



**PMDC**  
PAKISTAN MINERAL DEVELOPMENT CORP.

**Head Office**

Plot No: 13, Sector H/9, Islamabad 44000,  
Pakistan.  
Tel: 9265123-24  
E-mail: [info@pmdc.gov.pk](mailto:info@pmdc.gov.pk)  
[www.pmdc.gov.pk](http://www.pmdc.gov.pk)

**Invitation of E-BID**

Pakistan Mineral Development Corporation is an autonomous corporation under the administrative control of Ministry of Energy (Petroleum Division), Government of Pakistan invites electronic bids from the interested Parties/contractors having valid registration with PEC (Pakistan Engineering Council) in Category C-5 having building Codes (CE-09, CE-10/11, EE-04) & Federal Board of Revenue (FBR)/Respective Revenue Boards for income tax & sales tax and who are on active taxpayer list (Income & Sales Tax) of the Federal Board of Revenue (FBR)/Respective Revenue Boards for "**Construction of Hospital (Trauma Centre) at PMDC Salt Mines, Warcha.**"

E-Bidding documents containing detailed terms and conditions, method of procurement, bid security, opening of bid, etc. are available electronically and can be downloaded from EPADS-PPRA Website: <https://eprocure.gov.pk> free of cost.

The electronic bids, prepared in accordance with the instructions in the bidding document along with bid money **Rs. 1,000,000/- (1 million)** in the shape of demand draft/pay order from Schedule Bank in the name of Pakistan Mineral Development Corporation on account of bidder must be submitted by using **EPADs (1.0)** on or before **11.06.2026 at 11:00 AM**. Tenders will be opened on EPADs (1.0) on the same date at **11:30 AM** in the presence of participants who may desire to attend the tender opening.

**Note:-**

1. Original Bid Security Instrument Must be submitted to undersigned, before the online submission deadline of the bid; otherwise, respective bid will not be entertained.
2. In case of any technical difficulty in using EPADS, prospective bidders may contact PPRA Office, 1<sup>st</sup> Floor, FBC building Sector G-5/2, Islamabad. Contact Number 051-111-137-237.

**AVP (Procurement)**  
**PMDC Head Office, H-9/4, Islamabad**  
**Phone: 051-9265128**  
**E-mail: [dgm-pro@pmdc.gov.pk](mailto:dgm-pro@pmdc.gov.pk)**





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**Tender Enquiry No. Ref: No. PMDC/Pro/Hospital/WCH/  
DUE FOR OPENING ON: 11.06.2026 AT 11:30 AM**

Electronic bids are invited from the interested parties/contractors registered with PEC (Pakistan Engineering Council) in Category C-5 having building Codes (CE-09, CE-10/11 & EE-04) & Federal Board of Revenue (FBR)/Respective Revenue Boards for income tax & sales tax and who are on active taxpayer list (Income & Sales Tax) of the Federal Board of Revenue (FBR)/Respective Revenue Boards for following works at PMDC Salt Mines, Warcha as per BOQ/Technical Specs given below :-

**SUMMARY OF COST**

Sr. No.	Detail of Works	Total Cost in PKR (inclusive of all taxes)
01	Construction of Hospital (Trauma Centre) at PMDC Salt Mines, Warcha. <b>Specifications/Bill of Quantities as per Annex - A</b>	

**GENERAL TERMS AND CONDITION:**

1. Electronic Bid must be submitted on EPADs (1.0) on or before **11.06.2026 at 11:00 AM** which will be opened on the same day at **11:30 AM** in the presence of tenderers or their representatives who desire to participate.
2. Bid Money as per following detail in the form of pay order/demand draft made in the name of Pakistan Mineral Development Corporation on account of bidder from any scheduled bank shall accompany the bid/tender. Tender with less or without bid money (in the form of pay order/demand draft) or pay order/demand draft without the name of bidder shall not be considered:-

Sr. No.	Detail of Works	Bid Security
01	Construction of Hospital (Trauma Centre) at PMDC Salt Mines, Warcha.	<b>Rs.1,000,000/- (1 million)</b>

3. Successful tender will be required to deposit security money @ 10% of the total value and bid money already deposited will be converted into security deposit while balance amount shall have to be deposited to maintain the Security deposit @ 10% of the total value which will be refunded after successful completion the DLP.
4. The successful bidder shall be required to furnish Integrity Pact if applicable, as per PPRA Rules.



5. Bidders meeting the required all mandatory required documents and relevant experience, will be considered Technical responsive among the technical responsive bidders the contract will be awarded to the bidder offering the lowest evaluated price.
6. The rates should be quoted in PKR and should be inclusive of all applicable/prevaling taxes. Any increase in taxes at any stage shall not be considered.
7. The rates, prices and amounts shall be entered against each item in the Schedule of Prices/BOQ. Any item against which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.
8. Interpretation of the PMDC regarding the tendered rates in case of any discrepancy regarding unit rates and total amount shall be final.
9. Escalation of cost at any circumstances will not be permitted.
10. **Bidders are requested to visit the sites before quoting rates.**
11. The bidder will be responsible to carry out the works as per detailed mentioned in BOQ and the payment to the contractor shall be made on actual work done.
12. The work shall be executed using new, unused, and approved materials of specified quality, in accordance with best engineering practices, relevant codes, standards, and specifications. The execution shall ensure high quality workmanship, structural safety, durability, and full compliance with all applicable statutory requirements.”
13. The contractor shall be responsible for obtaining all necessary approvals, permits, and clearances from the relevant Government departments, authorities, or agencies required for execution of the work, if any. All such approvals shall be arranged by the contractor at his own cost, and no extra payment or reimbursement shall be made by PMDC in this regard.
14. Only two (02) Running Bills / Interim Payments shall be admissible against the work executed. Each Running Bill shall not exceed 30% of the total cost of the contract price.
15. The Project Manager/Engineer may request samples of material to be installed in order to check its quality for approval purpose.
16. The quantity can be increased (up to 15% of the total contracted quantities/price) or decreased during the period of the contract at the sole discretion of PMDC without any prior notice to contractor.
17. No extra item shall be allowed to be executed without written orders from the concern Project Manager.
18. Concern Project Manager shall reserve the right to add/ delete any item from bill of quantities and the contractor will be responsible to execute any extra item required at site to complete the work and the payment for the same shall be made on mutually agreed rates.
19. The Water Charges shall be deducted at the rate of 1% of the contract price from each bill of the contractor. Electricity charges shall be deducted as per the prevailing per-unit rate against the actual consumed units from every bill submitted by the contractor, in accordance with applicable rules. The contractor shall install a sub-meter at his own cost for the purpose of recording electricity consumption at the site.



20. However, if PMDC resources (water and/or electricity etc.) are not used during execution of the work and the contractor arranges all such utilities at his own cost, then no deduction on account of water or electricity charges shall be made from the contractor's bills.
21. The Contractor shall be responsible to make complete arrangements for the transportation/storage/security of the material etc. and the security/stay of his staff/workers.
22. Any damages to PMDC assets, HR of whatsoever nature shall be completely borne by the contractor.
23. The contractor shall execute works in a manner that daily operations/works of PMDC may not be affected.
24. Bids should remain valid for a period of 90 days from the date of opening of tenders. In case no specific date of validity is mentioned in the offer, it will be presumed to be valid for a period of 90 days from the date of opening of tender.
25. If the contractor fails to fulfill the contractual obligations of the contract, then the Security deposit will be forfeited.
26. All taxes will be applicable/deducted as per prevailing Government rules.
27. Firm/Contractor should be of sound financial health and shall provide Bank statement covering last 12 months (from the date of submission of bid).
28. Firm/Contractor must provide a list of the construction machinery and equipment available with the tenderer.
29. The Firm/Contractor should have 03 years' experience in relevant Project/ work with Govt. departments and other organizations/companies. Proof of relevant experience/work order as well as satisfactory completion certificates should be attached.
30. The tender for the supply / work will be completed / delivered at PMDC Salt Mines, Warcha.
31. Completion time period of project will be 06 months. In case of delay, LD Charges @ rate 0.05% of total contract value will be applied per day upto 10 % of Total Contract Value.
32. Defect liability period (DLP)/warranty is 12 months, which will be start from the issuance of completion certificate.
33. If the Supplier/Contractor, having been notified, fails to remedy the defect(s) within the specified period, PMDC may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense.
34. The successful Bidder will have to execute a contract within the specified time, Final Bill Payment will be made after satisfactorily completion work as per specification and on submission of the bill in duplicate along with satisfactory completion certificate/ report whereas security deposit/ Retention Money will be disbursed after expiry of DLP/warranty period which is 12 Month from the date of completion of project..
35. The authorized representative of the bidder/bidding firm will only be allowed to sit in the tender opening on presentation of authority letter from the bidder/bidding firm issued in favor of representative to participate in the specific tender.
36. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not be under litigation with PMDC in any local or foreign court law.




37. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not have any ongoing, under resolved business dispute with PMDC, PMDC shall be sole judge of fulfillment of this requirement.
38. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not have any direct or indirect conflict of interest with the procuring agency.
39. In case of any dispute regarding this purchase order/assignment, the same will be resolved between the relevant parties through negotiations. If negotiations shall fail, then matter will be referred to the Arbitrator. The MD, PMDC will act as sole Arbitrator as per Arbitration Act, 1940. Decision/award of Arbitrator will be final and binding on the both parties.
40. The tenderer/supplier shall appoint a representative at the project and furnish his postal address and contact number to PMDC. Any notice to be served on or document to be signed by the contractor shall be either delivered personally or through the representative and in case it is not possible it shall be treated to have delivered if it has been mailed by registered post on the Postal Address of the representative.
41. PMDC Reserved the right to accept or reject the tender of the tenderer at any time without assigning reasons and cannot be challenged in any court of law.
42. The tenderer/supplier will be blacklisted who is found to the tender process by making coercive practices, collusive practices, corrupt practices, fraudulent practices & obstructive practices.
43. I agree to the above terms and conditions and give my acceptance.
44. Checklist of documents to be attached.

Note: For any technical queries, please contact (Project Manager), PMDC Salt Mines Warcha, Phone: 0300-8604072.

Signature of tenderer: \_\_\_\_\_

Name of tenderer: \_\_\_\_\_

  
(Sajid Hussain)  
AVP (Procurement)

PMDC Head Office, H-9/4, Islamabad  
Phone: 051-9265128  
E-mail: dgm-pro@pmdc.gov.pk



## MATERIAL SPECIFICATIONS/BRANDS TO BE USED

Sr. No.	Item	Brand/Make
1	Bricks	1 <sup>st</sup> class brick or approved Eqv.
2	Sand	Local available Premium Quality
3	Crush	Local available Premium Quality
3	Cement	Bestway, Maple or approved Eqv.
4	Tiles	Times/Master or approved Eqv.
5	Paint/Weather shield	Berger, ICI Dulux or approved Eqv.
6	Aluminum	Alco or approved Eqv. 2.0mm or 1.6mm as per site
7	Glass	Ghani or approved Eqv.
8	Lamination Sheet	ZRK/Patex or approved Eqv.
9	Wood	Kail or approved Eqv.
10	Conduits	Adam Jee or approved Eqv.
11	Wires	Pakistan/Fast Cables
12	Electric Switches/Socket etc.	TJ or approved Eqv.
13	Breakers	Chint or approved Eqv.
14	Lights	Osaka or approved Eqv.
15	Fans	GFC or approved Eqv.
16	Sanitary Pipes	Minhas, Popular or approved Eqv.
17	Sanitary Fixtures	Faisal or approved Eqv.
18	Commode (Indian & English), Basin	Three Star or approved eqv.
19	False Ceiling	Arish with Aluminum T, channel etc. of CMK or approved eqv.



### Check List

Sr. No.	Description	Yes	No								
1	Original Bid money as per following detail is attached/handed over to the PMDC :- <table border="1" data-bbox="310 374 1141 501"><thead><tr><th>Sr. No.</th><th>Bid Security</th><th>No.</th><th>Dated</th></tr></thead><tbody><tr><td>1.</td><td>Rs.1,000,000/- (1 million)</td><td></td><td></td></tr></tbody></table>	Sr. No.	Bid Security	No.	Dated	1.	Rs.1,000,000/- (1 million)				
Sr. No.	Bid Security	No.	Dated								
1.	Rs.1,000,000/- (1 million)										
2	List of the construction machinery and equipment available with the tenderer.										
3	Copy of CNIC and Authority Letter.										
4	Copy of registration certificate with FBR/relevant authority department.										
5	Copy of registration certificate with PEC in C-5 Category having building codes CE-09, CE-10/11 & EE-04.										
5	Copies of experience certificate, work orders as well as completion/performance certificate not less than 03 years.										
6	List of technical staff available with the tenderer who will execute/ supervise the work.										
7	Financial Soundness Proof (Bank Reference or Bank Statement, Audited Report / Accounts).										
8	Affidavit of No litigation with PMDC.										
9	Affidavit regarding No dispute with PMDC.										
10	Affidavit regarding No conflict of interest with PMDC.										

**Tenderer/Bidder Signature**



**Subject: Construction of Hospital/Trauma Center at PMDC Salt Mines Warcha****SUMMARY OF COST AS PER BOQ**

<b>S.No</b>	<b>Description</b>	<b>Total Cost in PKR (inclusive of all taxes)</b>
1	Boundary Wall	
2	Civil Works	
3	Electric Works	
	<b>Grand Total in PKR (inclusive of all taxes)</b>	

**Name of Project. Construction of Trauma Center PMDC Warcha****BOQ Boundary Wall and Water Tank**

BOQ Item #	Description	Total Qty	Unit	Unit Rate IN PKR inclusive of all taxes	Total in PKR inclusive of all taxes
<b>Section-1 Earth Work</b>					
1.1	Jungle clearance and removing within 100 ft. (30 m). complete as directed by the Engineer incharge.				
a)	Ordinary	2,136.63	SFT		
1.2	Clearing and Grubbing	2,136.63	SFT		
1.3	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) complete as directed by the Engineer incharge.				
a)	Ordinary soils from 00' to -5ft	6,912.85	CFT		
1.4	P/A approved Anti-Termite Chemical Treatment by spray at bottoms and sides of excavation and under floors of ground floor and basement as per standard specification of manufacturer or as directed by the engineer incharge and upto his satisfaction (one time payment shall be made on the basis of plinth area). complete as directed by the Engineer incharge.	2,211.98	SFT		
<b>Section-2 Concrete and RCC Work</b>					
2.1	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth protection and under floor:- complete as directed by the Engineer incharge.	1,255.44	CFT		
2.3	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphateresisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.) complete as directed by the Engineer incharge.				
a)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-	1,703.93	CFT		
2.4	P/L Steel Reinforcement Ribbed Deformed Bars conforming to ASTM 615-A with minimum yield strength of 60000 psi, including the cost of straightening, cutting, bending, binding, wastage and such overlaps as are not shown in the drawings, placing in position on cement concrete 1:2:4 pre-cast or M.S chairs tying with binding wire, cost of chairs and wires etc. in all kinds of RCC work at any depth or height at any floor as directed by the Engineer Incharge.	5,560.00	Kg		
<b>Section-3 Brick Masonry</b>					
3.1	Providing and laying First Class Solid Burnt Brick Masonry set in cement mortar 1:4 in straight or curved walls 9" to 13-2 inches (228 mm to 343 mm) thick including scaffolding, raking out Joints and curing etc. complete for following works. complete as directed by the Engineer incharge.				
a)	Foundation upto Plinth level	1,015.30	CFT		
b)	Ground Floor	2,300.75	CFT		
3.2	Chamfering sides of head regulators and masonry walls to increase width (Labour Only).	487.07	SFT		
<b>Section-4 Cement Plaster</b>					
4.1	¾" thick Cement Plaster 1:4 on walls and columns, etc. including making edges, corners, and curing etc., complete as directed by the Engineer incharge.				
a)	Ground floor	7,001.38	SFT		
<b>Section-5 Iron Works</b>					
5.1	Making and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¼" (20 mm) square bars 4" (100 mm) centre to centre. complete as directed by the Engineer incharge.	231.42	SFT		
<b>Grand Total in PKR inclusive of all taxes</b>					

<b>Name of Project. Construction of Trauma Center PMDC Warcha</b>					
<b>BOQ Civil Works</b>					
<b>BOQ Item #</b>	<b>Description</b>	<b>Total Qty</b>	<b>Unit</b>	<b>Unit Rate IN PKR inclusive of all taxes</b>	<b>Total in PKR inclusive of all taxes</b>
<b>Section-1 Earth Work</b>					
1.1	Jungle clearance and removing within 100 ft. (30 m). complete as directed by the Engineer incharge.				
a)	Ordinary	6,381	SFT		
1.2	Clearing and Grubbing	6,381	SFT		
1.3	Excavation in foundation of building, bridges and other structures, including daggelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) complete as directed by the Engineer incharge.				
a)	Ordinary soils from 00' to -5ft	8,985	CFT		
1.4	P/A approved <b>Anti-Termite Chemical Treatment</b> by spray at bottoms and sides of excavation and under floors of ground floor and basement as per standard specification of manufacturer or as directed by the engineer Incharge and upto his satisfaction (one time payment shall be made on the basis of plinth area). complete as directed by the Engineer incharge.	4,825	SFT		
<b>Section-2 Concrete and RCC Work</b>					
2.1	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth protection and under floor:- complete as directed by the Engineer incharge.	6,016	CFT		
2.2	Providing and laying 3" thick <b>damp proof course</b> of cement concrete 1:2: 4(using cement, sand and shingle), including one coat bitumen and one coat polythene sheet 500gauge complete as directed by the Engineer incharge.	982	SFT		
2.3	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphateresisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.) complete as directed by the Engineer incharge.				
a)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-	2,940	CFT		
2.4	P/L <b>Steel Reinforcement Ribbed Deformed Bars</b> conforming to ASTM 615-A with minimum yield strength of 60000 psi, including the cost of straightening, cutting, bending, binding, wastage and such overlaps as are not shown in the drawings, placing in position on cement concrete 1:2:4 pre-cast or M.S chairs tying with binding wire, cost of chairs and wires etc. in all kinds of RCC work at any depth or height at any floor as directed by the Engineer Incharge.	11,750	Kg		
<b>Section-3 Brick Masonry</b>					
3.1	Providing and laying <b>First Class Solid Burnt Brick Masonry</b> set in cement mortar 1:4 in straight or curved walls 9" to 13-/2 inches (228 mm to 343 mm) thick including scaffolding, raking out Joints and curing etc. complete for following works				
a)	Foundation upto Plinth level	3,492	CFT		
b)	Ground floor	5,846	CFT		
c)	1st floor	789	CFT		

3.2	Providing and laying First Class Solid Burnt Brick Masonry set in cement mortar 1:4 in straight or curved walls 4-1/2" thick including scaffolding, raking out Joints and curing etc. complete for following works				
a)	Ground floor	344	CFT		
<b>Section-4 Cement Plaster</b>					
4.1	1/2" thick <b>Cement Plaster 1:3</b> on soffits of ceiling, cantilever slabs, sides and soffits of beams etc., including making edges, corners, and curing etc., complete as directed by the Engineer incharge.				
a)	Ground floor	4,367	SFT		
b)	First floor	191	SFT		
4.2	1/2" thick <b>Cement Plaster 1:4</b> on walls and columns, etc. including making edges, corners, and curing etc., complete as directed by the Engineer incharge.				
a)	Ground floor	7,914	SFT		
b)	First floor	415	SFT		
4.3	3/4" thick <b>Cement Plaster 1:4</b> on walls and columns, etc. including making edges, corners, and curing etc., complete as directed by the Engineer incharge.				
a)	Ground floor	3,718	SFT		
b)	First floor	1,306	SFT		
<b>Section-5 Flooring / Dado &amp; Skirting</b>					
5.1	Providing, and laying <b>floors of 3 inches (75 mm)</b> thick 1:2:4 cement concrete using crushed graded boulders 3/4 inches (19 mm) and down gauge in ground floor laid in panels including form work, consolidation, finishing, curing etc. complete as directed by the Engineer incharge.	4,367	SFT		
5.2	Providing and Laying Ceramic light/dark series tiles in <b>Floor</b> of Master, Shabbir or approved equivalent make (Pakistani) first grade size (12"x24"/ 12"x36") laid over 1" thick 1:3 cement sand mortar, including setting tiles in slurry of grey cement, filling the joints with stile bond compound using pvc spacer, matching the color and washing the tiles, curing and cleaning etc. complete in any floor as directed by Engineer Incharge.	374	SFT		
5.3	Providing and Laying Ceramic light/dark series Master,Shabbir or approved equivalent first grade of approved color & size (10"x24" / 12"x30") in <b>dado and skirting</b> over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joint with stile bond using pvc spacers matching the color and washing the tiles, curing and cleaning etc. complete in any floor as directed by Engineer Incharge.	1,289	SFT		
5.4	Providing and laying, <b>20 mm thick, Granite marble</b> polished of approved size complete as in floors, steps, walls and kitchen tops etc, laid and jointed in white/coloured cement (1:2), complete as directed by Engineer Incharge.				
a)	Stair Tread	416	SFT		
b)	Vanity/Counter Top	44	SFT		
c)	Window sill Level	105	SFT		
d)	Stair Riser	132	SFT		
5.5	Providing & laying approved light/colour glazed/non-skid <b>Vitrified Porcelain tiles of Master (polished) 36" x 48"</b> on walls & floors in any floor laid with dry bond (stile bond) over on 1" thick cement mortar (1:3) including pvc spacers, jointing the tiles with joint filler of approved quality as per direction of the Engineer incharge.	4,260	SFT		

5.6	Providing and Laying Vitrified Porcelain tiles of Master,Shabbir or approved equivalent first grade of approved color & size (36" x 48") in <b>dado and skirting</b> over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joint with stile bond using pvc spacers matching the color and washing the tiles, curing and cleaning etc. complete in any floor as directed by Engineer Incharge.	3,076	SFT		
5.7	providing and laying in floor cc 1:2:4 <b>Tuff Pavers 2.5" thick</b> of approved design and color pattern ( <b>avg strength 7000 psi</b> ) lay down sand cushion filling of joints with sand and warring etc. complete as per direction of engineer incharge(the cost of sand is included)	2,968	SFT		
5.8	Providing and laying 3/8" (9mm) thick <b>marble patties</b> (panel strips) up to 1" (25mm) depth in floor and dado of any description in all floor as required by the Engineer Incharge.	164	RFT		
<b>Section-6 Aluminum and Steel Work</b>					
6.1	Providing and fixing fully glazed <b>Champagne Anodized Aluminium Double Glazed Sliding Windows</b> as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables, Prime and A.C.P. (fixing through their approved fabricators), Prime model box section 101mm x 30mm and 2mm thick including the cost of aluminium netting ,fittings, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge, including the cost of 5 mm thick tinted glass pans.	492	SFT		
6.2	Providing and fixing fully glazed Champagne anodized <b>aluminium Fixed windows</b> Partition as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), Economy model box section 76.2mm x 38.1mm and 2 mm thick including the cost of aluminium fittings, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge,including the cost of 5 mm thick tinted glass pans.	91	SFT		
6.3	Providing and fixing 12 mm Tempered Glass Door frameless comprising of aluminium H-section (D48) at bottom, H-type S.S framless handles both side (approved), top pivot hinges, bottom concealed floor machine hinges, s.s patch fitting, D glass door lock (approved) and all the cost of using approved standard fittings, accessories etc., and hardware any required, as shown	170	SFT		
6.4	Providing and fixing iron grills , Ladders, MS grating or Covers, fence work etc. of required sections of flat iron or M.S square bars or structural steel as per approved design including welding all sides of the section at the junction, and fixing with sunk iron screws, painting two coats of red oxide paint and 3 coats of enamel paint etc. complete as required in any floor in masonry or concrete work.	492	SFT		
6.5	Providing and fixing <b>single leaf steel doors</b> made to crittal or equivalent standard and of approved sections fully paneled with MS Sheet of 16 gauge painted with 02 coats of red oxide paint i/c using approved brass section oxidized fitting iron lugs , cutting holes and making good damages to walls etc., complete as required in any floors.	32	SFT		
<b>Section-7 Wood Work and Fittings</b>					

7.1	Providing and fixing <b>1-1/2 inches (38 mm) thick solid core deodar wood flushed veneered door shutters</b> , with and including the cost of Malaysian (MDF) plywood facing 3 mm. thick on both faces, fixed over best quality deodar wood frame 6 inches wide all-round 6 inches wide lock rail and 2nd class deodar wood solid core, i/c., 1/4 inch thick best quality deodar wood lipping on all sides as per approved drawing, manufactured under power driven hydraulic press, including the cost of approved iron fittings, handles, glass panes, tower bolts 10" long etc. but excluding the cost of locking arrangement. complete as directed by the Engineer incharge.	221	SFT		
7.2	Providing and fixing 1-1/2 inch (38 mm) thick best quality <b>deodar wood shutters fully paneled</b> with same wood, approved iron hinges and tower bolts, glass panes etc., as required.. complete as directed by the Engineer incharge.	159	SFT		
7.3	Providing and fixing 38mm (min) factory made Premium WPC Doors (waterproof, Termite-resistant, Fire retardant) of ESTA, Greendoors or approved equivalent with WPC door frame (chowkat) and WPC architrave on both sides, including the cost of glass panes, polishing, with double action two way hinges, T-lock, tower bolt, handle & all hardware's accessories complete in all respect as per approved specifications and as approved by the Engineer incharge.	239	SFT		
7.4	Providing and fixing with C.P. brass screws <b>main door handle type lock (KHAS TRUMPH)</b> of approved design, cutting wood etc. to required size, with operating keys, as per direction of the engineer-in-charge.	15	No		
7.5	Providing and fixing with brass screws or specially supplied screws <b>hydraulic door closer</b> of approved design No. 5002, Japan make or approved equivalent, cutting wood etc. to required shape and size as per direction of the engineer-in-charge	15	No		
<b>Section-8 Painting and Finishing Work</b>					
8.1	Providing and applying wall putty of 2mm thickness over plastered surface (new surface) to prepare the surface even and smooth complete in all respect.	12,333	SFT		
8.2	Painting with <b>Plastic emulsion Paint</b> VIP of approved make & shade two coats over and including the cost of one priming coat, sand papering, dusting and filling the holes, double putty filling etc. complete over plastered surface at any floor and any height. complete as directed by the Engineer incharge.	2,423	SFT		
8.3	Providing & applying 1.5 mm thick fine textured high quality Sandtex Coating formed of special Acrylic base protective decorative coating of approved colour & shade with trowel having top class finish over well cleaned plastered surface i/c preparation and cleaning the surface, complete in all respect as approved and directed by the Engineer Incharge	10,228	SFT		
8.3	Painting with three coats of <b>weather shield paint</b> ICI Dulux ,Nippon or approved equivalent make & shade two coats over and including the cost of one coat of exterior primer, including sand papering, dusting and approved exterior putty filling the holes, etc. complete over plastered surface at any floor and any height. complete as directed by the Engineer incharge.	491	SFT		
8.4	Providing and laying fair face Gutka cladding laid in (1:2) cement / redposso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing , complete in all respect as approved and directed by the Engineer Incharge.	4,584	SFT		

8.5	Providing and Fixing MS Diamond Wire Mesh of 24 guage (6" Wide) for horizontal and vertical joints of concrete or surface rendering interfacing masonry with nails, washers etc., i/c cost of all type labour and material, as shown on drawings, as per specifications, complete in all respects, , as approved and directed by the Engineer Incharge	1,526	RFT		
8.6	Providing and fixing 3/4"(19mm) thick Sand Stone (12"x24") on interior and exterior wall and cladding of approved quality and shade, laid over pre-plastered surface with adhesive bond complete in all respect i/c 4"(19mm) thick Sand Stone (12"x24") on interior directed by the Engineer Incharge	75	SFT		
8.7	<b>Painting wood work</b> with synthetic enamel paint of ICI Dulux ,Nippon or approved equivalent make and shade two coats over and including the cost of one priming coat complete at any height in any floor . complete as directed by the Engineer incharge.	379	SFT		
8.5	<b>Painting Iron Work</b> with synthetic enamel paint of ICI Dulux ,Nippon or approved equivalent make and shade two coats over and including the cost of one priming coat complete at any height in any floor, complete as directed by the Engineer incharge.	536	SFT		
<b>Section-9 Roof Treatment</b>					
9.1	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 4" (100 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen, complete in all respects:- i) Thermopore sheet ½ " (50 mm) thick. complete as directed by the Engineer incharge.	4,838	SFT		
9.2	Providing and applying torch-on water proofing bitumenous membrane of specified thickness 3mm plain (made of Roof-Grip/ Euro Bit) duly lapped/connected by heating with Torch over ps-6 primer i/c preparation/ smoothen the surface complete in all respect as approved and directed by the Engineer Incharge	1,475	RFT		
9.3	Providing and laying <b>1:2:4 cement concrete khuras 2" thick 2' x 2' size on roof</b> i/c finishing with cement plaster 1:4, curing etc. complete as directed by the Engineer incharge.	6	Each		
<b>Section-10 Plumbing and sanitary Works</b>					
10.1	Providing and Fixing un plasticized polyvinyl chloride pipe (u.P.V.C) "B" class NAKASI (DADEX) or approved equivalent with Specials, cowl, etc.) and clamps etc., including cutting and fitting, complete for soil waste, vent or rainwater down pipe with and including the cost of breaking through walls and roof and making good etc., after cleaning the pipe and cartage within 10 miles (16.09 Km) (working pressure 12 kg/sq cm) : complete as directed by the Engineer incharge.				
a)	50 mm dia	116	RFT		
b)	110 mm dia	181	RFT		
10.2	Providing and fixing <b>uPVC trap</b> DADEX, BETA or approved equivalent with 4 inches (100mm) dia inlet and 4 inches (100mm) dia out let of approved self cleansing design with CP jali/ grating 6"x6" with or without vent arm including cost of making requisite no of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4. complete as directed by the Engineer incharge.	12	No		
10.3	Providing and fixing approved make <b>full way gun metal valves/ Ball valves</b> with rubber washers/approved ball valve with handle, (standard pattern). As directed by engineer incharge.				
a)	32mm dia.	15	No		

b)	40mm dia	4	No		
c)	50mm dia	2	No		
10.4	Providing and fixing (Brite/Porta/Portex) or approved equivalent make of best quality <b>squatting type white/coloured glazed earthenware W.C Pan</b> , (of not less than 18 Inches clear opening as measured between flushing rims) complete with and including the cost of 13.6 liter best quality low level plastic flushing cistern of approved brand with internal fittings complete, P.V.C. flushing pipe suitable for squatting type with extra bends and length with fittings, uPVC trap 4 inches (100mm) dia and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4.. complete as directed by the Engineer incharge.	7	Each		
10.5	Providing and fixing best available quality <b>European style</b> (Brite/Porta/Portex) or equivalent as approved white glazed earthenware wash down W.C.Pan complete with and including the cost of a plastic seat (PVC cover and buffers 3 galls. (13.6 litres) white glazed earthenware low level flushing cistern with siphon fittings, 1-1/2 inches (40mm) dia white porcelain enamelled flush bend, 3/4 inch (20mm) dia, G.I. warning pipe carried outside and bent vertically downwards and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.. complete as directed by the Engineer incharge.	7	No		
10.6	Providing and fixing Brite/Porta/Portex or approved equivalent make 25 inches x 18 inches (635 mm x 457 mm) <b>lavatory basin</b> in white/ coloured glazed earthenware Including pedestal complete with and including the cost of Brass oxidized bolts kit built into wall, 1/2 inch (15 mm) dia. Chrome plated mixer of approved brand 1-1/4" inches (32mm) rubber plug and chrome plated brass chain, 1-1/4 inches (32 mm) dia brass waste of approved pattern, 1-1/4 inches (32 mm) dia. Malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls plinth and floor for pipe connections and making good in cement concrete 1:2:4. complete as directed by the Engineer incharge.	5	No		
10.7	Providing and fixing approved quality earthen ware glazed <b>vanity basin</b> (Brite/Porta/Portex) or equivalent standard size (White/light colour) and including the cost of 1-1/4" dia brass waste 1-1/4" rubber plug and chrome plated brass chain PVC waste pipe 1-1/4" dia of approved pattern etc. complete. complete as directed by the Engineer incharge.	5	No		
10.8	Provide and fixing 12" x 12" with 4" (100mm) outlet cement concrete, CI/ uPVC <b>Gully Trap</b> complete with 4" thick 1:2:4 cement concrete for bed and kerb, 1/2" (13mm) thick cement sand plaster (1:3) to the kerbed, CI grating 6" x 6" (150 x 150mm) and CI cover with frame 12"x12" (305 x 305mm) inside etc. complete as directed by the Engineer incharge.	4	No		
10.9	Providing, Laying, Jointing and testing <b>PPRC pipes</b> of approved brand & make with all fittings (Sockets, Tees, Elbows, Bends, Crosses, Reducers, Plugs, Unions etc.) where required, class <b>PN-20</b> , as specified/complete as directed by the Engineer incharge.				
a)	25 mm dia	204	RFT		
b)	32 mm dia	117	RFT		
c)	40 mm dia	50	RFT		

10.10"	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal or approved equivalent manufacturer, comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (set) (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall Shower (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap	5	No		
10.11	Providing and fixing VIP Chrom eplated <b>bath room accessories of set of 7 pieces</b> consist of one shelf, one towel rod with bracket, one towel ring, one soap dish, one tooth Brush holder with glass, one tissue paper holder one double hook etc complete of approved quality as per direction of Engineer in-charge.	5	No		
	Providing and Fixing of SS 304 Floor Drain 6", complete in all respect as approved and directed by Engineer Incharge.	8	No		
10.12	Providing <b>G.I. pipes, specials and clamps</b> etc., including fixing cutting and fitting complete with and including the cost of breaking through walls and roof, making good etc., painting 2 coats after cleaning the pipe etc.; with white zinc paint with pigment to match the color of the building or wrapping with masking tape as directed and testing with water to a pressure head of 200 feet (ILLM quality) complete as directed by the Engineer incharge.				
a)	3/4" dia pipe	34	RFT		
b)	1" dia pipe	41	RFT		
c)	1-1/2" dia pipe	66	RFT		
10.13	Providing <b>RCC pipes and collars of class 'A'</b> and fixing in trench including cutting, fitting and jointing with maxphalt composition and cement mortar (1:1) and testing with water to a head of 4 feet (1.22 m) above the top of the highest pipe including cartage within 10 miles (16.09 km.) dia. pipe.. complete as directed by the Engineer incharge.				
a)	i) 6" dia	164	RFT		
b)	ii) 9" dia	131	RFT		
<b>Section - 11 Misc., Works</b>					
11.1	Supply and fix, <b>Gypsum Ceiling</b> 600mm x 600mm x 7.5mm thick, incl Aluminium Tee and Aluminium angle, 25mm x 25mm x 1mm, incl hanger clips, jointing clips and 14 SWG, GI wire etc, complete as directed by the Engineer incharge.	3,770	SFT		
11.2	Supply & Installation of Duel (Electric and Gas Water Heaters) 35 gallons with factory-installed pressure relief valve, adjustable water temperature control thermostate, Copper connections for specific capacity having leaving waterr temperature 140 deg F & working pressure 15 PSI. Ambassador/Canon or approved manufacturer i/c cost of all accessories to complete the job as per specifications and standards & making connection, complete in all respect as approved and directed by Engineer Incharge.	5	No		
11.3	Providing and fixing glass shelf 8" deep, with with chromium plated brackets,stands and railing and railing 5mm thick glass. complete as directed by the Engineer incharge.	52	RFT		
11.4	P/F special door frame of special machine bended 16 Gauge M.S sheet 10"X2.5"profile with single/double rebate fitted with six fixing lugs, S.S bearing hinges (KHAS) 5" long for fixing door shutters standard lock plate (lock Box) one sliding bolt eye, including cutting holes, making good damages to walls, filling the door frame cavity with cement concrete 1:2:4 etc. in any floor and any height complete as directed by the engineer incharge	487	SFT		

11.5	P/F special door frame of special machine bended 16 Gauge M.S sheet 5"X2.5"profile with single/double rebate fitted with six fixing lugs, S.S bearing hinges (KHAS) 5" long for fixing door shutters standard lock plate (lock Box) one sliding bolt eye, including cutting holes, making good damages to walls, filling the door frame cavity with cement concrete 1:2:4 etc. in any floor and any height complete as directed by the engineer incharge	126	SFT		
11.6	Providing and embedding 10" (250mm) wide 6mm thick PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks,Slabs) complete in all respect.	82	RFT		
11.6	Providing and fixing 2" dia S.S railing (16 Gauge Chinese imported stainless steel 202 Grade as per fabrication standard) of approved design including 3 nos. 3/4" dia (16 Gauge) horizontal braces, master balustrate and intermediate baluster including fitting, anchor bolts, cups, base plate complete stainless steel material as per design or as directed by Engineer-In-Charge	139	RFT		
<b>Grand Total in PKR inclusive of all taxes</b>					

## Name of Project. Construction of Trauma Center PMDC Warcha

BOQ Electrical					
Sr. #	Description	Qty	Unit	Unit Rate IN PKR inclusive of all taxes	Total in PKR inclusive of all taxes
E-1.1	Supply and erection of PVC pipe for wiring including inspection boxes, & pull boxes, hooks, and repairing surface, etc., complete with all specials				
	12.5 mm (1/2")	623	RFT		
	20 mm (3/4")	869	RFT		
	25 mm (1")	509	RFT		
	50 mm (2")	246	RFT		
E-1.2	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with making holes for regulators, switches, plugs, etc. 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including				
	10 x 10 cm (4" x 4")	250	Nos.		
	17.5 x 10 cm (7"x4")	75	Nos.		
	22.5 x 10 cm (9"x4")"	10	Nos.		
E-1.3	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/woodencasing an capping/G.I.wire/trenches (rate for cables only)				
	Single Core 1mm <sup>2</sup> (3/0.029)	5,741	RFT		
	Single Core 1.5mm <sup>2</sup> (3/0.036)	2,543	RFT		
	Single Core 2.5 mm <sup>2</sup> (7/0.029)	3,937	RFT		
	Single Core 4 mm <sup>2</sup> (7/0.036)	4,921	RFT		
	Single Core 6 mm <sup>2</sup> (7/0.044)	1,968	RFT		
E-1.4	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Legrand/ ABB / Schenider or approved equivalent manufacturer, screws complete in all respect, as approved and directed by the Engineer Incharge				
	02 Gange	15	Nos.		
	04 Gange	12	Nos.		
	06 Gange	65	Nos.		
	Three pin Light Plug 10/13 Amp	55	Nos.		
	Telephone / TV/Datacable socket	18	Nos.		
	Fan Dimmer	36	Nos.		
	Bell push	6	Nos.		
	Three Pin Power Plug 15-32 Amp	25	Nos.		
20 A Double Pole Switch For A/C	20	Nos.			
E-1.6	Providing, making & testing/commissioning of Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), i/c the cost of brass nuts, spacers, bolts washers lugs etc but excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Rod Type Earthing).	3	Nos.		
E-1.7	Providing, making & testing/commissioning of Bore type earthing point by drilling 3" dia bore hole up to water table/moist soil by laying 2" dia perforated GI pipe (Medium Quality) fixed with 40mm dia and 250 mm long tinned copper spike at bottom , i/c the cost of Tinned earth test link copper plate (300x50x10mm), brass nuts, spacers, bolts washers lugs etc. excluding the cost of copper strand & manhole. as approved and directed by Engineer Incharge (Bore Type Earthing).	80	Rft		

E-1.8	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ SWITZERLAND or approved equivalent manufacturer in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge. Single Pole 6-63 Amp (10 KA)	65	Nos.		
E-1.9	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND or approved equivalent manufacturer (with fixed Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Triple Pole 125-250 Amp(25KA)	4	Nos.		
E-1.10	Supply and erection of PVC insulated, PVC sheathed copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- 16 mm <sup>2</sup> 4 core Armoured 35 mm <sup>2</sup> (19/0.064")4 core Armoured 25 mm <sup>2</sup> 4 core Armoured	427 164 213	RFT RFT RFT		
E-1.11	Supply, installation, testing and commissioning of bare copper conductor for Earthing/ Grounding System 6mm <sup>2</sup> 10mm <sup>2</sup>	525 262	RFT RFT		
E-1.12	Providing and fixing Pakistan Energy Label NEECA approved Copper winded Ceiling Fan 56" i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge	36	Nos		
E-1.13	Providing and fixing Pakistan Energy Label NEECA approved Copper winded wall bracket Fan 18" i/c the cost of necessary cable and hardware for connection as approved and directed by Engineer Incharge.	10	Nos		
E-1.14	Providing and fixing 12" x 12" plastic body exhaust fan (Life Time Warranty )Make : GFC, Royal Younus with making connection complete in all respect Plastic Body	8	Nos		
E-1.15	Supply and erection of stiff pedent with brass/metal pipe 6.3 cm (2.5") long, and 15 mm (½") dia brass oxidised or painted, along with brass lamp holder with VIR/PVC cable 3/0.74 mm (3/0.029").	12	Nos		
E-1.16	Supply and erection of 22.5 cm (9") long swan neck plain brass/steel brass oxidised bracket lamp holder, complete.	10	Nos		
E-1.16	Providing and fixing LED Tubelights (Double Rods) 80 Watts Make : Philips osrum etc with making connection complete in all respect	40	Nos		
E-1.17	P/F wall mounted DB (Distribution Board) 200Amp made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge(Breakers will be Paid Separately).	10	Per Cft		
E-1.18	Supply and erection of 25 mm (1") dia and one metre long lightning conductor copper rod with 5 spikes on ball and base, etc. complete.	02	Nos		

E-1.19	Supply and erection of electric energy meter, including meter testing fee for Three phase, 4 wires, 3 x 80Amp ,400Volts etc.	02	Nos		
E-1.20	Supplying, installation testing and commissioning of Octagonal shape single arm 8 meter high electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge.	5	Nos.		
E-1.21	Supplying, installation and commissioning of LED Cobra-head Luminaries of 140 Lm/Watt 250 Watts with 35000 Lm specified wattage and lumens conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer),programmable LED driver (Harvard/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating device i/c the cost of all accessories/components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge.	5	Nos.		
<b>Grand Total in PKR inclusive of all taxes</b>					

# PROJECT CONSTRUCTION OF TRAUMA CENTER

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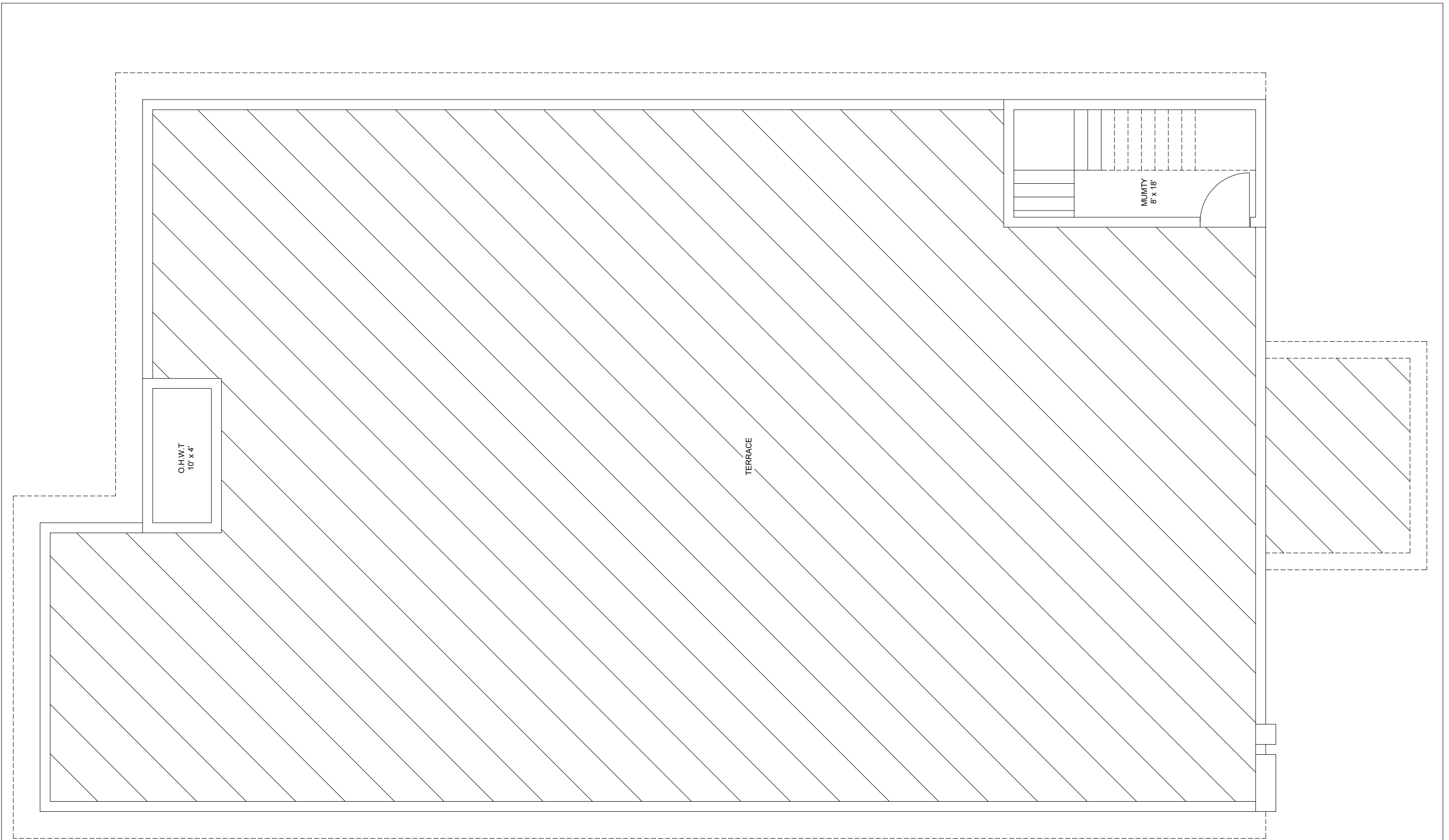
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2.	TABLE OF CONTENT
A.	ARCHITECTURAL DETAILS
3.	3D PERSPECTIVE VIEW FRONT
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23.	BOUNDARY WALL DETAIL

# ARCHITECTURAL DETAIL









**KINEMATICS ENGINEERING**  
 Near Saeed Abad, Khanqah Siraja, P.O WAPDA  
 Colony, Chashma  
 Tehsil Piplan, District Mianwali  
 E-mail: engineeringkinematics@gmail.com

**CLIENT:**  
 Project Manager(PM)  
 PMDC Warcha , District  
 Khushab

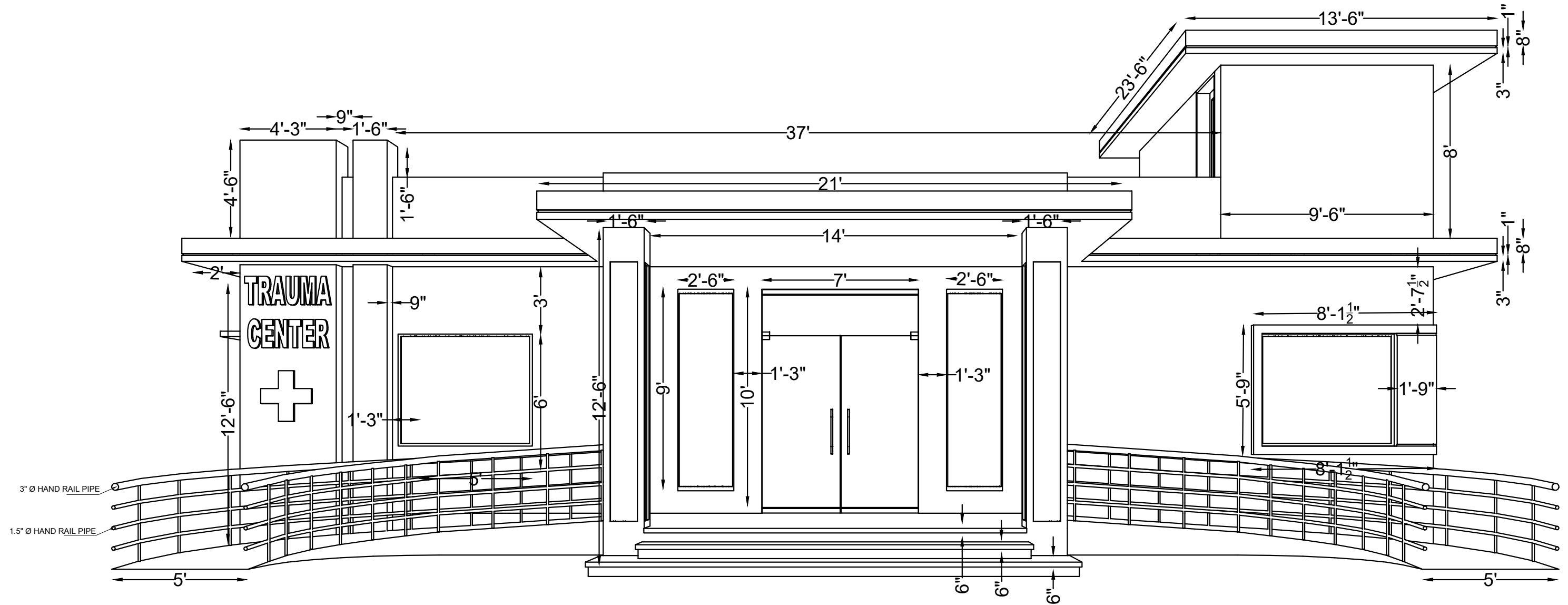
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 CONSTRUCTION OF  
 TRAUMA CENTER

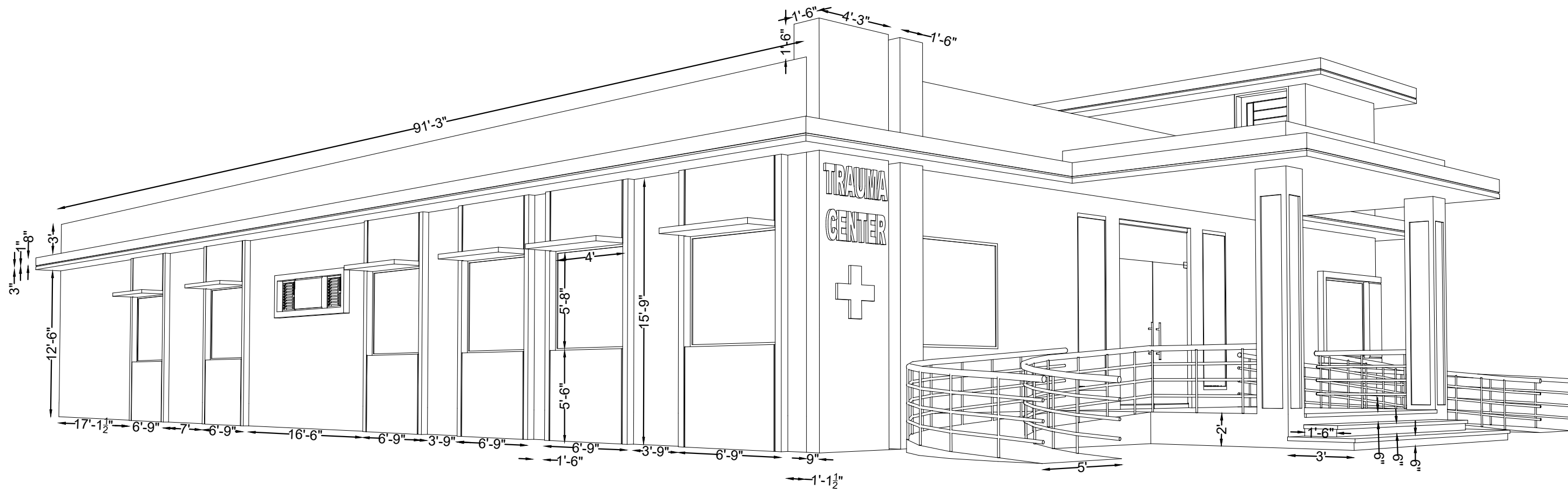
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 UNLESS OTHERWISE SPECIFIED

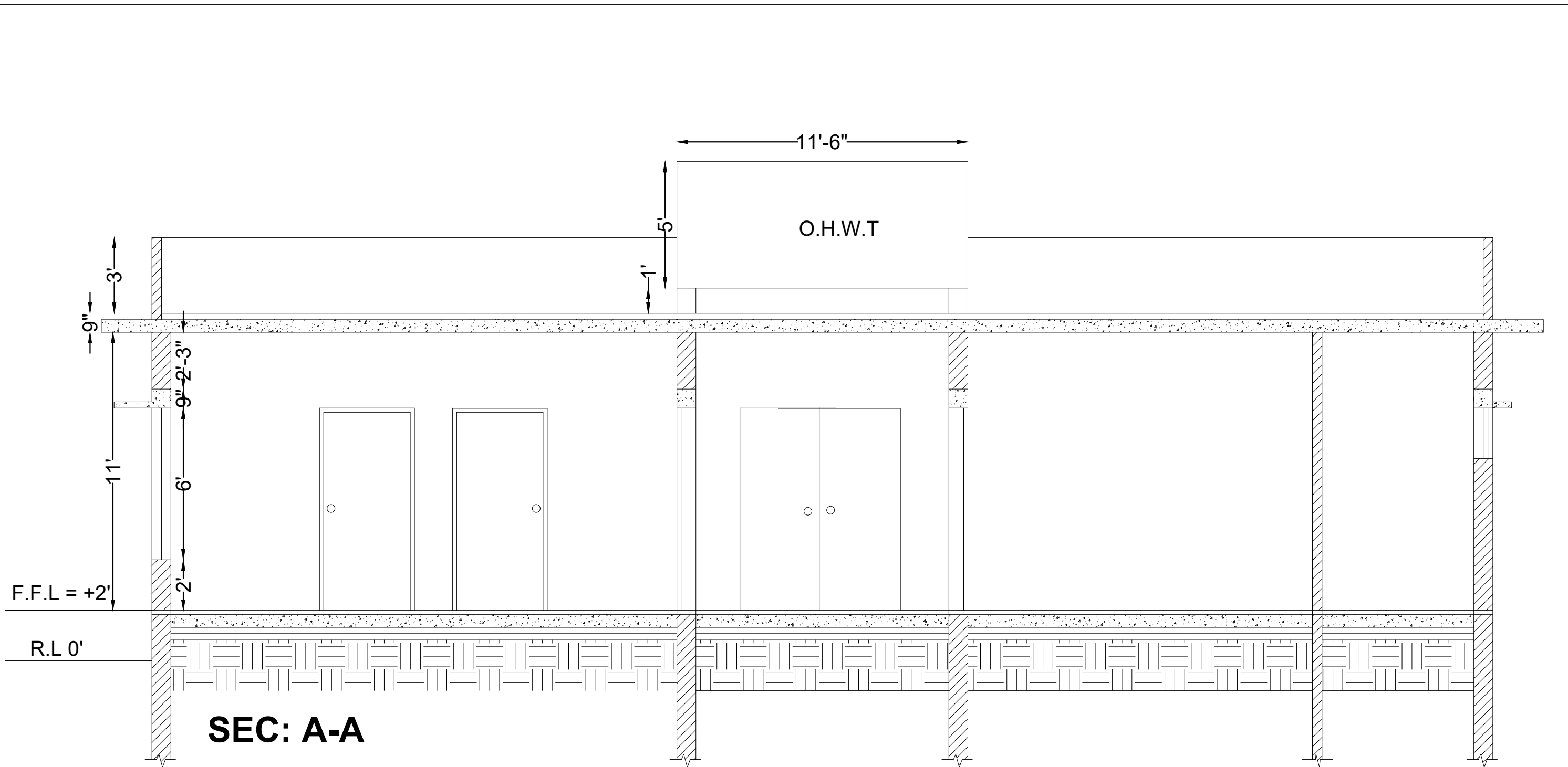
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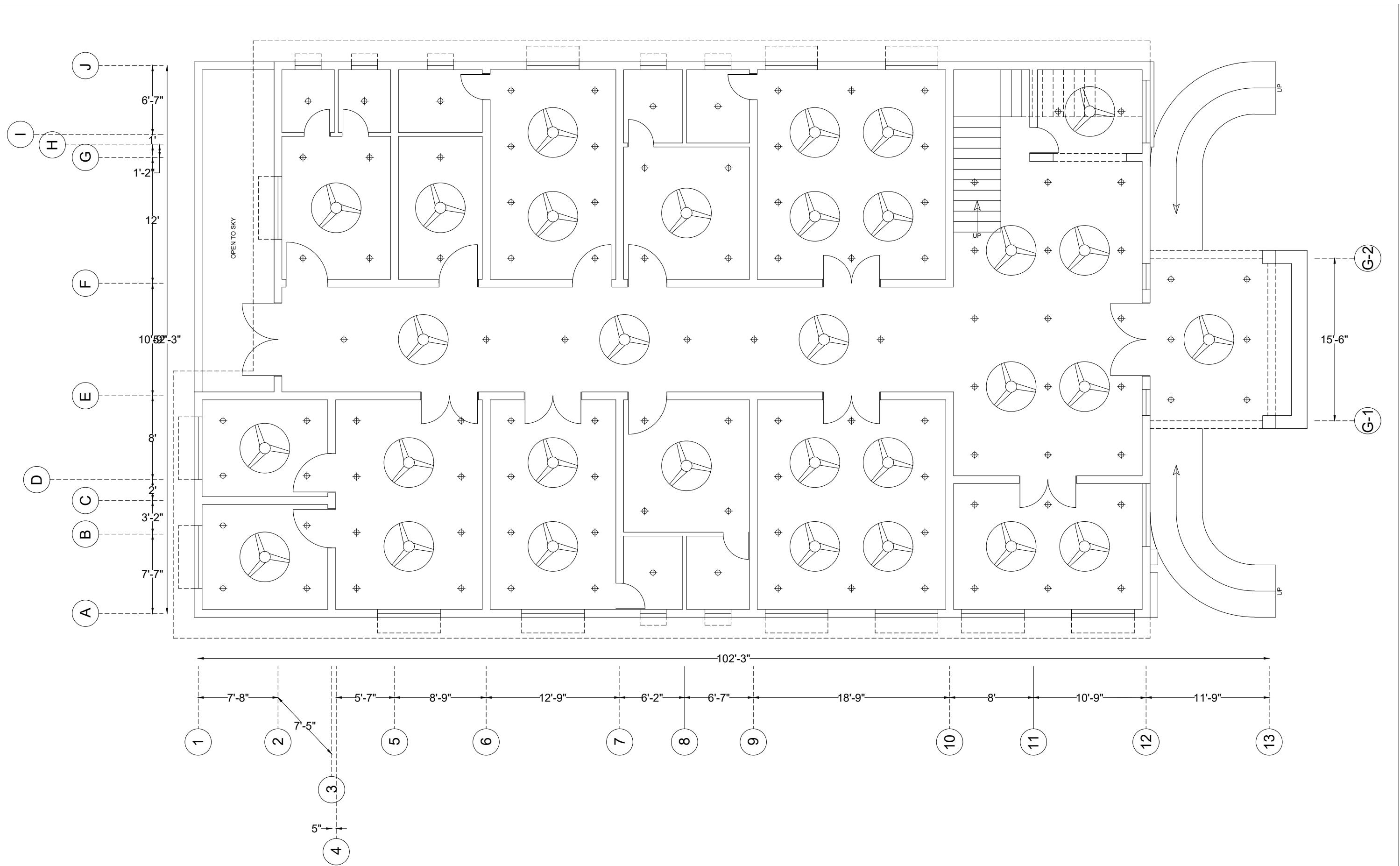
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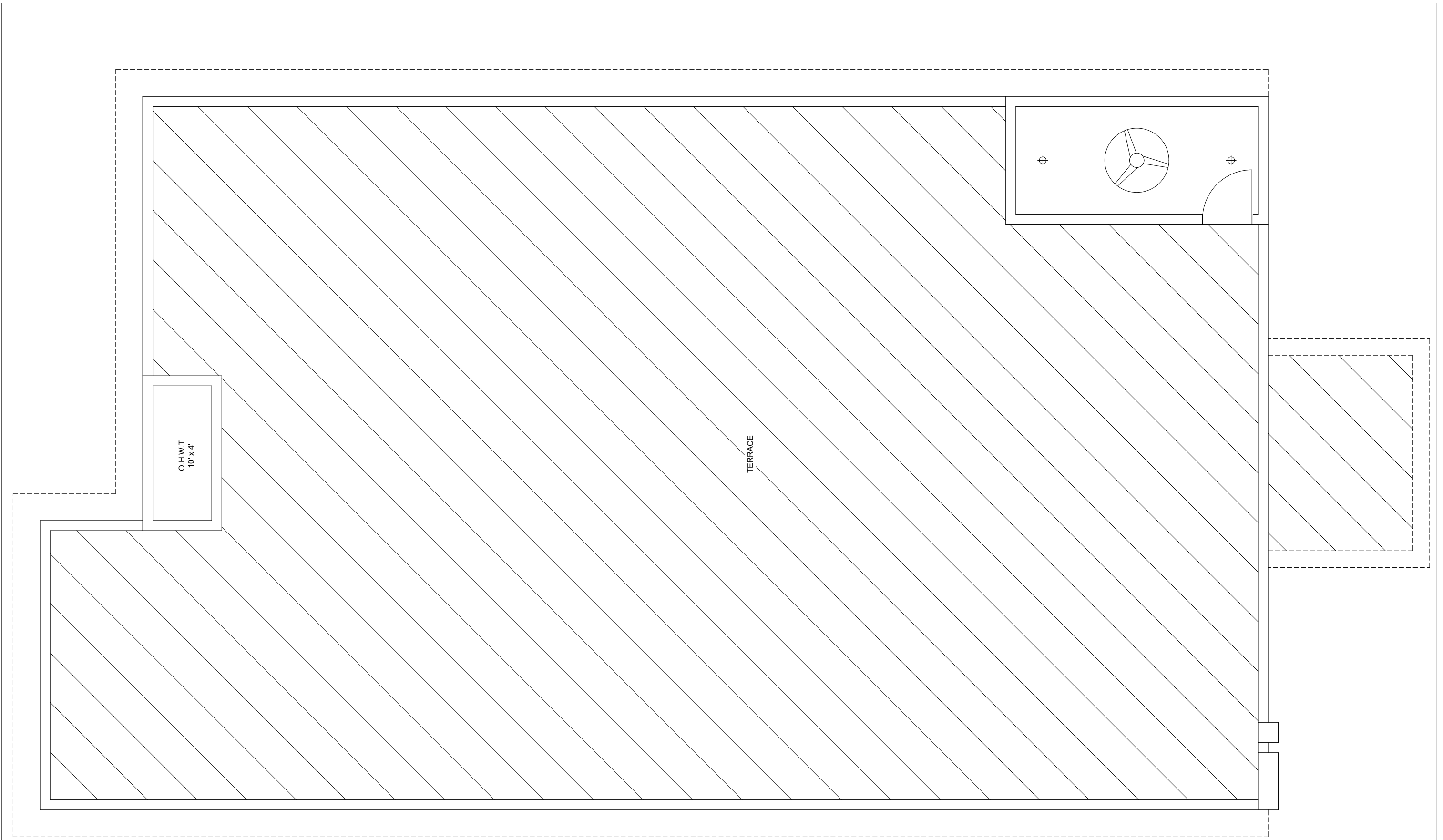





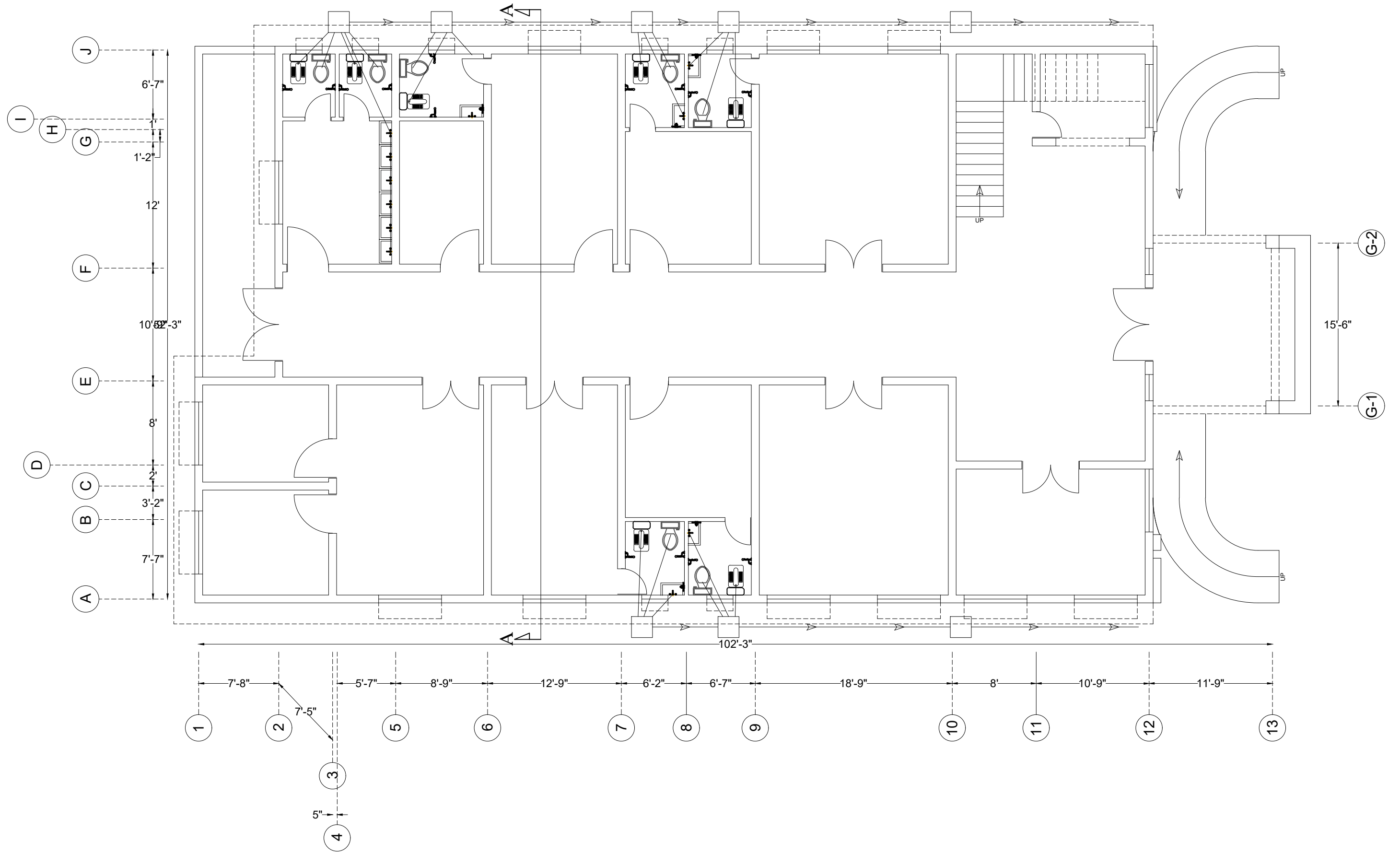
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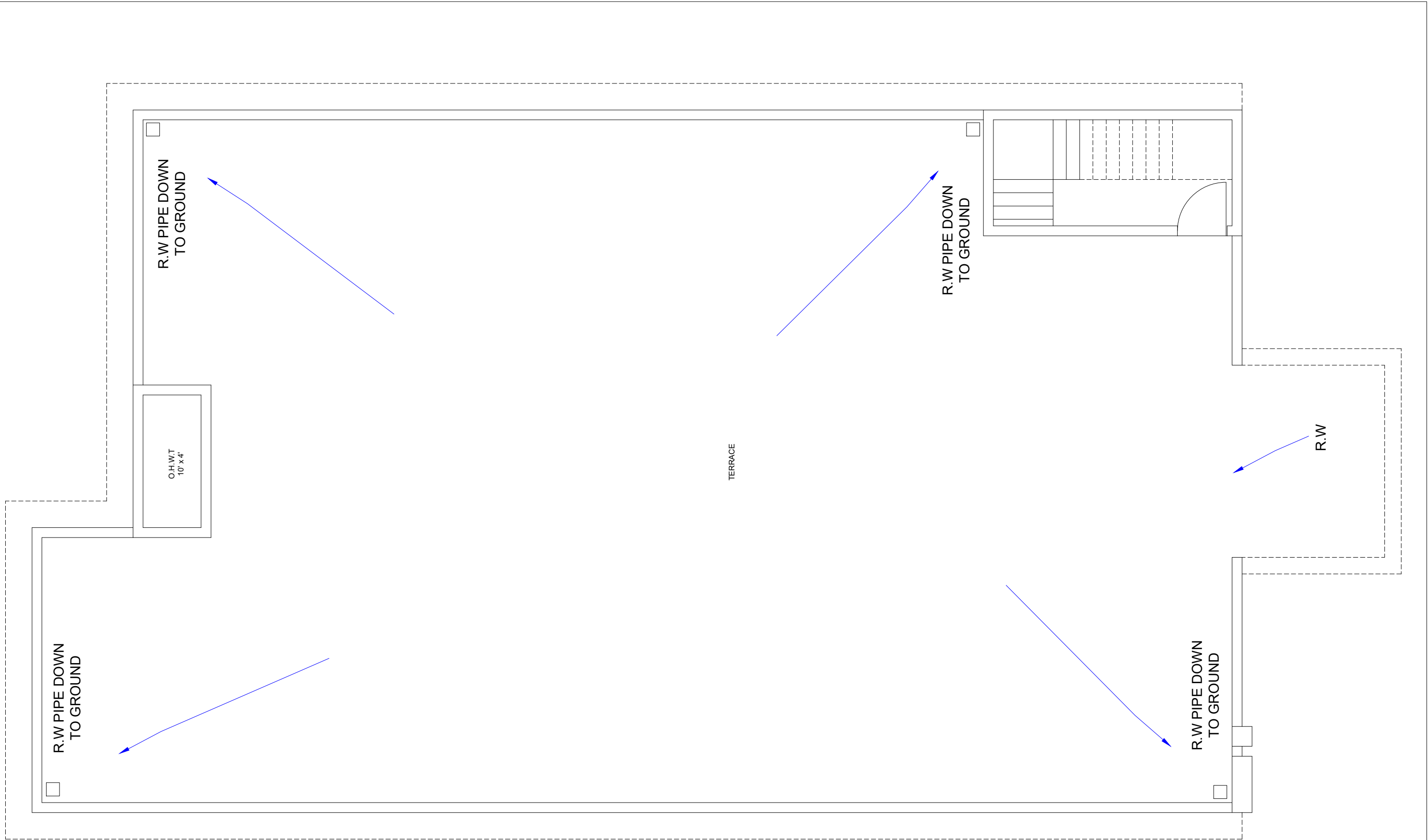


 <b>KINEMATICS ENGINEERING</b>	<b>KINEMATICS ENGINEERING</b> Near Saeed Abad, Khanqah Sirajja, P.O WAPDA Colony, Chashma Tehsil Piplan, District Mianwali E-mail: engineeringkinematics@gmail.com	<b>CLIENT:</b> Project Manager(PM) PMDC Warcha , District Khushab	<b>PROJECT:</b> CONSTRUCTION OF TRAUMA CENTER	<b>NOTES:</b> 1-ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED	<b>DRAWING TITLE:</b> ELECTRICAL PLAN OF GROUND FLOOR	<b>DRAWING NO:</b> 10	
				DATE: APRIL-2026		<b>SCALE:</b> N.T.S	<b>SHEET:</b> 00/00



 <b>KINEMATICS ENGINEERING</b>	<b>KINEMATICS ENGINEERING</b> Near Saeed Abad, Khanqah Siraja, P.O WAPDA Colony, Chashma Tehsil Piplan, District Mianwali E-mail: engineeringkinematics@gmail.com	<b>CLIENT:</b> Project Manager(PM) PMDC Warcha , District Khushab	<b>PROJECT:</b> CONSTRUCTION OF TRAUMA CENTER	<b>NOTES:</b> 1-ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED	<b>DRAWING TITLE:</b> ELECTRICAL PLAN OF FIRST FLOOR	<b>DRAWING NO:</b> 11	
				DATE: APRIL-2026		<b>SCALE:</b> N.T.S	<b>SHEET:</b> 00/00





**KINEMATICS ENGINEERING**  
 Near Saeed Abad, Khanqah Sirajia, P.O WAPDA  
 Colony, Chashma  
 Tehsil Piplan, District Mianwali  
 E-mail: engineeringkinematics@gmail.com

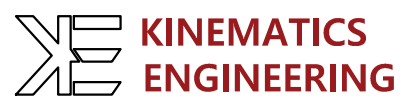
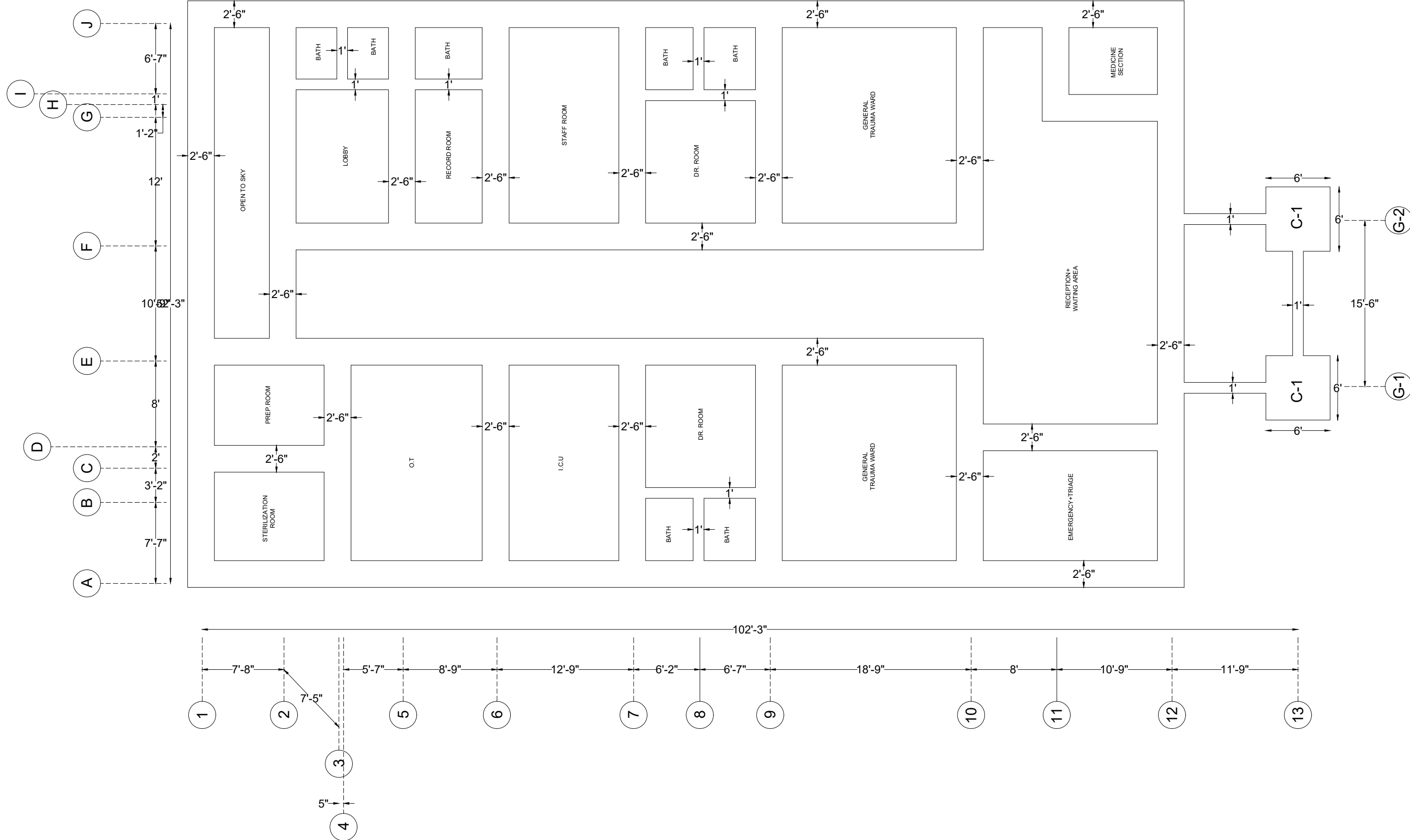
**CLIENT:**  
 Project Manager(PM)  
 PMDC Warcha , District  
 Khushab

**PROJECT:**  
 CONSTRUCTION OF  
 TRAUMA CENTER

**NOTES:**  
 1-ALL DIMENSIONS ARE IN FEET  
 UNLESS OTHERWISE SPECIFIED  
 DATE: APRIL-2026

**DRAWING TITLE:**  
 STORM WATER  
 DRAINAGE  
 DETAIL

<b>DRAWING NO:</b> 13	
<b>SCALE:</b> N.T.S	<b>SHEET:</b> 00/00



**KINEMATICS ENGINEERING**  
 Near Saeed Abad, Khanqah Siraja, P.O WAPDA  
 Colony, Chashma  
 Tehsil Piplan, District Mianwali  
 E-mail: engineeringkinematics@gmail.com

**CLIENT:**  
 Project Manager(PM)  
 PMDC Warcha , District  
 Khushab

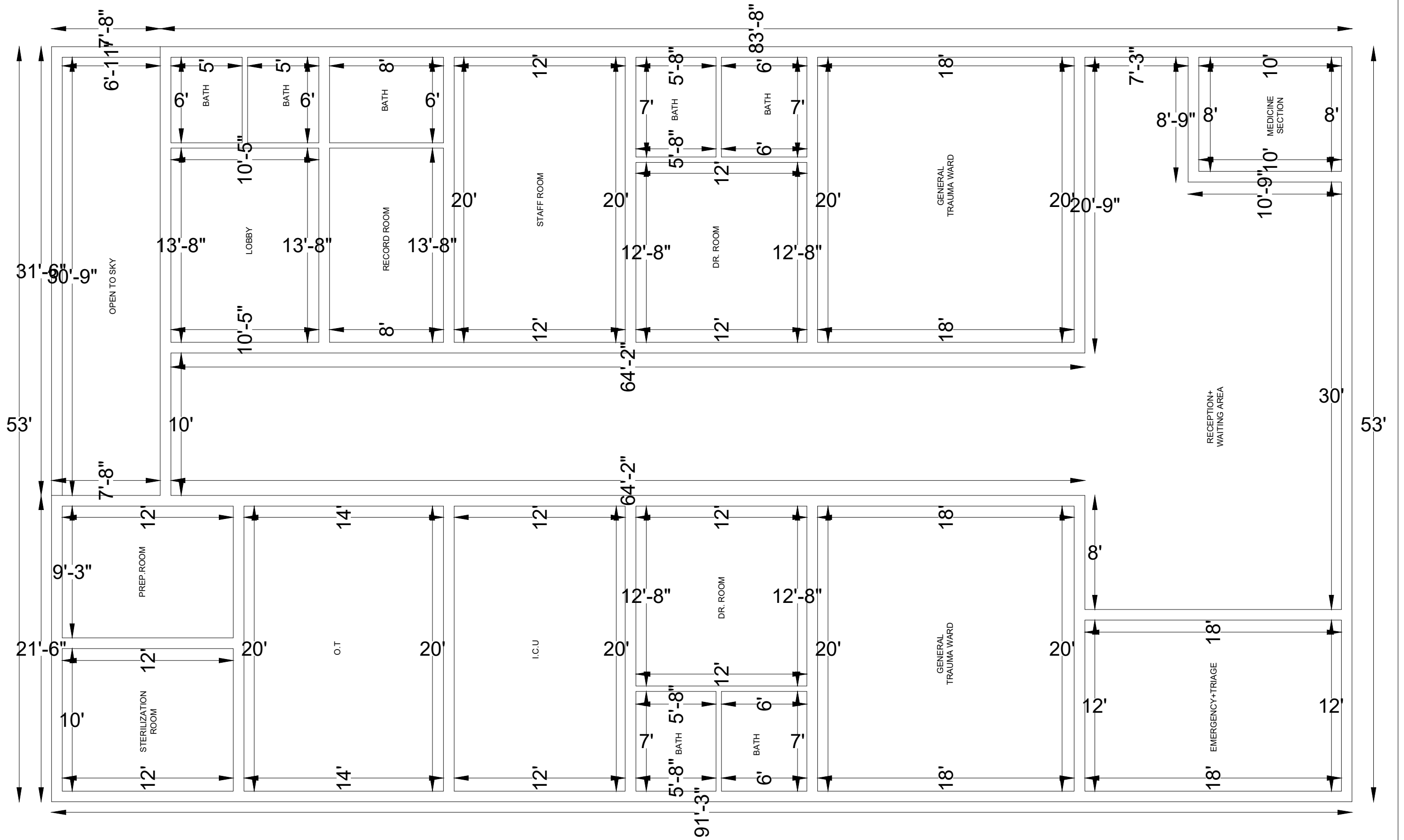
**PROJECT:**  
 CONSTRUCTION OF  
 TRAUMA CENTER

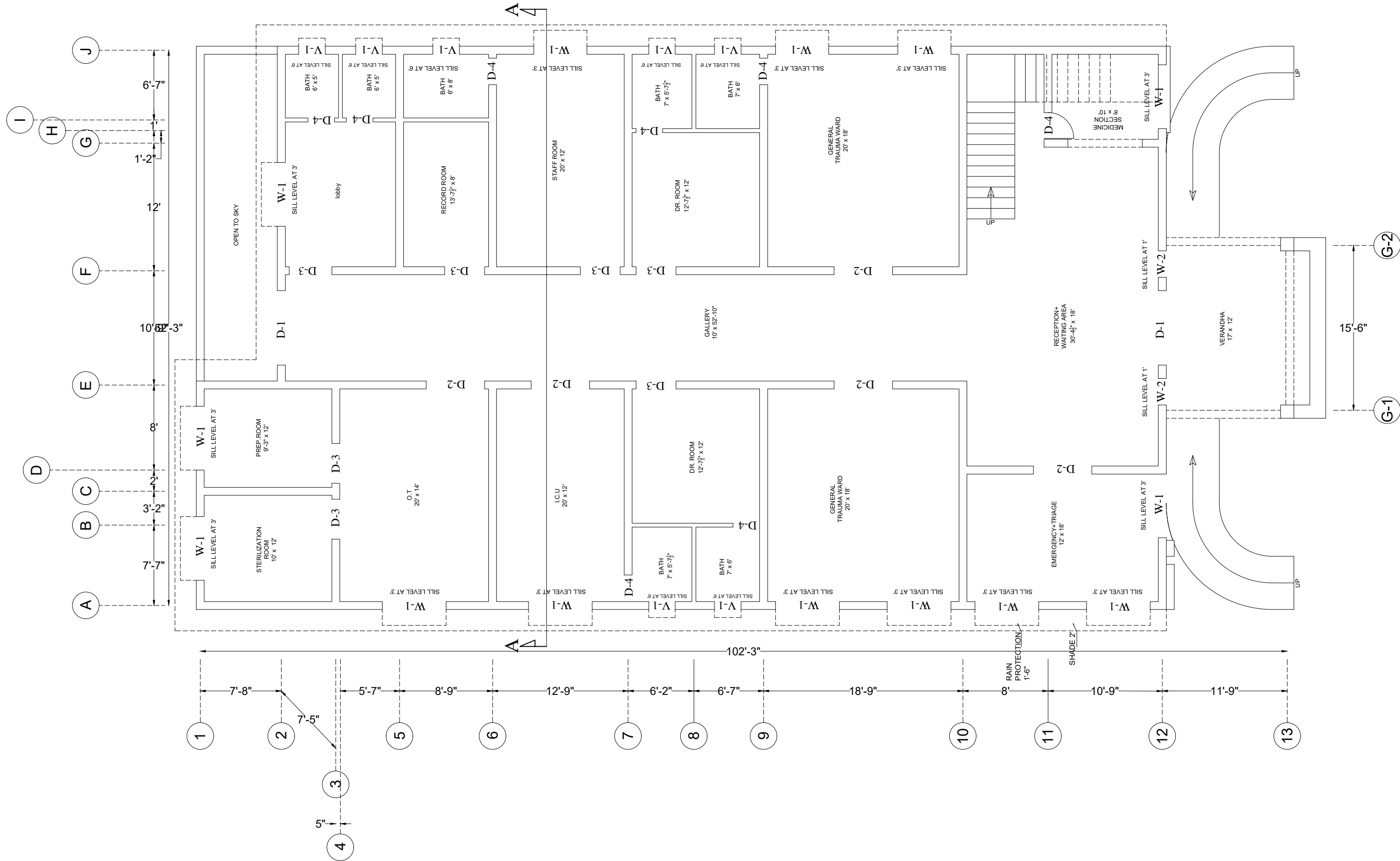
**NOTES:**  
 1-ALL DIMENSIONS ARE IN FEET  
 UNLESS OTHERWISE SPECIFIED

DATE: APRIL-2026

**DRAWING TITLE:**  
 EXCAVATION  
 PLAN

<b>DRAWING NO:</b> 14	
<b>SCALE:</b> N.T.S	<b>SHEET:</b> 00/00





**KINEMATICS ENGINEERING**  
 Near Saeed Abad, Khanqah Sirajia, P.O WAPDA  
 Colony, Chashma  
 Tehsil Piplan, District Mianwali  
 E-mail: engineeringkinematics@gmail.com

**CLIENT:**  
 Project Manager(PM)  
 PMDC Warcha, District  
 Khushab

**PROJECT:**  
 CONSTRUCTION OF  
 TRAUMA CENTER

**NOTES:**  
 1-ALL DIMENSIONS ARE IN FEET  
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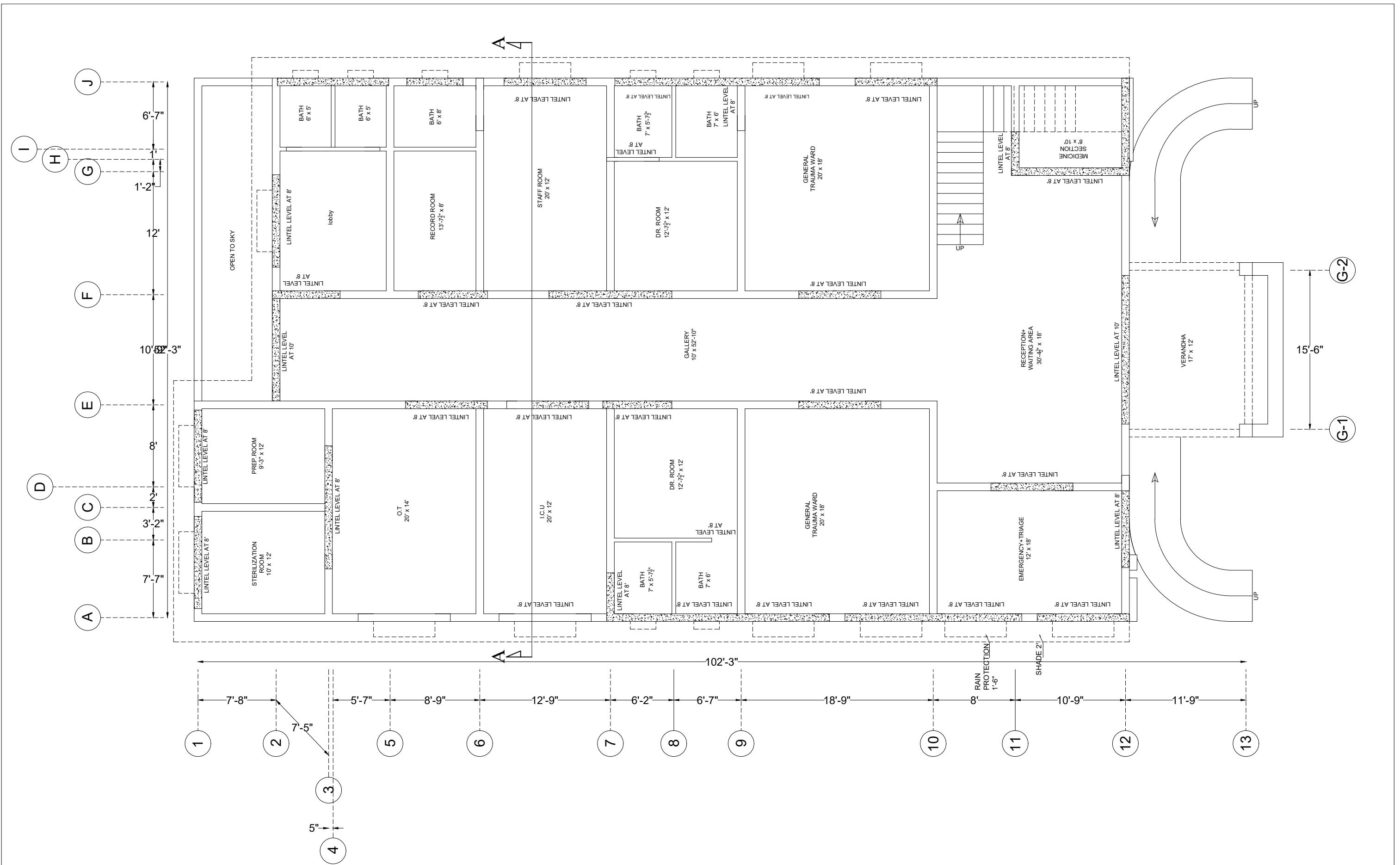
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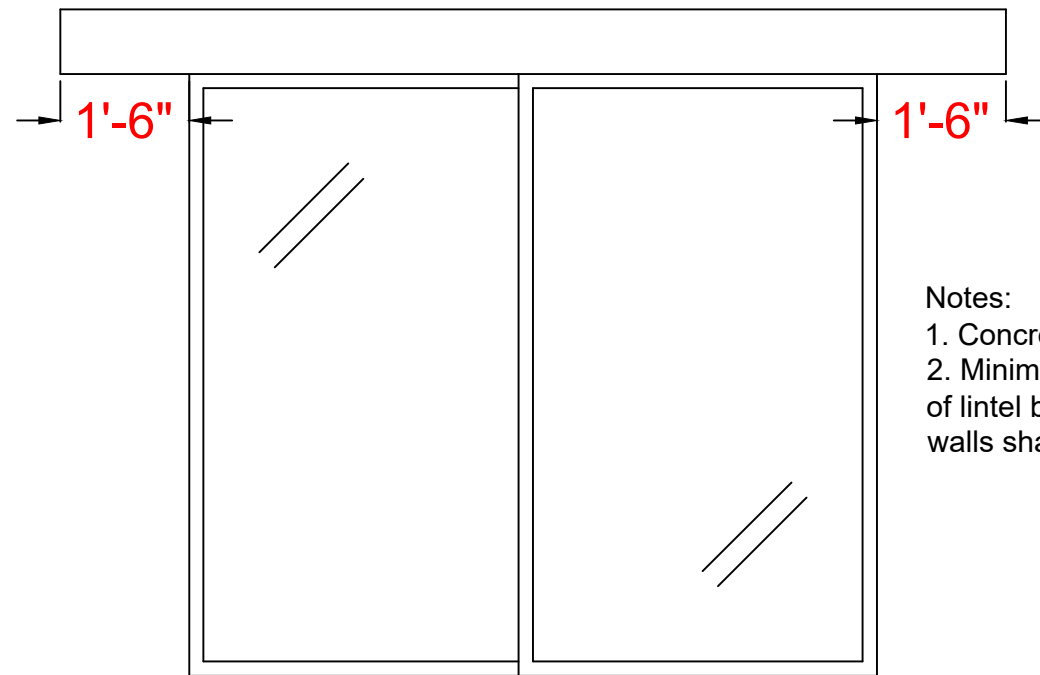
**DRAWING TITLE:**  
 SCHEDULE OF  
 OPENING

<b>DRAWING NO:</b> 16	
<b>SCALE:</b> N.T.S	<b>SHEET:</b> 00/00

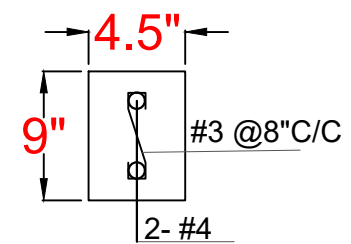
## G.F OPENING DETAIL

S/ NO.	TYPE.	DESCRIPTION.	QUANTITY.	SIZES.		LEVELS.	
				Width.	Height.	Sill.	Lintel.
<b>01. DOORS.</b>							
	D1	GLASS DOOR	02	7'-0"	10'-0"	0'-0"	10'-0"
	D2	DOUBLE SIDE SWING WPC DOOR	05	5'-6"	8'-0"	0'-0"	8'-0"
	D3	FLUSH DOOR	07	3'-9"	8'-0"	0'-0"	8'-0"
	D4	SOLID WOODEN DOOR	08	2'-6"	8'-0"	0'-0"	8'-0"
<b>02. WINDOWS.</b>							
	W1	ALLUMINIUM WINDOW	14	6'-0"	5'-0"	3'-0"	8'-0"
	W2	ALLUMINIUM FIXED WINDOW	02	2'-6"	9'-0"	1'-0"	10'-0"
<b>03. VENTILATORS.</b>							
	V1	ALLUMINIUM VENTILATOR	06	2'-6"	2'-0"	6'-0"	8'-0"

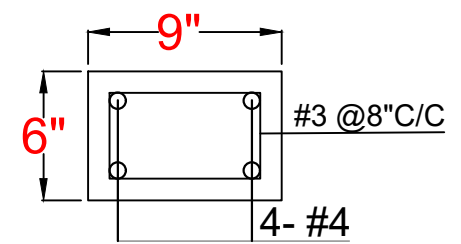




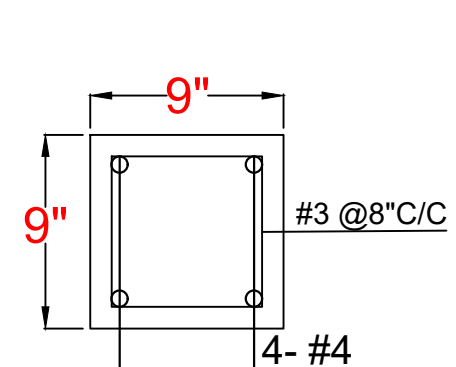
- Notes:
1. Concrete = 1:2:4
  2. Minimum bearing of lintel beam on walls shall be 1'-6"



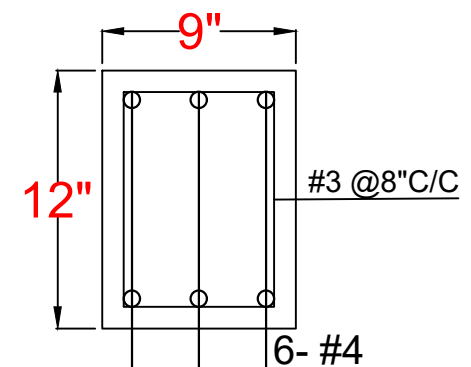
(For 4.5" Brick Wall)



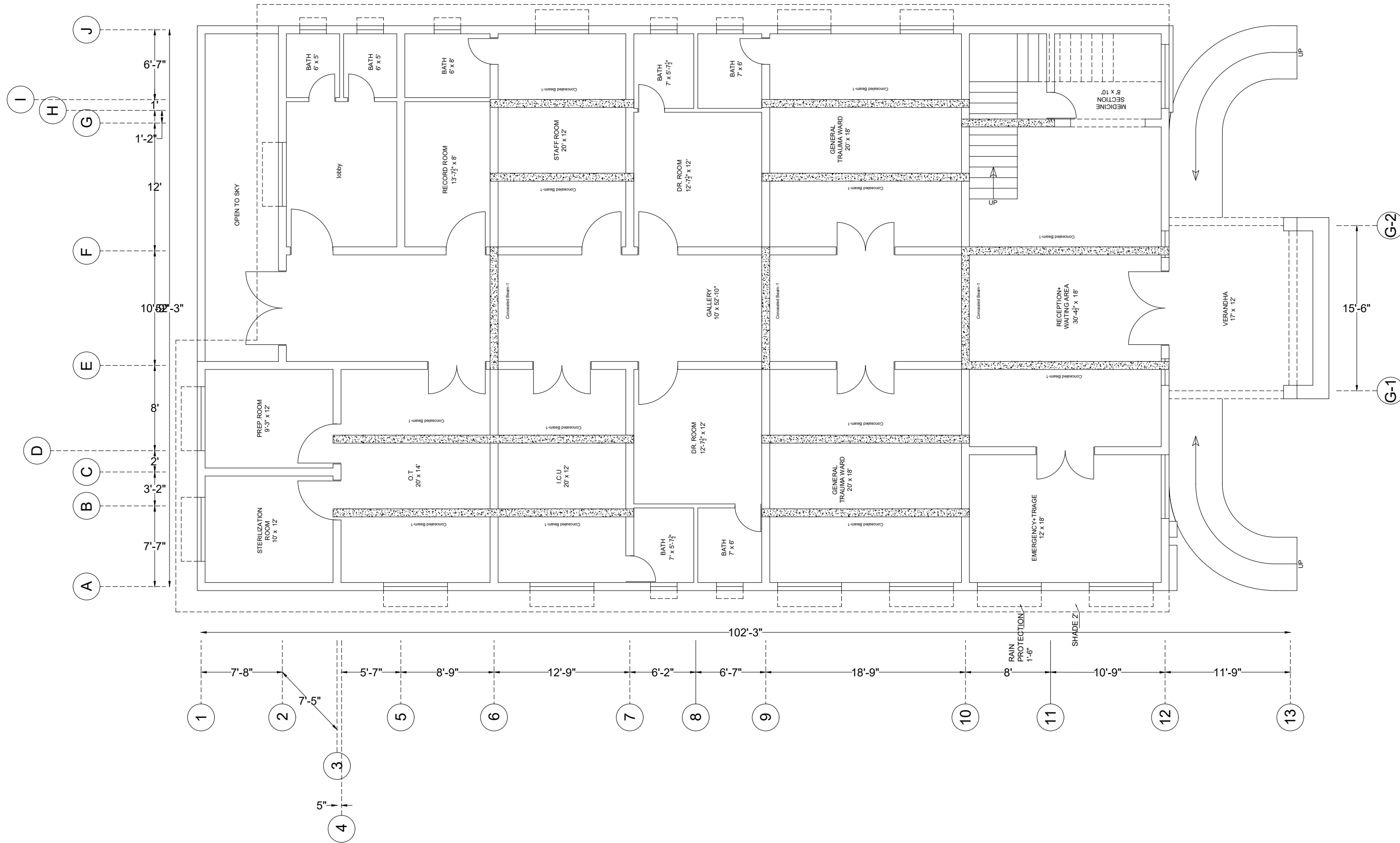
(For 9" Solid Brick Wall)

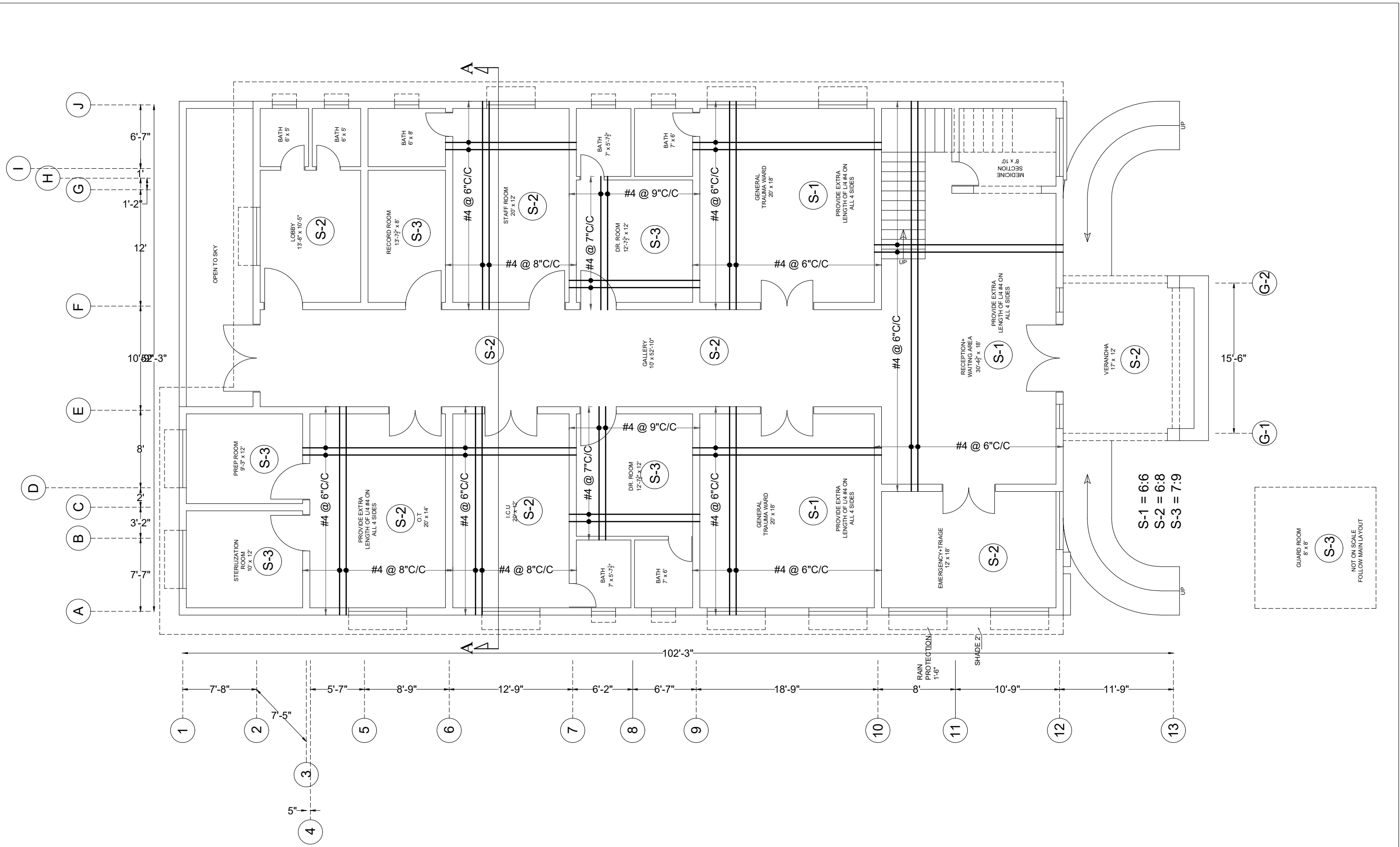


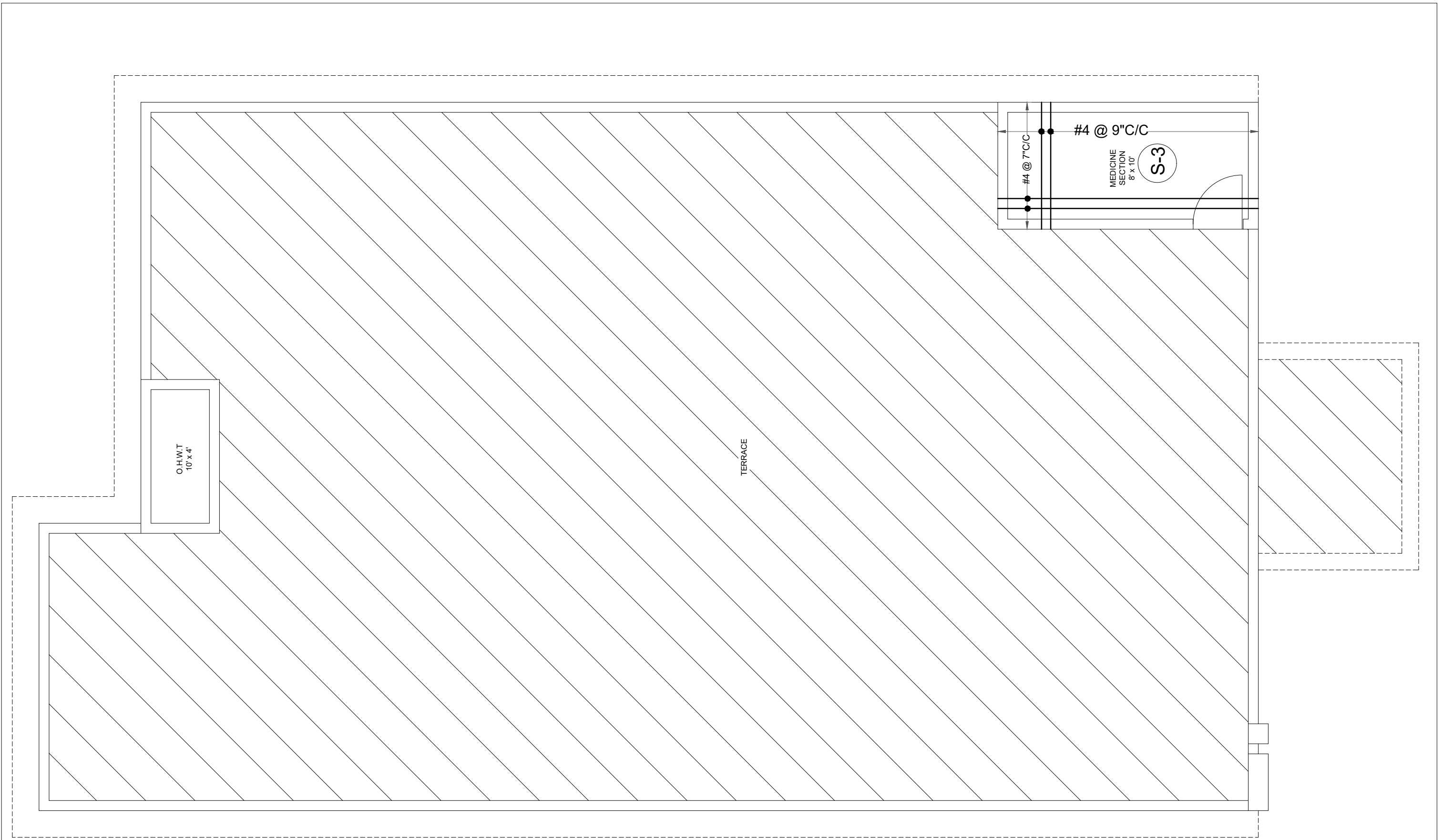
(Upto 7' Opening)




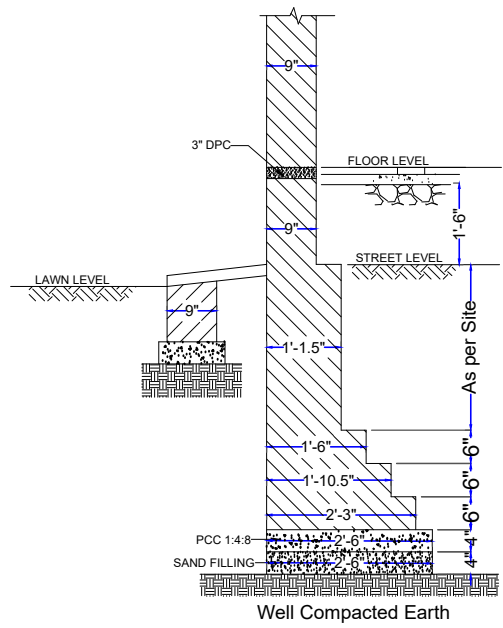
(Upto 10' Opening)



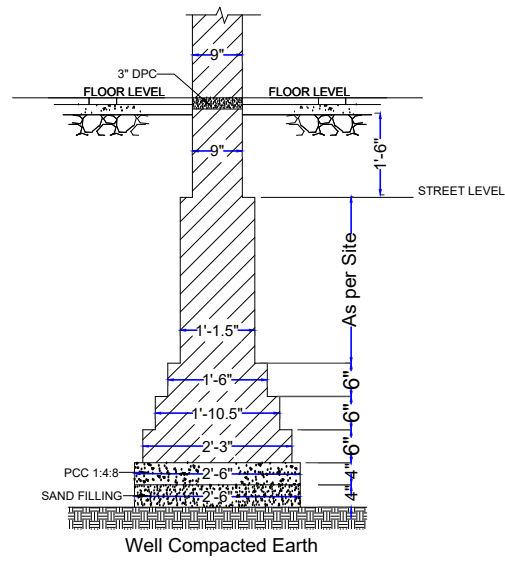




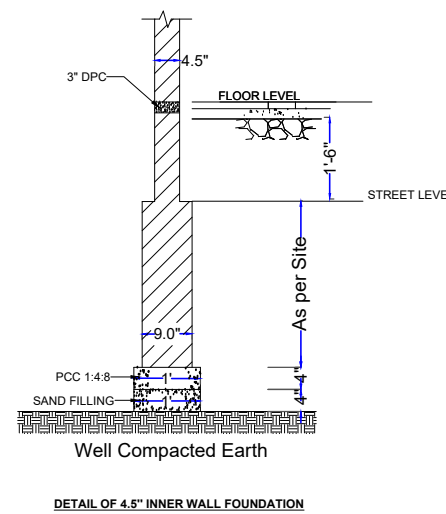
	<b>KINEMATICS ENGINEERING</b> Near Saeed Abad, Khanqah Siraja, P.O WAPDA Colony, Chashma Tehsil Piplan, District Mianwali E-mail: engineeringkinematics@gmail.com	<b>CLIENT:</b> Project Manager(PM) PMDC Warcha , District Khushab	<b>PROJECT:</b> CONSTRUCTION OF TRAUMA CENTER	<b>NOTES:</b> 1-ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED	<b>DRAWING TITLE:</b> ROOF SLAB-03 (MUMTY SLAB DETAIL)	<b>DRAWING NO:</b> 22	
				DATE: APRIL-2026		<b>SCALE:</b> N.T.S	<b>SHEET:</b> 00/00



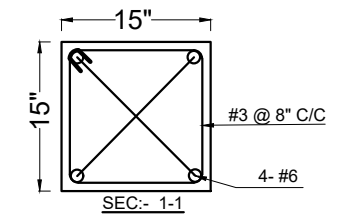
DETAIL OF END WALL FOUNDATION



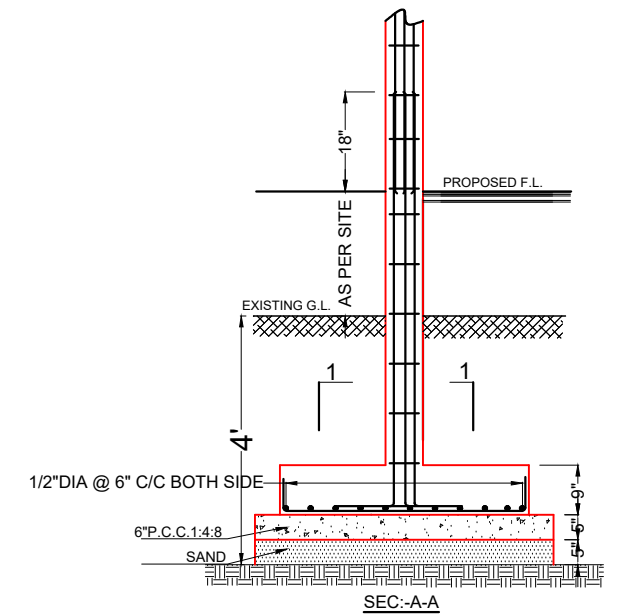
DETAIL OF 9" INNER WALL FOUNDATION



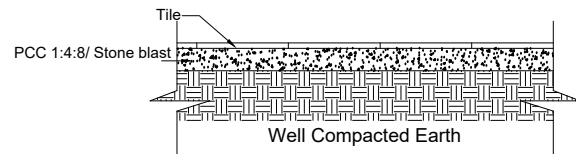
DETAIL OF 4.5" INNER WALL FOUNDATION



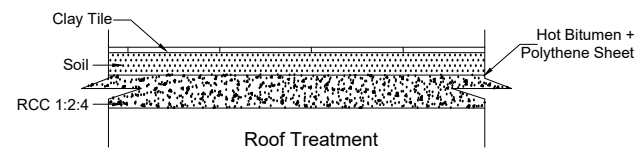
SEC-1-1



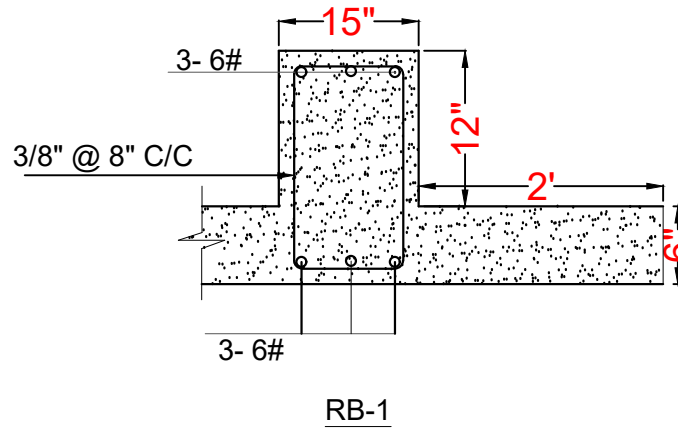
SEC-A-A



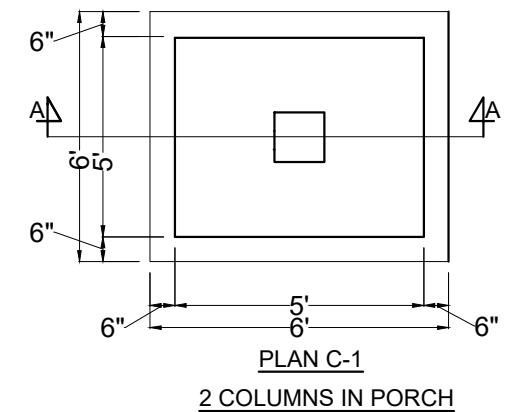
Typical Floor Detail



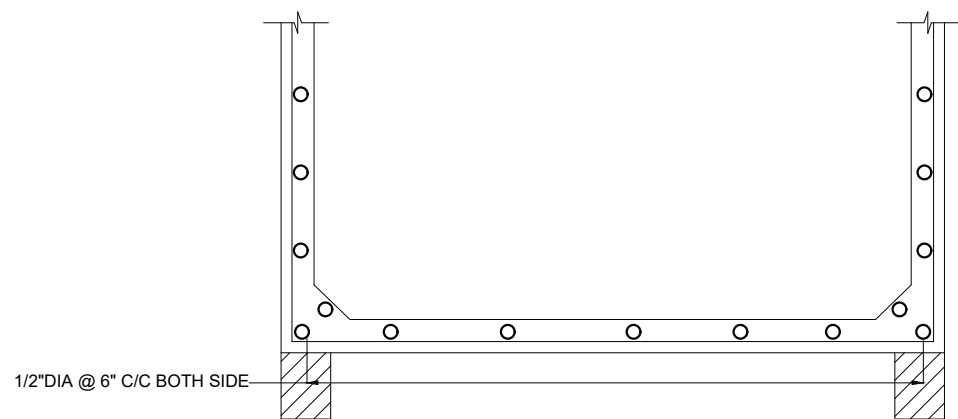
Roof Treatment



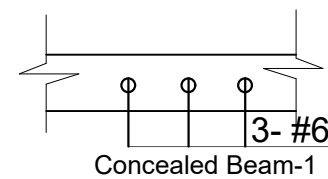
RB-1



PLAN C-1  
2 COLUMNS IN PORCH



OVER HEAD WATER TANK



Concealed Beam-1

