



# CENTRE FOR NANO AND SOFT MATTER SCIENCES

Arkavathi, Survey No. 7 Shivanapura, Dasanapura Hobli,  
Bengaluru North 562162

*Autonomous Institution under the Dept. of Science & Technology, Govt. of India*

## INVITATION TO TENDER

**No. CeNS/2023-24/Construction works/409**

**Date: 02.08.2023**

Dear sir/Madam

### **Sub:Construction of additional Washrooms (06Nos) and Extension of the existing kitchen at CeNS Campus Shivanapura**

The Centre for Nano and Soft Matter Sciences (CeNS) proposes to construct the structures mentioned above within its campus located at Arkavathi, Survey No.7, Shivanapura, Dasanapura Hobli, Bangalore North 562162. CeNS invites your Tender Bid for the project.

The Tender Form in Annexure I to V may be submitted along with relevant Fees and Earnest Money Deposit (EMD). The terms and conditions may clearly be noted before submission of the tender.

The form in Annexure II may duly be completed and submitted in a **sealed outer cover**, containing two **separate sealed envelopes**, clearly marked as “**Techno-Commercial Bid (Annexure III)**” and “**Price Bid (Annexure IV)**”, for identification.

The tender shall be addressed to **The Administration and Finance Officer, Centre for Nano and Soft Matter Sciences, Arkavathi, Survey No. 7, Shivanapura, Dasanapura Hobli, Bengaluru North 562162** marked with our tender reference number, due date and due time with stamp. The completed tender bids must reach this office in the combined sealed cover on or before **15.00 Hrs. of 10 August 2023**, through Speed Post / Courier / Registered Post/hand delivery.

Yours faithfully,

**Sd/**

Administration and Finance Officer

Encl: as above.

## GENERAL INSTRUCTIONS

### 1. Definitions :

- a. The terms 'Centre' shall mean Centre for Nano and Soft Matter Sciences, Arkavathi, Survey No. 7, Shivanapura, Dasanapura Hobli, Bangalore North 562162.
- b. The term 'Bidder' shall mean the person, firm or company with whom or with which the order for the supply of Items/works is placed.
- c. The terms 'Work Order' shall mean the communication signed on behalf of the Centre by an officer duly authorized intimating the acceptance on behalf the Centre on the terms and conditions mentioned or referred to in the said communications accepting the tender or offer of the Bidder for supply of Items/work.

2. **Delivery of tender:** The offer in response to the tender invitation shall be made in two separate envelopes, the first envelope containing Annexure III along with Compliance Statement. The second envelope shall contain only Annexure IV. The two envelopes shall be super scribed with "**Techno-Commercial Bid**" and "**Price Bid**" respectively. The two envelopes may be put in one outer cover, sealed and addressed to **The Administration and Finance Officer, Centre for Nano and Soft Matter Sciences, Arkavathi, Survey No. 7, Shivanapura, Dasanapura Hobli, Bengaluru North 562162**. The tender reference number, due date and due time should be clearly mentioned on the outer cover.

The tender should be accompanied by Tender Application Fee of INR 2,000 and Earnest Money Deposit (EMD) of Rs. 50,000/- through SBI Collect (link : [onlinesbi.com/sbicollect](https://onlinesbi.com/sbicollect)).

Procedure for paying through SBI Collect :- For EMD Please Select State : Karnataka/Type: Govt. Department/ Name: Centre for Nano and Soft Matter Sciences/Category : MISC Fee/ Purpose : Earnest Money Deposit. For Tender Application Fees (TAF) same procedure as above but choose purpose as TAF. The EMD will be refunded to unsuccessful bidders without any interest thereon. A copy of the SBI Collect receipt should be attached with the quotation in proof of remittance of EMD.

**Receipt of tender:** The tender bid must reach this office by **15.00 hours** on the due date. Late and delayed bids will be liable to be rejected.

3. **Validity of the offer:** (a) The tender bid should be valid for a minimum period of 120 days from the date of opening of tender. If the day up to which the offer is to remain open is declared a closed holiday, the offer shall remain open for acceptance till the next working day.  
  
(b) Bid qualified by vague and indefinite expressions such as 'Subject to immediate acceptance', or any other riders will not be considered.
4. **Opening of tenders:** The firm shall be at liberty to authorize a representative to be present at the opening of the tender at the time and date as specified in the schedule. The name and address of the representative who would be attending the opening of the tender on behalf of the firm should be indicated in the tender or a proper letter of authority be produced before the meeting.
5. **Right of acceptance:** This Centre does not pledge itself and reserves to itself the right of accepting the whole or any part of tender or portion of the quantity offered and the firm shall supply the same at the rate quoted. In case any MOQ (Minimum Order Quantity or MOU (Minimum Order Unit) is applicable, the same should be mentioned specifically.
  - (a) No correspondence /discussions /visits whatsoever will be entertained on the subject unless specifically called by this office after opening the tenders for technical discussions/ price negotiations. Any violation of this will render the bids invalid and the firm is liable to be blacklisted.
  - (b) The Centre reserves the right to call for techno-commercial/price negotiations. The firm should depute competent representative for such discussion / negotiations whenever called for and he shall be competent to take on the spot decisions.
  - (c) The firm may give any of their commercial terms, if required in their techno-commercial offer only, and price bid should contain only price.
  - (d) Office stamps of tenderers must be affixed below their signatures.
  - (e) Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.
  - (f) The firm shall provide Banking information for payment or any other purpose
6. **Delay in completion of work:** In case of delayed in completion of work, liquidated damages at the rate of 0.5 percent of value of the remaining

part of the work to be executed per week or part thereof of delay with a maximum of 5 percent of the value of work order/contract will be levied.

7. **Extension of duration of contract:** As soon as it is apparent that contract dates cannot be adhered to, an application shall be sent by the Bidder to the Centre. If failure, on the part of the bidder to complete the work in proper time shall have arisen from any cause which the Centre may admit as reasonable ground for an extension of the time (and his decision shall be final he may allow such additional time as he considers it to be justified by the circumstances of the case).
  
8. **Acceptance of items:**
  - a) Items supplied are subject to inspection and acceptance and the bidder should collect/replace the rejected items.
  - b) The Items shall be tendered by the bidder for inspection at such places as may be specified by the Centre at the bidders own risk, expenses and cost.  
It is expressly agreed that the acceptance of Items is subject to final approval by the Centre, whose decision shall be final.
  
9. Please note that faxed/email quotations shall not be accepted under any circumstances.

**TENDER FORM**

Tender Ref. No.

To

**The Administration and Finance Officer,  
Centre for Nano and Soft Matter Sciences,  
Arkavathi, Survey No. 7, Shivanapura, Dasanapura Hobli,  
Bengaluru North 562162**

I/We agree to furnish required supplies/services as detailed in the Techno-Commercial Bid or such portions thereof as you may specify in the Acceptance of Tender/work Order at the prices given in the Price Bid in accordance with the General Terms and Conditions governing the contract/work order enclosed hereto duly accepted on receipt of order for the same.

I/We agree to hold this offer open until \_\_\_\_\_ and shall be bound to supply/commission/erect the equipment and dispatch the same within the specified period.

I/We agree to supply and complete the whole of the work and hand over to the Centre within the period of \_\_\_\_\_ weeks, from the date of receipt of intimation from you regarding acceptance of this tender/receipt of supply order.

I/We have understood the specifications and have drawn up the Techno-Commercial Bid in accordance with the requirements and have accordingly submitted the Price Bid.

I/We understand that CeNS reserves the right to reject any or all offers without assigning any reasons. It is also understood that the offers may be accepted either in whole or in part.

The details of remittance of Tender Application Fee and EMD are as under:

Details	Demand draft enclosed	Details of EMD Remittance		
		SBI Collect Ref No & Date		
(i) Tender Application Fee (INR 2000/-)	Yes/No			
(ii) Earnest Money Deposit: (INR 50,000/-)	Yes/No			

If (ii) above is 'No', details of Certificate of exemption:

Date:

Signature and Seal of Bidder

Name & Address

**TECHNO-COMMERCIAL BID**

- Tender Ref. No. :
1. Name of Tenderer :
2. Due date & due time : **10 August 2023 @ 15.00 hours**
3. Opening date & time : **Will be notified in our website.**
4. The tender shall remain valid for acceptance for 120 days, from the date of tender opening.
5. Amount of EMD – INR 50,000/- through SBI Collect Ref No.
6. Tender Application Fee- Rs 2,000/ through SBI Collect Ref No.
7. Schedule of requirements:  
Construction of Additional Washrooms (06Nos) and Extension of the kitchen at  
CeNS Campus Shivanapura  
**Detailed specification with (BOQ) Billing of quantities enclosed.**

**CONDITIONS FOR TECHNO-COMMERCIAL BID**

**TECHNICAL**

1. The sealed Tender should be submitted on or before **10th August, 2023** by 3.00 PM through Speed Post / Courier / Registered Post/hand delivery.
2. The Tender should be addressed to the **Administration and Finance Officer, Centre for Nano and Soft Matter Sciences**, Shivanapura, Dasanapura Hobli, Bangalore North -562162
3. Discount if any should be clearly mentioned.
4. Taxes & duties should be separately shown.
5. The quoted price should be valid for a minimum period of **3 months** from the date of issue.
6. Payment of 100% of the invoice value shall be made through NEFT/RTGS after successful completion of the work. Complete details such as the bank account number/IFSC/SWIFT/Bank Address, etc. should be provided.
7. The Centre reserves the right to accept or reject any quotation or part thereof without assigning any reasons.
8. Sealed envelopes containing the quotation should be superscripted with "Construction of Additional Washrooms"
9. Tenders received after the due date shall not be considered.

10. 5.5% of the value of work will be deducted as Security Deposit from the final bill and shall be refunded after the completion of 6 months. from the date of handing over of the work.
11. Penalty clauses as per clauses incorporated in the contract condition of CPWD contracts rules will be levied for delay in completion of the work attributed to the agency
12. 1% of the total billing amount will be deducted for water and electrical charges.
13. The GST Number of the Centre is **29AAATC4203B1ZE** and this should be mandatorily indicated in the Invoice, failing which, the payment process cannot be taken up.
14. The Centre reserves the right to make its own assessment on any of the technical details provided and decide on the suitability of the work offered.
15. **Contract period:** The Bidder should adhere to work schedule as indicated in the Work order, failing which Clause 7 of Annexure-I shall be enforced.
16. **Completion of work:** Within 45 days from the date of issue of Work order
17. Rates are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

**Additional Terms and Conditions.**

- (a) The site visit is mandatory before participating in the bid.
- (b) The agency should have the PWD Class-I or II contractor license.
- (c) Bidder should have an office set up in Bangalore.
- (d) Any excess and additional items shall be operated by using PWD SR rates.
- (e) For any anticipated items which are not in the SR, rates will be finalized by Data Rates as per Market standards.
- (f) No advance payment will be made before the completion of the work.
- (g) All pages of the tender documents should be duly stamped and signed by the Authorized signatory.

ANNEXURE - V

**TECHNICAL BID**



01. PWD license
02. MSME – Certificate if applicable
03. PAN COPY
04. GST Registration certificate
05. Bank Account details
06. Reference of any two Government Institutions (Work Orders) past two years,  
if applicable
07. Proof of remittance of EMD and Tender fees.

### **FINANCIAL BID**

1. BOQ indicating rates for each item as per the format (excluding) GST

Construction of additional Washrooms 1. Near Clinic, 2. Behind existing Kitchen, 3. Near Baylab and 4. Extension of kitchen at CeNS Campus Shivanapura						
<u>PRICE BID</u>						
1	Tender Ref. No.	:				
2	Name of tenderer	:				
3	Due date & due time	:	<b>10 August 2023 @ 15.00 hours</b>			
4	Opening date & time	:	<b>Will be notified in our website.</b>			
5	The tender shall remain valid for acceptance for 120 days, from the date of tender opening.					
6	Rates for items given in Techno-commercial offer at Schedule of Requirements are as follows. (Adhering to the Format given below is a pre-requisite for considering the bids):					
S/no	Description	Units	Qty	Rate	Amount	Remarks
1	Earth work in <b>surface excavation</b> for stripping, seating of bund, Road way, by manual means for lowering & leveling the ground for all works other than foundation & depth in all kinds of soil not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work.	Sqm	48.00			
2	<b>Earth work excavation</b> by manual means for drains, canals and similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.	Cum	30.00			
3	<b>Refilling available earth</b> in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.	Cum	25.00			

S/no	Description	Units	Qty	Rate	Amount	Remarks
4	Providing and laying in position <b>plain cement concrete</b> for levelling course for all works in the foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm and down size graded crushed coarse aggregates	Cum	6.20			
5	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	11.00			
6	Providing and laying in position <b>Reinforced cement concrete M25</b> for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labor, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork is to be paid separately)	Cum	7.61			
7	Providing and <b>removing centering, shuttering, strutting</b> , propping, etc., and removal of form work for foundations, footings, Pedestal, Plinth, Lintel etc including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	82.00			
8	Providing <b>Thermo-Mechanically Treated</b> bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members wherever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)	Kgs	900.00			

S/no	Description	Units	Qty	Rate	Amount	Remarks
9	Providing and constructing load-bearing walls with <b>Solid Concrete blocks of size 400x100x200mm</b> having block density of more than 1800kg/m <sup>3</sup> and minimum compressive strength of 4.00 N/mm <sup>2</sup> conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including the cost of <b>(Raked pointing)</b> all materials, labor, scaffolding and curing, usage charges of machinery, etc complete as per specifications.	Sqm	101.00			
10	Providing <b>rough cement plastering</b> 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of daddoing works with sand of approved quality, providing and removing scaffolding including cost of materials,labour,curing complete as per specification.	Sqm	68.00			
11	Providing 12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	81.00			
12	<b>Internal Painting</b> : Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	81.00			
13	<b>External painting:</b> Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m <sup>2</sup> over and including priming coat of exterior primer applied @ 2.20 kg/10 m <sup>2</sup> ) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including prepa ring the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	91.00			

S/no	Description	Units	Qty	Rate	Amount	Remarks
14	Providing and laying <b>Dadoing in toilets with Vitrified Tiles of Size 300x600mm x10mm</b> thick with PVC tile spacer using Gold Star adhesive, from Ardex Endura/ Webber SGG / SIKAI/ or any other equivalent of grey - highly polymer modified - high strength - flexible adhesive, by mixing it with clean water in ratio of 4 part of powder to 1 part of water by weight in suitable sized mixing vessel using slow speed heavy duty drilling machine fixed with mixing paddle, until a slump free mortar is obtained, combing of adhesive at minimum of 3-6mm thick for wall / floor area using steel notch trowel, fixing of tiles by gently tamping them by rubber mallet, removing excess adhesive from the joint, making tile surface ready for grouting process and allowing it to dry completely, etc and complete as per manufacturer's specification. The spacer joints shall be neatly grouted with matching color cement & Pigment with waterproof compound to match the colour of tile including acid washing etc complete. <b>The Edge of the tile to be chamfered to 45 degree</b> . Tiles of appvd size to be laid to pattern given by Architects, complete as per specifications at all levels. <b>Tile Shall be of Kajaria/Nitco/Johnson/Somany/Simpolo Ceramics (Basic Price Rs. 60/Sqft including GST)</b>	Sqm	68.00			
15	Providing flooring & Skirting with first quality <b>Antiskid-ceramic tiles of size 600x600mm</b> of approved finish and color set over a bed of cement mortar 1:4, 20mm thick including pointing with matching colored cement to match the color of tiles, including acid washing complete. Tiles of approved size to be laid to the pattern given by the Architects complete as per specifications. Tile Shall be of Kajaria/Nitco/Johnson/Somany/Simpolo Ceramics <b>(Basic Price Rs. 60/Sqft including GST)</b>	Sqm	40.00			
16	Providing and fixing the <b>WPC Door with an Outer frame, light white color</b> for size 900mm x 2100mm and 1000mm x 2100mm all necessary fittings ie. Hinges, Handles, stoppers, bolts, etc complete, including the cost of materials, labor, and usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. <b>(Note Quoted rates are inclusive of Outer frame ,Shutter, and necessary hardware fittings)</b>	Sqm	27.00			
17	Providing and Fixing <b>Door Closer - DIV78</b> , with Hold Open Arm, Size 2/3/4, For upto 80 Kg inclusive of making adjustments and sorting it for smooth operation, etc; complete all as per specifications. Make: Hafele, Godrej or Equivalent. Make -Hafele/Godrej/Dorset/Ozone/Dorma	Nos	6.00			

S/no	Description	Units	Qty	Rate	Amount	Remarks
18	Providing and laying to required line and slope roofing with <b>GI Sheet 0.5mm Thick</b> thick fixed with screws. C.I plain and bitumen washers over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications.	Sqm	101.00			
19	<b>Structural steel</b> : Providing and fixing in position mild steel Square/Rectangular tubes for frame works as per drawings including cost of materials,labour,with two coats of enamel paint over a coat of primer HOM of equipment's and machineries all leads and lifts, wastage, loading and loading, transportation complete all as per specification and as directed by the Engineer-in-charge	Kgs	1,500.00			
20	Providing and laying to required line and slope roofing with <b>Embossed polycarbonate sheet.2 thick</b> fixed with screws. C.I plain and bitumen washers over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications.	Sqm	48.00			
21	Providing and fixing 150mm wide, <b>Pvc Gutter with necessary</b> connections of End cap,End Drop,Joint Joint dropElnow etc fixing using Clamps including cost of materials, labour, complete as per specifications.	Rmt	28.00			
22	Providing and fixing <b>pre cast concrete Slabs of size 1200x600x75mmmm</b> made out of RCC 1:2:4 with 8mmSteel 150mmc/c both the directions. and finished with CM 1:3 plastering and finishing cutting etc., complete.	Sqm	38.00			
23	<b>Dismantling of existing block work</b> masonry wall, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. A. Block masonry in mortar.	Sqm	10.00			
24	Supplying and fixing <b>rolling shutters</b> of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labor, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	4.00			

S/no	Description	Units	Qty	Rate	Amount	Remarks
25	<b>Removal of the Aluminium window</b> with Grill including disposal with all lifts and stacking of serviceable material and unserviceable material separately under the supervision of the concerned department complete as per specifications.	Nos	2.00			
	<b>Total of (A) Civil (Sum of S/no 1 to 25)</b>					<b>Sum of S/no 1 to 25</b>
<b>B</b>	<b>PLUMBING</b>					
26	Supplying, fixing, testing & commissioning of approved make white glazed <b>European One Piece Closet (Starwhite)</b> . The quoted price shall also includes soft closing seat cover, Angle cock, Health faucet, Cp toilet paper holder & silicone sealant .(For all toilets) Make: Cera/Parryware/Hindware <b>Basic cost inclusive of all 13,000/-</b>					
a	Floor Mounting EWC with slim seat cover - Make - Cera brand Cat No S1053121 - Basic Cost Rs 4000/-					
b	Cistern - Single flush cistern with anti-bacterial knob - Make - Make: Cera/Parryware/Hindware - Basic Cost Rs 1650/-					
c	Health Faucet - ABS body with 1 meter PVC Silver foil connection pipe Make -Make: Cera/Parryware/Hindware - Basic Cost Rs 800/-					
d	2-Way angle cock with wall flange - Make: Cera/Parryware/Hindware - Basic Cost Rs 1960/-					
e	ORMOND PAPER HOLDER - Make: Cera/Parryware/Hindware- Basic Cost Rs 950/-					
	<b>Single rate to be quoted inclusive for sub items a to e</b>					
	Supply	Nos	8.00			
	Fixing	Nos	8.00			
27	Supplying, testing & commissioning of approved make white glazed 22" <b>wash basin white color</b> 15mm Long body C.P. pillar Cock, extension pipe, C.P.spreader unit GI expansion bolts, supporting bracket with necessary steel to support basin 1 No.15mm CP angle valve with 450mm long CP connection pipe and CP wall flanges all of approved make, etc., complete.					
a	Wash Basin -without pedestal Make: Cera/Parryware/Hindware - Basic Cost Rs 1800/-					
b	Pillar Cock -Pillar cock with aerator Make -Make: Cera/Parryware/Hindware - Basic Cost Rs 2275/-					
c	Accessories, waste pipe etc Basic cost Rs 300/-					
d	Angle Cock -Victor Angle cock with wall flange - Make: Cera/Parryware/Hindware - Basic Cost Rs 1000/-					
	<b>Single rate to be quoted inclusive for sub-items a to d</b>					

S/No	Description	Units	Qty	Rate	Amount	Remarks
	Supply	Nos	8.00			
	Fixing	Nos	8.00			
28	Supplying, fixing, testing and commissioning approved make white colored large flat back urinals 325 x 310 x 420 mm					
	Urinals - Make: Cera/Parryware/Hindware - Basic Cost Rs 2690/-					
	Accessories, waste pipe, Push cock etc Basic cost Rs 1200/-					
	Supply	Nos	3.00			
	Fixing	Nos	3.00			
29	Supplying,fixing CP twin coat hook fixed with SS screws on to the toilet door.( M.R) Make - Make: Cera/Parryware/Hindware Basic cost - 300/-					
	Supply	Nos	8.00			
	Fixing	Nos	8.00			
30	Supplying, laying, jointing, testing and commission-ing approved make UPVC pipes 6 Kg/cm2 with solvent cement joints confirming to IS 4985 for wash basin outlets & AC drain pipes Pipes.The quoted rate shall include necessary chasing in walls making good the same in C.M. 1:4, necessary fittings viz.,elbows, tees etc., with G.I clamps. Anchor fasteners, Grip bolts, nuts and bolts, etc,complete. .( M.R)					
	a) 40 mm Outer dia ( For WB to PT/QT )	Rmt	10.00			
	b) 50 mm Outer dia (For Urinals & sink to QT )	Rmt	10.00			
	c) 63 mm Outer dia ( Floor Drain to QT )	Rmt	10.00			
31	Supplying, fixing and testing uPVC soil, waste and vent pipes (SWR) confirming to IS13592 :1992, type B with rubber ring (confirming IS:5382) joint for inside the toilet & lab inclusive of all necessary specials like bends, tees, offsets, door ends, junctions, cowls, etc., laid under floor/fixed on walls,and in pipe shafts etc., complete.The quoted rate should include necessary MS supports like hanger supports, grip bolts and clamps etc.					
	a) 75 mm Outer dia	Rmt	15.00			
	b) 110 mm Outer dia	Rmt	35.00			
32	Providing & Fixing of Chlorinated Poly Venyl Chloride ( CPVC ) pipes conforming to IS 15778, having thermal stability for Hot & cold water, Supply including all CPVC plain & brass threaded fittings including fixing of pipe with clamp at 1.0 m spacing. This includes jointing of pipe & fittings with one estep CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. ( Concealed work including cutting chases & making good the walls, etc )(Ref KSR 13.86 Page No. 98 & 99 ).					

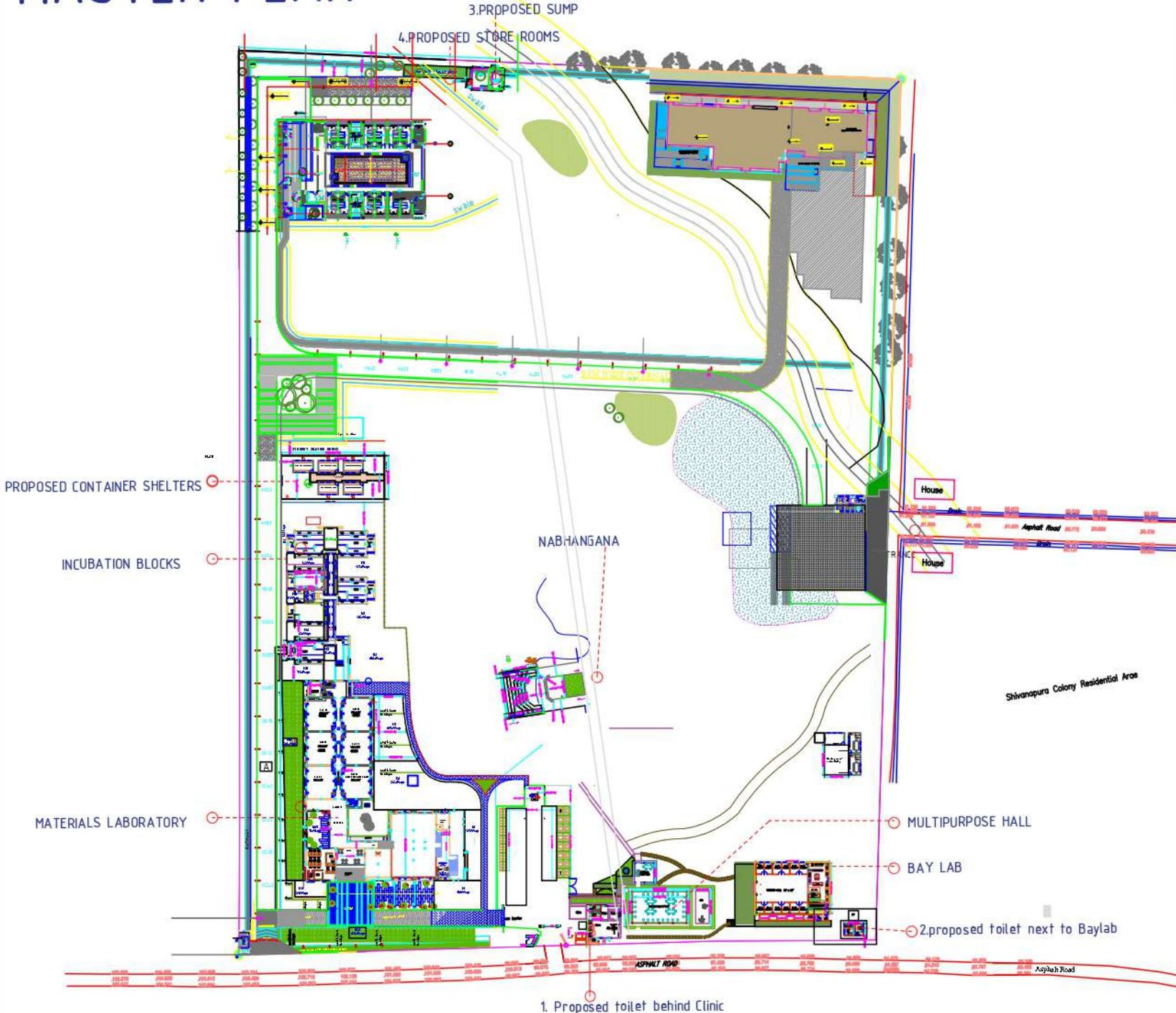


Slno	Description	Units	Qty	Rate	Amount	Remarks
	a) 20 mm dia (Ref KSR 13.86.2 Page No. 99)	Rmt	50.00			
	b) 25 mm dia (Ref KSR 13.86.3 Page No. 99)	Rmt	50.00			
33	Angle Cock -Victor Angle cock with wall fl ange - Make - Cat No F1014101 - Basic Cost Rs 1000/-	Nos	13.00			
34	Gate Valve	Nos	6.00			
35	Constructing brick masonry inspection chamber 600x600mm, and 450 to 600mm depth, ( clear inside dimension ) for single pipeline, using 100mm block in cement mortar 1:5, FRP cover of standard size R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.					
		Nos	5.00			
36	Providing and fixing in position <b>aluminium ventilators</b> as per approved drawings with fixed shutter using frame section comprising top and bottom section of size 40x18mm, wall thickness 1.25mm weight 0.417kg/m. shutter side outer 40x18mm. wall thickness 1.25mm, weight 0.417kg/m, Providing and fixing <b>Stainless Steel wire Mesh 10 Mesh</b> [(a) Mesh count-10, (b) Nominal Aperture(mm) - 1.98mm (c) Wire Diameter - 0.60mm (d) Open area % - 61% (e) Weight kg/sqm - 1.51] for shutters fitted with rubber beading all aluminium setions including cutting to required length, joints mitred subdividing the frame tennoned and rivetted, in the assembeled frame, stiffened with end clips for corners, anoles etc. and fixed to the walls lintels floor beams/cills					
		Sqm	15.00			
	<b>Total of (B) Plumbing</b>					<b>Sum of Slno 26 to 36</b>
	<b>Total (C) A+B</b>					<b>C=A+B</b>
	<b>Add 18% GST</b>					<b>D=18%*C</b>
	<b>Grand Total</b>					<b>E=C+D</b>
	<b>R.O RATE ONLY</b>					

S/no	Description	Units	Qty	Rate	Amount	Remarks
a	Providing and constructing load bearing walls with <b>Solid Concrete blocks of size 400x150x200mm</b> having block density of more than 1800kg/m <sup>3</sup> and minimum compressive strength of 4.00 N/mm <sup>2</sup> conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including the cost of all materials, labor, scaffolding and curing, usage charges of machinery, etc complete as per specifications.	Sqm	0.00		Only rate to be quoted	
b	Providing 18 mm cement <b>plaster (External)</b> in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement : 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	0.00		Only rate to be quoted	
c	<b>Wet Mix Macadam</b> Providing, laying, spreading, and compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre-mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well-prepared surface and compacting with a plate vibratory to achieve the desired density complete as per specifications. (100mm Thk)	Cum	0.00		Only rate to be quoted	
d	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. A. block masonry in mortar. and as per directions of Engineer-in-charge.	Cum	0.00		Only rate to be quoted	
e	Providing and laying to required line and slope roofing with Puff panel of 20mm thick fixed with screws. C.I plain and bitumen washers over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications.	Sqm	0.00		Only rate to be quoted	

Slno	Description	Units	Qty	Rate	Amount	Remarks
f	Providing & fixing Laminated urinal partition from Green ply industries/Merino Industries/Century as approved by Architects of 12mm thickness, colour with HPL boards, of size as per drawing with accessories like hooks, privacy thumb turn indicator, top profile and U channel with the other necessary accessories as per manufacturer's specifications.	Sqm	0.00		Only rate to be quoted	

# MASTER PLAN



1. Proposed toilet behind Clinic





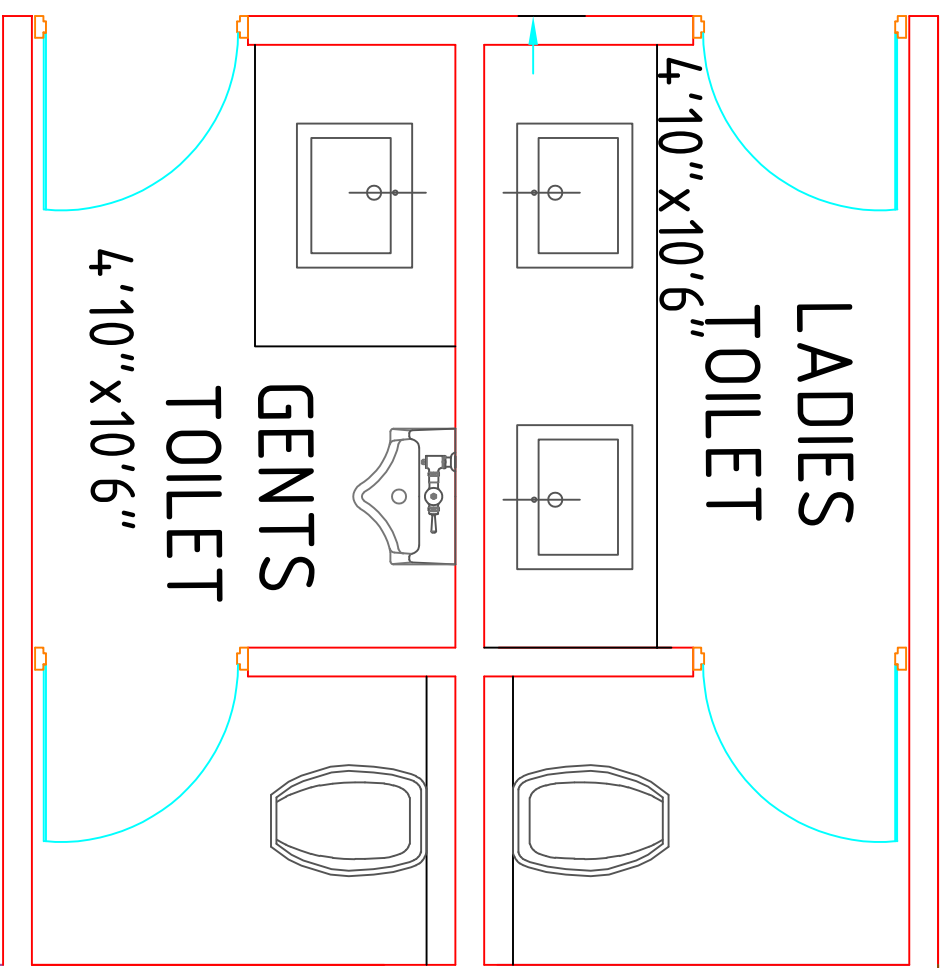
Proposed Toilet

EXISTING KITCHEN

MULTIPURPOSE HALL

Extension of Kitchen

# Proposed toilet next to Clinic



3'-11" [3'-11"]

LADIES  
TOILET  
4'10" x 10'6"

GENTS  
TOILET  
4'10" x 10'6"

4'10" x 10'6"

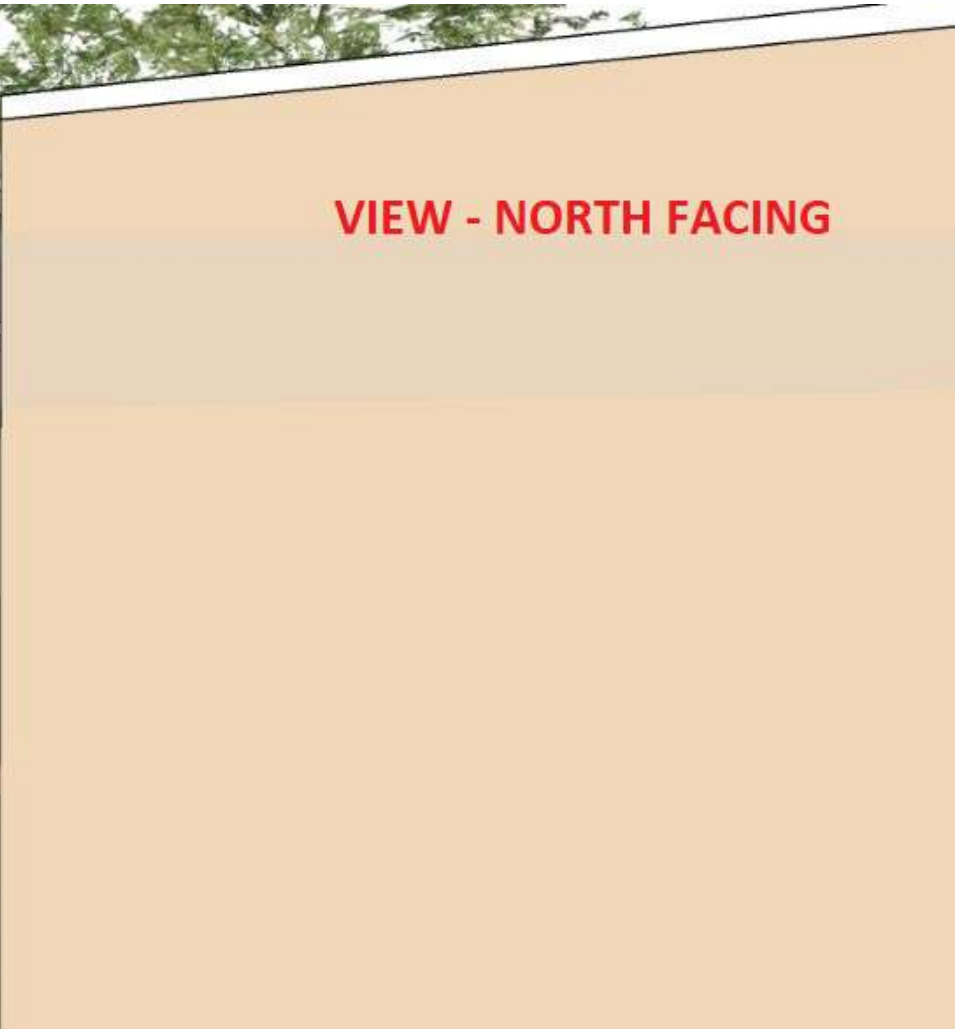
9'9"

3'

3"



**VIEW - NORTH FACING**





**VIEW- NORTH**

**KITCHEN**

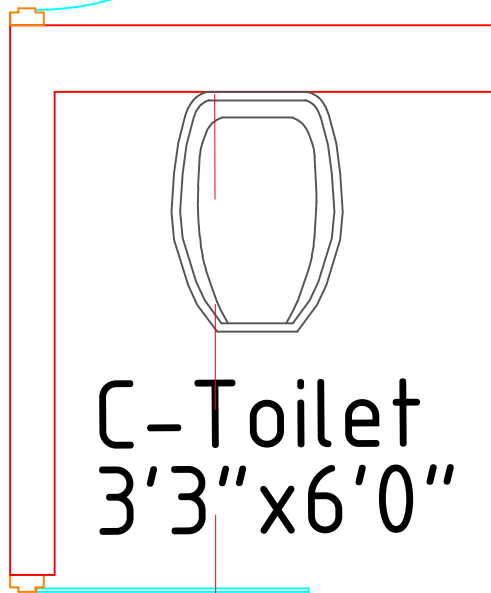
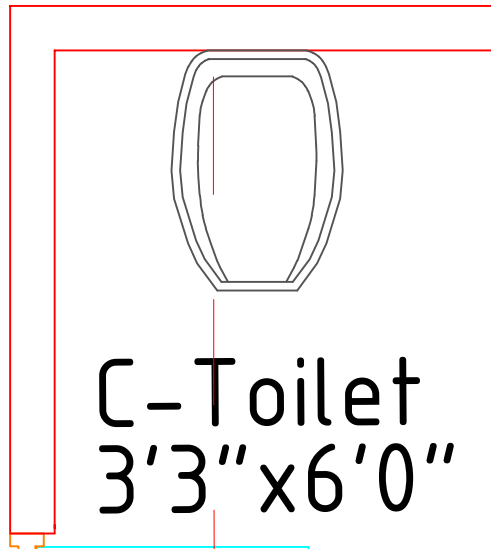
**PROPOSED TOILET**

**CLINIC**



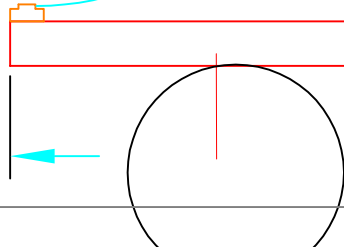


# Proposed Toilet behind Kitchen



.750 [2'-6"]

A dimension line with arrows at both ends. The left arrow points to a vertical line, and the right arrow points to the center of a circle. The text ".750 [2'-6"]" is written in purple next to the dimension line.



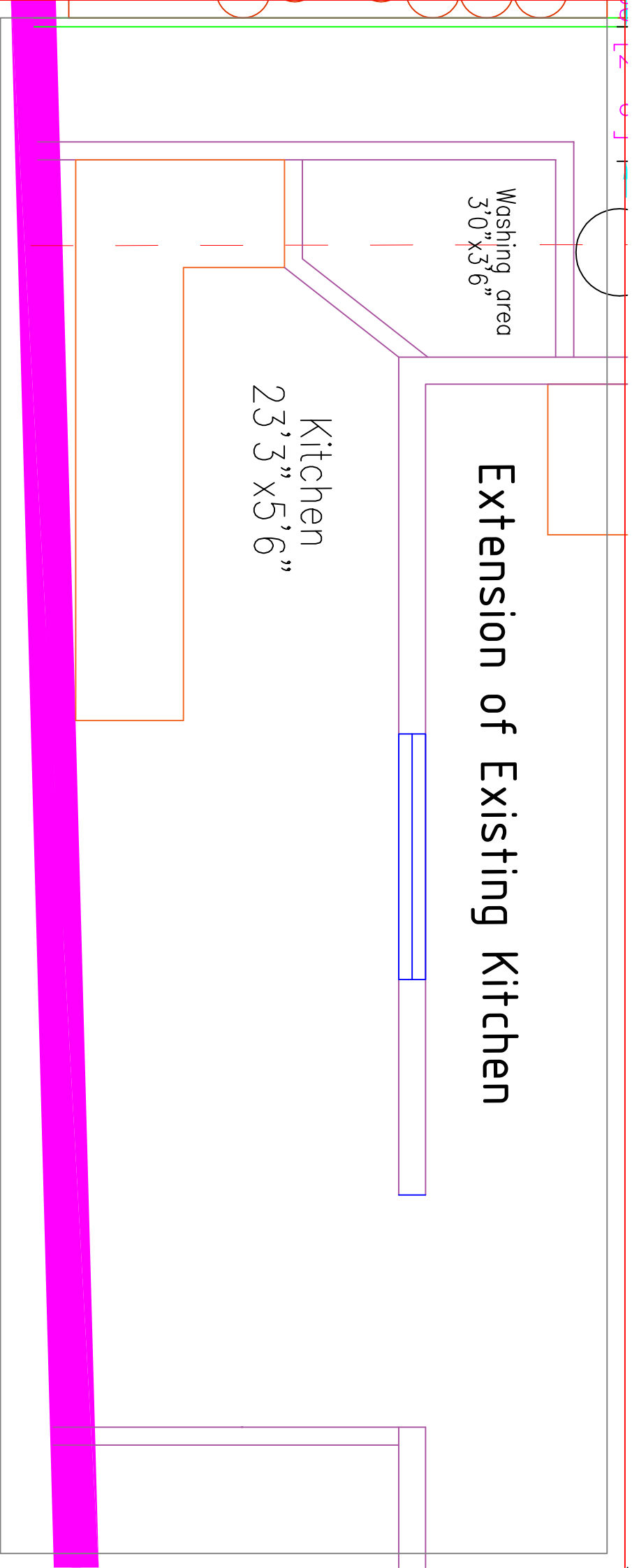
**VIEW - ADDITIONAL TOILETS**



Washing area  
3'0" x 3'6"

Kitchen  
23'3" x 5'6"

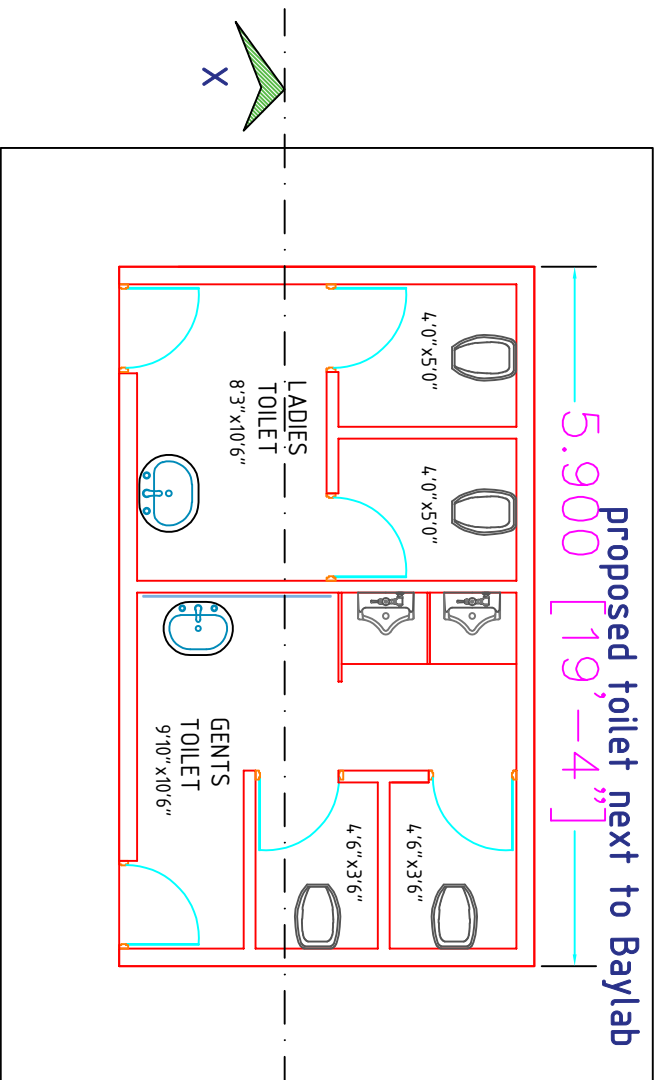
# Extension of Existing Kitchen



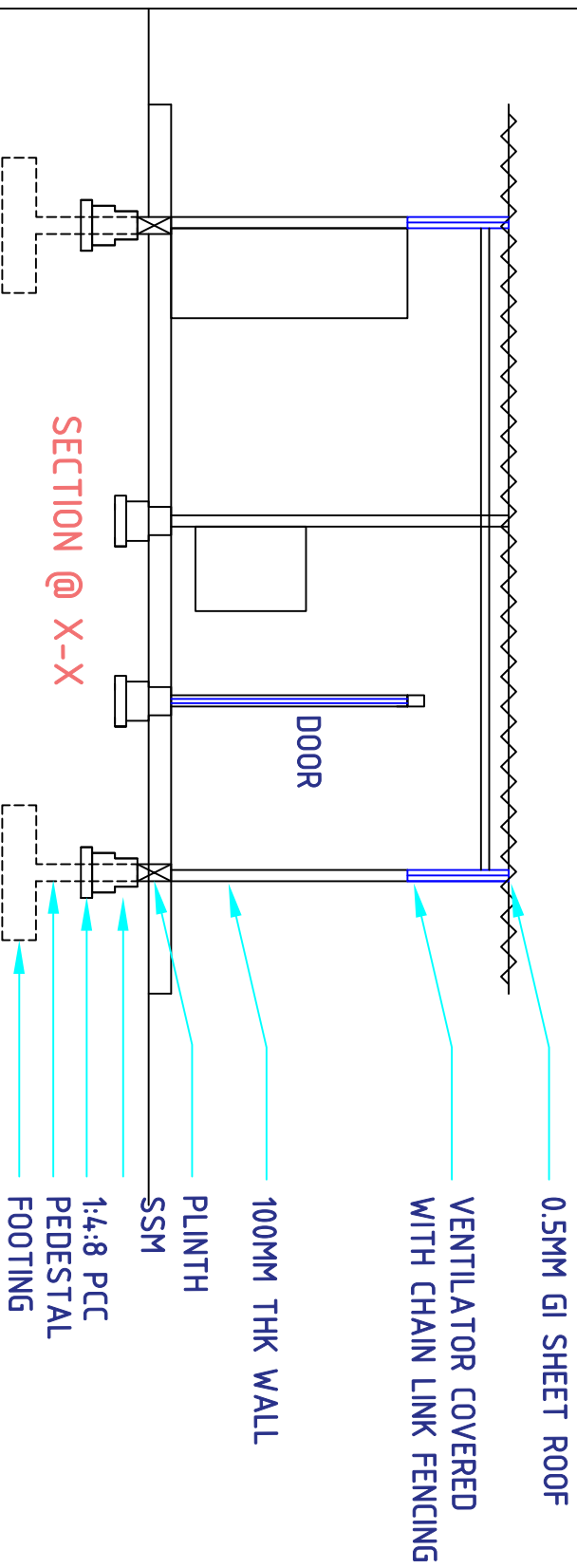


**WASH BASINE  
ARRANGEMENT**



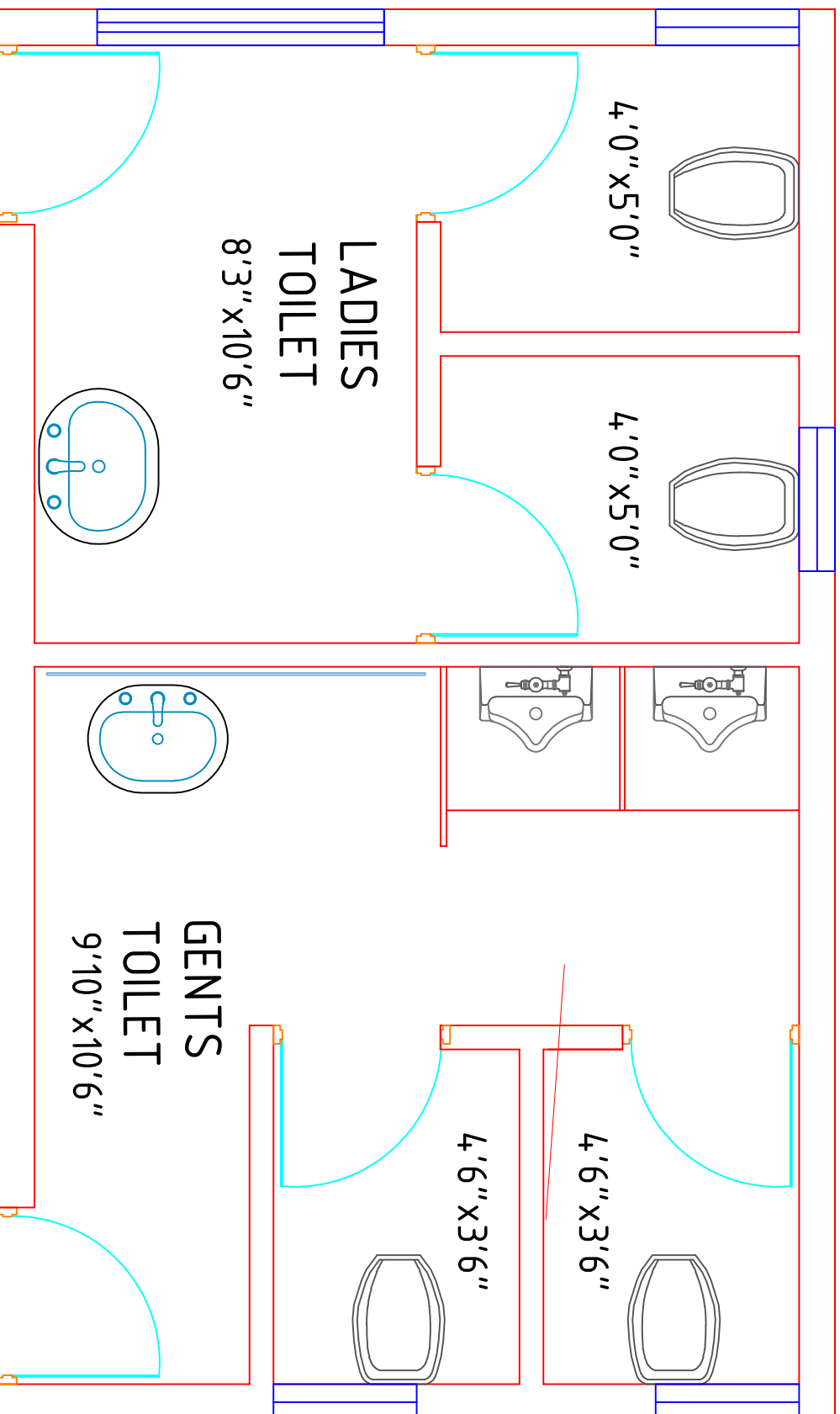


PLAN



# Proposed toilet next to Baylab

5.900 [19' - 4"]

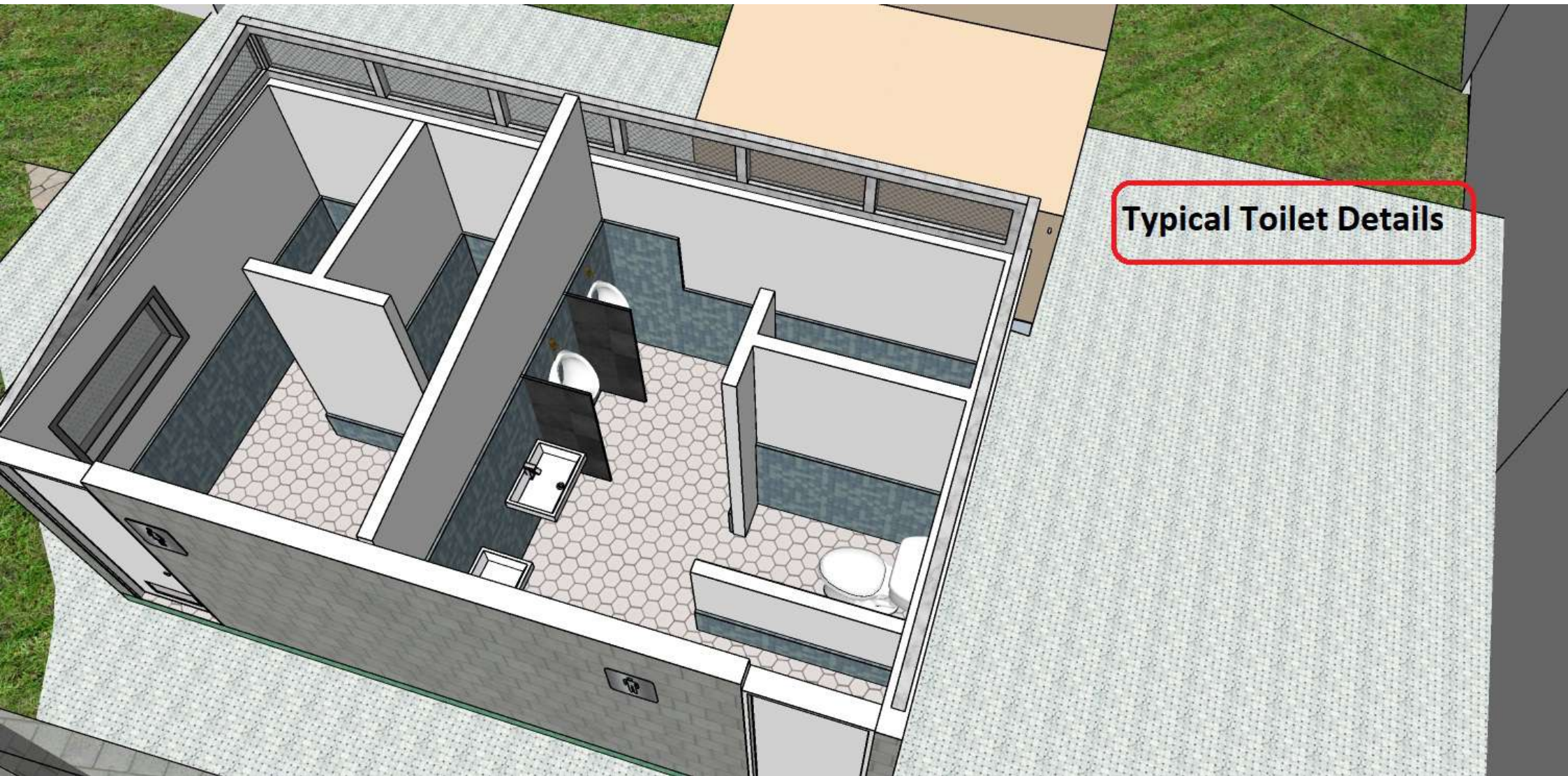


6"

**TOILET NEAR BAY LAB**







**Typical Toilet Details**