



Sui Northern Gas Pipelines Limited (SNGPL)

**"Design and Preparation of
Tender Document Including Site Investigations"**

TENDER DOCUMENTS

For

Construction of Customer Service Center at Regional Distribution Office Abbottabad

June – 2026



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Quality Control Sheet



QUALITY CONTROL SHEET				
DOCUMENT	Tender Documents for Construction of Customer Service Center at Regional Distribution Office Abbotabad			
PROJECT	"Design and Preparation of Tender Document Including Site Investigations"			
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NOTES				





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CONTRACTOR HSE STATEMENT





CONTRACTOR HSE STATEMENT



SUI NORTHERN GAS PIPELINES LIMITED

Doc. #SNGPL-GPR013-F001

Issue # 01

Issue Date

Contractor HSE Statement

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The Contractor shall prepare and maintain information including a clear method statement regarding Contract/Sub-Contract activities, which outline the work to be undertaken and the method (s) for minimizing and maintaining environmental impacts, OH&S Hazards and maintaining compliance with HSE regulation.

To assist in organizing and maintaining information, background information section has been included (section I, II, III) Section can be modified or deleted as required when requesting a method statement from Contractors/Sub-Contractors.

SNGPL's Personnel to Complete Section I, II, and III

Suppliers to Complete Section IV, V, and VI

Section I Your Information: (type or print)

Name	
Phone Number	
Fax Number	
Dept Name	

Section II Requisition Information:

Requisition Number	
Project Number: (If applicable)	

Section III Service or Activity to be Performed:

Material/Chemical: (Production/Non-production)	Paint Solvent Sealer	Treatment Chemicals Lubricants, Oils, Greases Gasoline	Janitorial Material Other (specify)_____ Other (specify)_____
Facilities/ Construction:	Ditching Electrical Paint Structural	Roofing Mechanical HVAC	General Contractor Arch/Engr/Consulting Other (specify)_____
Services: (Includes Environmental Services)	Janitorial Security Maintenance	Emergency Response Env. Consulting Paint Booth Cleaning	Waste Management Other (specify)_____
Containerization:	5 gal. or less Drums Bulk Tanks	Type of Contract	Commodity Management On-site Manager Provided Total Cost Contract





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Section IV. Supplier/Contractor Information:

Current Supplier/Contractor to this Facility

New Supplier/Contractor to this Facility

Current Involved in other Facility Project(s)

List Project(s): _____

(Complete Information in table below): (type or print)

Name:	
Address:	
City & Province:	
Phone Number:	
Fax Number:	
President/General Manager/CEO etc.	
Facility Site Coordinator:	
Email Address:	
Phone Number:	
Mobile Number:	
Fax Number:	
Pager:	
24 Hour Emergency Number:	





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Sub-Contractor Information: (List supplier/Contractor not identified) (type or print)

Type	Firm Name
Architectural	
Mechanical	
Electrical	
Heavy Vehicles	
Industrial Services	
Painting	
Roofing	
Architectural/Engineering /Consulting Firm	
Sampling/Testing	
Chemical Supplier	
Other (specify)	
Scrap	
Waste Disposal	
Demolition Disposal	

Note: it is strongly recommended that you have your sub-contractor and suppliers involved at this facility should complete a separate HSE briefing package for the facility's review.





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Section V. Contractor Method Statement:

Supplier/Contractor is financially responsible for on-site HSE remediation actions resulting from incidents involving their employees and sub-contractors. To minimize the risk of environmental accidents, please review and initial the items contained in the HSE Management Basics Table below.

Health, Safety and Environment Management Basics		Tick ()
1	Contractor will ensure that the • Health of its employees is protected. • All activities carried out for the execution of the job are safe. • Compliance is met with all relevant laws and regulations. • All HSE (Health, Safety and environment) procedure of the Company are implemented. • Safe working environment is provided to its employees.	
2	Contractor will take all necessary steps to minimize the hazards associated with the job. Appropriate personal protective equipment should be provided to the employees where hazards exist.	
3	All incidents resulting in Dangerous Occurrence minor or major injury fire vehicle accidents and environmental incidents are to be reported to Company with 24 hours.	
4	The Contractor is to make his own arrangements for treating injuries to his employees. In the event, Contractor's employee is injured while working for the Company. It is the Contractor's responsibility to notify the company representative immediately and to report the circumstances of injury.	
5	Contractor's mobile equipment such as trucks crane welding machines, etc must be maintained in good working conditioned. Contractor's trucks and other mobile equipment should be operated in such a way that material they are carrying does not fall off the equipment on to the roads. If repairs are required or vehicles become immobilized arrangement must be made to correct the situation with additional outside help.	
6	Prior to the start of work a certificate from a competent authority is to be given to the site in charge by the Contractor stating that all mobile heavy equipment are in good working conditioned. Only licensed and designated qualified people shall operate contractor's equipment.	





Health, Safety and Environment Management Basics		Tick ()
7	Company equipment must not be handled or tampered with by Contractor. The Company representative may grant permission to the Contractor on specific conditions to operate Company equipment if emergency conditions so require.	
8	When doing work involving excavation Contractors must not be damaged or break into or otherwise open any underground piping. Extreme care must be exercised in this respect while excavating with power driven equipment. If lines are accidentally damaged notify the company representative immediately.	
9	All excavation made by Contractors must be fenced barricaded or otherwise protected so as to prevent personnel from slipping or falling into them.	
10	Drawing/Excavation include safety talk notified for facilitating contract employees ever during transportation by Cos TPT.	
11	The authorized Company executive will issue a permit appropriate for any work to be done by the Contractor at Company designed sites where work permit procedure is applicable. After receiving permit for work the Contractor shall be guided by Company rules and applicable laws in performing his work.	
12	Contractor shall provide to all their staff the relevant PPE's as specified by the Company against each job. Contractor staff will do compliance.	
13	Contractor's job sites must be kept reasonably clean and free of rubbish and debris which may create tripping or fire hazard. Upon completion the Contractor shall leave the area in a clean and orderly manner, removing all Contractor's debris, equipment and excess material.	
14	Contractor shall dispose of all the waste generated from its activity in environment friendly manner as described in Pakistan Environment Protection Act, 1997.	





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Contractor HSE Statement

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Section VI. Supplier/Contractor Certification: (review and sign)

I have reviewed and understand the information contained in this document. I also understand that SNGPL's HSE Personnel have the right to inspect our activities and those of our Suppliers/Contractors with regards to our on-site activities. I further understand that activities pertaining to service and/or maintenance contracts may only require submission of this form on an annual basis.

Name	
Title	
Signature	
Date	





FORM OF TENDER





FORM OF TENDER

Notes: - (The Appendix forms part of the Tender. Tenderers are required to fill up all the blank spaces in this, Tender Form and carefully review the Appendix).

To,
The Managing Director,
Sui Northern Gas Pipelines Ltd,
Sui Gas House, 21-Kashmir Road, Lahore.

Dear Sir,

Having examined the Drawings, Conditions of Contract, Specific Specifications, for the execution of the above-named works, we, the undersigned, offer to construct, complete and maintain the whole of the said works in conformity with the said Drawings, Conditions of Contract, Specific Specifications and Bid sheet for the sum of Rs. _____ (Rupees _____) or such other sums as may be ascertained in accordance with the said conditions.

2. I/We undertake if my/our Tender is accepted to commence the works within fifteen (15) days of receipt of the Company's (SNGPL) order to commence, and to complete and deliver the whole of the works comprised in the contract within the time mentioned in Appendix "A" calculated from the last date of commencement time.
3. If my/our tender is accepted, I/we will obtain the guarantee of Scheduled Bank/ approved Insurance Company (SNGPL) to be jointly and severally bound with us in a sum not exceeding ten (10%) percent of the above-named sum for the due performance of the Contract under the terms of Bond to be approved by you.
4. I/We agree to abide by this Tender for the period of One hundred and twenty (120) 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.
5. Unless and until a formal Agreement is Prepared and executed, This Tender, together with your written acceptance thereof, shall constitute a binding Contract between us.
6. I/We understand that you are not bound to accept the lowest or any tender you may receive.
7. As a guarantee for the performance of the undertaking and obligations of this tender, we submit herewith Earnest money amounting to Rs. 180,000 in the form of original demand draft / pay order / deposit-at-call receipt in your favour and made payable to you, without any reference to us, and valid for

GENERAL TERMS & CONDITIONS





GENERAL TERMS & CONDITIONS

1. SITE CONDITIONS, CLEARING AND GRUBBINIG

The tenderers shall fully acquaint themselves with the site, site conditions, affecting in any way the cost of tender etc., before tendering. The work is to be completed in all respects, fully functional. The work also includes all necessary arrangements required to be made at site according to site requirements.

2. TENDER PREPARATION AND SUBMISSION

The tenders shall be prepared at tenderer's own cost and shall be submitted on prescribed form of tender in sealed envelopes on which only the name of work should be clearly written in capital letters while name of tenderer should not be written. All entries should be made in ink in both words and figures. All pages of the tender documents must be signed and stamped by the tenderer. The preparation of tender documents and any correspondence in connection with the tender documents should be in the English language. The tender should be delivered in person or by mail to the following address:

INCHARGE (CIVIL)
2ND FLOOR, S.N.G.P.L. HEAD OFFICE,
21-KASHMIR ROAD, LAHORE

so as to reach on or before the time and date given in Tender Invitation Notice/Letter, at which time and place, they will be opened. Tenderers are invited to be present at the opening of the tenders. Only the tenderer's name and total tendered prices will be announced. The tender documents thus once submitted shall become property of the Company and shall not be returned whatsoever.

3. CLARIFICATIONS, INTERPRETATIONS

The tenderer shall study the drawings and specifications carefully. Any information, clarifications, interpretations sought by the intending tenderers must be referred in writing to SNGPL will issue necessary instructions in writing to all tenderers simultaneously, which will become part of the contract. The tenderers shall sign copies of all such addenda and submit them together with the tender documents and drawings. Verbal discussions shall not to be considered binding. No extension in the closing date shall be demanded on account of any such clarification and/or interpretation having received late. If no clarification is obtained within the prescribed time and later on any discrepancy (e.g., mismatch between any tender documents etc.,) is noticed, then the decision of the Company shall be final and binding.





4. MODIFICATIONS

Modifications in the tender documents, if required by the Company, will be made by issuing addenda to the Tender Documents. Intimation of such modifications will be sent to each tenderer, minimum four days prior to the date of submission of tenders. No amendment or modification of the contract shall be made except in writing and signed by the Company.

5. CONDITIONAL TENDER

Conditional tender will not be accepted.

6. RATES

The Contractors shall quote the rate on lump sum cost basis (if not given otherwise) in the bid sheet attached to construct, complete and maintain the works included in the bid sheet, to the fully functional/operational conditions covering and including all the civil works, public health and sanitation work, electrical works, laying conduit pipe for telephone lines, external works and all other services whether or not shown in the drawings or given in the specific specifications. For this purpose, Contractors shall calculate and evaluate the quantities and quantum of works themselves and no claim of Contractors whatsoever shall be entertained by the Company for any mis-calculation of tender by the Contractors. The rates quoted by the Contractors shall be for complete finished work and shall be comprehensive and complete in all respects including cost of all materials, labour, tools and plants, carriage, taxes, profits, incidental charges etc.

7. RATE ANALYSIS

The Contractors should provide rate analysis of each item (if required).

8. RIGHT OF REJECTING TENDER

The Company shall have the right of rejecting any or all of the tenders. The Company is not bound to award the contract to the lowest tenderer.

9. EARNEST MONEY

A Demand Draft, Pay Order, Deposit-at-Call or Deposit Receipt issued from any scheduled bank of Pakistan (preferably at Lahore), equal to Rs. 180,000/- amount of work in favour of Sui Northern Gas Pipelines Limited, Lahore shall be submitted before tender opening date as earnest money on the addressed mentioned at Appendix-A. Tenders without Earnest Money will not be entertained. Cheques and cash will not be accepted. The earnest money of unsuccessful tenderers shall be returned

- a. After execution of contract agreement with the successful tenderer or
- b. If all the tenderers are rejected, after such rejection or
- c. Within sixty days of opening of tender





The earnest money of the successful tenderer shall be returned after submission of Performance Bond. If the tenderer to whom the contract is awarded refuses or neglects to execute the agreement than the earnest money will be forfeited and contract may be rescinded. If the construction site is not cleared and handed over to the Contractors by the company within 60 days of issuance of work order, the earnest money will be returned to the Contractors by the company.

10. VALIDITY OF BID

The bid shall remain valid and may remain open and binding for a period of 120 days from the date of opening of tender or until the work order issued to the successful tender.

11. PERFORMANCE BOND OR GUARANTEE

The Contractors will have to submit, at his own expense, Performance Bond as per detail given in Appendix-A. Terms of the bond shall be as per sample provided by the Company.

12. STANDARD OF WORK

The work shall be done to the entire satisfaction of the Company. The Company is the sole judge to approve the standard of work and if any defects are observed up to completion of maintenance period, the Contractors shall make good all such defects at his own risk and cost including materials. If the Contractors fails to do any such work, as aforesaid required by the Company, the Company can get the same work done through any other means and all expenses consequent thereon or incidental thereto shall be recoverable from the Contractors by the Company or may be deducted by the Company from any money due or which may become due to the Contractors.

13. HSE POLICY

SNGPL is committed to the health and safety of its employees, preservation of environment and continual improvement of HSE performance by reducing potential hazards, preventing pollution and adhering to applicable laws and regulations in all its activities related to its Contractors. Following should be ensured by the Contractors.

1. Usage of Personal Protective Equipment.

The use of personal Protective equipment is to reduce employee's exposure to hazard when engineering and administrative controls are not feasible or effective to reduce the risks to acceptable levels. Personal Protective Equipment is last line of defence.

2. Wearing of closed shoes.
3. Not wearing loose clothes.
4. Not to use defective machinery and plant.





5. Not to work in unsafe condition.
6. Not to perform unsafe acts.

14. REMOVAL OF ANY CONTRACTOR'S EMPLOYEE FROM SITE

The Company shall be at liberty to object to and require the Contractors to remove forthwith from the works any person employed by the Contractors in or about the execution or maintenance of the works, who, in the opinion of the Company, misconducts, or is incompetent or negligent in the proper performance of his duties, or whose employment is otherwise considered by the Company to be undesirable and such person shall not be again employed upon the works without the written permission of the Company. Any person so removed from the works shall be replaced as soon as possible by a competent substitute approved by the Company.

15. CONTRACTORS LIABLE FOR DAMAGE TO PLANT AND PEOPLE ETC.

The Contractors shall be at any time be liable for the loss of or damage to any of the said constructional plant, temporary works, materials and people including labour etc.

16. SERVICE OF NOTICES ON CONTRACTORS

All certificates, notices or written orders to be given by the Company to the Contractors under the terms of the contract shall be served by sending by post to or delivering the same to the Contractors principal place of business, or such other address as the Contractors shall nominate for this purpose.

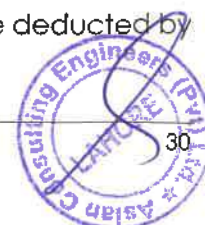
17. SUBLETTING

No subletting of major work shall be done without prior written permission of the Company.

18. REMOVAL OF IMPROPER WORK AND MATERIAL

- a. The Company shall during the progress of the works have power to order in writing from time to time:
 - i. The removal from the site, within such time or times as may be specified in the order, of any materials which, in the opinion of the Company, are not in accordance with the contract.
 - ii. The substitution of improper and unsuitable materials and
 - iii. The removal and proper re-execution, notwithstanding any previous test thereof or interim payment therefore, of any work which in respect of materials or workmanship is not in the opinion of the Company, in accordance with the contract.
- b. Default of Contractor's Compliance

In case of default on the part of the Contractors in carrying out such order, the Company shall be entitled to employ and pay other persons to carry out the same and all expenses consequent thereon or incidental thereto shall be recoverable from the Contractors by the Company, or may be deducted by





the Company from any money due or to which may become due to the Contractors.

19. RATE OF PROGRESS

If for any reason, which does not entitle the Contractors to an extension of time, the rate of progress of the works or any section is at any time, in the opinion of the Company, too slow to ensure completion by the prescribed time, the Company shall so notify the Contractors in writing and Contractors shall thereupon take such steps as are necessary and the Company may approve to expedite progress so as to complete the works or such section by the prescribed time. The Contractors shall not be entitled to any additional payment for taking such steps. If as a result of any notice given by the Company under this clause, the Contractors shall seek the Company's permission to do any work at night or on Sunday, if locally recognized as days of rest, or their locally recognized equivalent, such permission shall not be unreasonably refused. If it is still felt that the progress of the Contractors is not satisfactory and in the opinion of the Company, the project is likely to be delayed due to poor progress, the remaining work can be taken over from the Contractors after giving notice of 14 days and the work can be got completed at the risk and cost of the Contractors.

20. ADVANCE PAYMENT

No advance payment shall be made except described in Appendix-A.

21. CORRECTION AND WITHHOLDING OF PAYMENT CERTIFICATES

If the works or part of the works contained in the PPCs/FPC of the Contractors are found incomplete, defective, rejected and/or with calculation error(s) etc., the Company shall and/or can:

- a. Correct and deduct from the bill such amount or amounts as the Company may consider proper and reasonable or
- b. Withhold payment certificate till the proper completion and rectification of the works or part(s) thereof, or
- c. Send back the said bill to the Contractors for resubmission of proper bill in proper form and details as required by the Company.

The Contractors shall have no claim whatsoever for any delay thus occurring in issuing the payment certificates and releasing the payment thereof.

23. INCOME TAX DEDUCTION

As required under the law, Income Tax will be deducted as per prevailing Government instructions and deposited with the Income Tax Department. However, a certificate for such deduction will be issued to the Contractors.

24. VARIATIONS

The Company shall make any variations of the form, quality or quantity of the works or any part thereof that may, in its opinion, be necessary and for that





purpose, or if for any other reason it shall, in its opinion be desirable, the Company shall have power to order the Contractors to do and the Contractors shall do any of the following:

- a. Increase or decrease the quantity of any work included in the contract.
- b. Omit any such work
- c. Change the character or quality or kind of any such work
- d. Change the levels, lines, position and dimensions of any part of the works, and
- e. Execute additional work (s) of any kind necessary for the completion of the works

And no such variation shall in any way vitiate or invalidate the contract. Additional proportionate time may be allowed by the Company on the basis of any addition in work (s) as per following:

1. If excess in the quantities of any item of work is required either due to requirement of the client departments of SNGPL or due to some other unavoidable site conditions, the same should be informed by the Contractors well in time in order to seek formal written approval from the ~~the~~ ^{HOD} ~~the~~ The Contractors should also quantify and inform the increase in cost of work (s) due to any such excess in quantity of any item.
2. Upon receipt of above stated intimation of the Contractors, undersigned will issue formal written permission to the Contractors for proceeding ahead in the matter accordingly.
3. The Contractors have no authorization to exceed the quantities of different items given in the work order without prior written permission of the ~~the~~ ^{Head of Department (HOD)} ~~the~~.
4. If any Contractors execute the construction work (s) in such a way that causes excess in quantities of any item of work, over and above the work order quantities without prior written permission of the ~~the~~ ^{HOD} ~~the~~, the Company may refuse for payment against such excess quantities.

25. VALUATION OF VARIATION

All extra or additional work (s) done or work (s) omitted by the order of the Company shall be valued at the rates and prices set out in the contract if, in opinion of the Company, the same are reasonable, otherwise the same will be rationalized as per following formula given for non-BOQ items.

The rates for additional works (non-BOQ), if any, will be calculated on the basis of following guidelines:

- i. Average market price of material specified quality.
- ii. Cost of labour worked out rationally.





- iii. 10% of cost of material and labour as overhead expenses and taxes of Contractors.
- iv. 15% of cost of material and labour as profit of the Contractors.

26. ESCALATION

No escalation in respect of any kind of material and labour shall be paid in any case due to increase of prices in the market.

27. NATIONAL TAX NUMBER AND PROFESSIONAL TAX CLEARANCE CERTIFICATE

The Contractors will have to produce National Tax Number and Professional Tax Clearance Certificate.

28. COMPLETION TIME

The Contractors shall complete all contract works within stipulated 'Time of Completion' as given in Appendix-A.

29. TIME EXTENSION

Delay in work due to special circumstances of any kind which may occur other than through default of the Contractors shall entitle the Contractors to an extension in time for completion of work. These special circumstances may include war, riots, epidemics, adverse climatic conditions, law and order situation or other circumstances of such kind which are beyond the reasonable control of the Contractors. The Company shall determine the amount of such time extension and shall notify to the Contractors accordingly.

30. LIQUIDATED DAMAGES (PENALTY)

In case of delay in completion of work from stipulated completion date on the part of the Contractors, Liquidated Damages (Penalty) for such default of the Contractors will be imposed as per the percentage amount given in the Appendix-A for each day of delay. This clause, however, shall not be applicable if in the opinion of the Company, the delay is due to war, riots, epidemics and/or any other reason out of reasonable control of the Contractors. The Company, may without prejudice to any other method of recovery, deduct the amount of such damages from any money in its hands, due or which may become due to the Contractors. The payment or deduction of such damages shall not relieve the Contractors from his obligation to complete the works, or from any other of his obligations and liabilities under the contract.

31. REMEDY ON CONTRACTOR FAILURE TO CARRY OUT WORK REQUIRED

If the Contractors shall fail to do any such work(s) as aforesaid required by the Company, the Company shall be entitled to employ and pay other persons to carry out the same and if such work is the work, which in the opinion of the Company, the Contractors were liable to do at his own expense under the



contract, then all expenses consequent thereon or incidental thereto shall be recoverable from the Contractors by the Company, or may be deducted by the Company from any money due or which may become due to the Contractors.

32. BLACKLISTING

If the Contractors fail to execute the work as per contract, the Company may delist his name from SNGPL and the same will be forwarded to PPRA and Pakistan Engineering Council and may blacklist his name for future participation in tender.

33. PROCESS OF PAYMENT/CORRESPONDENCE

1. Work will be completed by the contractor to whom job assigned.
2. PPCs/FPC will be processed on the name of firm's proprietor including name duly signed and stamped by the proprietor.
3. Cheques payment will be processed on the name of proprietor including firm's name.
4. No representative of the firm will sign the official documents on behalf of proprietor.
5. None of proprietor/ representative of firm allowed to do business with the company the of any other firm.





SPECIFICATION TO BE ADOPTED AND LIST OF APPROVED MANUFACTURERS/VENDORS



SPECIFICATIONS AND

LIST OF APPROVED MANUFACTURERS/VENDORS

All equipment/material shall conform to relevant codes and specifications given in BOQ/drawings and shall be from approved sources indicated below. However, in every case the Contractor shall submit complete technical details of the equipment and material and obtain Engineer's approval prior to delivery on site duly vetted by the Consultant. Where Approved Equivalent is indicated, it shall be at the sole discretion of the Engineer to accept or reject the alternate proposal submitted by the Contractor. In the event "Approved Source" of any equipment / material is not indicated below the contractor shall obtain the approval of the Engineer prior to placing order on any supplier. During the execution stage if the material from any supplier is found defective/Sub-standard the Engineer reserves the right to ask the successful bidder to replace his choice of manufacturer / supplier for that particular equipment.

Sr. No.	Description/Materials	Brands/Vendors
1.	Crushed Stone Aggregate	Sargodha (black) or any approved equivalent
2.	OPC Cement	DG, Askari, Maple Leaf or any approved equivalent
3.	Reinforcement Steel, Deform, G-60 & 40	AFCO, Mughal, Fazal or any approved equivalent
4.	Sand	- Local Sand PCC 1:4:8, Brick Masonry, Sand Filling - Lawarancepur sand for plaster 100% Lawarancepur for all RCC Works
5.	Construction Chemicals	- SIKA - Radiant Construction Technologies - Pak Chemicals - Approved Equivalent
6.	G.I. Pipes/Sheets	ILL (M)
7.	Hot Bitumen	PB3 or PB4
8.	Polythene Sheet	60 Sft = 1kg
9.	Double Tee Planked R.C.C Roof Slab	Izhar Group of companies

NOTE:

- All materials shall be as per brands/specifications given in above table or equivalent approved by Incharge (Civil) and duly vetted by the Consultant.
- Samples of all construction material should be got approved from the Incharge (Civil) before installation at site.
- Original cash memo/certificate from authorized dealer will be provided by the Contractor to Incharge (Civil) before installation when required.
- All PCC, RCC Cylinder strength and steel grade would be according to the provisions of BOQ and drawings. Same provisions will prevail for steel cover.



APPENDIX: LIST OF APPROVED INSURANCE COMPANIES

List of approved insurance companies for performance bond only

1. National Insurance Corporation
2. Habib Insurance Company Limited
3. Eastern Federal Insurance Co. Ltd
4. Premier Insurance Co. Ltd
5. New Jubilee Insurance Co. Ltd
6. Universal Insurance Co. Ltd
7. Adamjee Insurance Co. Ltd
8. National Security Insurance Co. Ltd
9. The Pakistan General Insurance Co. Ltd
10. United Insurance Co. Ltd
11. Atlas Insurance Co. Ltd
12. IGI Insurance Co. Ltd

Note: Performance or other guarantees from Insurance Company will be accepted as long as the Insurance Company is of category A+ or above, as per ratings issued by Pakistan Credit Rating Agency Limited (PACRA). Earnest Money and Mobilization Advance Guarantee will, however, be acceptable from Scheduled Banks of Pakistan.





APPROVED SAMPLE OF PERFORMANCE BOND/GUARANTEE



APPROVED SAMPLE OF PERFORMANCE BOND/GUARANTEE

No. : _____
Dated : _____
Amount : _____
Expiry date : _____

To
The Managing Director
Sui Northern Gas Pipelines Limited
Sui Gas House
21- Kashmir Road
Lahore

Dear Sir,

BY THIS BOND/ GUARANTEE _____

Lahore whose registered office is at _____ hereinafter
called the "SURETY" do hereby bind ourselves and our successors and assigns jointly
and severally by these presents, to pay the Sui Northern Gas Pipelines Ltd., Lahore
(hereinafter called the "COMPANY") unconditionally on demand and without further
questions, the sum of Rs. _____
(Rupees _____)
_____) sealed with our seal and dated Lahore this _____ day of _____.

WHEREAS

M/s _____ (hereinafter called
the "CONTRACTORSS") for submitting tender for _____

a Work Order No. _____ dated _____ made
between the "COMPANY" of the one part and the "CONTRACTORS" of the other part
has entered in to a contract (hereinafter called "THE SAID CONTRACT") for the
construction of aforesaid works as herein mentioned in conformity with the provisions
of the said contract and the sum mentioned in the above written Bond/ Guarantee
represents the retention money to be furnished by the Contractors for fulfillment of the
said contract.



NOW THE CONDITION of the above written Bond/ Guarantee is such that if the Contractors shall duly perform and observe all the terms, provisions, conditions and stipulations of the said contract on the Contractors part to be performed and observed according to the true purport, intent and meaning thereof as determined by the company who shall be the sole judge in the matter or if on default by the Contractors for which the company shall be the sole judge, the surety shall satisfy and discharge the damages sustained by the company thereby and determined by the company of the above written bond/ Guarantee, then this obligation shall be null and void but no alteration in terms of the said contract made by agreement between the company and the Contractors or in the extent or the nature of the works to be constructed, completed and maintained there under and no allowance of the time by the company under the said contract nor any forbearance or forgiveness in or in respect of any matter or thing concerning the said contract on the part of the company shall in any way release the surety from any liability under the above written Bond/ Guarantee.

This Performance Bond/ Guarantee is valid up to _____ (including time of completion of work and completion of maintenance period).

Yours faithfully,

For and on behalf of "Surety"

SURETY NAME _____

Authorized Signature

Authorized Signature

The Common seal of the ("Surety") _____ is hereunto affixed in the presence of:

WITNESSES:

1.
Name: _____
CNIC No. _____
Signature: _____

2.
Name: _____
CNIC No. _____
Signature: _____



SPECIAL CLAUSES



SPECIAL CLAUSES

SC1. TESTING OF CONSTRUCTION MATERIALS ETC:

Tests but not limited to the following for construction materials shall be carried out:

Sr. No.	Material	Test	Reference
1	Concrete	i Slump Test	ASTM C 143
		ii compressive test of 6" dia x 12" long cylinder at 28 days	ASTM C -39
2	Bricks	Compressive Strength 1800 psi	ASTM C 0067-03a
3	Aggregate	1. Sieve Analysis	ASTM C 136-5
		2. Crushing Strength by Los Angeles Abrasion Test	ASTM C 131-03
4	Reinforcement Steel	1. Tensile Strength	ASTM A 615/A
		2. Elongation Test	ASTM A 615/A

- i. The Contractor will pay all the expenses relating to material testing including but not limited to the cost of metrical sample preparation carriage and testing in lab etc.
- ii. The Contractor shall make available at site the equipment/apparatus required for testing of material as directed by the Company.
- iii. The quantity of sample and the frequency of tests will be as per above standard or as directed by the Company.

SC2. UTILITIES:

The Contractor shall provide where possible at site Contractors staff accommodations water supply and electric power free of cost.

SC3. QUANTITIES IN BID SHEET:

The quantities given in bid sheet are only for reference and payment shall be made as per actual measurement at site.

SC4. IMPLEMENTATION OF HSE PROCEDURES:

The successful bidder shall follow all the applicable HSE procedures and policies at construction site in accordance with Contractors HSE statement.

SC5. TESTING ARRANGEMENT/EXPENSES:

Testing arrangement/expenses for construction materials, concrete and compaction of road works from approved laboratories (approved by SNGPL representative/site Incharge) shall be responsibility of Contractor. All tests of construction materials and final product elaborated in Technical Specifications will be performed after which the works will be considered as approved for final payment.





APPENDIX – A





APPENDIX – A

1	Earnest Money/Bid Security	Rs. 180,000/- Rupees (Must be submitted at the office of incharge (Civil), Civil Construction Department, 2nd Floor, Gas House 21 Kashmir Road Lahore in hard form along with Hard Copy of Tender Documents Signed & Stamped by the Contractor before Tender Submission Time otherwise the bid would be declared non-responsive). <i>Technical Bid must contain Earnest Money.</i>
2	Amount of Performance Bond or Guarantee	Ten Percent (10%) of the amount mentioned in the acceptance letter/work order (accepted amount) to be submitted within 15 days of issuance of work order issued by SNGPL approved Insurance Company
3	Validity of Performance Bond or Guarantee	Till satisfactory completion of Maintenance Period.
4	Validity Period of Bid	120 days from the date of opening of Tender
5	Time for Completion	Nine (09) Months for whole of the project including Mobilization Period of 15 days
6	Amount of Liquidated Damages	0.2% of the accepted amount/final cost of project per day for each day of delay
7	Limit of Liquidated Damages	10% of the total accepted amount or final cost of the project
8	Period of Maintenance	Eighteen (18) Months after issuance of completion certificate
9	Percentage of Retention Money	Ten percent (10%) of gross amount of each running bill
10	Limit of Retention Money	Five percent (05%) of FPC Amount
11	Payment of Retention Money	After successful completion of maintenance period and/or satisfactory rectification of all defects/deficiencies pointed out during maintenance period
12	Time within which payment to be made after Certification	<i>Sixty</i> Forty-five (45) ⁶⁰ working days of SNGPL Head Office
13	Mode of Payment	The Partial payments (PPC's) shall be processed on submission of claims by the contractor on completion of any work order activity (s) as per Mode of Payment/ Payment Schedule



14	Tender Documents Fee	Rs. 2500/- against Pay order in the Favour of M/s. Sui Northern Gas Pipelines Limited (Non-refundable) Must be submitted at the office of Incharge (Civil), Civil Construction Department, 2 nd Floor, Gas House 21 Kashmir Road Lahore before tender submission date and time. Without Submission of Tender Fee, Bid would be declared non-responsive.
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SPECIAL CONDITIONS





SNGPL desires construction of the following works thru competent Civil Contractor to carry out the complete Civil & MEP construction works as per BOQ, Specifications and Drawings given in the Tender Documents.

Construction of Customer Service Center at Regional Distribution Office
Abbotabad





SPECIAL CONDITIONS

The bid is being invited as per 'Single Stage-Two Envelope' procedure, in Compliance of PPRA Rule No. 36(b). If the bidder fails to fulfill any of following mandatory requirements, his bid will be considered as nonresponsive and shall be rejected without opening his 'Financial Proposal'.

1. The bid shall comprise a single package with only the name of work, containing the following in two separate envelopes:
 - a. 'Technical Proposal'
 - b. 'Financial Proposal'

The envelopes shall be marked as 'TECHNICAL PROPOSAL' and 'FINANCIAL PROPOSAL' in bold and legible letters to avoid confusion.

2. Initially, only the envelope marked as 'TECHNICAL PROPOSAL' shall be opened. The envelope marked as 'FINANCIAL PROPOSAL' shall be retained in the custody of SNGPL without being opened.
3. SNGPL shall evaluate the 'Technical Proposal' in a manner prescribed in clause 4 below, without reference to the price and reject any bid which does not conform to the specified requirements.
4. The 'Technical Proposal' must contain the following:
 - i. Certificate of registration of bidder with Pakistan Engineering Council in the relevant category valid for current year or copy of last/previous year along with receipt of amount submitted for renewal of registration.
 - ii. Copy of five pages of HSE Contractor Statement given in tender documents are required to be filled, stamped and signed by bidders and submit along with Technical Proposal.
 - iii. National Tax Number along with copy of certificate.
 - iv. Copy of Professional Tax Clearance Certificate.
 - v. Copy of Provincial Sales Tax (PST) Registration.
 - vi. Following relevant paper must be provided in respective cases:-
 - Name of the bidder
 - Type of ownership i.e. Proprietor/Partnership/Private Limited Company/Public Limited Company
 - Copy of NIC in case of single proprietor
 - Copy of partnership deed in case of partnership
 - Copy of Article of Association for Private/Public Limited Companies
 - vii. **Complete data of the Contractor regarding projects of civil works (structure/Building/Rehabilitation/strengthening Works, at least 01) each of worth not less than five (05) million during last five years with**



- proof (work order & completion certificate). The same will be vetted by the Consultant before opening of the Financial Bids.**
- viii. **Complete data of the Contractor regarding projects of civil works (structure/Building/Rehabilitation/strengthening Works, at least 01) each of worth not less than five (05) million in hand with proof (work order & Agreement). The same will be vetted by the Consultant before opening of the Financial Bids.**
- ix. **Proof of personnel & equipment capabilities and financial soundness (available bank credit line and working capital in last three years).**
5. The 'Financial Proposal' should contain the tender documents with each page signed along with duly filled in 'Bid Sheet'.
6. After the submission of bid, no amendments shall be permitted.
7. The 'Technical Proposals' shall be evaluated after opening and the 'Financial Proposal' of bids found technically nonresponsive shall be returned un-opened to the respective bidders. Thereafter the 'Financial Proposals', of the technically accepted bids only, will be opened in the presence of concerned bidders.
8. In case of any conflict between the Design Drawings and the Technical Specifications, the Drawings shall supersede the Specifications.
9. If excess in the quantities of any item of work is required either due to requirement of the client departments of SNGPL or due to some other unavoidable site conditions, the same should be informed by the Contractor well in time in order to seek formal written approval from the INCHARGE (CIVIL). The Contractor should also quantify and inform the increase in cost of work due to any such excess in quantity of any item. Upon receipt of above stated intimation of the Contractor, the Company will issue formal written permission to the Contractor for proceeding ahead in the matter accordingly.
- The Contractor has no authorization to exceed the quantities of different items given in the work order without prior written permission of the INCHARGE (CIVIL). If any Contractor executes the construction work in such a way that causes excess in quantities of any item of work, over and above the work order quantities without prior written permission of the INCHARGE (CIVIL), the Company may refuse for payment against such excess quantities.
10. If the construction site is not cleared and handed over to the Contractor by the Company within 60 days of issuance of work order, the Contractor may withdraw his offer and in such case the Earnest Money and/or Performance Bond submitted by the Contractor will be returned by the Company.
11. Complete HSE (Health Safety and Environment) Contractor Manual is available at SNGPL website www.sngpl.com.pk which must be studied for true implementation during execution of work. Implementation of HSE procedures shall be ensured as per prevailing HSE policy of SNGPL during execution of works.

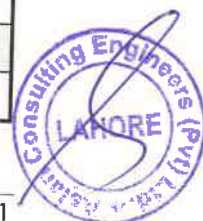


12. The Contractor must ensure the HSE Management Plan (safe system of works) at site to avoid any untoward incident including but not limited to following:
- Detail plan of activities to be carried out from start to execution/commissioning of subject project for example scaffolding, load lifting, work at height, use of mechanical equipment (moveable and immovable) etc. Detail JSA/Risk Assessment of the associated HSE hazards of each activity along with control measures.
 - Detail of certified machinery along with trained/experienced operators. Certificate of operators will be required.
 - Mechanism of effective HSE supervision of the project with dedicated HSE Engineers/Officers and staff.
 - Firefighting plan with detail of firefighting staff capabilities and equipment.
 - First aid plan with detail of first aiders staff capabilities and equipment.
 - Mechanism of manual and mechanical loading/unloading.
 - Detail of accident/incident statistics of the contracted company.
 - Detail of barricades, i.e., caution boards, hard barricades, barricading tape etc.
 - Detail of PPE's.
 - Emergency Response Plan.
 - Training and safety talks mechanism.
13. The Contractor shall be liable to pay compensation to his staff / labour in case of any major injury, disability and fatality category wise as under:

a.	In case of major injury (Injury leading to temporary disablement)	Payment of ½ of the monthly wages till the recovery of temporary disablement or for a maximum period of one year, whichever is less. Payment of 1/3 of the monthly wages till the recovery of chronic ill health / disease or for a maximum period of 5 year, whichever is less.
b.	In case of Disability (Permanent)	Rs. 500,000/-
c.	Fatality	Rs. 500,000/-

14. Failure to compliance against HSE initiative at operational sites will lead to blacklisting of a Contractor through following disciplinary action.

e.	1st Violation	Warning-letter
f.	2nd Violation	Deduction of Rs. 100,000/-
g.	3rd Violation	Deduction of Rs. 500,000/-
h.	4th Violation	Suspension for period of Six Months
i.	5th Violation	Blacklisting





15. To ensure that Contractor obtains 3rd party insurance to cover such incident (Harmful Incidents / Any Accident)
16. To ensure the sufficient security is retained by the company from the Contractors to cover such case (Harmful Incidents / Any Accident)
17. Protective gear should be provided to workers by the Contractors to avoid such accidents (Harmful Incidents / Any Accident)
18. To take care of the above point in future as well as running contracts.
19. Minimum level of age/experience/skill of contractor's staff/labour should be checked by first line executives and HSE engineer against the relevant job. A clause should be included in the Contract awarding documents against this requirement.
20. Contractor's staff should use only those tools at site which have prior verification from first line executives and HSE engineer. A clause should be included in contract awarding documents against this requirement.



INTEGRITY PACT

**INTEGRITY PACT****DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC
PAYABLE BY THE CONSULTANT/CONTRACTOR FOR SERVICES & WORKS
IN CONTRACTS WORTH RS.10.00 MILLION OR MORE**

Contract Number: _____

Dated: _____

Contract Value: _____

Contract Title: _____

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

Without limiting the generality of the foregoing [name of Consultant/Contractor] 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 Consultant/ Contractor] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Consultant/ Contractor] 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 right and remedies available to GoP under any law, contract or other instrument, be void able at the option of GoP.

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

[Client]

[Consultant / Contractor]





one hundred and twenty days (120) from the date set for opening of Tender.

Dated: _____ day of _____, 2025

Signature _____ in the capacity of _____

Authorized to sign tenders for & on behalf of _____
(IN CAPITAL LETTERS)

WITNESS:-

Signature: _____

Name: _____

Permanent Address: _____

Occupation: _____





FORM OF AGREEMENT



**FORM OF AGREEMENT**

This AGREEMENT made on _____ day of _____ 2025
between _____

_____ (hereinafter called "The
Employer") of the one part and _____
(hereinafter called "The Contractor") of the other part.

Whereas the Employer is desirous that certain Works should be constructed
viz. _____ and has accepted a
Tender by the Contractor for the construction completion and maintenance of such
Works.

NOW THIS AGREEMENT WITNESSED as follows:

1. in this Agreement words and expressions shall have the same meaning as are
respectively assigned to them in the Condition of Contract herein after
referred to.
2. the following documents shall be deemed to form and be read and
construed as part of this Agreement viz:
 - a) the said Agreement and Tender Documents
 - b) the Drawings and further drawings
 - c) the Specific Specification
 - d) the Bid Sheet and mode of Payment
 - e) the Letter of Acceptance
 - f) the correspondence and instructions issued from time to time during
execution of works.
3. in construction of the payment to be made by the Employer to the
Contractor as herein after mentioned the Contractor hereby covenants with
Employer to execute complete and maintain the works in conformity in all
respects with the provisions of the contract.
4. the employer hereby covenants to pay the Contractor in consideration of the
construction completion and maintenance of the Works at the contract
price at the times and in the manner prescribed by the Contract.





5. Witness whereof the parties hereto have caused their respective Common
Seals to be hereunto affixed (or hereunto set their respective hands and seals)
the days and years first above written

Signed By

Managing Director
Sui Northern Gas Pipelines Ltd.
21 Kashmir Road Lahore

Contractor
Signature with Seal

IN THE PRESENCE OF

Name _____	Name _____
Signature _____	Signature _____
Designation _____	Designation _____

WITNESS

Signature _____	Signature _____
Name _____	Name _____
Occupation _____	Occupation _____
Address _____	Address _____





SCHEDULE OF PAYMENT



MODE OF PAYMENT/PAYMENT SCHEDULE

Construction of Customer Service Center at Regional Distribution Office Abbottabad

Payment shall be made against each bill as per Bid Sheet/BOQ upon completion of respective Job associated with that specific bill strictly in accordance with the methodology/scope of works proposed in these tender documents.

NOTE:

1. These payments will be considered for approval/payment only after complete testing of the construction materials involved and other related tests specified in the tender documents, drawings and provisions of BOQ.
2. The quantities given in BOQ are only for reference however work to be carried out as per specification/drawings given in tender document and payment shall be processed as per the Mode of Payment.
3. ~~Minimum~~ PPC (Partial Payment Certificate) is 30% of Work Order Amount.





BILL OF QUANTITIES

**CUSTOMER SERVICE CENTER AT REGIONAL
DISTRIBUTION OFFICE ABBOTTABAD
SUI NORTHERN GAS PIPELINES LIMITED
(SNGPL)**

BOQ

General Abstract of Cost

Bill No	Description	Amount (Rs.)
1	Civil Works	
2	Plumbing & Mechanical Works	
3	Electrical Works	
4	Fire Alarm System	
5	Telephone and Data System	
6	CCTV System	
7	Queue Management System	
	XXXXXXXXXXXXXXXXXXXX	
	GRAND TOTAL AMOUNT	

15% KPST

Grand Total Amount



CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=6x5/4
		Bill Nr.1: Civil Works				
		Schedule Items				
1.1	3-21(1)(ii)	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)				
		1) By Manual				
		ii) in ordinary soil.	Cft	3,392.46		
1.2	3-15(i)	Filling, watering and ramming earth under floors:-				
		i) with surplus earth from foundation, etc.	Cft	1,375.55		
		ii) with new earth excavated from outside lead upto one chain (30 m)	Cft	7,082.77		
1.3	3-17(a,b,c)	Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m)				
		a) upto ¼ mile (400 m).	Cft	7,082.77		
		b) for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)	Cft	7,082.77		
		c) for every ¼ mile (400 m) additional lead or part thereof, beyond one mile (1.6 Km.) upto 5 mile (8 Km.)	Cft	7,082.77		
1.4	26-45	Spraying termite proofing by using liquid FMC/ Biflex/ Terminex Exin/ Ms Hextar or equivalent @ specified suspension concentrate (SC), Mixing Ability- HEXSTAR with Ratio (1:250) = 5405 ft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect. as approved by the Engineer Incharge.	Sft	3,205.10		
1.5	6-5 + 1-1	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
		(i) Ratio 1: 2: 4 (105 Km Lead on crush)	Cft	354.00		
		(i) Ratio 1: 4: 8 (105 Km Lead on crush)	Cft	611.39		
1.6	10-3	Supplying and filling sand under floor; or plugging in wells.	Cft	659.00		
1.7	6-13	Precast cement concrete solid or face blocks (1:2:4), including cost of templates.				
		Foundation	Cft	854.00		



CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=6x5/4
1.8	6-13	Precast cement concrete solid or face blocks (1:2:4), including cost of templates.				
		Ground Floor	Cft	1,850.00		
		Mumty Floor	Cft	355.00		
		Cement Concrete				
1.9		Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-				
		(a) (i) 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:- (105 Km Lead on crush)				
	6-6(a) +1-1	(2) Type B (nominal mix 1: 1½: 3)	Cft	2,438.60		
	6-6(c) +1-1	(a)(iii) Reinforced cement concrete in slab of rafts / strip foundation base slab of column and retaining walls; etc and footing beams other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (105 Km Lead on crush)				
		(2) Type B (nominal mix 1: 1½: 3)	Cft	674.50		
1.10	6-12	Providing and 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	10,381.72		
1.11	11-9(c)	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick	Sft	4,187.86		
1.12	11-9(b)	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	Sft	5,244.50		
1.13	11-10(b)	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height.				



CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=6x5/4
		b) 1:3	Sft	2,074.80		
1.14	13-31	Preparing surface and painting with emulsion paint:-				
		a) first coat	Sft	7,319.30		
		b) 2nd and each subsequent coat (two coats)	Sft	7,319.30		
1.15	13-33	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:				
		a) new surface				
		i) 1st coat	Sft	3,390.10		
		ii) 2nd coat	Sft	3,390.10		
1.16	25-52	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated 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"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	Sft	501.25		
1.17	25-53	Providing and fixing Aluminum Fly screen comprising of Fiber/ Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer/ powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	Sft	250.63		
1.18	25-58	Providing and fixing M.S. flat 1/2"x1/8" (13mm x 3mm) grill including 3/4" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	Sft	501.25		
1.19	12-52	P/F 1-1/2" thick solid flush door comprising of 2.5mm thick Deodar/ Ash/ Oak ply with grooves, compressed over 2.5mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, lower bolt, handles, glue, sawing charges and lacquer polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	Sft	70.00		
1.20	10-46(a)(iii)	Providing and laying superb quality Porcelain glazed tiles				



CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=6x5/4
		flooring of MASTER band 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) 600mmx 1200 mm	Sft	1,716.75		
1.21	10-38(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) 600mmx 1200 mm	Sft	124.28		
1.22	10-46(a)(ii)	Providing and laying superb quality Porcelain Matt tiles				
	Reduce Rs.15 per sft of Matt finishes	flooring of MASTER band 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 Matt tiles				
		(ii) 300mmx 600 mm	Sft	245.70		
1.23	10-38(a)(iii)	Providing and laying superb quality Porcelain Matt tiles of				
	Reduce Rs.15 per sft of Matt finishes	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 Matt tiles				
		(ii) 300mmx 600 mm	Sft	855.62		
1.24	10-38(a)(iii)	Providing and laying superb quality Porcelain Matt tiles of				
	Reduce Rs.15 per sft of Matt finishes	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.				



CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=6x5/4
		a) Full body Matt tiles (Wooden Texture Tile)				
		(ii) 300mmx 600 mm	Sft	266.06		
1.25	10-49	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/ Window Sills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.				
		i) China Verona	Sft	84.50		
1.26	10-52	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 mortar bed, complete in all respect as approved and directed by the Engineer Incharge				
		(i) 3/4" thick				
		Ground Floor	Sft	394.65		
1.27	9-48(iv)	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2' / 2'x3' / 3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1" at wall sides, galvanized tee 1 1/4"x1" and 1 1/2"x1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/ Copper wire 16 SWG, G.I hook, Rawal Plug etc. complete in all respects as approved and directed by the Engineer Incharge.				
		iv) 12 mm thick	Sft	1,995.00		
1.28	25-64	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chiniya) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs, 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gotties fixed on vertical post i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.				
		Ground Floor	Rft	61.00		
1.29	10-45(b)	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.				
		(50% Grey / 50% Coloured)				
		b) 60-mm thick	Sft	722.40		



CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=6x5/4
		Sub-Total				
		Non-Schedule Items				
1.2.30	N.S	P/Laying of 3/4" thick 12"x12" Terrazzo Tile made of approved Quality for roof treatment, laid over 1/2" thick (1:2) cement plaster over average 3" thick P.C.C (1:2:4) roof screeding in 4'x4' Paneling over polythene sheet (single layer 500 gauge & 3" overlap) over Insulation 1" thick (Extruded Polystyrene XPS in Rigid Insulation / Foam Board) layer with proper jointing arrangements as per manufacturer specification over two coats of approved bitumen @ 40 lbs. per 100 sft (total for both coats) & single coat of primer @ 30 lbs per 100 Sft complete in all respects.	Sft	2,026.50		
1.31	N.S	Providing and fixing of PVC Foam Board cabinet 3/4" thick with drawers 3" deep in Kitchen including handles hinges, screws etc., complete in all respects 2' deep, with back	Sft	70.53		
1.32	N.S	Providing and fixing 24" Deep Box type Wardrobe consisting of 3/4" thick PVC Foam Board Sheet both side glazed shutters and box comprising of 3/4" thick PVC Foam Board sheet i/c the cost of 1mm thick PVC tape duly hot pressed on all edges of the shutters/ panels/ drawers etc., with machine i/c the cost of self closing blum type hinges, handles, screws, Glue and rawal plugs, Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge	Sft	178.50		
1.33	N.S	Providing and fixing imported uPVC door, 104mm thick with matching frame 60mm thick, Sound Proof, Water Proof, Fire Proof complete in all respects including door lock as per instructions of the Engineer in charge	Sft	59.50		
1.34	N.S	Supply, Fabrication, & Installation of Double Leaf Door with wall 12mm clear Tempered Glass (Local), using 2mm thick Aluminium (H) section on top and bottom, u channel on sides Silver color, Floor Hinge machine (China), SS Handel set (18" Long) and Dead lock, complete in all respect as per direction/ satisfaction of the Engineer.	Sft	155.25		
1.35	N.S	Supply & Installation of 8mm tempered Glass fixing with 2" dia & 3.5" S.S pipe with clip including the cost of all accessories complete				



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SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=6x5/4
		in all respect as per direction/ satisfaction of the Engineer.	Sft	57.50		
1.36	N.S	Dismantling of Existing Structure HVAC room size 21'-6"x12'-6"				
		Material like Windows, ventilator, Doors, grill, railing, gate, rainwater				
		down pipe etc. and handover the useable items like Bircks, Door,				
		Windows, ventilator, grill, railing, gate, Electrical & HVAC items with				
		proper shifting/ stacking within office premises and advised by the				
		site incharge of SNGPL. The derbis shall be removed by the				
		contractor and disposed far away from office premises.	Job	1.00		
1.37	N.S	Dismantling of Existing Structure Disconnection Sales Record room				
		size 21'-9"x12'-6" Material like Windows, ventilator, Doors, grill,				
		railing, gate, rainwater down pipe etc. and handover the useable				
		items like Bircks, Door, Windows, ventilator, grill, railing, gate,				
		Electrical & HVAC items with proper shifting/ stacking within office				
		premises and advised by the site incharge of SNGPL. The derbis				
		shall be removed by the contractor and disposed far away from				
		office premises.	Job	1.00		
		Sub Total				
		Total for Schedule Items				
		Total for Non-Schedule Items				
		Total for Bill Nr.1 (Carried over to Summary of Price)				

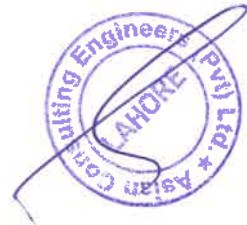


CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
		Bill Nr.2: Plumbing & Mechanical Works				
		Schedule Items				
2.1	19-16	Providing and fixing, chromium plated soap dish.	Each	3.00		
2.1	19-18	Providing and fixing, chromium plated toilet paper holder.	Each	3.00		
2.2	19-19	Providing and fixing, chromium plated towel rail:- i) 60 cm (24") long, and 2 cm (3/4") dia.	Each	3.00		
2.3	19-20	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	Sft	3.00		
2.4	19-3	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (fullsize)/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	3.00		
2.5	19-27	Providing and fixing chromium plated bib cock:- ii) 2 cm (3/4")	Each	3.00		
2.6	19-30	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	Each	4.00		
2.7	19-7	Providing and fitting glazed earthen ware wash hand basin / vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin	Each	3.00		
2.8	19-8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling	Each	1.00		
2.9	19-52	Providing and fixing CP bath Room Set made of Sonex/ Master/ Faisal comprising of 3 No Tee stop cocks, lever type Basin Mixer, doubleBibCock, open wallshower, Muslimshower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock ii) Lever Type Basin Mixer (iii) Double Bib Cock (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap	Each Each Each Each Each Each	4.00 4.00 3.00 3.00 3.00 4.00		
2.10	19-36	Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").	Each	2.00		



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SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
2.11	23-47	Providing, laying, testing and commissioning of POLYPROPYLENE, RANDOM COPOLYMER (PPRC) water supply pipe (Dadex/Popular/ Beta or equivalent) with specified pressure rating PN 20 (PRESSURE NOMINAL) and conforming to DIN8077-8078 code/cost of solvent, specials, making joints complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned).				
		b) PN-20 pipe				
		(iii) 1" 32 mm	Rft	50		
		(iv) 1-1/4" 40 mm	Rft	80		
		(v) 1-1/2" 50 mm	Rft	200		
		(vi) 2" 63 mm	Rft	10		
2.12	23-51	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hetersly (UK) or Scon (Pakistan) i/c the cost of all accessories flanges,nut/ bolt and gasket where required complete in all respect as approved and directed by the Engineer Incharge.				
		(a) Brass Threaded Valves				
		(iii) 1" dia	Each	3.00		
		(iv) 1-1/4" dia	Each	3.00		
		(v) 1-1/2" dia	Each	3.00		
		(vi) 2" dia	Each	1.00		
2.13	23-47	Providing, laying, testing and commissioning u-PVC (Un plasticized Polyvinyl Chloride) Schedule pipe of nominal diameter, Dadex/ Popular/ Beta or approved equivalent manufacturer, i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.				
		b) Schedule 80				
		(vi) 2"	Rft	60		
		(vii) 3"	Rft	40		
		(viii) 4"	Rft	45		
		(ix) 6"	Rft	120		
2.14	23-42	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/ Popular/ HL or approved equivalent manufacturer, including the cost of specials, in trenches, as approved & directed by the engineer incharge, complete in all respects.				
		c) PN-10 (SDR-17)				
		4) 50 mm	Rft	30		
		Sub-Total				
		Non-Schedule Items				
		MISCELLANEOUS				



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SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
2.15	N.S	Providing and fixing uPVC floor trap including concrete chamber all around including 6" x 6" C.P brass one side hinged floor jali approved and directed by the Engineer incharge.	Each	5		
2.16	N.S	Providing and fixing Flexible pipe 2ft long from tee stop cock to mixer of Local quality of approved by the Engineer incharge complete in all respects including all fittings	Each	2		
2.17	N.S	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 (Ambassador/Canon) or approved equivalent manufacturer i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer incharge.				
		12 Gal capacity	Nos	2		
		25 Gal capacity	Nos	1		
2.18	N.S	Providing & installation of following ton Split DC Inverter AC. Complete in all respect as per Engineer,s instructions				
		i) 1.5 ton	Each	1		
		ii) 2 ton	Each	1		
		iii) 2 ton	Each	1		
2.19	N.S	Providing & installation of copper referegerant AC pipes between outdoor and indoor unit complete with fittings and accessories and Complete in all respect as per Engineer,s instructions	RFT	50		
2.20	N.S	Providing & installation of copper referegerant pvc conduit pipes for condensate drains complete with fittings and accessories and Complete in all respect as per Engineer,s instructions	RFT	100		
		Sub-Total				
		Total for Schedule Items				
		Total for Non-Schedule Items				
		Total for Bill Nr.2 (Carried over to Summary of Price)				



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SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

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Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount	Rs.
1	2	3	4	5	6	7=5x6	
		Bill Nr.3: Electrical Works					
		Schedule Items					
3.1	24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting barriers, and repairing surface, etc., complete with all specials					
	ii)	20 mm i/d)	Rft	560			
	iii)	25 mm i/d)	Rft	390			
	vi)	50mm i/d)	Rft	50			
3.2	24-11	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc.					
	i)	1.5 mm ² (3/0.029") For Point wiring	Rft	1,680			
	iii)	2.5 mm ² (7/0.029") For Circuit wiring	Rft	870			
	iv)	4 mm ² (7/0.036") For Power Wiring	Rft	870			
	v)	6 mm ² (7/0.044") For AC Wiring	Rft	300			
3.3	24-13	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-					
	c	PVC Insulated PVC Sheathed 4 Core 600/1000 V non armoured cable (Power Cable for DBLP-CSC-GF)					
	v)	25 mm sq (19/0.052)	Rft	50			
3.4	24-12	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):-					
	c	450/750 volts, PVC Insulated:					
	vii)	16 mm sq (7/0.064") (Earth Copper Conductor)	Rft	50			
3.5	24-108	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of H/Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge					
	a	One way Gange Switch (Small)					
	i)	01 Gange	Each	1			
	ii)	02 Gange	Each	2			
	iii)	03 Gange	Each	3			
	iv)	Three pin Light Plug 10/13 Amp	Each	5			



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SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=5x6
	(viii)	Three Pin Power Plug 15-32 Amp	Each	20		
	b	One way Gange Switch (Large)	Each	4		
	(i)	04 Gange	Each	2		
	(iii)	06 Gange	Each			
3.6	24-105	Providing and fixing Copper Winded Exhaust Fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge.				
	a)	Plastic body				
	ii)	12" dia	Each	4		
		Sub-Total Schedule Items				
		Non-Schedule Items:				
3.7	N.S	Distribution Board (DBLP-CSC-GF): Fabrication, supply at site installation and commissioning of 16 SWG mild steel sheet fabricated distribution board, free standing wall mounting, indoor type, front access, insulation class 600 Volts, incoming and outgoing connections from top or bottom as per site requirement, door to body earth with flexible copper cable suitable for 415V AC, 3 Phase 4 wire, 400/230 50Hz TPN&E system having rated service short circuit breaking capacity as mentioned in the details. Complete in all respects as per the satisfaction of the engineer and single line diagram. Detail of DBLP-CSC-GF: Incoming: 01 No. 63 A TP MCCB RC:20 kA 01 No. Digital Ampere Meter 0-100A With Selector Switch 01 No. Digital Volt Meter 0-600VAC With Selector Switch 03 Nos. Control Fuse for protection 03 Nos. Indication Lamp (R+Y+B) 01 Job. Brass Cable Gland for Incoming Cable Outgoing: 06 Nos. 10 A SP MCB RC:06 kA for Light Circuits 10 Nos. 20 A SP MCB RC:06 kA for Power Circuits and AC Complete in all respect as per single line diagram.	Each	1		
3.8	N.S	Supply at site, installation and commissioning of 2' x 2' ceiling recessed fans with hanging support. Complete in all respects.	Each	5		
3.9	N.S	Supply, installation and commissioning of 2' x 2' floor box with 2 Nos 13A power sockets and 1 No RJ-45 data point and 1 No RJ-45				



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SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	3	4	5	6	7=5x6
		telephone point. Complete in all respects.	Each	7		
3.10	N.S	Supply at site & installation of PVC back boxes compatible with switch & socket plates to be installed.				
	a)	Back Box: 3" x 3"	Each	35		
	b)	Back Box: 3" x 6"	Each	2		
	c)	MS Junction Box 9" x 7" for general use	Each	1		
3.11	N.S	Light Fixtures:				
		Supply, installation, testing & commissioning of following various types of LED lights:				
	a)	Ceiling mounted 18 Watt LED Down Light	Each	4		
	b)	Ceiling mounted 12 Watt LED Down Light	Each	8		
	c)	Wall Mounted Light 12 Watt LED	Each	4		
	d)	Water Tight LED Bulkhead Light 18 W	Each	9		
	e)	Mirror Light 12 Watt	Each	3		
	f)	LED Panel Light 1'-0" x 4'-0" 36 W	Each	20		
3.12	N.S	Supply, installation, testing and commissioning of complete earthing system for the distribution board. The work shall include 3 meter long copper rod of 20 mm dia size with bare copper conductor 2x50 mm sq ssc upto earth connecting point, inspection chamber, etc to achieve less than 2.5 ohm specified earthing results. Complete in all respects as per drawing and specifications or as directed by the Engineer	Each	2		
		Sub-Total Non-Schedule Items				
		Total for Schedule Items				
		Total for Non-Schedule Items				
		Total for Bill Nr. 3				
		(Carried over to Summary of Price)				



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SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	2	4	3	5	6=3x5
		Bill Nr.4: Fire Alarm System				
		Schedule Items				
4.1	24-3	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 with all specials.				
		iii) 25 mm i/d)	Rft	230		
4.2	24-164	Supply, Installation and commissioning of wiring with specified Fire Resistant Shielded Cable (Fire Rating for 2 hours) of required size from respective DB to Fire Alarm FACP (Fire Alarm Control Panel) in prelaid conduit/duct. Make Pony / Belden/ Covican (Italy) or equivalent as approved and directed by the Engineer Incharge.				
		(iii) 3C, 2.5 mm sq	Rft	230		
4.3	24-165	Supply, Installation and commissioning with Addressable Break Glass unit, (Manual Call Point) with key type EN-54 having a built in short circuit isolator and microprocessor to ensure a response time of max. 1 second, having an indication LED flash after pressing the button to acknowledge the activation and a key operation facility for testing purposes. made of Honeywell/ Bosch/ Eaton (UK) or as approved and directed by the Engineer Incharge.	Each	2		
4.4	24-166	Supply, installation and commissioning of Addressable Type Indoor Loop Powered electronic Sounder/Flasher/Bell EN-54 with minimum sound output 100dB at 1 meter with frequencies of variety of sounds as required and shall be loop wired and loop signaled, built in short circuit isolator, configured via software. Made of Honeywell/Bosch/ Eaton (UK), as approved and directed by the Engineer Incharge.				
		(i) with Buzzer	Each	2		
4.5	24-167	Supply, installation and commissioning of Addressable Optical Smoke Detectors EN-54, incorporating an LED indication located in labyrinth with in the housing of the detector. Sensing unit, adjustable via software between 090 seconds having built in short circuit isolators on both inputs. make Honeywell/ Bosch/ Eaton (UK), including the				



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SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	2	4	3	5	6=3x5
		cost of all other accessories as required, approved and directed by the Engineer Incharge.				
		(ii) Dual Detector	Each	6		
4.6	24-170	Supply, installation and commissioning of wired/ wireless Addressable Microprocessor based Fire Alarm Control Panel (FACP) capable of PC interface with window conforming to EN-54, consisting of specified loop circuits having 240 devices per loop, indicating circuits, built in power supply with back up batteries, alarm and trouble indication, silence alarm and reset system, general alarm and reset system, general alarm facility. Made of Eurotech Fire UK, Notifire USA, Simplex USA. Complete in all respect as approved and directed by Engineer Incharge				
		(i) FACP 1-Loop	Each	1		
		Sub-Total				
		Total for Schedule Items				
		Total for Bill Nr.4 (Carried over to Summary of Price)				



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Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	2	3	4	5	6=3x5
		Bill Nr.5: Telephone & Data System				
5.1	24-3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting barriers, and repairing surface, etc., complete with all specials.				
		ii) 25 mm i/d(1") for Telephone and Data points	Rft	300		
5.1	24-111	Supply, installation and commissioning of wiring with 4-pair data cable, 23 AWG UL/EN listed cable. Conforming to the following standards: TIA/EIA 568/ ISO/IEC11801, inprelaid conduit / cabletray from including all accessories, Manufacturer/OEM Authorization, Make: Schneider / i-connect UK/ 3M Corning USA/ D-Link/ Pollo Australian or equivalent complete in all respects approved and directed by Engineer Incharge.				
	(a)	UTP (Unshielded Twisted Pair)				
		(i) CAT-6 (Min.1G @ 250MHz or higher) for Telephone and Data	Rft	600		
5.2	24-117	Supply, Installation and Connection of Data switch, 10/100/1000 Mbps with SFP UPLINK made of Cisco USA/NOVAS Europe/Juniper USA/Huawei/H3C Pollo Australian or equivalent as approved and directed by the Engineer incharge.				
		(ii) 12 Ports,(PoE)	No.	1		
5.3	24-113	Supply, Installation and commissioning of wiring with fiber optic cable with Unitube, Light-Armoured Cable, Single-Mode, OS2, of specified Core, 9 µm, in pre laid conduit or cable tray etc. from Fiber switch to Fiber Switch in ODF Panel, including all accessories, made of Schnider/i-Connect UK/ Panduit USA Pollo Australia or equivalent as approved and directed by the Engineer Incharge.				
		i) 12 Core from FTTH to OMT	Rft	50		
5.4	24-136	Supply, Installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated I/O: Option 1:RJ-11 with RJ45/ 8P8C I/Os supporting either Cat6 or Cat6a cables as required by projectOption 2: Two RJ45/8P8C I/Os supporting either Cat6 or Cat6a cables as required by project.				
		ii) Double I/O	Each	7		
5.5	24-115	Supply, installation and connections of CAT-6A UTP (Unshielded Twisted Pair), patch cord of specified length, Factory Fabricated and UL Listed with anti Snag Boots- Gold over nickel plated made of Schneider, Pollo Australia or equivalent approved manufacturer and directed by Engineer Incharge .				
		ii) 3 Meter Patch Cord	Each	7		



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BOQ

Sr.Nr.	MRS Input Rates 2024 1st BiAnnual	Description	Unit	Qty	Unit Rate	Amount Rs.
1	2	2	3	4	5	6=4x5
		Bill Nr.7: Queue Management System				
		Non-Schedule Items:				
7.1	N.S	Supply, installation, testing and commissioning of the queue management system of the following description:				
		Complete in all respects including all associated items.				
	1	Spectra Controller (Qty:1)				
	2	Tri Color LED Dot-Matric (Qty:5)				
	3	Web TSU Software for Tellers (Qty:5)				
	4	Ticket Dispense (10" LCD B-19) (Qty:1)				
	5	Active Hub (Qty:1)				
	6	Audio Amplifier (Qty:1)				
	7	Audio Speaker (Qty:6)				
	8	Donatello Media Processor (Qty:2)				
	9	40" LED (Qty:3)				
	10	Cabling (Power + Audio + Network) (Qty:1)	Job	1		
		Sub-Total				
		Total for Non-Schedule Items				
		Total for Bill Nr.4				



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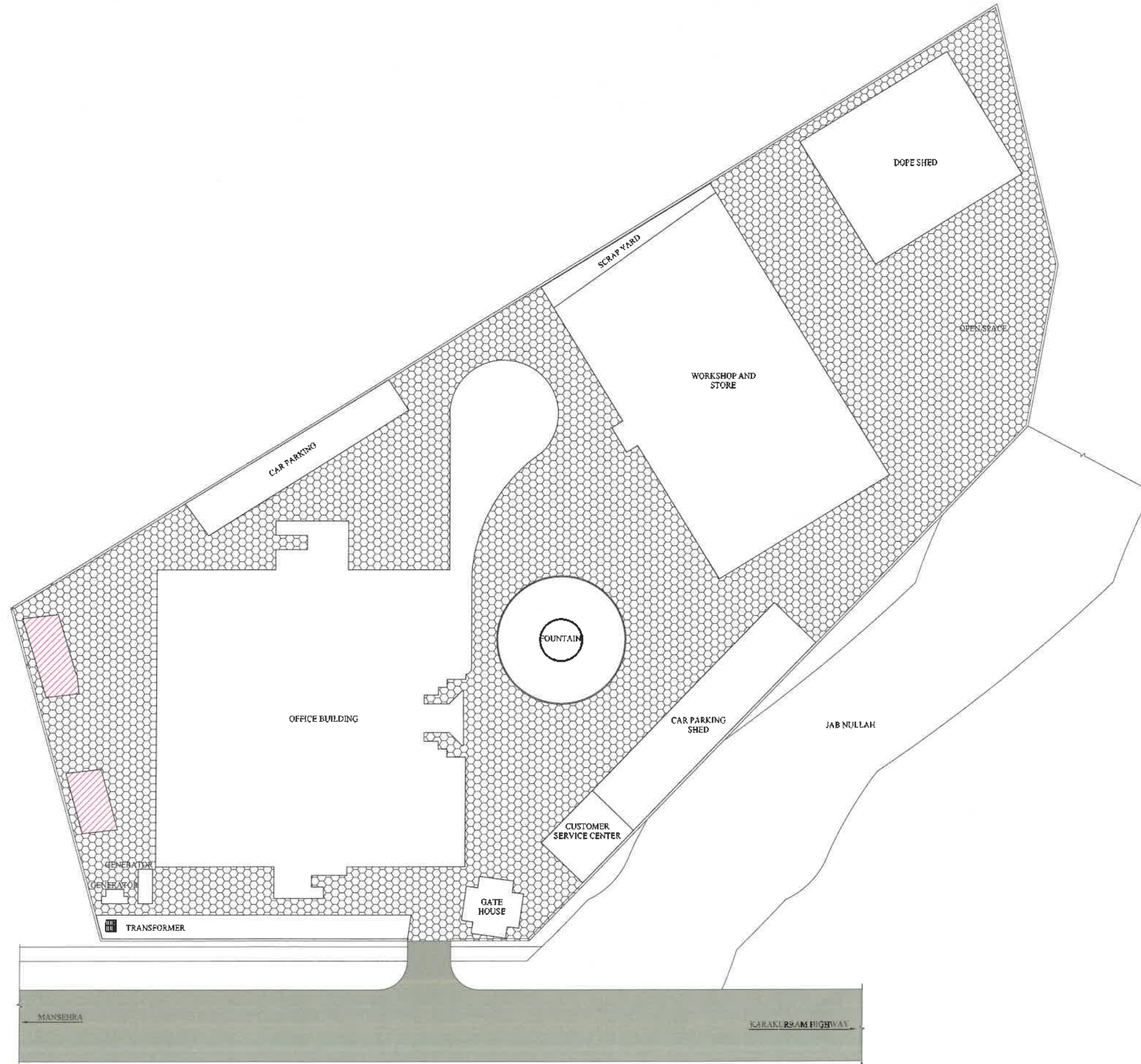
APRIL, 2024



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LIST OF DRAWINGS					
Sr. Nr.	Description	Drg.Nr.	Sr. Nr.	Description	Drg.Nr.
	Civil Works				
			21	Coordination Layout Plan Ground Floor	SNGP-CSC-AB-E-02
1	Existing Site Plan	SNGP-CSC-AB-C-01	22	Lighting Layout Plan Ground Floor	SNGP-CSC-AB-E-03
2	Demolish Plan	SNGP-CSC-AB-C-02	23	AC & Power Layout Plan Ground Floor	SNGP-CSC-AB-E-04
3	Site Plan	SNGP-CSC-AB-C-03	24	Fire Alarm System Layout Plan Ground Floor	SNGP-CSC-AB-E-05
4	Ground Floor Plan	SNGP-CSC-AB-C-04	25	Data, Telephone & CCTV System Layout Plan Ground Floor	SNGP-CSC-AB-E-06
5	Roof Plan	SNGP-CSC-AB-C-05	26	Public Address System Layout Plan Ground Floor	SNGP-CSC-AB-E-07
6	Front,Side Elevation & Section	SNGP-CSC-AB-C-06	27	Lighting Layout Plan Mumty Floor	SNGP-CSC-AB-E-08
7	Furnirure Layout Ground Floor Plan	SNGP-CSC-AB-C-07	28	Single Line Diagram Layout Plan Of DBLP-CSC-Ground Floor	SNGP-CSC-AB-E-09
8	Flooring Pattern Ground Floor Plan	SNGP-CSC-AB-C-08			
9	Doors Window Elevation & Schedule	SNGP-CSC-AB-C-09		Plumbing Works	
10	Toilet Details	SNGP-CSC-AB-C-10	29	Legend Plumbing	SNGP-CSC-AB-P-01
11	Typical Details-I	SNGP-CSC-AB-C-11	30	External Sewerage Layout Plan	SNGP-CSC-AB-P-02
12	Typical Details-II	SNGP-CSC-AB-C-12	31	Sewerage Layout Plan Ground Floor	SNGP-CSC-AB-P-03
	Structure Works		32	Roof Drainage & Septic Tank Detail	SNGP-CSC-AB-P-04
13	Foundation Layout Plan	SNGPL-CSC-AB-S-01	33	Water Suplly Layout Plan Ground Floor	SNGP-CSC-AB-P-05
14	Foundation Sectional Details	SNGPL-CSC-AB-S-02	34	Water Suplly Layout Plan Roof Top	SNGP-CSC-AB-P-06
15	Plinth Beam layout Plan & sectional Details	SNGPL-CSC-AB-S-03	35	Miscellaneous Details	SNGP-CSC-AB-P-07
16	Lintel Beam layout Plan & sectional Details	SNGPL-CSC-AB-S-04	36	Manhole Type-A,B Sluice Valve Chamber & Gully Trap	SNGP-CSC-AB-P-08
17	Roof Slab Reinforcement Plan & Sectional Details	SNGPL-CSC-AB-S-05			
18	Mumty Slab Reinforcement Plan	SNGPL-CSC-AB-S-06		Mechanical Works	
19	Septic Tank Structural Details	SNGPL-CSC-AB-S-07	37	General Notes & A-C Details	SNGP-CSC-AB-ME-01
	Electrical Works		38	A-C Layout Plan Ground Floor	SNGP-CSC-AB-ME-02
20	Electrical Legends, Notes & Earthing Detail Layout Plan	SNGP-CSC-AB-E-01			





SITE LAYOUT PLAN
S.N.G.P.L DISTRIBUTION OFFICE ABBOTTABAD

LEGEND:

DEMOLISH AREA

DEMOLISH PLAN

SCALE:- 1/24" = 1'-0"



SNGPL
TITLE: CUSTOMER SERVICE CENTER
DEMOLISH PLAN

ORIGINAL: DATE: SCALE:

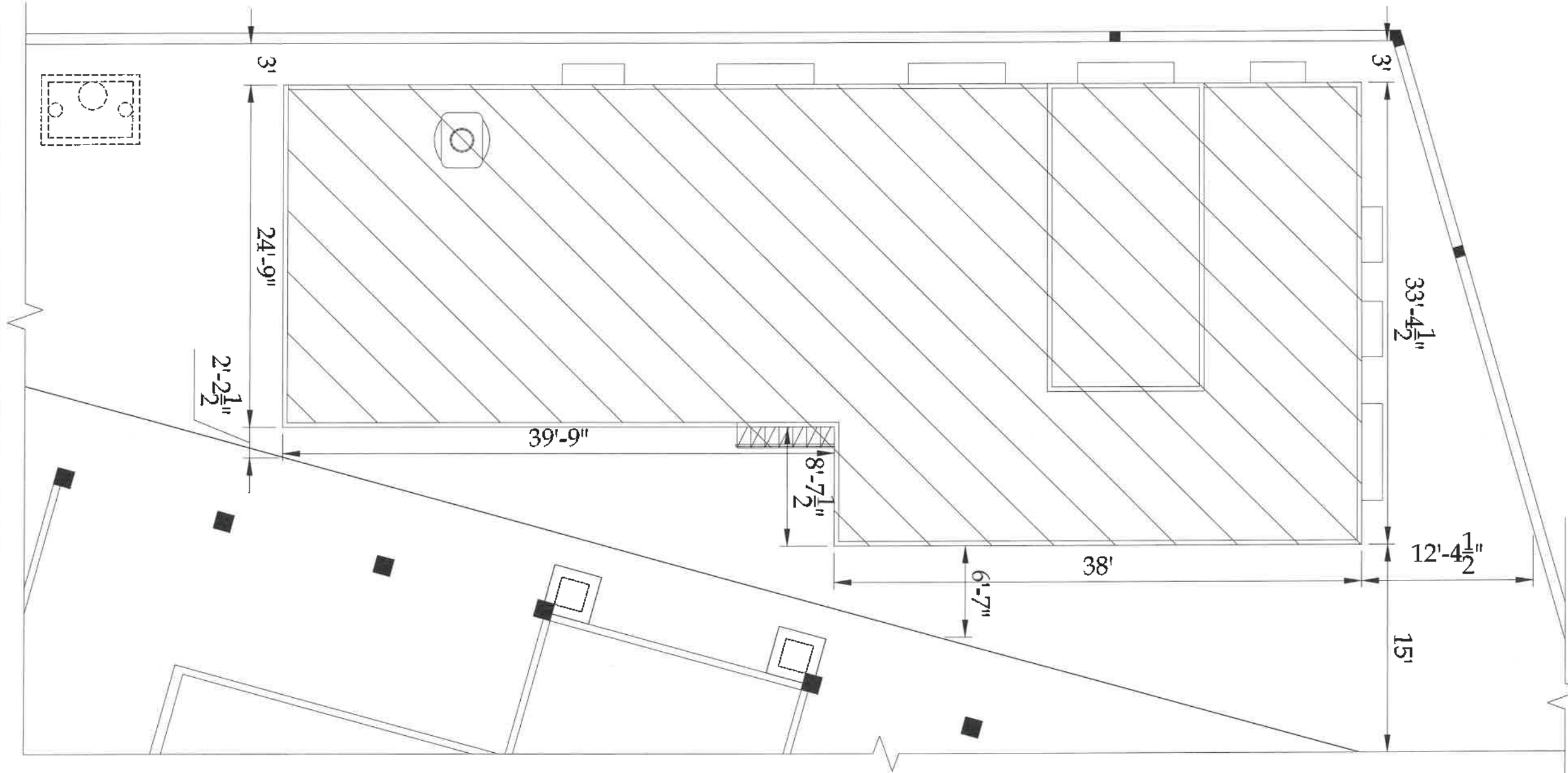
ISSUE NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
01	20-05-2024	DETAIL DESIGN	JAWED	ALI	ALI
02	16-06-2024	REVISION DRAWINGS	JAWED	ALI	ALI

DRAWING NO: SNGPL-CSC-AB-C-02
SHEET 00
REV 00

PROJECT:
CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT) LTD.
C-5 JHELIUM BLOCK, GREEN PARK-II, LAHORE, PAKISTAN
TELEPHONE: +92 42 3540914-5 +92 301 42-1101
FAX: +92 42 3540918 WEB: www.asianpk.com



SNGPL
TITLE: CUSTOMER SERVICE CENTER
SITE PLAN

REVISION	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
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02	18-04-2024	TECHNICAL DRAWINGS	JAWAD	REHMAN	REHMAN

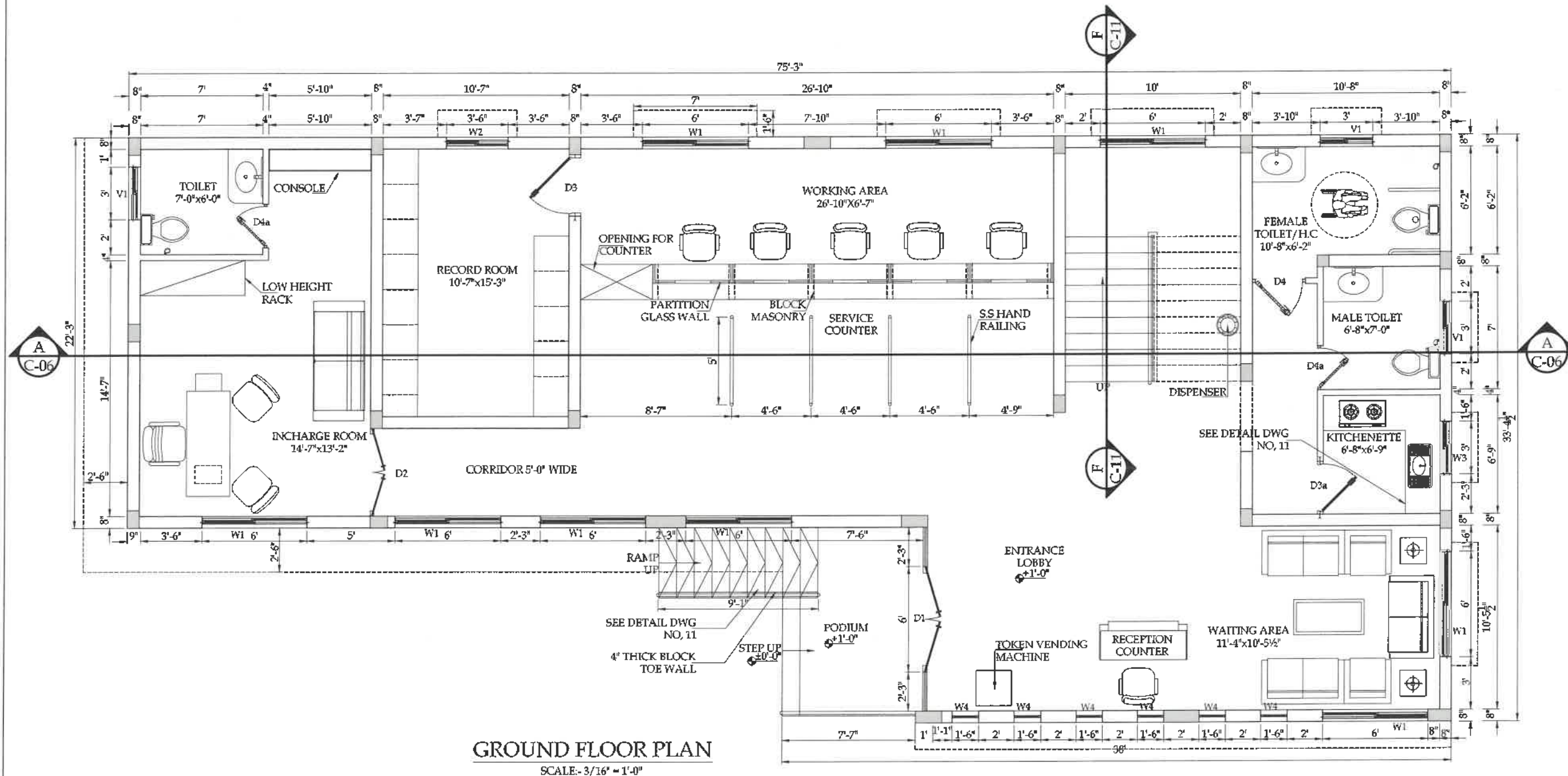
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SHEET	00	REV	00
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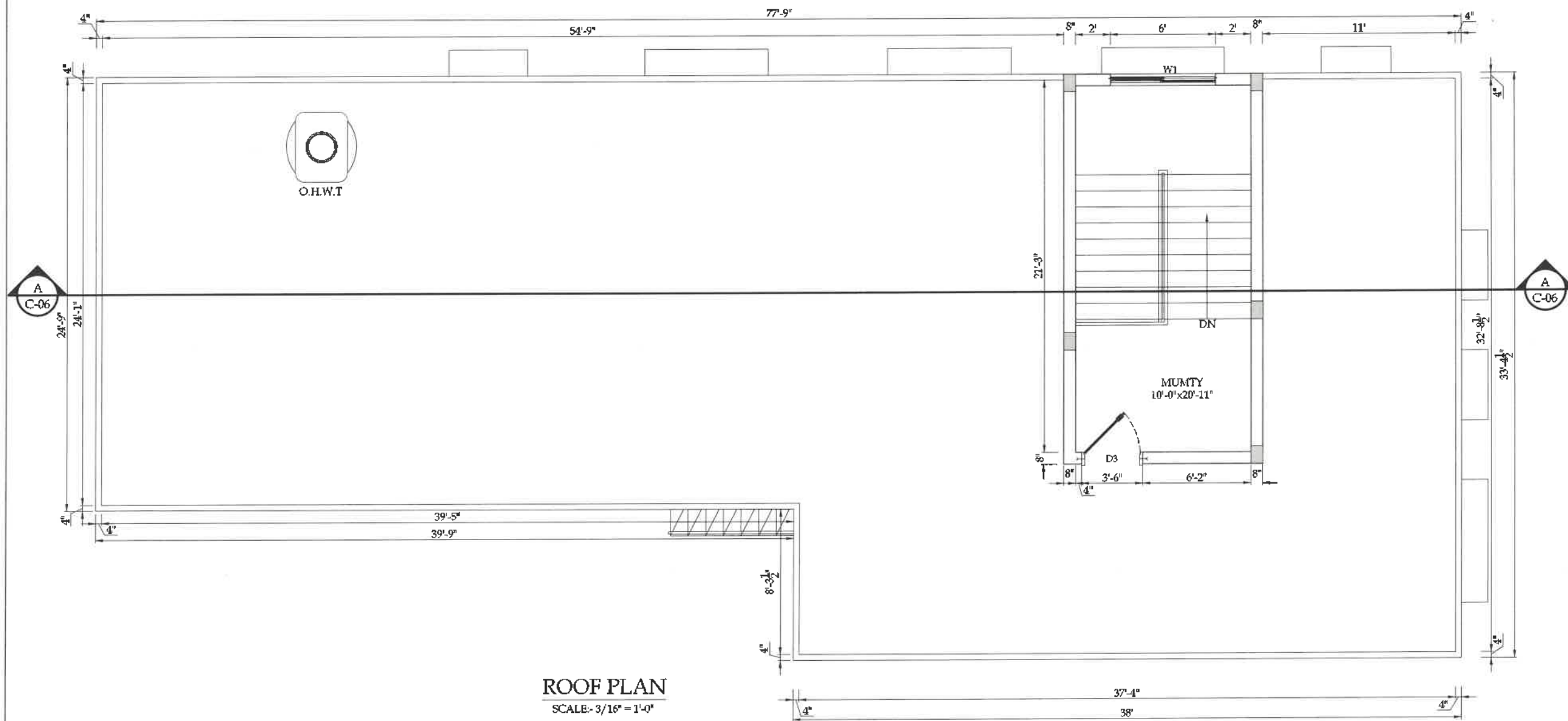
PROJECT:
CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT) LTD.
C-3 JHELLUM BLOCK, GREEN FORT, LAHORE, PAKISTAN
TELEPHONE: +92 42 3540944-5 +92 32 142 71151
FAX: +92 42 3540916 WEB: www.asiancon.com



SNGPL					
TITLE CUSTOMER SERVICE CENTER GROUND FLOOR PLAN					
ORIGINAL		DATE		SCALE:	
A2		JANUARY, 2024			
ISSUE NO.	DATE	DESCRIPTION		DESIGN	APPROVED
01	20/09/2024	DETAIL DESIGN		DESIGNED	FILED
02	16-04-2024	TENDER DRAWINGS		DESIGNED	FILED
DRAWING NO:				SHEET	REV
SNGPL-CSC-AB-C-04				00	00
PROJECT:					
CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD					
CLIENT:					
 Sui Northern Gas Pipelines Limited SNGPL					
CONSULTANT:					
 ASIAN CONSULTING ENGINEERS PVT.LTD C-3 JHELLUM BLOCK GREEN FORT LAHORE PAKISTAN TELEPHONE: +92 42 35459944-5 +92 32 1427 1101 FAX: +92 42 35459915 WEB: www.asiancet.com					

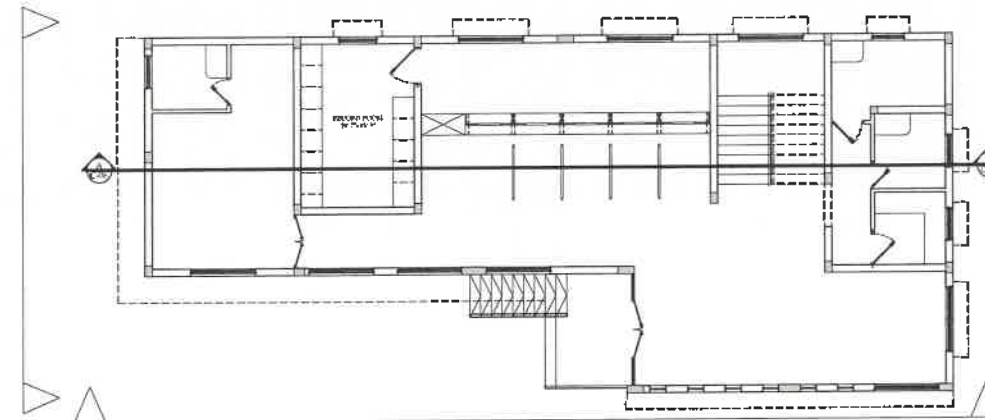


SNGPL		TITLE: CUSTOMER SERVICE CENTER	
ROOF PLAN			
ORIGINAL	DATE	SCALE	
AS	JANUARY, 2024		
REVISION	DATE	DESIGNED BY	APPROVED BY
01	20-02-2024	DETAIL DESIGN	JAMROD
02	16-04-2024	TENDER DRAWINGS	JAMROD
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-C-05		06	00
PROJECT:			
CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
 Sui Northern Gas Pipelines Limited			
CONSULTANT:			
 ASIAN CONSULTING ENGINEERS (PVT.) LTD. C-3 JHELLUM BLOCK, OPPOSITE PORT-8, LAHORE, PAKISTAN TELEPHONE: +92 42 35480145 +92 32 445 7110 FAX: +92 42 35480146 WEB: www.asianco.com			

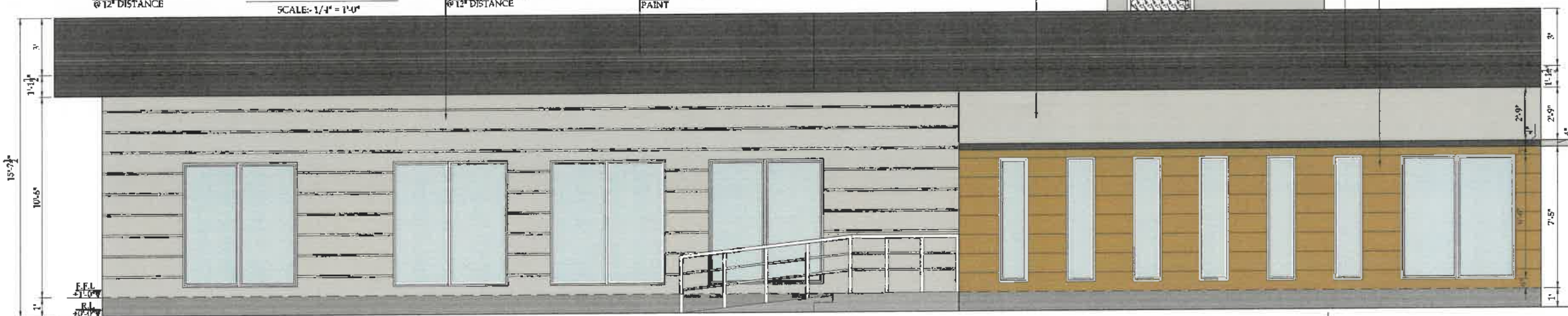


SIDE ELEVATION

SCALE: 1/4" = 1'-0"

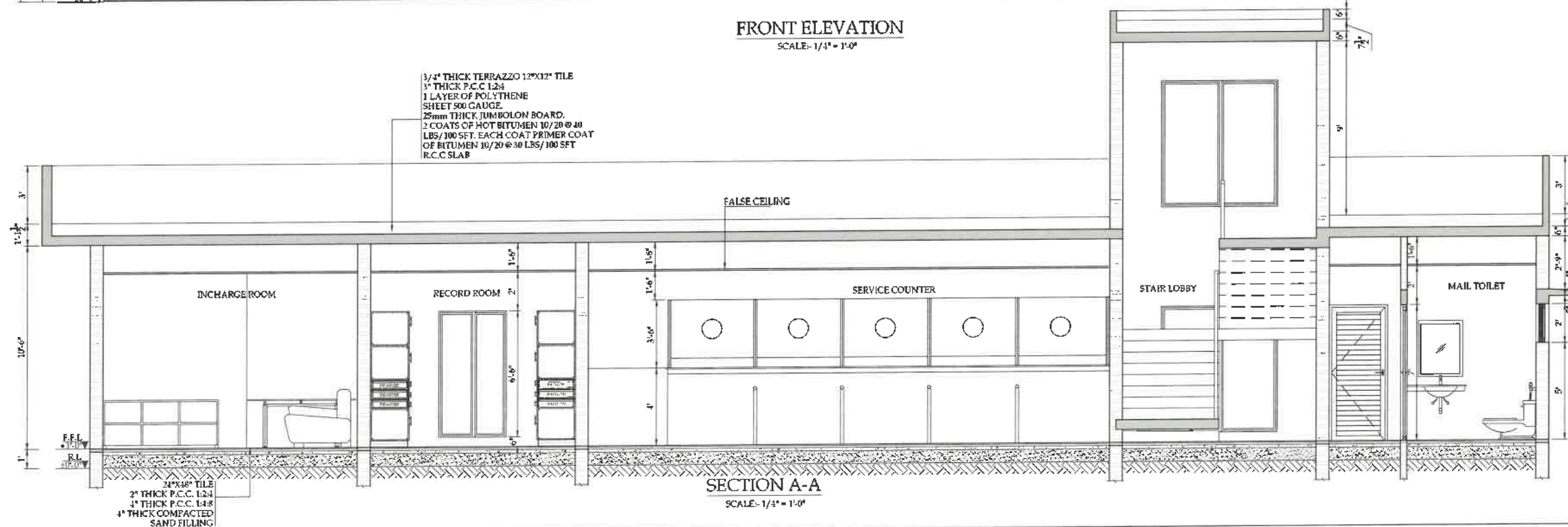


KEY PLAN



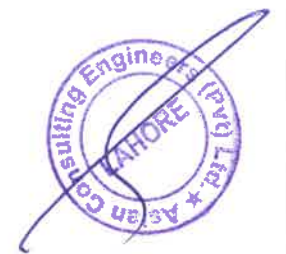
FRONT ELEVATION

SCALE: 1/4" = 1'-0"

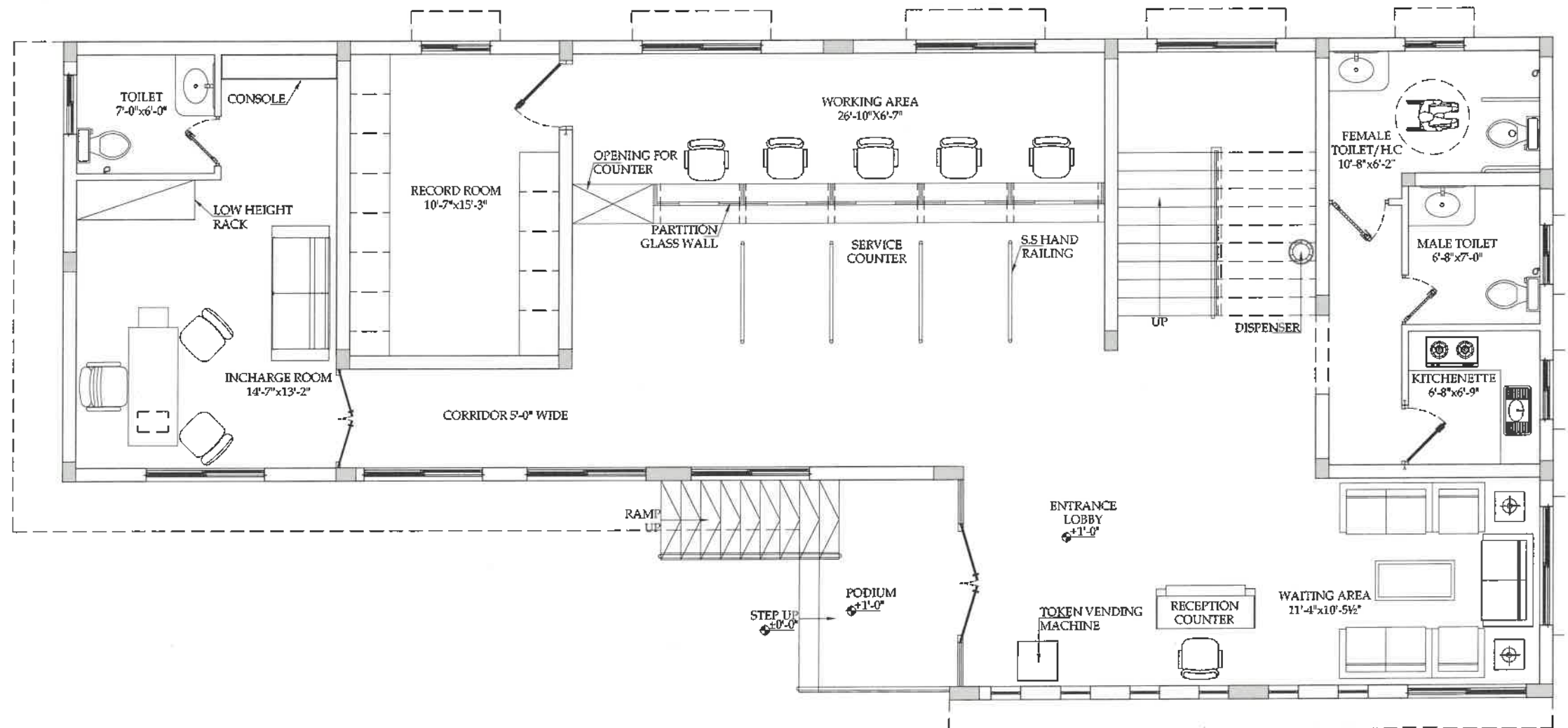


SECTION A-A

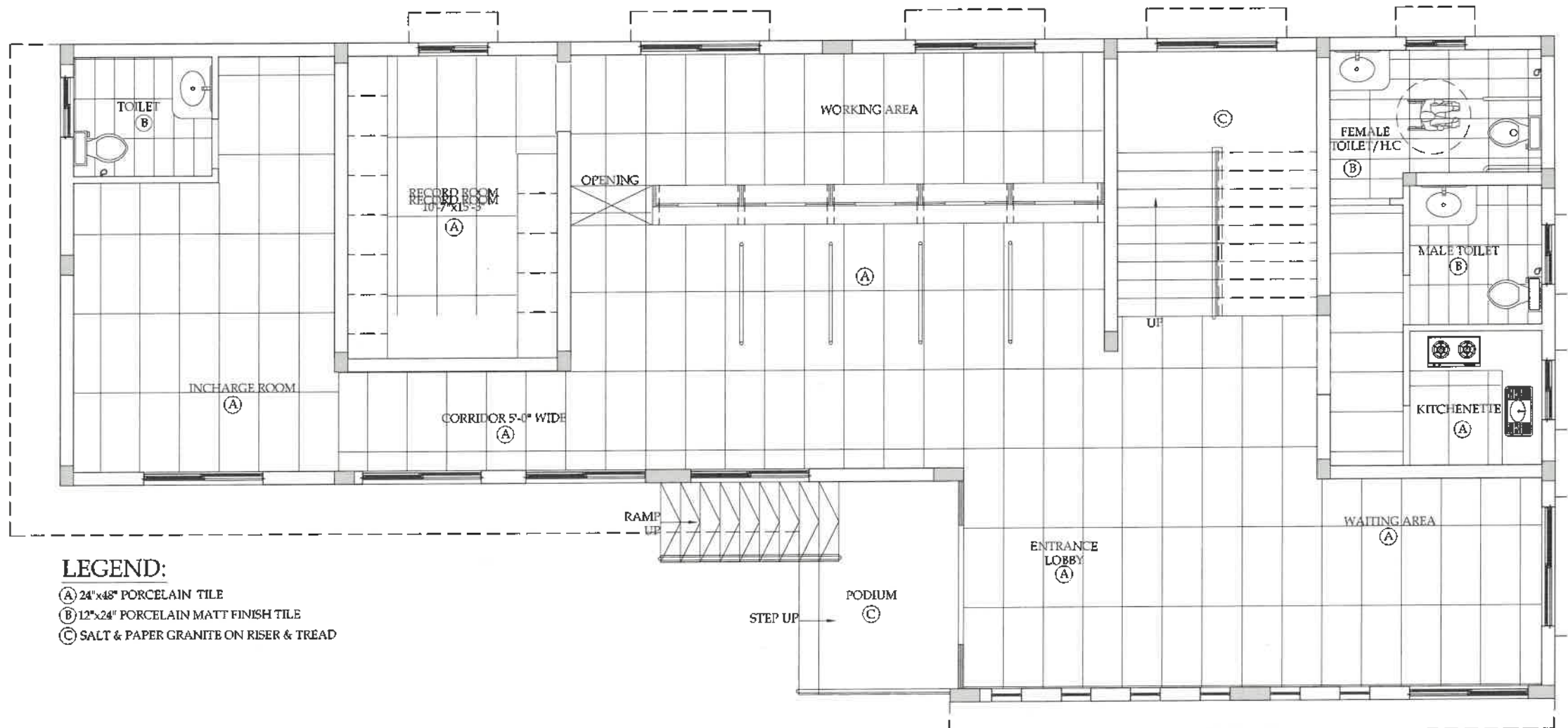
SCALE: 1/4" = 1'-0"



SNGPL			
TITLE: CUSTOMER SERVICE CENTER			
FRONT, SIDE ELEVATION & SECTION			
ORIGINAL	DATE	SCALE	
A2	JANUARY, 2024		
ISSUE NO.	DATE	DESCRIPTION	APPROVED
01	28-02-2024	DETAIL DESIGN	APPROVED
02	14-04-2024	TENDER DRAWINGS	APPROVED
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-C-06		00	00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
			
CONSULTANT:			
			



SNGPL					
TITLE: CUSTOMER SERVICE CENTER					
FURNITURE LAYOUT					
GROUND FLOOR PLAN					
DATE:	A2	DATE:	JANUARY, 2024	SCALE:	
NO.	DATE	DESCRIPTION	DESIGNED	APPROVED	
01	28-03-2024	DETAILED DESIGN	DESIGNED	APPROVED	
02	18-04-2024	TOPIC DRAWINGS	DESIGNED	APPROVED	
DRAWING NO:			SHEET	REV	
SNGPL-CSC-AB-C-07			00	00	
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD					
CLIENT:					
 Sulaiman Gas Pipeline Limited					
CONSULTANT:					
 ASIAN CONSULTING ENGINEERS PVT. LTD. C-3 JHELUM BLOCK, GREEN FORT-2, LAHORE, PAKISTAN TELEPHONE: +92 42 5540014-5 +92 30140211103 FAX: +92 42 5540016 FAX: +92 30140211103					

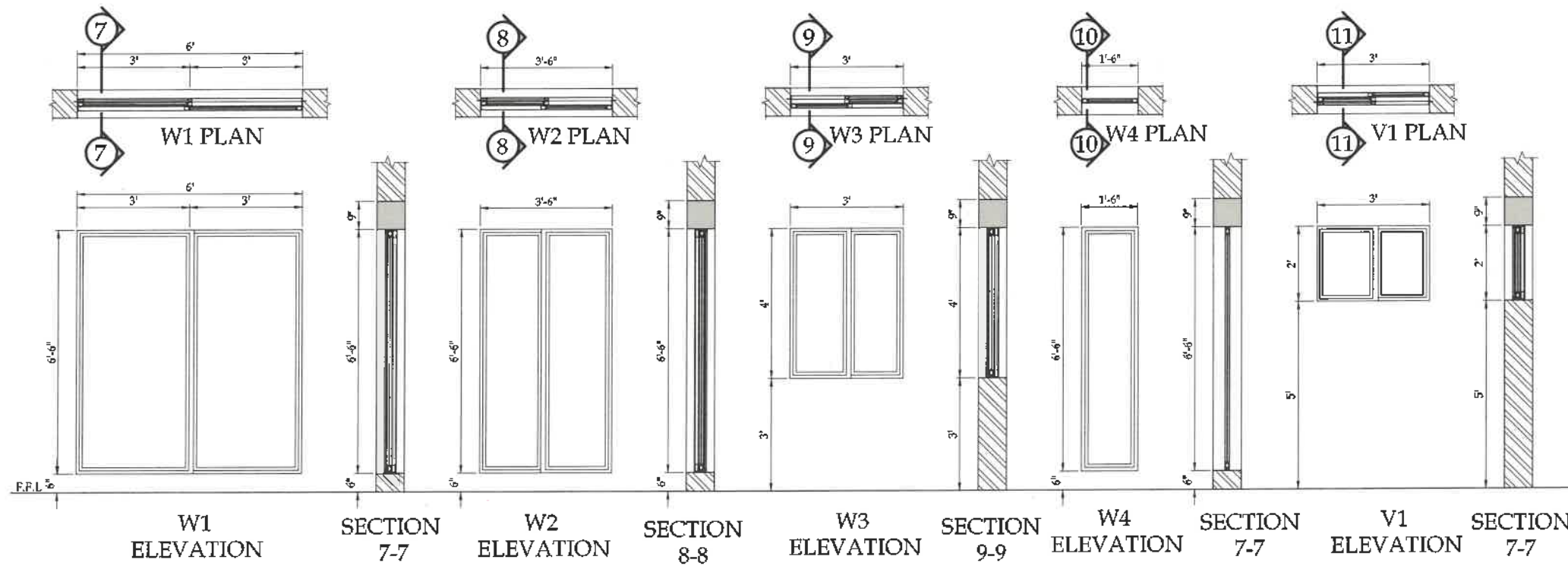
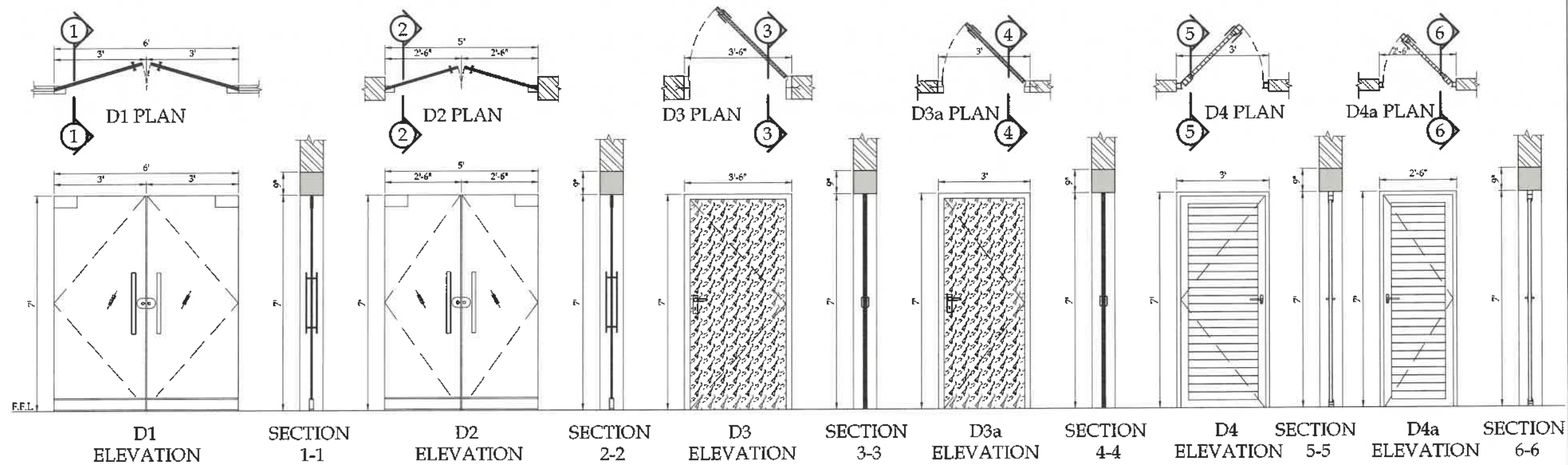


LEGEND:

- (A) 24"x48" PORCELAIN TILE
- (B) 12"x24" PORCELAIN MATT FINISH TILE
- (C) SALT & PAPER GRANITE ON RISER & TREAD



SNGPL					
TITLE: CUSTOMER SERVICE CENTER					
FLOORING PATTERN					
GROUND FLOOR PLAN					
ORIGINAL:		DATE:		SCALE:	
A2		JANUARY, 2024			
DATE	DESCRIPTION	OTHERS	DESIGNED:	APPROVED:	
01-20-03-2023	DETAIL DESIGN	JAWAD	ALI	ALI	
02-15-04-2024	RENDER DRAWINGS	JAWAD	ALI	ALI	
DRAWING NO:			SHEET		REV
SNGPL-CSC-AB-C-08			00		00
PROJECT:					
CUSTOMER SERVICE CENTER AT					
REGIONAL DISTRIBUTION OFFICE					
ABBOTTABAD					
CLIENT:					
 Sui Northern Gas Pipelines Limited SNGPL					
CONSULTANT:					
 ASIAN CONSULTING ENGINEERS (PVT.) LTD. C-3 JHELM BLOCK, GREEN PORT, LAHORE, PAKISTAN TELEPHONE: +91 42 3645014-5 +92 32 142 71191 FAX: +92 42 3645016 WEB: www.asiancon.com					



DOORS SCHEDULE

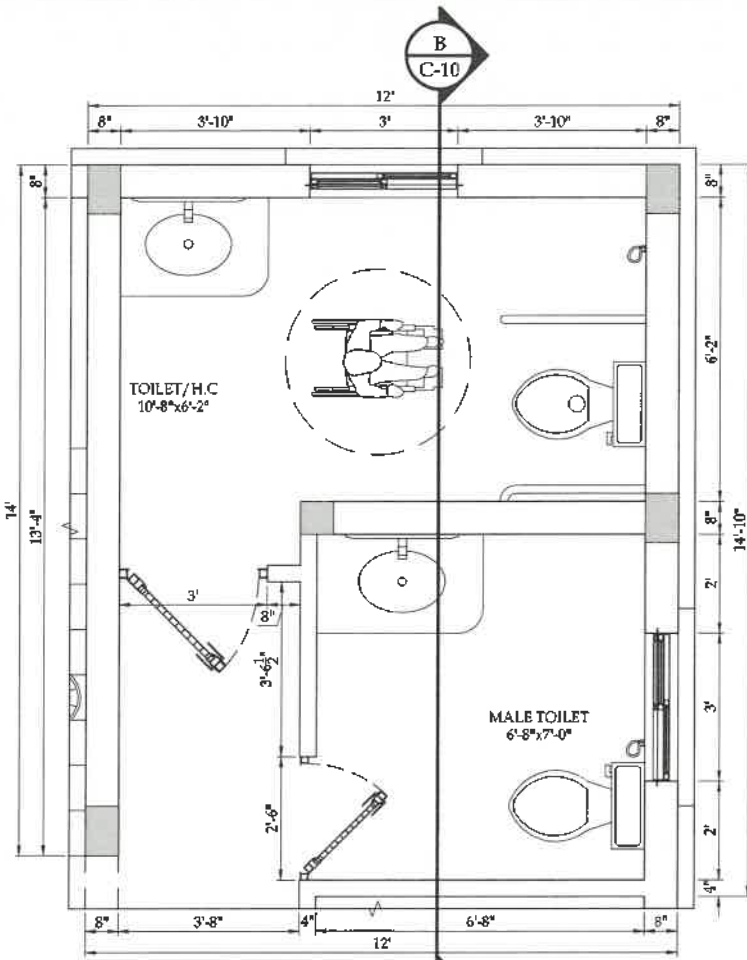
Sr No.	TYPE	SIZE	SILL	QTY.	DESCRIPTION
1	D1	6'-0" x 7'-0"	0'-0"	01	12mm THICK TEMPERED GLASS WITH 2mm THICK ALUMINUM H SECTION
2	D2	5'-0" x 7'-0"	0'-0"	01	12mm THICK TEMPERED GLASS WITH 2mm THICK ALUMINUM H SECTION
3	D3	3'-6" x 7'-0"	0'-0"	02	WOODEN SOLID FLUSH DOOR SINGLE LEAF
4	D3a	3'-0" x 7'-0"	0'-0"	01	WOODEN SOLID FLUSH DOOR SINGLE LEAF
5	D4	3'-0" x 7'-0"	0'-0"	01	uPVC DOOR
6	D4a	2'-6" x 7'-0"	0'-0"	02	uPVC DOOR

WINDOW SCHEDULE

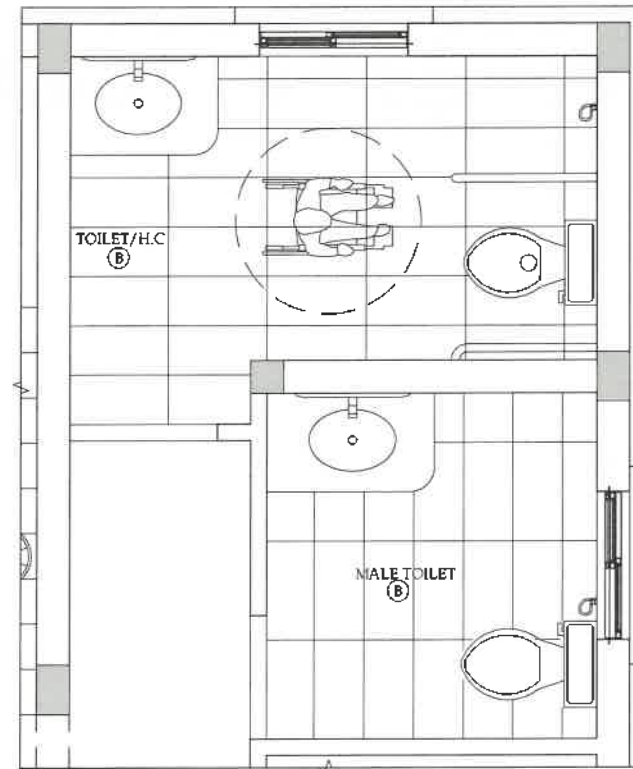
Sr No.	TYPE	SIZE	SILL	QTY.	DESCRIPTION
1	W1	6'-0" x 6'-6"	0'-6"	10	2mm TH. ALUMINUM GLAZED WITH 5mm TH. LIGHT BROWN GLASS SLIDING WINDOW WITH WIRE MESH
2	W2	3'-6" x 6'-6"	0'-6"	01	2mm TH. ALUMINUM GLAZED WITH 5mm TH. LIGHT BROWN GLASS SLIDING WINDOW WITH WIRE MESH
3	W3	3'-0" x 4'-0"	3'-0"	01	2mm TH. ALUMINUM GLAZED WITH 5mm TH. LIGHT BROWN GLASS SLIDING WINDOW WITH WIRE MESH
4	W4	1'-6" x 6'-6"	0'-6"	06	2mm TH. ALUMINUM GLAZED WITH 5mm TH. LIGHT BROWN GLASS FIXED WINDOW WITH WIRE MESH
5	V1	3'-0" x 2'-0"	5'-0"	03	2mm TH. ALUMINUM GLAZED WITH 5mm TH. LIGHT BROWN GLASS SLIDING VENTILATOR WITH WIRE MESH



SNGPL			
TITLE: CUSTOMER SERVICE CENTER DOORS, WINDOW ELEVATION & SCHEDULE			
DATE:	DESIGN:	DATE:	SCALE:
A2	JANUARY, 2024		
DATE	DESCRIPTION	DESIGNER	APPROVED
20-03-2024	DETAIL DESIGN	JAWAD	ASAD
02-04-2024	REVISION DRAWINGS	JAWAD	ASAD
DRAWING NO: SNGPL-CSC-AB-C-09		SHEET 00	REV 00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT: 			
CONSULTANT:  ASIAN CONSULTING ENGINEERS (PVT) LTD. C-3 JHELM BLOCK GREEN FORT, LAHORE, PAKISTAN TELEPHONE: +92 42 35505145 +92 3344571101 FAX: +92 42 3550518 WEB: www.asiancon.com			



WORKING PLAN TOILET-I
SCALE: 3/8" = 1'-0"

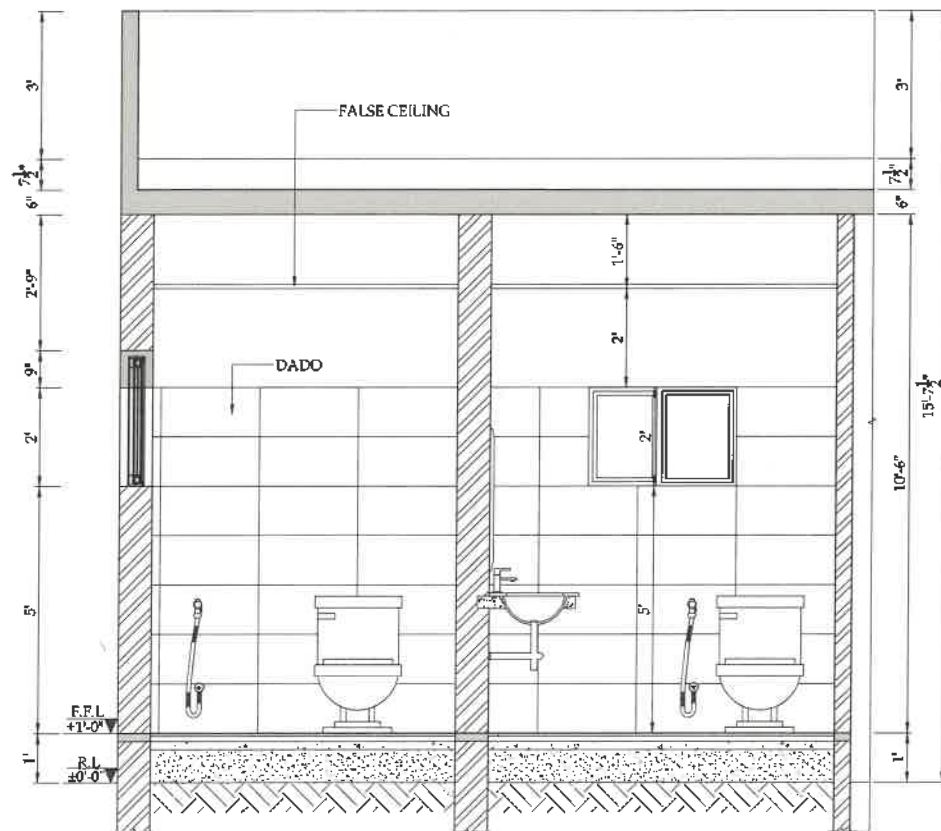


LEGEND:

(B) 12" x 24" PORCELAIN MATT FINISH TILE

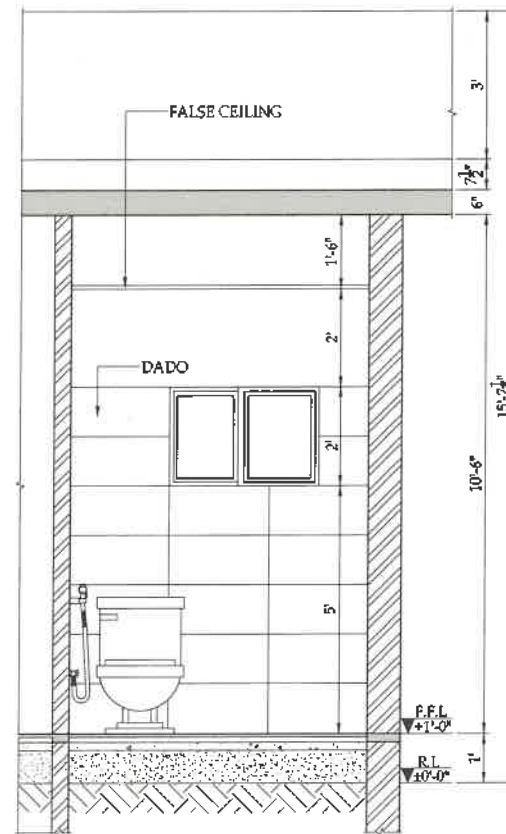
FLOORING PATTERN TOILET-I

SCALE: 3/8" = 1'-0"



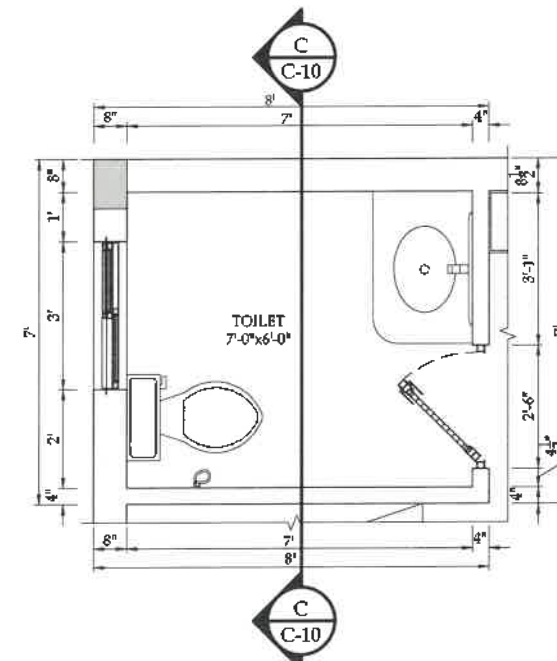
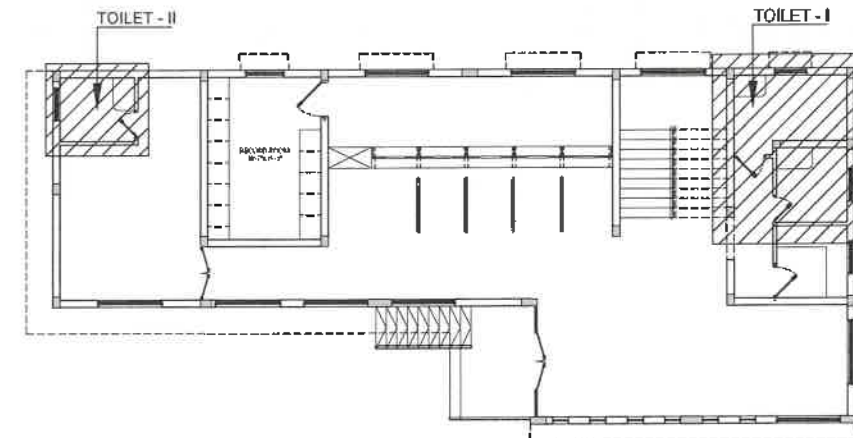
SECTION B-B

SCALE: 3/8" = 1'-0"



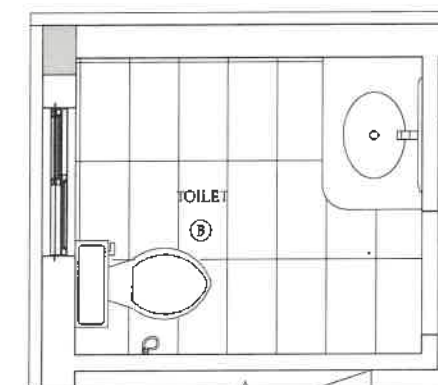
SECTION C-C

SCALE: 3/8" = 1'-0"



WORKING PLAN TOILET-II

SCALE: 3/8" = 1'-0"



LEGEND:

(B) 12" x 24" PORCELAIN MATT FINISH TILE

FLOORING PATTERN TOILET-II

SCALE: 3/8" = 1'-0"



SNGPL
TITLE: CUSTOMER SERVICE CENTER
TOILET DETAILS

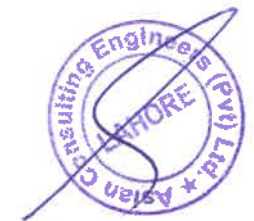
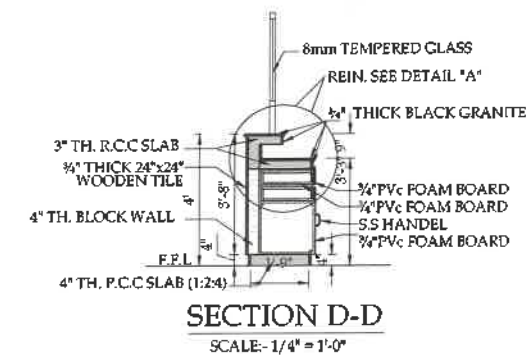
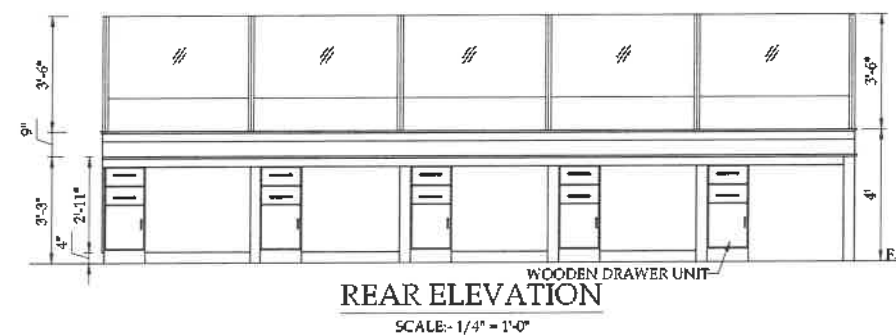
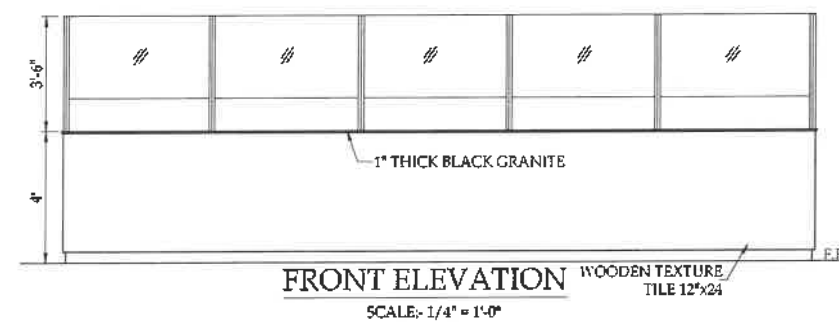
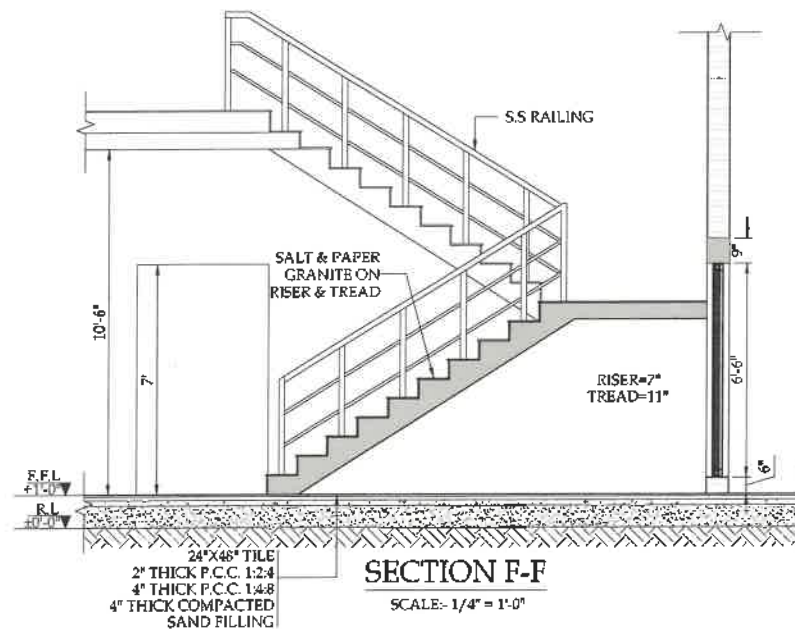
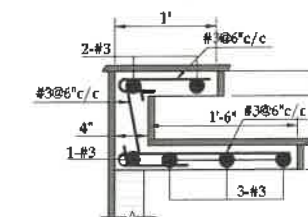
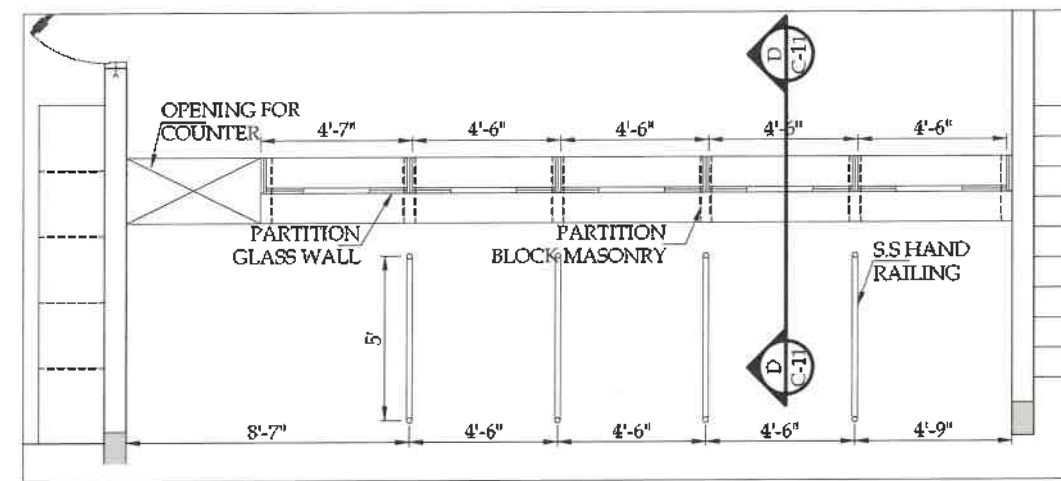
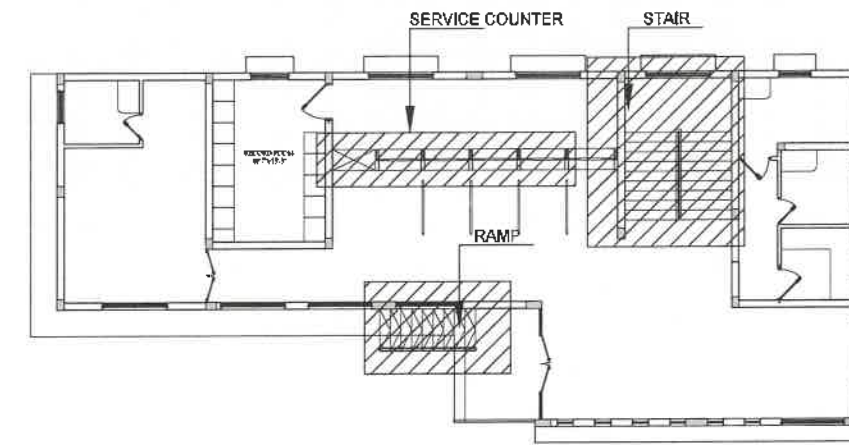
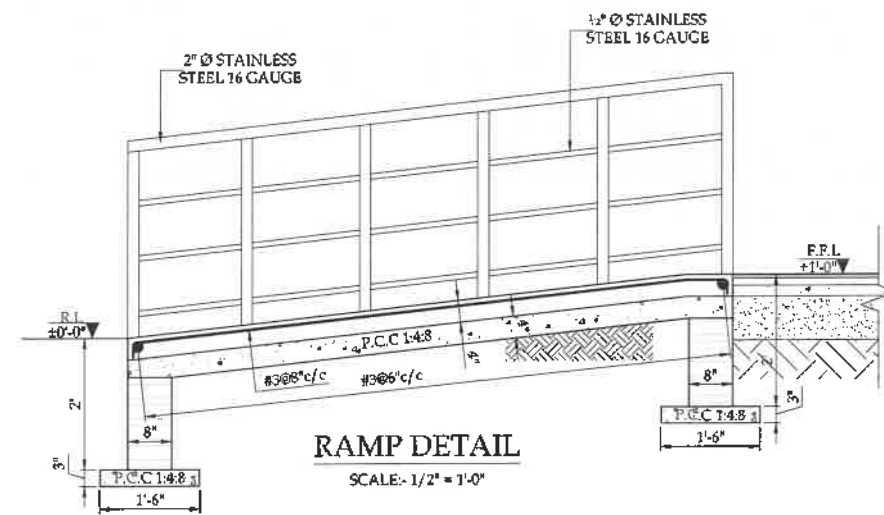
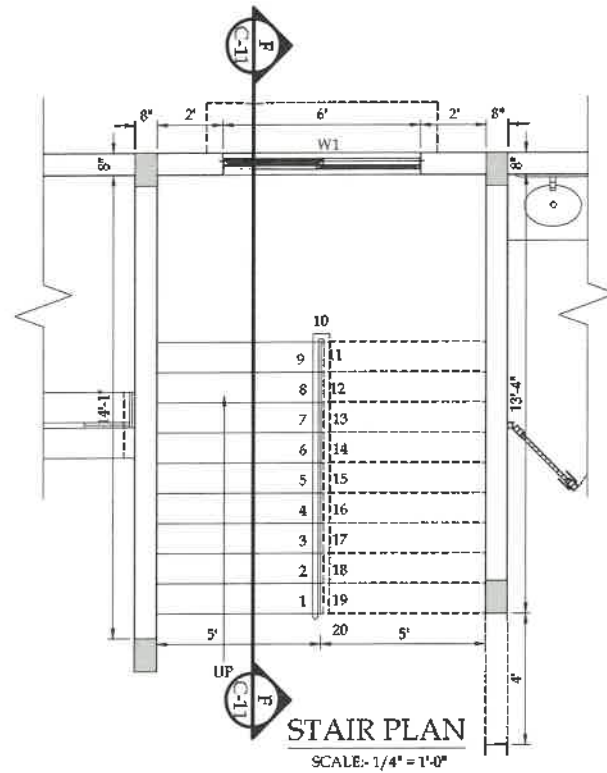
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01/01/2024	DETAIL DESIGN	JAWAD	RAJ	SHAHID
01/01/2024	REVISION DRAWING	JAWAD	RAJ	SHAHID

DRAWING NO: SNGPL-CSC-AB-C-10
SHEET 00
REV 00

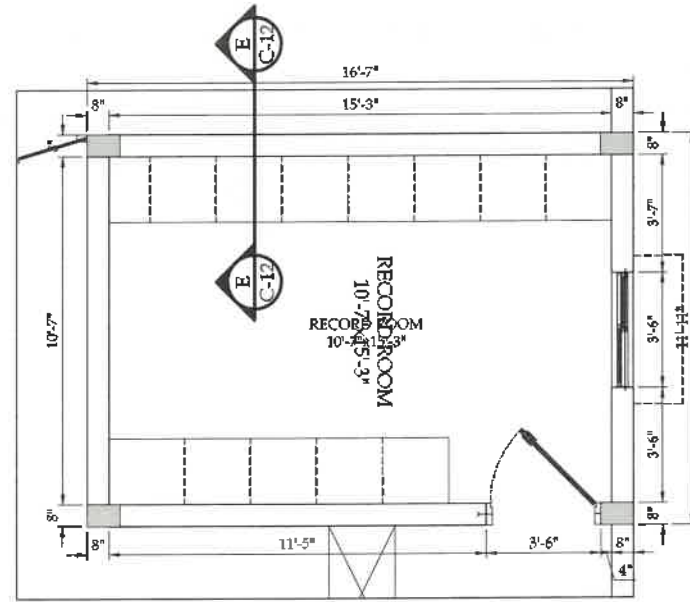
PROJECT:
CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



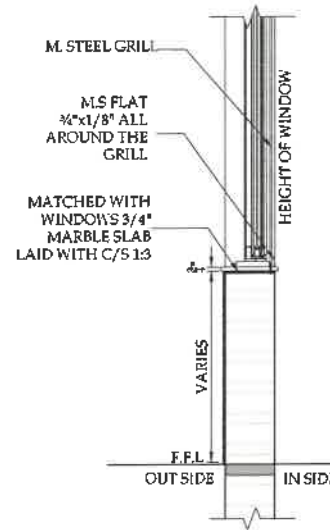
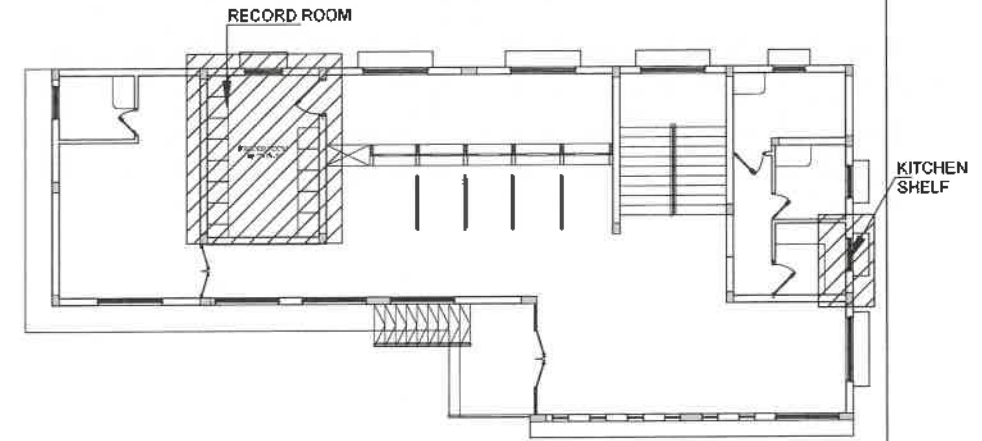
CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT) LTD
G-3 KHELM BLOCK, GREEN PARK II, LAHORE, PAKISTAN
TELEPHONE: +92-42-35450914-5 +92-32-142-11101
FAX: +92-42-35450916 VIB www.asiance.com



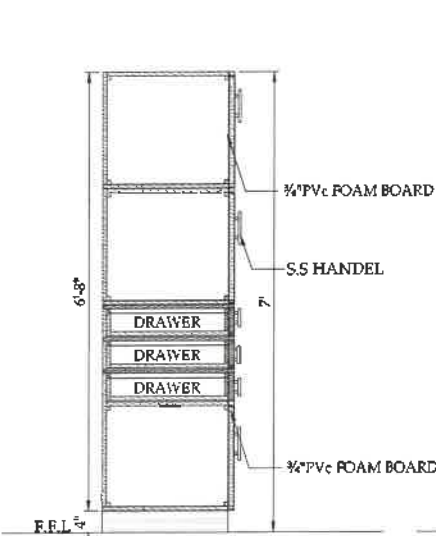
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ORIGINAL			DATE			SCALE			
A2			JANUARY, 2024						
ROW #	DATE	DESCRIPTION			DRAWN	DESIGNED	APPROVED		
01	29-04-2024	DETAIL DESIGN			JAWAD	RAJ	JAL		
02	18-04-2024	THOUGH DRAWINGS			JAWAD	SHADEED	RAJ		
DRAWING N°:						SHEET		REV	
SNGL-CSC-AB-C-11						00		00	
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD									
CLIENT:  Suj Northern Gas Pipeline Limited ISROPC									
CONSULTANT:  ASIAN CONSULTING ENGINEERS PVT.LTD G-3 JHELMAN BLOCK, GREEN PORT, LAHORE, PAKISTAN TELEPHONE: +92 42 3545061-65 +92 32-14231190 FAX: +92 42 35450115 14533 www.asiancon.com									



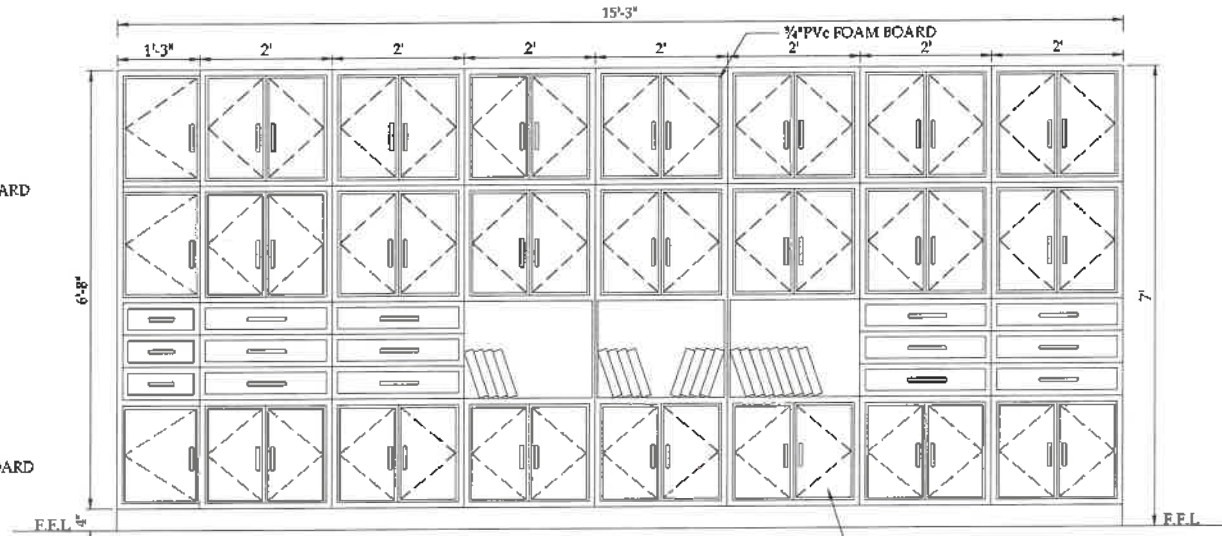
RECORD ROOM PLAN
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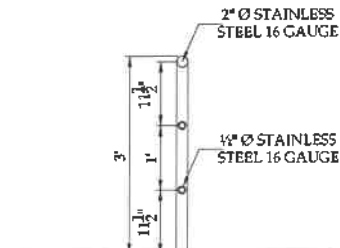
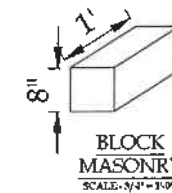
TYPICAL WINDOW SECTIONAL DETAIL
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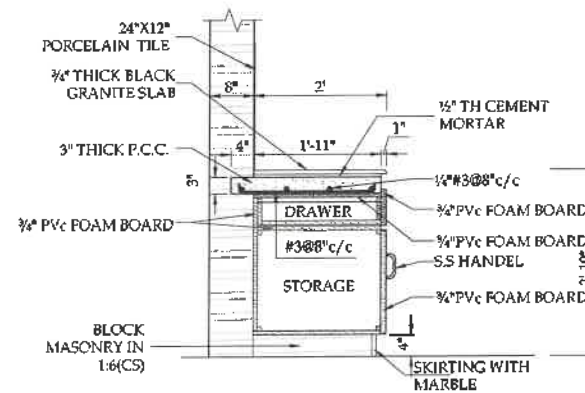
SECTION E-E
SCALE:- 1/2" = 1'-0"



FRONT ELEVATION
SCALE:- 1/2" = 1'-0"



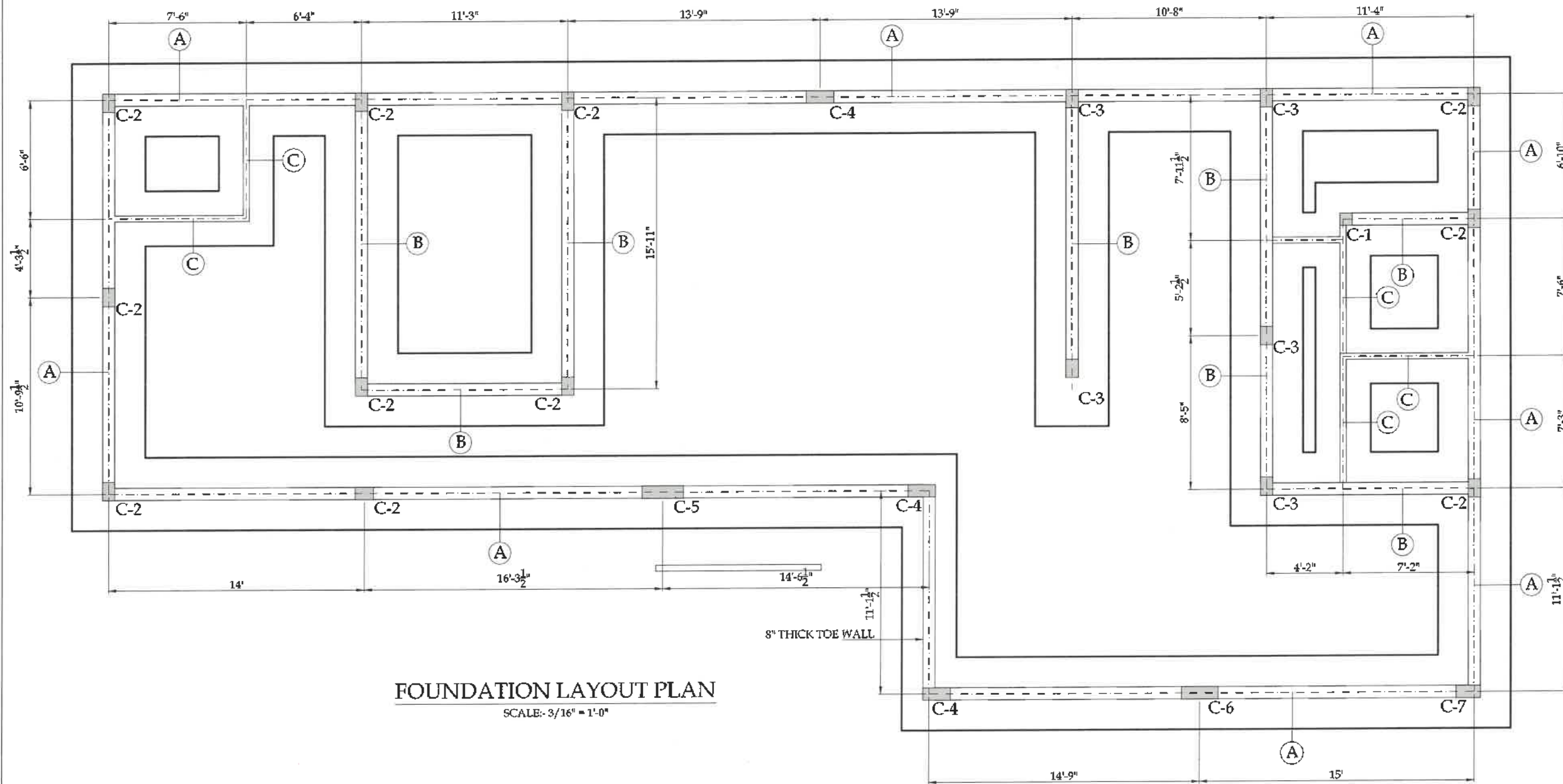
TYPICAL HAND RAIL DETAIL
SCALE:- 1/2" = 1'-0"



DETAIL I-I
SCALE:- 1/2" = 1'-0"



SNGPL		CUSTOMER SERVICE CENTER	
TITLE		DETAILS PLAN	
ORIGINAL:	DATE	SCALE:	
A2	JANUARY, 2024		
ISSUE NO.	DATE	DESCRIPTION	APPROVED
01	20-05-2024	DETAIL DESIGN	APPROVED
02	14-06-2024	RENDER DRAWINGS	APPROVED
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-C-12		02	00
PROJECT:			
CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
			
CONSULTANT:			
 ASIAN CONSULTING ENGINEERS (PVT) LTD. C-3 JHELM BLOCK, GREEN PORT-6, LAHORE, PAKISTAN TELEPHONE: +92 42 35450914-5 +92 33-142-71101 FAX: +92 42 35450919 1988 www.asiancon.com			

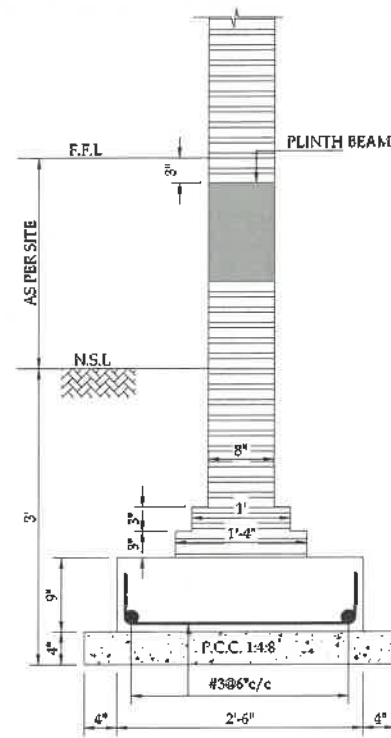


NOTE:-

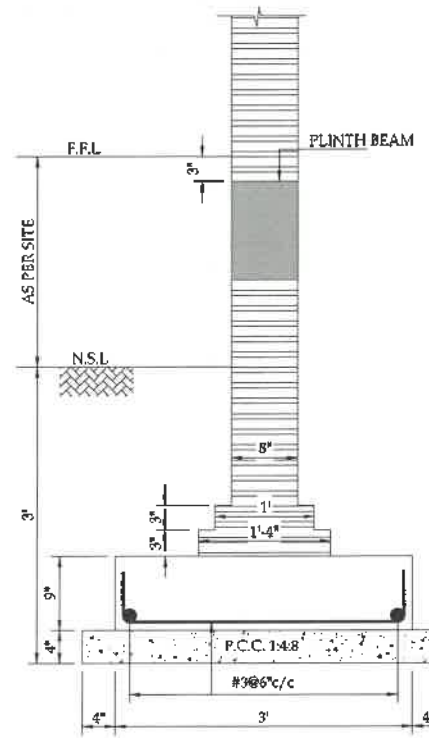
1. THE DESIGN OF FOUNDATION IS BASED ON ASSUMED BEARING CAPACITY 1.0 TSF.
2. ALL DIMENSION AND LEVELS ARE IN FEET UNLESS OTHERWISE SPECIFIED.
3. USE CONCRETE HAVING 3000 Psi CYLINDER STRENGTH FOR ALL STRUCTURAL MEMBERS.
4. USE DEFORMED STEEL HAVING MINIMUM YIELD STRENGTH OF 60,000 PSI AS PER ASTM 615
5. CONCRETE COVER
6. FOUNDATION BOTTOM = 2" TOP = 2" SIDES = 3"
7. COLUMN = 1'-1/2"
8. III. PLINTH BEAM = 2"



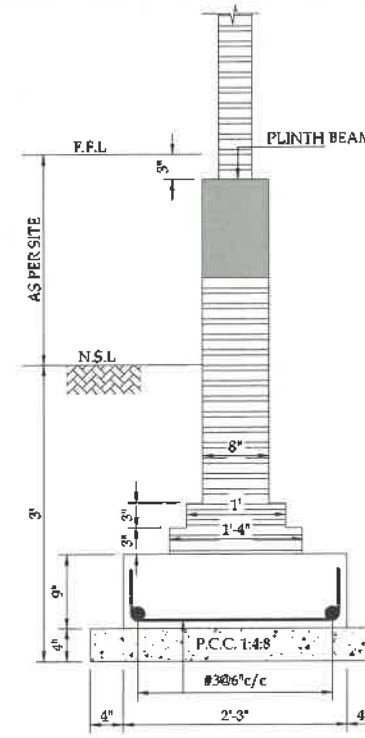
SNGPL			
TITLE: CUSTOMER SERVICE CENTER			
FOUNDATION LAYOUT PLAN			
ORIGINAL	DATE: JANUARY, 2024	SCALE	
NO.	DATE	DESCRIPTION	APPROVED
01	20-01-2024	DETAILED DESIGN	NAME
02	20-01-2024	TECHNICAL DRAWINGS	NAME
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-S-01		00	00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
CONSULTANT:			



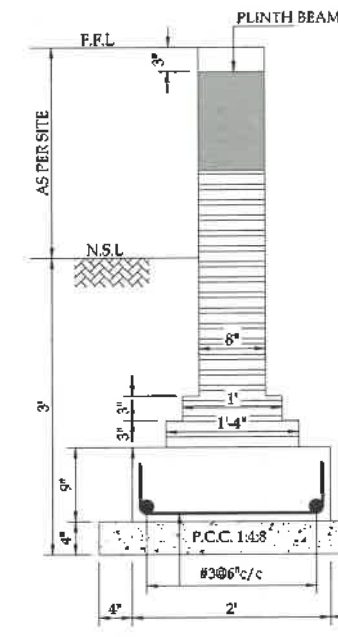
TYPE -A
SCALE:- 3/4" = 1'-0"



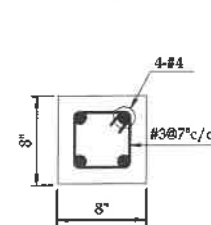
TYPE -B
SCALE:- 3/4" = 1'-0"



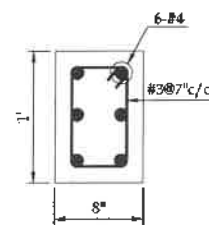
TYPE -C
SCALE:- 3/4" = 1'-0"



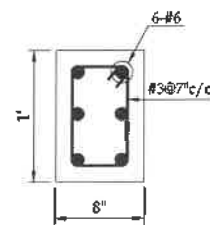
TYP. TOE WALL
SCALE:- 3/4" = 1'-0"



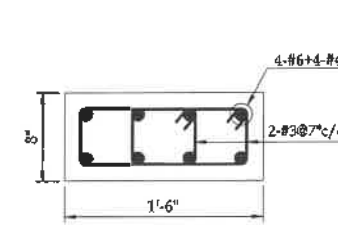
COLUMN C1
SCALE:- 1" = 1'-0"



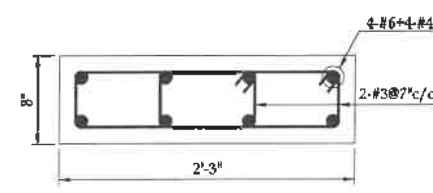
COLUMN C2
SCALE:- 1" = 1'-0"



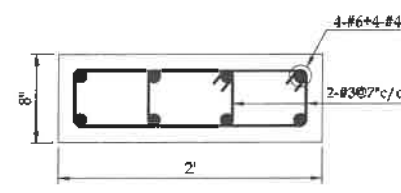
COLUMN C3
SCALE:- 1" = 1'-0"



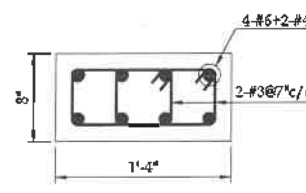
COLUMN C4
SCALE:- 1" = 1'-0"



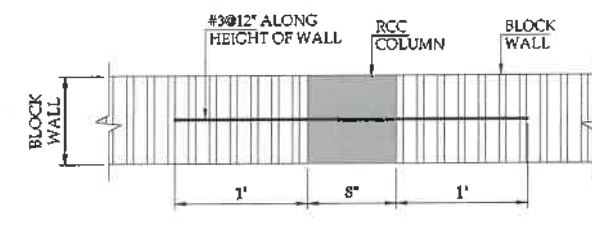
COLUMN C5
SCALE:- 1" = 1'-0"



COLUMN C6
SCALE:- 1" = 1'-0"



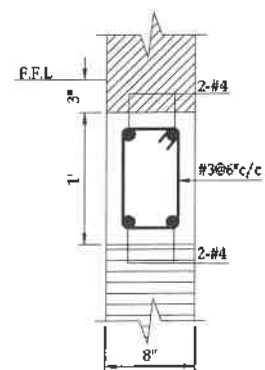
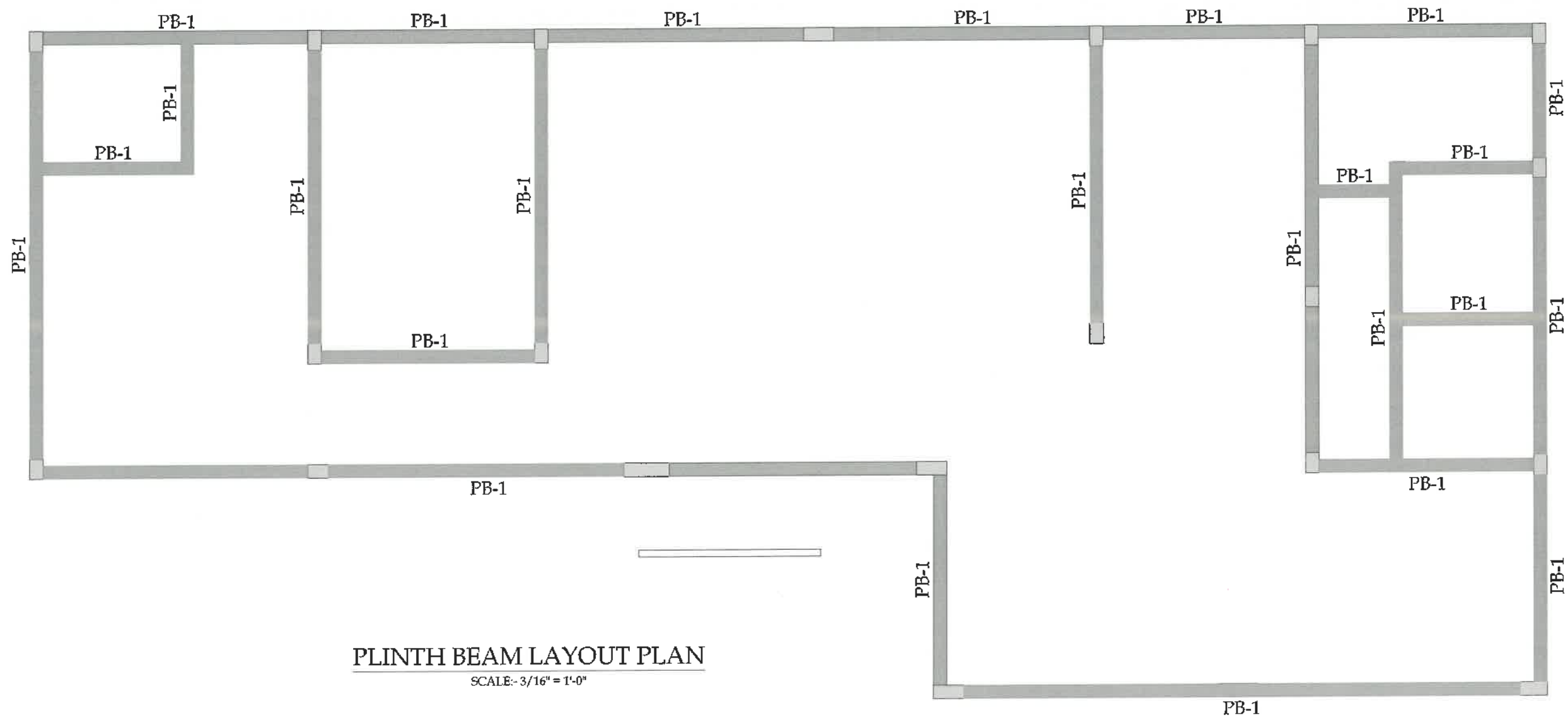
COLUMN C7
SCALE:- 1" = 1'-0"



WALL TO COLUMN
JOINT DETAIL
SCALE:- 1" = 1'-0"



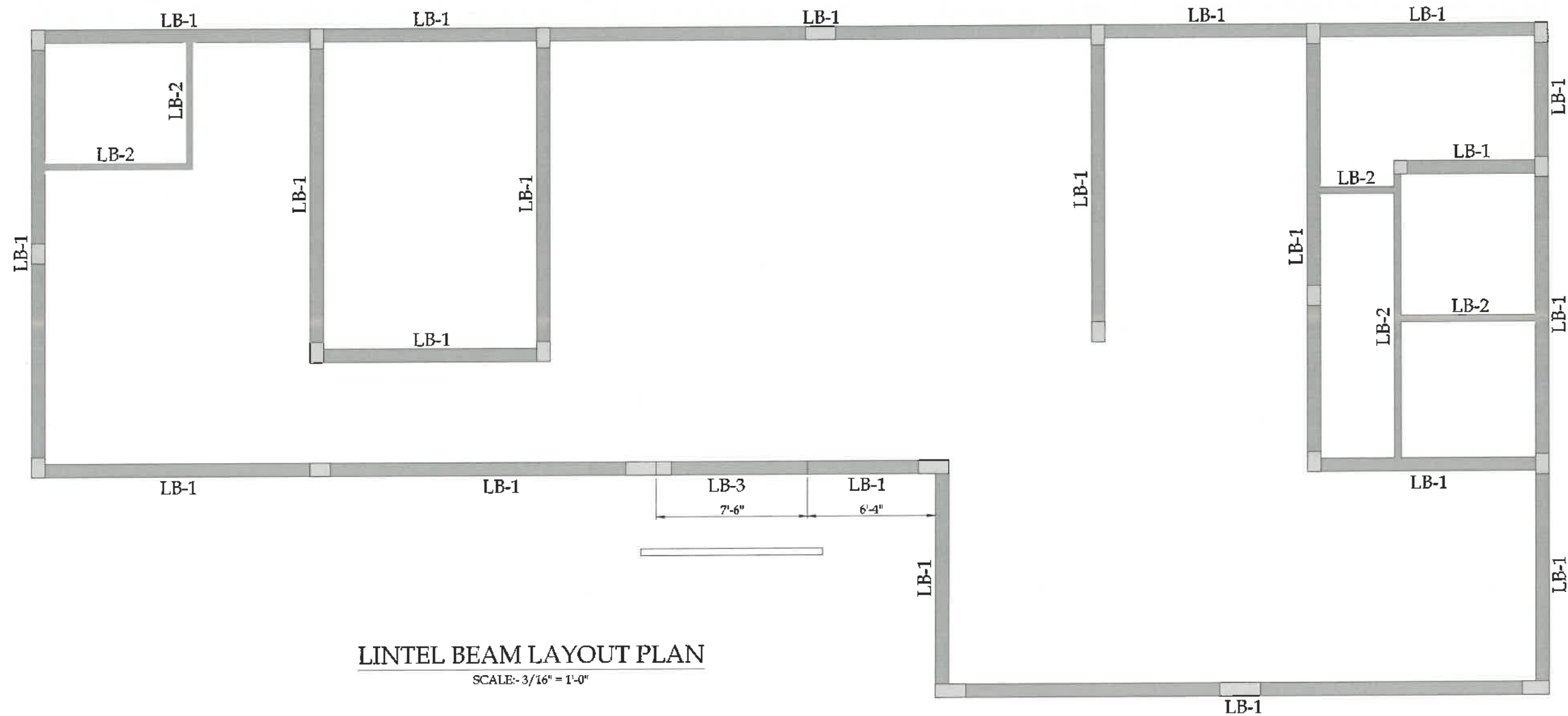
SNGPL			
TITLE: CUSTOMER SERVICE CENTER			
FOUNDATION SECTIONAL			
DETAILS			
GROUP	DATE	SCALE	
A2	JANUARY, 2021		
DATE	DESCRIPTION	DESIGNED	APPROVED
01	20-02-2021	MAU	SNGR
02	18-04-2021	MAU	FAHAR
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-S-02		00	00
PROJECT:			
CUSTOMER SERVICE CENTER AT			
REGIONAL DISTRIBUTION OFFICE			
ABBOTTABAD			
CLIENT:			
			
CONSULTANT:			
			



PLINTH BEAM PB-1
SCALE:- 1" = 1'-0"

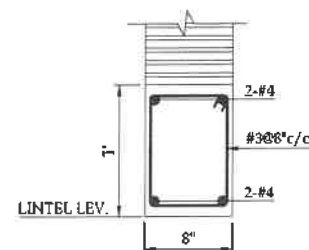


SNGPL			
TITLE: CUSTOMER SERVICE CENTER PLINTH BEAM LAYOUT PLAN & SECTIONAL DETAILS			
ORIGINAL:	DATE:	SCALE:	
A2	JANUARY, 2024		
ISSUE NO.	DATE	DESCRIPTION	DRAWN/DESIGNED/ APPROVED
01	20/03/2024	DETAIL DESIGN	ALAM DRGC. ENGR.
02	18/04/2024	TENDER DRAWINGS	MUHAMMAD ENGR. ENGR.
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-S-03		00	00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
 Sui Northern Gas Pipelines Limited SNGPL			
CONSULTANT:			
 ASIAN CONSULTING ENGINEERS (PVT.) LTD. C-3 JHELLUM BLOCK, GREEN PORT, LAHORE, PAKISTAN TELEPHONE: +92 42 3542094-5 +92 32-14271101 FAX: +92 42 3542094-5 WWW.ASIANCON.COM			



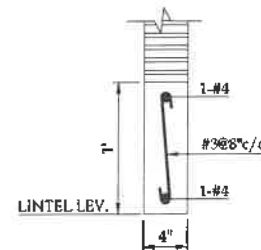
LINTEL BEAM LAYOUT PLAN

SCALE:- 3/16" = 1'-0"



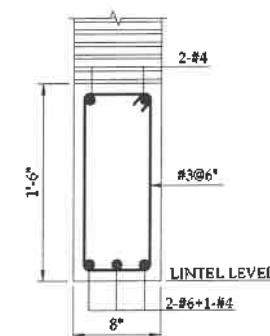
BEAM LB-1

SCALE:- 1" = 1'-0"



BEAM LB-2

SCALE:- 1" = 1'-0"

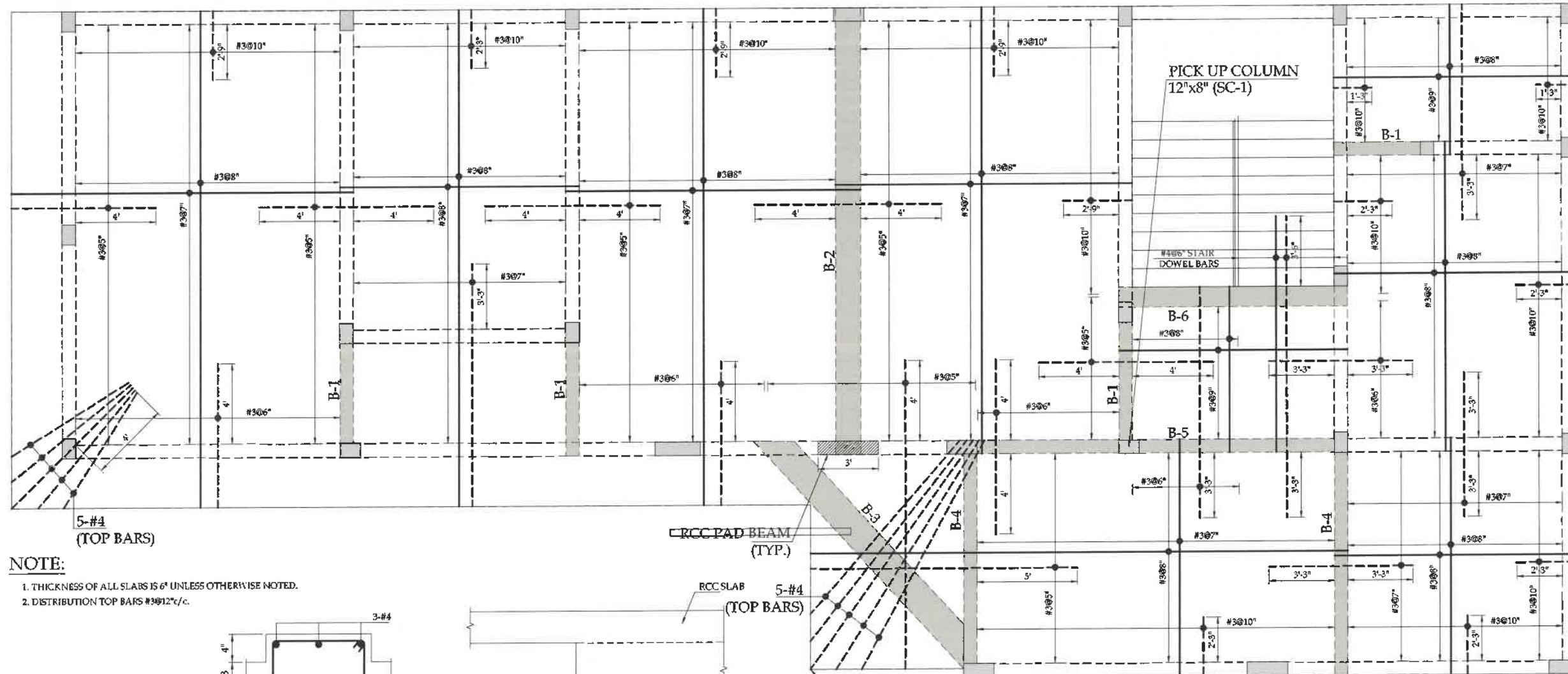


BEAM LB-3

SCALE:- 1" = 1'-0"

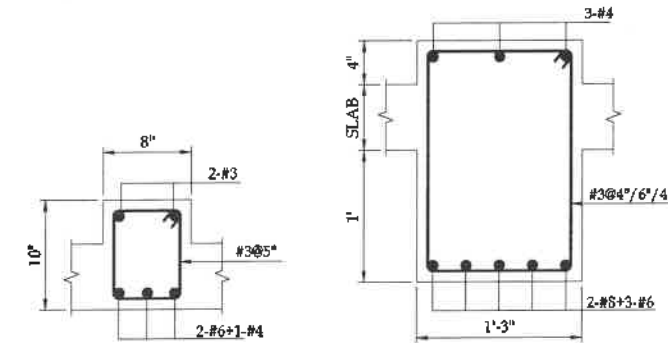


SNGPL			
TITLE: CUSTOMER SERVICE CENTER LINTEL BEAM LAYOUT PLAN & SECTIONAL DETAILS			
ORIGINAL:	DATE:	SCALE:	
A2	JANUARY, 2024		
ISSUE	DATE	DESCRIPTION	DESIGN
01	20-01-2024	DETAIL DESIGN	MAK
02	10-02-2024	TENDER DRAWINGS	MAK
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-S-04		00	00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
 Sul Northern Gas Pipelines Limited SNGPL			
CONSULTANT:			
 ASIAN CONSULTING ENGINEERS (PVT) LTD C-3 JHEUM BLOCK GREEN FORT-II LAHORE PAKISTAN TELEPHONE: +92 42 35450914-5 +92 32 142-71101 FAX: +92 42 32-650919 PMSB www.asiance.com			



NOTE:

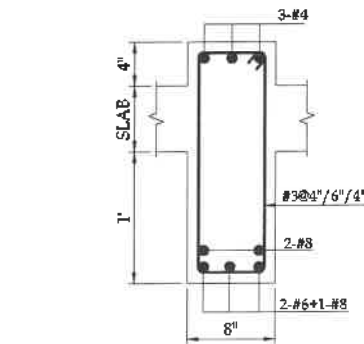
1. THICKNESS OF ALL SLABS IS 6" UNLESS OTHERWISE NOTED.
2. DISTRIBUTION TOP BARS #3@12"c/c.



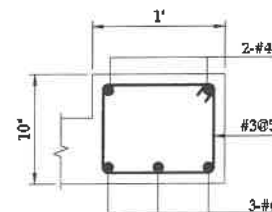
BEAM B-1
SCALE: 1" = 1'-0"

BEAM B-2
PROVIDE 1" CAMBER
AT MID OF BEAM
SCALE: 1" = 1'-0"

SECTION RCC
PAD (TYP.)
SCALE: 3/4" = 1'-0"

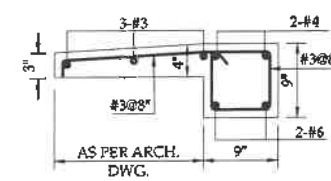


BEAM B-5
PROVIDE 1" CAMBER
AT MID OF BEAM
SCALE: 1" = 1'-0"



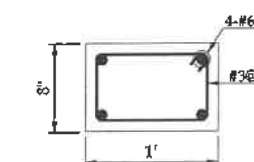
BEAM B-6
SCALE: 1" = 1'-0"

ROOF SLAB
REINFORCEMENT PLAN
SCALE: 1/4" = 1'-0"

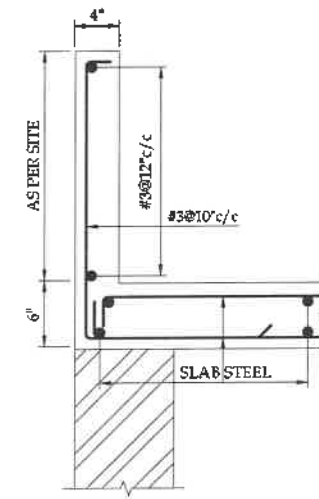


(TYP.) LINTEL
SHADE DETAIL

NOTE:
DO NOT REMOVE
SHUTTERING UNTIL
SLAB IS CASTED



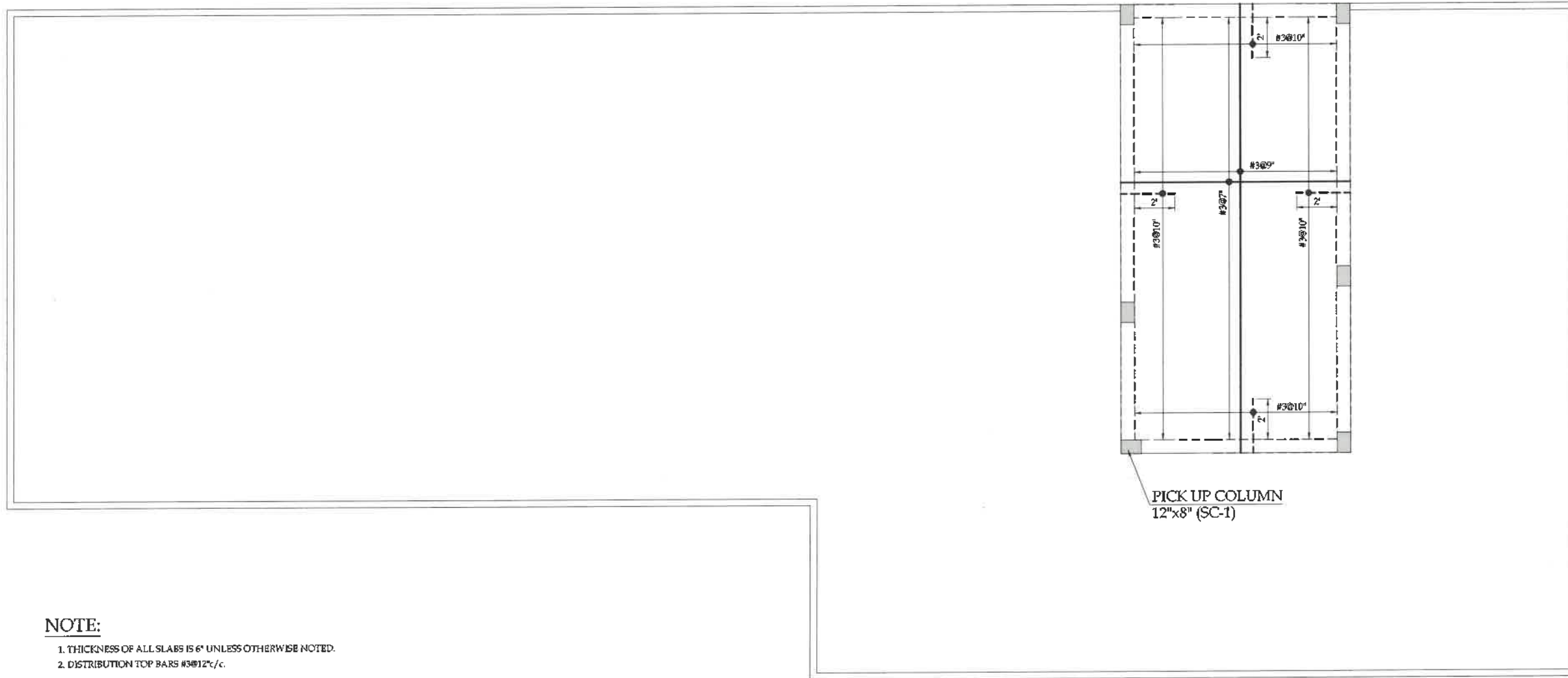
COLUMN SC-1
SCALE: 1" = 1'-0"



TYPICAL PARAPET
DETAIL
SCALE: 1" = 1'-0"



SNGPL				
TITLE: CUSTOMER SERVICE CENTER				
ROOF SLAB REINFORCEMENT PLAN & SECTIONAL DETAILS				
ORIGINAL:	DATE:	SCALE:		
A2	JANUARY, 2024			
REVISION	DATE	DESCRIPTION	BY	APPROVED
01	26-12-2024	INITIAL DESIGN	M.A.J.	ENGINEER
02	14-01-2024	TENDER DRAWINGS	M.A.J.	ENGINEER
DRAWING NO: SNGPL-CSC-AB-S-05				
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			SHEET 00	REV 00
CLIENT:				
CONSULTANT:				
ASIAN CONSULTING ENGINEERS (PVT) LTD. C-3 JHELLUM BLOCK, GREEN FORT, LAHORE, PAKISTAN TELEPHONE: +92-42-35450914-5 +92-321-4271101 FAX: +92-42-35450910 1102 www.asiancons.com				



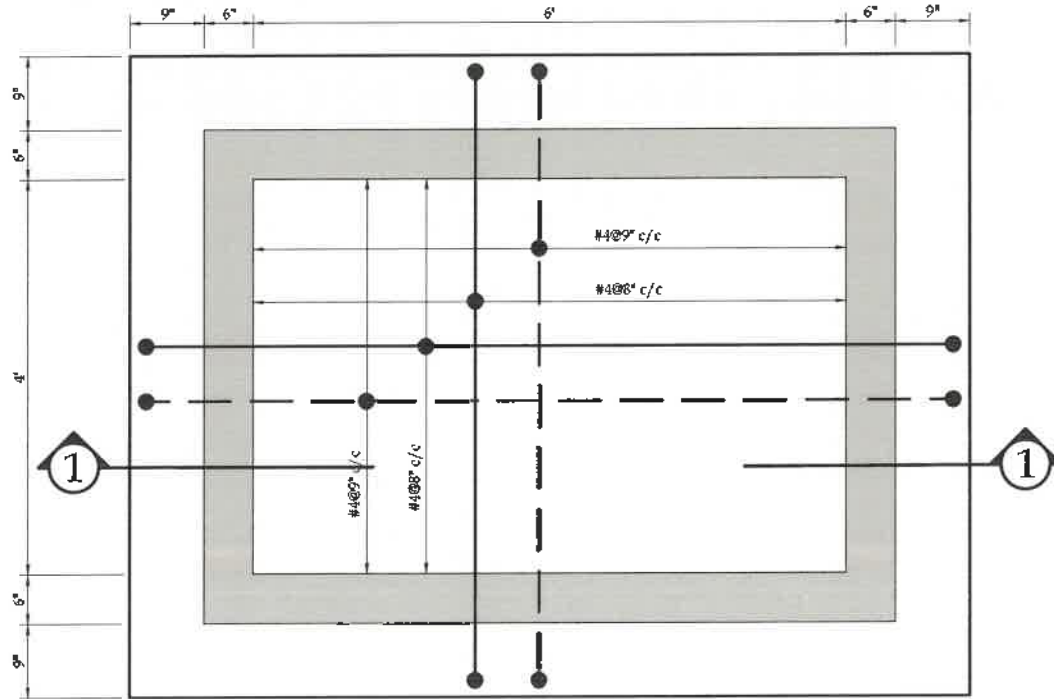
NOTE:

1. THICKNESS OF ALL SLABS IS 6" UNLESS OTHERWISE NOTED.
2. DISTRIBUTION TOP BARS #3@12"/c.

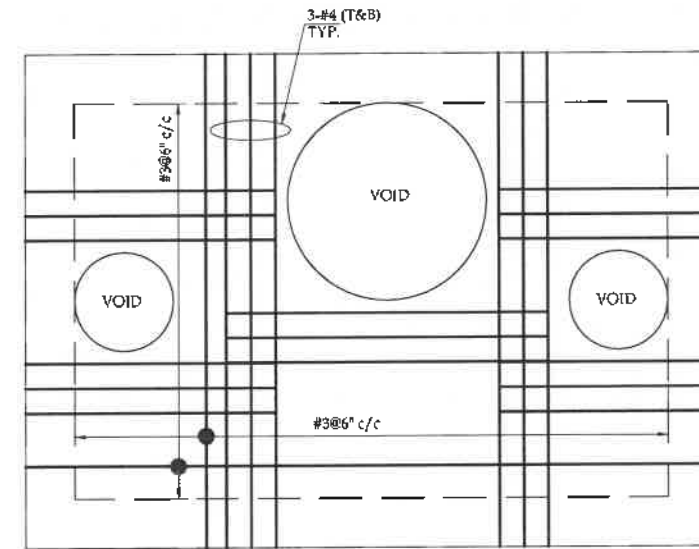
**MUMTY SLAB
REINFORCEMENT PLAN**
SCALE- 1/4" = 1'-0"



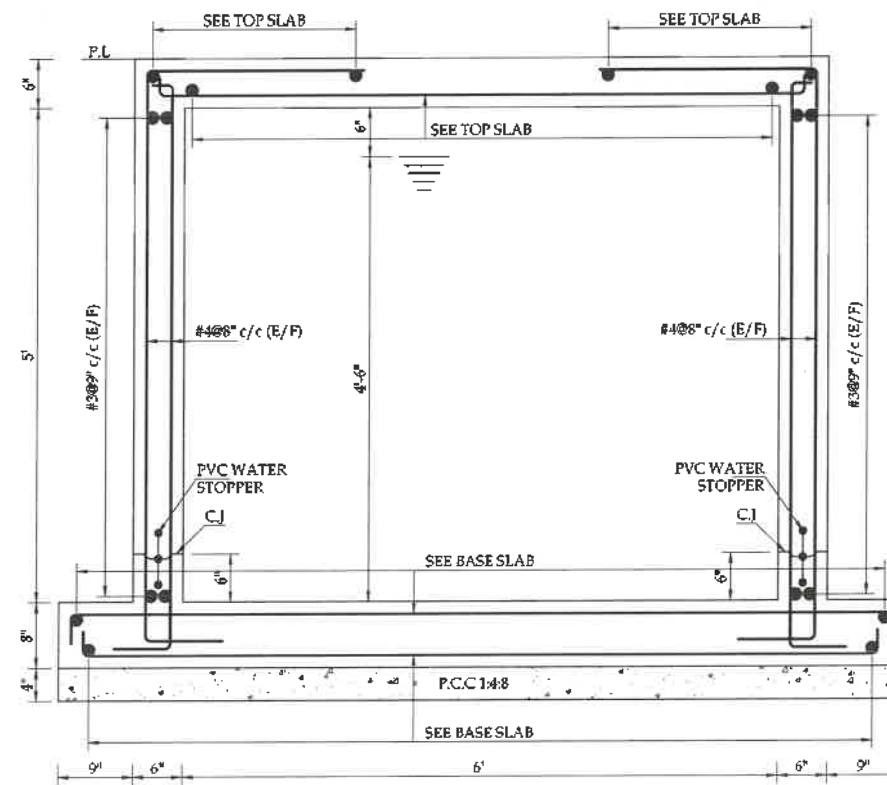
SNGPL					
TITLE: CUSTOMER SERVICE CENTER					
MUMTY SLAB REINFORCEMENT PLAN					
ORIGINAL: A2		DATE: JANUARY, 2024		SCALE:	
ISSUE NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	APPROVED BY
01	20-01-2024	DETAIL DESIGN	M.A.H.	ENGR. (P) 10000	ENGR. (P) 10000
02	18-04-2024	TENDER DRAWINGS	M.A.H.	ENGR. (P) 10000	ENGR. (P) 10000
DRAWING NO:			SHEET	REV	
SNGPL-CSC-AB-S-06			00	00	
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD					
CLIENT:  Sui Northern Gas Pipelines Limited SNGPL					
CONSULTANT:  ASIAN CONSULTING ENGINEERS (PVT.) LTD. C-3 JHELM BLOCK, GREEN FORT-8, LAHORE, PAKISTAN TELEPHONE: +92-42-3545091-40 +92-32-142-71101 FAX: +92-42-3545091-1008 www.asiancon.com					



SEPTIC TANK
BASE SLAB= 8" THICK
SCALE: 3/4" = 1'-0"



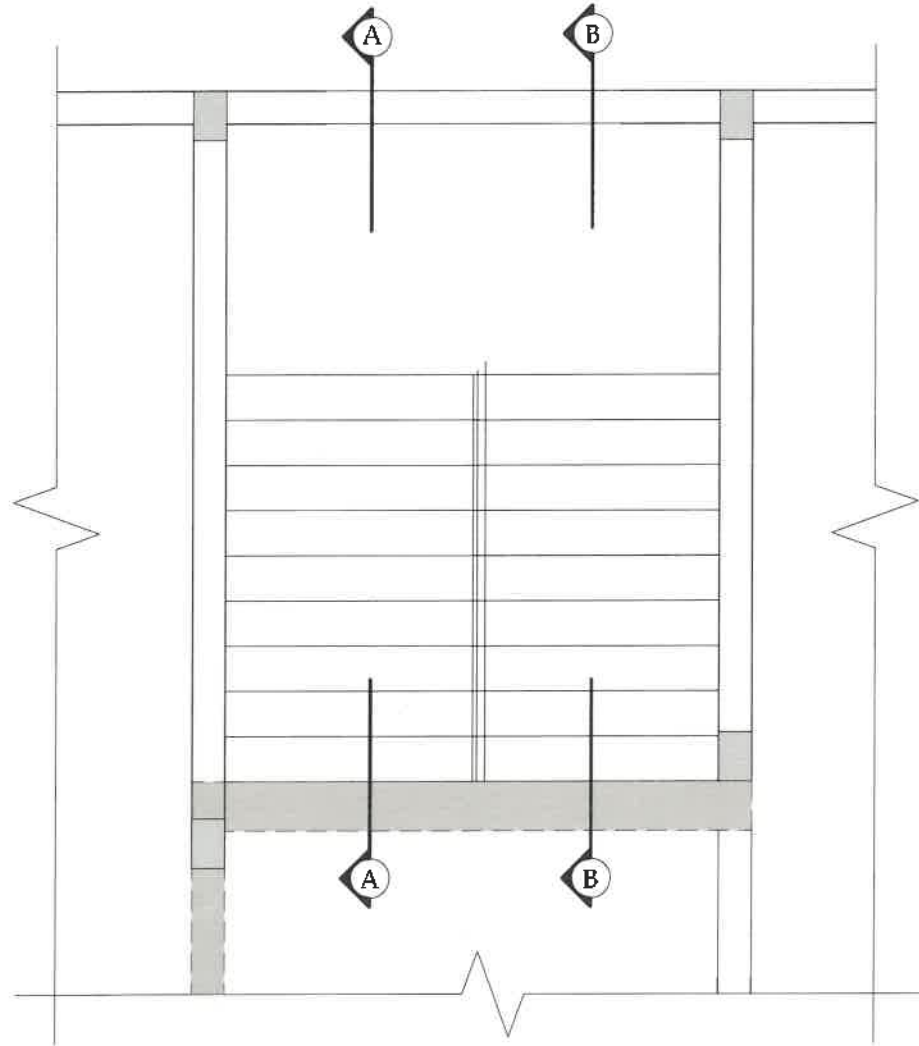
SEPTIC TANK
TOP SLAB= 6" THICK
SCALE: 3/4" = 1'-0"



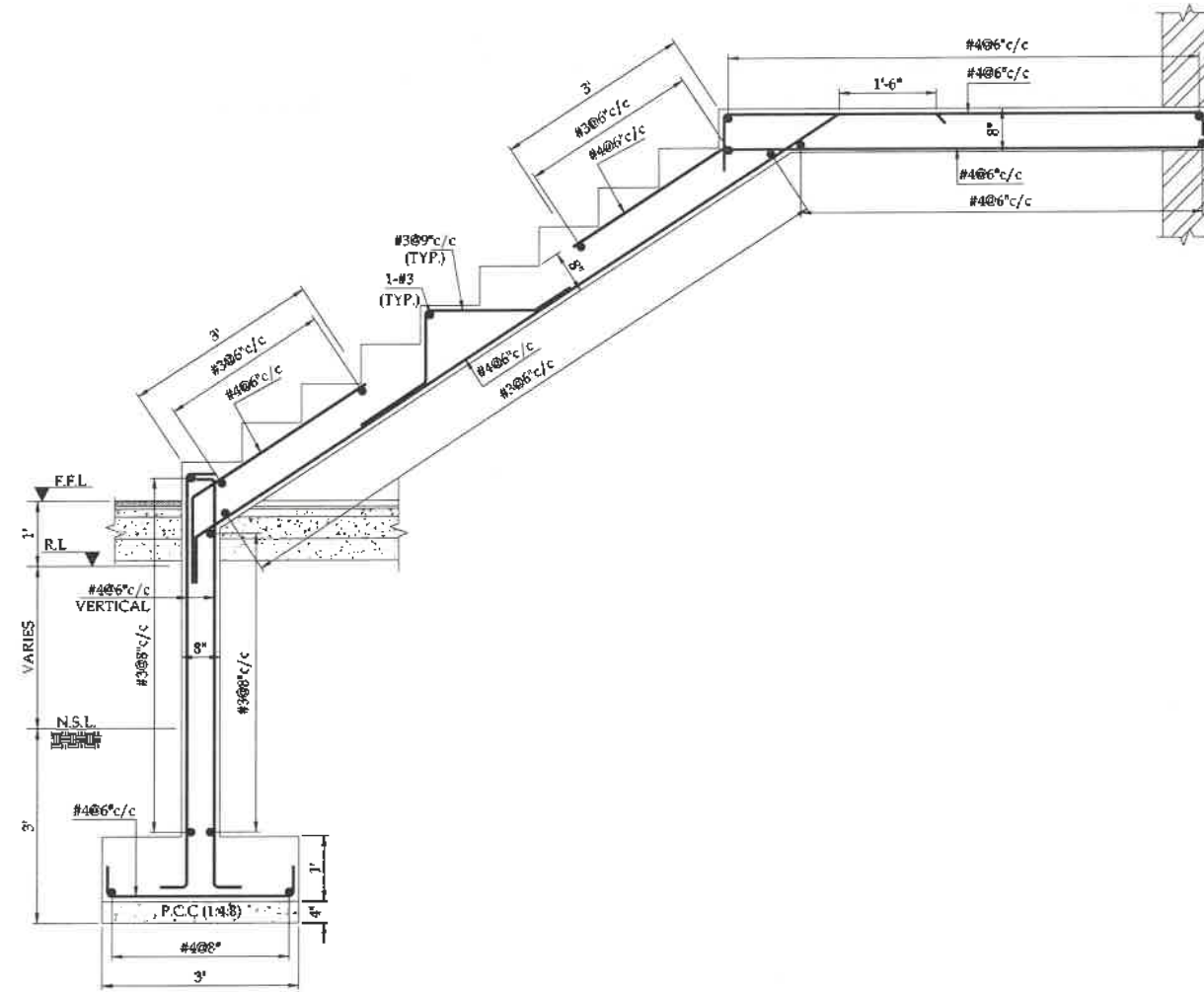
SECTION 1-1
SCALE: 3/4" = 1'-0"



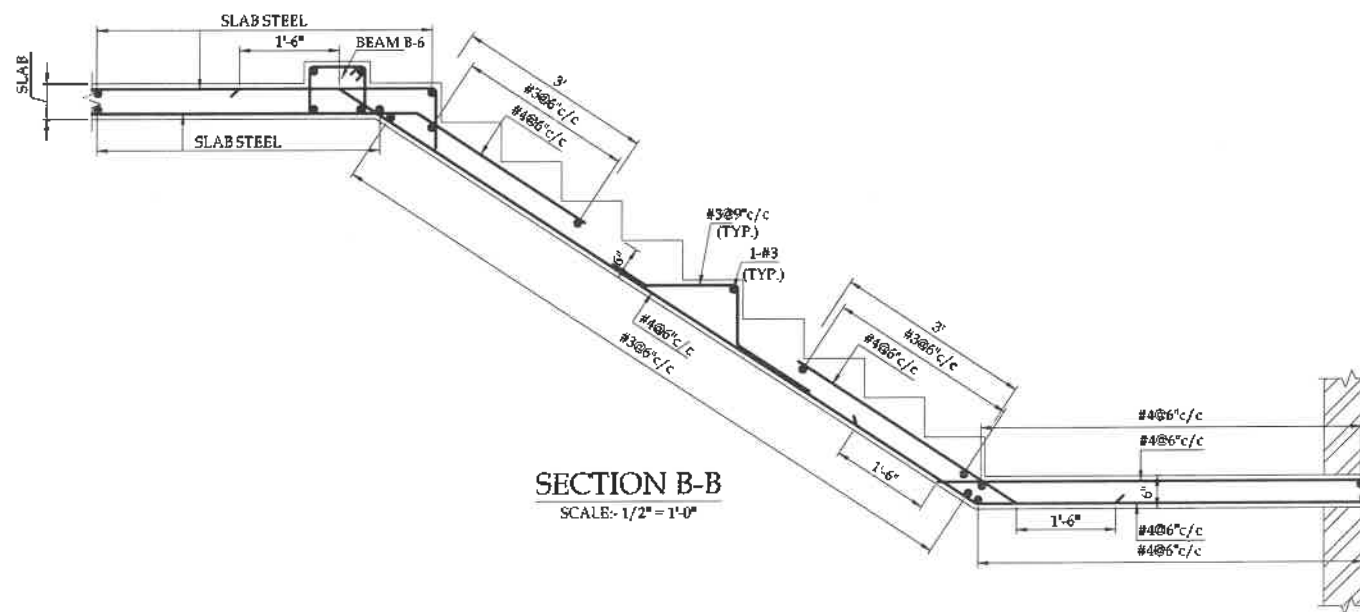
SNGPL		TITLE: CUSTOMER SERVICE CENTER	
		SEPTIC TANK STRUCTURAL DETAILS	
ORIGINAL	DATE	SCALE	
A2	JANUARY, 2024		
REV	DATE	DESCRIPTION	APPROVED
01	20/01/2024	DETAIL DESIGN	REVIEWED
02	18/01/2024	TENDER DRAWINGS	REVIEWED
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-S-07		00	00
PROJECT:			
CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
 Sui Northern Gas Pipelines Limited (SNGPL)			
CONSULTANT:			
 ASIAN CONSULTING ENGINEERS (PVT) LTD. C-3 PHULUM BLOCK, GREEN FORT-II, LAHORE, PAKISTAN TELEPHONE: +92 42 35460914-5 +92 32 442 71151 FAX: +92 42 35460919 (MIS) www.asiancon.com			



PART PLAN STAIR
SCALE: 1/4" = 1'-0"



SECTION A-A
SCALE: 1/2" = 1'-0"



SECTION B-B
SCALE: 1/2" = 1'-0"



SNGPL			
TITLE: CUSTOMER SERVICE CENTER STAIR STRUCTURAL DETAILS			
DATE	DATE	DATE	SCALE
20-01-2024	20-01-2024	20-01-2024	1/2" = 1'-0"
20-01-2024	20-01-2024	20-01-2024	20-01-2024
20-01-2024	20-01-2024	20-01-2024	20-01-2024
DRAWING NO: SNGPL-CSC-AB-S-08		SHEET 00	REV 00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT: 			
CONSULTANT:  ASIAN CONSULTING ENGINEERS (PVT) LTD. C-3 JHELM BLOCK, GREEN FORT-II, LAHORE, PAKISTAN TELEPHONE: +92 42 3540816-5 +92 32 462 7110 FAX: +92 42 3540816 WEB: www.asiancon.com			

" LIGHTS "					
NO.	SYMBOL	DESCRIPTION	TYPE / DETAIL / SPEC	COLOUR	QUANTITY
1		WATER TIGHT (IP-65) WITH 18W LED BULBHEAD LIGHT	3000-6000K	> 100lm/w	> 70
2		CEILING MOUNTED LED DOWN LIGHT ROUND WITH 12 WATT.	3000-6000K	> 100lm/w	> 70
3		CEILING MOUNTED LED DOWN LIGHT ROUND WITH 18 WATT.	3000-6000K	> 100lm/w	> 70
4		MIRROR LIGHT WITH 18 WATT	3000-6000K	> 100lm/w	> 70
5		36 WATT LED PANEL LIGHT 3'-0"x4'-0"	3000-6000K	> 100lm/w	> 70
6		WALL MOUNTED FANCY LIGHT WITH 12W LED LAMP	3000-6000K	> 100lm/w	> 70

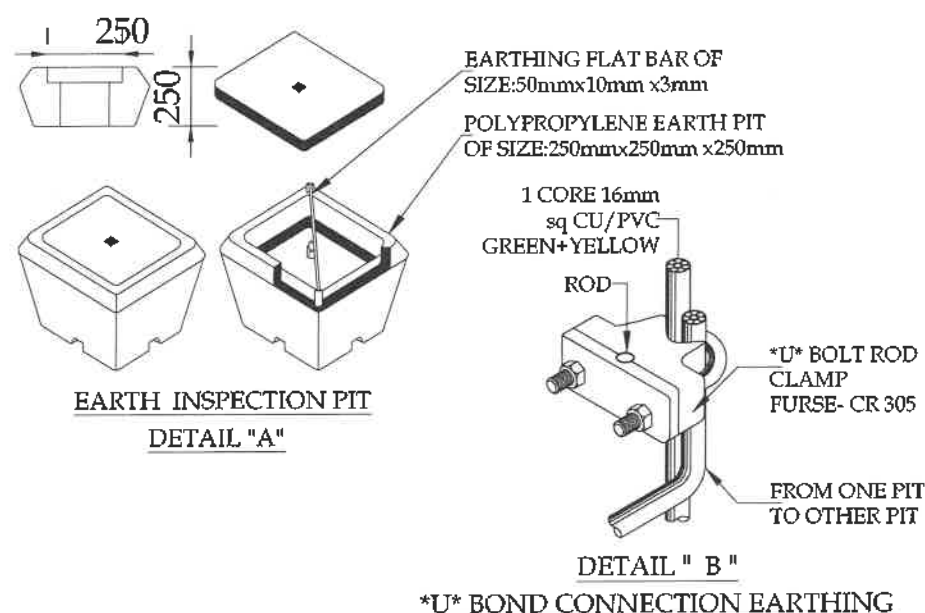
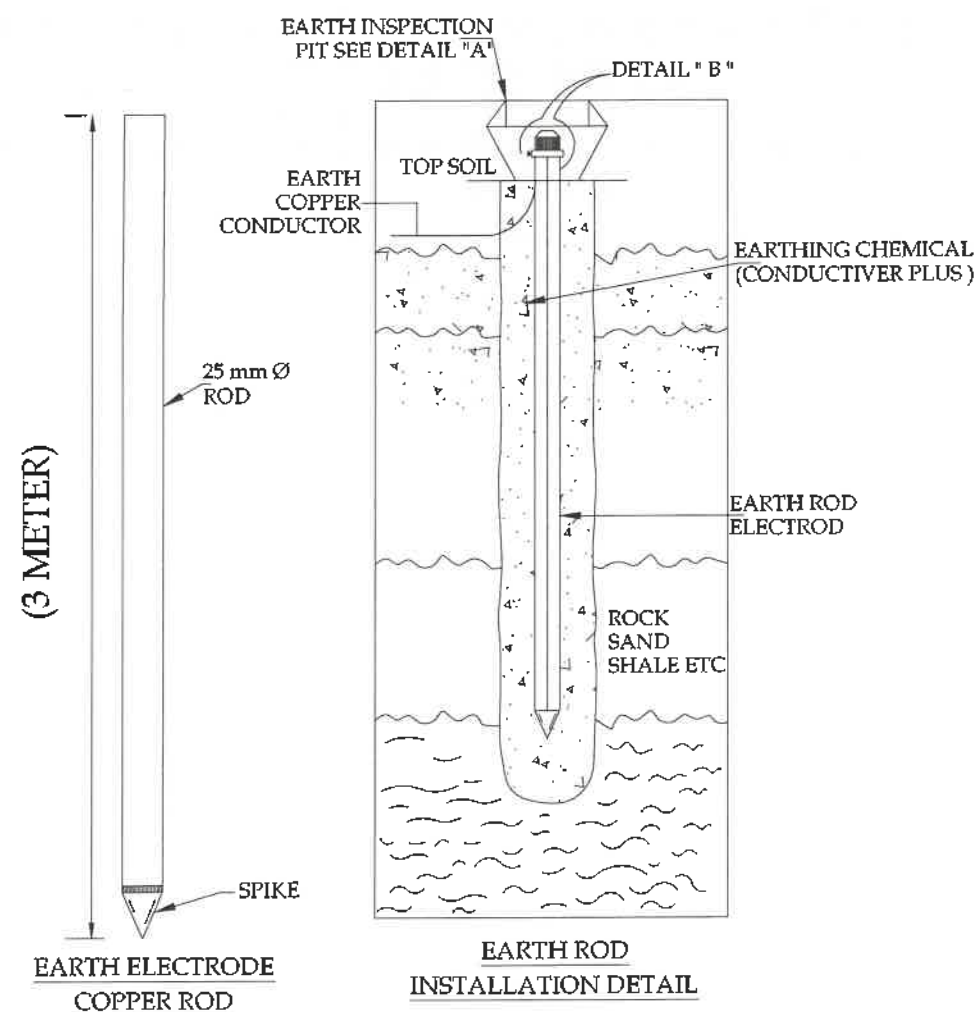
" FANS "				
NO.	SYMBOL	DESCRIPTION	SIZE	DETAIL
1		2X2 CEILING FAN	2'X2'	99.9% COPPER
2		EXHAUST FAN 12"Ø WITH PLASTIC BODY	12"Ø	99.9% COPPER

" L.V. SWITCH "				
NO.	SYMBOL	DESCRIPTION	TYPE	HIEGHT
1		10 AMP 1 WAY FLUSH TYPE SWITCH (SWITCH BOARD)	GANG TYPE SWITCH	4'-0" F.F.L
2		5 AMP LIGHT PLUG	3 PIN / 5 PIN	4'-0" F.F.L

" POWER "			
NO.	SYMBOL	DESCRIPTION	TYPE
1		3/5 PIN 15 AMP WALL SOCKET RECESSED TYPE	3/5 PIN
2		3/5 PIN 15 AMP WALL SOCKET RECESSED TYPE	3/5 PIN
3		FLOOR BOX	—
4		EARTHING SET ROD TYPE	—
5		PULL BOX 18"x18"	R.C.C/ BRICK
6		DISTRIBUTION BOARD * LIGHT & POWER *	IN DOOR TYPE
7		AC SWITCH BOARD 20A	3 PIN
8		SPLIT TYPE AC	—

" CCTV, FIRE ALARM SYSTEM "				
NO.	SYMBOL	DESCRIPTION	TYPE	HIEGHT
1		CLOSE CIRCUIT TELEVISION CAMERA (CCTV)	INDOOR TYPE	—
2		DOMO CAMERA	—	CEILING MOUNTING
3		NETWORK VIDEO RECORDER (NVR)	—	4'-0" F.F.L
4		SMOKE DETECTOR	—	CEILING MOUNTING
5		HANDCALL POINT WITH SOUNDER	—	8'-0" F.F.L
6		FIRE ALARM CONTROL PANEL (FACP)	—	4'-0" F.F.L

" TELEPHONE, DATA & PUBLIC ADDRESS SYSTEM "				
NO.	SYMBOL	DESCRIPTION	TYPE	HIEGHT
1		FLOOR BOX	—	—
2		DATASWITCH	—	4'-0" F.F.L
3		OPTICAL NETWORK TERMINAL (ONT)	—	4'-0" F.F.L
4		FIBER TO THE HOME (FTTH)	—	4'-0" F.F.L
5		SPEAKER	—	CEILING MOUNTING
6		AMPLIFIER (AMP)	—	4'-0" F.F.L



GENERAL NOTES:-

01 ELECTRICAL WORKS

ALL ELECTRICAL WORKS PERTAINING TO WIRING OF ELECTRICAL SYSTEMS SHALL STRICTLY CONFORM TO BS CODES (BS 7671).

02 ELECTRICAL CONDUITING

ALL WIRING SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN FALSE CEILING, WALLS, SLABS, COLUMNS AND FLOOR OR AS SHOWN ON DRAWINGS.

03 ELECTRICAL WIRING

THE WIRING SHOULD BE STARTED ONLY AFTER INSPECTION OF THE CONDUIT SYSTEM HAS BEEN COMPLETED AND ALL OUTLET BOXES ARE FIXED AT THEIR RESPECTIVE POSITIONS.

04 PVC CONDUITS

ALL PVC CONDUITS SHALL BE OF AS PER MENTIONED IN DRAWINGS & EVERY CONDUIT SHOULD BE 20% FREE SPACE (DEPENDENT UPON NUMBER OF WIRES) FROM SWITCH BOARD TO LIGHT POINTS & 1" DIA FROM DB TO SWITCH BOARDS AND POWER SOCKETS OR AS SHOWN ON DRAWINGS.

05 COLOUR CODING

COLOUR CODING FOR WIRING SHALL BE AS FOLLOWS: RED, YELLOW AND BLUE FOR PHASES, BLACK FOR NEUTRAL AND GREEN / YELLOW FOR CPC (EARTH).

06 EARTHING OF POINTS

ALL LIGHT POINTS AND POWER SOCKETS SHALL BE PROPERLY EARTHED WITH 1.5mm sq PVC INSULATED WIRES OF COLOUR YELLOW / GREEN.

07 CAPACITY OF CONDUITS

THE NUMBER OF WIRES TO BE PULLED IN ANY CONDUIT FOR WIRING PURPOSES SHALL CONFORM TO BS CODES (BS EN 61384-25:2011) & HAVE 30% CLEARANCE.

08 OTHER SYSTEMS

1" DIA PVC CONDUIT SHALL BE USED FOR WIRING OF ALL OTHER SYSTEMS UNLESS OTHERWISE MENTIONED ON PLANS OR AS SPECIFIED IN BOQ.

09 ELECTRICAL CONSULTANT

ELECTRICAL CONTRACTOR TO CONSULT ELECTRICAL CONSULTANT/ENGINEER FOR ANY FURTHER CLARIFICATIONS NO ASSUMPTIONS SHOULD BE MADE.

10 FERRULING

FERRULING SHOULD BE DONE ON ALL CIRCUITS FOR LIGHT & POWER & FERRULING SAMPLES SHOULD BE APPROVED BY THE ENGINEER / CONSULTANT.

NOTES FOR EARTHING SYSTEM

- 1- EARTH BORE SHALL BE MADE AT 6'-0" AWAY FROM R.C.C FOUNDATION.
- 2- DISTANCE BETWEEN 2 EARTH BORES SHALL NOT BE LESS THEN 10'-0"
- 3- COPPER CONDUCTOR AT TOP SHALL BE BOLTED WITH THIMBLES, BRASS NUTS, BOLTS ETC/ WELD POWDER.
- 4- JOINTS SHALL BE COVERED WITH HEAT SHRINKABLE TAPE.
- 5- CONTRACTOR TO MEASURE EARTHING RESISTANCE IN THE PRESENCE OF SITE ENGINEER. BOTH THE SITE ENGINEER AND CONTRACTOR SHALL SIGN THE EARTH TESTING RESULT AND SUBMIT IT TO THE CLIENT FOR RECORD WITH EQUIPMENT CALIBRATION CERTIFICATE.
- 6- THE EARTH RESISTANCE VALUE AFTER INSTALLATION SHALL BE LESS THAN ONE (1) OHM.
- 7- ALL MATERIAL OF THE ELECTRODE WILL BE OF COPPER.
- 8- THE EARLY STEAMER ROD WILL BE HANGED WITH PROPER HANGING ARRANGEMENT.



SNGPL
TITLE: CUSTOMER SERVICE CENTER
ELECTRICAL LEGENDS, NOTES &
EARTHING DETAIL LAYOUT PLAN

NO.	DATE	DESCRIPTION	APPROVED	REVISION
01	20/05/2024	DETAIL DESIGN	APPROVED	01
02	20/05/2024	TENDER DRAWINGS	APPROVED	01

DRAWING NO: SNGPL-CSC-AB-E-01
SHEET 02
REV 00

PROJECT: CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD

CLIENT:

CONSULTANT:

ASIAN CONSULTING ENGINEERS (PVT) LTD.
C-3 PHILUM BLOCK, GREEN FORT-4, LAHORE, PAKISTAN
TELEPHONE: +92 42 3540914-5 +92 32 442 71101
FAX: +92 42 3540918 WEB: www.asiancon.com

SCALE: $3/16" = 1'-0"$



TITLE	CUSTOMER SERVICE CENTER COORDINATION LAYOUT PLAN GROUND FLOOR
-------	---

ORIGINAL		DATE		SCALE	
A2		JANUARY, 2024			
SHEET NO.	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY
01	20-02-2024	DETAIL DESIGN	ABDUL KADIR	ABDUL KADIR	ABDUL KADIR
02	18-04-2024	TENDER DRAWINGS	ABDUL KADIR	ABDUL KADIR	ABDUL KADIR

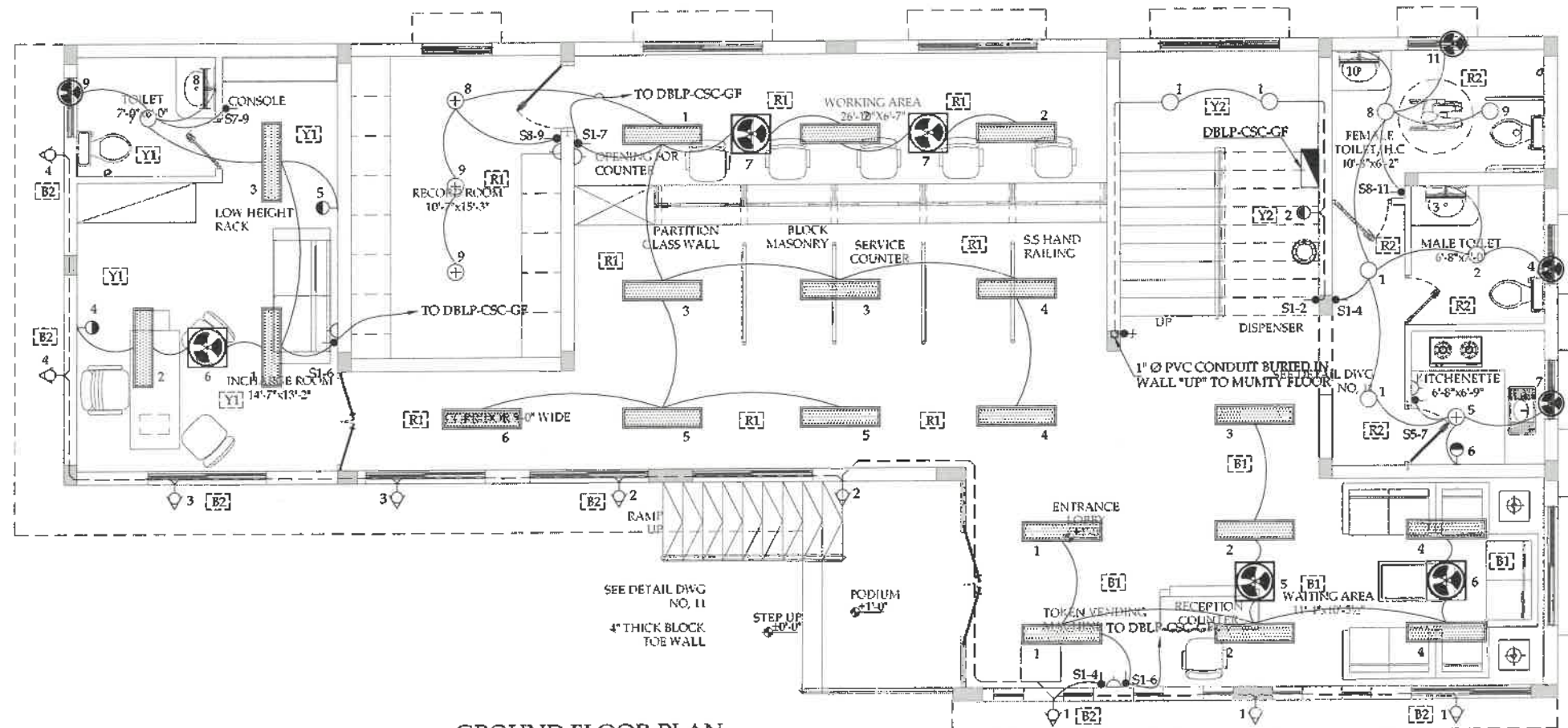
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DRAWING NO:			SHEET	REV	
SNGPL-CSC-AB-E-02			00	00	

PROJECT:
CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



Sri Haridra Gas Pipelines Limited
200PL

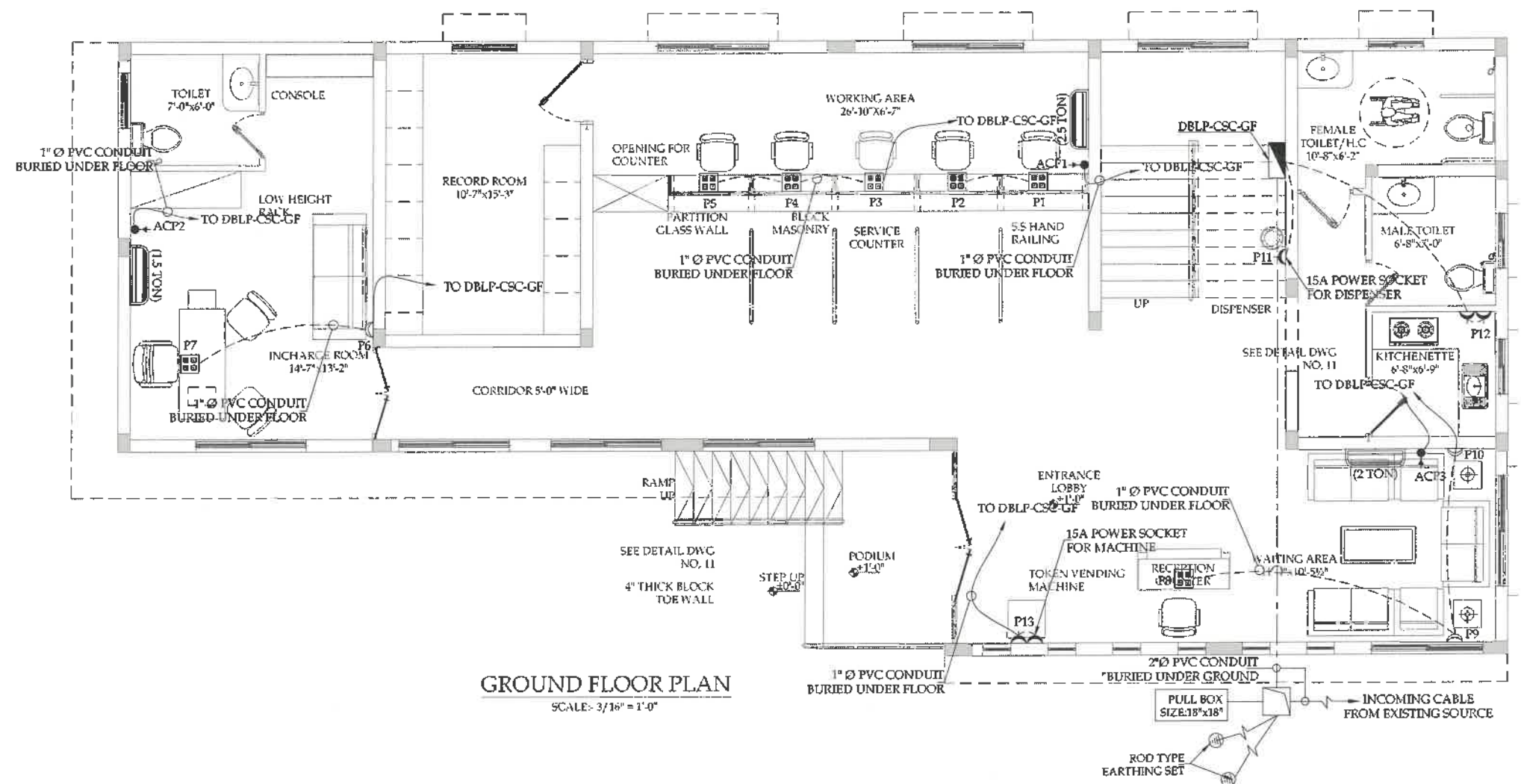
ASIAN CONSULTING ENGINEERS PVT.LTD
C-3 JHELM BLOCK, GREEN FORT-8, LAHORE, PAKISTAN
TELEPHONE: +92 42 3545091/4/5 +92 32-142-7110
FAX: +92 42 35450810 YTEB www.asiancon.com



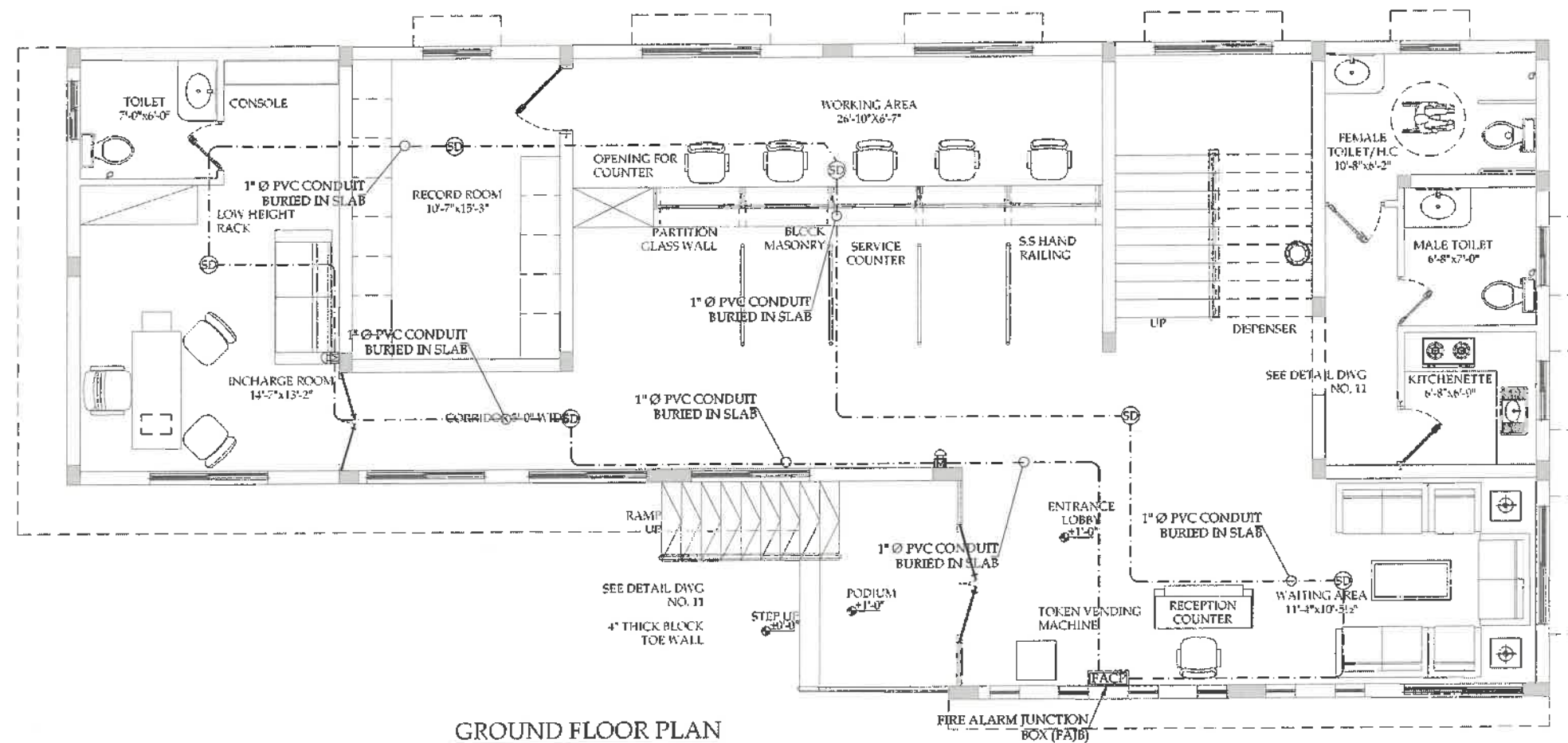
GROUND FLOOR PLAN
SCALE: 3/16" = 1'-0"



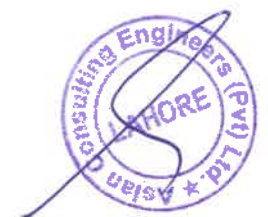
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TITLE: CUSTOMER SERVICE CENTER LIGHTING LAYOUT PLAN GROUND FLOOR				
ORIGINAL		DATE:		SCALE:
A2		JANUARY, 2024		
DRAWING NO.	DATE	DESCRIPTION	DRAWN	CHECKED
49	20-03-2024	DETAIL DESIGN	REHMAN	REHMAN
50	14-06-2024	TENDER DRAWINGS	REHMAN	REHMAN
DRAWING N°:			SHEET	REV
SNGPL-CSC-AB-E-03			00	00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD				
CLIENT:				
 Sui Northern Gas Pipelines Limited SNGPL				
CONSULTANT:				
 ASIAN CONSULTING ENGINEERS (PVT.) LTD. C-3, JHELIUM BLOCK, GREEN PORTAL LANDRIE, PAKISTAN TELEPHONE: +92 42 35450114-5 +92 32 142-71901 FAX: +92 42 35450115 WEB: www.asiancon.com				



SNGPL					
TITLE: CUSTOMER SERVICE CENTER AC & POWER LAYOUT PLAN GROUND FLOOR					
ORIGINAL:		DATE:		SCALE:	
A2		JANUARY, 2021			
ISSUE NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
01	25-03-2021	DETAIL DESIGN	DESIGNED	ASAD	ASAD
02	18-04-2021	TENDER DRAWINGS	DESIGNED	ASAD	ASAD
DRAWING NO:			SHEET	REV	
SNGPL-CSC-AB-E-04			01	00	
PROJECT:					
CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD					
CLIENT:					
 Sui Northern Gas Pipelines Limited SNGPL					
CONSULTANT:					
 ASIAN CONSULTING ENGINEERS (PVT) LTD C-3, HELHUW BLOCK, GREEN FORT-8, LAHORE, PAKISTAN TELEPHONE: +92-42-3546014-5, +92-32-34271101 Fax: +92-42-3546016, 1100 www.asiancon.com					



GROUND FLOOR PLAN
SCALE: 3/16" = 1'-0"



SNGPL
TITLE: CUSTOMER SERVICE CENTER
FIRE ALARM SYSTEM LAYOUT
PLAN GROUND FLOOR

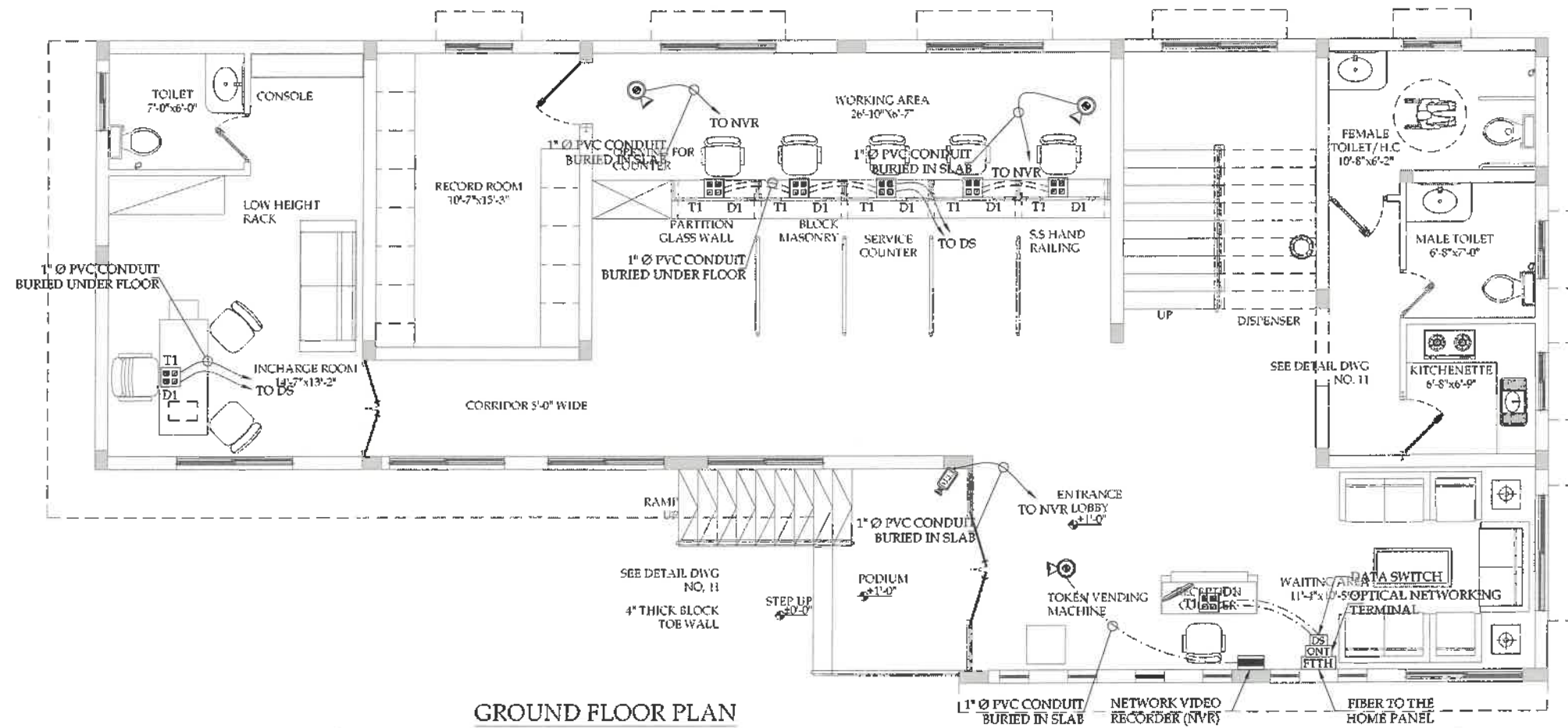
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04-04-2024	TENDER DRAWINGS	ASIM	ASIM	ASIM

DRAWING NO: SNGPL-CSC-AB-E-05
SHEET 00
REV 00

PROJECT:
CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT) LTD.
D-11, JHELLUM BLOCK, GREEN FORT-4, LAHORE, PAKISTAN
TELEPHONE: +92 42 3545914-5 +92 32-14271901
FAX: +92 42 3545916 WEB: www.asiancon.com



GROUND FLOOR PLAN
SCALE: 3/16" = 1'-0"



SNGPL
TITLE: CUSTOMER SERVICE CENTER
DATA, TELEPHONE & CCTV SYSTEM
LAYOUT PLAN GROUND FLOOR

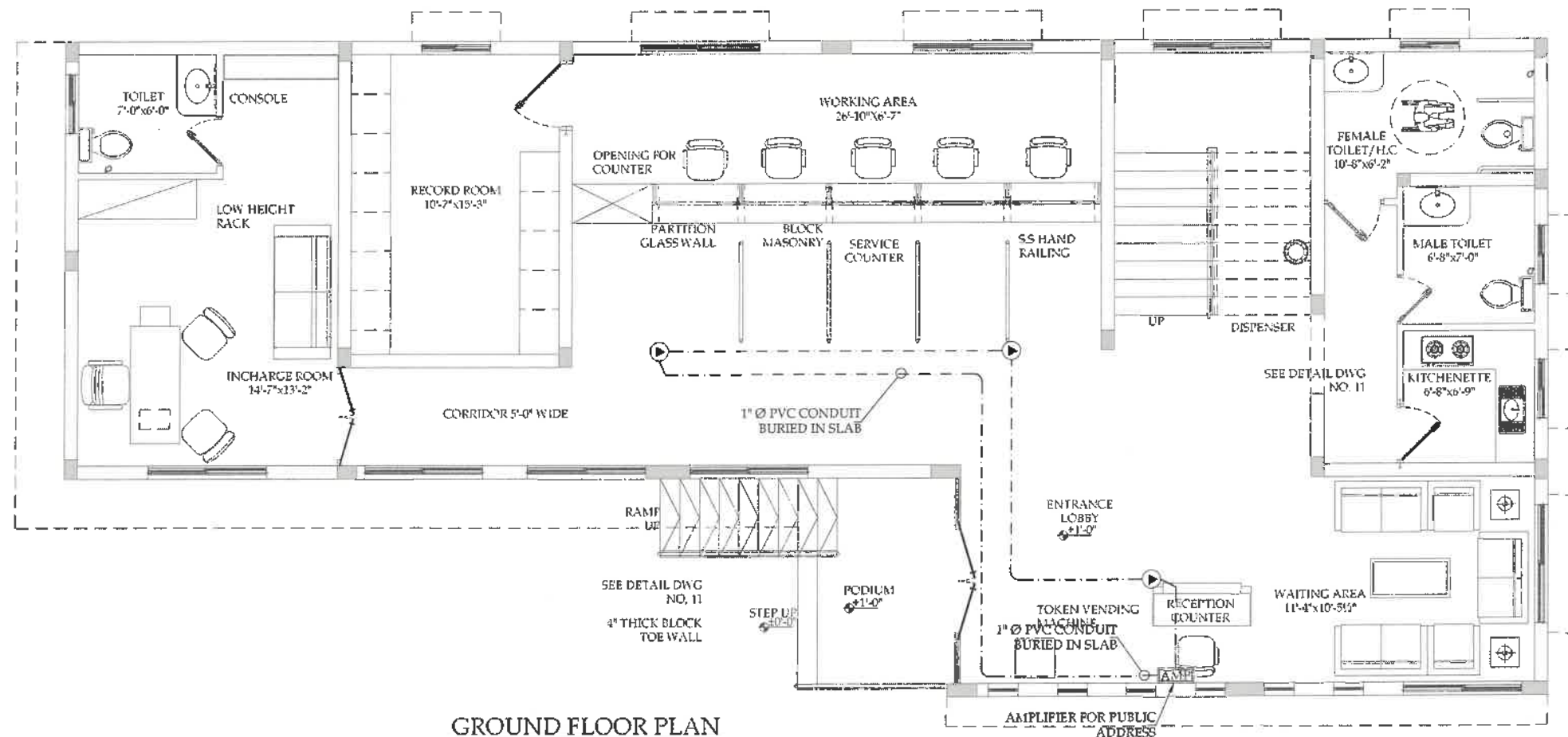
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01-01-2024	DETAIL DESIGN	ASAD	ASAD	ASAD
02-01-2024	REVISION	ASAD	ASAD	ASAD

DRAWING NO.	SHEET	REV
SNGPL-CSC-AB-E-06	01	00

PROJECT:
CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT) LTD.
C-3, JHELLUM BLOCK, GREEN FORT, LAHORE, PAKISTAN
TELEPHONE: +92 42 35400145 +92 32 442 71401
FAX: +92 42 35400146 WEB: WWW.ASIANCONSULTANTS.COM



GROUND FLOOR PLAN
SCALE: 3/16" = 1'-0"



SNGPL
TITLE: CUSTOMER SERVICE CENTER
PUBLIC ADDRESS SYSTEM
LAYOUT PLAN GROUND FLOOR

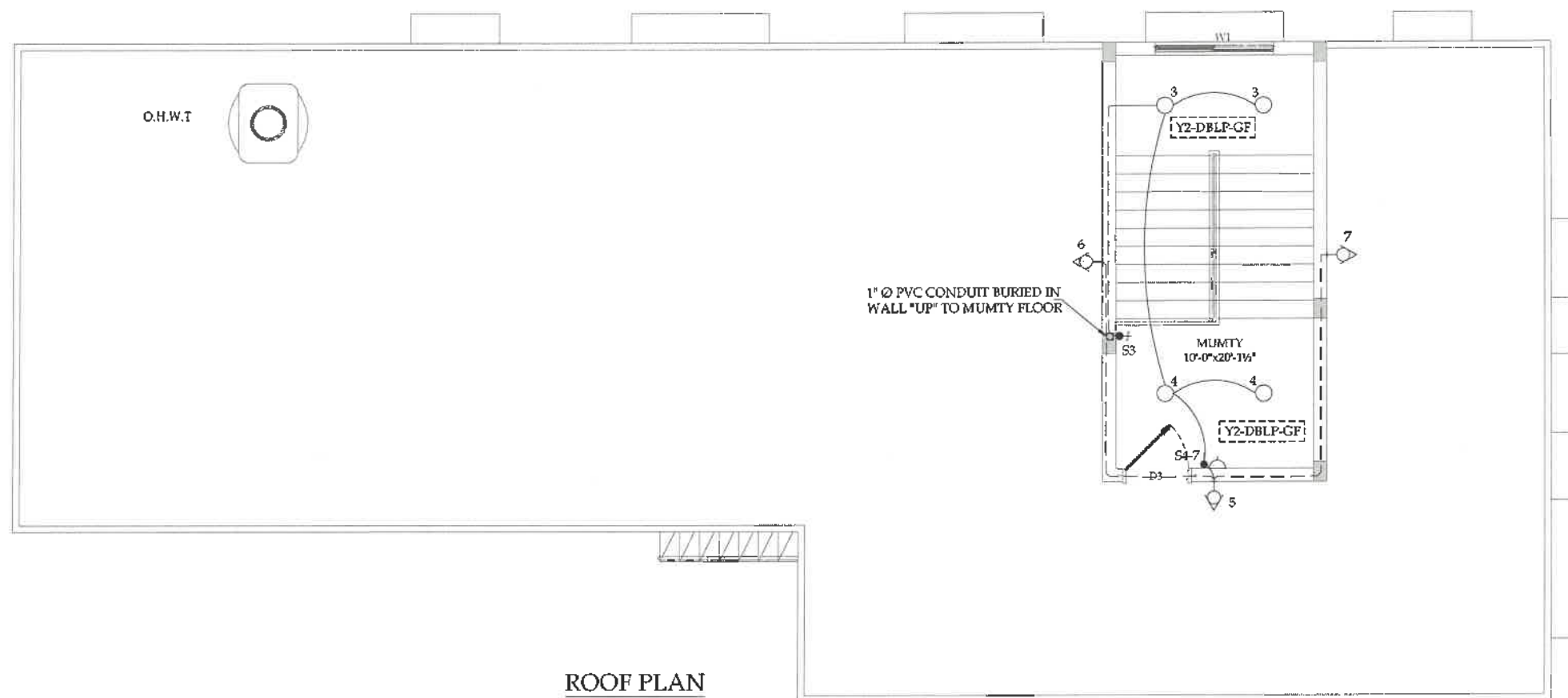
REVISION	DATE	DESCRIPTION	DRAWN	DESIGNED	APPROVED
01	20-03-2024	DETAIL DESIGN	REHMAN	ENG.	ENG.
02	14-04-2024	TECHNICAL DRAWING	REHMAN	REHMAN	REHMAN

DRAWING NO: SNGPL-CSC-AB-E-07
SHEET 00
REV 00

PROJECT: CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



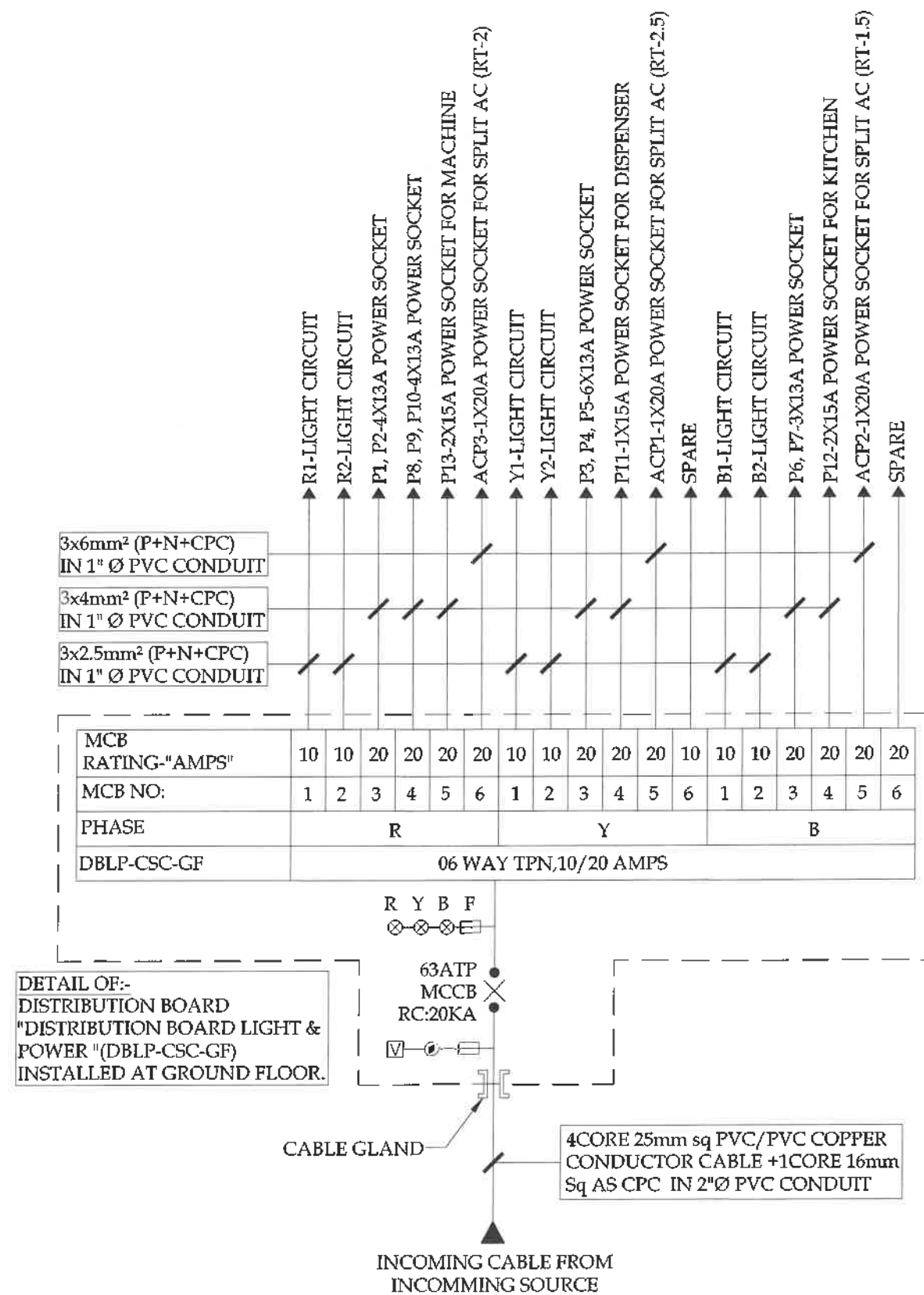
CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT) LTD
C-3 JHELM BLOCK GREEN FORT-3, LAHORE, PAKISTAN
TELEPHONE: +92 42 35409145 +92 32 142 71101
FAX: +92 42 35409145 WEB: www.asiancon.com



ROOF PLAN
SCALE: 3/16" = 1'-0"



SNGPL	
TITLE: CUSTOMER SERVICE CENTER LIGHTING LAYOUT PLAN MUMTY FLOOR	
ORIGINAL	DATE: JANUARY, 2020
SCALE	
DATE	DESCRIPTION
01	DETAIL DESIGN
02	TENDER DRAWINGS
DRAWING NO: SNGPL-CSC-AB-E-08	
SHEET 00	REV 00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD	
CLIENT:	
CONSULTANT:	
ASIAN CONSULTING ENGINEERS (PVT) LTD. C-3 JHILLUM BLOCK, GREEN PORTAL, LAHORE, PAKISTAN TELEPHONE: +92-42-3540061-45 +92-30-142-71101 FAX: +92-42-3540061-15 WEB: www.asianco.com	



SNGPL

TITLE: CUSTOMER SERVICE CENTER
SINGLE LINE DIAGRAM PLAN OF
DBLP-CSC-GROUND FLOOR

DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
20-08-2024	DETAIL DESIGN			
18-08-2024	TECHNICAL APPROVAL			

DRAWING NO: SNGPL-CSC-AB-E-09

SHEET 00

REV 00

PROJECT: CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD

CLIENT:

CONSULTANT:

ASIAN CONSULTING ENGINEERS PVT. (LTD.)
C-3 JHELM BLOCK, GREENPORT-II, LAHORE, PAKISTAN
TELEPHONE: +92 42 35452914-5 +92 32-142-71101
Fax: +92 42 35452918 +9233 www.asiancon.com

LEGEND (WATER SUPPLY) :

COLD WATER PIPE

HOT WATER PIPE

GAS PIPE

FIRE FIGHTING PIPE

ELECTRIC GEYSER

GAS GEYSER

GAS INSTANT GEYSER

SHOWER

WATER TAP

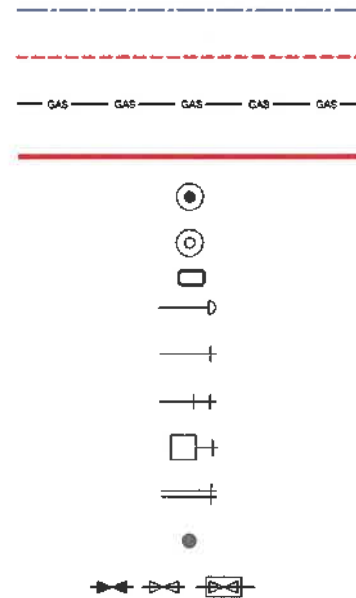
WATER TAP + MUSLIM SHOWER

GARDEN HYDRANT

COLD AND HOT WATER MIXING UNIT

WATER STACK

BALL VALVE/GATE VALVE / WITH CHAMBER



LEGEND BUILDING DRAINAGE

SOIL PIPE (uPVC)

WASTE PIPE (uPVC)

SOIL OR WASTE PIPE (uPVC) ENCASED

RCC SEWER PIPE

W-C ENGLISH TYPE

W-C ASIAN TYPE

KITCHEN SINK BOWL

KITCHEN SINK SINGLE BOWL, SINGLE TRAY

KITCHEN SINK SINGLE BOWL, DOUBLE TRAY

KITCHEN SINK DOUBLE BOWL, DOUBLE TRAY

WASH HAND BASIN/ COUNTER VANITY

LABORATORY SINK

URINAL

SOIL / WASTE STACK

VENT STACK

MANHOLE TYPE - A

MANHOLE TYPE - B

GULLY TRAP WITH CI COVER

GULLY TRAP WITH GRATING

FLOOR TRAP

P TRAP WITH GRATING

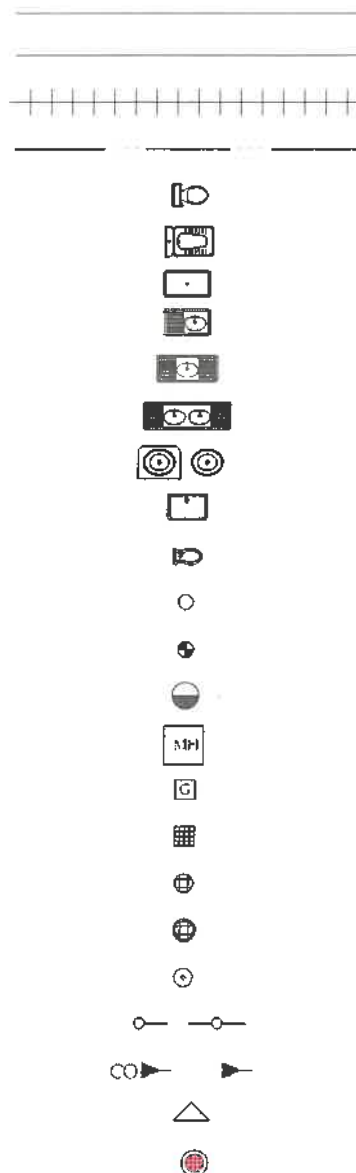
BOTTLE NECK TRAP C.P BRASS

WASTE BEND / TEE

CLEAN OUT / CLEANING EYE

GAS METER

HEAVY DUTY CLEAN OUT (HCO)



ABBREVIATIONS

WHB	WASH HAND BASIN
WC	WATER CLOSET
C/W	COLD WATER
H/W	HOT WATER
C/H	COLD & HOT WATER
M/W	MIXED WATER
MH	MAN HOLE
GT	GULLY TRAP
FT	FLOOR TRAP
FF	FIRE FIGHTING
ASP	ANTI SYPHONIC PIPE
LG/F	LOWER GROUND FLOOR
UG/F	UPPER GROUND FLOOR
G/F	GROUND FLOOR
F/F	FIRST FLOOR
S/F	SECOND FLOOR
T/F	THIRD FLOOR

PIPE SLOPES

300mmØ	12"Ø	1 IN 330
225mmØ	9"Ø	1 IN 225
160mmØ	6"Ø	1 IN 180
110mmØ	4"Ø	1 IN 100
75mmØ	3"Ø	1 IN 75
50mmØ	2"Ø	1 IN 50

GENERAL NOTES

- ALL SOIL AND WASTE PIPES SHALL BE uPVC CONFORMING TO ISO 3633 / PS 3214 TYPE 'B'.
- ALL VENT OR ASP PIPES SHALL BE uPVC CONFORMING TO ISO 3633 / PS 3214 TYPE 'B'. ALL VENT PIPES SHALL BE UPTO 1' ABOVE OF FINISHED ROOF LEVEL.
- ALL JOINTS FOR uPVC PIPES AND FITTING SHALL BE MADE WITH SOLVENT CEMENT SOCKET CONFORMING TO ISO 3633 : 1991 AND WHERE NECESSARY RUBBER RING SOCKET JOINT CONFORMING TO DIN 19560 SHALL BE PROVIDED.
- PIPES FOR COLD WATER SUPPLY INSIDE THE TOILETS UPTO CONNECTION FROM STACKS/BUILDING OUTER LINE SHALL BE POLYPROPYLENE RANDOM CONFORMING TO DIN 8077 - 8078 - PN 10 AND FITTINGS CONFORMING TO DIN 16962 - PN 25 , AND SHALL BE THERMALLY ISOLATED.
- PIPES FOR HOT WATER SUPPLY SHALL BE POLYPROPYLENE RANDOM CONFORMING TO DIN 8077 - 8078 - PN 20 AND FITTINGS CONFORMING TO DIN 16962 - PN 25 AND SHALL BE THERMALLY ISOLATED.
- ALL PIPE DIAMETER, INCLUDING RCC SHOWN ON THE DRAWINGS MEAN INNER DIAMETER OF THE SAME OR OTHERWISE MENTIONED.
- ALL EXTERNAL WATER SUPPLY PIPES SHALL BE OF POLYETHYLENE (PE) SDR - 11 CONFORMING TO DIN 8074 / 8075 AND PS - 3580 - 1994 AND PE FITTINGS , SPECIALS CONFORMING TO ISO 3458, 3459, 3501, 3503 BS 5114. OR G.I WHERE MENTIONED ON THE DRAWINGS OR EXPOSE TO SUNLIGHT.
- ALL WATER SUPPLY PPR/PE PIPE SIZES SHALL BE BASED ON OUTER DIA UNLESS OTHERWISE MENTIONED.
- ALL PIPES MANHOLE TO MANHOLE SHALL BE R.C.C. 9" Ø OR OTHERWISE MENTIONED ON THE DRAWINGS.
- GULLY TRAP TO MANHOLE, uPVC PIPES AS LISTED IN NOTE Nr. 1 SHALL BE USED
- INSTALLATION OF INSTANT TYPE GAS GEYSER SHOULD BE STRICTLY AS PER INSTRUCTIONS OF THE MANUFACTURERS MOREOVER IT SHOULD BE INSTALLED IN OPEN TO SKY LOCATION WITH G.I SHEET SHELTER ,IF UNAVOIDABLY BE INSTALLED IN COVERED AREA THEN ADEQUATE VENT ARRANGEMENT BE PROVIDED TO AVOID ANY TYPE OF INCIDENT /DISCOMFORT
- ELECTRIC WATER HEATER SHALL BE CLAMPED WITH THE WALL AT 6' CLEAR HEIGHT.
- ALL PPRC, PE AND uPVC PIPES SHALL BE IN THE DUCTS, EMBEDDED IN WALLS OR SOME SUITABLE ARRANGEMENT SHALL BE MADE, AS PER SITE SITUATION, TO AVOID DIRECT CONTACT WITH THE SUNLIGHT, AS PER INSTRUCTIONS OF THE ENGINEER INCHARGE.
- ALL BUILDING DRAINAGE PIPES SHALL HAVE A MINIMUM SLOPE AS MENTIONED ABOVE AND PROVISION OF CLEAN OUT/CLEANING EYES ACCORDING TO MANDATORY REGULATIONS.
- WHERE SITE SITUATION ALLOW MORE THAN ONE VENT STACKS MAY BE COMBINE INTO ONE STACK. MOREOVER IF LEVELS AND PIPE CROSSINGS HELP AT SITE, PROVISION OF ONE GULLY TRAP MAY BE ADAPTED INSTEAD OF TWO OR THREE.
- USE CONCRETE (1:2:4) MIN. 3" THICK ENCASEMENT TO ALL BUILDING DRAINAGE PIPES
- ROOF DRAINAGE SLOPE SHOULD BE 0.3%.
- LOCATION AND SIZE OF SELVES FOR SOIL/WASTE PIPES SHOULD BE ESTABLISHED BY THE CONTRACTOR IN THE SHOP DRAWINGS FOR APPROVAL FROM THE ENGINEER INCHARGE.

PE/PPRC/uPVC PIPES

PIPE SIZE MENTIONED IN THE DRAWING	EQUAL TO PIPE SIZE		
	PE	PPRC	uPVC
½"Ø	20mm O/D	20mm O/D	---
¾"Ø	25mm O/D	32mm O/D	---
1"Ø	32mm O/D	40mm O/D	---
1¼"Ø	40mm O/D	50mm O/D	---
1½"Ø	50mm O/D	63mm O/D	40mm O/D
2"Ø	63mm O/D	75mm O/D	50mm O/D
2½"Ø	75mm O/D	90mm O/D	---
3"Ø	90mm O/D	110mm O/D	75mm O/D
4"Ø	125mm O/D	---	110mm O/D
5"Ø	160mm O/D	---	---
6"Ø	180mm O/D	---	160mm O/D
8"Ø	250mm O/D	---	200mm O/D



SNGPL
TITLE: CUSTOMER SERVICE CENTER
LEGEND PLUMBING

ORIGINAL		DATE		SCALE	
A2		JANUARY, 2024			
DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED	
01	DESIGN	CHAND	ENG. USMAN	ENG. USMAN	
02	ISSUANCE	TENDER DRAWINGS	CHAND	ENG. USMAN	

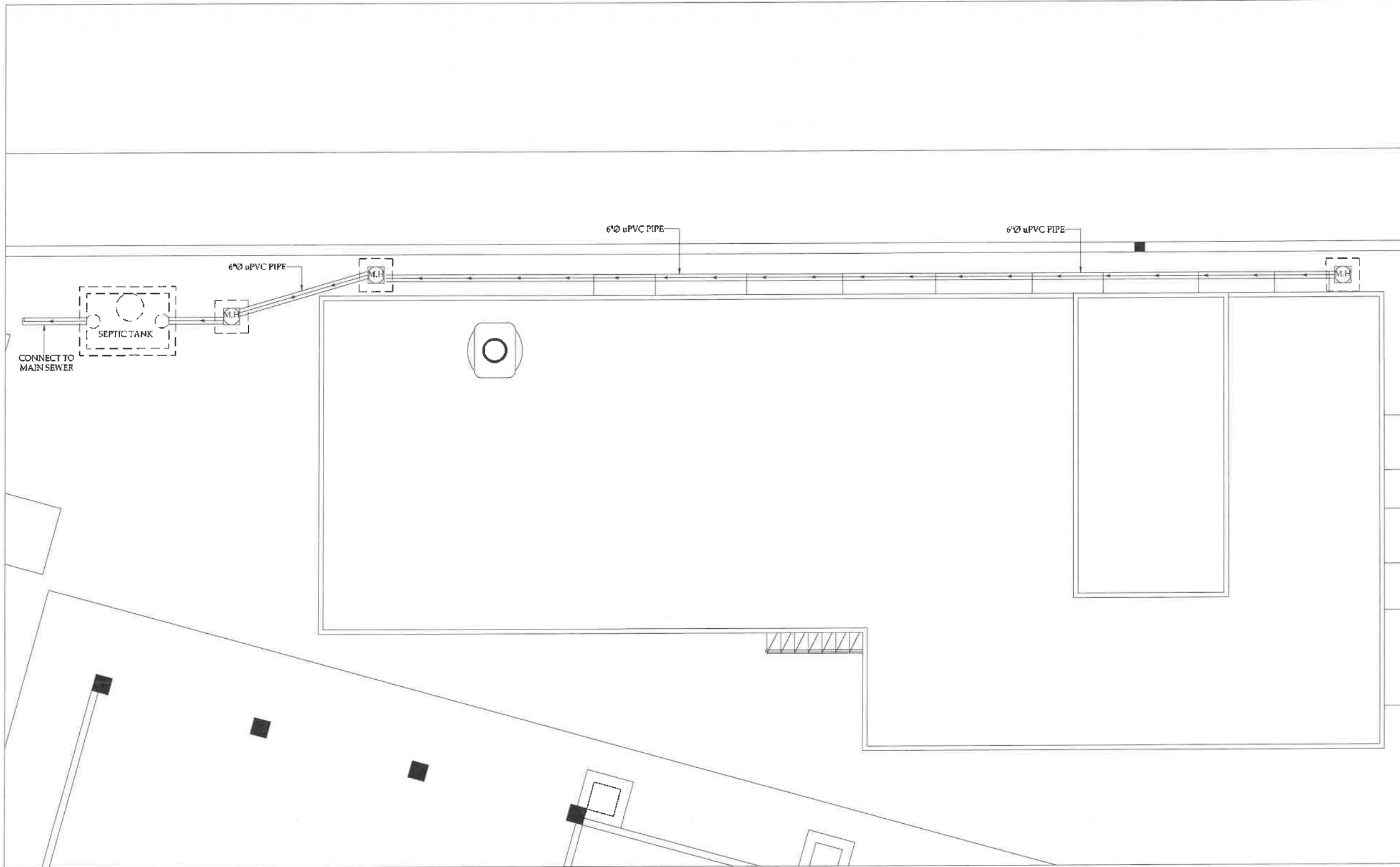
DRAWING N°:
SNGPL-CSC-AB-P-01
SHEET
00
REV
00

PROJECT:
CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD

CLIENT:

CONSULTANT:

ASIAN CONSULTING ENGINEERS (PVT.) LTD.
G-3, HELIX BLOCK, GREEN FORT-3, LAHORE, PAKISTAN
TELEPHONE: +92 42 35480145 - +92 32-142-71101
FAX: +92 42 35480145 PAGER: www.asiancon.com



SNGPL
 TITLE: CUSTOMER SERVICE CENTER
 EXTERNAL SEWERAGE
 LAYOUT PLAN

ISSUE NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	APPROVED BY
01	20/01/2024	PRELIMINARY DESIGN	CHAYLA	CHAYLA	ENG. USMAN
02	21/01/2024	FINAL DESIGN	CHAYLA	CHAYLA	ENG. USMAN

DRAWING NO.	SHEET NO.	REV
SNGPL-CSC-AB-P-02	01	00

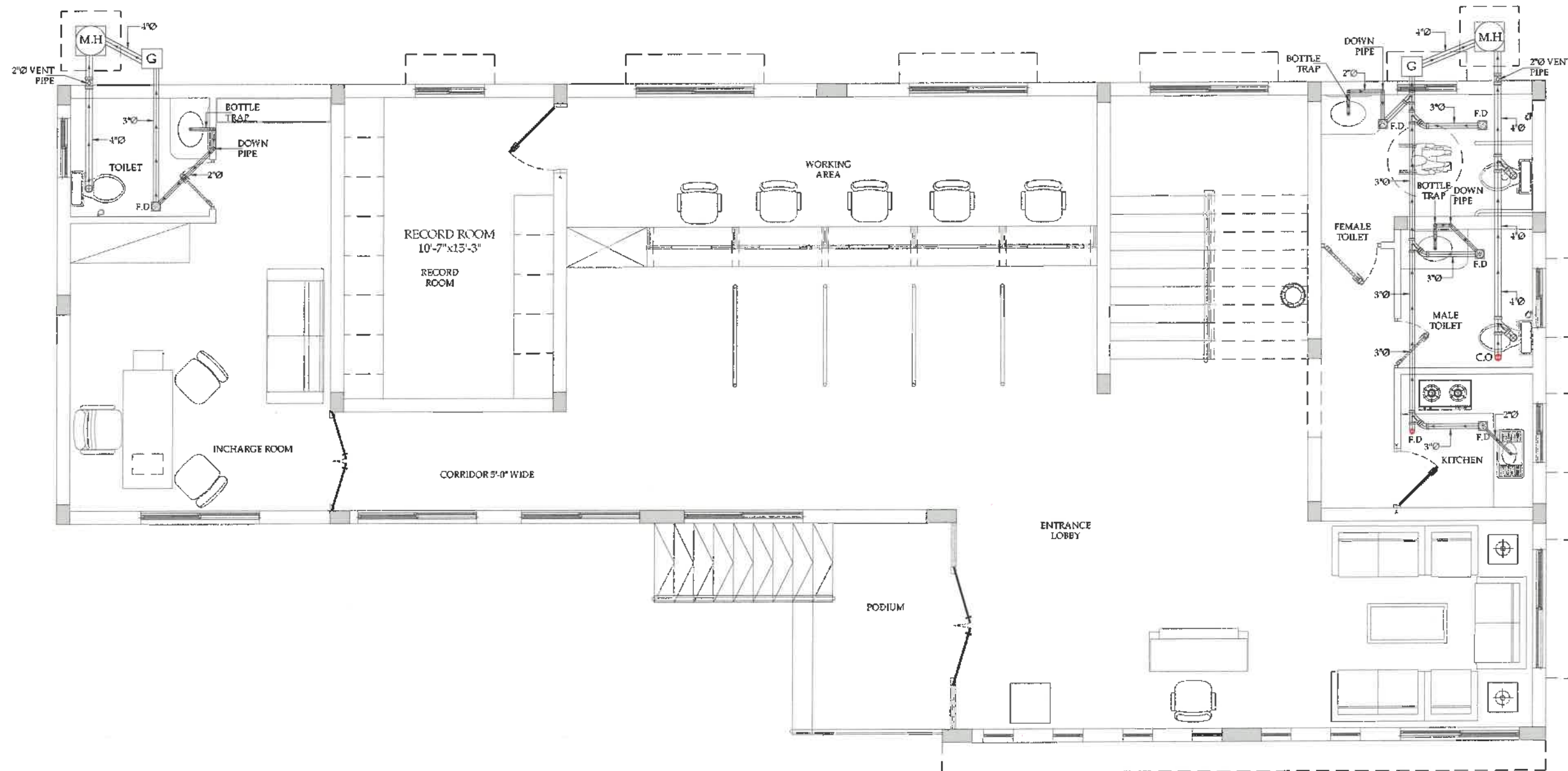
PROJECT:
 CUSTOMER SERVICE CENTER AT
 REGIONAL DISTRIBUTION OFFICE
 ABBOTTABAD



CONSULTANT:

 ASIAN CONSULTING ENGINEERS (PVT) LTD.
 C-3 JHELM BLOCK, GREEN PORT-8, LAHORE, PAKISTAN
 TELEPHONE: +92 42 35450914-5 +92 32 142 1110
 FAX: +92 42 35450918 Y488 www.asiancon.com

SNGPL-CSC-AB-P-02



SNGPL
TITLE: CUSTOMER SERVICE CENTER
SEWERAGE LAYOUT
PLAN GROUND FLOOR

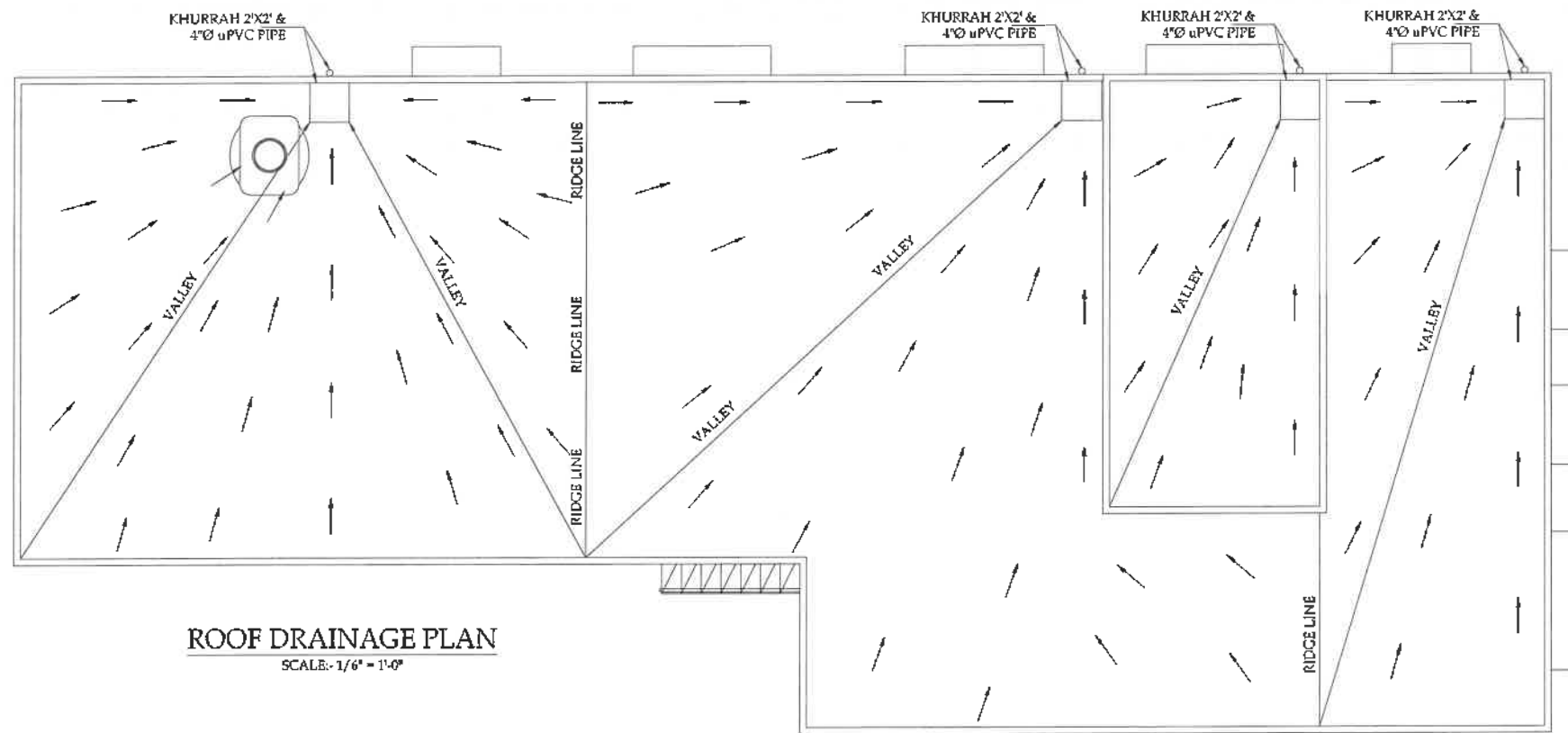
NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
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02	10-09-2024	TENDER DRAWINGS	SAJID	ENG. SAJID	ENG. LAMAR

DRAWING NO.	SHEET	REV
SNGPL-CSC-AB-P-03	00	00

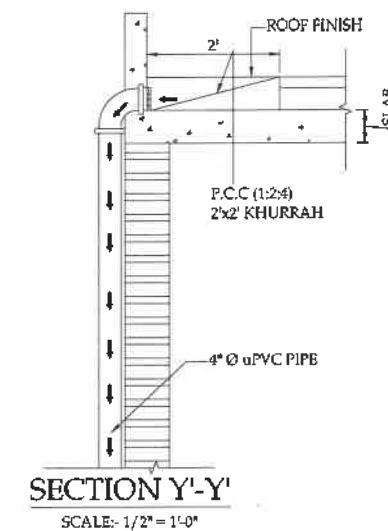
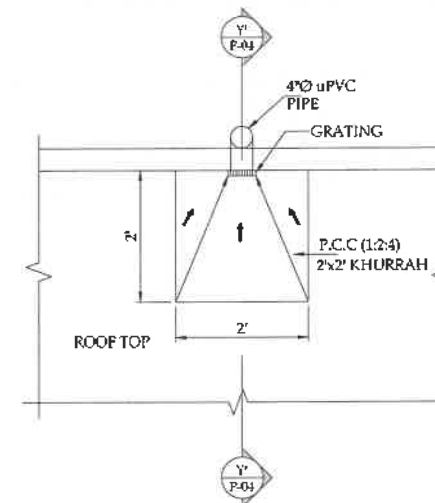
PROJECT:
CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



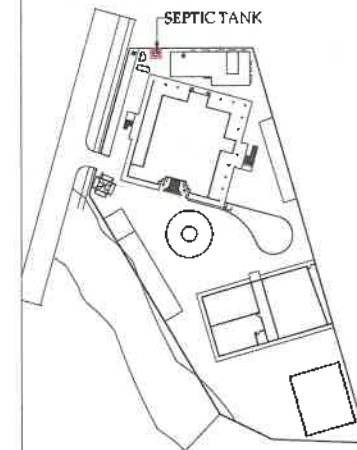
CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT.) LTD.
C-3 BHELM BLOCK GREEN FORT-8, LAHORE, PAKISTAN
TELEPHONE: +92 42 35450614-5 +92 32 14271101
FAX: +92 42 35450615 WWW.ASIANCONSULT.COM



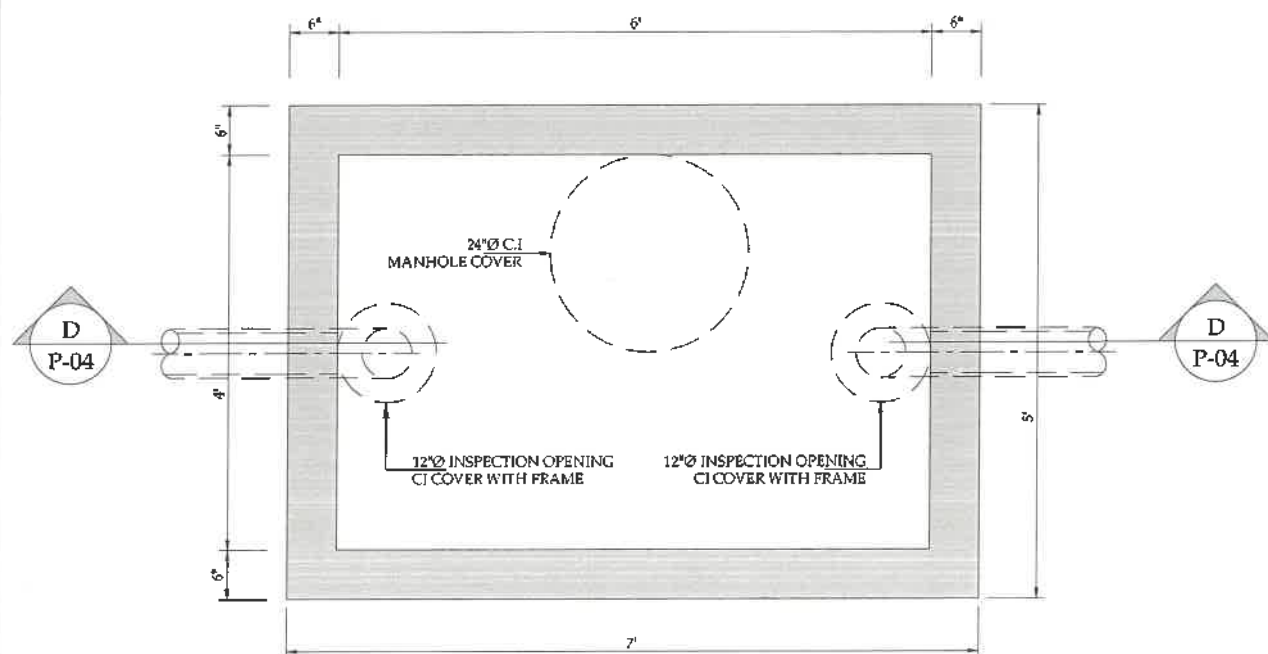
ROOF DRAINAGE PLAN
SCALE: 1/6" = 1'-0"



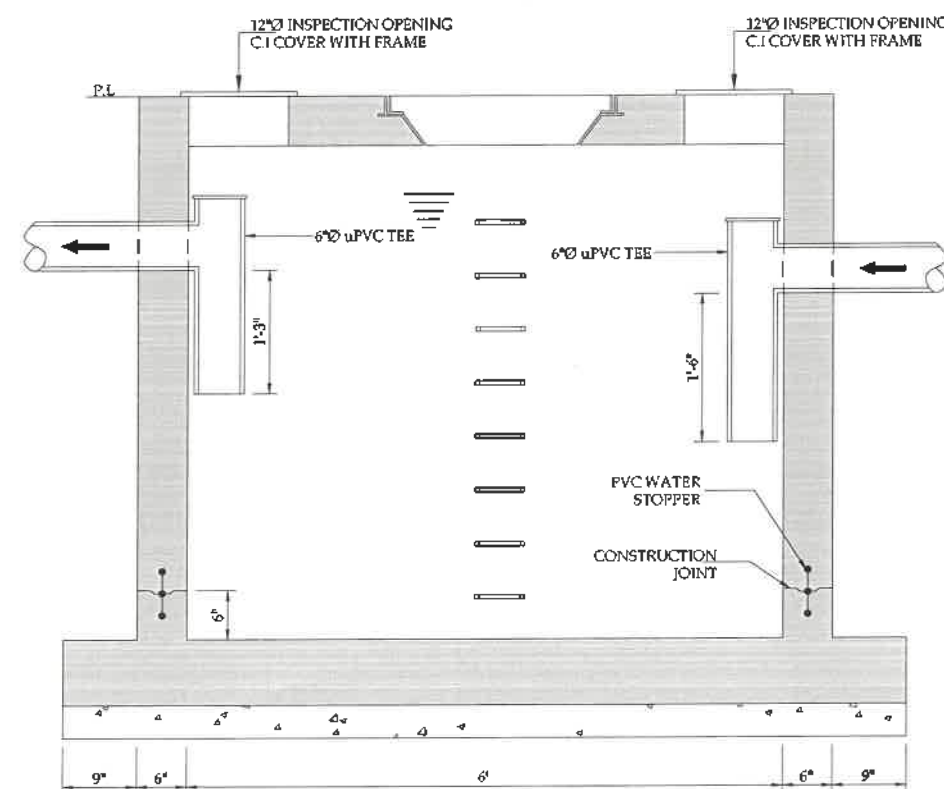
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SCALE: 1/2" = 1'-0"



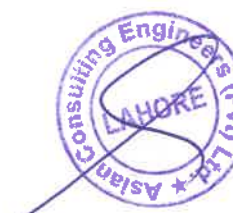
KEY PLAN



SEPTIC TANK DETAIL
SCALE: 3/4" = 1'-0"



SECTION D-D
SCALE: 3/4" = 1'-0"



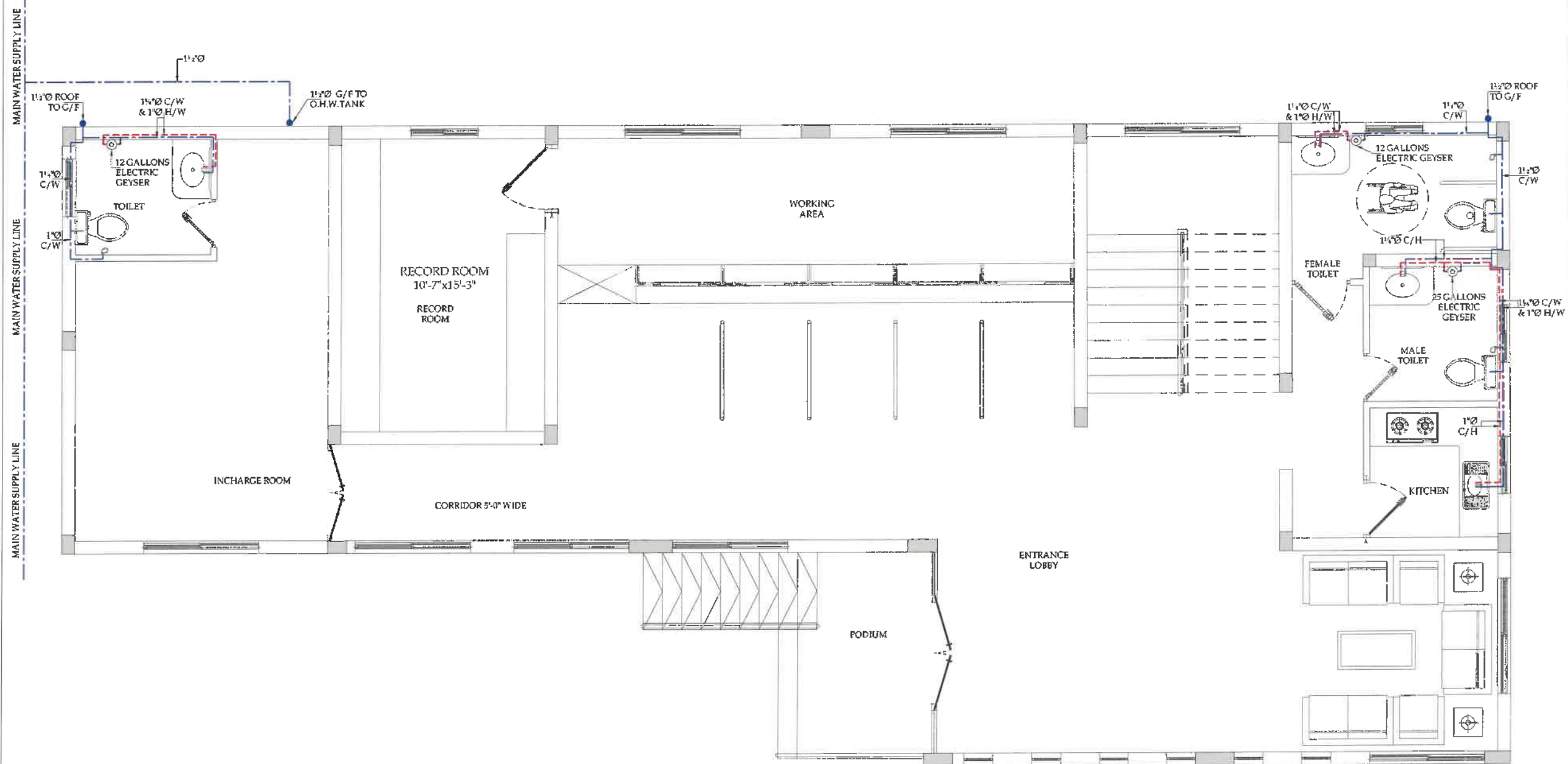
SNGPL				
TITLE: CUSTOMER SERVICE CENTER ROOF DRAINAGE & SEPTIC TANK DETAIL				
CRITICAL	A2	DATE	JANUARY, 2024	SCALE:
ISSUE	DATE	DESCRIPTION	DRAWN	DESIGNED
01	20-03-2024	DETAIL DESIGN	UNIMAL	ENG. USMAN
02	18-04-2024	TENDER DRAWINGS	UNIMAL	ENG. USMAN
DRAWING NO:		SNGPL-CSC-AB-P-04		REV
		00		00

PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD

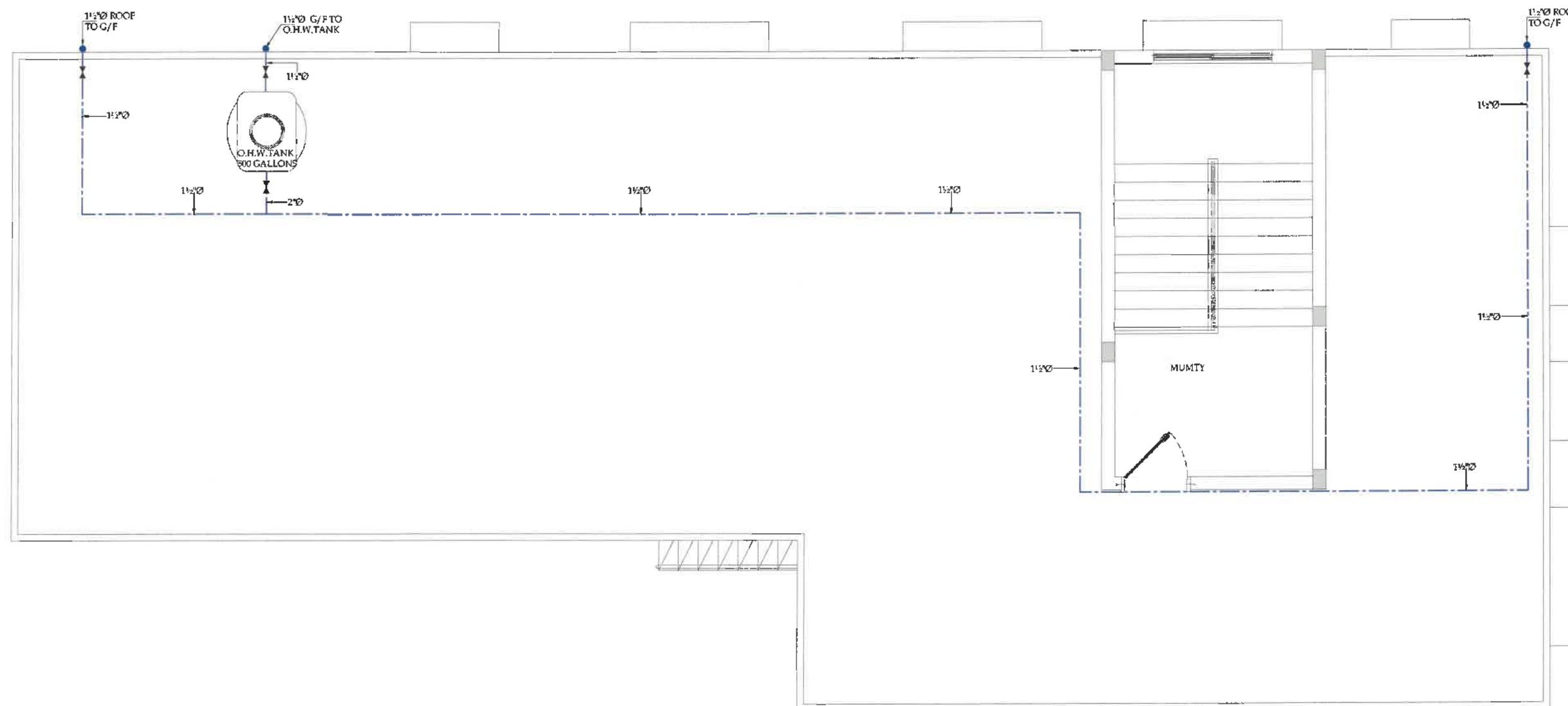


CONSULTANT: ASIAN CONSULTING ENGINEERS (PVT) LTD.
C-3 J-HILLUM BLOCK GREEN FORT-8, LAHORE, PAKISTAN
TELEPHONE: +92 42 35459145 +92 32 142 71191
FAX: +92 42 3545915 Y1081 WWW.ASIANCONSULT.COM

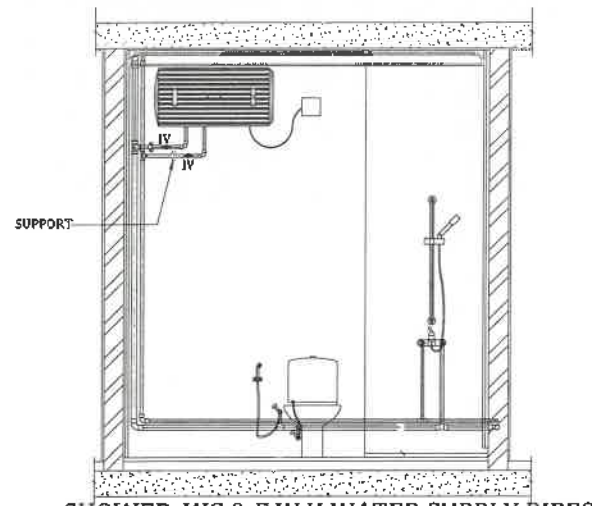
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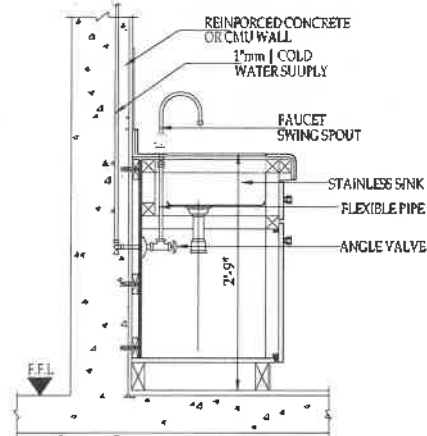
SNGPL			
TITLE: CUSTOMER SERVICE CENTER			
WATER SUPPLY LAYOUT			
PLAN GROUND FLOOR			
ORIGINAL	DATE:	SUMMARY, 2024	SCALE
01	20-09-2024	DETAIL DESIGN	ASAP
02	18-06-2024	TOPOGRAPHY	ENG. UNANI
DRAWING N°:		SHEET	REV
SNGPL-CSC-AB-P-05		00	00
PROJECT:			
CUSTOMER SERVICE CENTER AT			
REGIONAL DISTRIBUTION OFFICE			
ABBOTTABAD			
CLIENT:			
 SNGPL			
CONSULTANT:			
 ASIAN CONSULTING ENGINEERS (PVT) LTD. C-3 ANJUM BUCK GREENWORTH LANE, KARACHI-75200 TEL: 35850011-5, 35850012-1111 FAX: 35850011-1111			



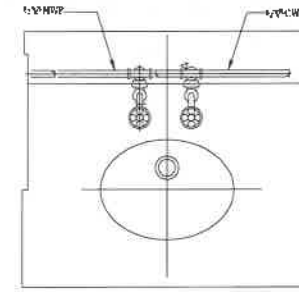
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TITLE: CUSTOMER SERVICE CENTER				
WATER SUPPLY LAYOUT				
PLAN ROOF TOP				
ORIGINAL		DATE		SCALE:
A2		JANUARY, 2024		
ISLE NO.	DATE	DESCRIPTION	DESIGNED	APPROVED
01	25-01-2024	DETAIL DESIGN	DAMIAN	SNGPL DESK. VICE.
02	25-01-2024	TRACER DRAWINGS	DAMIAN	SNGPL DESK. VICE.
DRAWING N°:			SHEET	REV
SNGPL-CSC-AB-P-06			01	00
PROJECT:				
CUSTOMER SERVICE CENTER AT				
REGIONAL DISTRIBUTION OFFICE				
ABBOTTABAD				
CLIENT:				
 Sui Northern Gas Pipelines Limited SNGPL				
CONSULTANT:				
 ASIAN CONSULTING ENGINEERS (PVT) LTD. C-3 BELLUM BLOCK, GREEN FORT-4, LAHORE, PAKISTAN TELEPHONE: +92-42-35450914-5 +92-32-42-71301 FAX: +92-42-35450915 Y-42B www.asianco.com				



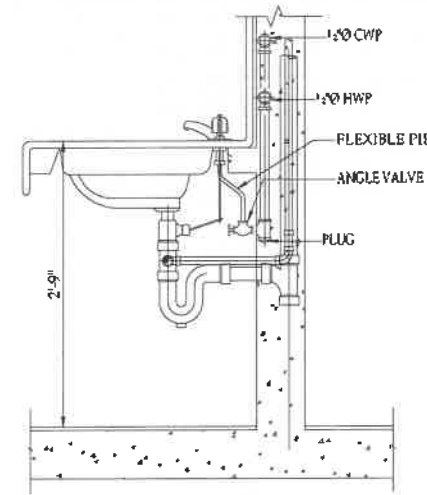
SHOWER, WC & E.W.H WATER SUPPLY PIPES
ARRANGEMENT DETAIL
SCALE: 3/4" = 1'-0"



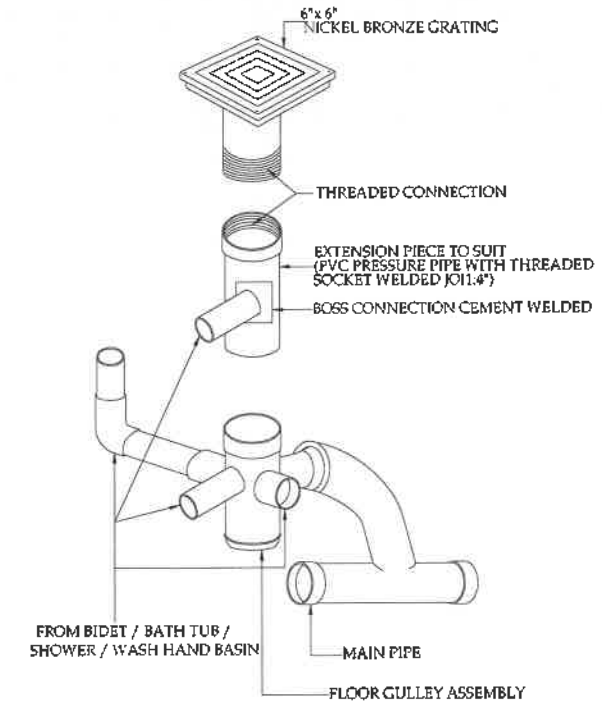
NOTES:
1. BASE DIMENSIONS ON MANUFACTURER'S DATA & RECOMMENDATIONS.
SECTION
SCALE: 3/4" = 1'-0"



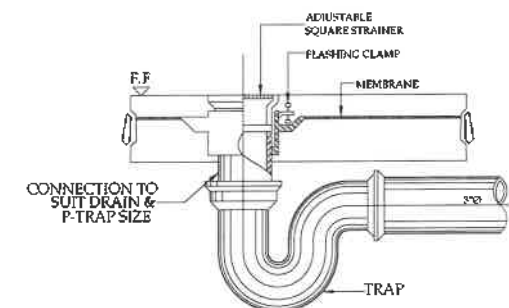
PLAN
GENERAL PIPING ARRANGEMENT FOR
WASH BASIN (UNDER COUNTER)
SCALE: 3/4" = 1'-0"



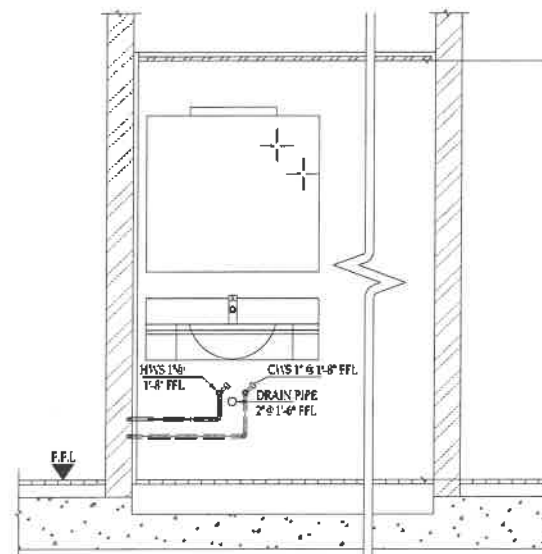
SECTION



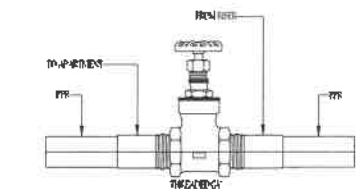
FLOOR DRAIN
SCALE: 3/4" = 1'-0"



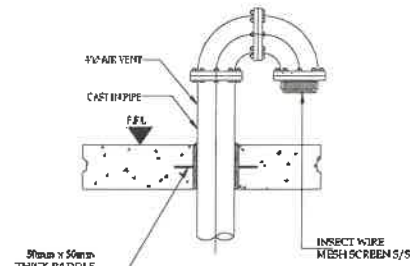
FLOOR TRAP DETAIL (FT)
SCALE: 3/4" = 1'-0"



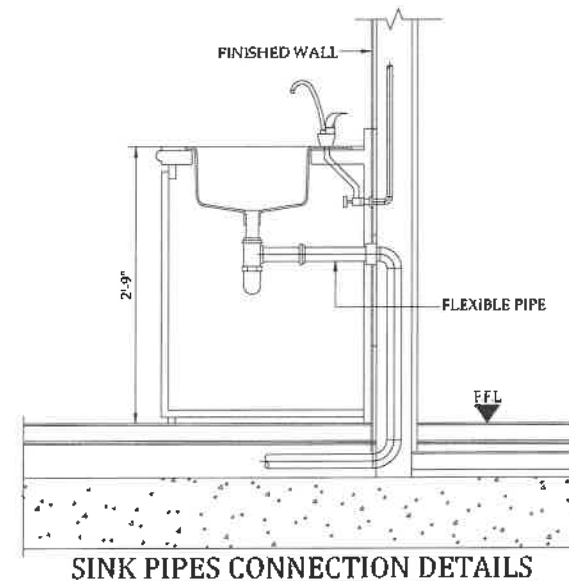
WASH BASIN PIPES CONNECTION DETAILS
SCALE: 3/4" = 1'-0"



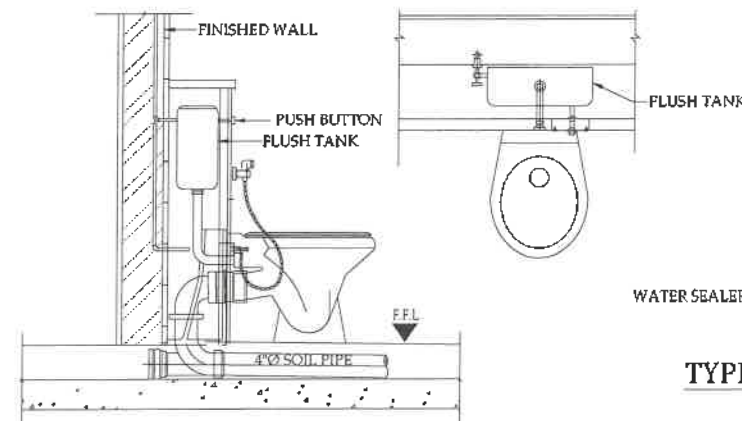
WATER SUPPLY CONNECTION DETAIL
FROM RISER
SCALE: 3/4" = 1'-0"



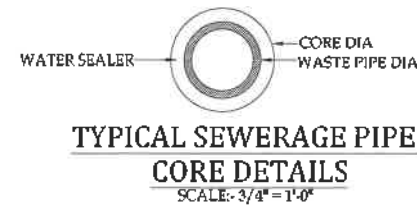
WATER TANK AIR VENT DETAIL
SCALE: 3/4" = 1'-0"



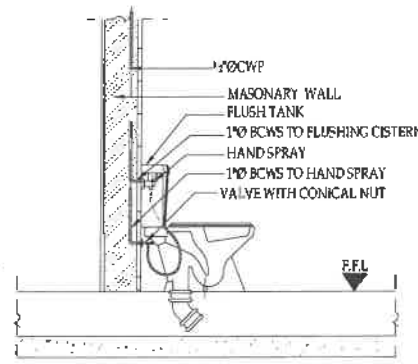
SINK PIPES CONNECTION DETAILS
SCALE: 3/4" = 1'-0"



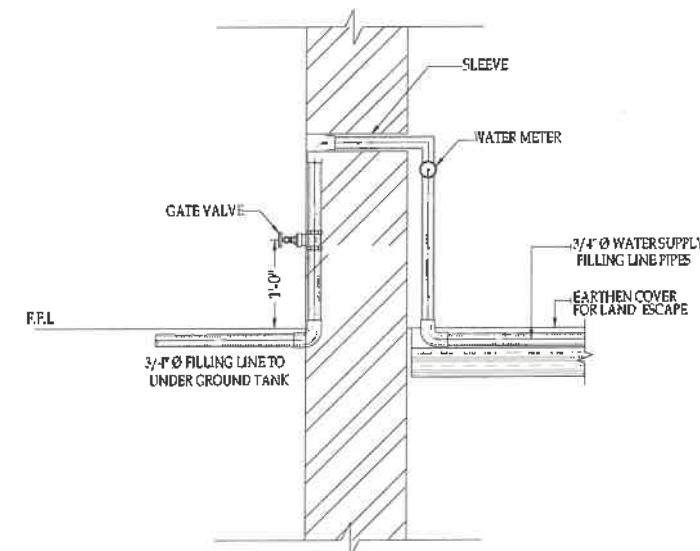
WC PIPES CONNECTION
DETAILS
SCALE: 3/4" = 1'-0"



TYPICAL SEWERAGE PIPES
CORE DETAILS
SCALE: 3/4" = 1'-0"



GENERAL PIPING ARRANGEMENT FOR
FLUSH TANK TYPE WATER CLOSET
SCALE: 3/4" = 1'-0"



WATER SUPPLY FILLING LINE
WITH BOUNDARY WALL DETAIL
SCALE: 1/2" = 1'-0"



SNGPL
TITLE: CUSTOMER SERVICE CENTER
MISCELLANEOUS DETAILS

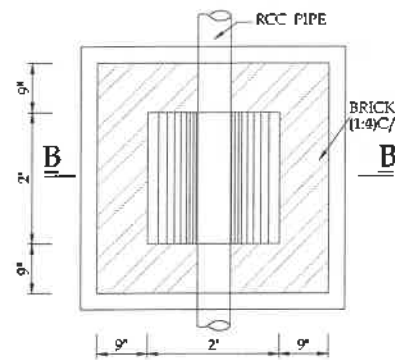
DATE	DESCRIPTION	APPROVED
20-01-2024	DETAIL DESIGN	CHANDRA
22-01-2024	TOILET DRAWINGS	CHANDRA

DRAWING NO: SNGPL-CSC-AB-P-07
SHEET 00
REV 00

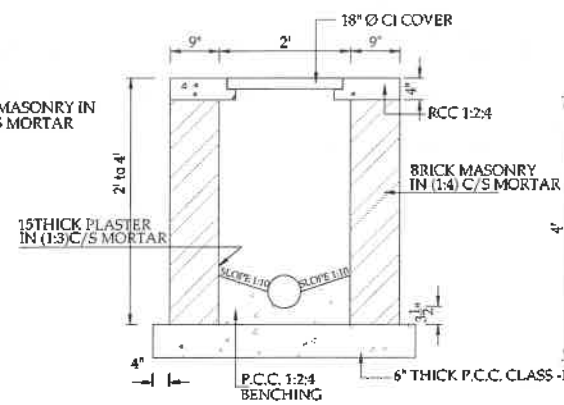
PROJECT: CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



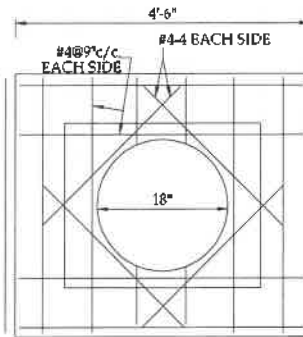
CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT) LTD.
G-3 JHELLUM BLOCK, GREEN FORT, LAHORE, PAKISTAN
TELEPHONE: +92 42 35450145 +92 33 4451140
FAX: +92 42 35450119 WEBSITE: www.asiancon.com



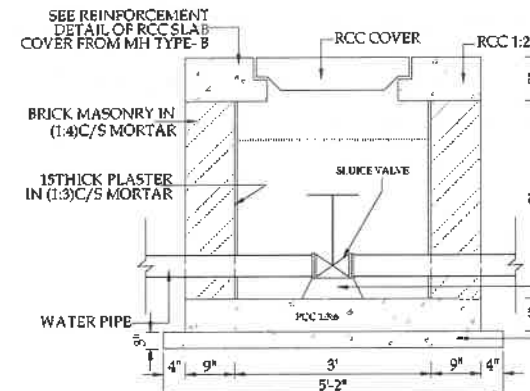
PLAN OF MANHOLE 2'x2'
SCALE: 1/2" = 1'-0"



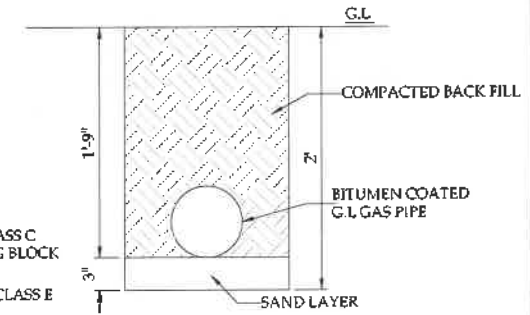
SECTION BB
SCALE: 1/2" = 1'-0"



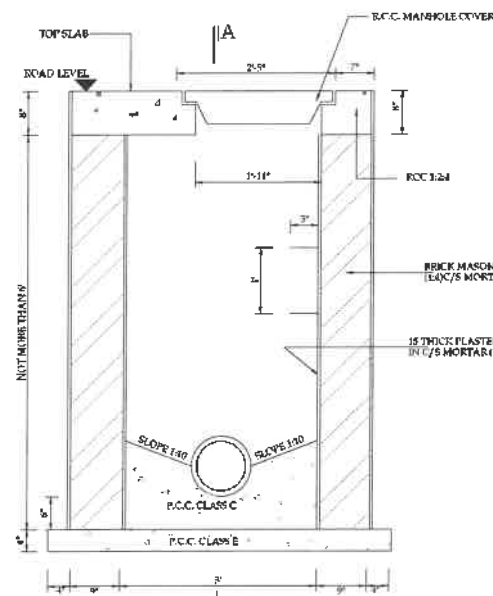
REINF. DETAIL OF
TYPE-A
SCALE: 1/2" = 1'-0"



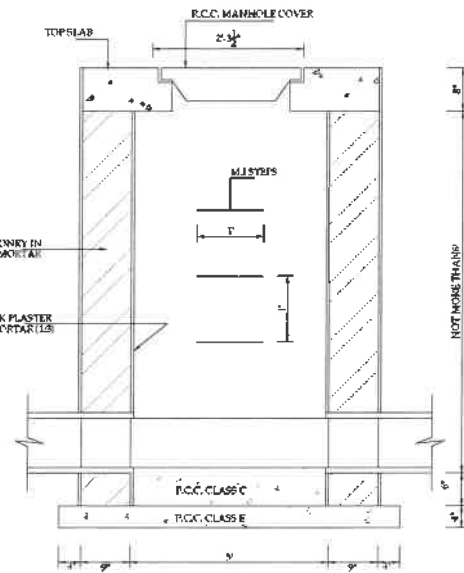
SLUICE VALVE CHAMBER
SCALE: 1/2" = 1'-0"



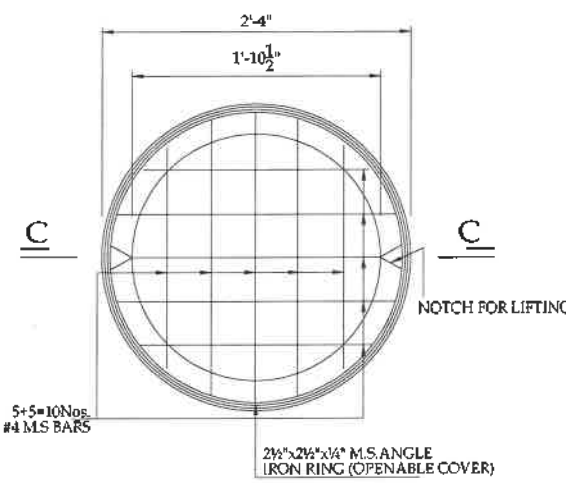
GAS PIPE DETAIL
SCALE: 1" = 1'-0"



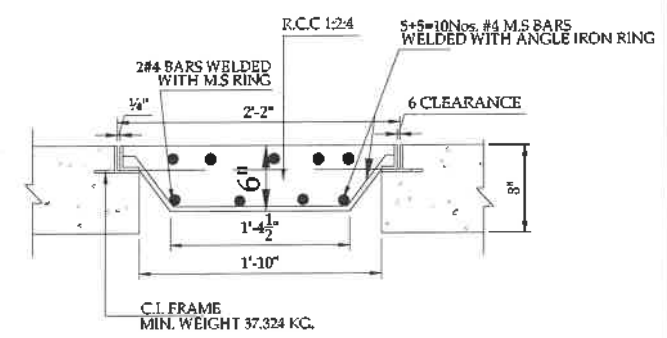
SECTIONAL ELEVATION
SCALE: 1/4" = 1'-0"



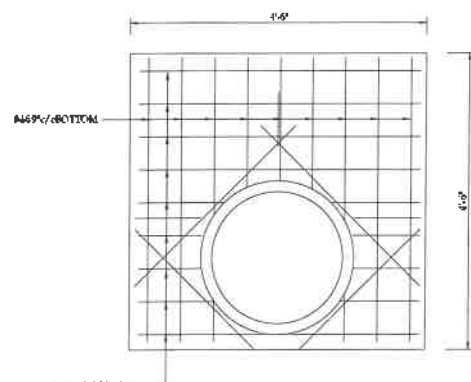
SECTION A-A
SCALE: 1/4" = 1'-0"



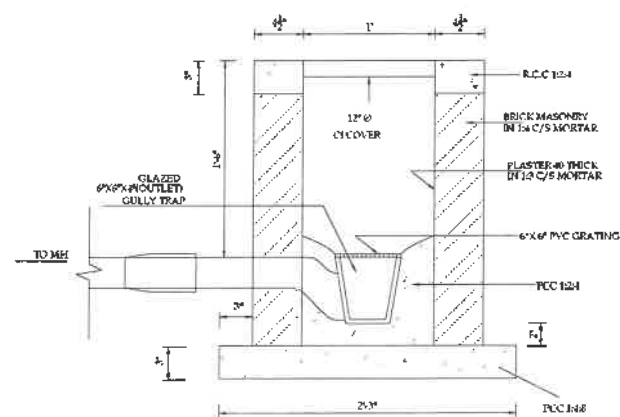
MANHOLE COVER
(FOR MH TYPE B & SLUICE VALVE CHAMBER)
SCALE: 1" = 1'-0"



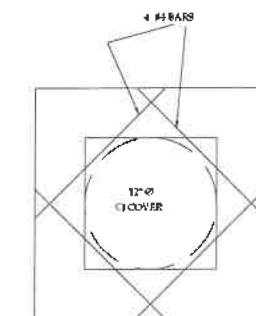
SECTION C-C
SCALE: 1" = 1'-0"



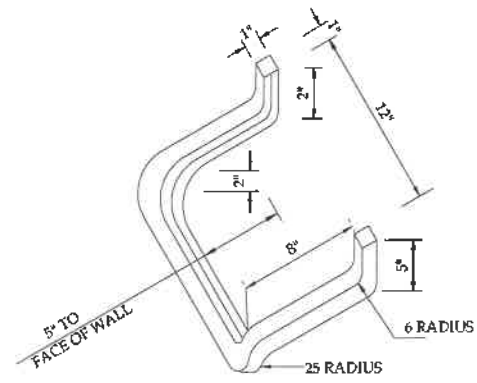
REINF. DETAIL FOR
TOP SLAB MH TYPE-B &
SLUICE VALVE CHAMBER
SCALE: 1/4" = 1'-0"



GULLY TRAP (CI-COVER)
SCALE: 1" = 1'-0"



REINFORCEMENT DETAIL
SCALE: 1" = 1'-0"



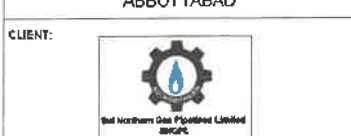
MALLEABLE IRON STEP
SCALE: 1" = 1'-0"



SNGPL
TITLE: CUSTOMER SERVICE CENTER
MANHOLE TYPE-A,B SLUICE VALVE
CHAMBER & GULLY TRAP

DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED
01/01/2024	DESIGN	ASAC	ASAC	ASAC
01/01/2024	REVISION	ASAC	ASAC	ASAC

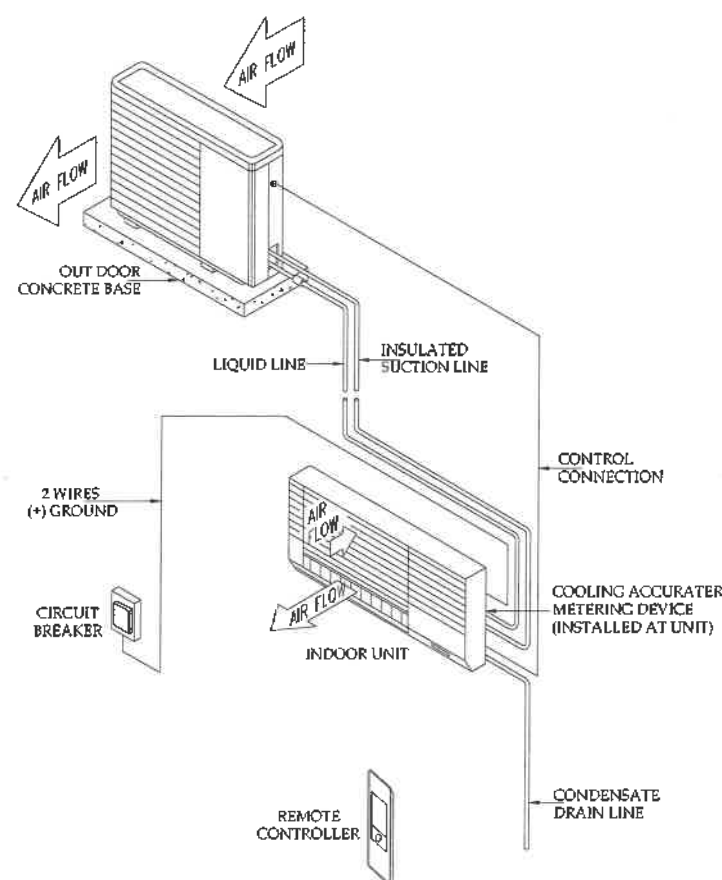
PROJECT: CUSTOMER SERVICE CENTER AT
REGIONAL DISTRIBUTION OFFICE
ABBOTTABAD



CONSULTANT:
ASIAN CONSULTING ENGINEERS (PVT) LTD.
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FAX: +92 42 3545015 WEB: www.asiancon.com

GENERAL NOTES:

1. ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.
2. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH EQUIPMENT SCHEDULE & SPECIFICATIONS.
3. CONTRACTOR TO CO-ORDINATE ALL BUILDING SERVICES.
5. REFRIGERANT PIPES SHALL BE INSTALLED AT HIGH LEVEL ABOVE THE LIGHTING AND COVERED WITH MANUFACTURER RECOMMENDED INSULATION AND PVC TAPE OF CEILING COLOR SHALL BE APPLIED ON IT.
6. CONTRACTOR SHALL SUBMIT THE SHOP DRAWING FOR VRF SYSTEM INDICATING THE SOFTWARE SELECTED REFRIGERANT PIPE SIZE Y JOINTS etc. DETAILS FOR APPROVAL.
7. VRF UNIT SHALL BE SELECTED AT HIGH AMBIENT TEMPERATURE OF 115°F.
8. 6 INCHES FOUNDATION SHALL BE CONSTRUCTED TO PLACE VRF OUTDOOR UNIT AND SUPPLY AIR FAN.
9. SLEEVES SHALL BE PROVIDED AT APPROPRIATE POSITION FOR AIR DUCTS AND REFRIGERANT PIPES AS SHOWN ON DRAWINGS.
10. CONDENSATE PIPES SHALL BE INSTALLED ABOVE LIGHTS, CONCEALED IN WALL CHISELING AND COVER WITH INSULATION, PVC TAPE OF CEILING COLOR AND CONNECTED TO NEAREST FLOOR DRAIN, FLOOR CLEAN OUT, WITH P-TRAP.



**SPLIT UNIT TYPICAL PIPING
AND WIRING DETAIL**

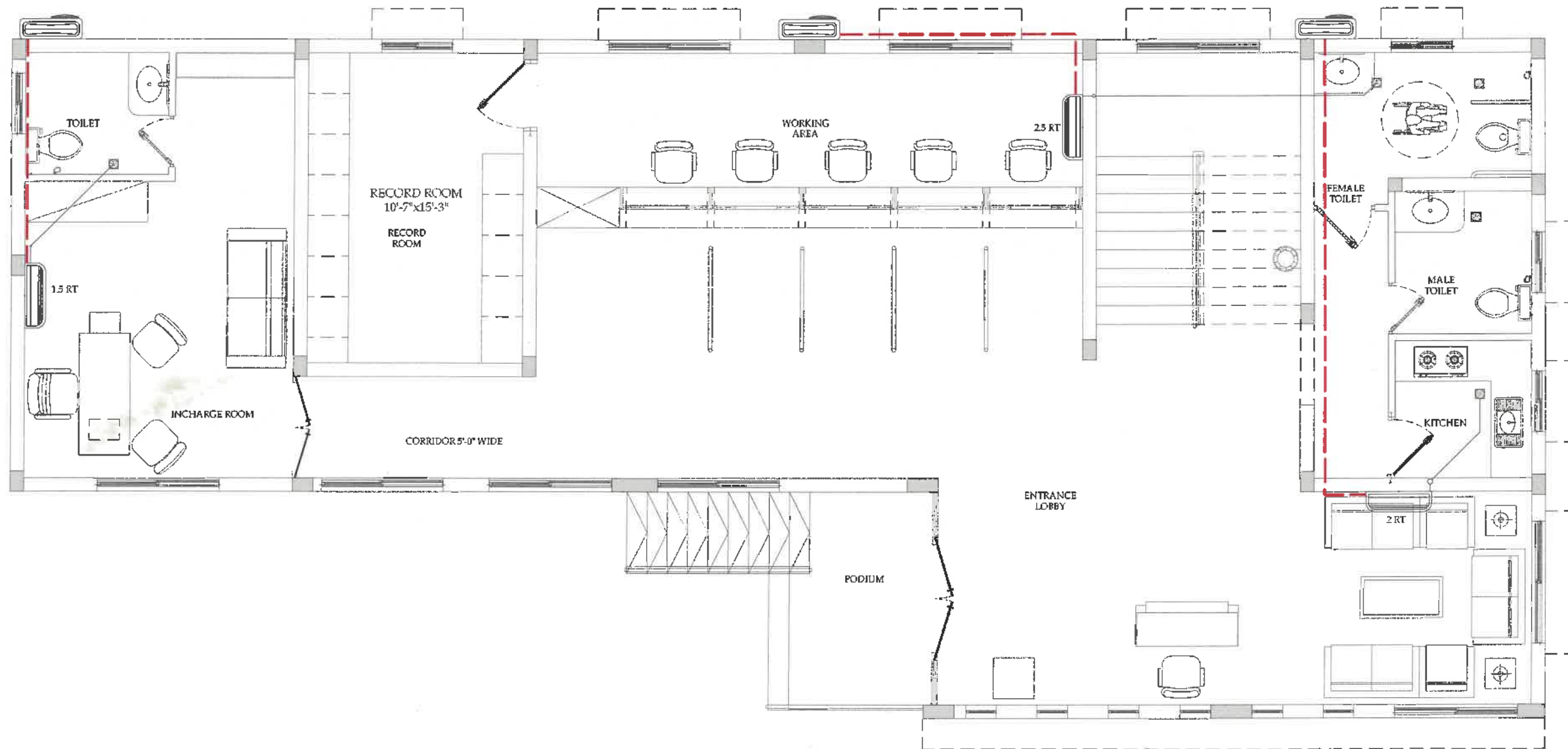
SCALE: 1/4" = 1'-0"

LEGEND AND ABBREVIATIONS

SYMBOL	ABRV.	DESCRIPTION
	CTIU	CEILING CASSETTE TYPE INDOOR UNIT
	WTIU	WALL MOUNTED TYPE INDOOR UNIT
	FTIU	FLOOR STANDING TYPE INDOOR UNIT
	CU-VRF	VARIABLE REFRIGERANT FLOW CONDENSING UNIT
	CRAC	COMPUTER ROOM AIR CONDITIONER
	CU	CONDENSING UNIT (CRAC)
	E.F	EXHAUST FAN (CABINET TYPE)
	S.F	FRESH AIR SUPPLY FAN (CABINET TYPE)
	FAD	FRESH AIR DIFFUSER
	EAD	EXHAUST AIR DIFFUSER
	EAL	EXHAUST AIR LOUVERS
	FAL	FRESH AIR LOUVERS
	RSDP	REFRIGERANT SUCTION & DISCHARGE PIPE
	CDP	CONDENSATE DRAIN PIPE
	CD TO FD	CONDENSATE DRAIN TO FLOOR DRAIN
	T/A	TO ABOVE
	T/B	TO BELOW
	F/A	FROM ABOVE
	F/B	FROM BELOW
	TYP.	TYPICAL
	Ø	DIAMETER
	"	INCHES



SNGPL			
TITLE: CUSTOMER SERVICE CENTER GENERAL NOTES & A-C DETAILS			
ORIGINAL	DATE: JANUARY, 2024	SCALE	
NO.	DATE	DESCRIPTION	APPROVED
01	20-01-2024	DESIGN	APPROVED
02	20-01-2024	REVISION	APPROVED
DRAWING NO: SNGPL-CSC-AB-ME-01		SHEET 00	REV 00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
CONSULTANT:			
ASIAN CONSULTING ENGINEERS (PVT) LTD. CO. JHELUM BLOCK GREEN FORT-8, LAHORE, PAKISTAN TELEPHONE: +92 42 3540914-8 +92 32-142-71101 FAX: +92 42 3540918 WEB: www.asiancon.com			



SNGPL			
TITLE: CUSTOMER SERVICE CENTER			
A-C LAYOUT PLAN			
GROUND FLOOR			
ORIGINAL	DATE: JANUARY, 2024	SCALE:	
ISSUE NO.	DATE	DESCRIPTION	APPROVED
01	20-02-2024	DESIGN DESIGN	ENCL. LINEAR
02	18-04-2024	REVISION DRAWING	ENCL. LINEAR
DRAWING NO:		SHEET	REV
SNGPL-CSC-AB-ME-02		00	00
PROJECT: CUSTOMER SERVICE CENTER AT REGIONAL DISTRIBUTION OFFICE ABBOTTABAD			
CLIENT:			
 Sul Western Gas Pipeline Limited SNGPL			
CONSULTANT:			
 ASIAN CONSULTING ENGINEERS (PVT.) LTD. C-3 JAMEEL BLOCK, GREEN FORT, LAHORE, PAKISTAN TELEPHONE: +92-32-36200140, +92-32-36201191 FAX: +92-32-36201191, 3233 www.asian-engineers.com			