

Sui Northern Gas Pipelines Limited (SNGPL)

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

TENDER DOCUMENTS

For

Construction of Bachelor Hostel Bill Printing Manga Mandi

January - 2026



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Quality Control Sheet



QUALITY CONTROL SHEET				
DOCUMENT	Tender Documents for Construction of Bachelor Hostel Bill Printing Manga Mandi			
PROJECT	"Design and Preparation of Tender Document Including Site Investigations"			
CODE	9200138-SNGPL			
AUTHOR	17.01.2026			
VERIFIED	17.01.2026			
RECIPIENT	Sui Northern Gas Pipelines Limited (SNGPL)			
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 Point Structural	Roofing Mechanical HVAC	General Contractor Arch/Engr/Consulting Other (specify)
Services: (Includes Environmental Services)	Janitorial Security Maintenance	Emergency Response Env. Consulting Point 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 supplier involved at this early stage to complete a separate HSE Briefing package for the facility's review.



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Contractor HSE Statement

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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 <ul style="list-style-type: none"> • 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 condition. 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 condition. 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	A 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 ratified 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 this 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 hereof, 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. 500,000 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

Form of Tender





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





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 of 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 _____





APPENDIX – A



APPENDIX – A

1	Earnest Money/Bid Security	Rs. 500,000 /- 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>Earnest Money must be submitted with Technical Bid samples.</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 the project & issuance of completion certificate
4	Validity Period of Bid	120 days from the date of opening of Tender.
5	Time for Completion	Twelve (12) 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	Twelve (12) 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	Sixty (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 favor of M/s. Sul Northern Gas Pipelines Limited (Non-refundable) Must be submitted at the office of incharge (Civil), Civil Construction Department, 2nd 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 Bachelor Hostel Bill Printing Manga Mandi

Special Conditions





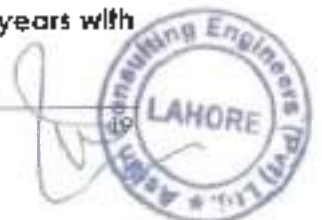
SPECIAL CONDITIONS

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 N/C 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:
- i. 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.
 - ii. Detail of certified machinery along with trained/experienced operators. Certificate of operators will be required.
 - iii. Mechanism of effective HSE supervision of the project with dedicated HSE Engineers/Officers and staff.
 - iv. Firefighting plan with detail of firefighting staff capabilities and equipment.
 - v. First aid plan with detail of first aiders staff capabilities and equipment.
 - vi. Mechanism of manual and mechanical loading/unloading.
 - vii. Detail of accident/incident statistics of the contracted company.
 - viii. Detail of barricades, i.e., caution boards, hard barricades, barricading tape etc.
 - ix. Detail of PPE's.
 - x. Emergency Response Plan.
 - xi. 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:

e.	In case of major injury (Injury leading to temporary disablement)	Payment of 1/3 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: _____

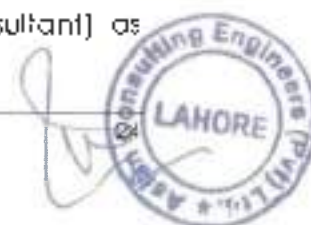
[name of Consultant/Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (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 a /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 voidable 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 times 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]



GENERAL TERMS & CONDITIONS



GENERAL TERMS & CONDITIONS

1. SITE CONDITIONS, CLEARING AND GRUBBING

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 proscribed 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.O.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 company as per date mention on website, 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. 500,000/- amount of work in favour of Sui Northern Gas Pipelines Limited, Lahore shall be submitted before tender opening date as earnest money on the address 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 then 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 therein 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.
- a. 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 proscribed 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 proscribed 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 intimated by the Contractors well in time in order to seek formal written approval from the In-charge (Civil). 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 In-charge (Civil).
4. If any Contractors execute the construction work (s) in such a way that causes excess in quantities of any form of work, over and above the work order quantities without prior written permission of the In-charge (Civil), 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 PFRA 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/PPC 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/materials 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 or 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	DC, Askari, Maple Leaf or any approved equivalent
3.	Reinforcement Steel, Deform. (G-60 & 40)	AFCCO, Mughal, Faza or any approved equivalent
4.	Sand	<ul style="list-style-type: none"> • Local Sand: RCC 1:4:8, Brick Masonry, Sand Filling • Lower nocepur sand for plaster • 100% Lower nocepur for all RCC Works
5.	Ceramic Tiles	Master or any approved equivalent
6.	Plastic/Vinyl emulsion/Enamel (wall or Glass)	ICI Dulux, Berger or any approved equivalent
7.	G.I. Pipes	ILL (M)
8.	G.I. Pipes (Fittings)	Chinese (Imported)
9.	Gate Valves & Sluice Valves	Chinese Imported
10.	Pigment	Chinese (Imported)
11.	Hardware, Stays & Handlys (Bars)	Moote, Hsiao
12.	Window Glazing	Malaysia, Indonesia
13.	Stainless Steel sink	Atlas Super Asia
14.	Cast Iron Pipe, Fitting & Fixtures	Alpino, Tuba supreme spun pipe (Sardal Engineering PVT), (Soil & Waste), (Rain Water & Vent Pipe) Floor Trap etc.
15.	UPVC Pipes & Fittings	DADEX, BEIA, Popular
16.	RCC Pipes	Shalimar, Akram, as per ASTM specifications



Sr. No.	Description/Materials	Brands/Vendors
17.	Sanitary Fixtures	Bagi, CL/IFO, Master, Sonex
18.	Flushing Cistern	ICL/IFO, Master, Sonex
19.	Sanitary Filling	ICL/IFO, Master, Sonex
20.	Anti Termite	Durbin, Bifex or any approved equivalent
21.	Water proofing agent on slopply roof	Dynabond, Vandex, FEB
22.	Cables	Pakistan Cable Ltd. Newage Cables (Pvt.) Ltd. Fost Cables Ltd. Pioneer Cable
23.	Distribution Boxes / LV Panels	Electrech Perfect Elektro MEK Pakistan (Pvt.) Ltd (PEMPAK) Bila Switnggear Engineering Pvt. Ltd. PEL Tariq Electric MK Engg
24.	Contactors / Relays	ABB Telemecanique National / Finder / Levalo
25.	Circuit Breaker	Teraski Schneider MG ABB
26.	Indicating Lamps and Push Buttons	Telemecanique, France Fuji, Japan Ecoo, France Revalco, Italy Miyasu – Japan Lovato – Italy Hager – France
27.	Voltmeters / Ammeters	Saci, Spain / Kikus & Namer, Australia Hubel, UK Revalco, Italy
28.	Earthing rod, Earth pits, lugs and terminals	Wallis - UK Furse – UK Erico - USA



Sr. No.	Description/Materials	Brands/Vendors
29.	uPVC Conduit & Accessories	Beta pipes Popular Pipes Plasco Pipes Dadev Pipes
30.	Light fixtures	Original Philips Pakistan or equivalent
31.	Switches, Sockets and Power Plugs	Local Bush
32.	Back Boxes, Pull Boxes, etc., Telephone Junction Boxes	Hussain & Co-Kuruchi, N.R. Industries Lahore, MISQ Lahore
33.	Pumps	KSB, HMA, Grundfos, Komax
34.	Motors	Siemens
35.	Copper Conductor	99.9% Pure Electric Copper Conductor, Pakistan Cable, Newage Cable or equivalent as approved by the Company
36.	Polythene Sheet	60 Sft = 1kg

NOTE:

1. All materials shall be as per brands/specifications given in above table or equivalent approved by Incharge (Civil) and duly vetted by the Consultant.
2. Samples of all construction material should be got approved from the Incharge (Civil) before installation at site.
3. Original cash memo/certificate from authorized dealer will be provided by the Contractor to Incharge (Civil) before installation when required.
4. 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. Adanjee 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. IG 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





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 "CONTRACTORS") 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.

Approved Sample of Performance Bond/Guarantee:





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 or 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 906/7-03a
3	Aggregate	1. Sieve Analysis	ASTM C 125-5
		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 material 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.



MODE OF PAYMENT/PAYMENT SCHEDULE

Construction of Bachelor Hostel Bill Printing Manga Mandi

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.

Schedule of Payment





BILL OF QUANTITIES

**BACHELOR HOSTEL BILL PRINTING MANGA,
LAHORE**

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

Bill of Quantities

General Abstract of Cost

Sr.No	Description	Amount (Rs.)
1	Bill No.1: Civil Works	
2	Bill No.2: Plumbing & Mechanical Works	
3	Bill No.3: Electrical Works	
4	Bill No.4: Fire Alarm System	
5	Bill No.5: Telephone & Data System	
6	Bill No.6: CCTV Surveillance System	
7	<i>dismantalling works</i>	
	Total	
	PST 16%	
	GRAND TOTAL AMOUNT	
	GRAND TOTAL AMOUNT IN MILLION	



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BILL OF QUANTITIES

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5
	Bill No.1: Civil Works				
	Schedule Items				
111	Cement concrete slab including placing, compacting, finishing and curing concrete for footing, walling and walling of store aggregate (M Ratio 1:2:4)	Cft	199.92		
112	Providing, laying, covering and ramming and in store ballast 10" to 20" run to 20mm gauge sized with 25% sand for floor foundation, complete in all aspects	Cu	14.624		
113	Excavation work in ground floor:-				
	a) Cement concrete:				
	Ratio 1:5				
	1st Floor	Cft	7.627		
	2nd Floor	Cft	20.111		
	Ratio 2:4				
	1st Floor	Cft	559.23		
	2nd Floor	Cft	100.01		
	Cement Concrete				
114	Providing and laying of concrete base of concrete including preparation of subgrade, using coarse sand and coarse graded and crushed aggregate in required shape and design including form, rebar, chalking, fixing, compacting, curing, ramming and finishing exposed surface complete but excluding the cost of steel reinforcement, shoring and piling in position sh:-				
	(a) Reinforced concrete in foundation, walls, columns, beams, girders and other structural members laid in situ or precast laid in position or precast members and walls, complete in all aspects:-				
	(1) Type I (Reinforced) (1:2:4)				
	(i) Column & beam (forming structure)				
	1st Floor	Cft	836.21		
	2nd Floor	Cft	5.014		
	(2) Type II (Reinforced) (1:2:4)				
	(beam, under slab, support etc)				
	1st Floor	Cft	1,246.216		
	2nd Floor	Cft	286.071		
	(3) Reinforced concrete in retaining wall and foundation precast laid in position, or precast or cast in situ				



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BILL OF QUANTITIES

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs
1	3	4	5	6	7=6x5
	Unit from work on hand and/or sample as all together				
	2.2 Type C (panel sizes 1.24)				
	2.21 panel (1.24x2.44)	EA	100.00		
1.1.7	Providing and connection of metal mesh for external concrete curtain wall including cutting, bending, tying in position, making joints and fastenings, including cost of handling, site and labour charges for loading, unloading, off-site to connect to the includes material of rest from bank. Estimated per 10 Sqm (10)	Kg	6800.00		
1.1.6	Concrete slabs 1.4 upto 25 (6.00 m height)				
	1.1.6.1 2nd and 3rd floor	sq	1.0000		
	1.1.6.2 Main Floor	sq	1.0000		
1.1.7	Concrete slabs 1.4 upto 25 (6.00 m height)				
	1.1.7.1 2nd and 3rd floor	sq	1.0000		
	1.1.7.2 Main Floor	sq	1.0000		
1.1.4	Concrete slabs 2.0 (1.0 m) thick under soffit of RCC column (sloped upto 20° height)				
	1.1.4.1	sq	1.0000		
	1.1.4.2 Main Floor	sq	1.0000		
1.1.5	Preparing surface and painting with emulsion paint				
	1.1.5.1 1st coat	sq	20.0000		
	1.1.5.2 2nd and 3rd subsequent coat	sq	20.0000		
1.1.10	Finishing and application weather shield paint of approx 1 square meter surface of building including preparation of surface application of primer compatible with finish across surface				
	1.1.10.1 1st coat	sq	1.0000		
	1.1.10.2 2nd coat	sq	1.0000		
1.1.11	2.0 (1.0) thick (1.0 m) thick (1.0 m) thick or panel and glazed doors, windows or solid wood type etc. work of specified width and panel of 1.0 m thick or less ply framing with wood used with primers, painted on both sides of 2" thick frame wood panel with tapered edges etc. The cost of lower half handles complete with glass etc. Excluding the cost of chocks, hinges, sliding etc.				



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BILL OF QUANTITIES

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount	Rs.
1	3	4	5	6	7=6x5	
	Approved and printed poster sized of size 14 1/2" x 12 1/2" and 1 Area work with rubber gasket /5 cost of 11 items as approved and directed by the engineer incharge complete in all respects	sq	25000			
1.1.16	Providing and fixing M.S. flat 3/16" x 8" 113mm x 200 mm galv including 3/16" x 1/8" (21 mm) x 100 mm flat iron, nuts, washers, 40 x 40 mm end sign including painting these covers, complete in all respects	sq	70000			
1.1.17	Providing and fixing superior quality Pakistan glazed tiles flooring of MARRI brand of specified size as approved design, Color and Shade with adhesive bond over 1/4" thick (10) cement plaster 1/2" thick of sewer for finishing the park in gutter/garden, complete in all respects as approved and directed by the Engineer incharge. a) Full body Glazed tiles b) 200mm x 300 mm	sq	255000			
1.1.18	Providing and fixing superior quality Pakistan glazed tiles flooring of MARRI brand of specified size as approved design, Color and Shade with adhesive bond over 1/4" thick (10) cement plaster 1/2" thick of sewer for finishing the park in gutter/garden, complete in all respects as approved and directed by the Engineer incharge. a) Full body Glazed tiles b) 200mm x 300 mm	sq	55000			
1.1.19	Providing and fixing superior quality Pakistan glazed tiles flooring of MARRI brand of specified size as approved design, Color and Shade with adhesive bond over 1/4" thick (10) cement plaster 1/2" thick of sewer for finishing the park in gutter/garden, complete in all respects as approved and directed by the Engineer incharge. a) Full body Glazed tiles b) 200mm x 300 mm	sq	45000			
1.1.20	Providing and fixing superior quality Pakistan glazed tiles flooring of MARRI brand of specified size as approved design, Color and Shade with adhesive bond over 1/4" thick (10) cement plaster 1/2" thick of sewer for finishing the park in gutter/garden, complete in all respects as approved and directed by the Engineer incharge. a) Full body Glazed tiles b) 200mm x 300 mm	sq	45000			



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BILL OF QUANTITIES

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount R.
1	3	4	5	6	7=6x5
	100 x 100 mm dia.	Rft	65.10		
11.01	Providing and fixing 100 x 100 mm dia. (110 x 110 mm) angle iron with 4 nos. bolts including carriage and working the same as work on other lines and levels.	Lxh	6.66		
11.11	Providing and fixing 100 x 100 mm dia. (110 x 110 mm) slotted C.I. Coupler of 220 x 74 frame weighing 47.264 kg, as per standard as per Standard Drawing S.T.P. 200.6 or S.T.P. complete with 200 x 74	Lxh	1.11		
	Sub Total				
	Non-Schedule Items				
11.02	Providing and fixing 100 x 100 mm dia. 100mm dia. thick with matching frame. 40mm thick, 50mm dia. Water Proof, Fire Proof complete in all respects including all work as per instructions of the Engineer in charge.	Sq	122.50		
	Sub Total				
	Total for Schedule Items				
	Total for Non-Schedule Items				
	Total for Bill No. 1 (Carried over to Summary of Prices)				



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BILL OF QUANTITIES

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5/4
	Bill No:2: Plumbing & Mechanical Works				
	Schedule Items				
21	Providing and fixing chromium plated trap dish	Each	2.00		
21	Providing and fixing chromium plated toilet paper holder.	Each	2.00		
22	Providing and fixing chromium plated towel rack 1160 mm (24") long, and 450mm (18") dia	Each	2.00		
24	Providing and fixing locking gas 35x40 mm (2 1/2" x 1 1/2" size, and 5mm thick, fire rating	Set	2.00		
24	Providing and fixing one piece 1/2" copper coupled toilet flush valve (1/2") and fixing lock nut of 1/2" (1/2") brass (full size) fix the cost of CPV number 1, one piece, 1/2" (1/2") brass and brass bolts complete in all aspects as approved and drawn by the Engineer in charge One Piece PORTA LIP 1/2" (1/2") brass coupled Toilet	Each	2.00		
25	Providing and fixing chromium plated bin cover (1170 x 570)	Each	2.00		
26	Providing 20 Litrems glazed ceramic wash basin type high 500x300 (20"x18") including bracket for waste pipe and water supply etc. c) Under Counter Vanity Basin	Each	2.00		
27	Providing and fixing stainless steel sink with drain board 570 (22-1/2") or (22"x22") including bracket for waste pipe and water supply.	Each	1.00		
28	Providing and fixing chromium plated hot/cold water mixer basin sink or warmer	Each	2.00		



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BILL OF QUANTITIES

Sr.No.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5/4
29	Providing and fixing 1 1/2" hot Bottom made of brass / Valve; lined comprising of 3" dia. with 1" thick lead pipe. Brass / Cast double flange with open end flange, 1/2" thick with 1" wide coupling and cork trap etc. complete in all respect as approved and directed by the Engineer incharge.				
	(i) 1/2" No. 100 Soap Check joint	Each	1.00		
	(ii) Lead Type Brass Valve	Each	1.00		
	(iii) Double B.S. Coutr	Each	1.00		
	(iv) Working chamber	Each	1.00		
	(vii) Brass Coupling	Each	1.00		
	(vi) Brass Trap	Each	1.00		
210	Providing and fixing 10" dia. (1") gauge trap including cement concrete, iron or PVC casting and 1" imp. cast iron massive chamber 30" dia. (33"x33")	Each	1		
211	Providing laying testing and commissioning of POLYPROPYLENE RANCO POLYMER (P/SC) water supply pipe (Dialux / Dialux / Beta or equivalent) with cast iron pressure rating PN 20 (PRESSURE NORMINAL) conforming to DIN 8077-8079 (size / cost of above to specify make etc.) complete in all respect as approved and directed by engineer incharge internal / external. Diameter as directed.				
	Ø DN-20 pipe				
	(i) 1/2" 20mm	Rft	56		
	(ii) 3/4" 25 mm	Rft	20		
	(iii) 1" 25 mm	Rft	105		
	(iv) 1 1/2" 32 mm	Rft	10		
212	Providing and fixing heavy duty Gate valve of specified diameter and material the pressure rating PN-16 made of Cast Iron (CI) through (1") or less (if above) / 1" or above in all respect as directed by engineer incharge where required outside / internal complete as approved and directed by the Engineer incharge.				
	(i) 1" 16 dia	Each	1.00		
	(ii) 1" 16 dia	Each	1.00		



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BILL OF QUANTITIES

Sr.No.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5/4
213	Providing, laying, testing and commissioning of PVC/U/P plasticized Polypropylene (PVC-U) Pressure pipe of nominal diameter conforming to PS-3271/BS-5557, 100mm/100mm / 100mm / 200mm dia. with manufacture, 1% increase of labour and special strength. As approved and directed by the Engineer Incharge				
	100mm D	Ru	55		
	100mm	Ru	31		
	100mm 4"	Ru	150		
	100mm	Ru	210		
	Sub-Total				
	Non-Schedule Items				
	MISCELLANEOUS				
214	Providing and fixing PVC floor trap including access chamber all amount including 4" x 4" P trap one side hinged floor, all approved and directed by the Engineer incharge	Each	4		
215	Providing and fixing flexible pipe 200mm dia. for trap each to meet local condition of approved by the Engineer Incharge complete in all respects including all fittings	Each	6		
216	Providing, laying, testing and commissioning of semi-rigid water heater, 2000 Watt, Electric, V 45, 230V, 50Hz, Thermo-safety element, Heating element, Impacted (Thermosafe), 14 Gauge Insulation Tank, Safety from Body, Brass Safety Valve, Thermostatic Air Vent, etc. System. Multiple Access Ports and complete in all respects as shown in drawings and as per specification.	Nos	1		
	20 litre storage capacity	Nos	1		
217	Dry chemical powder portable Fire Extinguishers, complete with wall bracket and accessories (FIREX German, Model no. 101) (Kilo, Scan, Guard Safety, Etc. etc)	Each	1		



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

BILL OF QUANTITIES

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5/4
2.18	CO2 Fire Extinguishers, complete with wall bracket and a receipt of (T/REX) Common, Isom, Isobutane and propane, direct weight, (500ml)	Each	1		
2.19	Providing & installation of 1.5m Split DV Transformer - Complete in all aspects as per Engineers instructions				
	10.1.5mtr	Each	5		
	10.2.1mtr	Each	1		
2.20	Providing & installation of copper refrigerant AC pipes between outdoor and indoor units complete with fittings and accessories and Complete in all aspects as per Engineers instructions	RFT	80		
2.21	Providing & installation of copper refrigerant pipework of pipes for condenser drain system, etc with fittings and accessories and Complete in all aspects as per Engineers instructions	RFT	10		
2.22	Providing & installation of PVC Check pits of size 12" x 12" for ground drainage complete with fittings and accessories and Complete in all aspects as per Engineers instructions	Each	6		
	Sub-Total				
	Total for Schedule Items				
	Total for Non-Schedule Items				
	Total for Bill No.2 (Carried over to Summary of Price)				



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE
SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)
COST ESTIMATE

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5
	Bill No.3: Electrical Works				
	Schedule Items				
31	Supply and erection of PVC pipe for wiring, cranked in route including inspection boxes, pull boxes, hooks, cutting planks, and equipment as there, etc. complete with all specials				
	up to 25 mm (1") for Power Wiring	RM	1217		
	up to 25 mm (1") for Current Wiring	RM	488		
	up to 25 mm (1") for Power Wiring	RM	376		
	up to 25 mm (1") for AC Wiring	RM	489		
32	Supply and erection of PVC pipe for concealed wiring (main and sub main) purposes including bends, specials, etc. in floor, wall or trenches -				
	up to 60 mm (2")	RM	100		
33	Supply and erection of single core PVC insulated PVC sheathed copper conductor (21/43) with galvanized (MSS-3049) or precast PVC pipe, (M.S. conductor) GI pipe/wireless, etc. cables, wooden casing and capping/boxes, etc. -				
	up to 3 mm ² (2/102) for Power Wiring (P-N-E)	RM	6,711		
	up to 35 mm ² (2/102) for Current Wiring (P-N-E)	RM	2,164		
	up to 4 mm ² (2/102) for Power Wiring (P-N-E)	RM	1,779		
	up to 5 mm ² (2/102) for AC Wiring (P-N-E)	RM	1,766		
34	Supply and erection of copper conductor cables for service connections, overhead lines, etc. (main and sub main) cable route.				
	PVC insulated PVC Sheathed 4 Core 600/000 V				
	up to 25 mm ² (2/102) for Power Cable (P-N-E)	RM	48		
	up to 35 mm ² (2/102) for Current Cable (P-N-E)	RM	84		
	up to 25 mm ² (2/102) for AC Cable (P-N-E)	RM	160		
35	Supply and erection of single core PVC insulated copper conductor cables in precast PVC pipe (M.S. conductor) GI pipe/wireless, etc. cables, wooden casing or capping/G.I. trench/boxes				



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE

SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)

COST ESTIMATE

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount	Rs.
1	3	4	5	6	7=6x5	
	Gate for each entry					
	400/500 volts, PVC Insulated					
	100 to 150 mm sq (PVC/0.647) (Earth Copper Conductor)	Km	48			
	100 to 150 mm sq (PVC/0.627) (Earth Copper Conductor)	Rm	84			
	100 to 150 mm sq (PVC/0.61) (Earth Copper Conductor)	Km	160			
36	Providing and fixing Pakistan Energy Label NEECA approved Copper wound Cabling for the cost of necessary cable and hardware for connection as approved and directed by Engineer in charge.	Each	11			
37	Providing and fixing Pakistan Energy Label NEECA approved Copper wound Terminal Boxes for the cost of necessary cable and hardware for connection as approved and directed by Engineer in charge	Each	7			
38	Providing and fixing Pakistan Energy Label NEECA approved Copper wound wall box for the cost of necessary cable and hardware for connection as approved and directed by Engineer in charge	Each	2			
19	PVC/PVC double break Switch for 100 amp with specified switch box for the cost of switch box, cable, circuit breaker, HT cable/Block / Solenoid as approved specification, services complete as approved or directed by the Engineer in charge					
	One way Gang Switch 100A	Each	2			
	10 Gang	Each	4			
	Three pole High Plug 100A Amp	Each	34			
	Panel Mount	Each	11			
	Three Pole Power Plug 100A Amp	Each	11			
	One way Gang Switch 100A					
	10 Gang	Each	24			
	10 Gang	Each	10			
40	Supply, installation, testing & commissioning of 1000 G Street Sky pilot cable back from wire with terminal services in road, including accessories, complete installation as per specifications and					



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE
SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)
COST ESTIMATE

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5
	As approved by Engineer				
	2) 1000 x 750	Each	70		
	3) 1000 x 750	Each	34		
111	Providing and fixing specified deep well (DW) with straight large diameter mild perforated Gal. Steel in a precast concrete and depth fully wall supported ceiling being on panels brackets of height range from 1.50m to 2.80m and (4) plain of 1-1/2" (38mm) size 3/11 C/C. Charges for the cost of materials as approved and directed by the Engineer Incurred				
	to SNGPL				
	At 2' Deep				
	6) 4" x 2"	Rft	155		
	Sub-Total				
	Non-Schedule Items:				
112	Distribution Board:				
	Fabrication supply and commissioning of 1000V with 1000V class fabricated distribution board, free standing and air cooling, indoor type, three phase, insulation class BCC 400A, starting and outgoing connections from top to bottom as per site requirement. Also to supply with suitable equipment suitable for 415V AC 3 Phase 3 wire 100/230V Hb TPMSF system having rated service short-circuit breaking capacity as mentioned in the specs. Complete in all respects as per the conditions of the contract and single line diagram.				
	MBD-01	Each	1		
	DBLP-01-1F	Each	1		
	DBLP-02-1F	Each	1		
113	Supply, installation and commissioning of 2 x 2 ceiling fans with remote control and dust proof type suitable for application in computer room.	Each	23		
114	Supply, installation and commissioning of 2 x 2 fans in other power sockets. Complete in all respects.	Each	7		



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE
SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)
COST ESTIMATE

Sr No.	Description	Unit	Qty	Unit Rate	Amount	Rs.
1	3	4	5	6	7=6x5	
571	Light Electric					
	supply, installation, harness & wiring as being of following items					
	type of LED lights:					
	a) Ceiling mounted LED Wall LED Light	each	185			
	b) 20' Rope Light	RM	903			
	c) Wall Mounted Light 2 Watt LED	each	4			
	d) Wall Light 1 Ft (Pushed Light) 16 Watt	each	2			
	e) Motion Light 20 Watt	each	7			
	Supply, installation, testing and commissioning of complete wiring system for the MCB DB. The work shall include 5 meter long copper rod as DB earthing with bare copper conductor to DB earthing plate with earthing post, insulation elements etc. to earth enclosure from 5 meter concealed wiring panels. 700 sq. ft. of 10 sq. mm. as per drawing and specifications as provided by the Engineer	each	2			
	Sub Total					
	Total for Schedule Items					
	Total for Non-Schedule Items					
	Total for Bill No.3 (Carried over to Summary of Price)					



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE
SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)
COST ESTIMATE

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5
	Bill No:4: Fire Alarm System				
	Schedule Items:				
4.1	Supply and fixation of PVC pipe for running through in walls including inspection boxes, pull boxes, locks, cutting joints and repairing joints, etc., complete with all specials	Mtr	455		
4.2	Supply, Installation and commissioning of wiring with open end fire alarm in shielded Cable (Fire Rating for 2 hours) of required size (not less than 70 sq. cm. Alcon, EAC, P/for A and Concrete fixed) in precast concrete/dur./Mild Steel/Welding/Concrete (Bolt) in accordance as approved and directed by the Engineer incharge.	Rc.	475		
4.3	Supply, installation and commissioning with Addressable Break Glass unit (Manual Call Point) with key type L.N-24 having a built in shunt circuit and fire alarm processor to each of the respective fire of mass 1 second having an automatic LED flash when pressing Call Point the acknowledge fire situation and also operation facility for testing purpose model: Honeywell Bosch, Eaton (UK) or as approved and directed by the Engineer incharge	Each	3		
4.4	Supply, Installation and commissioning in Addressable Type Infrared Laser Based electronic Smoke Detector (LED) L.V. of minimum 5000 output (IP) dB at 3 meter with frequency of 1000 Hz sounds as required and shall be loop wired and approved, hardware: Eaton (UK), or as approved and directed by the Engineer incharge.	Each	3		
4.5	Supply, installation and commissioning of Addressable Optical Smoke Detector (LED) incorporating an LED indicator located in battery pack within the housing of the detector. Sensing unit adjustable via external between 0.00 and 0.01 having built in detector or detector unit or both inputs made Honeywell Bosch/Eaton (UK), including the				




BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE
SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)
COST ESTIMATE

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5
	Cost of all other accessories as per req. approved and directed by the Engineer In-charge				
	Heat Detector	Each	01		
44	Supply, installation and commissioning of Addressable Heat Detectors incorporating an LED indication located on 47pinth within the housing of the alarm and signal sounding unit via software between 0-50 seconds. The detector shall have built in alarm circuit initiation on each input made of Addressable Honeywell Bosch/Notifier (UK) or equivalent as approved and directed by the Engineer In-charge.				
	Rate of Euro (01) Heat Detector to alarm sounder as per at T=00	Each	1		
	Sub total Schedule Items				
	Non-Schedule Items				
47	Supply and installation of two alarm function. Box.				
	Completion of works	Each	1		
	Sub-total Non-schedule items				
	Total for Schedule Items				
	Total for Non-Schedule Items				
	Total for Bill No.2 (Carried over to Summary of Price)				



BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE
SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)
COST ESTIMATE

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5
	Bill Nr.5: Telephone & Data system				
5.1	Supply and erection of PVC pipe for Manholes, manholes, walls, including inspection boxes, pull boxes, boxes, outlet frames, and repairing further, etc., complete with all spigots				
	12) 25 mm (1") for Telephone and Data points	Rt	206		
5.2	Supply and erection and commissioning of wiring with 4-pair data cable, 75 AWG, 10/125, loose cable. Conforming to the following standards: IEC: IEC 5017-50/TEC 11801, impedance, insulation / calibration, from including all accessories, manufacturer's / OEM's Authorization, Make Schneider / Legrand / etc. 25% "margin" 33% / 10% for fabrication or equivalent completion at respective approval and directed by Engineer in Charge				
	CAT-6 (unshielded Twisted Pair)	Rt	1410		
	CAT-6 (Min 10 to 230MHz or higher) for Telephone and Data	Rt	1410		
5.3	Supply, installation and commissioning of CAT-6A UTP (Unshielded Twisted Pair), purchased of specified length, factory fabricated and UTP tested with anti-Surge Barbs-Gold over nickel plated, made of Schneider, Telle Austria or equivalent approved manufacturer and directed by Engineer in Charge	No.	22		
5.4	Supply, installation and commissioning of Simple type, Dual Shutter Face Plates having fully populated 1+0 (Type 1 RJ 11 with 2157 BPOC) supporting either Cat 6 or Cat 5e cables as required by project (price 2.15 x 1045 = 2236.75) supporting either Cat 6 or Cat 5e cables as required by project.	Lot	200		
5.5	Supply and installation of lead braced CU/PVC (Blue) comprising of Powder Coated MS frame, front gate & two side openings, 10 way lock, front wing top & bottom enter, handle lock with 6 way PDC				



BACHELOR HOSTEL, BILL PRINTING MANGA, LAHORE
SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)
COST ESTIMATE

Sr.Nr.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5
	* 012 2x 5.48x 3.00 x Panel Authentication				
	* Access Control				
	* Access Map Address Filtering				
	* Access Location Detection (Hot)				
	* 802.11e VLAN Mapping				
	* Rogue AP Detection				
	* 802.1X Support				
	* 10/100/1000 Personal/Enterprise WPA&Personal/Enterprise				
	WPA&Personal: Enterprise operating system for controller				
	Microsoft Windows XP, Vista, Windows 7, Windows 8,				
	Windows 10, Windows 11, Linux				
	- Operating Temperature: -30~70 (-22~156 °F)				
	* Storage Temperature: -40~70 (-40~156 °F)				
	* Operating Humidity: 10~90% RH non-condensing				
	* Storage Humidity: 5~90% RH non-condensing	Each	100		
	Subtotal Non-Schedule Item				
	* In-Schedule Item				
	* Out-of-Schedule Item				
	Total for Bill No.5				
	(Carried over to Summary of Price)				




BACHELOR HOSTEL BILL PRINTING MANGA, LAHORE
SUI NORTHERN GAS PIPELINES LIMITED (SNGPL)
COST ESTIMATE

Sr.No.	Description	Unit	Qty	Unit Rate	Amount Rs.
1	3	4	5	6	7=6x5
	Bill No: CCTV Surveillance System				
	Schedule Items				
1.1	Supply and installation of 1500' precast and concrete water, including inspection, pull wire, trunk, routing, channel and spacing wires, etc., make structural supports.	Rm	518		
1.2	Supply, installation and commissioning of wiring with 4-pair 24-core, 24/0.25mm ² EN local cable. Conforming to the following standards: IS:1164 (Part 1) IS:1164 (Part 2) IS:1164 (Part 3) IS:1164 (Part 4) IS:1164 (Part 5) IS:1164 (Part 6) IS:1164 (Part 7) IS:1164 (Part 8) IS:1164 (Part 9) IS:1164 (Part 10) IS:1164 (Part 11) IS:1164 (Part 12) IS:1164 (Part 13) IS:1164 (Part 14) IS:1164 (Part 15) IS:1164 (Part 16) IS:1164 (Part 17) IS:1164 (Part 18) IS:1164 (Part 19) IS:1164 (Part 20) IS:1164 (Part 21) IS:1164 (Part 22) IS:1164 (Part 23) IS:1164 (Part 24) IS:1164 (Part 25) IS:1164 (Part 26) IS:1164 (Part 27) IS:1164 (Part 28) IS:1164 (Part 29) IS:1164 (Part 30) IS:1164 (Part 31) IS:1164 (Part 32) IS:1164 (Part 33) IS:1164 (Part 34) IS:1164 (Part 35) IS:1164 (Part 36) IS:1164 (Part 37) IS:1164 (Part 38) IS:1164 (Part 39) IS:1164 (Part 40) IS:1164 (Part 41) IS:1164 (Part 42) IS:1164 (Part 43) IS:1164 (Part 44) IS:1164 (Part 45) IS:1164 (Part 46) IS:1164 (Part 47) IS:1164 (Part 48) IS:1164 (Part 49) IS:1164 (Part 50) IS:1164 (Part 51) IS:1164 (Part 52) IS:1164 (Part 53) IS:1164 (Part 54) IS:1164 (Part 55) IS:1164 (Part 56) IS:1164 (Part 57) IS:1164 (Part 58) IS:1164 (Part 59) IS:1164 (Part 60) IS:1164 (Part 61) IS:1164 (Part 62) IS:1164 (Part 63) IS:1164 (Part 64) IS:1164 (Part 65) IS:1164 (Part 66) IS:1164 (Part 67) IS:1164 (Part 68) IS:1164 (Part 69) IS:1164 (Part 70) IS:1164 (Part 71) IS:1164 (Part 72) IS:1164 (Part 73) IS:1164 (Part 74) IS:1164 (Part 75) IS:1164 (Part 76) IS:1164 (Part 77) IS:1164 (Part 78) IS:1164 (Part 79) IS:1164 (Part 80) IS:1164 (Part 81) IS:1164 (Part 82) IS:1164 (Part 83) IS:1164 (Part 84) IS:1164 (Part 85) IS:1164 (Part 86) IS:1164 (Part 87) IS:1164 (Part 88) IS:1164 (Part 89) IS:1164 (Part 90) IS:1164 (Part 91) IS:1164 (Part 92) IS:1164 (Part 93) IS:1164 (Part 94) IS:1164 (Part 95) IS:1164 (Part 96) IS:1164 (Part 97) IS:1164 (Part 98) IS:1164 (Part 99) IS:1164 (Part 100)	Rm	518		
1.3	Supply, installation & commissioning of 1500' precast and concrete water, including inspection, pull wire, trunk, routing, channel and spacing wires, etc., make structural supports.	Rm	9		
	Total for Bill No: 1500' precast and concrete water, including inspection, pull wire, trunk, routing, channel and spacing wires, etc., make structural supports.				
	Refer to Summary of Prices				



SNGPL CENTRAL BASE WORKSHOP AT MANGA MANDI, LAHORE

Bill No. 7.

Estimate (Dismantling Works)

Sr. No	Description	Unit	Quantity	Rate	Amount
1	Dismantling of Perapit wall (Rcc / Brick Work)	Cft	799.31		-
2	Dismantling of Columns (Rcc Concrete)	Cft	171.53		-
3	Removing of Perapit top Marble	Sft	304.50		-
4	Removing of Roo* Treatment	Sft	6.438.50		-
5	Removing of Stair Room Roof Slab (Precast)	Sft	313.50		-
Grand Total Amount (Pkr.)					-

Measurement Sheet

Sr. #	Description	Unit	Quantity	Unit Rate	Amount Rs.
1	Dismantling of Parapit wall (Rcc / Brick Work)				
	W-1	Cft	187.69		
	W-2	Cft	236.88		
	W-3	Cft	141.75		
	W-4	Cft	49.88		
	W-5	Cft	43.31		
	W-6	Cft	198.19		
	D/d of Opening OP-1	Cft	(21.00)		
	D/d of Opening OP-2	Cft	(13.13)		
	D/d of Opening OP-3	Cft	(15.75)		
	D/d of Opening OP-4	Cft	(10.50)		
	Total Quantity (Cft)		799.31		
2	Dismantling of Columns (Rcc Concrete)				
	C-1	Cft	58.00		
	C-2	Cft	63.00		
	C-3	Cft	52.50		
	Total Quantity (Cft)		171.50		
3	Removing of Parapit top Marble				
	W-1	Sft	71.50		
	W-2	Sft	91.00		
	W-3	Sft	54.00		
	W-4	Sft	19.00		
	W-5	Sft	16.50		
	W-6	Sft	75.50		
	D/d of Opening OP-1	Cft	(8.00)		
	D/d of Opening OP-2	Cft	(5.00)		
	D/d of Opening OP-3	Cft	(6.00)		
	D/d of Opening OP-4	Cft	(4.00)		
	Total Quantity (Sft)		304.50		
4	Removing of Roof Treatment				
	A-1	Sft	5148.00		
	A-2	Sft	1028.00		
	D/d of C-1	Cft	(16.00)		
	D/d of C-2	Cft	(18.00)		
	D/d of C-3	Cft	(15.00)		
	Stair Room	Sft	313.50		
	Total Quantity (Sft)		6438.50		
5	Removing of Stair Room Roof Slab (Precast)				
	R-1	Sft	313.50		
	Total Quantity (Sft)		313.50		



DRAWINGS

Drawings for the Subject project attached as a Separate Binder.



DRAWINGS

Drawings for the Subject project attached as a Separate Binder.



Sui Northern Gas Pipelines Limited
SNGPL



BACHELOR HOSTEL AT BILL PRINTING MANGA LAHORE

TENDER DRAWINGS
JANUARY, 2026



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LIST OF DRAWINGS

Sr. Nr.	Description	Drg.Nr.	Sr. Nr.	Description	Drg.Nr.
	Civil Works		23	Mumty Slab Beams Sectional Details	SNGPL-MM-BP-S-03
1	Location Plan		24	O.H.W Tank Structural Details	SNGPL-MM-BP-S-04
2	Location Plan	SNGPL-MM-BP-C-01	25	Ground Floor Plan Modification Plan & Sectional Details	SNGPL-MM-BP-S-05
3	Master Plan	SNGPL-MM-BP-C-02		Electrical Works	
4	Ground Floor Plan (Existing)	SNGPL-MM-BP-C-03	25	Electrical Legend, General Notes & Detail of Earthing System	SNGPL-MM-BP-E-01
5	First Floor Working Plan	SNGPL-MM-BP-C-04	26	Coordination Layout First Floor Plan	SNGPL-MM-BP-E-02
6	Mumty Floor Plan	SNGPL-MM-BP-C-05	27	Lighting Layout First Floor Plan	SNGPL-MM-BP-E-03
7	Front & Rear Elevation	SNGPL-MM-BP-C-06	28	Power Sockets Layout First Floor Plan	SNGPL-MM-BP-E-04
8	Right Side & Left Side Elevation	SNGPL-MM-BP-C-07	29	Ac Layout First Floor Plan	SNGPL-MM-BP-E-05
9	Section - (A-A & B-B)	SNGPL-MM-BP-C-08	30	Telephone, Wifi & Television Layout First Floor Plan	SNGPL-MM-BP-E-06
10	Door , Windows Plan & Schedule	SNGPL-MM-BP-C-09	31	Fire Alarm System Layout First Floor Plan	SNGPL-MM-BP-E-07
11	Ceiling Layout First Floor Plan	SNGPL-MM-BP-C-10	32	CCTV Layout First Floor Plan	SNGPL-MM-BP-E-08
12	Flooring Pattern First Floor Plan	SNGPL-MM-BP-C-11		Plumbing Works	
13	Flooting Pattern Mumty Floor Plan	SNGPL-MM-BP-C-12	33	Legend and Notes (Plumbing)	SNGPL-MM-BP-P-01
14	Furniture Layout First Floor Plan	SNGPL-MM-BP-C-13	34	Ground Floor Drainage System Layout	SNGPL-MM-BP-P-02
15	Stair Details	SNGPL-MM-BP-C-14	35	First Floor Drainage System Layout	SNGPL-MM-BP-P-03
16	Toilet Details	SNGPL-MM-BP-C-15	36	Roof Drain Layout	SNGPL-MM-BP-P-04
17	Kitchen Detail	SNGPL-MM-BP-C-16	37	First Floor Water Supply System Layout	SNGPL-MM-BP-P-05
18	Kitchen Detail	SNGPL-MM-BP-C-16	38	Roof Water Supply System Layout	SNGPL-MM-BP-P-06
	Structure Works		39	O.H Water Tank and Gully Trap Details	SNGPL-MM-BP-P-07
19	General Notes-I	SNGPL-MM-BP-GN-01	40	First Floor Fire Protection System Layout	SNGPL-MM-BP-FF-01
20	General Notes-II	SNGPL-MM-BP-GN-02	41	Legend and Notes (HVAC)	SNGPL-MM-BP-AC-01
21	Roof Slab	SNGPL-MM-BP-S-01	42	First Floor HVAC System Layout	SNGPL-MM-BP-AC-02
22	Roof Slab Beams Elevation & Sectional Details	SNGPL-MM-BP-S-02	43	Roof HVAC System Layout	SNGPL-MM-BP-AC-03

ARCHITECTURE



SNGPL
3D VIEWS

NO	DATE	REVISION	BY	CHECKED	APPROVED
01	15/05/2024	Issue for Approval	AS	AS	AS
02					
03					
04					
05					

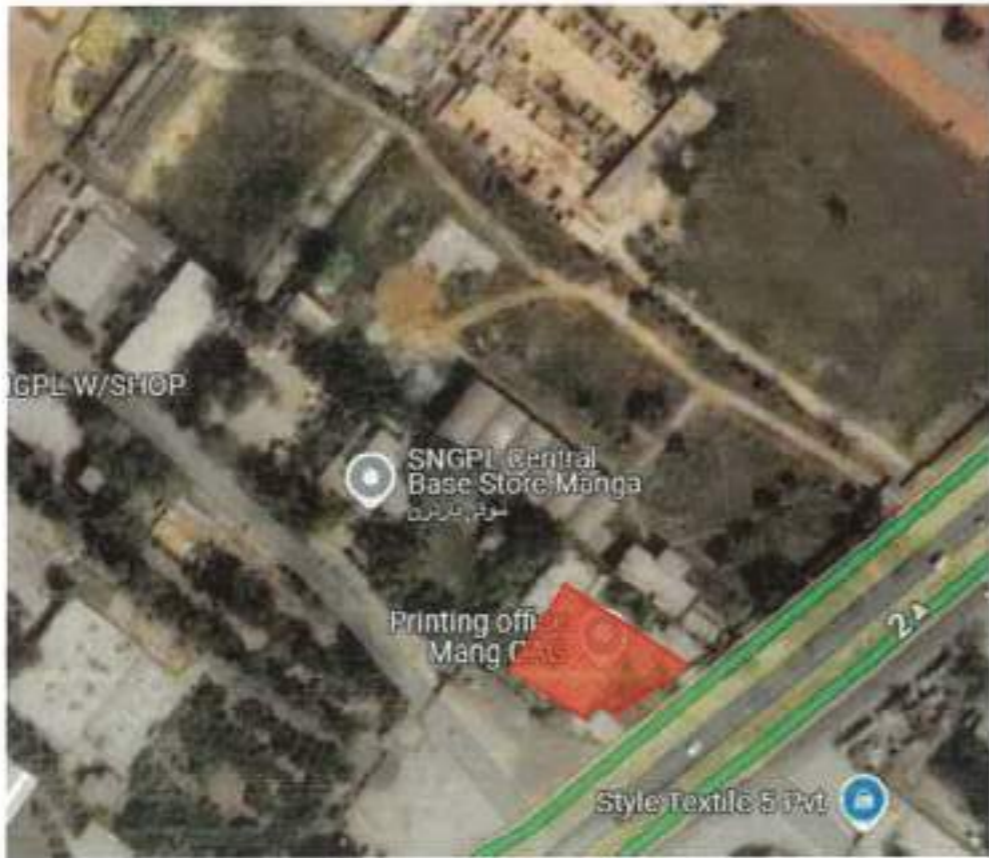
PROJECT NO: SNGPL-MM-BP-C-00

PROJECT: BPC-ELOR HOTEL AT DISTRICT OF MANKA LAHORE

CLIENT: 

DESIGNER:  ASIAN CONSULTING ENGINEERS PVT. LTD.

SNGPL-MM-BP-C-00



SNGPL
P.L.E

LOCATION PLAN

NO.	DATE	REVISION	BY	CHKD
01				
02				
03				
04				
05				

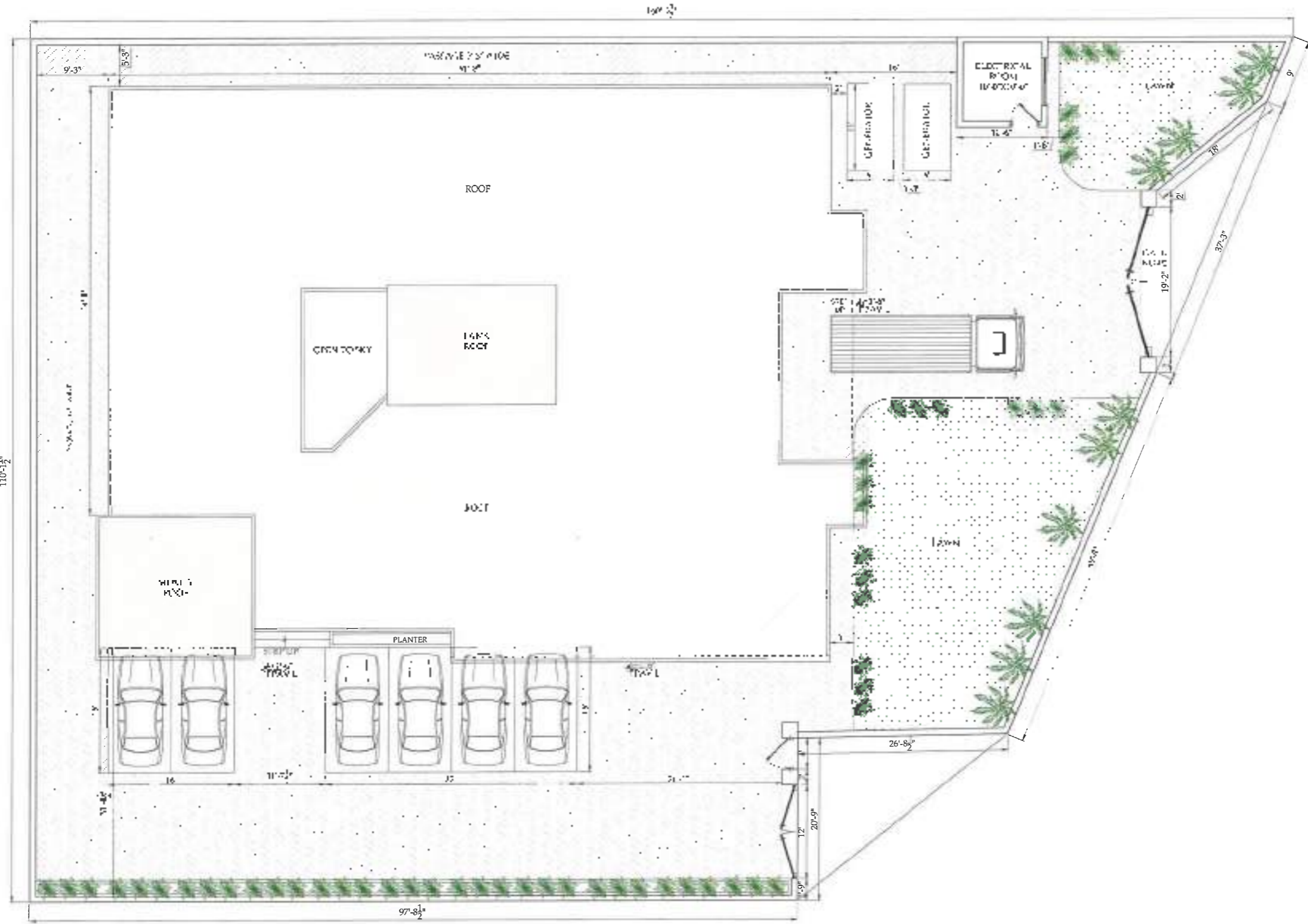
DRAWING NO: **SNGPL-MM-AP-C-01** SHEET NO: **01** OF **01**

**BACHELOR HOSTEL AT
DILMUNING MANGA,
LAHORE**

CLIENT:

CONSULTANT:

SNGPL-MM-AP-C-01



MASTER PLAN
SCALE: 1/8" = 1'-0"

SNGPL
MASTER PLAN

NO.	DATE	DESCRIPTION	BY	CHKD.

DRAWING NO: **SNGPL-MM-PP-G-02** SHEET NO: **02** REV: **02**

PROJECT: **BACHELOR HOSTEL AT JEL HANING KALIA WADHOE**

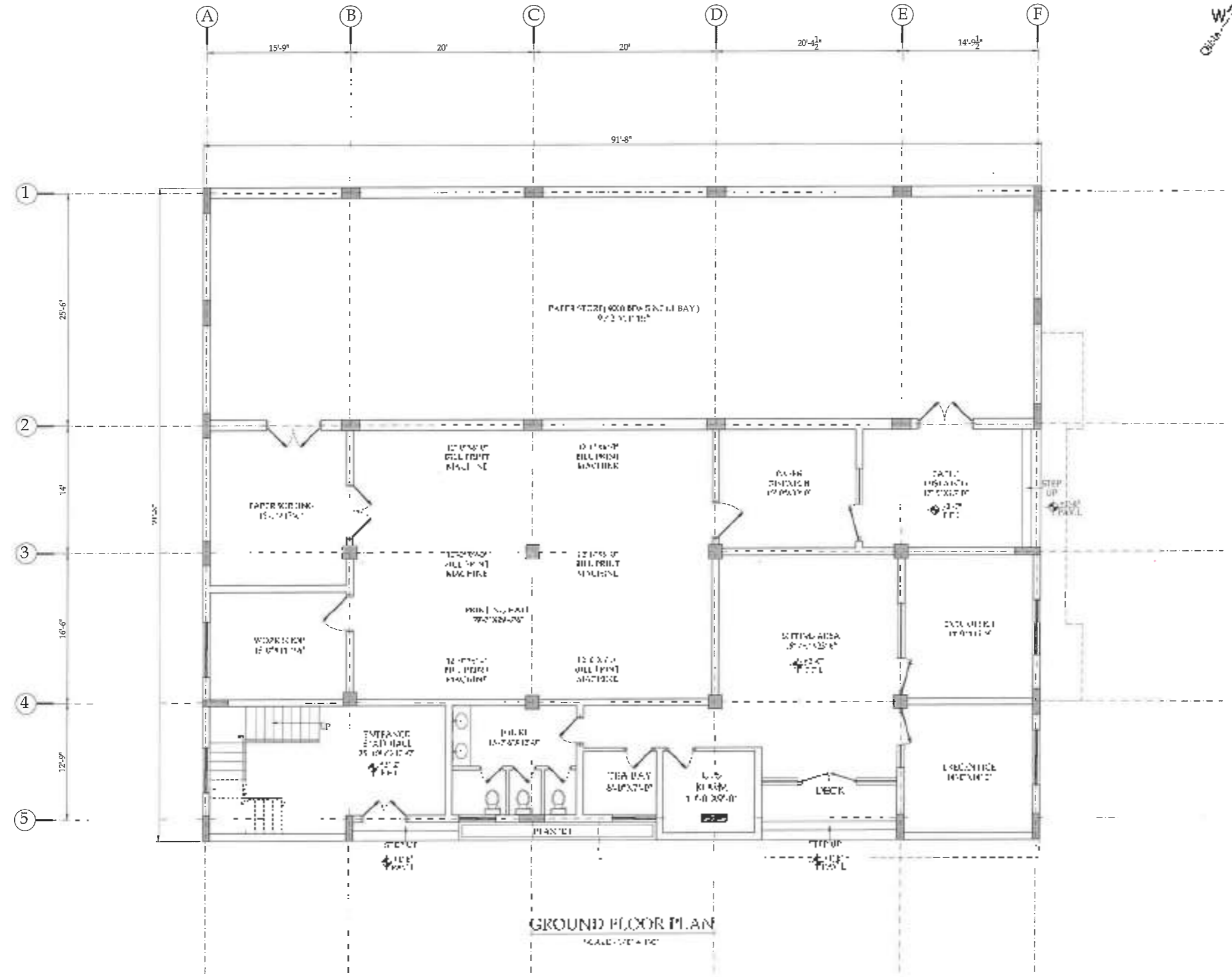


CONSULTANT:
ARIES CONSULTING ENGINEERS
 10th Floor, 10th Mile, 10th Mile, 10th Mile
 10th Mile, 10th Mile, 10th Mile

SNGPL-MM-PP-G-02



KEY PLAN



GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"

SNGPL
IF.2

**EXISTING
GROUND FLOOR PLAN**

NO.	REV.	DATE	BY	CHKD.

DRAWING NO: **SNGPL-MM-PP-G-03**

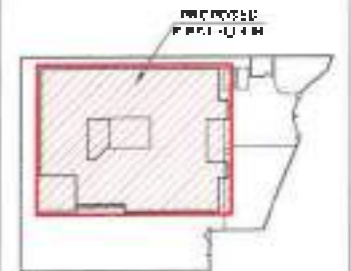
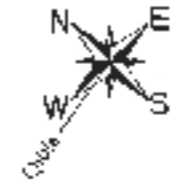
PROJECT: **BACHELOR HOSTEL AT
BELLAMUNDA KANTHA
CHORE**



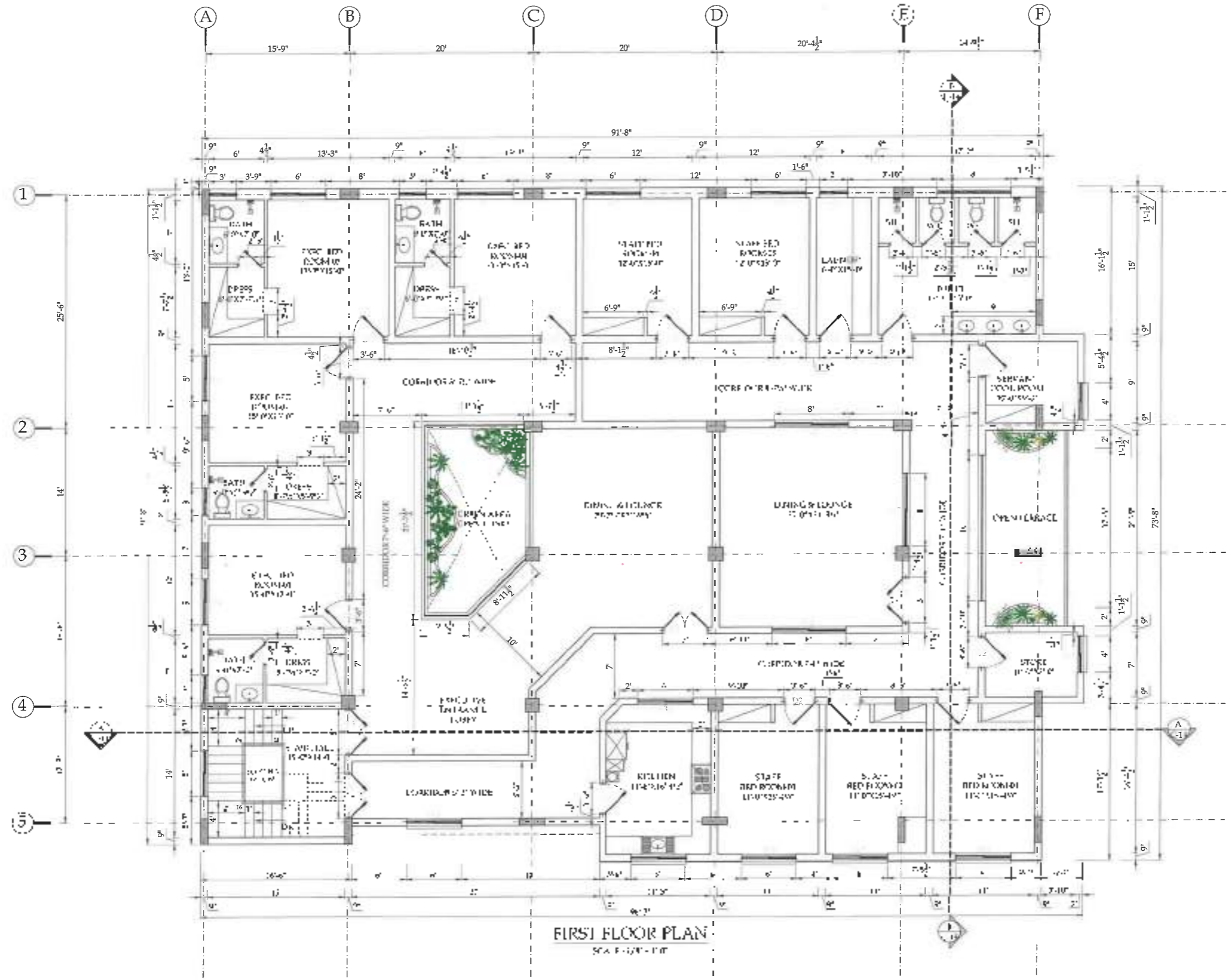
CONSULTANT:

A&S CONSULTING ENGINEERS PVT. LTD.
24/25, 2ND FLOOR, CHAMRAJAODE CROSS, BANGALORE
INDIA. TEL: 080-2660 7000

SNGPL-MM-PP-G-03



KEY PLAN



FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

SINGPL	
PROPOSED FIRST FLOOR WORKING PLAN	
NO.	DATE
1	10/10/2024
2	
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DRAWING NO: **SINGPL-MM-BP C 04** SHEET 00 REV 00

PROJECT: **BACHELOR HOSTEL AT
ULL TRINITY VARDIA
LAKHIL**

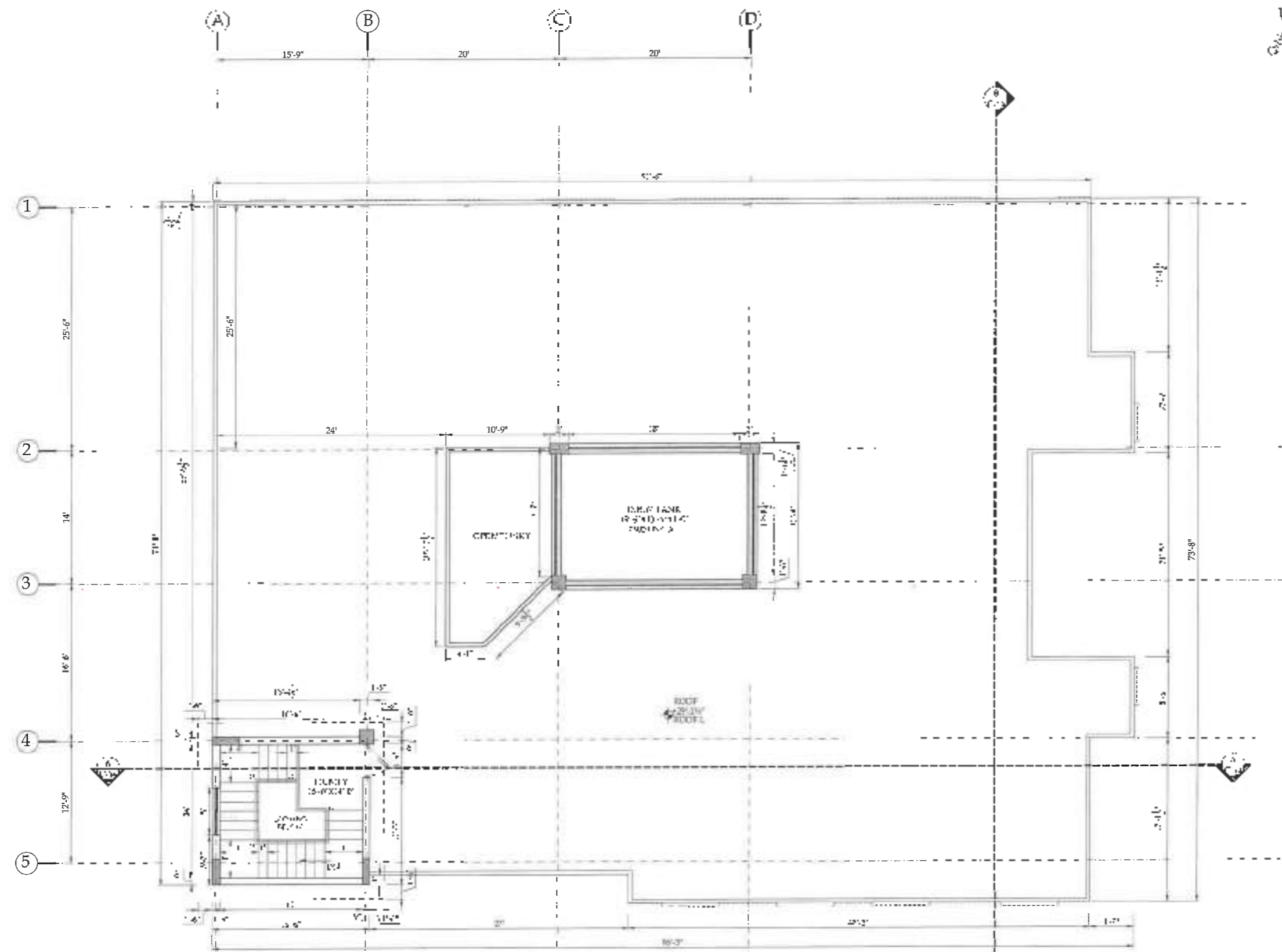


DESIGNER:
ARUN CONCEPTS ENGINEERS
PLOT NO. 10, PHASE II, VARDIA INDUSTRIAL ESTATE,
ULTRATECH CITY, LAKHIL, UTTAR PRADESH
PIN - 201301

SINGPL-MM-BP-C-04



KEY PLAN



MUMTY FLOOR PLAN
N.A.S. 1/2" = 1'-0"

ENGINEER	
MUMTY FLOOR PLAN	
NO.	DATE
1	15/11/2024
2	15/11/2024
3	15/11/2024
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7	15/11/2024
8	15/11/2024
9	15/11/2024
10	15/11/2024

DRAWING NO: SNGPL-MM-BP-C-05

NO. 01 BACHELOR HOSTEL AT HILL POINTING MANCHA LAHORE



DESIGNER: SNGP ENGINEERING CONSULTANTS
 100-A, GHAZI ROAD, GHAZI PUNJAB
 TEL: 3587-2340000
 FAX: 3587-2340000

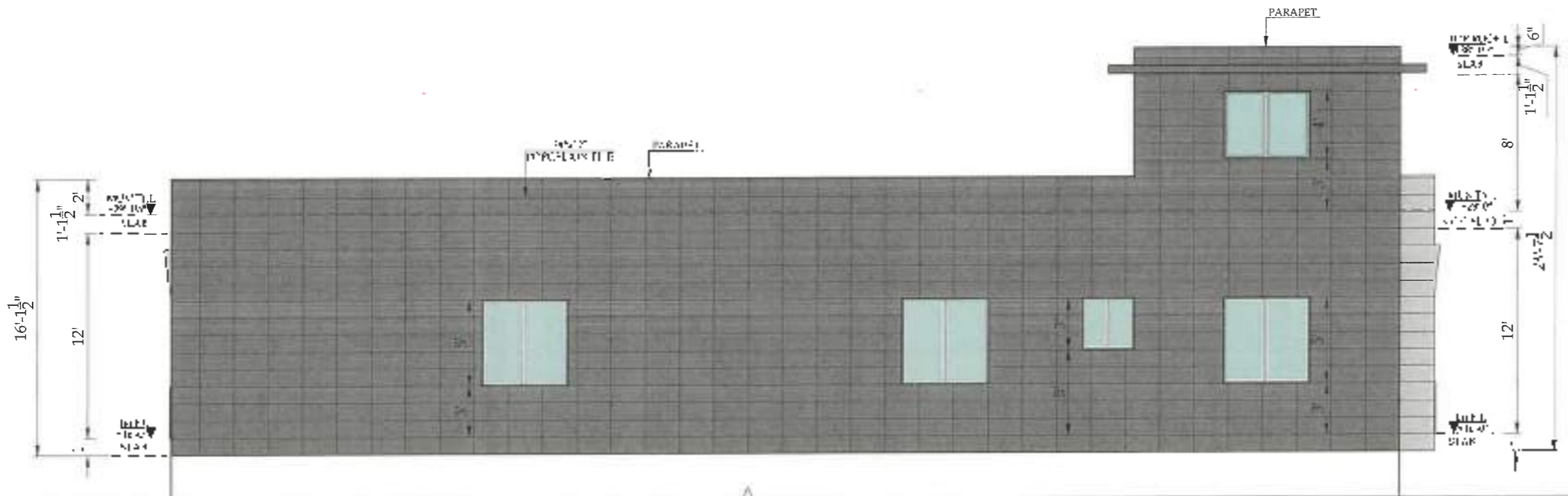
SNGPL-MM-BP-C-05



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



KEY PLAN



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

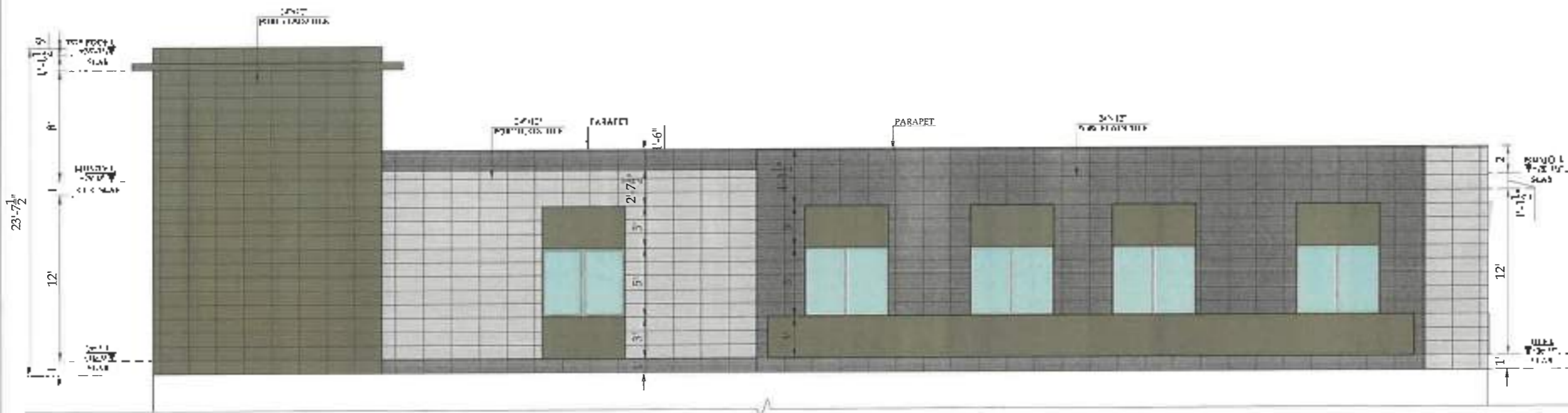
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100	11/11/2024

PROJECT: (ACQUISITION) SUSAN L. A. BILL FREDERICKSON & ASSOCIATES



CLIENT: **Bill Frederickson & Associates**
11111 1st Street, Suite 100, San Diego, CA 92121
Tel: 619-594-1111

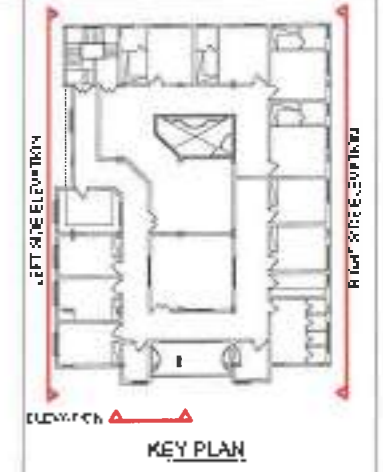
SNGPL-MM-BF-C-06



LEFT SIDE ELEVATION
SCALE: 1/8" = 1'-0"



RIGHT SIDE ELEVATION
SCALE: 1/8" = 1'-0"



KEY PLAN

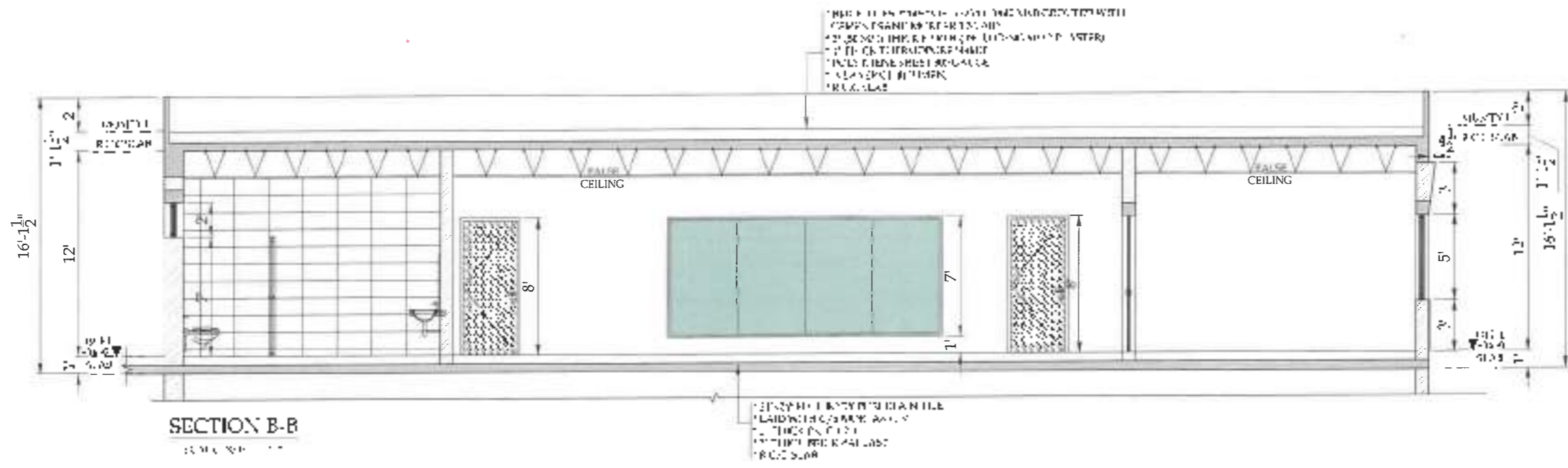
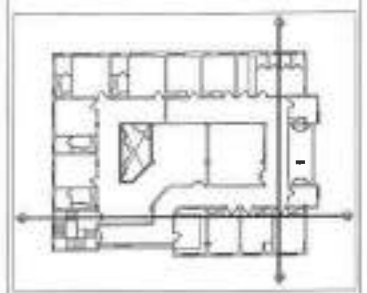
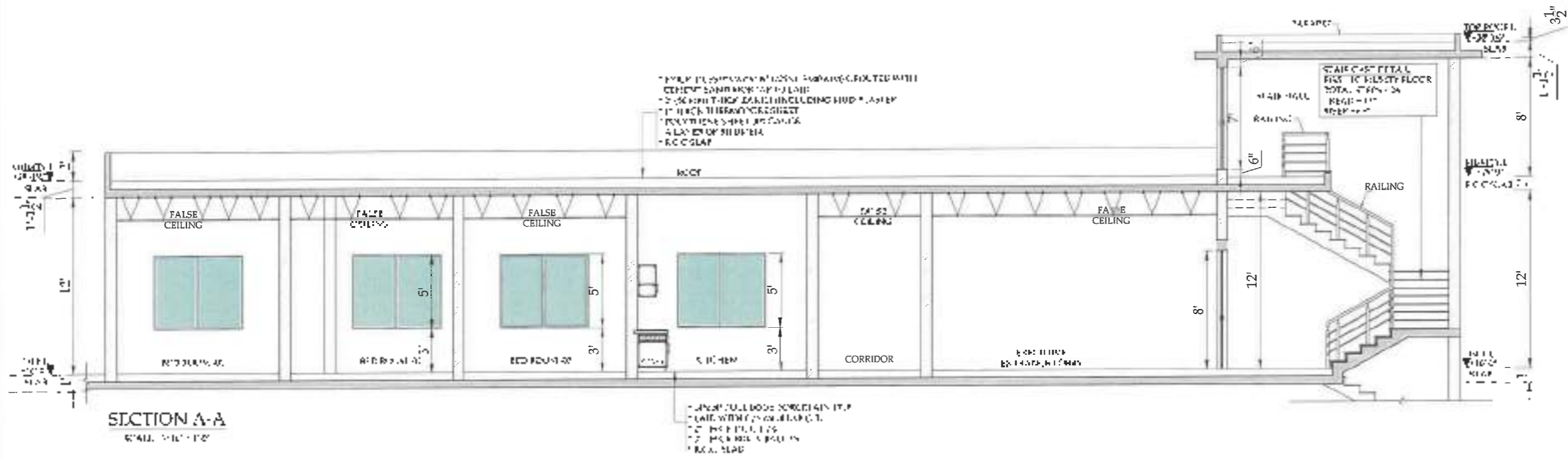
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300	10/10/2017

SNGPL-MM-BP-C-07

CLIENT:

CONSULTANT:

Agha Engineering & Services
11-B, Block 8, Phase 8, F-7/3, Islamabad
Tel: 37322222, 37322222, 37322222

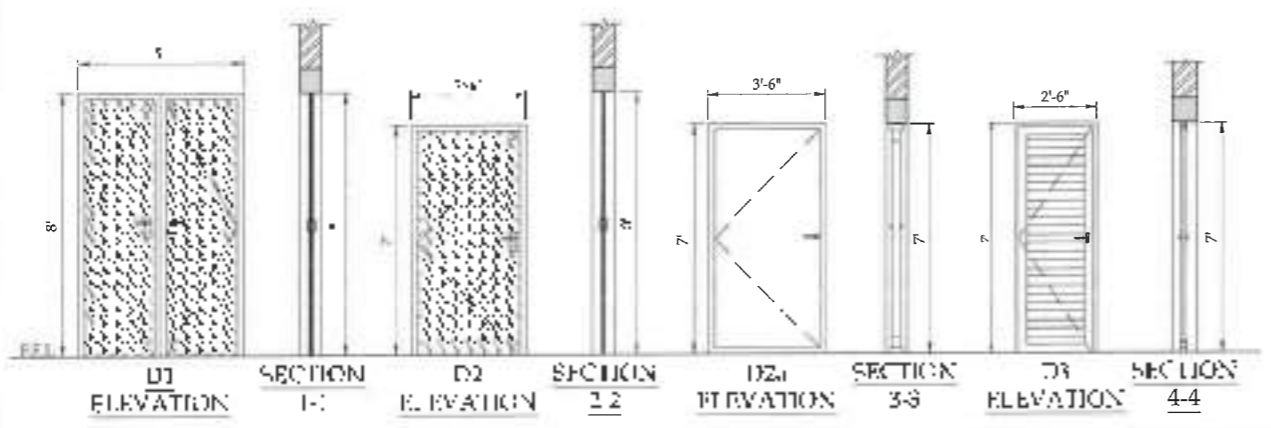
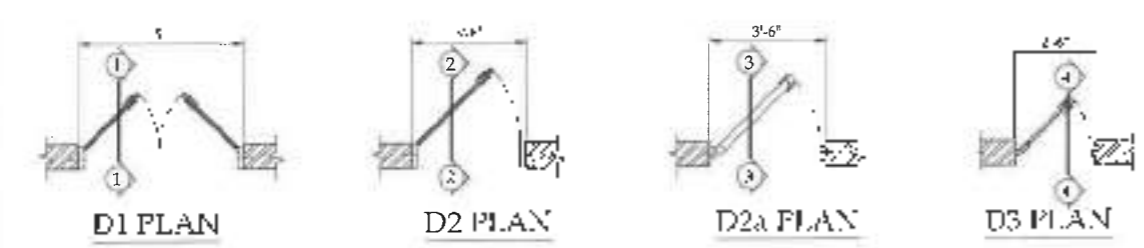
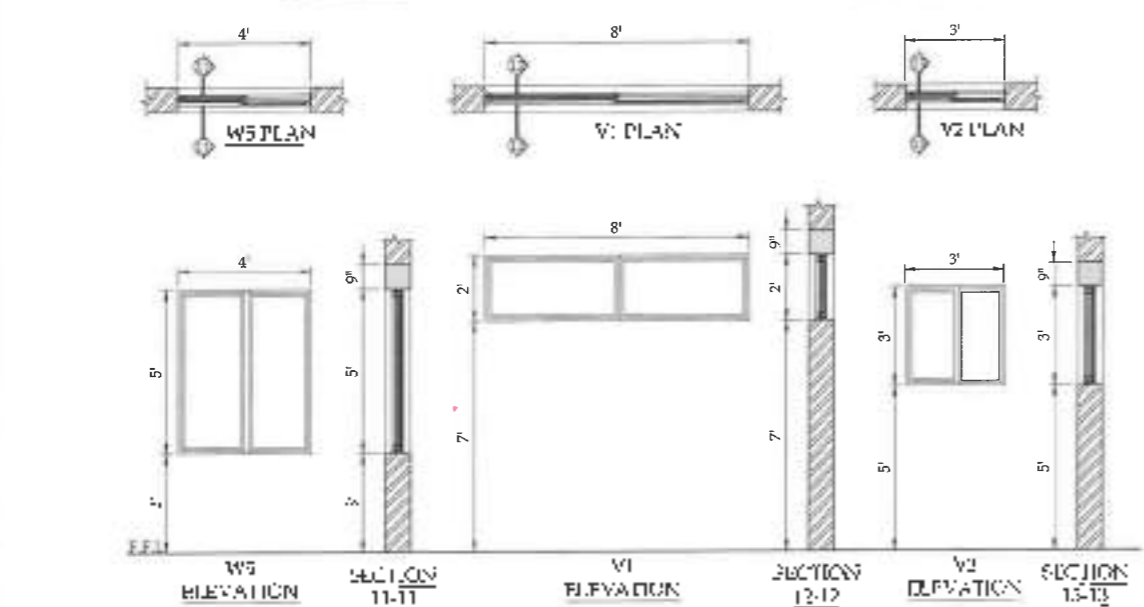
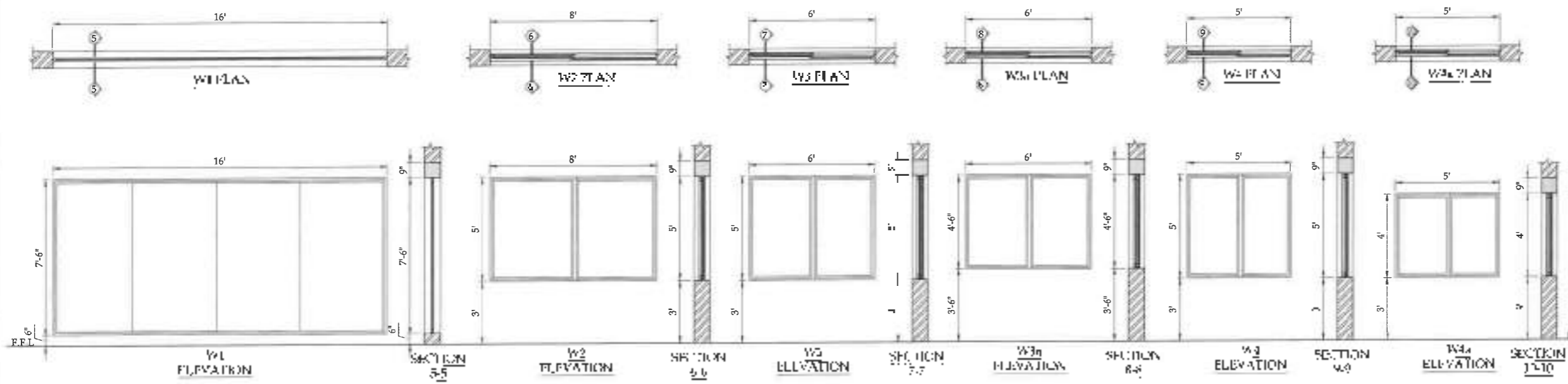


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SNGPL-MM-B-C-03



CONSULTANT:
ADVANCED ENGINEERS
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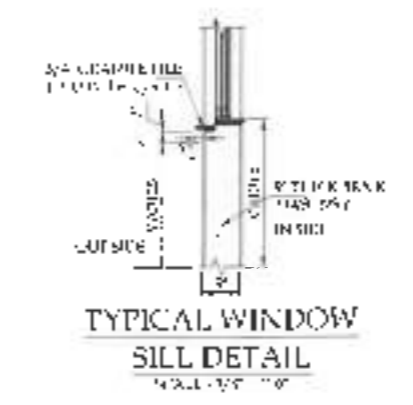


DOORS SCHEDULE

Sl. No.	TYPE	SIZE	SHL.	QTY.	DESCRIPTION
1	D1	5'-0" x 8'-0"	0-0"	04	WOODEN DOOR
2	D2	5'-6" x 7'-6"	0-0"	14	WOODEN DOOR
3	D2a	3'-6" x 7'-6"	0-0"	21	MS DOOR
4	D3	4'-6" x 7'-6"	0-0"	04	WPC DOOR

WINDOWS SCHEDULE

Sl. No.	TYPE	SIZE	SHL.	QTY.	DESCRIPTION
1	W1	16'-0" x 7'-6"	0-0"	01	16 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS FIXED WINDOW
2	W2	8'-0" x 5'-0"	0-0"	05	8 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS SLIDING WINDOW
3	W3	6'-0" x 5'-0"	0-0"	06	6 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS SLIDING WINDOW
4	W3a	6'-0" x 4'-6"	0-0"	02	6 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS SLIDING WINDOW
5	W4	5'-0" x 5'-0"	0-0"	08	5 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS SLIDING WINDOW
6	W4a	5'-0" x 4'-0"	0-0"	01	5 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS SLIDING WINDOW
7	W5	4'-0" x 5'-0"	0-0"	02	4 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS SLIDING WINDOW
8	V1	8'-0" x 7'-6"	0-0"	01	8 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS SLIDING WINDOW
9	V2	3'-0" x 5'-0"	0-0"	05	3 mm TH ALUMINUM SINGLE GLAZED WITH 5mm TH GLASS SLIDING WINDOW



PROJECT TITLE: DOORS, WINDOWS PLAN & SCHEDULE

NO. SHEET: 11

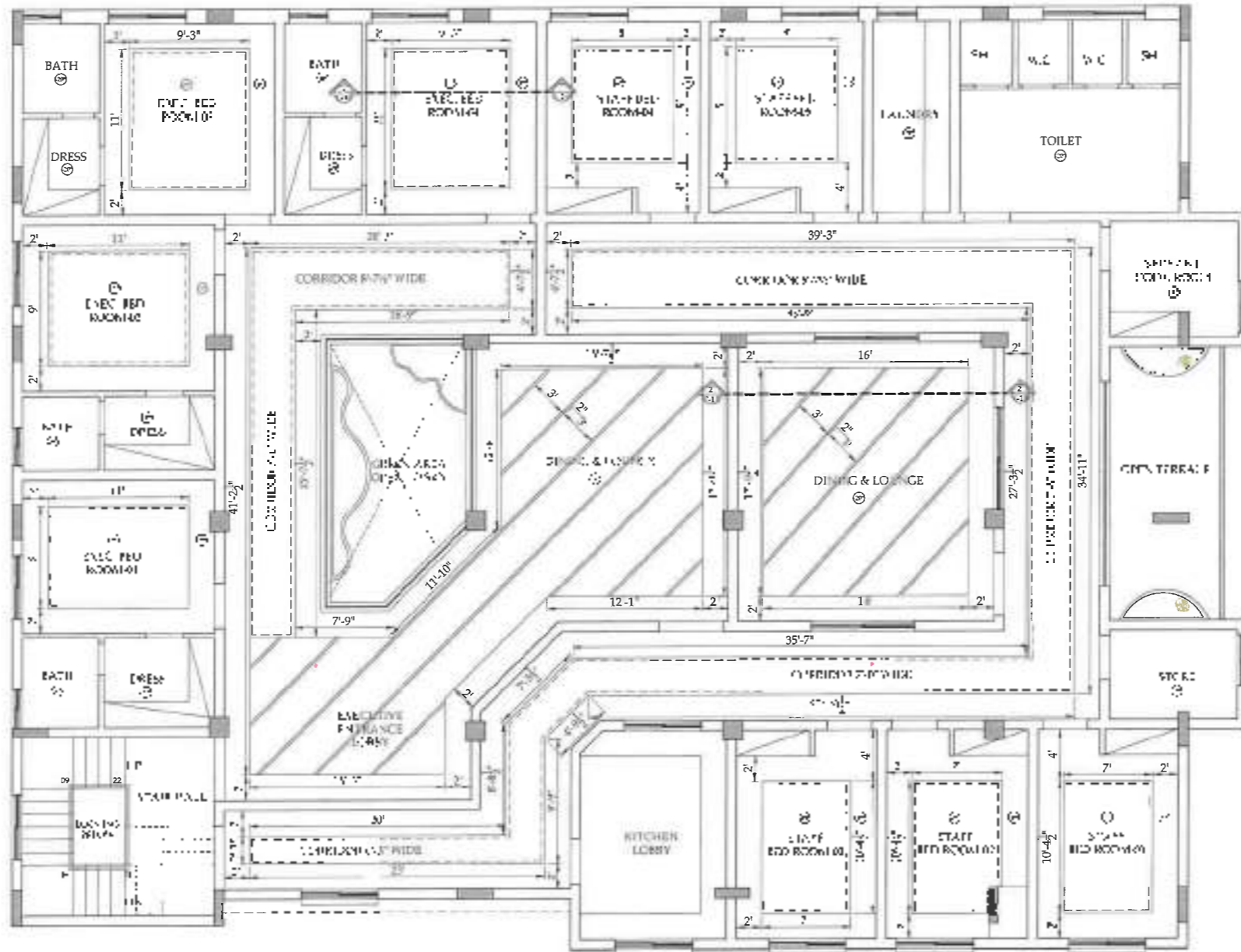
REV. NO: 00

PROJECT: 1041 PHASE HOTEL AT BILI PRITHI WANGI LAHORE

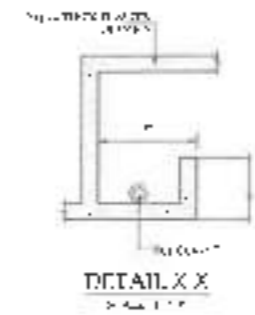
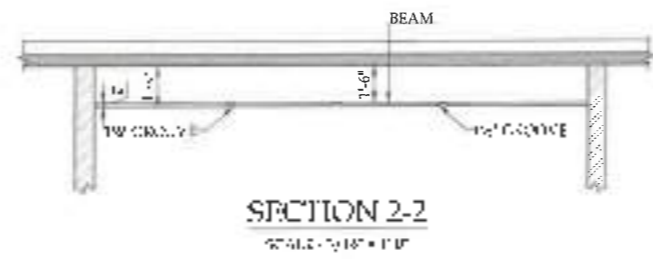
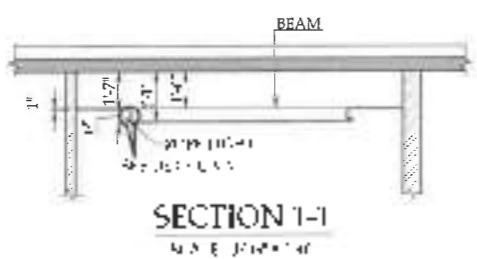
CLIENT:

CONSULTANT:

SNO-PLAN-MW-D-09

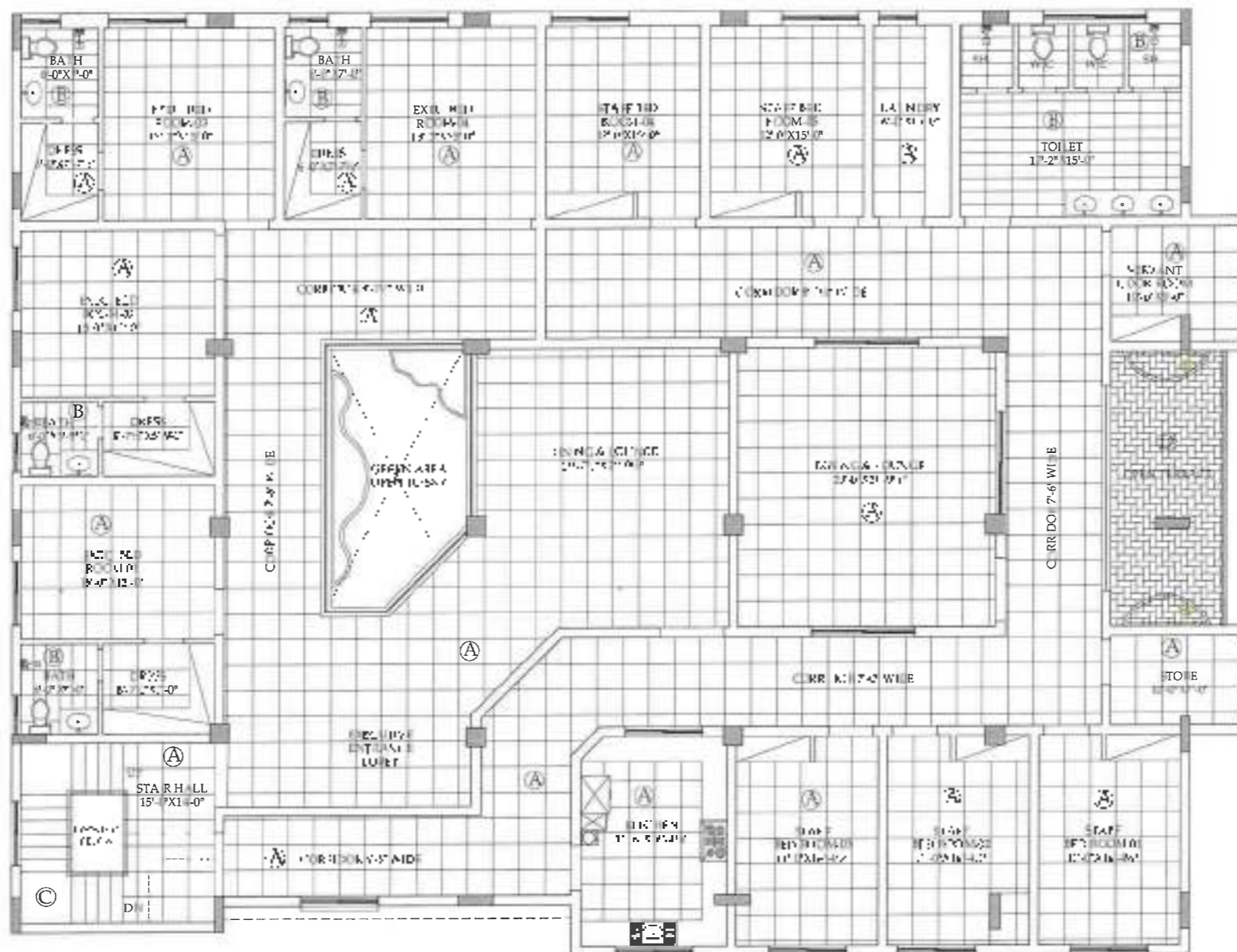


CEILING LAYOUT FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



ENGPL 2000-07-01 PROPOSED CEILING LAYOUT FIRST FLOOR PLAN																			
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NO.	DATE	DESCRIPTION	BY	CHKD.															
DRAWING NO: ENGPL-WM-BP-C-10																			
PROJECT: FACILITY: HOTEL AT BIL PRITHI MANSA LAHORE																			
CLIENT:																			
CONSULTANT:																			

SMD-TL-WM-BP-C-10



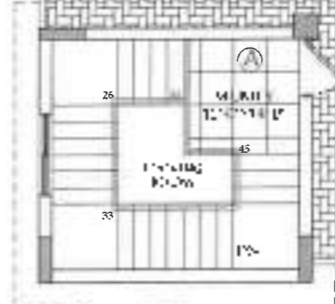
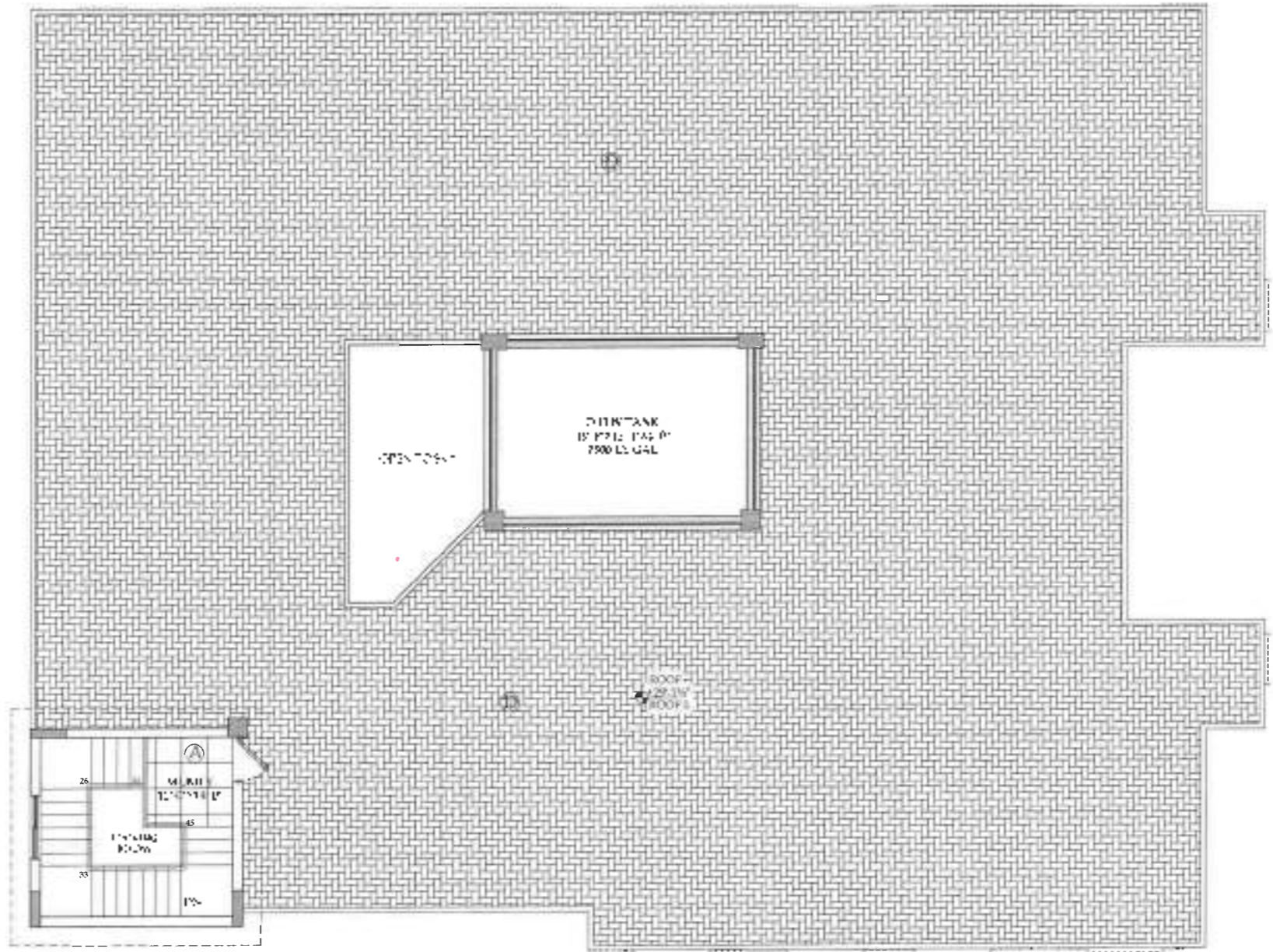
**FLOORING PATTERN
FIRST FLOOR PLAN**
SCALE: 1/4" = 1'-0"

FLOORING LEGEND
 A-24" x 24" MATTE FINISH PORCELAIN TILE
 B-24" x 24" MATTE FINISH PORCELAIN TILE
 C-BLACK GRANITE ON TREAD & RISER
 D-ROOF TILE

SNGPL
 TITLE: **FLOORING PATTERN FIRST FLOOR PLAN**
 AREA: 500
 DATE: 2023
 DRAWING NO: **SNGPL-MM-BP-C-11**
 PROJECT: **HAL PELUR HOSTEL AT BULU PRITING MANGA LAHURE**
 CLIENT:

NO	REVISION	DATE	BY	CHECKED
1	ISSUED FOR PERMIT	2023-10-20	...	...
2	ISSUED FOR CONSTRUCTION	2023-10-20	...	...

INSTITUT TEKNOLOGI SEPULUH NOPEMBER
 SURABAYA



FLOORING LEGEND
 A=200MM MATT FINISH P. PORCELAIN TILE
 B=200X120 MATT FINISH PORCELAIN TILE
 C=BLACK GRANITE ON TREAU & RISER
 D=ROOF TILE

FLOORING PATTERN
MUMTY FLOOR PLAN
 SCALE: 1/8"=1'-0"

SNGPL
 FILE
FLOORING PATTERN
MUMTY FLOOR PLAN

NO.	DATE	REVISION	BY	CHKD	APP'D
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02		ISSUE FOR WORK			
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04					
05					
06					
07					
08					
09					
10					

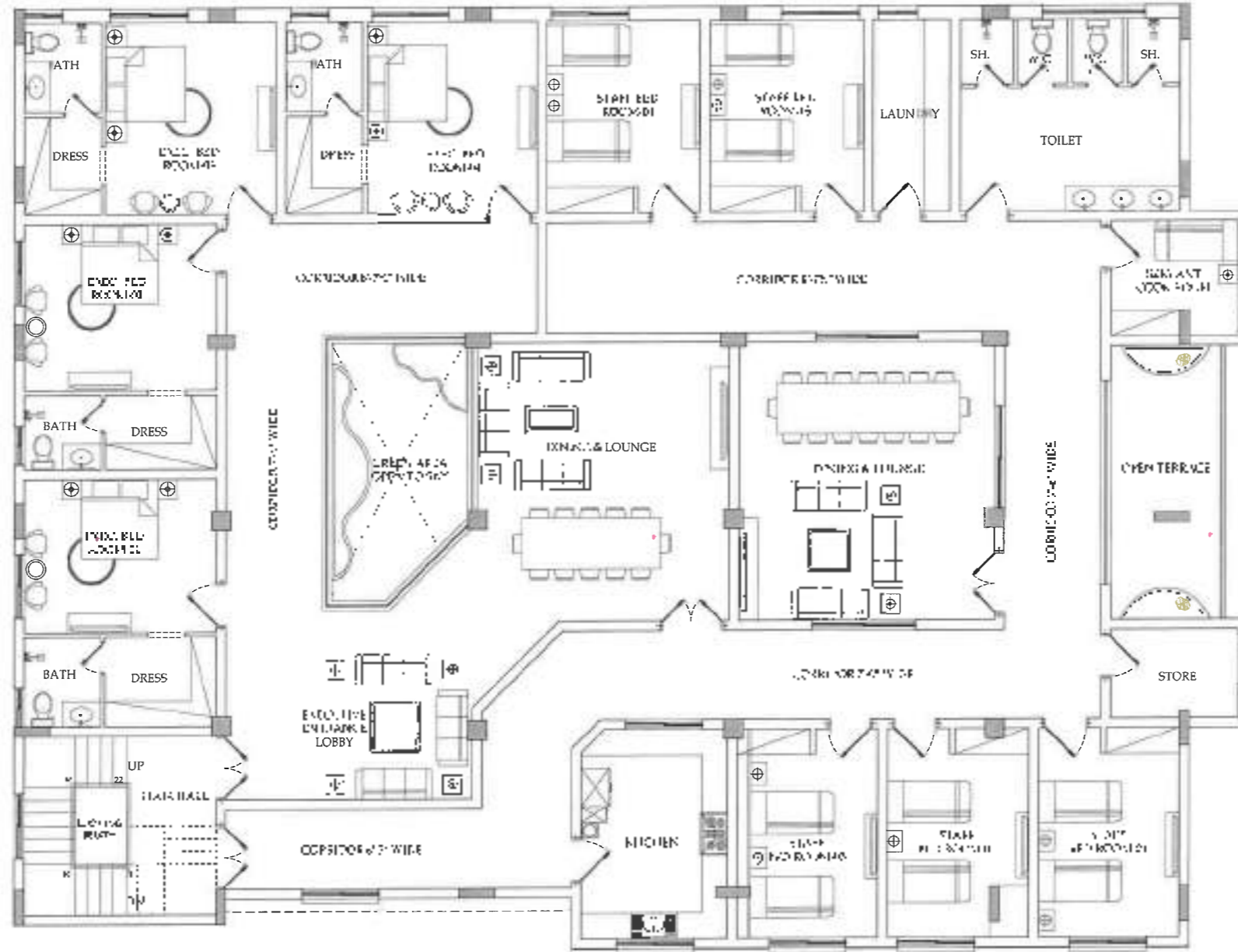
PROJECT NO: SNGPL-MM-BP-C-12 DRAWN BY: [Name] DATE: [Date]

PROJECT: BACHELOR HOSTEL AT BILIPUTINA, KANDLA SHORE

CLIENT: **For Greater Education United**

CONSULTANT: **ANAND CONSULTING ENGINEERS**
 C-43, Sector 14, Gurgaon, Haryana
 Ph: 012-261-1111, 012-261-1112
 Fax: 012-261-1113, 012-261-1114

SNGPL-MM-BP-C-12



FURNITURE LAYOUT FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

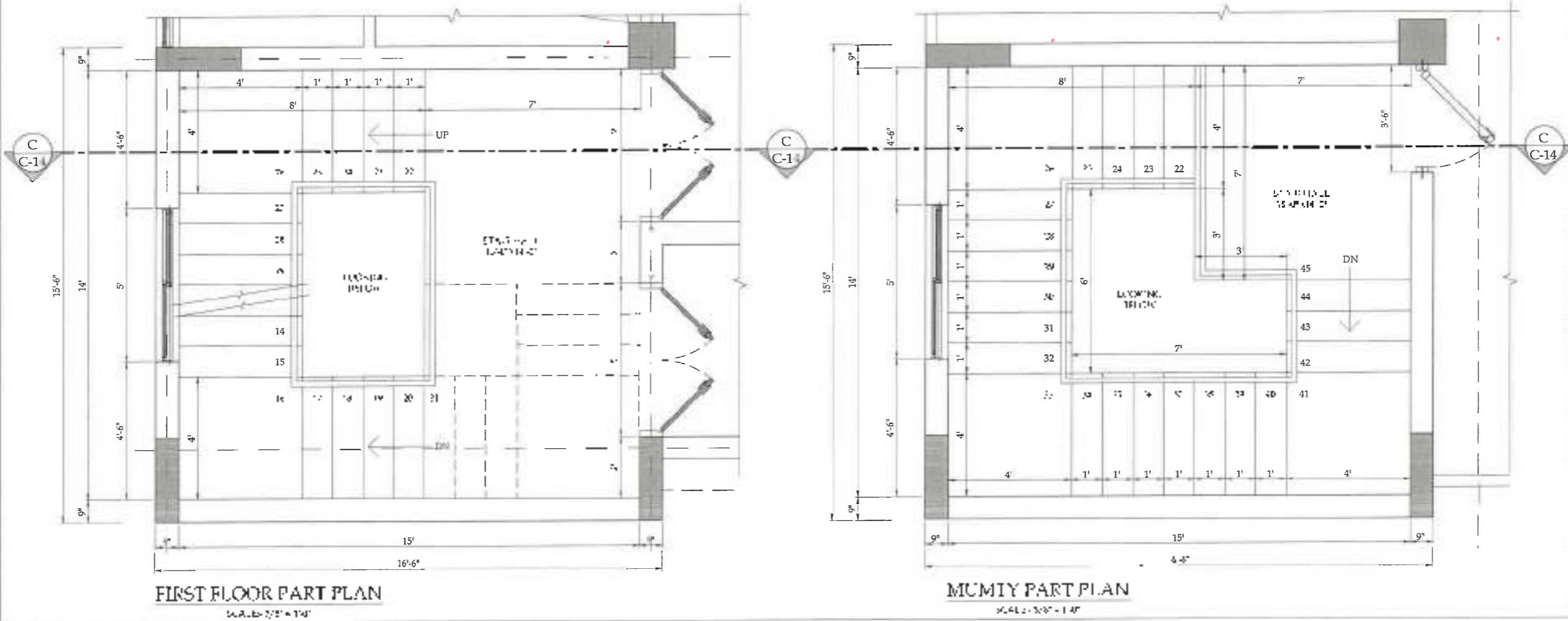
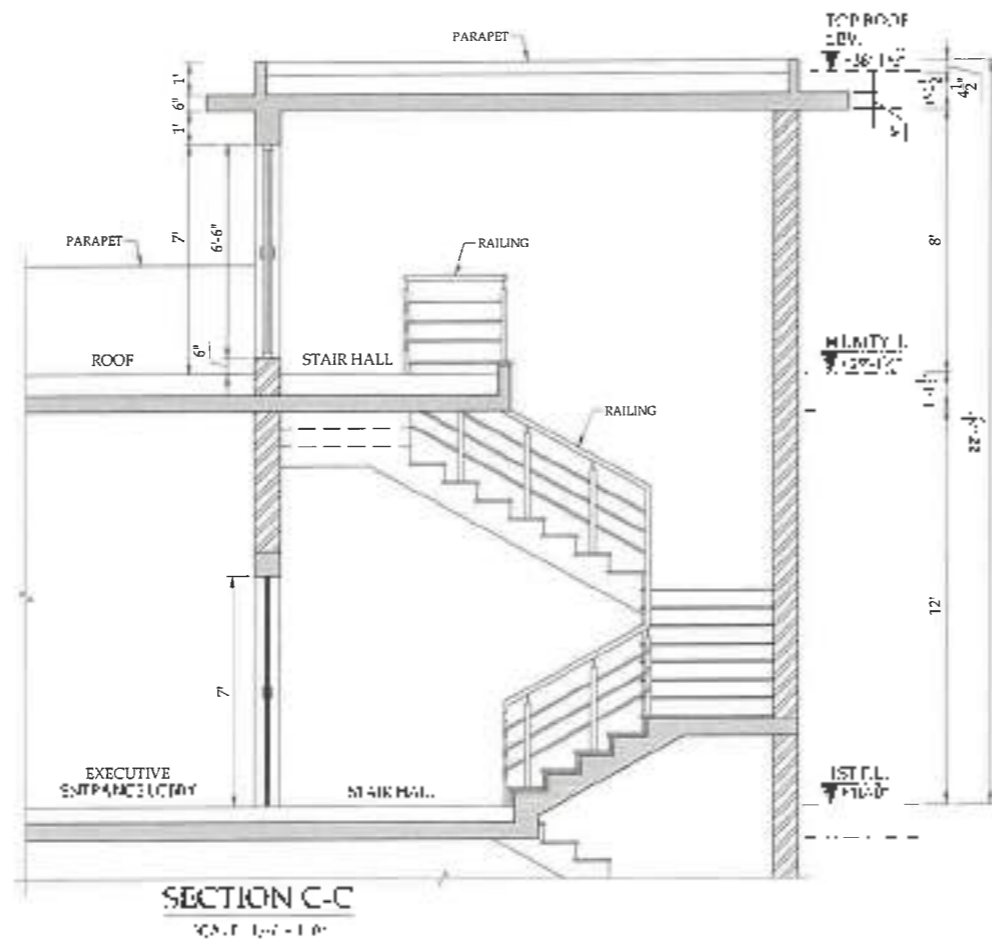
SNGPL
**FURNITURE LAYOUT
 FIRST FLOOR PLAN**

NO.	DATE	REVISION	BY	CHECKED
1				
2				
3				
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5				
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7				
8				
9				
10				

PROJECT: SACAFOR - OSTEL AT GULLFRONTINGANZA LAHORE

CLIENT:

CONSULTANT:



ENGPL
STAIR DETAIL

NO.	DATE	BY	CHECKED	REVISION

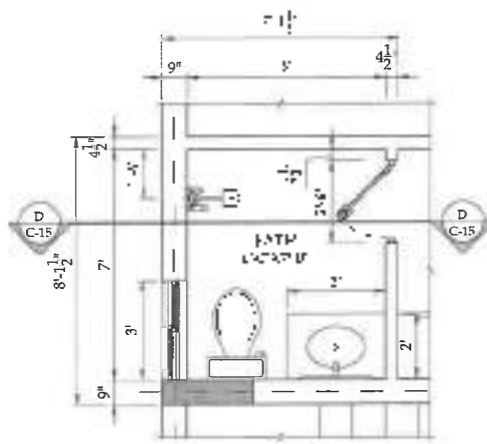
ENGPL-MM-BP-C-14 SHEET 00 REV 00

PROJECT: **RACHELOR HOTEL AT GILL FERIA HANG MANDAL LAHORE**

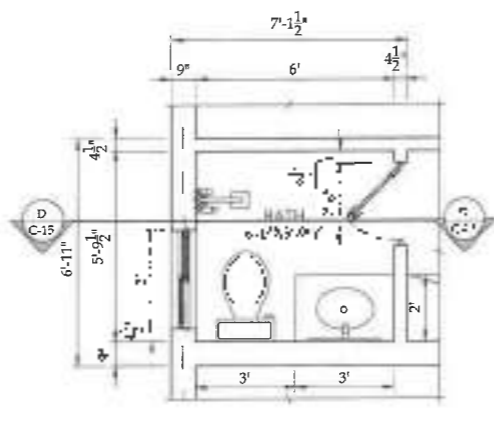
CLIENT:

CONSULTANT:

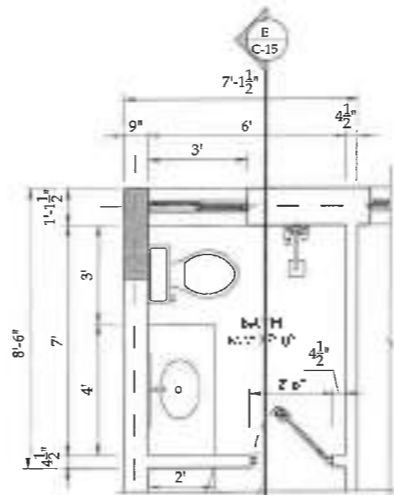
ENGPL-MM-BP-C-14



BATH-01
SCALE: 1/4" = 1'-0"



BATH-02
SCALE: 1/4" = 1'-0"



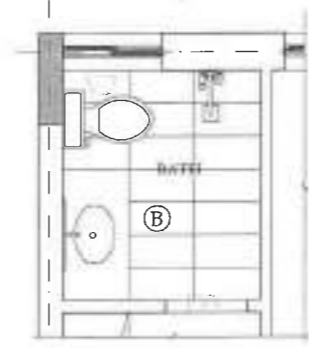
BATH-03
SCALE: 1/4" = 1'-0"



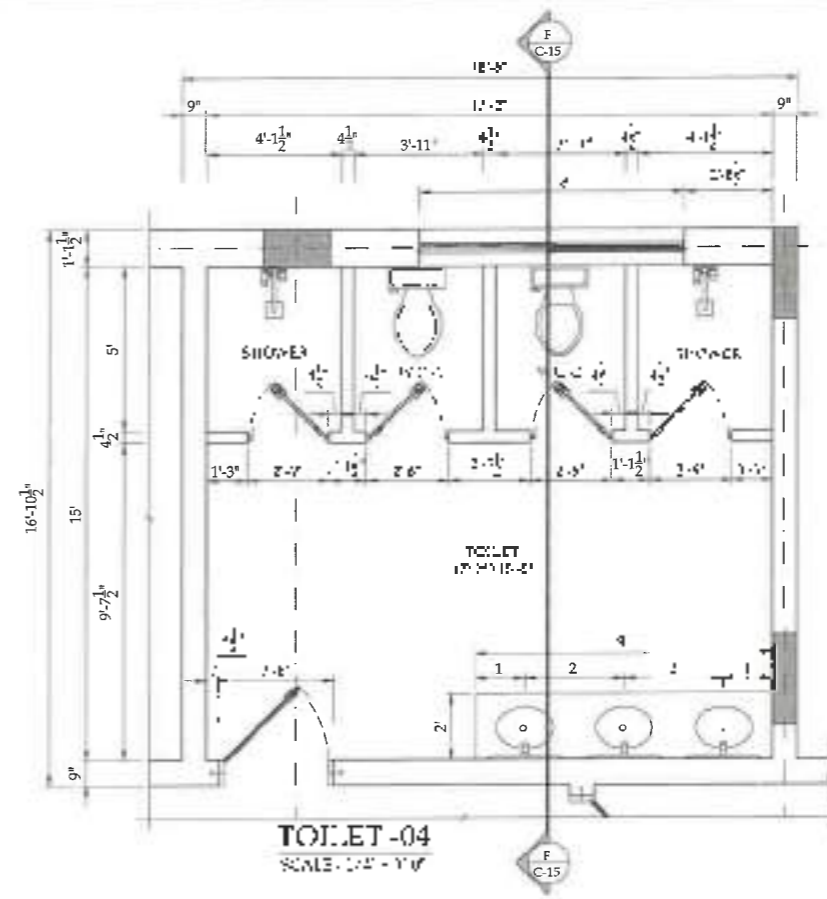
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SCALE: 1/4" = 1'-0"



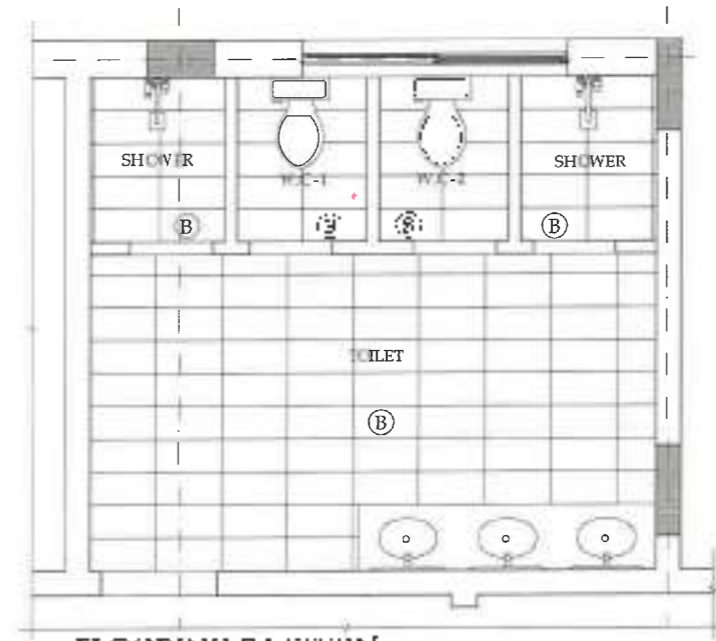
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SCALE: 1/4" = 1'-0"



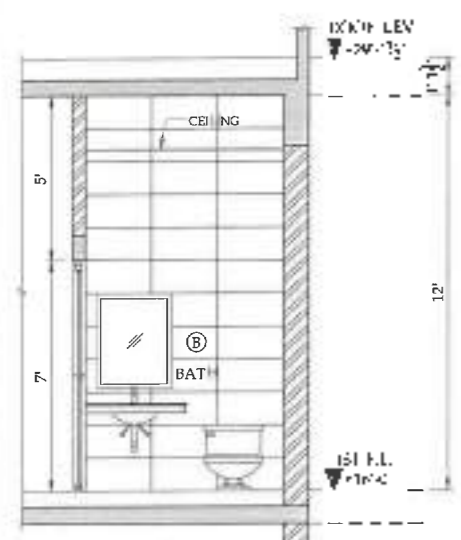
FLOORING PATTERN BATH-03
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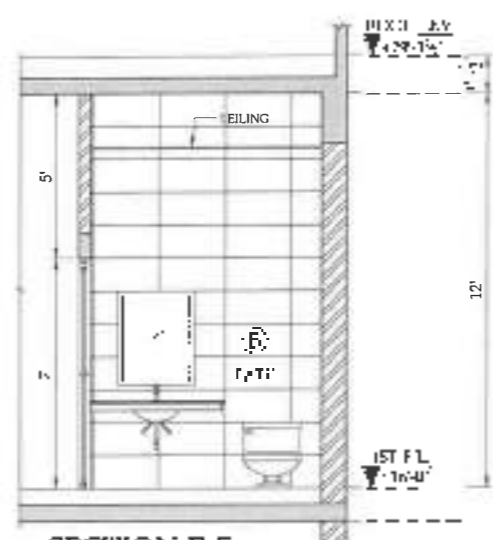
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SCALE: 1/4" = 1'-0"



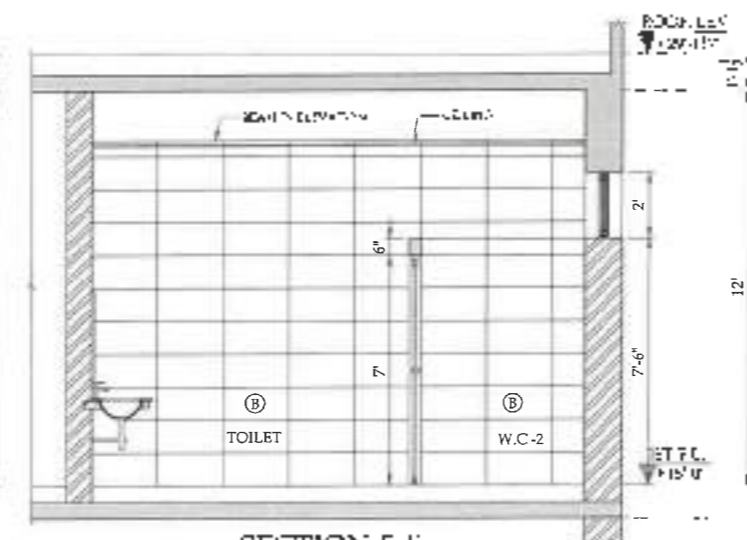
FLOORING PATTERN TOILET-04
SCALE: 1/4" = 1'-0"



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

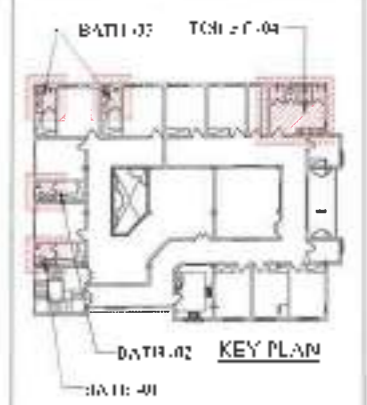


SECTION E-E
SCALE: 1/4" = 1'-0"



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

FLOORING LEGEND
B=24"X12" MATT FINISH PORCELAIN TILE



KEY PLAN

SNGLP
BATH & TOILET DETAILS

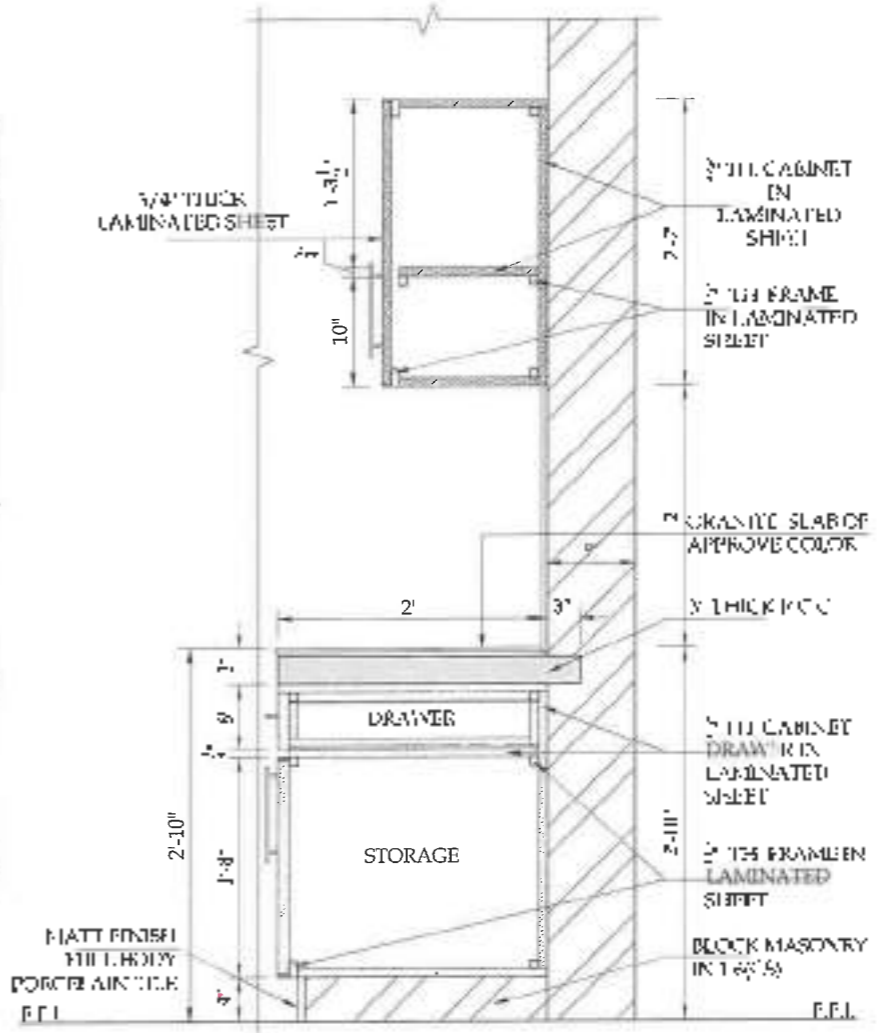
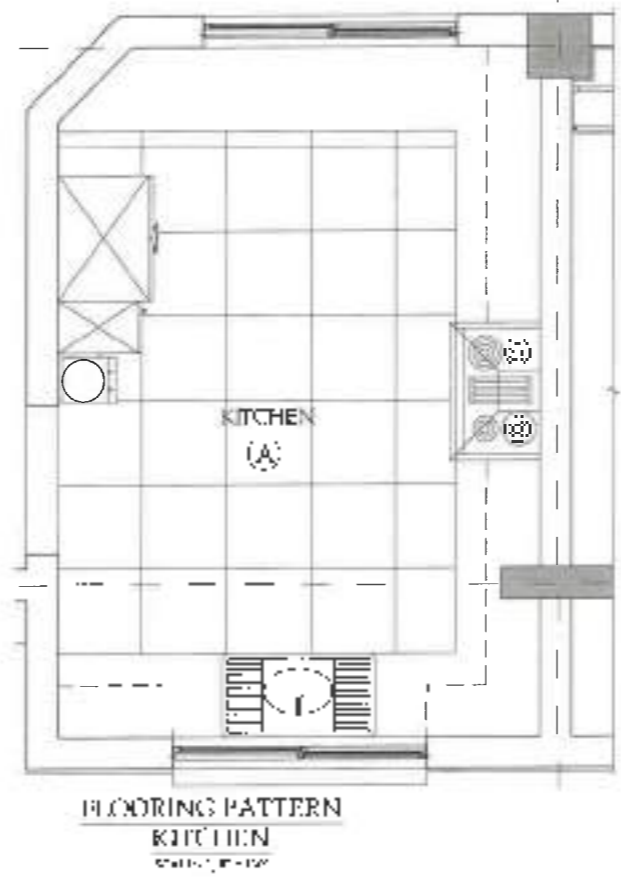
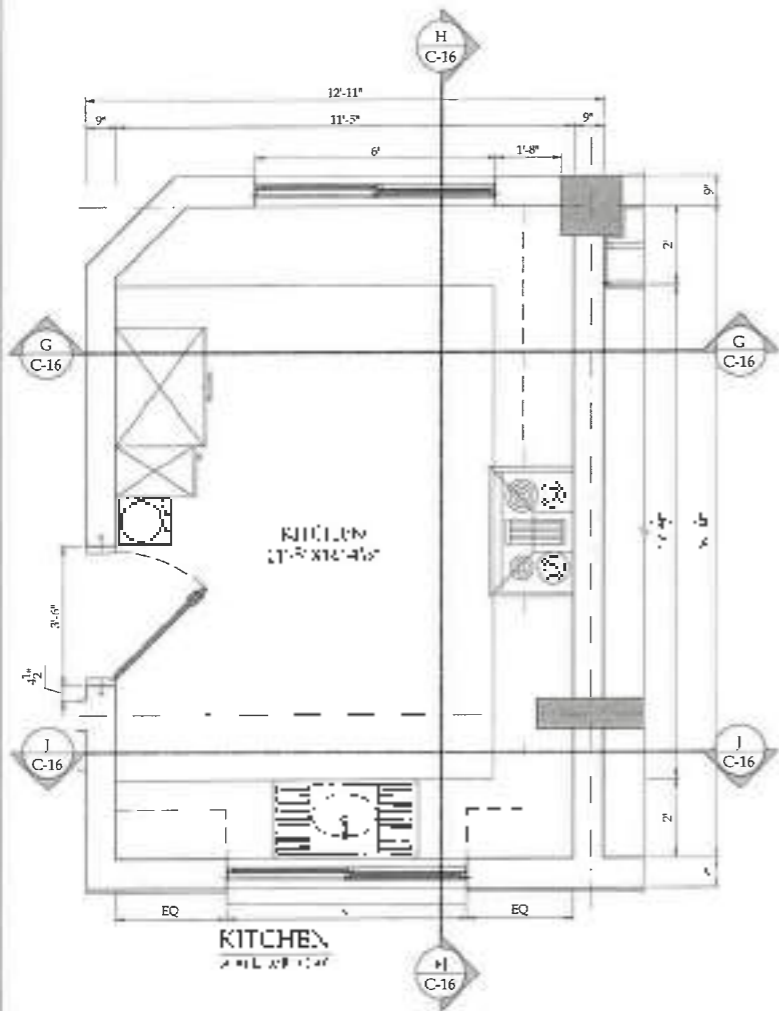
NO.	DATE	BY	CHKD	APP'D
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DRAWING NO: **SNGLP-MM-BP-C-15** SHEET: 01 OF 01 REV: 00

CLIENT: **BAGI-CORPORATE AT BILTRAKS MANISA LAMCIE**

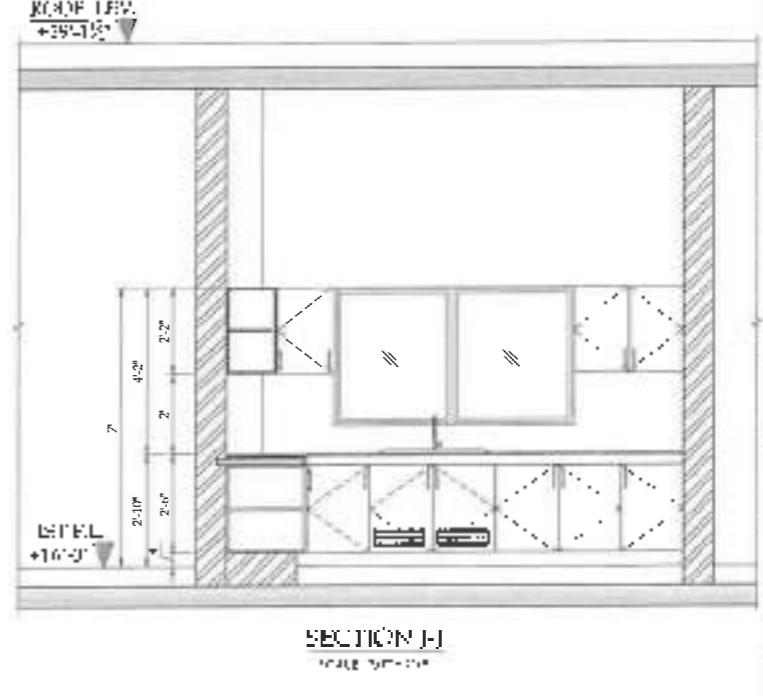
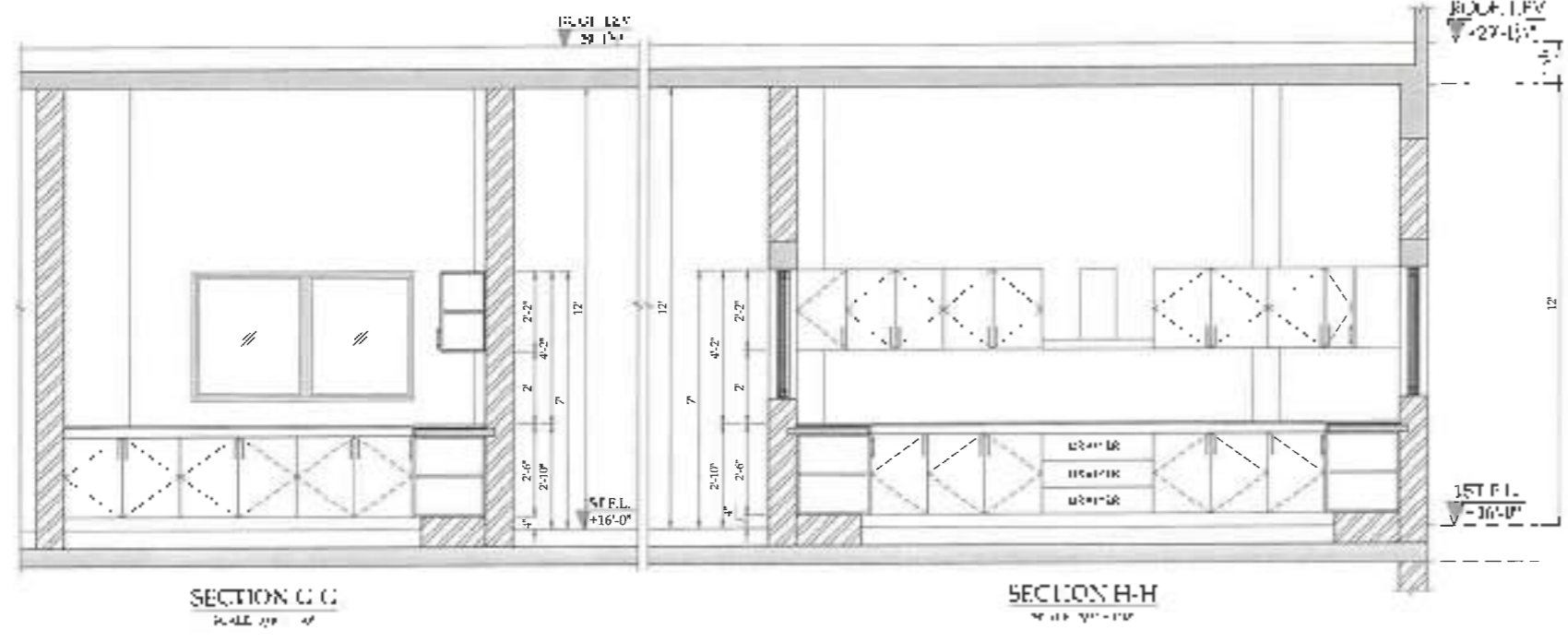
ENGINEERING FIRM

SNGLP-MM-BP-C-15



FLOORING LEGEND
 B-24"x24" MATT FINISH PORCELAIN TILES

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



SNGLP
 KITCHEN DETAILS

NO.	REV.	DATE	BY	CHKD.
01				
02				
03				
04				
05				
06				

SNGLP-MM-BP-C-16

PROJECT: SAL-BLDG HOSTEL AT REI PRINTING MANUFACTURE JAHORE

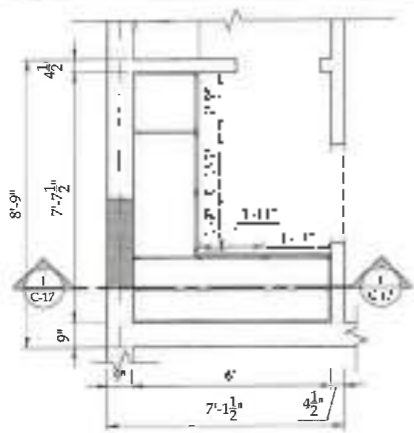
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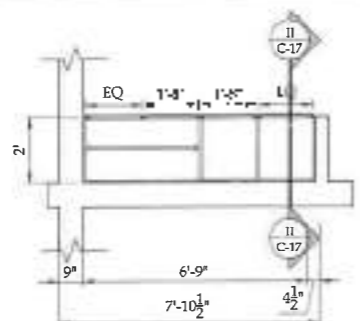
PREPARED BY: [Signature]

APPROVED BY: [Signature]

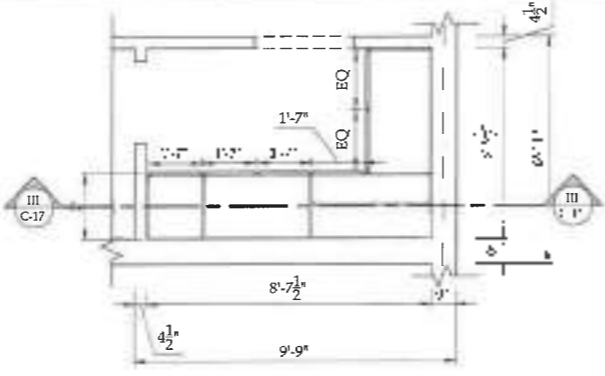
SNGLP-MM-BP-C-16



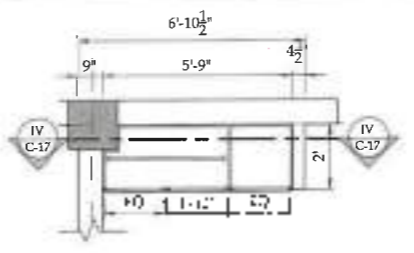
WARDROBE PLAN-I
SCALE: 1/4" = 1'-0"



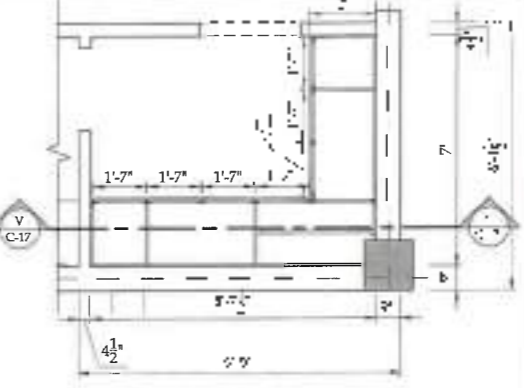
WARDROBE PLAN-II
SCALE: 1/4" = 1'-0"



WARDROBE PLAN-III
SCALE: 1/4" = 1'-0"



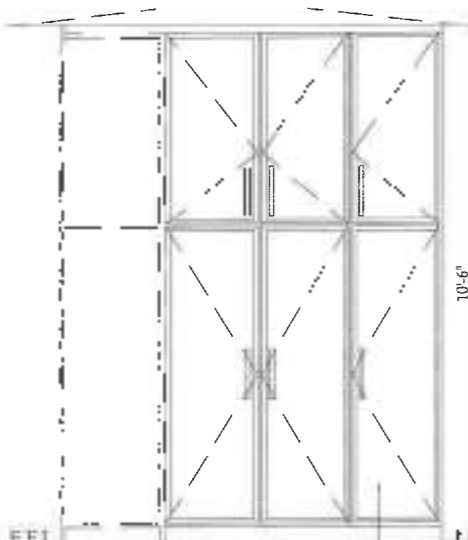
WARDROBE PLAN-IV
SCALE: 1/4" = 1'-0"



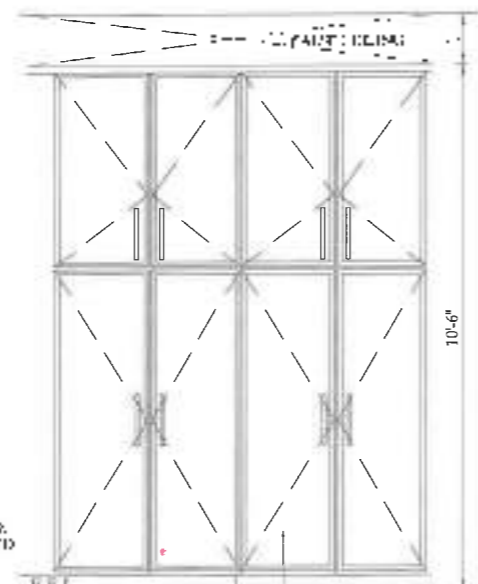
WARDROBE PLAN-V
SCALE: 1/4" = 1'-0"



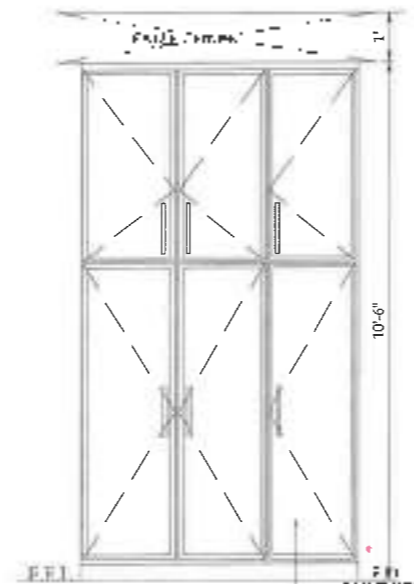
KEY PLAN



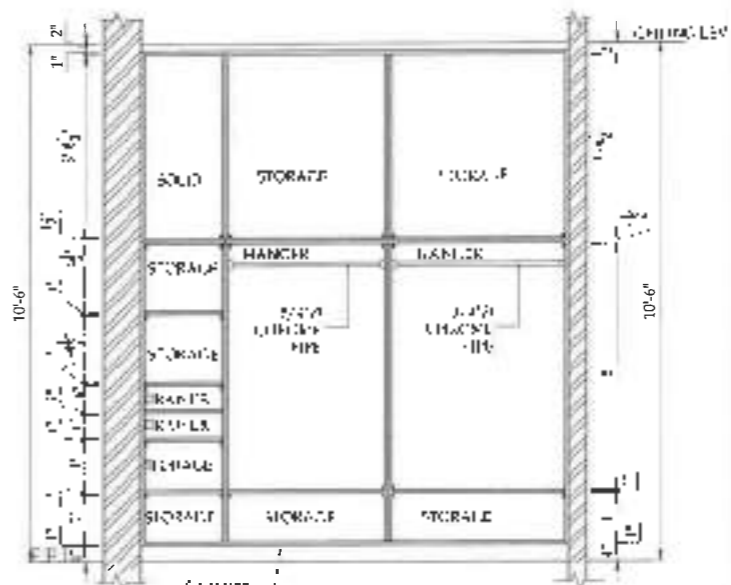
ELEVATION-VI
SCALE: 3/8" = 1'-0"



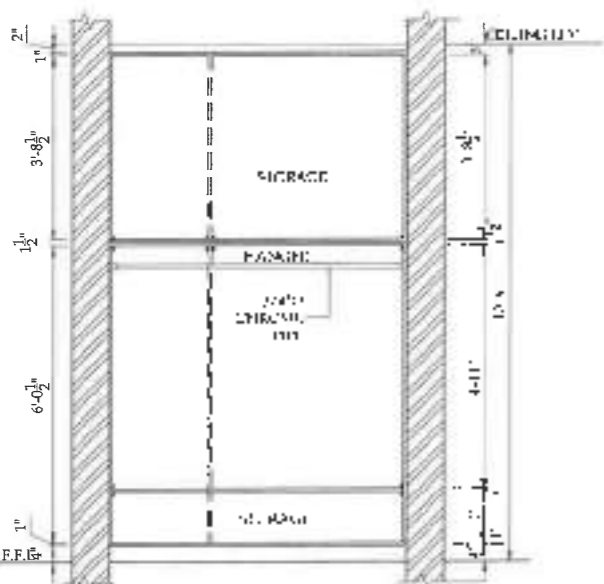
ELEVATION-II
SCALE: 3/8" = 1'-0"



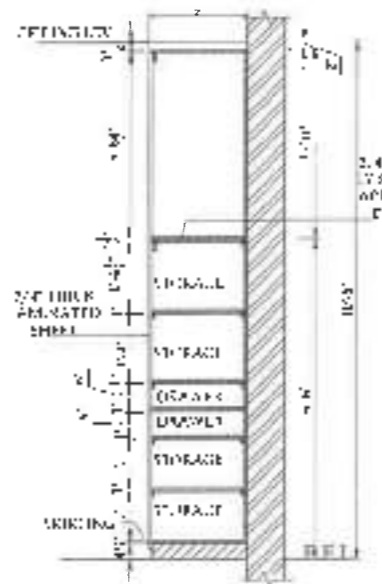
ELEVATION-III
SCALE: 3/8" = 1'-0"



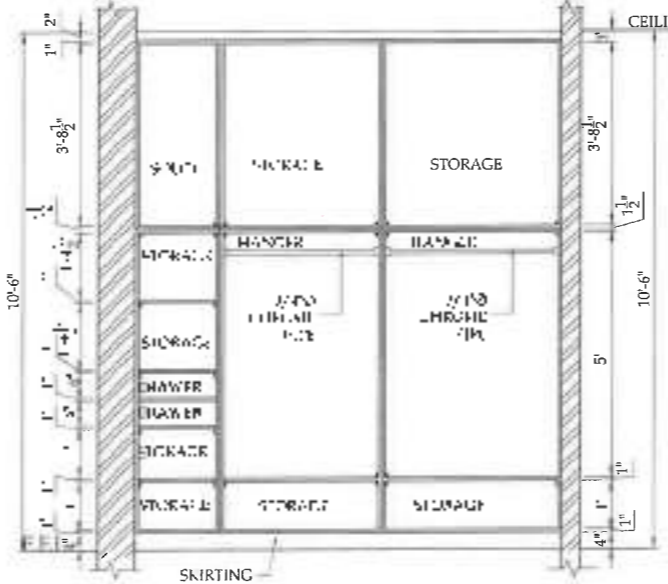
SECTION V-V
SCALE: 3/8" = 1'-0"



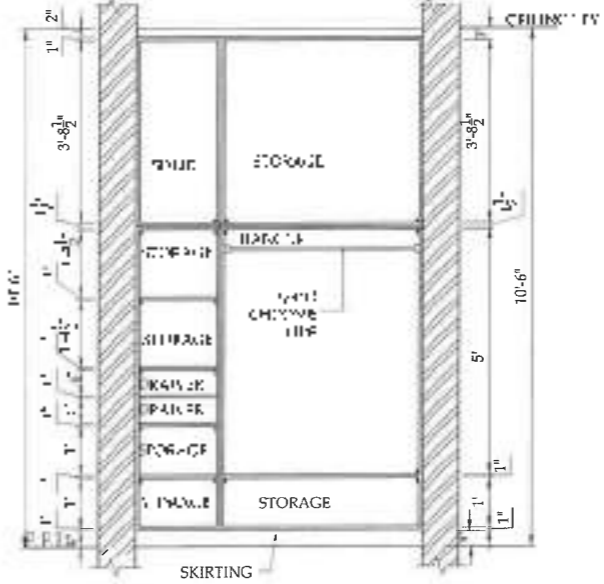
SECTION I-I
SCALE: 3/8" = 1'-0"



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



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



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

SNGL
Title: **WARDROBE DETAILS**

REV	DATE	BY	CHKD	APP'D
01				
02				
03				
04				
05				

DRAWING NO: **SNGL-01-01-01**

PROJECT: **SAC-ELOR HOSTEL AT GILL PRINTING WORKS LAHORE**

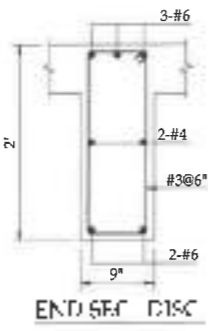
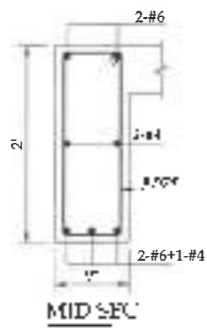
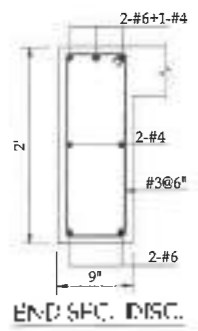
CLIENT:



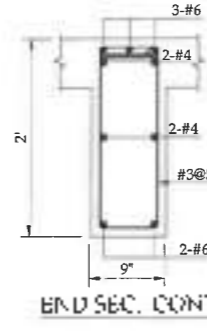
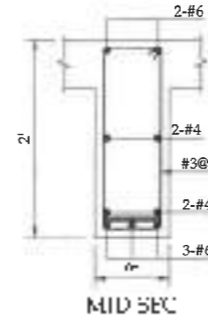
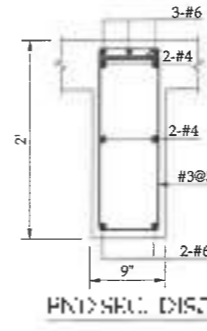
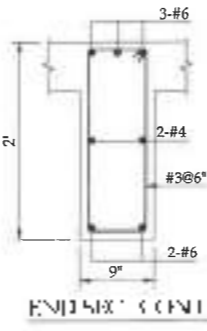
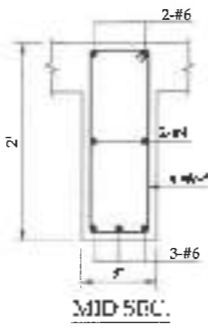
CONSULTANT: **AWAN CONSULTING ENGINEERS**

SNGL-01-01-01

STRUCTURE

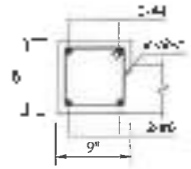
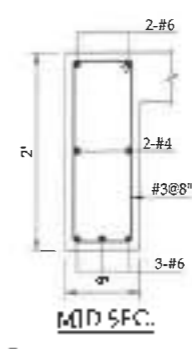
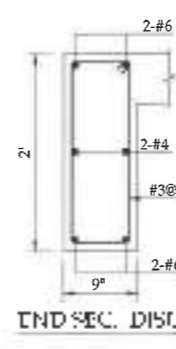
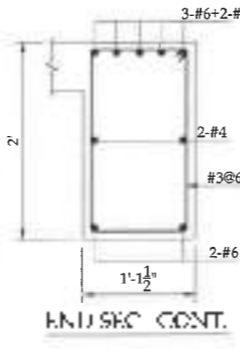
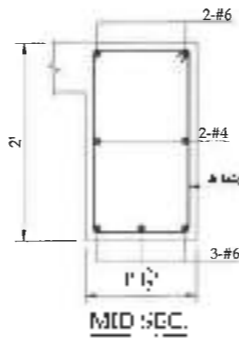
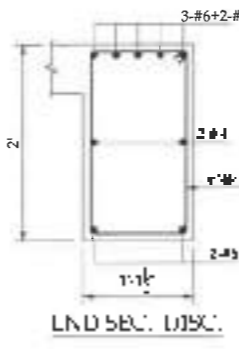
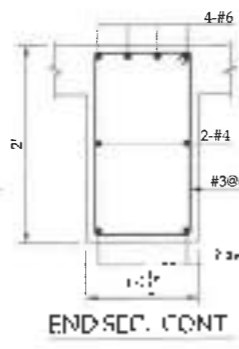
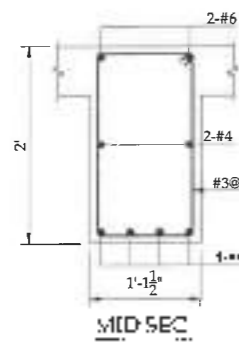
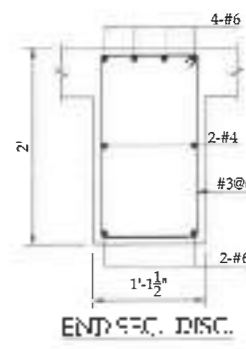


BEAM B-1
SCALE: 3/4" = 1'-0"



BEAM B-2
SCALE: 3/4" = 1'-0"

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

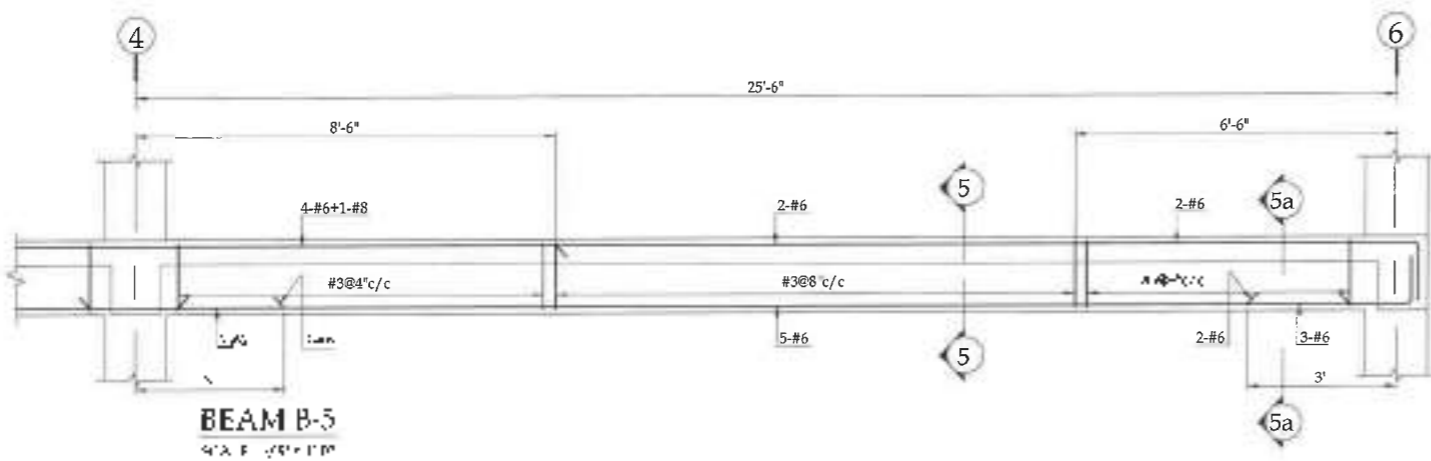


BEAM B-4
SCALE: 3/4" = 1'-0"

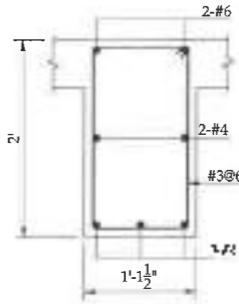
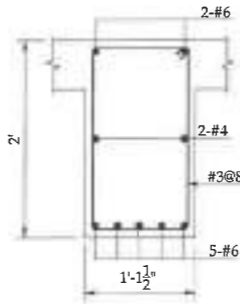
BEAM B-6
SCALE: 3/4" = 1'-0"

BEAM B-7
SCALE: 3/4" = 1'-0"

BEAM CB-1
SCALE: 3/4" = 1'-0"



BEAM B-5
SCALE: 3/4" = 1'-0"



SECTION 5-5
SCALE: 3/4" = 1'-0"

SECTION 5a-5a
SCALE: 3/4" = 1'-0"

SNGLP
TITLE
ROOF SLAB BEAMS ELEVATION & SECTION DETAILS

NO.	DATE	BY	CHECKED	APP. BY	REVISION
01	04/10/2025	ANURAG KUMAR	MAHESH	MAHESH	ISSUED FOR PERMIT
02					
03					
04					
05					
06					

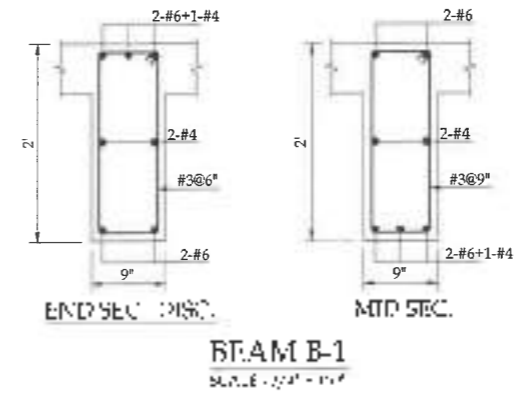
PROJECT: **SNGLP-MM-CP-5-02**

CLIENT: **BAGI C. OF KUSTAL ALI BRT PRINTING WANGA LAHORE**

CONSULTANT: **ASWIN CONSULTING ENGINEERS PVT. LTD.**

SNGLP-MM-CP-5-02

A 15'-9" B 20' C 20' D



MUMMY SLAB
SCALE 1/4"=1'-0"



SNGPL
TITLE
MUMMY SLAB & BEAMS SECTIONAL DETAILS

NO.	DATE	BY	CHECKED	SCALE

DRAWING NO: **SNGPL-MM-OP-3-C3** SHEET 00 REV 00

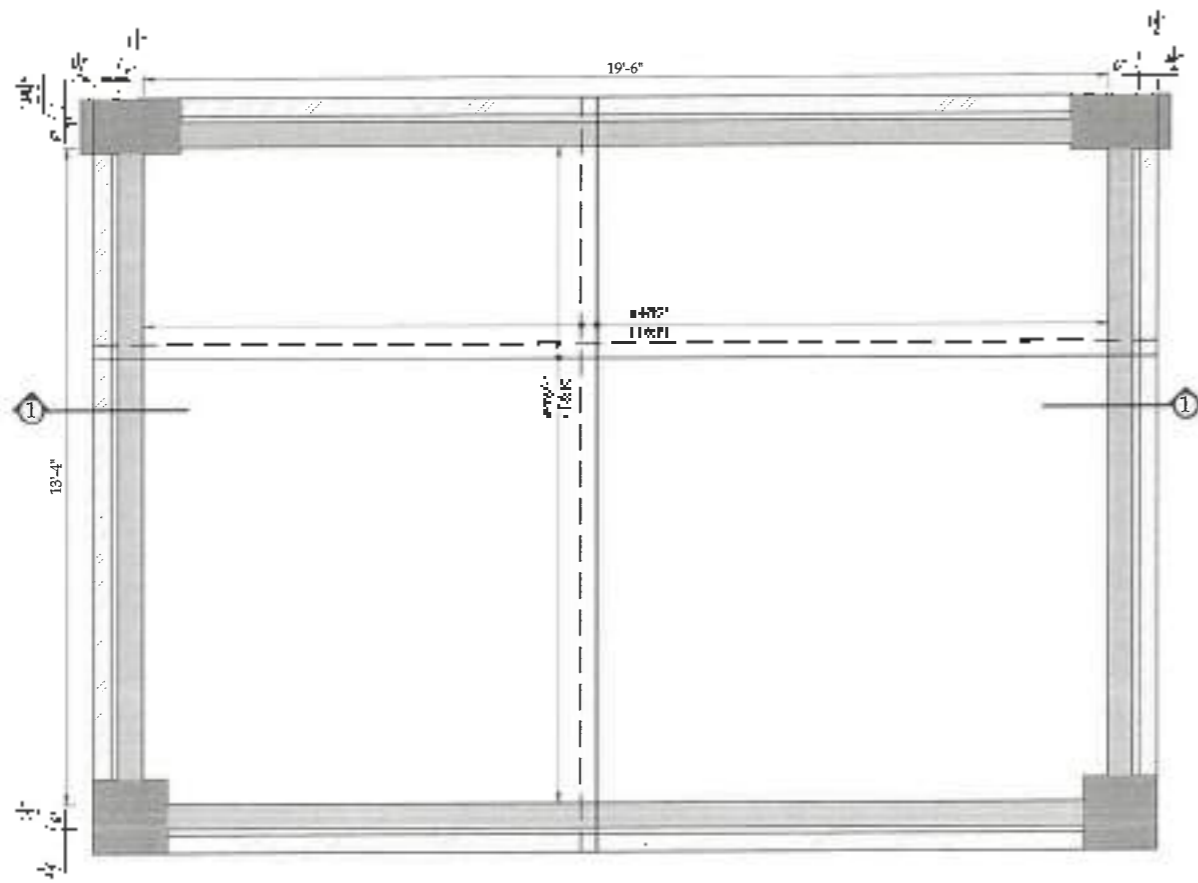
PROJECT: **RAC-FLOOR HOSTEL AT SRI PRITHVI MATHA LAKSHI**

CLIENT:

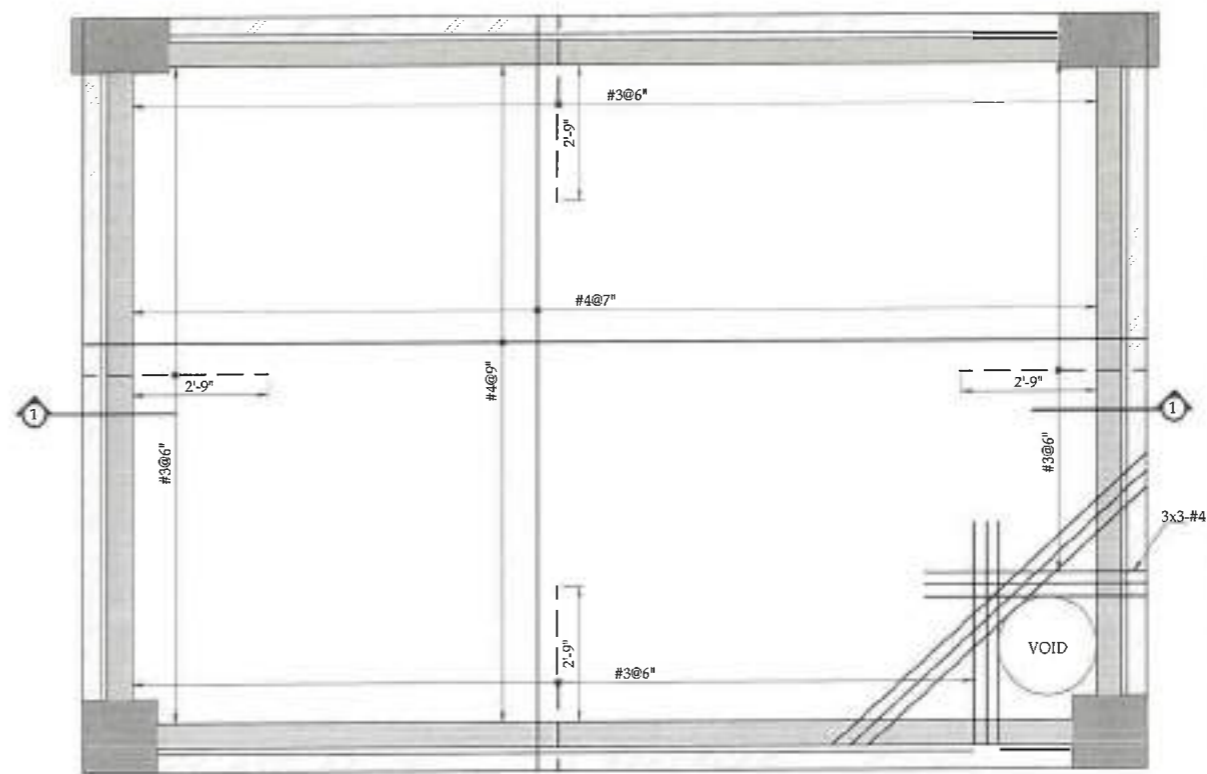
CONSULTANT:

AARAV CONSULTING ENGINEERS
C-14, 1st Floor, Main Road, SRI PRITHVI MATHA LAKSHI
Vijaya Vittala Road, Hampi, Karnataka

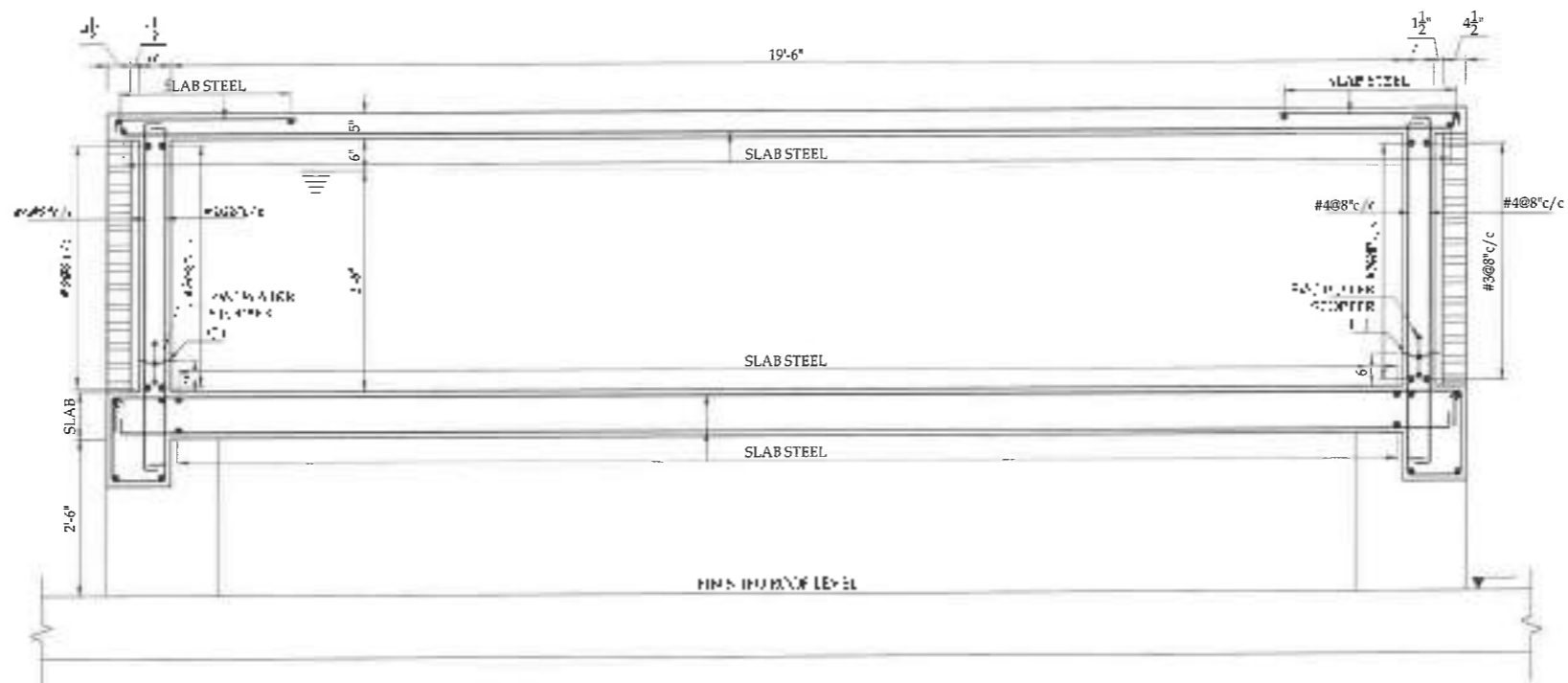
SNGPL-MM-OP-3-C3



O.H.W. TANK
 BASE SLAB = 9" THICK
 SCALE: 1/8" = 1'-0"



O.H.W. TANK
 TOP SLAB = 5" THICK
 SCALE: 1/8" = 1'-0"



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

SNGPL-WM-3P-S-04

SNGPL
 TRC

O.H.W. TANK STRUCTURAL DETAILS

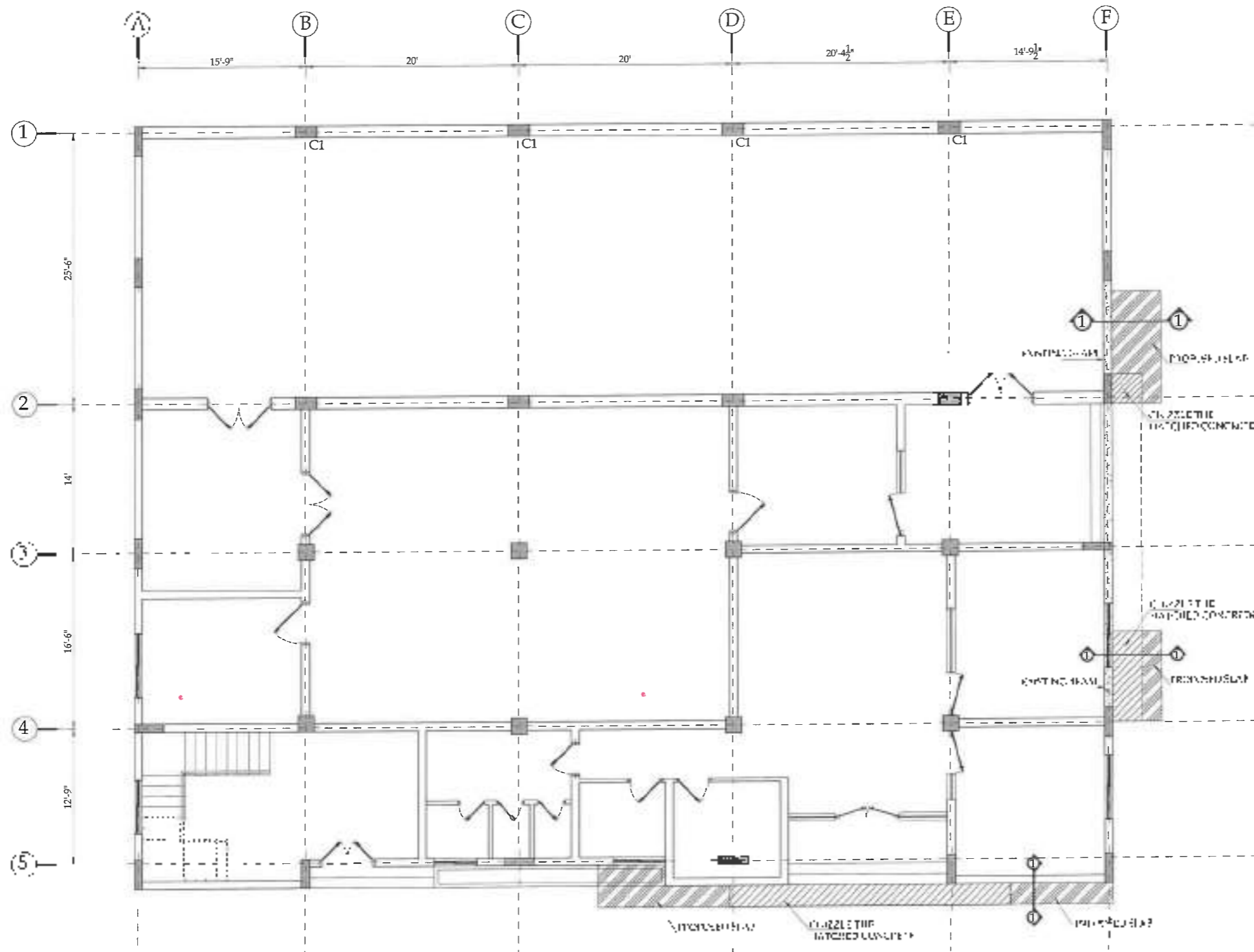
NO.	REVISION	DATE	BY	CHKD.

PROJECT: BACHELOR HOSTEL AT DILLI PRINTING MANGA LAHORE

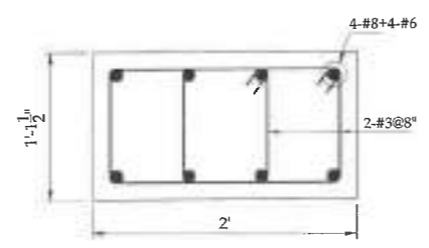
CLIENT:

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

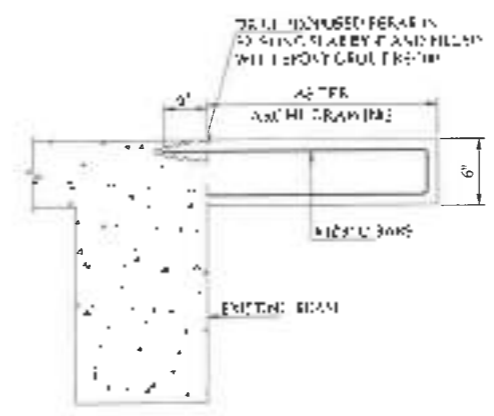
WATER CONSULTING ENGINEERS, PVT. LTD.
 110-112, GANESHA MARG, LAXMI PARK, NEW DELHI - 110028
 TEL: 011-26101111 FAX: 011-26101112



**GROUND FLOOR SLAB
MODIFICATION PLAN**
SCALE: 1/8" = 1'-0"



COLUMN C-1
SCALE: 1/8" = 1'-0"



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

ENGFL
**GROUND FLOOR SLAB
MODIFICATION PLAN &
SECTIONAL DETAILS**

NO.	REV.	DESCRIPTION	DATE	BY	CHECKED
01					
02					
03					
04					
05					

DRAWING NO: **ENGFL-MM-BP-S-05** DATE: 05/20/24 BY: [Signature] CHECKED: [Signature]

PROJECT: **BACHELOR HOSTEL A
BILL PRINTING M/M/CA
LAKHNE**

CLIENT:
 For Further Enquiries Contact Us

COMPANY:
 2020/2021/2022/2023/2024/2025/2026/2027/2028/2029/2030/2031/2032/2033/2034/2035/2036/2037/2038/2039/2040/2041/2042/2043/2044/2045/2046/2047/2048/2049/2050/2051/2052/2053/2054/2055/2056/2057/2058/2059/2060/2061/2062/2063/2064/2065/2066/2067/2068/2069/2070/2071/2072/2073/2074/2075/2076/2077/2078/2079/2080/2081/2082/2083/2084/2085/2086/2087/2088/2089/2090/2091/2092/2093/2094/2095/2096/2097/2098/2099/2100/2101/2102/2103/2104/2105/2106/2107/2108/2109/2110/2111/2112/2113/2114/2115/2116/2117/2118/2119/2120/2121/2122/2123/2124/2125/2126/2127/2128/2129/2130/2131/2132/2133/2134/2135/2136/2137/2138/2139/2140/2141/2142/2143/2144/2145/2146/2147/2148/2149/2150/2151/2152/2153/2154/2155/2156/2157/2158/2159/2160/2161/2162/2163/2164/2165/2166/2167/2168/2169/2170/2171/2172/2173/2174/2175/2176/2177/2178/2179/2180/2181/2182/2183/2184/2185/2186/2187/2188/2189/2190/2191/2192/2193/2194/2195/2196/2197/2198/2199/2200/2201/2202/2203/2204/2205/2206/2207/2208/2209/2210/2211/2212/2213/2214/2215/2216/2217/2218/2219/2220/2221/2222/2223/2224/2225/2226/2227/2228/2229/2230/2231/2232/2233/2234/2235/2236/2237/2238/2239/2240/2241/2242/2243/2244/2245/2246/2247/2248/2249/2250/2251/2252/2253/2254/2255/2256/2257/2258/2259/2260/2261/2262/2263/2264/2265/2266/2267/2268/2269/2270/2271/2272/2273/2274/2275/2276/2277/2278/2279/2280/2281/2282/2283/2284/2285/2286/2287/2288/2289/2290/2291/2292/2293/2294/2295/2296/2297/2298/2299/2300/2301/2302/2303/2304/2305/2306/2307/2308/2309/2310/2311/2312/2313/2314/2315/2316/2317/2318/2319/2320/2321/2322/2323/2324/2325/2326/2327/2328/2329/2330/2331/2332/2333/2334/2335/2336/2337/2338/2339/2340/2341/2342/2343/2344/2345/2346/2347/2348/2349/2350/2351/2352/2353/2354/2355/2356/2357/2358/2359/2360/2361/2362/2363/2364/2365/2366/2367/2368/2369/2370/2371/2372/2373/2374/2375/2376/2377/2378/2379/2380/2381/2382/2383/2384/2385/2386/2387/2388/2389/2390/2391/2392/2393/2394/2395/2396/2397/2398/2399/2400/2401/2402/2403/2404/2405/2406/2407/2408/2409/2410/2411/2412/2413/2414/2415/2416/2417/2418/2419/2420/2421/2422/2423/2424/2425/2426/2427/2428/2429/2430/2431/2432/2433/2434/2435/2436/2437/2438/2439/2440/2441/2442/2443/2444/2445/2446/2447/2448/2449/2450/2451/2452/2453/2454/2455/2456/2457/2458/2459/2460/2461/2462/2463/2464/2465/2466/2467/2468/2469/2470/2471/2472/2473/2474/2475/2476/2477/2478/2479/2480/2481/2482/2483/2484/2485/2486/2487/2488/2489/2490/2491/2492/2493/2494/2495/2496/2497/2498/2499/2500/2501/2502/2503/2504/2505/2506/2507/2508/2509/2510/2511/2512/2513/2514/2515/2516/2517/2518/2519/2520/2521/2522/2523/2524/2525/2526/2527/2528/2529/2530/2531/2532/2533/2534/2535/2536/2537/2538/2539/2540/2541/2542/2543/2544/2545/2546/2547/2548/2549/2550/2551/2552/2553/2554/2555/2556/2557/2558/2559/2560/2561/2562/2563/2564/2565/2566/2567/2568/2569/2570/2571/2572/2573/2574/2575/2576/2577/2578/2579/2580/2581/2582/2583/2584/2585/2586/2587/2588/2589/2590/2591/2592/2593/2594/2595/2596/2597/2598/2599/2600/2601/2602/2603/2604/2605/2606/2607/2608/2609/2610/2611/2612/2613/2614/2615/2616/2617/2618/2619/2620/2621/2622/2623/2624/2625/2626/2627/2628/2629/2630/2631/2632/2633/2634/2635/2636/2637/2638/2639/2640/2641/2642/2643/2644/2645/2646/2647/2648/2649/2650/2651/2652/2653/2654/2655/2656/2657/2658/2659/2660/2661/2662/2663/2664/2665/2666/2667/2668/2669/2670/2671/2672/2673/2674/2675/2676/2677/2678/2679/2680/2681/2682/2683/2684/2685/2686/2687/2688/2689/2690/2691/2692/2693/2694/2695/2696/2697/2698/2699/2700/2701/2702/2703/2704/2705/2706/2707/2708/2709/2710/2711/2712/2713/2714/2715/2716/2717/2718/2719/2720/2721/2722/2723/2724/2725/2726/2727/2728/2729/2730/2731/2732/2733/2734/2735/2736/2737/2738/2739/2740/2741/2742/2743/2744/2745/2746/2747/2748/2749/2750/2751/2752/2753/2754/2755/2756/2757/2758/2759/2760/2761/2762/2763/2764/2765/2766/2767/2768/2769/2770/2771/2772/2773/2774/2775/2776/2777/2778/2779/2780/2781/2782/2783/2784/2785/2786/2787/2788/2789/2790/2791/2792/2793/2794/2795/2796/2797/2798/2799/2800/2801/2802/2803/2804/2805/2806/2807/2808/2809/2810/2811/2812/2813/2814/2815/2816/2817/2818/2819/2820/2821/2822/2823/2824/2825/2826/2827/2828/2829/2830/2831/2832/2833/2834/2835/2836/2837/2838/2839/2840/2841/2842/2843/2844/2845/2846/2847/2848/2849/2850/2851/2852/2853/2854/2855/2856/2857/2858/2859/2860/2861/2862/2863/2864/2865/2866/2867/2868/2869/2870/2871/2872/2873/2874/2875/2876/2877/2878/2879/2880/2881/2882/2883/2884/2885/2886/2887/2888/2889/2890/2891/2892/2893/2894/2895/2896/2897/2898/2899/2900/2901/2902/2903/2904/2905/2906/2907/2908/2909/2910/2911/2912/2913/2914/2915/2916/2917/2918/2919/2920/2921/2922/2923/2924/2925/2926/2927/2928/2929/2930/2931/2932/2933/2934/2935/2936/2937/2938/2939/2940/2941/2942/2943/2944/2945/2946/2947/2948/2949/2950/2951/2952/2953/2954/2955/2956/2957/2958/2959/2960/2961/2962/2963/2964/2965/2966/2967/2968/2969/2970/2971/2972/2973/2974/2975/2976/2977/2978/2979/2980/2981/2982/2983/2984/2985/2986/2987/2988/2989/2990/2991/2992/2993/2994/2995/2996/2997/2998/2999/3000

SMQP-MM-BP-S-05

ELECTRICAL

" LIGHTS "					
NO.	SYMBOL	DESCRIPTION	TYPE / DETAIL / SPEC.		
			COLOUR TEMP.	LUMENS	BEAM ANGLE
01		BULKHEAD LIGHT WITH 12WATT LED	3000-6000K	> 100lm/w	> 40° > 50
02		WALL BRACKET LIGHT WITH 12WATT LED	3000-6000K	> 100lm/w	> 50° > 60
03		LED DOWNLIGHT WITH 12WATT	3000-6000K	> 100lm/w	> 40° > 50
04		LED DOWNLIGHT WITH 12WATT	3000-6000K	> 100lm/w	> 50° > 60
05		LED DOWNLIGHT WITH 12WATT	3000-6000K	> 100lm/w	> 40° > 50
06		RECESSED DOWNLIGHT WITH 12WATT	3000-6000K	> 100lm/w	> 50° > 60

" LT SWITCHGEAR "			
NO.	SYMBOL	DESCRIPTION	TYPE
01		10 AMP 1 WAY FLUSH TYPE SWITCH (INSIDE R. BOARD)	CASE TYPE SWITCH
02		10 AMP 2 WAY FLUSH TYPE SWITCH	CASE TYPE SWITCH
03		SWITCH WITH LIGHT BUZZER TYPE	BUZZER TYPE

" FANS "				
NO.	SYMBOL	DESCRIPTION	SIZE	DETAIL
1		CEILING FAN WITH 4 BLADES	1200	90% EFFICIENCY
2		CEILING FAN WITH 4 BLADES	1200	90% EFFICIENCY
3		CEILING FAN WITH 4 BLADES	1200	90% EFFICIENCY
4		CEILING FAN WITH 4 BLADES	1200	90% EFFICIENCY

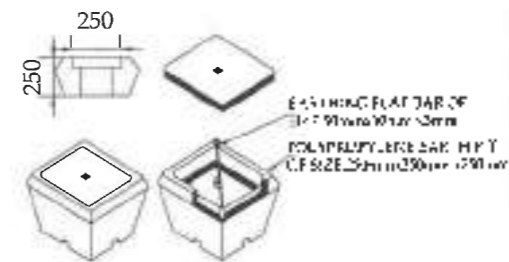
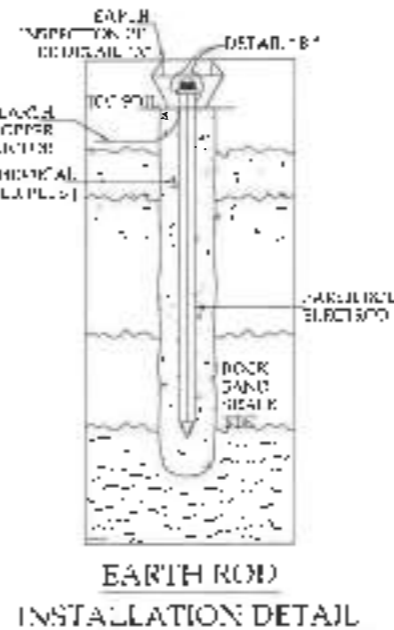
" POWER SYSTEM "			
NO.	SYMBOL	DESCRIPTION	HEIGHT
1		12 AMP POWER SOCKET	150 ABOVE F.F.L
2		20 AMP POWER SOCKET	150 ABOVE F.F.L
3		DISTRIBUTION BOARD WITH 4 CIRCUIT BREAKERS	400 ABOVE F.F.L
4		MAIN DISTRIBUTION BOARD	-----
5		MAIN SWITCH	-----
6		EARTHING POINT	AS PER DETAIL

FIRE ALARM SYSTEM			
NO.	SYMBOL	DESCRIPTION	HEIGHT
1		SMOKE DETECTOR	CEILING MOUNTING
2		HEAT DETECTOR	-----
3		MANUAL ALARM WITH CALL BELL	400 ABOVE F.F.L
4		CONTROL PANEL	400 ABOVE F.F.L
5		ALARM BELL	400 ABOVE F.F.L

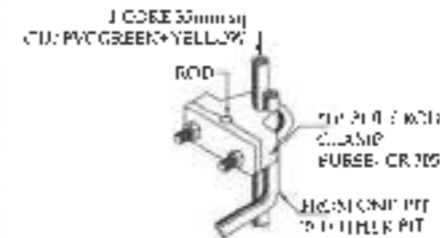
" CCTV SYSTEM "				
NO.	SYMBOL	DESCRIPTION	HEIGHT	TYPE
1		BULLET CAMERA	WALL MOUNTING	OUTDOOR
2		DOME CAMERA	CEILING MOUNTING	INDOOR
3		VANDAL PROOF CAMERA	WALL MOUNTING	INDOOR
4		NETWORK VIDEO RECORDER	WALL MOUNTING	INDOOR

" TELEPHONE & DATA "			
NO.	SYMBOL	DESCRIPTION	HEIGHT
01		TELEPHONE OUTLET	400 ABOVE F.F.L
02		DATA OUTLET	400 ABOVE F.F.L
03		DATA OUTLET	-----
04		DATA OUTLET	-----

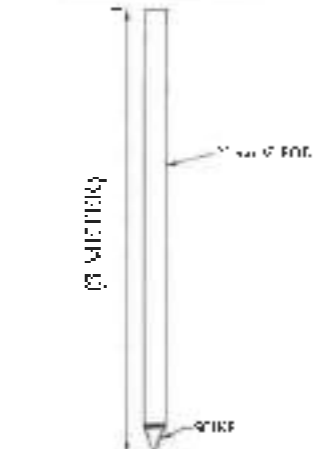
- 01 - ELECTRICAL WORKS
ALL ELECTRICAL WORKS PERFORMED BY THE CONTRACTOR SHALL BE STRICTLY CONFORMED TO THE CODES AND STANDARDS.
- 02 - ELECTRICAL CONSULTANT
THE ELECTRICAL CONSULTANT SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE ELECTRICAL SYSTEM.
- 03 - ELECTRICAL CONDUITING
ALL WIRING SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN WALLS OR CEILING. CONCEALED WIRING SHALL BE PROTECTED BY COVER CAPS OR PROTECTIVE DEVICES.
- 04 - ELECTRICAL WIRING
THE WIRING SHALL BE PERFORMED AS PER DETAIL. THE WIRING SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN WALLS OR CEILING. CONCEALED WIRING SHALL BE PROTECTED BY COVER CAPS OR PROTECTIVE DEVICES.
- 05 - PVC CONDUITS
ALL PVC CONDUITS SHALL BE OF THE TYPE AS PER DETAIL. THE WIRING SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN WALLS OR CEILING. CONCEALED WIRING SHALL BE PROTECTED BY COVER CAPS OR PROTECTIVE DEVICES.
- 06 - COLOUR CODING
ALL ELECTRICAL WIRING SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN WALLS OR CEILING. CONCEALED WIRING SHALL BE PROTECTED BY COVER CAPS OR PROTECTIVE DEVICES.
- 07 - EARTHING OF POINTS
ALL EARTHING POINTS SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN WALLS OR CEILING. CONCEALED WIRING SHALL BE PROTECTED BY COVER CAPS OR PROTECTIVE DEVICES.
- 08 - CAPACITY OF CONDUITS
THE NUMBER OF WIRING SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN WALLS OR CEILING. CONCEALED WIRING SHALL BE PROTECTED BY COVER CAPS OR PROTECTIVE DEVICES.
- 09 - OTHER SYSTEMS
ALL OTHER SYSTEMS SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN WALLS OR CEILING. CONCEALED WIRING SHALL BE PROTECTED BY COVER CAPS OR PROTECTIVE DEVICES.



DETAIL "A"
EARTH INSPECTION PIT



DETAIL "B"
"U*" BOND CONNECTION
EARTHING



EARTH ELECTRODE
COPPER ROD

NOTES FOR EARTHING SYSTEM

- 1. EARTH ROD SHALL BE MADE AT 600MM FROM THE FOUNDATION.
- 2. DISTANCE BETWEEN EARTH RODS SHALL NOT BE LESS THAN 1000.
- 3. OTHER CONDUCTOR AT TOP SHALL BE BOLTED WITH THIMBLE BUSHINGS, BOLTS ETC. IN OLD PATTERN.
- 4. POINTS SHALL BE COVERED WITH HEAVY CORRUGATED PLATE.
- 5. CONDUCTOR TO MEASURE PARTIAL RESISTANCE IN THE PRESENCE OF SOLE ENGINEER. NOTE THE INTERFERENCE AND LOG THE RESULT AND SUBMIT TO THE CLIENT FOR REVIEW WITH SUFFICIENT CALIBRATION CERTIFICATE.
- 6. THE EARTHING RESISTANCE VALUE AFTER INSTALLATION SHALL BE LESS THAN ONE OHM.
- 7. ALL MATERIAL OF THE EARTH ROD SHALL BE OF GOOD QUALITY.
- 8. THE EARTH ROD SHALL BE PAINTED WITH RED OXIDE CHROMIUM PIGMENT.

SNGL
SYMBOL LEGEND, GENERAL NOTES & DETAIL OF EARTHING SYSTEM

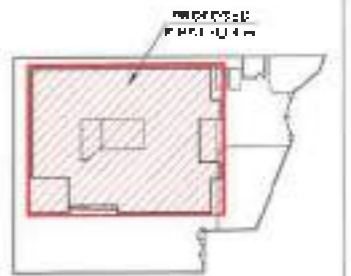
NO.	SYMBOL	DESCRIPTION	HEIGHT
01		12 AMP POWER SOCKET	150 ABOVE F.F.L
02		20 AMP POWER SOCKET	150 ABOVE F.F.L
03		DISTRIBUTION BOARD WITH 4 CIRCUIT BREAKERS	400 ABOVE F.F.L
04		MAIN DISTRIBUTION BOARD	-----
05		MAIN SWITCH	-----
06		EARTHING POINT	AS PER DETAIL

PROJECT: SAC-ELECTRICAL AT RUI PRATINING, MANOR, JAHORE

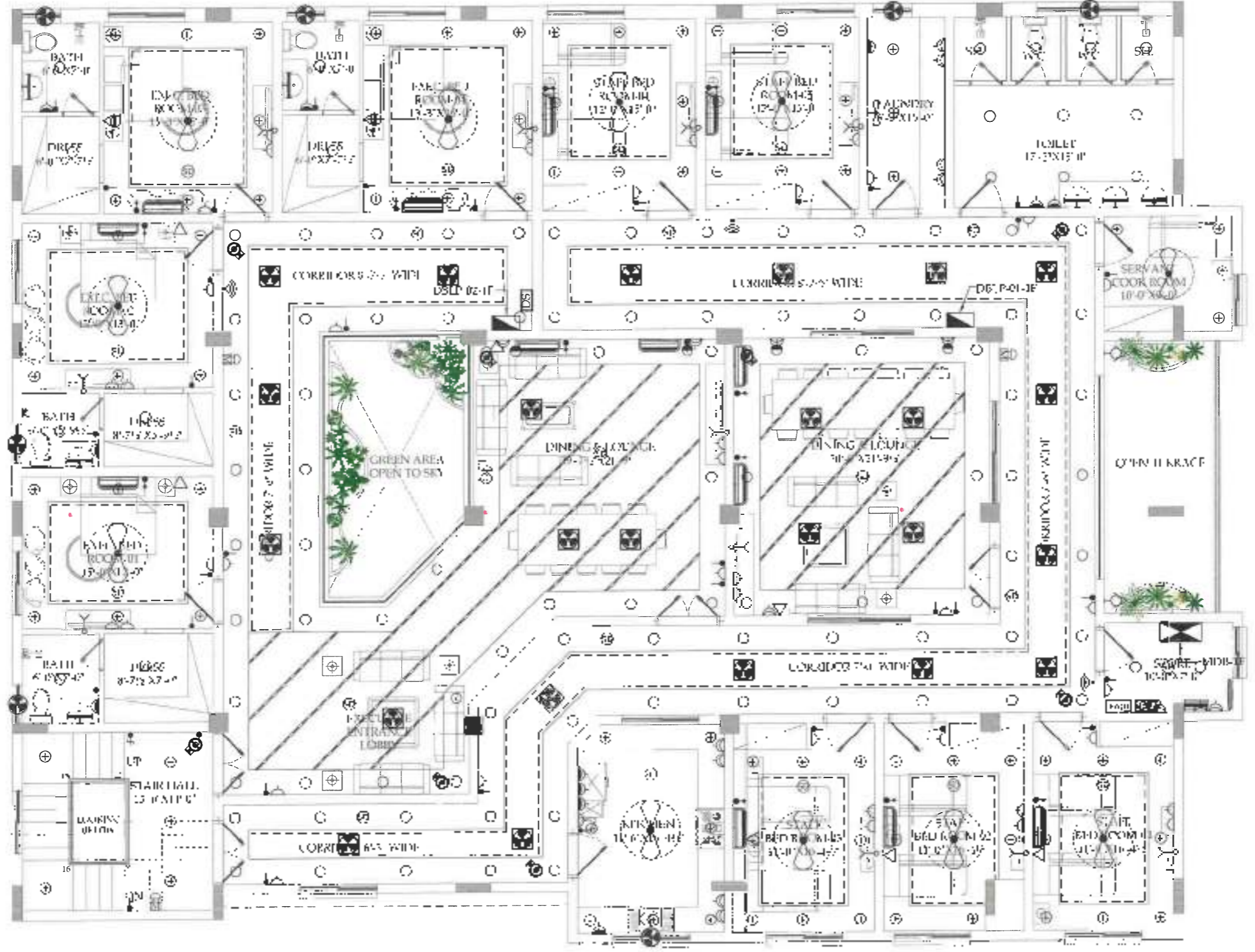
CLIENT:

DESIGNER:

DATE: 2024



KEY PLAN



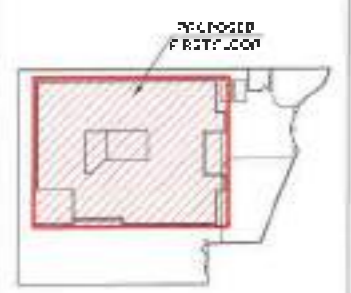
SNCP-AM-SP-03
COORDINATION LAYOUT
FIRST FLOOR PLAN

NO.	REVISION	DATE	BY	CHECKED

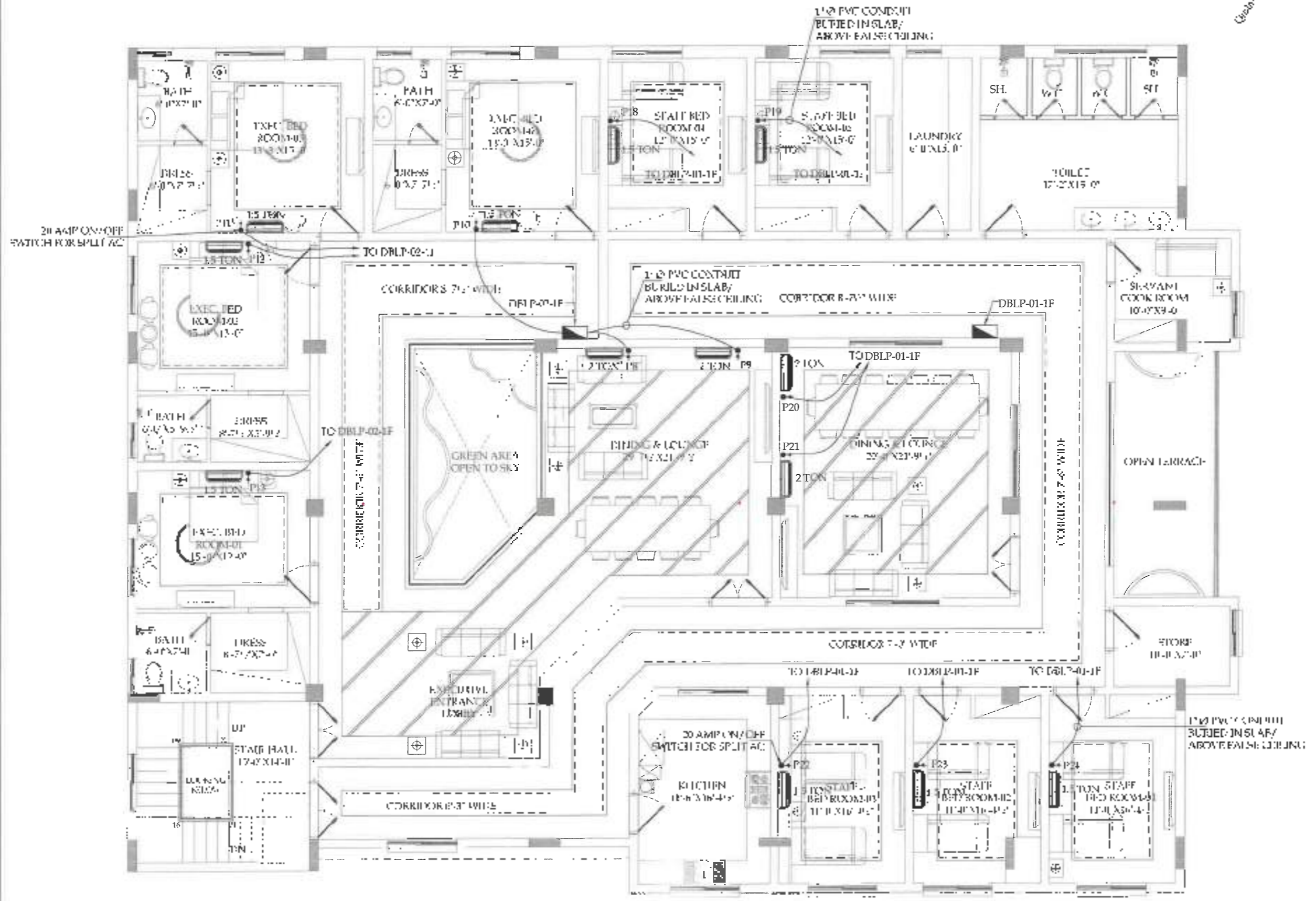
SNCP-AM-SP-03
BACHELOR HOUSE AT
LIT PRINTING MANGA
LAWRE



DESIGN CONSULTING ENGINEERING
11, JALAN SRI MANGA 1/1, LIT PRINTING MANGA
LAWRE, JOHORE BAHRU, JOHORE, MALAYSIA
TEL: 07-4222222



KEY PLAN



SNGPL
 ACTUATION
FIRST FLOOR PLAN

NO.	DATE	REVISION	BY	CHECKED	APPROVED
01	01/01/2025	FINAL DESIGN	...	...	...

SNGPL-KM-BF-E-01
 2-BL1
 20

BACHELOR HOSTEL AT
 BILAPUR INDIA PANKAJ
 LAHORE

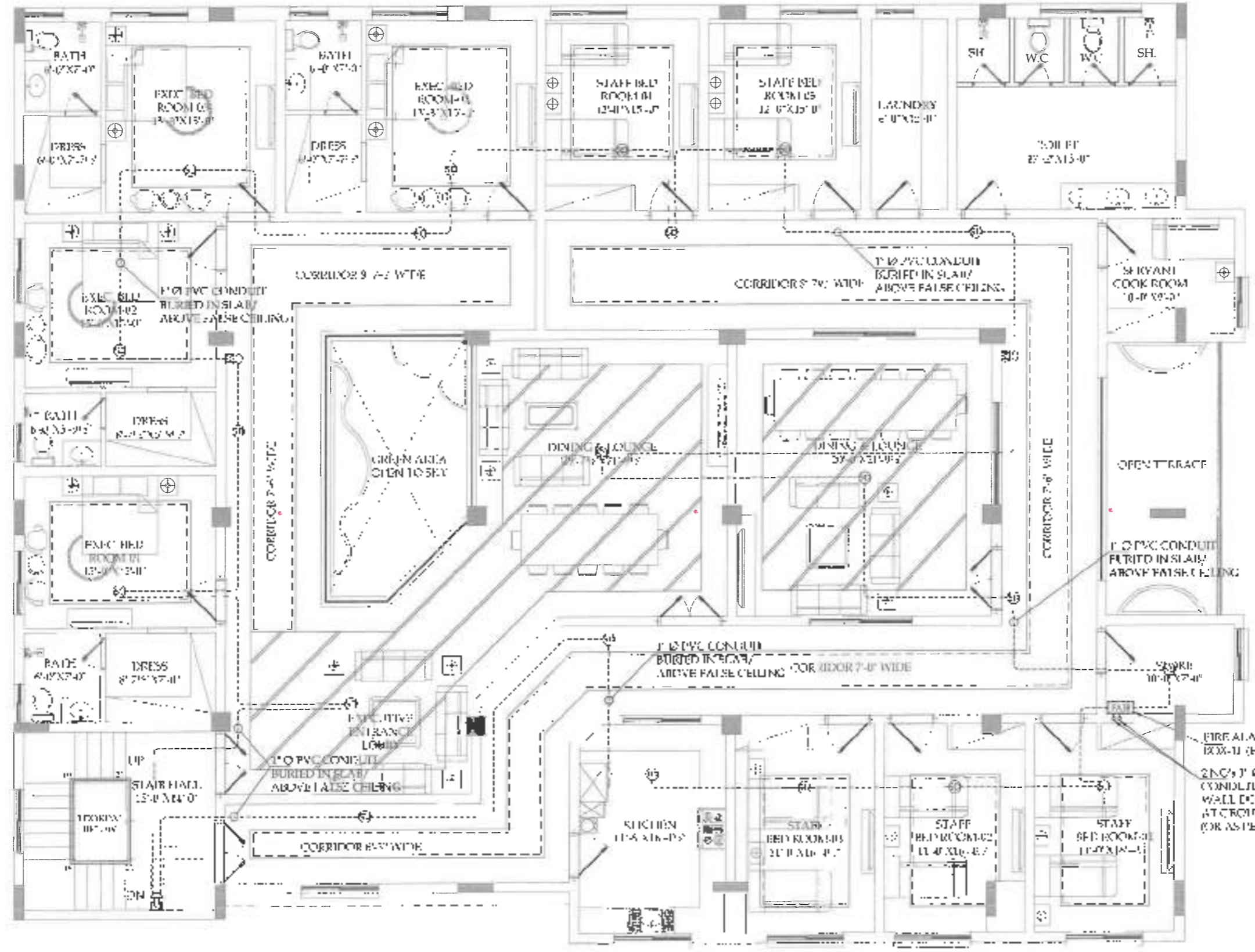
CLIENT:

2025/01/01

SNGPL-KM-BF-E-01



KEY PLAN



ENGPL
R01P
FIRE ALARM SYSTEM
LAYOUT FIRST FLOOR PLAN

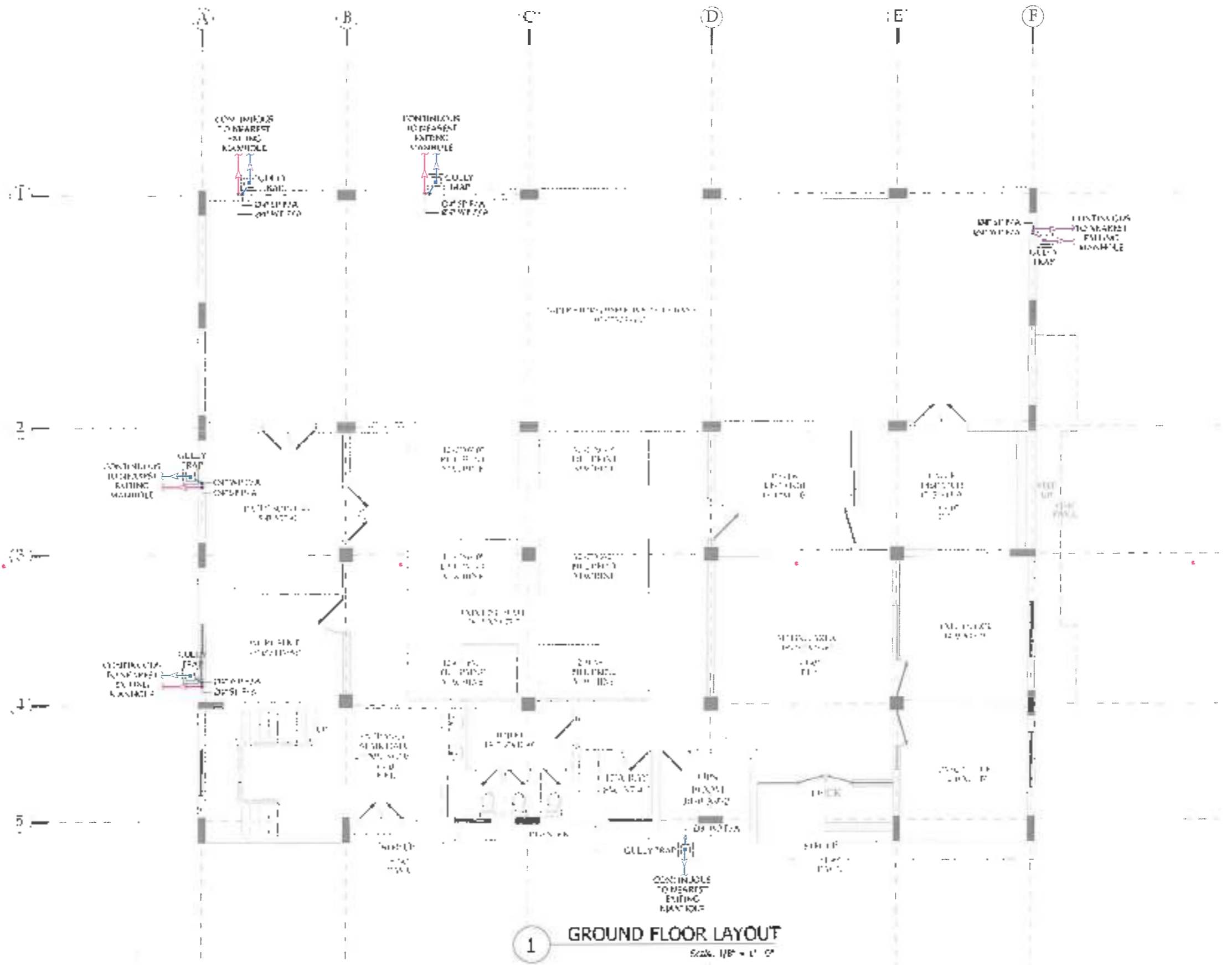
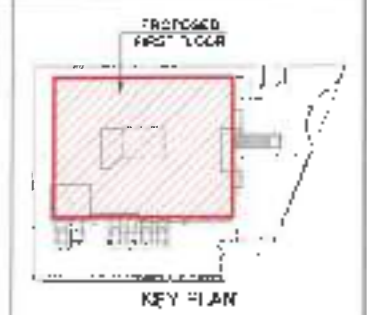
NO.	REV.	DATE	BY	CHKD.	DESCRIPTION
1	A	01/15/2024	ENGPL	CHKD.	ISSUED FOR PERMIT
2	B	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
3	C	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
4	D	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
5	E	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
6	F	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
7	G	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
8	H	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
9	I	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
10	J	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
11	K	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
12	L	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
13	M	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
14	N	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
15	O	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
16	P	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
17	Q	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
18	R	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
19	S	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
20	T	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
21	U	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
22	V	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
23	W	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
24	X	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
25	Y	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS
26	Z	01/15/2024	ENGPL	CHKD.	REVISED PER COMMENTS

PROJECT: BACHELOR HOSTEL AT BH. HANIS KANSA LAHORE



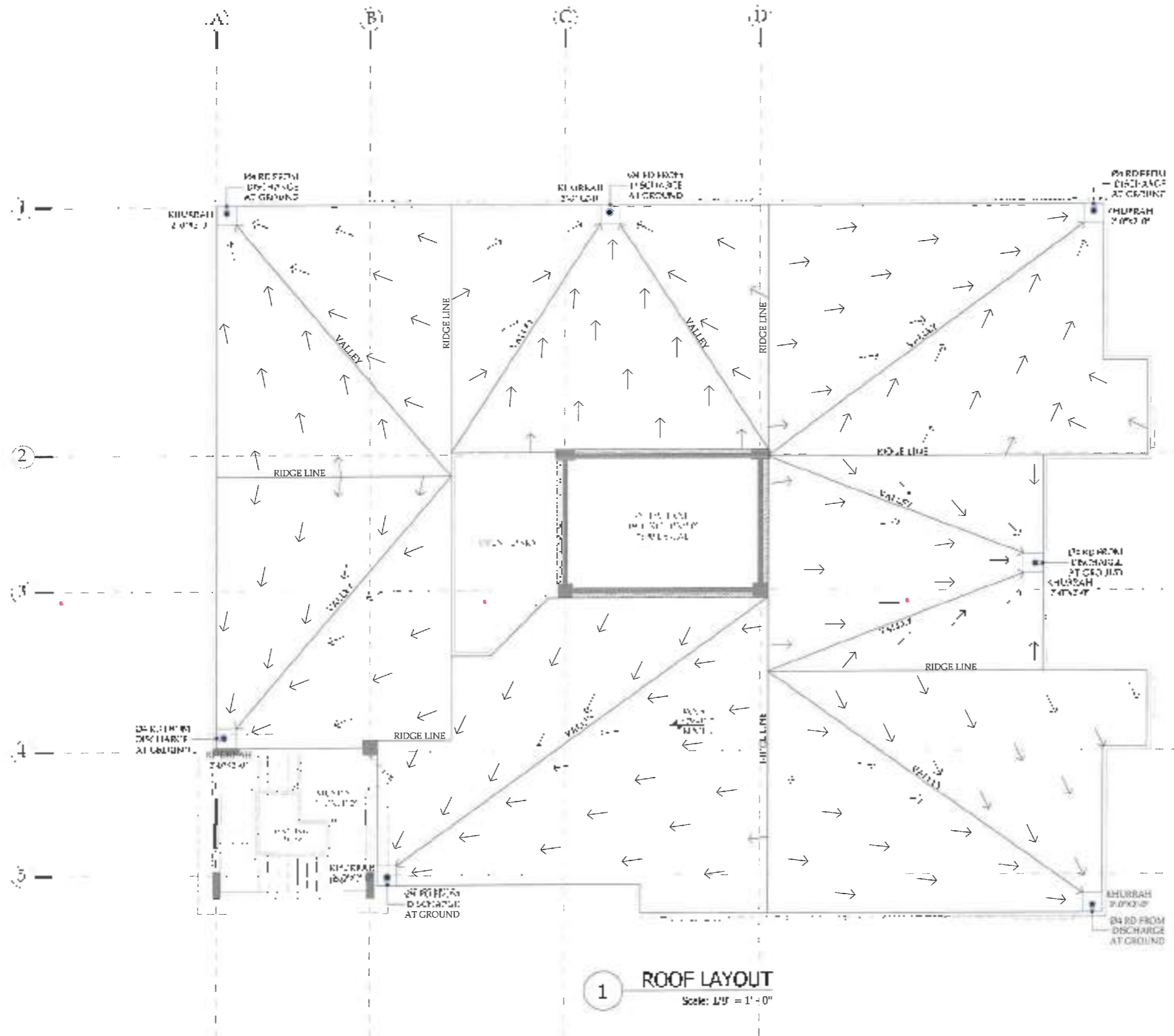
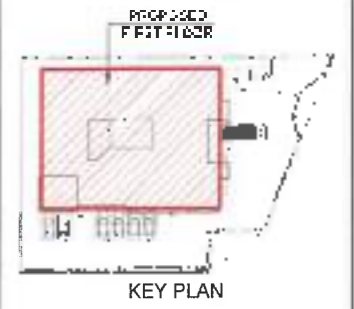
CONSULTANT: **ADAM ENGINEERING & ARCHITECTURE**
 11-B, PHASE 2, DHA PART 2, LAHORE-75280
 TEL: 0300-2652222 FAX: 0300-2652223
 WWW.AE.AZ.COM

PLUMBING



1 GROUND FLOOR LAYOUT
Scale: 1/8" = 1' 0"

SNGPL	
GROUND FLOOR DRAINAGE LAYOUT	
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SNGPL
1/11

ROOF RAIN LAYOUT

NO.	DATE	BY	CHECKED	REVISION
01				
02				
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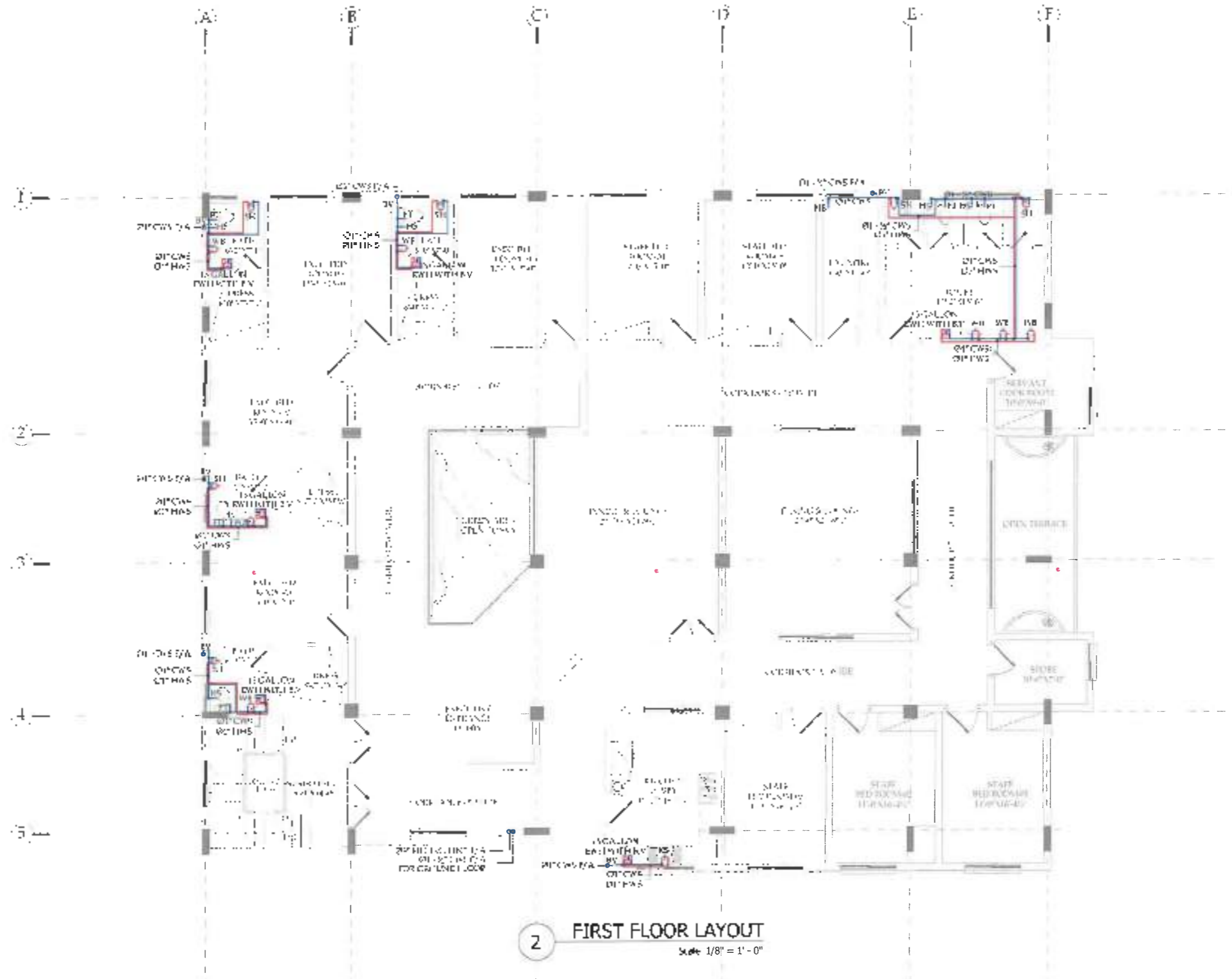
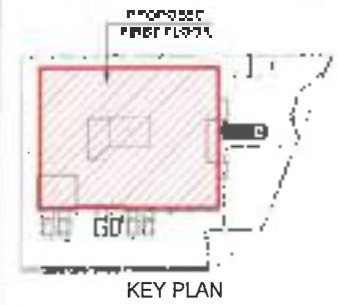
DRAWING NO: **SNGPL-MM-BP-P-04** CITY: **Y** ETD: **00**

PROJECT: **MAJILUR HOSTEL A**
BILL PRINTING MANFA'AT

CLIENT:

CONSULTANT:

SNGPL-MM-BP-P-04



2 FIRST FLOOR LAYOUT
Scale 1/8" = 1'-0"

SNGPL
TITLE
FIRST FLOOR WATER SUPPLY LAYOUT

NO.	DATE	REVISION	BY	CHKD.
1	10-11-2018	ISSUED FOR PERMIT		
2	10-11-2018	REVISED PER COMMENTS		
3				
4				
5				

PROJECT NO: SNGP_MM-RP-P-05

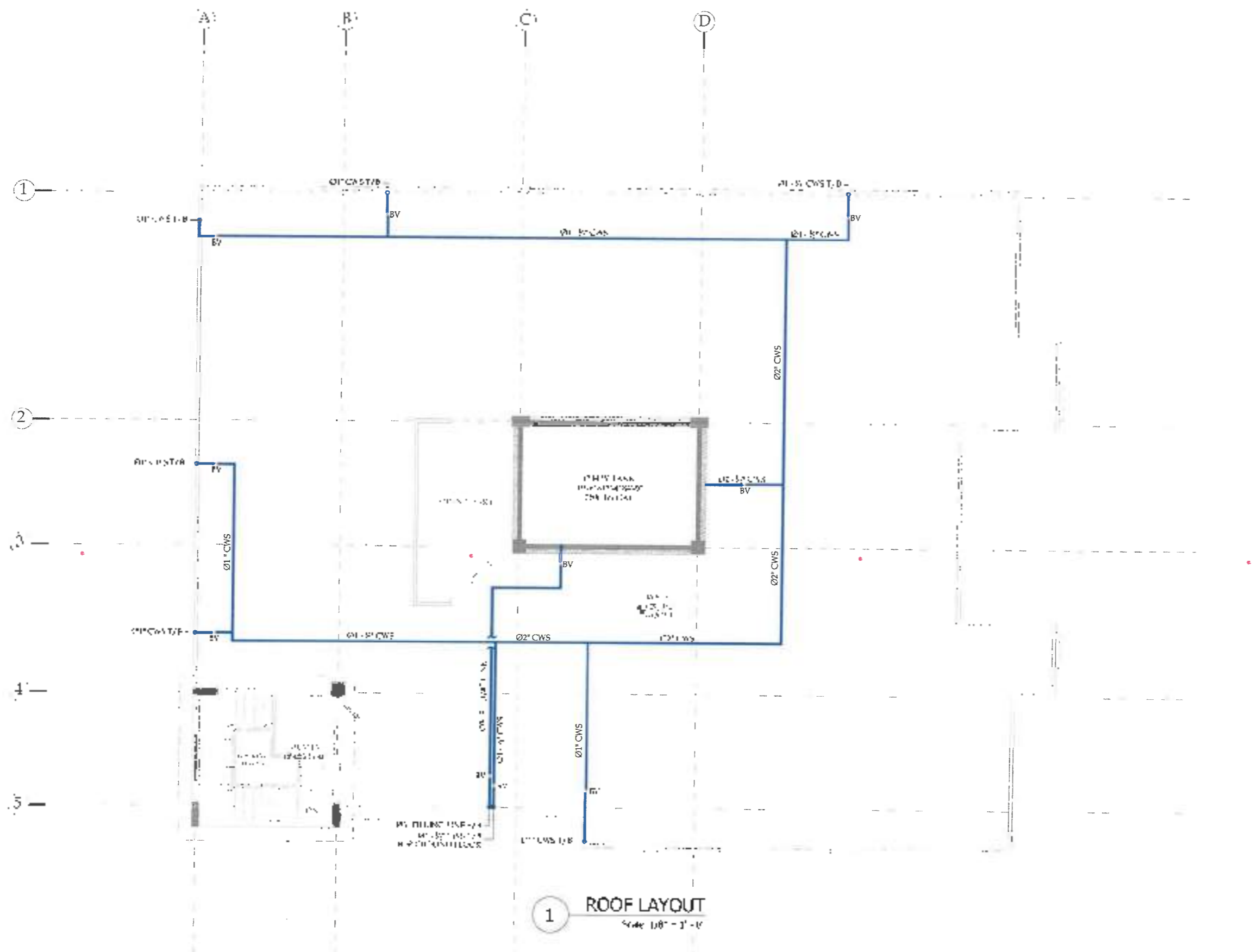
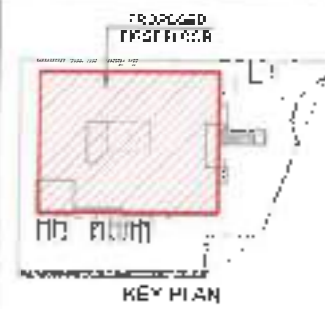
PROJECT: BACHELOR HOSTEL AT DII PRINTING WANKA LAHORE

CLIENT:

DATE: 10/11/2018

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

SNGP_MM-RP-P-05



1 ROOF LAYOUT
Scale 1/8" = 1'-0"

SNGPL
TITLE
ROOF WATER SUPPLY LAYOUT

NO.	DATE	BY	CHKD.
1			
2			
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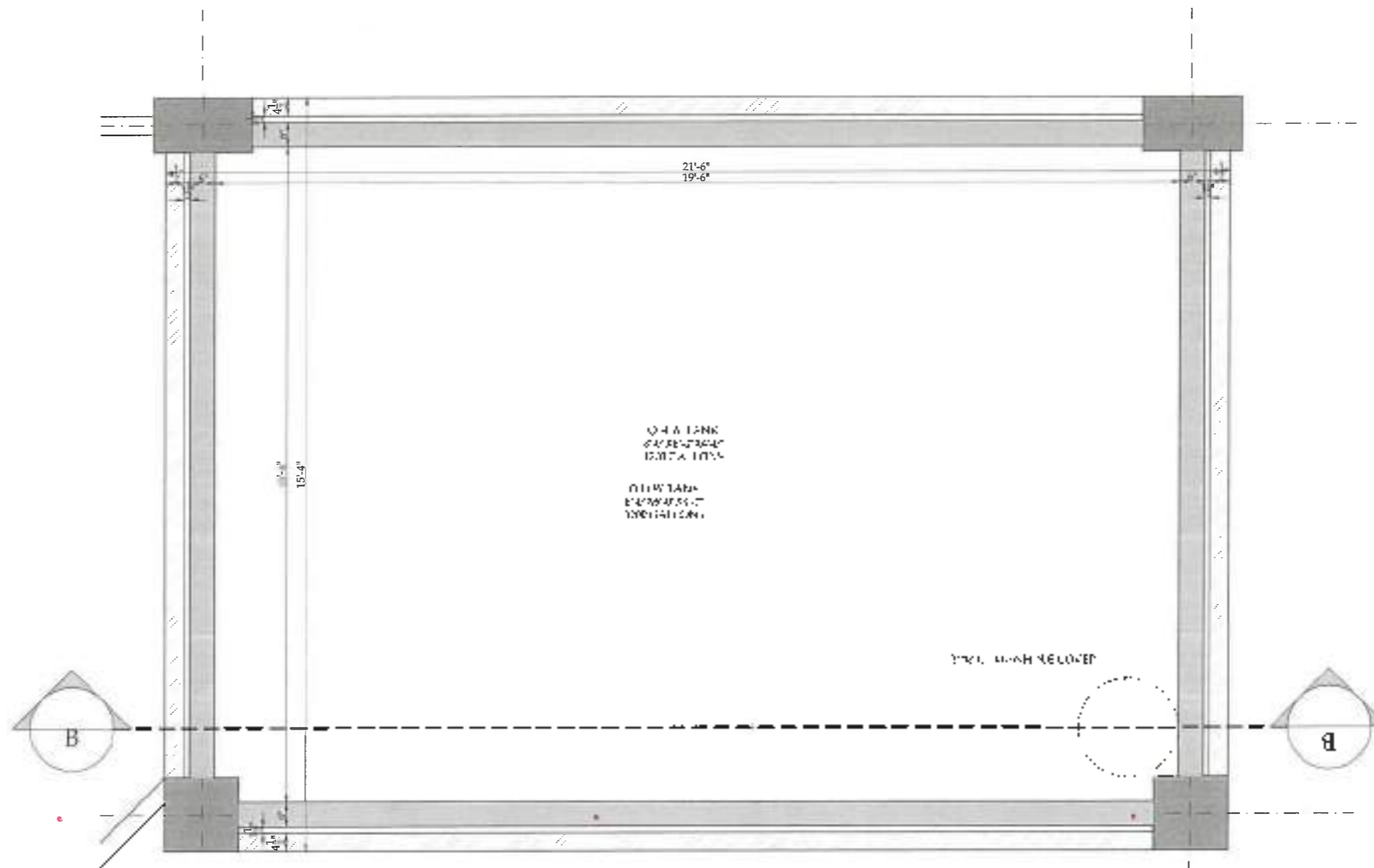
JACOBI & CO. ENGINEERS
SNGPL-MM-6P-P-05 SHEET 1 of 00

PROJECT
BAC-ELOR HOUSING ALL PRINTING MANAGERIAL

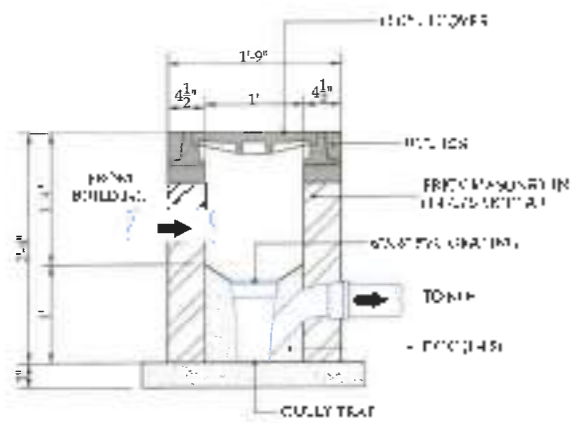
CLIENT:

CONSULTANT:

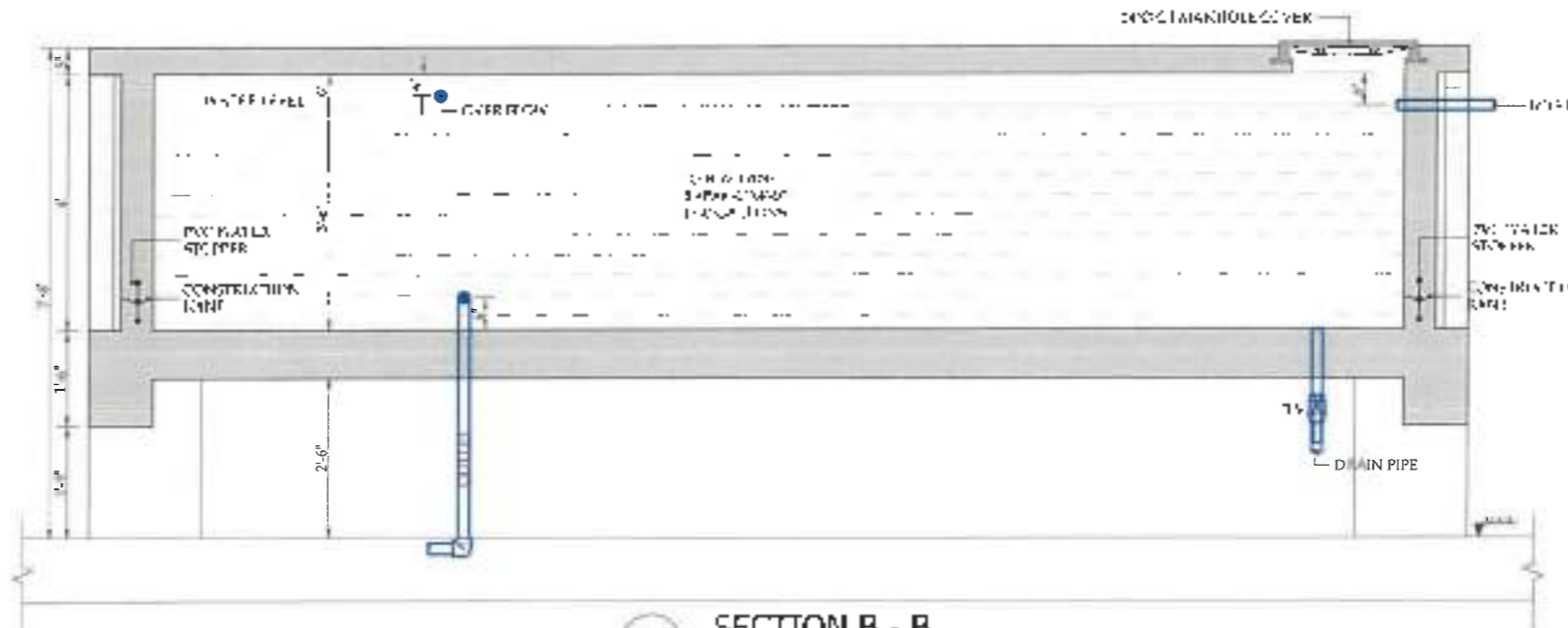
SNGPL-MM-6P-P-05



O.H. WATER TANK
Scale: 1/2" = 1'-0"



GULLY TRAP
Scale: 3/4" = 1'-0"



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

SNGPL-MM-BP-P-07

SNGPL
Title: O.H. WATER TANK AND GULLY TRAP DETAILS

NO.	DATE	BY	CHKD.	APP.
01	01-01-2020	...	...	...

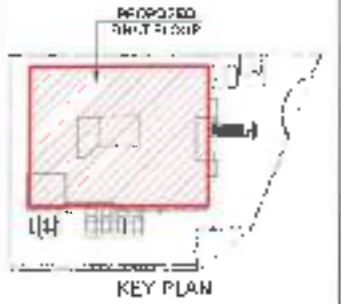
PROJECT: BACHELOR HOSTEL AT
GRI: FRONTIERS MANIA
LAKHNE

CLIENT:

DESIGNER:

LEGEND AND ABBREVIATIONS

SYMBOL	ABBV	DESCRIPTION
		FIRE SPRINKLER P.P.S (WALL)
		FIRE SPRINKLER P.P.S (BRANCH)
		RECENT SPARKLER
	SPR	FIRE SPRINKLER PIPE
	FE	FIRE EXTINGUISHER
	OSP	DRY CHEMICAL POWDER



SNGPL	
TITLE	
FIRST FLOOR FIRE PROTECTION	
DATE:	BY:
NO.	REV.
01	01
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SNGPL-MM-BP-FH-01	
PROJECT:	RESHELOR HOSTEL AT BIL FRAHAG MANSI LAHORE
CLIENT:	
CONTRACT:	

SNGPL-MM-BP-FH-01

