDING TO STRUCTURAL AND ARCHITECTURAL DRAWINGS.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH ALL RELEVANT DETAILS TO THE ENGINEER FOR APPROVAL ACCORDING TO THE GENERAL CONDITIONS OF CONTRACT WELL IN TIME BEFORE COMMENCEMENT OF THAT WORK.
6. PROPER CO-ORDINATION OF COMMUNICATION SYSTEMS WORKS WITH OTHER SERVICES SHALL BE CARRIED OUT AT SITE.
7. TELEPHONE SYSTEM SHALL BE COMPLETE WITH INSTRUMENTS, EQUIPMENT AND INTERCONNECTING WIRING, TELEPHONE EXCHANGE, TELEPHONE OUTLETS, JUNCTION BOXES, CONDUITS OF SPECIFIED SIZES IN THE BUILDING, AND UNDERGROUND PIPES OF SPECIFIED SIZES SHOWN ON DRAWINGS SHALL BE PROVIDED. WHERE SIZE OF CONDUIT/PIPE IS NOT SPECIFIED SUITABLE SIZE SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER.
8. POINTS FOR COMMUNICATION SYSTEMS EQUIPMENT SHALL BE INSTALLED IN CO-ORDINATION WITH THE RELEVANT DRAWINGS OF OTHER SERVICES, SUCH AS ELECTRICAL, HVAC, PLUMBING ETC. THE LOCATION ON COMMUNICATION SYSTEMS DRAWINGS IS ONLY INDICATIVE.
9. ARRANGEMENT OF COMMUNICATION SYSTEMS EQUIPMENTS ON DRAWINGS ARE TENTATIVE EXACT ARRANGEMENT OF EQUIPMENTS SHALL BE MADE IN VIEW OF ITS PHYSICAL DIMENSIONS AND EASE OF MAINTENANCE.
10. CONDUIT/DUCT RUN UNDER FLOOR SHALL HAVE A MINIMUM COVER 2 INCHES FROM TOP OF CONDUIT/DUCT TO FINISH FLOOR LEVEL.
11. RUN GREEN-YELLOW OR GREEN SINGLE CORE PVC INSULATED COPPER CONDUCTOR CABLE OF SPECIFIED SIZES AS PROTECTIVE EARTH CONDUCTOR (ECC) ALL ALONG COMMUNICATION SYSTEMS WIRING.
12. ALL WIRING FOR CONTROLS SHALL BE CARRIED OUT WITH 1 CORE PVC CABLES OF SPECIFIED VOLTAGE GRADE AND SIZES.
13. THE WIRING SHALL BE CONTINUOUS LOOPING-IN TYPE AND NO JOINT IN WIRES SHALL BE ALLOWED.
14. THE WIRING SYSTEM SHALL BE CARRIED OUT ONLY AFTER THE CONDUIT SYSTEM IS COMPLETELY INSTALLED AND ALL OUTLET BOXES, ETC. ARE FIXED IN POSITION.
15. MOUNTING HEIGHTS OF ELECTRICAL FITTINGS WHEN MEASURED FROM FINISHED FLOOR LEVEL (F.F.L.) TO THE BOTTOM OF FITTINGS SHALL BE AS UNDER, UNLESS OTHERWISE SHOWN OR INSTRUCTED.

TELEPHONE JUNCTION BOX	10 INCHES
TELEPHONE OUTLET	10 INCHES
INTERCOM CONTROL PACK	10 INCHES
INTERCOM STATION (WALL MOUNTED)	36 INCHES
FA SYSTEM CONTROL PANEL	36 INCHES
FA SYSTEM JUNCTION BOX	10 INCHES
MANUAL CALL STATION	42 INCHES
AUDIO ALARM	100 INCHES

ADDITION & REVISION					
ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY

NEW VISION ENGINEERING CONSULTANT
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Email: newvisionec@yahoo.com

PROJECT: TCP OFFICE LAHORE

TITLE: GENERAL NOTES

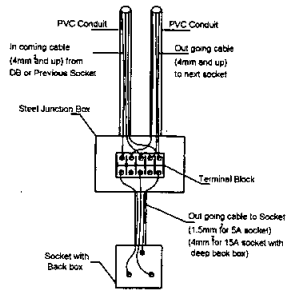
CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY	APPROVED BY:	DATE:
ENG UMER GULZAR		
DRAWN BY: SOHAIL AHMAD	JOB NO	SCALE:
DRG. NO.		

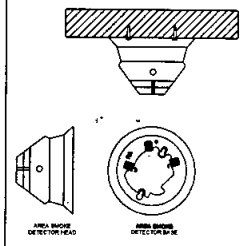
DETAIL : A-2(a)

FIRE ALARM AND PUBLIC ADDRESS SYSTEM COMPONENT CONNECTION DETAIL.

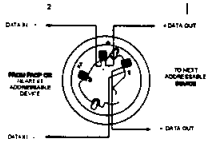


DETAIL : G

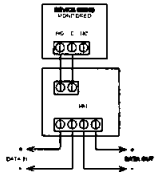
(INSTALL SOCKET WITH JUNCTION BOX)
N.T.S



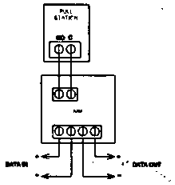
AREA SMOKE DETECTOR INSTALLATION DETAIL



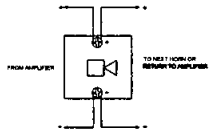
AREA SMOKE DETECTOR WIRING DETAIL



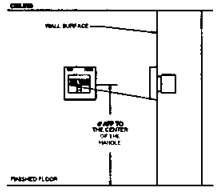
MONITOR MODULE WIRING DETAIL



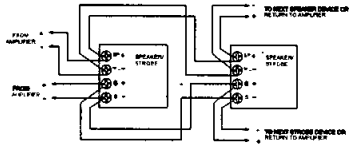
PULL STATION WIRING DETAIL



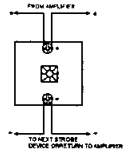
SPEAKER WIRING DETAIL



MANUAL PULL STATION INSTALLATION DETAIL

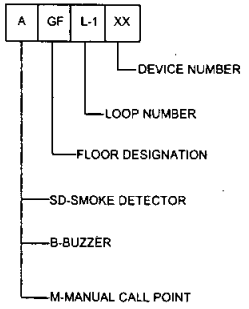


SPEAKER/STROBE WIRING DETAIL



STROBE WIRING DETA

DETAIL : H



NOTES:

Location of FACP & Integration with existing Fire Alarm System if existed to be decided as per site requirements & as per approval of the Client's Representative.

ADDITION & REVISION					
ADD/REV NO	DATE	DESCRIPTION	DRS BY	CHC BY	APP BY

NEW VISION ENGINEERING CONSULTANT
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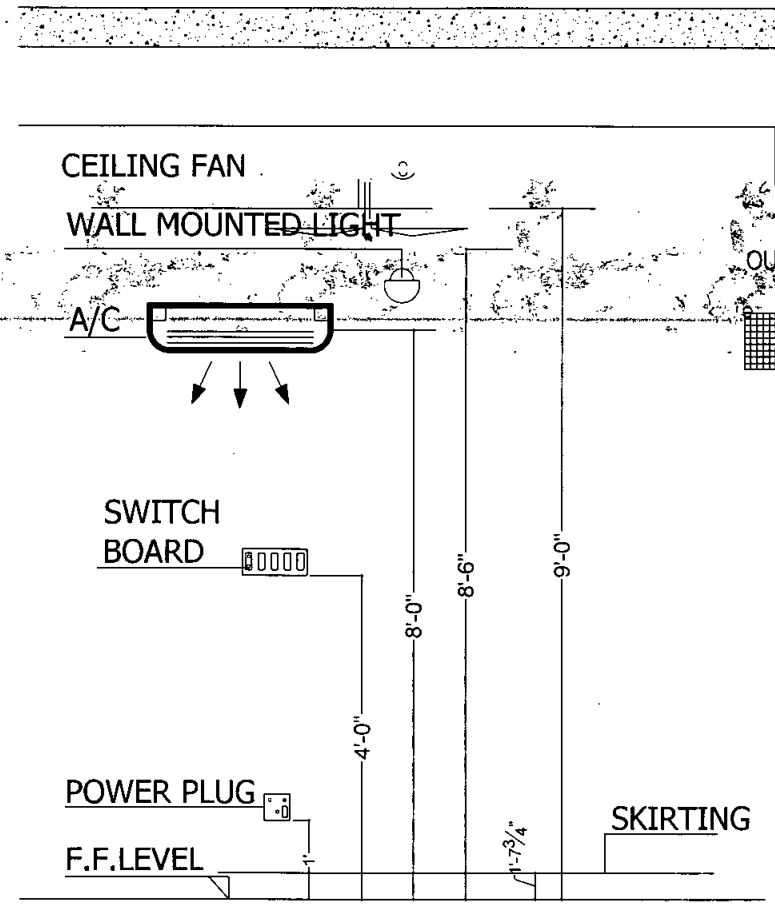
PROJECT: TCP OFFICE LAHORE

TITLE: FIRE ALARM TYPICAL DETAILS

CAD FILENAME

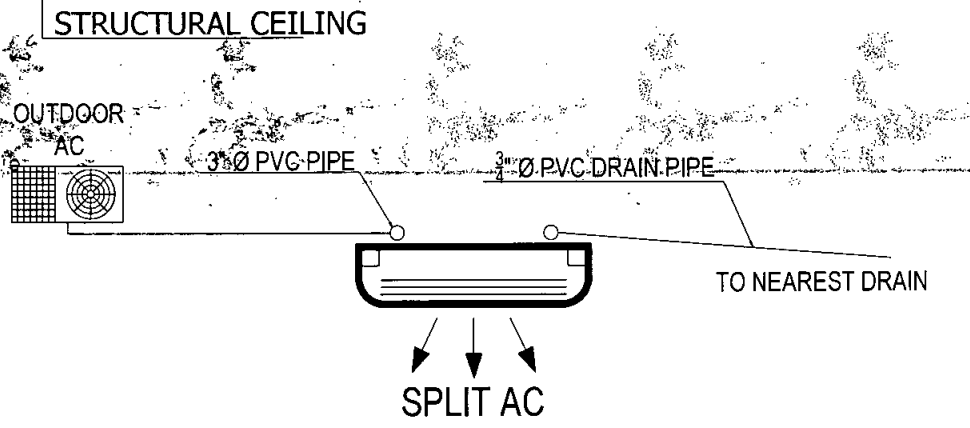
CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY: ENG UMER GULZAR	APPROVED BY:	DATE:
DRAWN BY: SOHAIL AHMAD	JOB NO	SCALE
DRG NO		



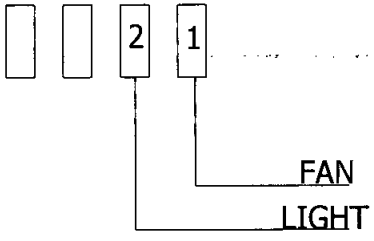
DETAIL–S1

MOUNTING HEIGHT OF FIXTURE DETAIL



DETAIL–Z1

TYPICAL AC INDOOR AND OUTDOOR UNIT DETAILS



NOTE:

LOCATION OF ACs INDOOR, OUTDOOR UNIT AND ACs POWER SOCKETS IN APARTMENTS AREA ARE TENTATIVE SUBJECT TO FINAL FININSHING DETAIL DECIDED BY CLIENT, ARCHITECT IN ~~CHARGE AND~~ CONCERENED SITE ENGINEER

ADDITION & REVISION					
ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY

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PROJECT: TCP OFFICE LAHORE		CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM
TITLE: MOUNTING HEIGHT FIXTURE DETAIL	DESIGNED BY: ENGINEER GHULAB	APPROVED BY:
CAD FILENAME	DRAWN BY: SOHAIL AHMAD	JOB NO
	DRG. NO	SCALE:
		DATE:

LIGHTING AND POWER

S.NO	SYMBOLS	DESCRIPTION
1		2' x 2' PANEL LED LIGHT
2		24 WATT LED LIGHT FIXTURE SURFACE/RECESSED MOUNTED, IP-44 RATED OR EQUIVALENT.
3		18 WATT LED LIGHT FIXTURE SURFACE/RECESSED MOUNTED, IP-44 RATED OR EQUIVALENT.
4		12 WATT LED LIGHT FIXTURE SURFACE/RECESSED MOUNTED, IP-44 RATED OR EQUIVALENT.
5		12 " DIA EXHAUST FAN WITH PLASTIC BODY,FAN BLADES AND LOUVERS
5		24" outer dia Wall Bracket fan,1450Rpm, Max 50db
6		48" OR 56" DIA CEILING FAN
7		INDICATES GANG TYPE SWITCH 10 AMPS, INDICATES NUMBER OF SWITCHES ON SWITCH PLATE
8		INDICATES 3 PIN COMBINED SWITCH SOCKET 10-13 AMPS, ON PLASTIC BACK BOX
9		COMPUTER SOCKET OUTLET RJ45
10		INDICATES ROUND PIN 15 AMPS SOCKET, ON PLASTIC BACK BOX
11		30 Watt Flood Light
12		DISTRIBUTION BOARD(DB-XXX) XXX-DENOTES NAME
13		A.C 40 TP AMPS SWITCH & Unit (4 Ton)
14		A.C 20 SP AMPS SWITCH & unit(2 Ton)
15		Data cabinet
16		NETWORK VIDEO RECORDER
17		CCTV CAMERA
18		08 Port PoE Switch

FIRE ALARM SYSTEM

S.NO	SYMBOLS	DESCRIPTION
1	FACP	FIRE ALARM CONTROL PANEL
2	SD	SMOKE DETECTOR NON IONISATION TYPE.
3		MANUAL STATION & ALARM SOUNDER

ADDITION & REVISION					
AUTH./REV.NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY

NEW VISION ENGINEERING CONSULTANT

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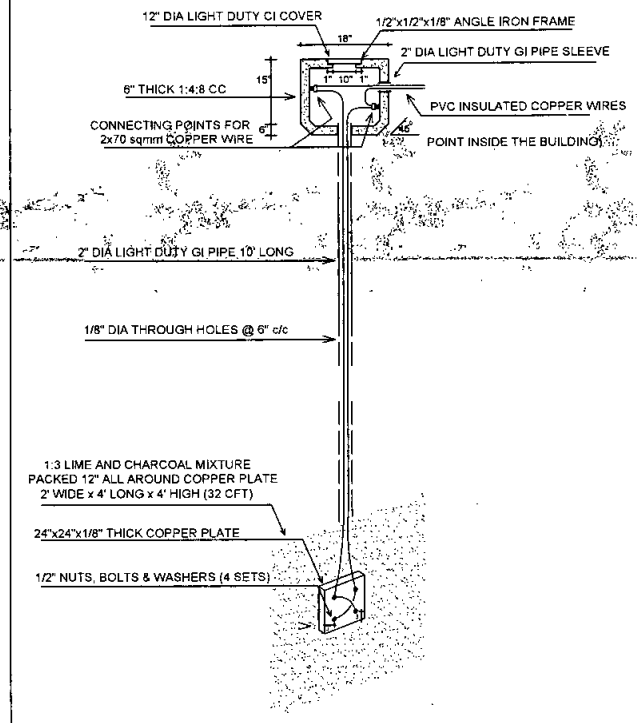
PROJECT: TCP OFFICE LAHORE

TITLE: SCHEDULE DETAILS

CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

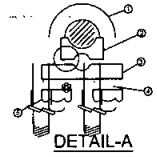
DESIGNED BY:	APPROVED BY:	DATE:
ENG.UMER GULZAR		
DRAWN BY: SOHAIL AHMAD	JOB NO.	SCALE:
DRG. NO:		



DETAIL-E-2

PLATE TYPE EARTH ELECTRODE

(FOR EARTHING OF ELECTRICAL POWER SYSTEM)



DETAIL-A

ITEM NO.	NAME	MATERIAL
1	U-BOLT	MILD STEEL
2	SPACER	CAST IRON
3	BASE	MILD STEEL
4	SPRING WASHER	CARBON STEEL
5	NUT	MILD STEEL

ALL MEASUREMENTS ARE IN MM

ADDITION & REVISION					
ADD./REV. NO	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY

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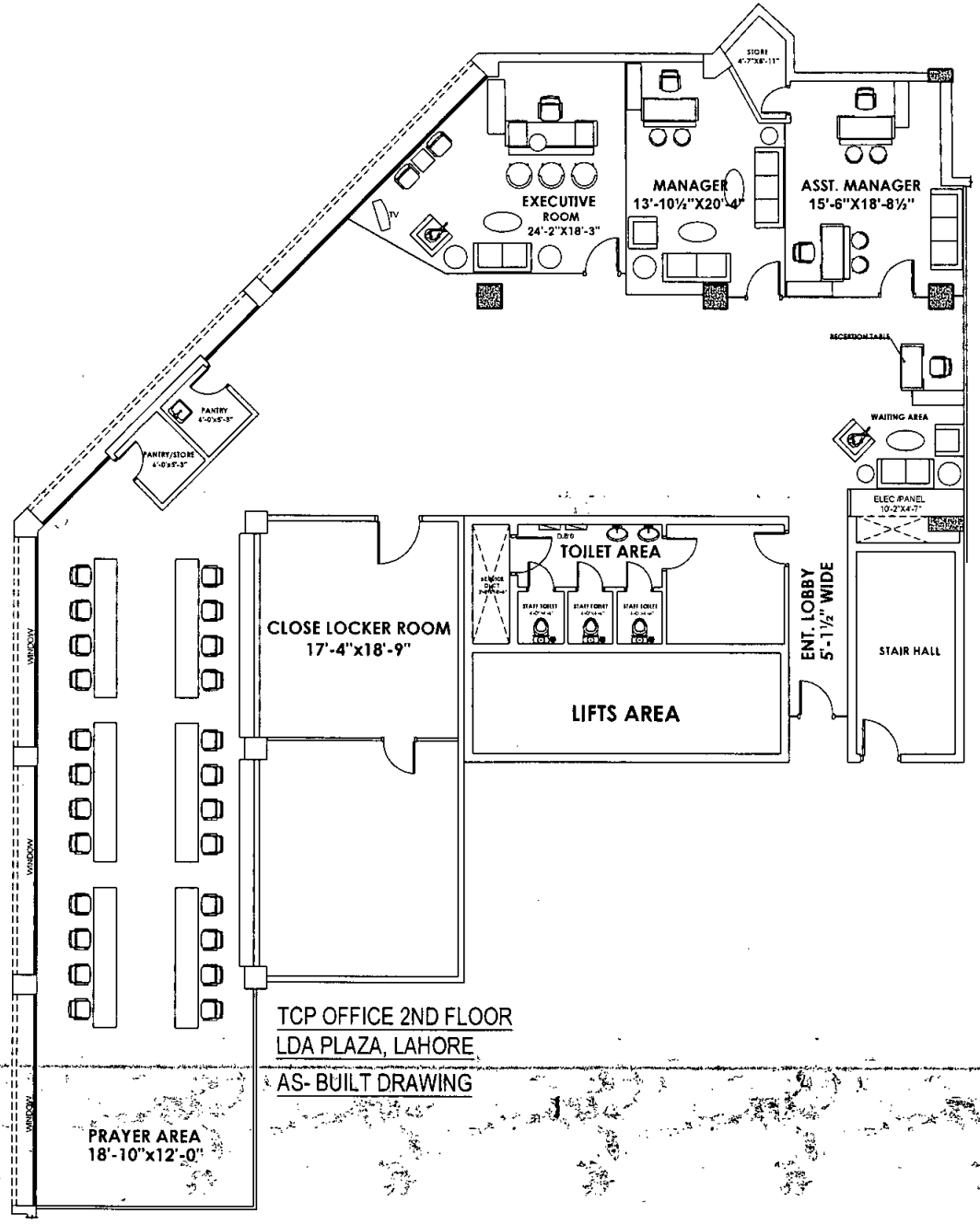
PROJECT: TCP OFFICE LAHORE

TITLE: EARTHING RODE DETAILS

CAD FILENAME

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY:	APPROVED BY:	DATE:
ENG UMER GULZAR		
DRAWN BY: SOHAIL AHMAD	JOB NO	SCALE
DRG NO		

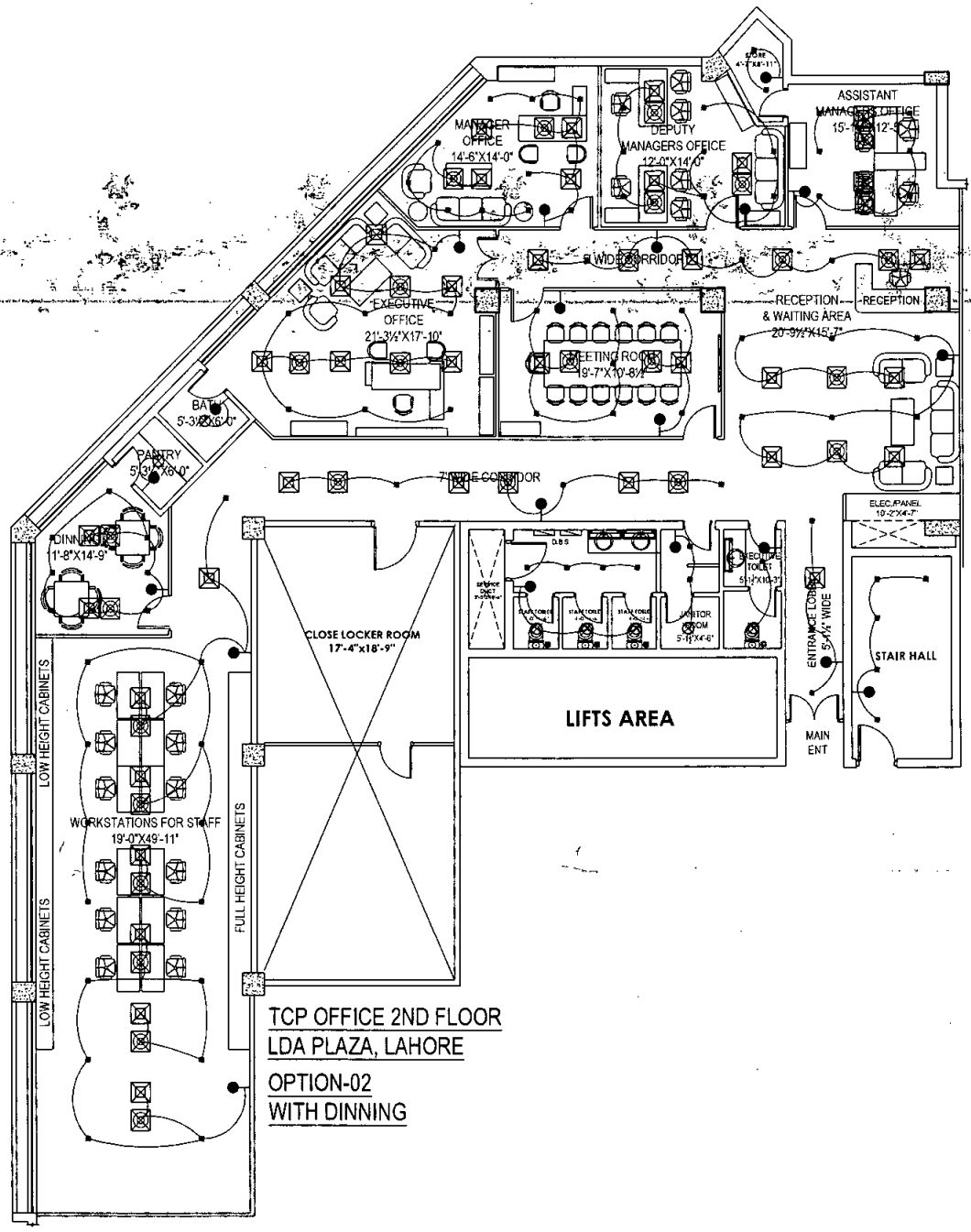


TCP OFFICE 2ND FLOOR
LDA PLAZA, LAHORE
AS- BUILT DRAWING

ADDITION & REVISION					
ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY

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PROJECT	TCP OFFICE LAHORE
TITLE	EXISTING LAYOUT PLAN
CAD FILENAME	
CLIENT	TRADING CORPORATION OF PAKISTAN (PVT.) LIM
DESIGNED BY: ENG UMER GULZAR	APPROVED BY:
DRAWN BY: SOHAIL AHMAD	JOB NO:
DRG. NO.	SCALE:



TCP OFFICE 2ND FLOOR
LDA PLAZA, LAHORE

OPTION-02
WITH DINNING

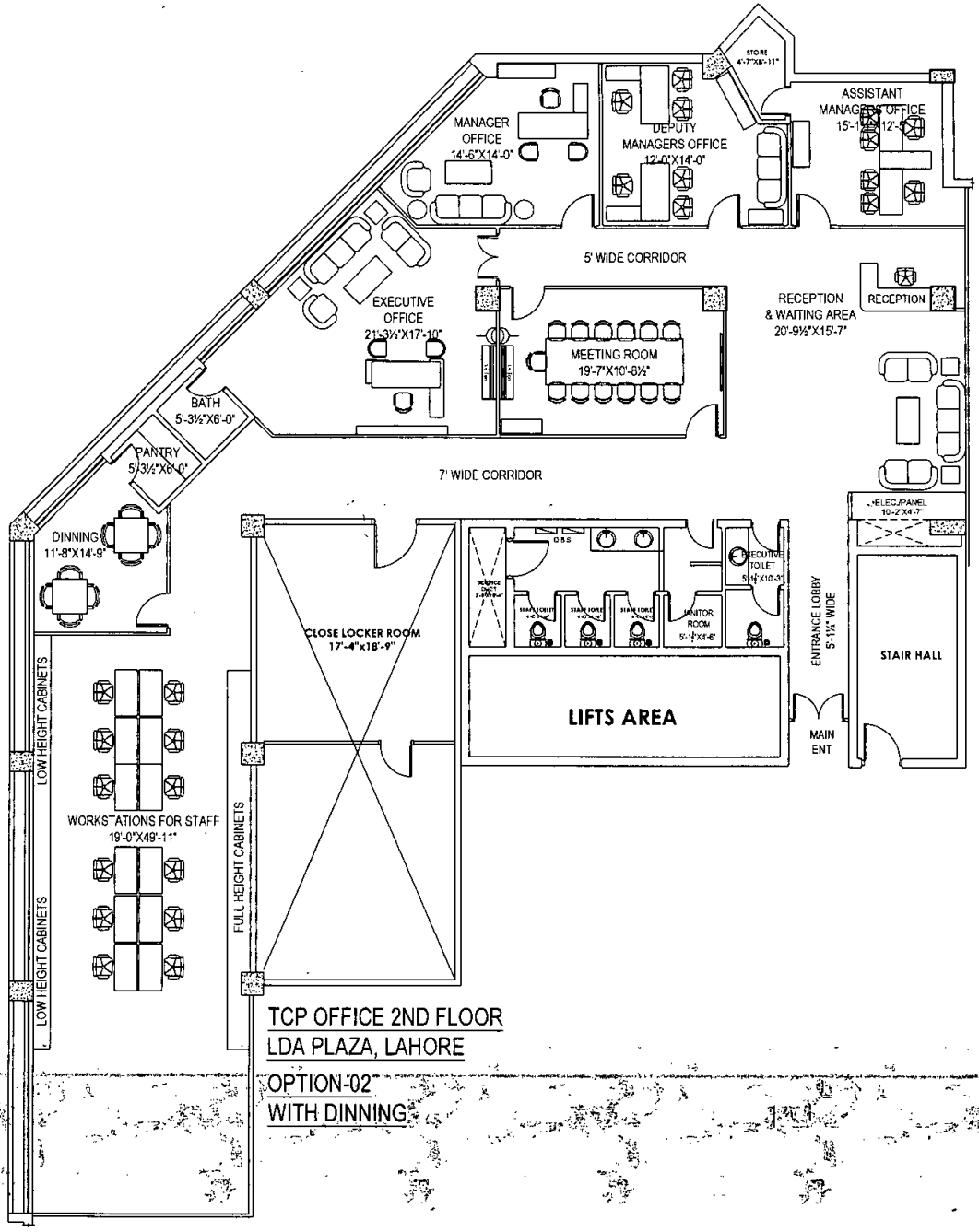
ADDITION & REVISION						
ADDITION/REV.	DATE	DESCRIPTION	DES. BY	DRG. BY	APP. BY	

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PROJECT: TCP OFFICE LAHORE		CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM	
TITLE: LIGHTING LAYOUT PLAN	DESIGNED BY: ENG UMER GULZAR	APPROVED BY:	DATE:
CAD FILE NAME:	DRAWN BY: SOHAIL AHMAD	JOB NO	SCALE:
		DRG. NO	



TCP OFFICE 2ND FLOOR
LDA PLAZA, LAHORE
OPTION-02"
WITH DINNING

ADDITION & REVISION					
REVISION NO.	DATE	DESCRIPTION	DRN BY	CHK BY	APP BY

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PROJECT	TCP OFFICE LAHORE
TITLE	AC LAYOUT PLAN
CAD FILENAME	
CLIENT	TRADING CORPORATION OF PAKISTAN (PVT.) LIM
DESIGNED BY: ENG UMER GULZAR	APPROVED BY:
DRAWN BY: SOHAIL AHMAD	JOB NO.
DRG NO	SCALE:
	DATE:

PLUMBING DRAWING

GENERAL NOTES.

1 – PIPE PASSING THROUGH WALL, FLOOR OR ROOF SHALL BE PROTECTED WITH SLEEVES

2 – PIPE SIZES & DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE MENTIONED

3 – PLUMBING SERVICES, SHALL BE CO-ORDINATED WITH OTHER SERVICES SUCH AS ELECTRICAL, ETC. TO AVOID CONFLIT OR INTERFERENCE WITH THEM.

4 – SIZE OF FLOOR DRAIN UNLESS OTHERWISE STATED SHALL BE SAME AS THE SIZE OF OUTLET DRAIN PIPE.

5 – WHEREVER FLOOR DRAIN/TRAP IS SHOWN, SLOPE FLOOR TOWARDS DRAIN/TRAP.

6 – HORIZONTAL DRAINAGE PIPING OF 100mm

7 – EXTENSION OF VENT PIPES THROUGH A ROOF SHALL BE TERMINATED AT LEAST 152mm ABOVE FINISHED ROOF LEVEL. EACH VENT TERMINAL SHALL BE MADE WATER TIGHT WITH THE ROOF BY PROPER FLASHING

8 – SIZE OF ANYTHING GIVEN ON PLUMBING DRAWING MEANS ITS CLEAR DIMENSIONS (CAPACITY), UNLESS OTHERWISE MENTIONED.

9 – THE "VERTICAL DISTANCE" FROM FIXTURE OUTLET TO THE TRAP WEIR SHALL PREFERABLY BE NOT MORE THAN 304 mm. HOWEVER, THIS "VERTICAL DISTANCE" FROM THE FIXTURE OUTLET TO THE TRAP WEIR SHALL NOT EXCEED 609 mm.

10 – WHERE THE CHANGE OF DIRECTION IS 45° OR LESS, IT IS NOT NECESSARY TO PROVIDE A CLEAN OUT. BUT WHEN THE CHANGE IN DIRECTION IS MORE THAN 45°, A CLEAN OUT SHOULD BE REQUIRED.

11 – ALL TRAPS AND FLOOR DRAINS SHALL HAVE A WATER SEAL NOT LESS THAN 50 mm.

12 – (EXTERNAL SERVICES) THE BOTTOM OF WATER-SERVICES PIPE , AT ALL POINTS SHALL BE AT LEAST 304 mm ABOVE THE TOP OF THE SEWER LINE AT ITS HIGHEST POINT.

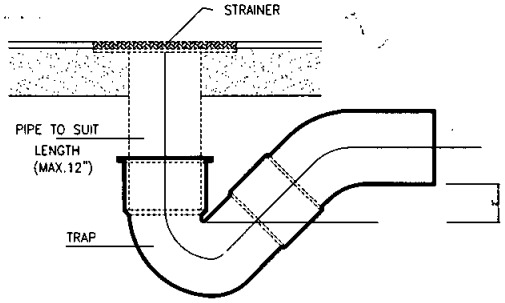
13 – NO "T" FITTING IS ALLOWED IN SANITARY DRAINAGE LAYOUT. USE ONLY "Y" FITTINGS.

TABLE-1

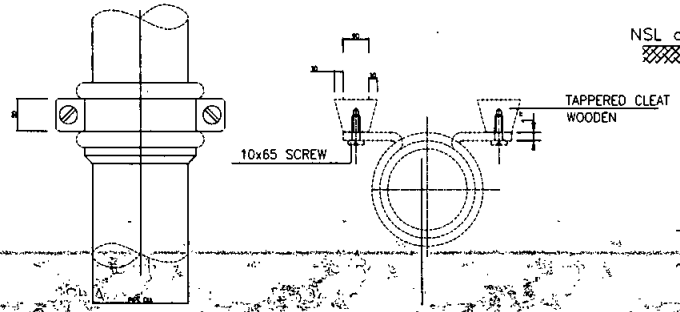
ABBREV.	DESCRIPTION
SP	SOIL PIPE
WP	WASTE PIPE
SS	SOIL STACK
WS	WASTE STACK
VP	VENT PIPE
VS	VENT STACK
T/A	TO ABOVE
F/A	FROM ABOVE
T/B	TO BELOW
F/B	FROM BELOW

TABLE-2

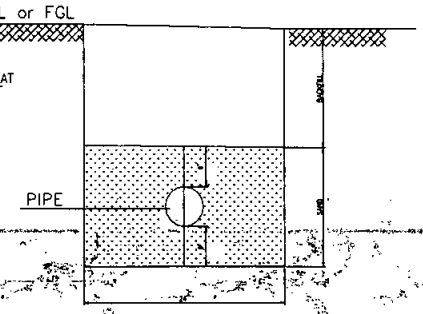
ABBREV.	DESCRIPTION
GV	GATE VALVE
WP	WASTE PIPE
SP	SOIL PIPE
HS	HAND SHOWER
G.T	GULLY TRAP
Gr.T	GREASE INTERCEPTOR
MFT	MULTI FLOOR TRAP
FT	FLOOR TRAP
O.H.W.T	OVERHEAD WATER TANK
U.G.W.T	UNDERGROUND WATER TANK
WC	WATER CLOSD
SH	SHOWER
T/A	TO ABOVE
F/A	FROM ABOVE
T/B	TO BELOW
F/B	FROM BELOW



DETAIL OF FLOOR TRAP
NO SCALE



DETAIL OF PIPE CLAMP
NO SCALE (DIMENSIONS ARE IN mm.)



PIPE TRENCH DETAIL
NO SCALE

ADDITION & REVISION					
ADD/REV. NO	DATE	DESCRIPTION	DRN. BY	CHK. BY	APP. BY

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Head Office.
287-A Street # 6, Cavalry Ground ,Lahore
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Email: newvisionec@yahoo.com

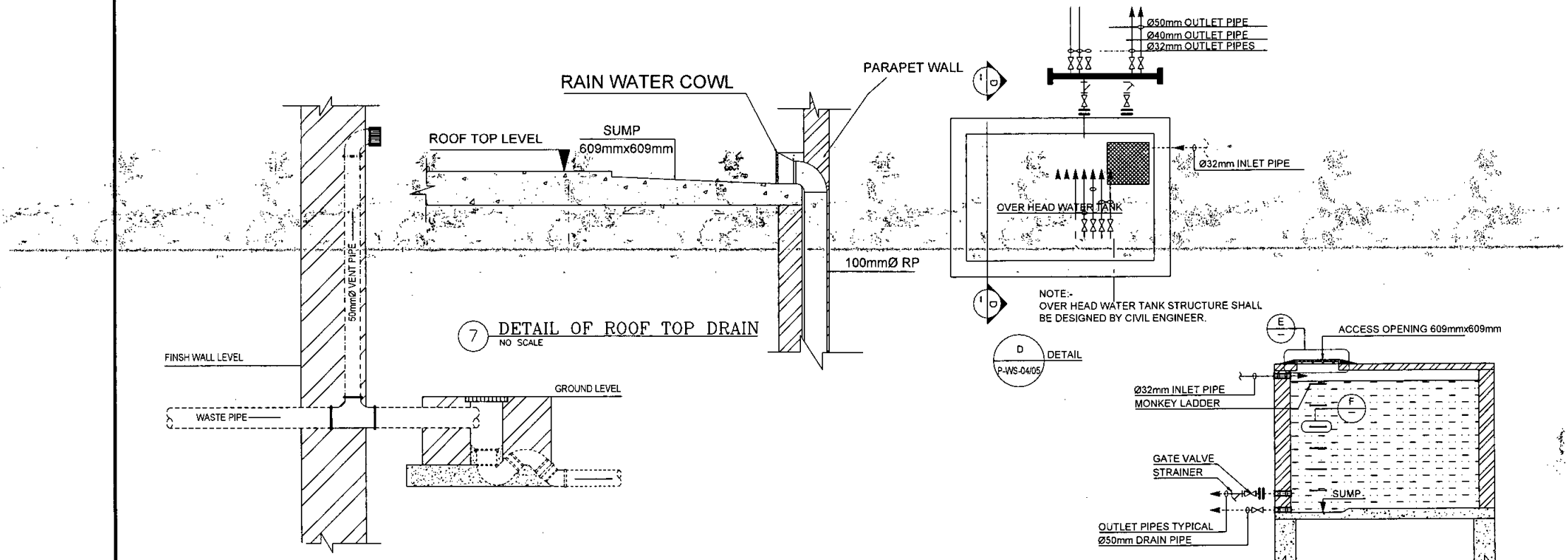
PROJECT: TCP OFFICE LAHORE

TITLE: TYPICAL DETAILS

CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

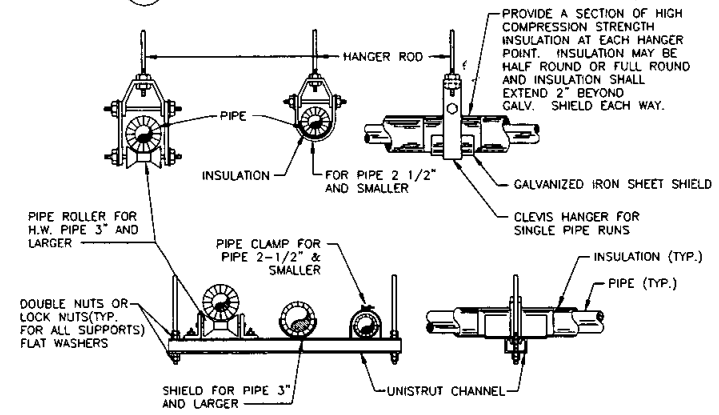
DESIGNED BY	APPROVED BY	DATE
ENG UMER GULZAR		
DRAWN BY	JOB NO	SCALE:
KHURAM UMER		
DRG. NO.		



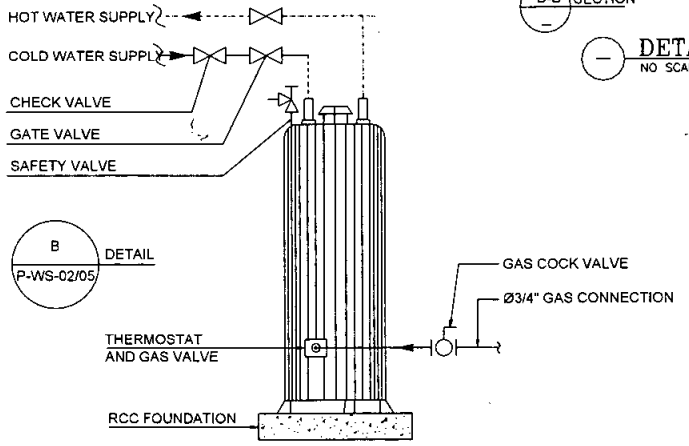
7 DETAIL OF ROOF TOP DRAIN
NO SCALE

DETAIL OF WASTE VENT PIPE

— DETAIL OF WASTE VENT PIPE
NO SCALE

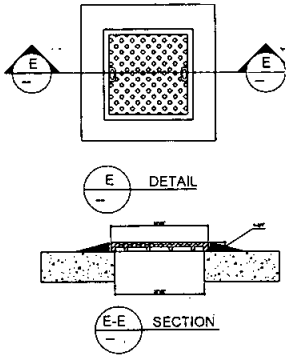


— WATER PIPING HANGERS AND SUPPORTS DETAIL
NO SCALE



— DETAIL OF HOT WATER GYESER
NO SCALE

— DETAIL OF OVERHEAD WATER TANK
NO SCALE



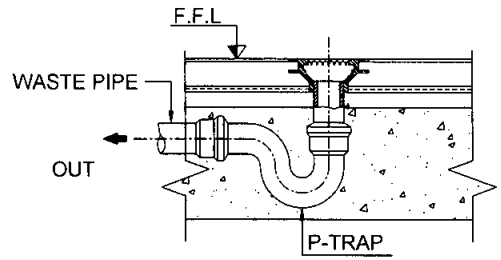
CAST IRON SOILD COVER

ADDITION & REVISION						
ADD./REV. NO	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY	

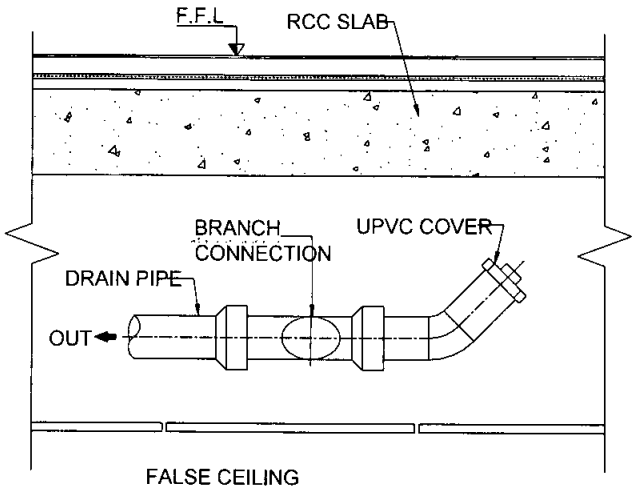
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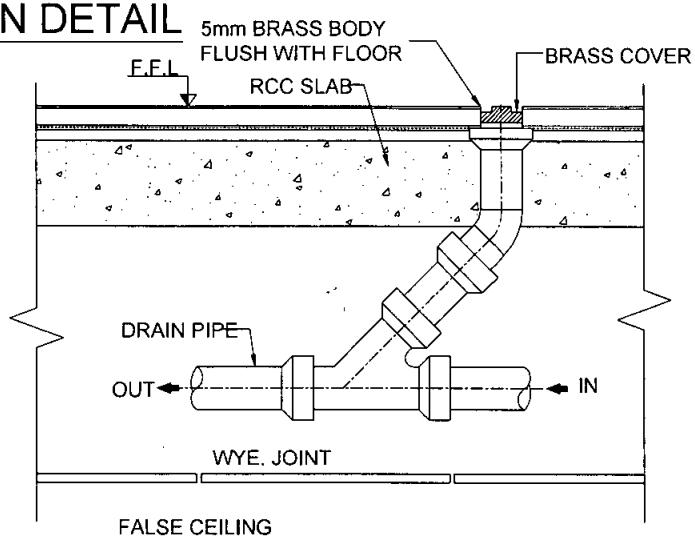
PROJECT:	TCP OFFICE LAHORE
TITLE:	TYPICAL DETAILS
CAD FILENAME	

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM		
DESIGNED BY: ENG UMER GULZAR	APPROVED BY:	DATE:
DRAWN BY: KHURAM UMER	JOB NO	SCALE:
DRG NO		

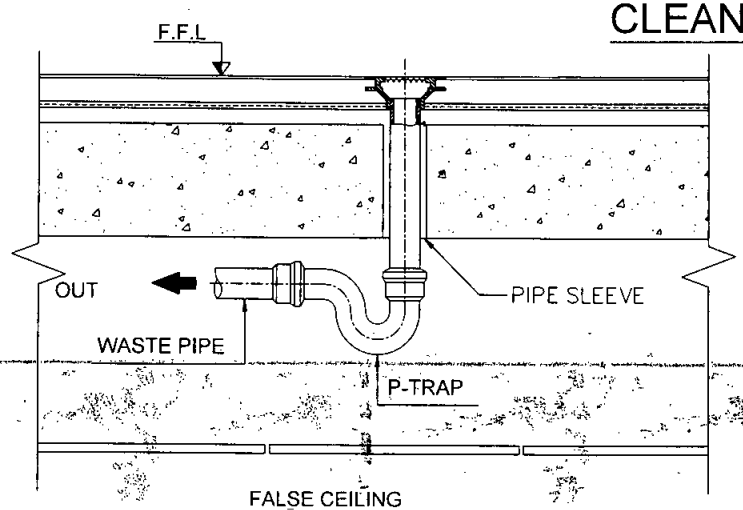


GROUND FLOOR DRAIN DETAIL

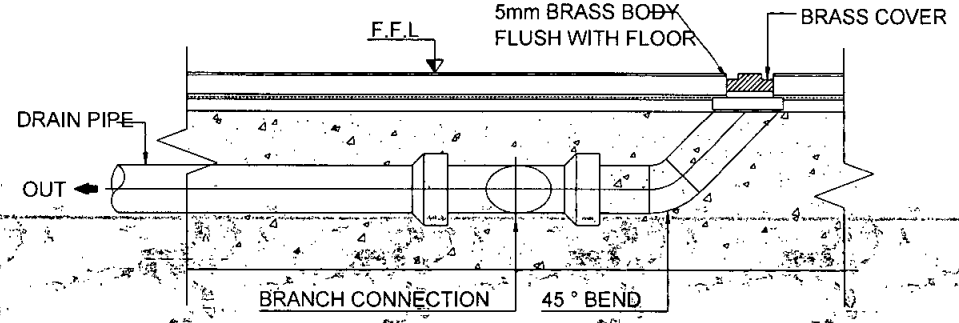




CLEAN OUT PLUG DETAIL



FLOOR DRAIN DETAIL



GROUND CLEAN OUT PLUG DETAIL

ADDITION & REVISION					
ADD./REV. NO	DATE	DESCRIPTION	DES. BY	CHK. BY	APP. BY

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PROJECT: TCP OFFICE LAHORE

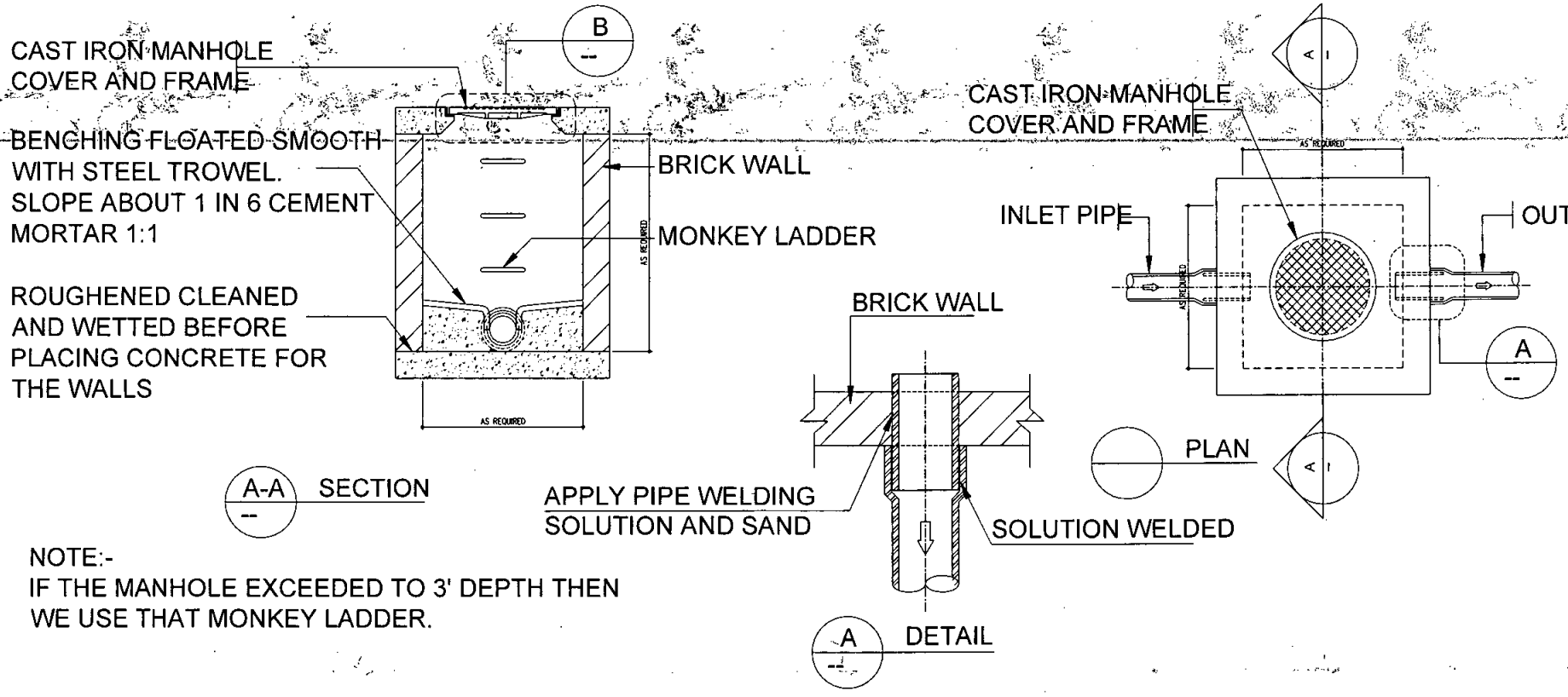
TITLE: TYPICAL DETAILS

CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY:	APPROVED BY:	DATE:
ENG UMER GULZAR		
DRAWN BY: KHURAM UMER	JOB NO.:	SCALE:

DRG. NO:



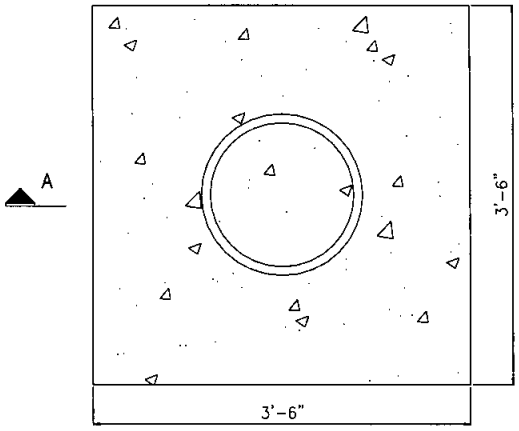
NOTE:-
IF THE MANHOLE EXCEEDED TO 3' DEPTH THEN WE USE THAT MONKEY LADDER.

MANHOLE DETAIL

ADDITION & REVISION					
REVISION NO	DATE	DESCRIPTION	DRN BY	CHK BY	APP BY

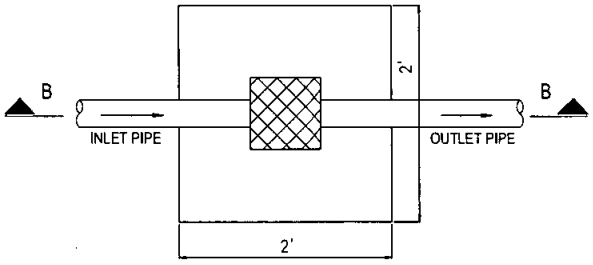
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PROJECT:	TCP OFFICE LAHORE
TITLE:	TYPICAL DETAILS
CAD FILENAME	
CLIENT	TRADING CORPORATION OF PAKISTAN (PVT.) LIM
DESIGNED BY: ENG UMER GUL ZAR	APPROVED BY:
DRAWN BY: KHURAM UMER	JOB NO.
DRG NO	SCALE
	DATE :



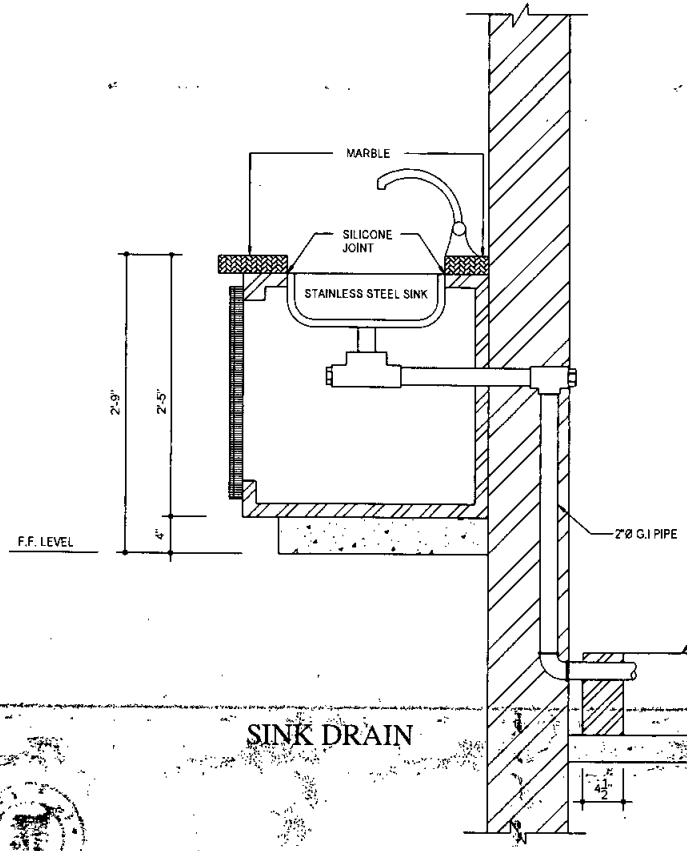
PLAN

TYPICAL SEWER MANHOLE

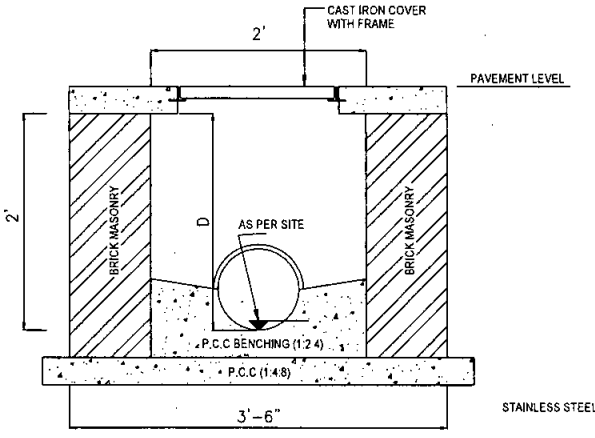


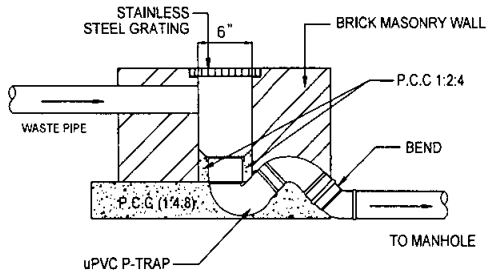
PLAN

GULLY TRAP

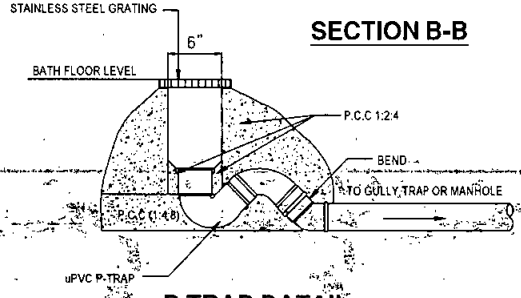


SECTION A-A





SECTION B-B



P TRAP DATAIL

SINK DRAIN

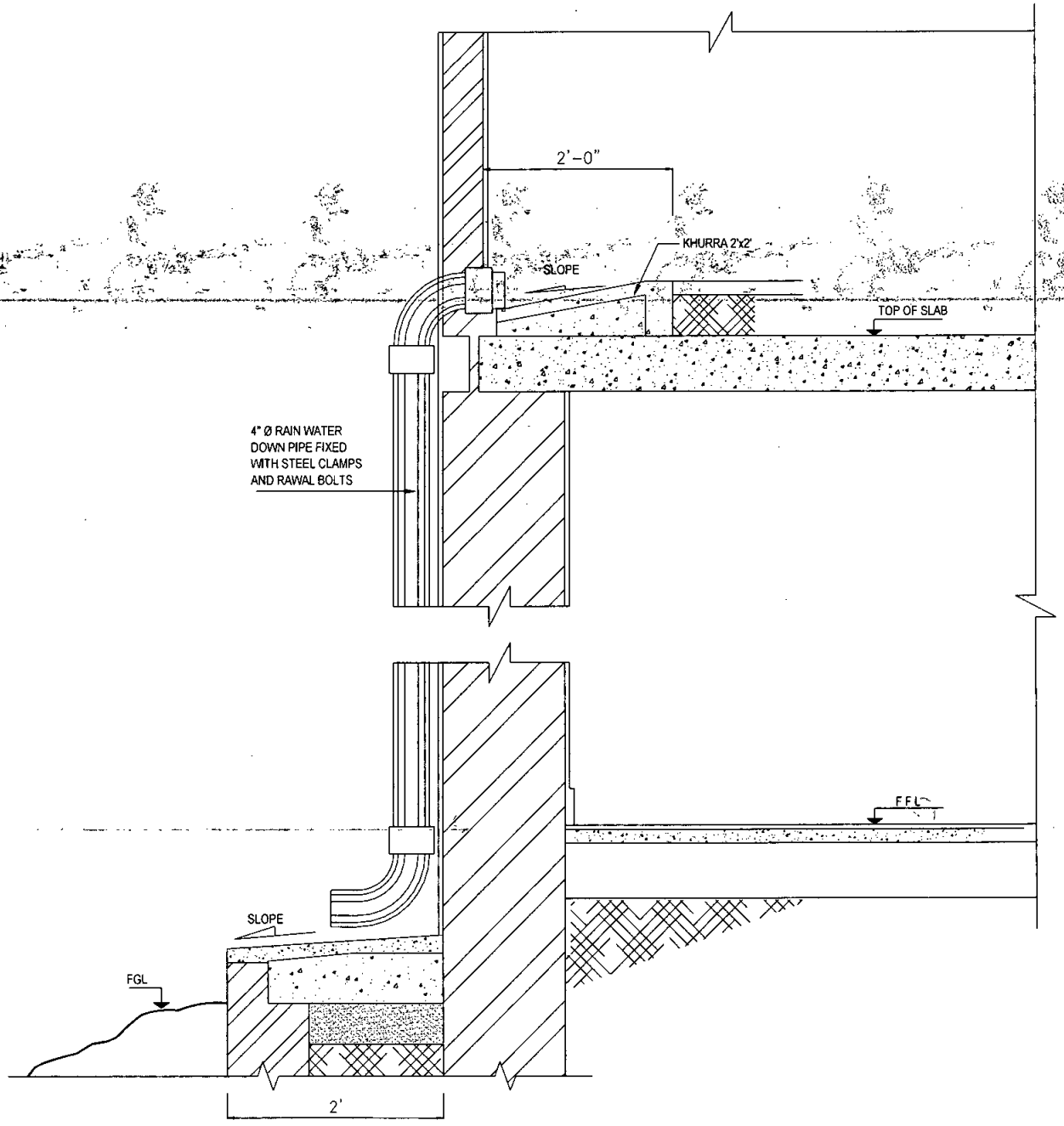
ADDITION & REVISION						
ADDENDUM NO	DATE	DESCRIPTION	DES. BY	DR. BY	APP. BY	

NEW VISION ENGINEERING CONSULTANT

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Email: newvisionec@yahoo.com

PROJECT:	TCP OFFICE LAHORE
TITLE:	TYPICAL DETAILS
CAD FILENAME:	
CLIENT:	TRADING CORPORATION OF PAKISTAN (PVT.) LIM
DESIGNED BY: ENG UMER GULZAR	APPROVED BY:
DRAWN BY: KHURAM UMER	JOB NO
DRG. NO	SCALE:
DATE:	



TYPICAL KHURRA DETAIL

ADDITION & REVISION					
ADD/REV.NO	DATE	DESCRIPTION	DES.BY	CHE.BY	APP.BY

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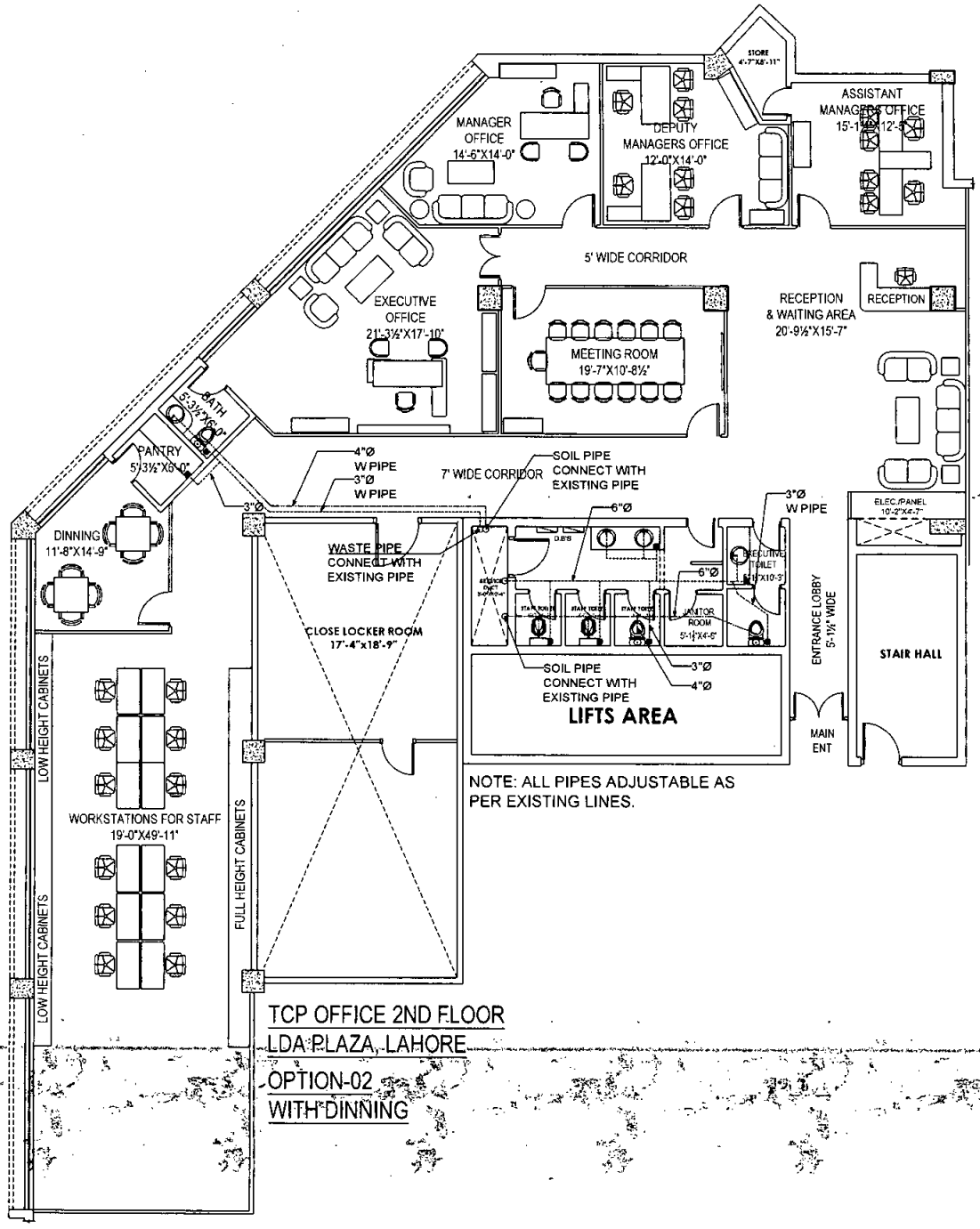
PROJECT: TCP OFFICE LAHORE

TITLE: TYPICAL DETAILS

CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY:	APPROVED BY:	DATE:
ENG UMER GULZAR		
DRAWN BY: KHURAM UMER	JOB NO:	SCALE:
DRG NO:		



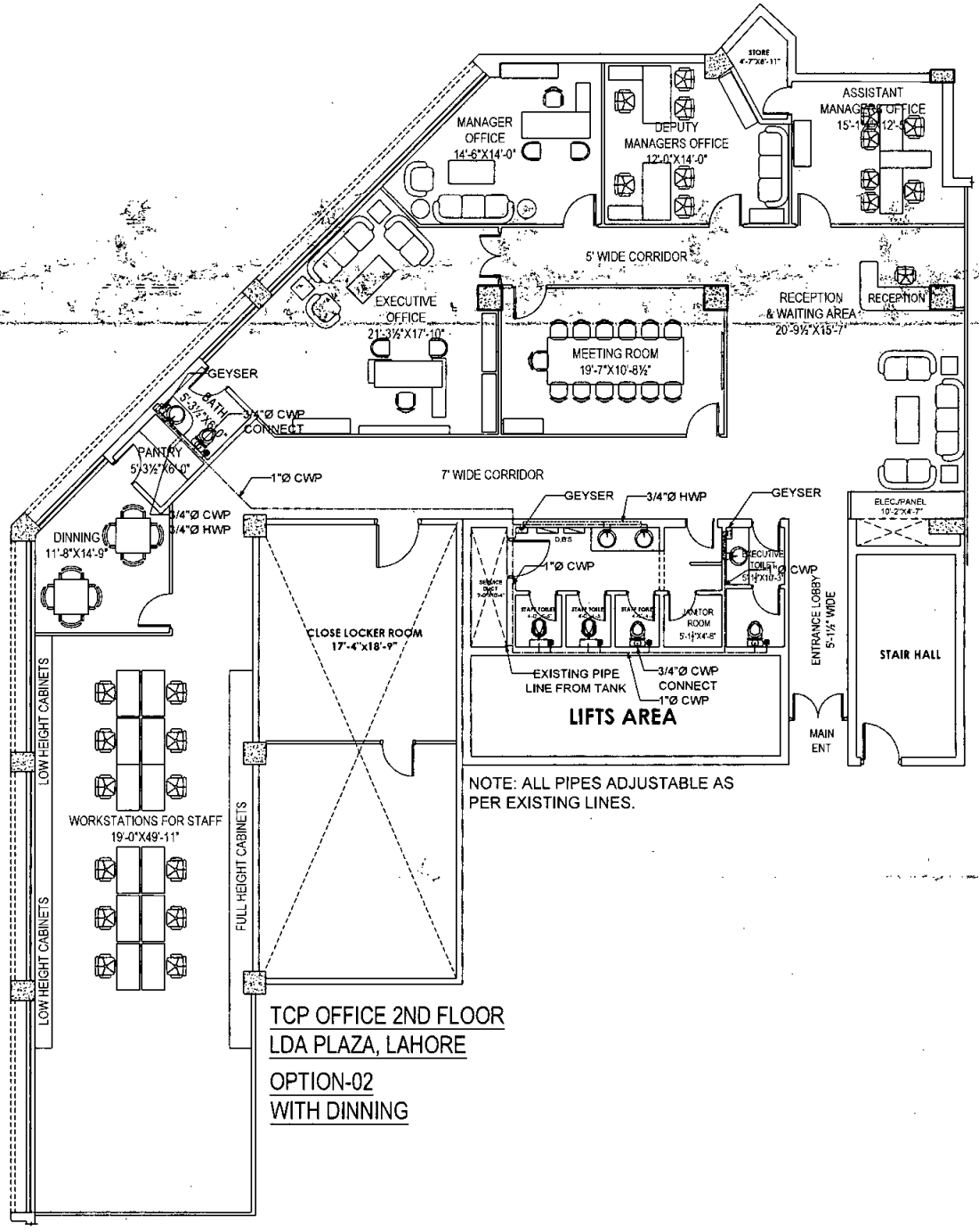
NOTE: ALL PIPES ADJUSTABLE AS PER EXISTING LINES.

TCP OFFICE 2ND FLOOR
LDA PLAZA, LAHORE
OPTION-02
WITH DINNING

ADDITION & REVISION						
ADD./REV. NO.	DATE	DESCRIPTION	DES. BY	CHEC. BY	APP. BY	

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Head Office:
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Islamabad Office
House # 4, Street # 588, Sector G-13/2 Islamabad
Tel: 051 2768 693 Fax. 051 2768 693
Email: newvisionec@yahoo.com

PROJECT:	TCP OFFICE LAHORE
TITLE:	SEWRAGE LAYOUT
CAD FILE NAME:	
CLIENT:	TRADING CORPORATION OF PAKISTAN (PVT.) LIM
DESIGNED BY: ENG UMER GULZAR	APPROVED BY:
DRAWN BY: KHURAM UMER	JOB NO.
DRG. NO	SCALE
DATE:	



NOTE: ALL PIPES ADJUSTABLE AS PER EXISTING LINES.

TCP OFFICE 2ND FLOOR
LDA PLAZA, LAHORE

OPTION-02
WITH DINNING

ADDITION & REVISION					
ADD./REV NO.	DATE	DESCRIPTION	DES. BY	DRG. BY	APP. BY

NEW VISION ENGINEERING CONSULTANT

Head Office:
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Islamabad Office:
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Tel: 051 2768 693 Fax: 051 2768 693
Email: newvisionec@yahoo.com

PROJECT: TCP OFFICE LAHORE

TITLE: WATER SUPPLY LAYOUT

CAD FILENAME:

CLIENT: TRADING CORPORATION OF PAKISTAN (PVT.) LIM

DESIGNED BY:	APPROVED BY:	DATE:
ENG UMER GULZAR		
DRAWN BY: KHURAM UMER	JOB NO	SCALE:

DRG. NO.