

INVITATION TO BID (ITB)

FOR

ECDC Center & Household Toilet Construction

THROUGH COMPETITIVE BIDDING

Issued by:

FH ASSOCIATION

House No # 2/B, Road # 04, Block # B, Banani, Dhaka-1213, Bangladesh.

Phone: +88 02 55034411, +88 02 55033640

Web: www.fh.org/our-work/countries/bangladesh/

Tender Ref. No:

FH/Prolog/Tender/2026/001

Issued on: 24.02.2026

Deadline for Submission: March 29, 2026.

Time: within 11.00am Bangladesh Standard Time (BST)

This ITB document contains the

- Tender Invitation
- Section 2: Bid Data sheet
- Section 3: FH Invitation to bid general terms-conditions & policies
- Section 4: Technical Description/ Specifications of the Bid/Goods
- Section 5: Bidding form
- Section 6: Pricing Proposal
- Section 7: Suppliers Acknowledgement
Trade License, VAT and TIN Certificates, NIDs

Sections highlighted in green must be completed by the bidder

SECTION-2
BID DATA
SHEET

1.BACKGROUND DATA

Tender Name: ECDC Center & Household Toilet Construction

This bid is issued by Food for the Hungry, FH Association, Bangladesh. Any correspondence can be addressed at the following address office.

FH Association (Food For The Hungry) Bangladesh

House No: 2/B (7th Floor), Road No: 4, Block: B, Banani, Dhaka-1213.

Or

Email: etender-fhb@fh.org

2. SCOPE OF SUPPLY:

The tender eligible for:

Description of the Service Items:

SL#	Name of Item	Total Quantity
1	<i>ECDC Center Construction Ukhiya, Cox's Bazar</i>	03
2	<i>ECDC Center Construction Tanore, Rajshahi</i>	06
3	<i>Household Toilet Construction Chapainawabganj, Rajshahi</i>	125

***FH Association has the right to add or deduct any quantity or items.**

3. SCHEDULE & DEADLINE FOR SUBMISSION:

Tender Publication Date	February 24, 2026
Start of Tender Submitting Date:	February 24, 2026
Pre-Bid Meeting Date and Time	March 01, 2026; 11:00am Microsoft Teams meeting Join: https://teams.microsoft.com/meet/24699502224610?p=pYQSmtWYpX3hLh4wG Meeting ID: 246 995 022 246 10 Passcode: da7ae99p
Tender Closing date and Time	March 29, 2026; 11:00am

Tender Opening Date and Time	March 29, 2026; 12:00pm Microsoft Teams meeting Join: https://teams.microsoft.com/meet/24699502224610?p=pYQSmtWYpX3hILh4wG Meeting ID: 246 995 022 246 10 Passcode: da7ae99p
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* All times are in the local time of Bangladesh.

a. MANNER OF SUBMISSION:

Please submit your bids in accordance with the requirements detailed below:

Venue of Dropping for Tender Documents: Tender will also be accepted through the mentioned email address:	Food For The Hungry (FH Association) Bangladesh, Country Office, Department: Procurement & Logistics Address: House # 2/B (7 th floor), Road # 04, Block # B, Banani, Dhaka 1213. Or E-mail: etender-fhb@fh.org
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4. LIST OF DELIVERY LOCATION:

Name of AP Office	Delivery Point
Ukhiya AP Office	Ratnapalong, Holdiapalong under Cox's Bazar District.
Tanore AP Office	Belonpara, Notipara, Kamargaon, Parishow, Jhinaikhor & Boidopur under Rajshahi District.
Chapainawabganj AP Office	Shajahanpur, Goabratola, Atahar & Jhilim under Chapainawabganj District.

5. ASSESSMENT CRITERIA:

The reward of the contract(s) will be based on the following:

Step 1: Administrative compliance check

Bidders must provide evidence of the following for their bid to be considered compliant:

- 1. All sections completed, signed and stamped**
- 2. A copy of their valid Update Trade License (Mandatory)**
- 3. A copy of their VAT Certificate**
- 4. A copy of their TIN Certificate business (Mandatory)**
- 5. A Copy of BIN Certificate (Mandatory)**
- 6. A copy of Tax Return Certificate**
- 7. Bank Statement & Bank Details.**

Step 2: Technical Evaluation

A Technical Evaluation of all bids received will be conducted to shortlisted bidders. Criteria that will be used to evaluate and score the bids are outlined in Section 3. FH may go for a sample test or factory visit if needed.

Step 3: Financial Evaluation

Price in comparison to FH established expectation and in comparison, to other bidders of comparable technical quality. FH Association reserves the right to award the tender or agreement in whole or in part or reject any bid and is not bound to accept the lowest offer.

SECTION-3

FH Invitation to Bid - General terms & conditions.

1. **SCOPE OF BID**

- 1.1. The tender/bid is based on the scope of the assignment as determined in the Bid Data Sheet (Section 2). The instructions to bidders should be read in conjunction with the Bid Data Sheet.
- 1.2. The successful Bidder / Tenderer will be required to complete the delivery of the goods and related services (when applicable) by the Intended Completion Date specified in the contract/PO to be signed.

2. **ELIGIBLE BIDDERS:**

- 2.1. A Bidder shall meet the following criteria to be eligible to participate in FH procurement:
 - the bidder, at the time of bid, is not:
 - i. insolvent.
 - ii. in receivership.
 - iii. bankrupt; or
 - iv. being wound up
 - All bidders should read, understand & acknowledge FH policies which attached to the annexures
 - The bidder has fulfilled his or her obligations to pay taxes and social security contributions. In a case where VAT is included in a bid, a copy of the VAT certificate must accompany the bid. A Bidder, and all parties constituting the Bidder including sub-contractors, shall not have a conflict of interest.
 - A Bidder whose circumstances in relation to eligibility change during a procurement process or during the execution of a contract shall immediately inform the FH Association.
 - FH reserves the right to refuse a bid at any time if the bidder or one of its sub -contractors provided material support or resources to any individual or entity that commits, attempts to commit, advocates, facilitates, or participates or is found guilty of fraud, active corruption, collusion, coercive practice, bribery, involvement in a criminal organization or illegal activity, or immoral human resources practices, including but not limited to: child labour, non-discrimination, freedom of association, payment of the legal national minimum wage, and forced labour.
 - Experience Criteria: At least 3 (three) years of overall experience in the supply of goods and related services.

3. **ONE BID PER BIDDER PER WORK**

- 3.1. Each Bidder shall submit only one Bid per contract. A Bidder who submits or participates in more than one bid per contract will cause all the bids with the Bidder's participation to be rejected. Also a bidder could participate for partial or product/service wise bid.

4. **COST OF BIDDING**

- 4.1. The Bidder shall bear all costs associated with the preparation and submission of his Bid, and the FH Association shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

5. **OBTAINING AND COMPLETING BIDDING DOCUMENTS**

- 5.1. The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the bid.

6. **PRE-BID MEETING:**

6.1. A Pre-Bid meeting will be held (as mentioned above) in the FH Country Office with the interested suppliers/ Vendors/ Providers for the clarification of the specifications of the Goods/ Products or others

Join Microsoft Teams meeting

Join: <https://teams.microsoft.com/meet/24699502224610?p=pYQSmtWYpX3hILh4wG>

Meeting ID: 246 995 022 246 10

Passcode: da7ae99p

7. **CLARIFICATION OF BIDDING DOCUMENT**

7.1. A prospective Bidder requiring any clarification of the Bidding Documents shall contact the FH Association in writing. The FH Association will respond in writing to any request for clarification before the deadline for clarification of bids. The FH Association shall forward copies of its response to all Bidders who have acquired the Bidding Documents, including a description of the inquiry but without identifying its source.

8. **AMENDMENT OF BIDDING DOCUMENT**

8.1. At any time, prior and until 48 hours prior to the deadline for submission of bids, the FH Association may amend or cancel the Bidding Document by informing the bidders in writing or in public notice.

8.2. To give prospective Bidders reasonable time in which to take an amendment or cancellation into account in preparing their bids, the FH Association can, at his discretion, extend the deadline for the submission of bids.

9. **LANGUAGE OF BID**

9.1. The bid, as well as all correspondence and documents relating to the bid shall be written in English.

9.2. Supporting documents and printed literature that are part of the bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Bid, such translation shall govern.

10. **DOCUMENTS COMPRISING THE BID**

10.1. The bid submitted by the Bidder shall comprise the following:

- Signed and stamped Contractor's bid
- Any other information and documents requested.
- Pricing proposal
- Additional information on specification of Goods
- Signed and stamped Supplier Acknowledgement in **Section :7**

10.2. All forms must be completed without any alterations to the format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

11. **BID PRICE FOR SUPPLY CONTRACT**

11.1. Bid prices are for the complete quantity of items required; the quantity in each category of items cannot be reduced.

11.2. Items for which no rate or price is entered by the Bidder will be as not quoted.

11.3. Unless otherwise specified in Section 2 - the Bid Data Sheet, all duties, taxes, and other levies payable by the contractor/supplier under the contract, shall be included in the total bid price submitted by the bidder. v

11.4. For bidder subject to VAT & Tax it should be mentioned in the offers

11.5. The Bidder is reminded that it is entirely his responsibility to ensure the accuracy of his bid. No alteration will be made to the bid after its submission on the grounds of any arithmetic errors subsequently discovered.

Note: All bidders must provide the price considering the Drawing, Design & specification.

12. **CURRENCIES OF BID AND PAYMENT**

All prices shall be quoted by the Bidder in BDT, unless otherwise stated. Similarly, all payments will be made in BDT.

FH Association standard payment terms are within 30 days after the satisfactory implementation and receipt of products through account payee cheque.

13. **BID VALIDITY**

13.1. **Bids shall remain valid for a period of 90 days after the date of the bid submission deadline as prescribed by FH Association.**

13.2. **In exceptional circumstances, prior to the expiration of the bid validity period, the FH Association may request Bidders in writing to extend the period of validity of their bids. A Bidder must confirm in writing his acceptance of the extension. In case of extension, modification of the bid is not permitted.**

14. **ALTERNATIVE BIDS**

14.1. Bidders shall submit offers that comply with the requirements of the bidding documents, including the basic technical design as indicated in the drawings and specifications. Alternative bids shall not be considered unless otherwise indicated.

15. **FORMAT AND SIGNING OF BID**

15.1 The Bidder shall prepare one set of bid documents per tender that he wishes to bid for. The bidder should hold a copy of the documents with himself, for reference purposes.

16. **SEALING AND MARKING OF THE BID**

The Bidder shall enclose the bid for each tender in a plain envelope securely sealed or on etender-fhb@fh.org

16.1. The envelopes shall:

- (a) be addressed to the Procurement & Logistics Department, Food for The Hungry, FH Association, in the location specified in Section 2 – the Bid Data Sheet; for email, there must be a subject line.
- (b) Bear the Contract number
- (c) No other markings should be on the envelope

17. **DEADLINE FOR SUBMISSION OF BIDS**

17.1. Bids must be received by the FH Association at the address given and no later than the date and time indicated in Section 2 - the Bid Data Sheet.

18. **LATE BIDS**

18.1. FH Association shall not consider any bid that arrives after the deadline for submission as in Section 2 – the Bid Data Sheet. Any bid received by the FH Association after the deadline for submission of stipulated bids shall be declared late and rejected.

19. **DEADLINE FOR SUBMISSION OF BIDS**

19.1 Bids must be received by the FH Association at the address given and no later than the date and time indicated in Section 2 - the Bid Data Sheet.

20. **WITHDRAWAL AND REPLACEMENT OF BIDS**

20.1. A Bidder may withdraw or replace its bid after it has been submitted at any time before the deadline for submission of bids by sending a written notice, signed by an authorized representative. Any corresponding replacement of the bid must accompany the respective written notice.

20.2. After the opening of bids, modifications to bids must be documented and any discussions reported in writing. A bid may be withdrawn at any stage, with written notice.

21. **CONFIDENTIALITY**

21.1. Information relating to the examination, evaluation, comparison, and post-qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until information detailing the best evaluated Bidder is communicated to all Bidders.

21.2. Any effort by a Bidder to influence the FH Association in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its bid.

21.3. From the time of bid opening to the time of Contract award, if any Bidder wishes to contact with FH Association on any matter related to the bidding process, it should do so in writing.

22. **CLARIFICATION OF BIDS**

22.1. FH Association may, at its discretion, ask any Bidder for clarification of its Bid. The FH Association's request for clarification and the response shall be in writing. Any clarification submitted by a Bidder that is not in response to a request by the FH Association shall not be considered. All requests for clarifications shall be copied to all bidders for information purposes. No change in the price or substance of the bid shall be permitted, except to confirm the correction of errors.

23. **BIDS VALIDATION**

23.1. The FH Association's determination of a Bid's validity is to be based on the contents of the bid itself, which cannot be corrected if determined to be invalid.

23.2. A valid bid is one that complies with all the terms, conditions, and specifications of the Bidding Document, without deviation or omission.

24. **EVALUATION OF BID**

24.1. FH Association shall examine the legal documentation and other information (assessment criteria) submitted by Bidders to verify eligibility and then will review and score bids according to the following criteria.

- Competitive Price,
- Overall timeframe for the delivery of the requested goods,
- Accurate calculations,
- Previous reputation, and performance of supplier,
- Thoroughness of quotation preparation,
- Adherence to FH Association's policies.

24.2. FH Association reserves the right to make an award based solely on the quotations received, to modify the requirements prior to awarding, or to negotiate further with one or more suppliers. FH Association reserves the right to award a contract to the supplier who, in their sole opinion, provides the best combination of cost and quality benefits.

24.3. Anti-money laundering, anti-bribery, anti-corruption, and anti-terrorism legislation applicable in some jurisdictions may require FH Association to verify the identity of the bidder prior to financial transactions. FH Association reserves the right to use online screening tools to check the bidder's record with regard to their possible involvement in illegal or unethical practices.

24.4. The FH Association reserves the right to reject all bids, and re-tender if no satisfactory bids are submitted.

25. **AWARD PROCEDURE**

- 25.1. The FH Association shall award the bid in writing, with an award letter, to the Bidder whose offer has been determined to be the best, before the end of the bid validity period
- 25.2. Any bidder who has not been awarded a contract will be notified in writing.
- 25.3. Until a formal PO is prepared and executed, the Award Letter shall constitute a binding agreement between the bidder and FH Association.

The Bidder is thereafter required to submit a Letter of Acceptance, confirming their wish to proceed with for PO.

26. **SIGNING OF CONTRACT**

- 26.1. Upon receipt of the Letter of Acceptance, the FH Association shall call the successful Bidder to sign the PO.
- 26.2. Within an agreed timeframe, the successful Bidder shall sign, date, and return the PO to the FH Association.

SECTION-4
**TECHNICAL DESCRIPTION OF THE
GOODS**

Food for the Hungry (FH Association) Bangladesh is undertaking this Bid Process to have supply of these materials through the PO and subject to extension of both parties agreed:

Categories of Items	Quantity	Specifications
ECDC Center Constructions- Ukhiya, Cox's Bazar	03	As per Drawing, Design, BOQ & Specification Annex-A
ECDC Center Constructions- Tanore, Rajshahi	06	As per Drawing, Design, BOQ & Specification Annex-B
Household Toilet Construction- Chapainawabganj	125	As per Drawing, Design, BOQ & Specification Annex-C

- **Items should be delivered to different areas as mentioned (in Article 4).**
- **The packaging is subject to the requirement and quantity of items.**

FH Association will place Purchase Orders (POs) as and when we require one or multiple items in the agreed list of items.

Please submit the following Documents along with the bids (these are mandatory submissions – if the following mentioned documents are not submitted then the bid might be disqualified)

- **Sections 5-7 completed, signed and stamped.**
- **A copy of Trade License (Mandatory)**
- **A copy of their valid BIN (Mandatory)**
- **A copy of their VAT Certificate license**
- **A copy of their TIN business license (Mandatory)**
- **Tax Return Certificate (Mandatory)**
- **Bank Statement & Bank Details (Mandatory)**

FH Association will pay through A/C Payee Cheque after the Items mentioned in the POs are delivered and correct invoices are submitted to FH Association, Country Office.

FH Association shall deduct VAT & TAX as per govt. policy if applicable and will deposit the deducted tax to the designated Government Bank & will provide the challan (receipt) to the service provider within 30 Days.

**SECTION 5:
BIDDING
FORM**

Please provide information against each requirement.

Additional rows can be inserted for all questions as necessary. If there is insufficient space to complete your answer in the space provided, please include on a separate attachment with a reference to the question.

1. Bidder's General Business Details

a) General information

Company name:	
Any other trading names of company:	
Registered name of company (if different):	
Nature of primary business/trade:	
Primary contact name:	
Job title:	
Phone:	
Email:	
Registered Address:	
Business license number:	
Country of registration	
Registration date:	
Expiry date:	
Legal status of company (e.g. partnership, private limited company, etc.)	

b) Owners/Managers

Please fill in the table below with the full names and the year of birth of the company's owner(s) and manager(s)*:

Full name	Residential Address	Year of birth

** Please note this information is necessary in order to conduct the vetting procedure referred to in clause 25 of the Invitation to Bid-General Terms and Conditions.*

c) Employees

Please list the employees who would be involved with FH Association in the event of contract award:

Employee name	Job title	Role on FH	Phone	Email
1.				
2.				
3.				

d) Company bank account details:

Beneficiary name:

Beneficiary account no
 Beneficiary Bank:

Bank branch:

Bank address:

2. References

Please provide details of at least 3 client references whom FH may contract, agencies, for similar related works:

Client/company name	Contact person	Phone	Email	Contract details (works, location, size, value, etc)
1.				
2.				
3.				

3. Bid Validity

Please confirm the validity of your bid below (in calendar days): (FH expects the bid to be valid for a period of 90 days), If any option arises to make a framework agreement choose the option below:

- a) In the event of a contract award, please confirm you are willing to enter into a fixed price agreement with FH Association.
 - Yes
 - No

4. Confirmation of Bidder's compliance

We, the Bidder, hereby certify that our Bid is a genuine offer and intended to be competitive and we confirm we are eligible to participate in public procurement and meet the eligibility criteria specified in the Invitation to Bid. We confirm that the prices quoted are fixed and firm for the duration of the validity period and will not be subject to revision or variation.

The following documents are included in our **Bid**: (please indicate which documents are included by ticking the boxes below).

Documents	Included
Section 5: Bidding form; completed, signed and stamped	<input type="checkbox"/>
Section 6: Pricing Proposal; completed, signed and stamped	<input type="checkbox"/>
Section 7: Additional Information on Specifications of Goods; completed, signed and stamped	<input type="checkbox"/>
Section 8: Supplier's Acknowledgement	<input type="checkbox"/>
Copy of valid business license, VAT Certificate, TIN Certificate and NIDs of the Proprietor/Partners	<input type="checkbox"/>

We understand that FH Association is not bound to accept the lowest, or indeed any bid, received. We agree that FH Association may verify the information provided in this form itself or through a third party as it may deem necessary.

We confirm that FH may in its consideration of our offer, and subsequently, rely on the statements made herein.

Name of Signatory:	Mobile No:
Title of Signatory:	Name of Company:
Signature & stamp:	Date of Signing:
	Address:

**SECTION 6:
BIDDING
FORM**

FH Note:

1. Please mention all the items that you can provide they should be packaged in your stock of All the available different brands, weight, sizes and rates; FH Association is looking for Items that has govt. approval.
2. Please fill in all the sections:
 - 2.1. Item Description Means the Common name the item is known as or what is written on the Packet
 - 2.2. Brand/Company – Name of the Company/Brand the item.
 - 2.3 Weight/Size of the items must be mentioned
 - 2.4 Must be mentioned if any other specification contains for items to identify the items
3. Delivery in FH Area Program Offices.
4. Vat & Tax (as per Govt. Rules) & Transportation and other relevant costs should be mentioned in the final price

S/N	Items Description	UoM	Qty	Unit Cost	Total Cost	Remarks
1.		Pcs.				
2.		Pcs.				
3.		Pcs.				

Mention Delivery Time (in calendar days): The order quantity would single or multiple as per requirement of FH through the PO with you.

Days:

Note: Sample will have to be delivered free at FH's Mentioned Locations.

We understand that you are not bound to accept the lowest or any bid received.

Name of Signatory:	Mobile No:
Title of Signatory:	Name of Company:
Signature:	Date of Signing:

SECTION: 7

Supplier's Acknowledgement

- *Code of Conduct*
- *Anti-Harassment*
- *Safeguarding*
- *Whistleblower Policy*

I, _____ agree to follow the spirit and intent of Food for the Hungry's Global Code of Conduct, Safeguarding Policy, Anti-Harassment Policy. Also agreed to work with them by following the policy procedures. Even compliance with all applicable laws and regulations and meet the ethical standards as listed above, or positively agree to these ethical standards and are willing to go forward with this organization.

Misrepresentation above may result in cancellation and severing all ties with the agency/person and will be delisted from FH's database of suppliers. I have understood all the policy statement and certify under oath that the information contained herein is true and accurate to the best of my knowledge and belief.

- ***CERTIFICATION REGARDING TERRORISM: Seller hereby certifies that it has not provided and will not provide material support or resources to any individual or organization that it knows, or has reason to know, is an individual or organization that advocates, plans, sponsors, engages in, or has engaged in an act of terrorism.***

We, the undersigned, verify that,

DATE: _____

NAME OF SUPPLIER/COMPANY: _____

NAME OF REPRESENTATIVE: _____

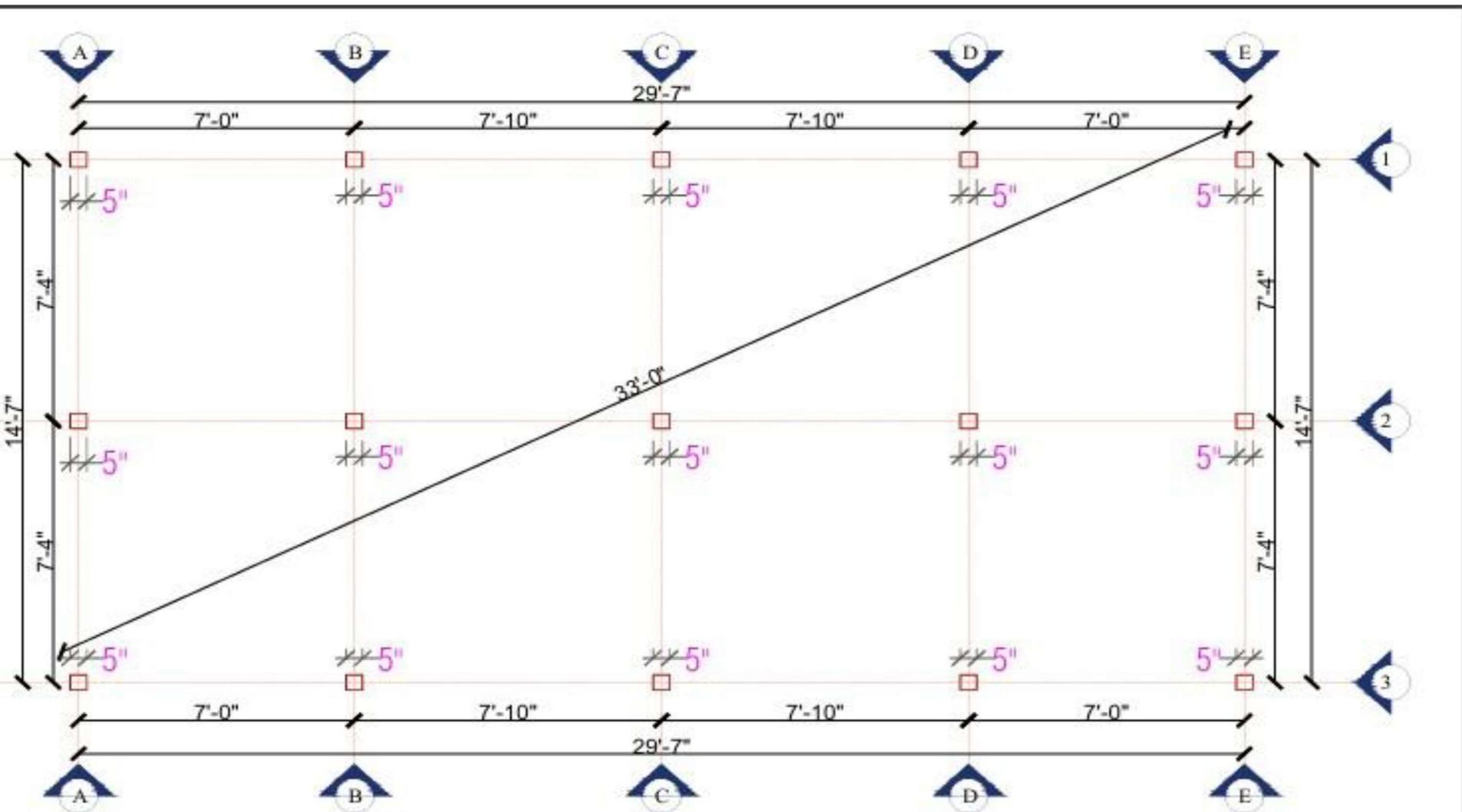
SIGNATURE: _____

COMPANY STAMP: _____

Annex-A (Attached)

Annex-B (Attached)

Annex-C (Attached)




LAYOUT PLAN
 SCALE: 1:100

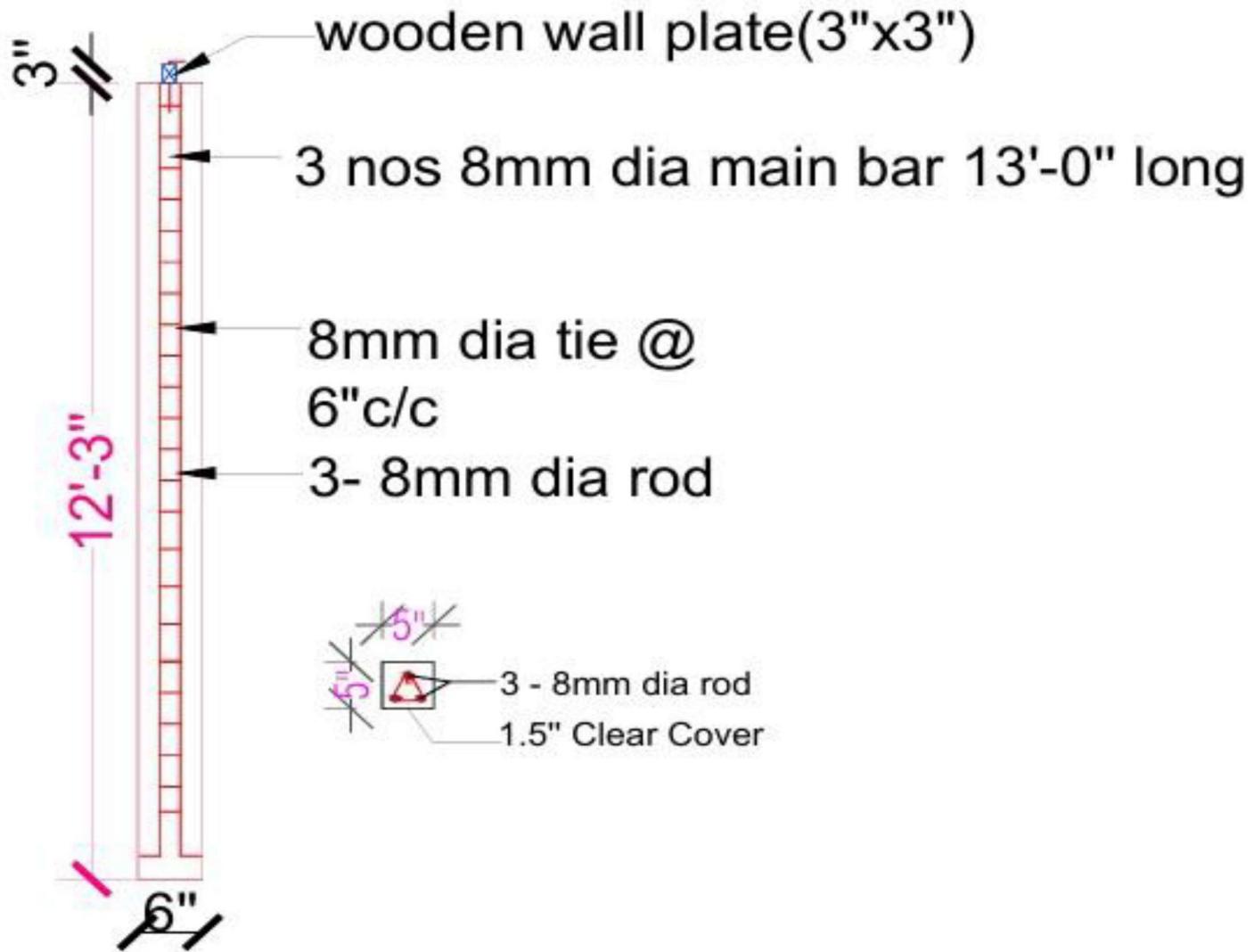
Program	NAME OF WORKS	ADDRESS	
	Construction of New Early Child Development Center		
	DATE: 16-Nov-2025		



FRONT ELEVATION OF CHILD DEVELOPMENT CENTER
SCALE - 1:100

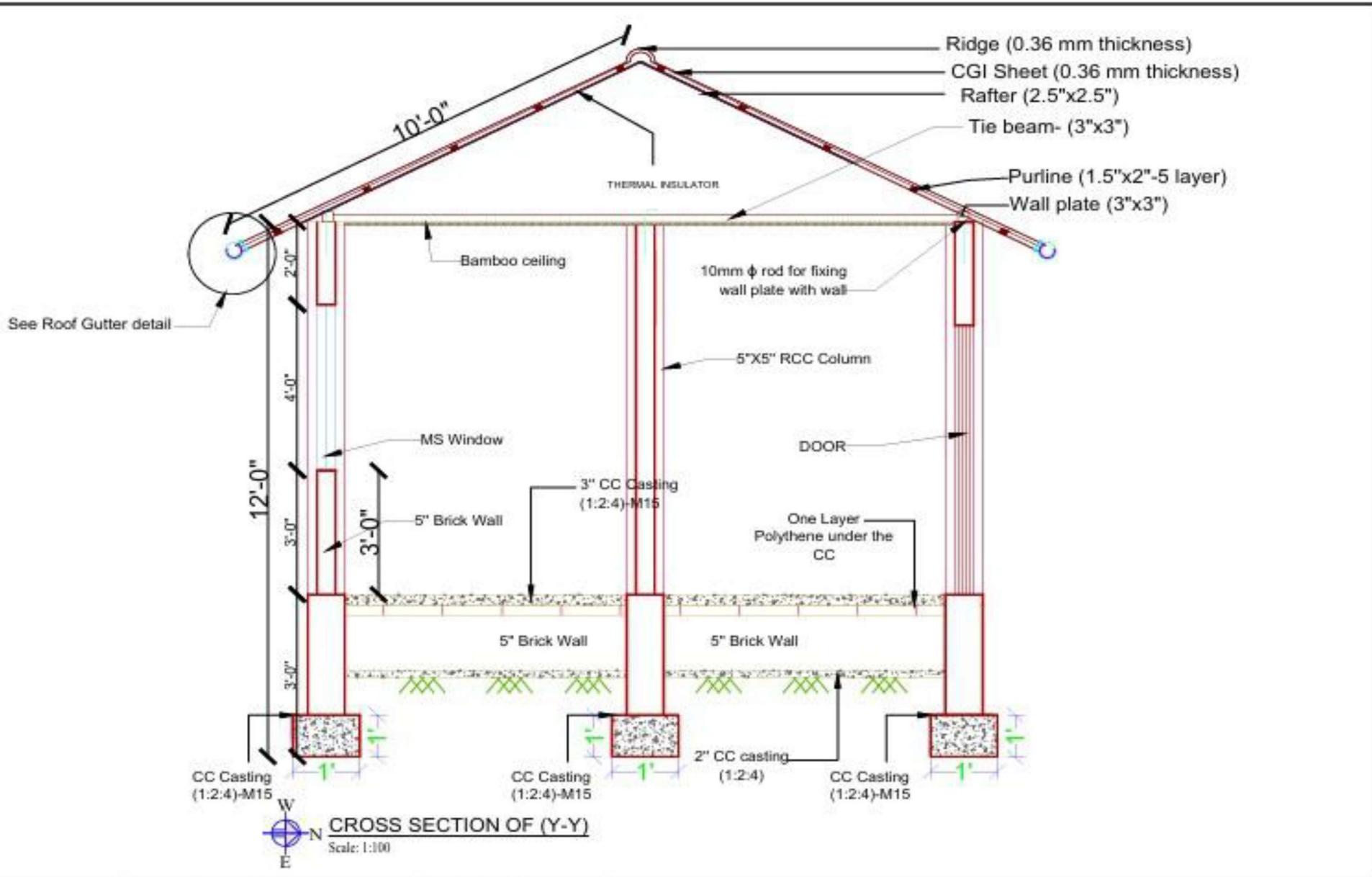
	NAME OF WORK	ADDRESS
Program	Construction of New Early Child Development Center	
5/15	DATE	18-Nov-2025



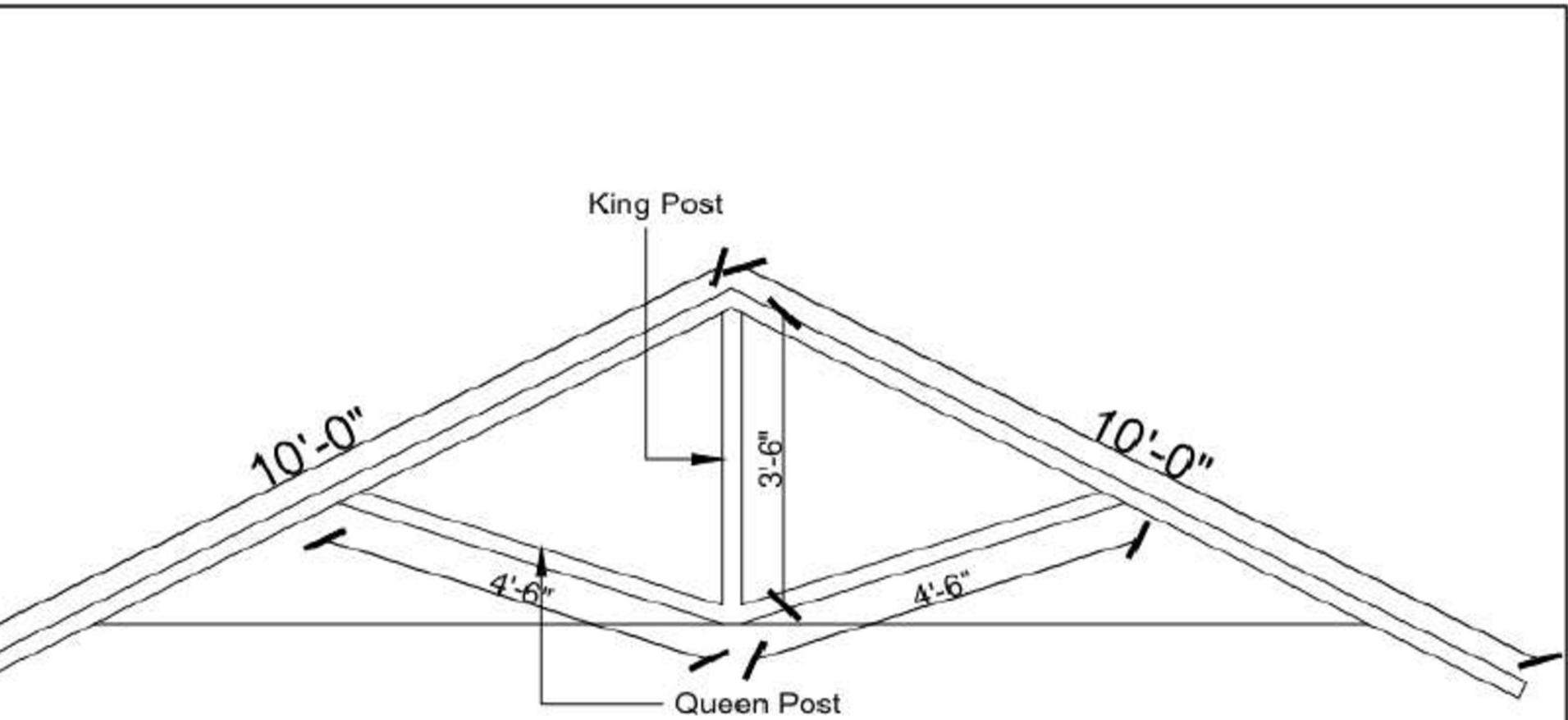


RCC Column section Details (5"X5")

	NAME OF WORKS	ADDRESS	
Program	Construction of New Early Child Development Center		
DATE:	16-Nov-2025		

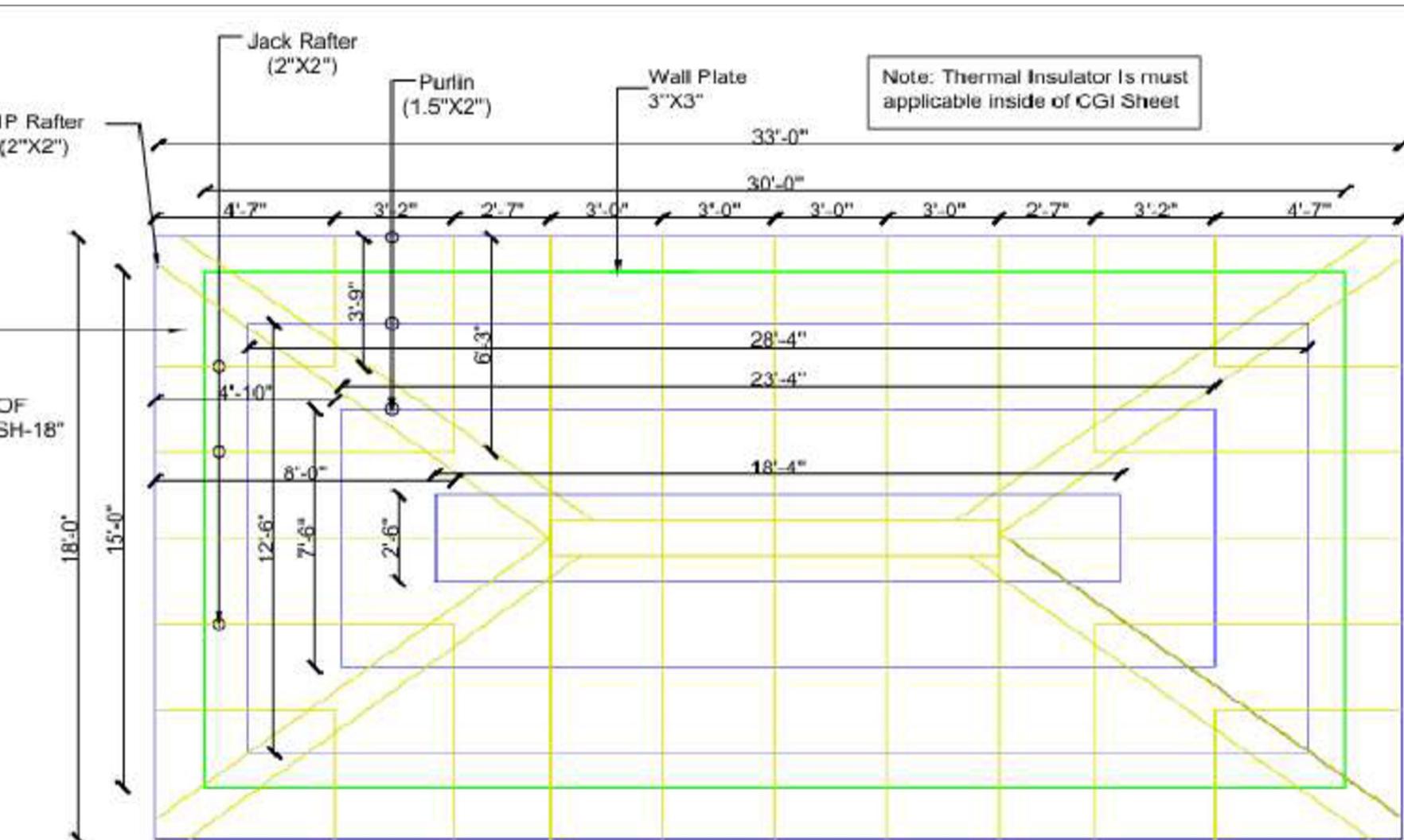


Program	NAME OF WORKS Construction of New Early Child Development Center	ADDRESS	
15	DATE: 16-Nov-2025		



Details of Wooden Truss
 Scale: 1:100

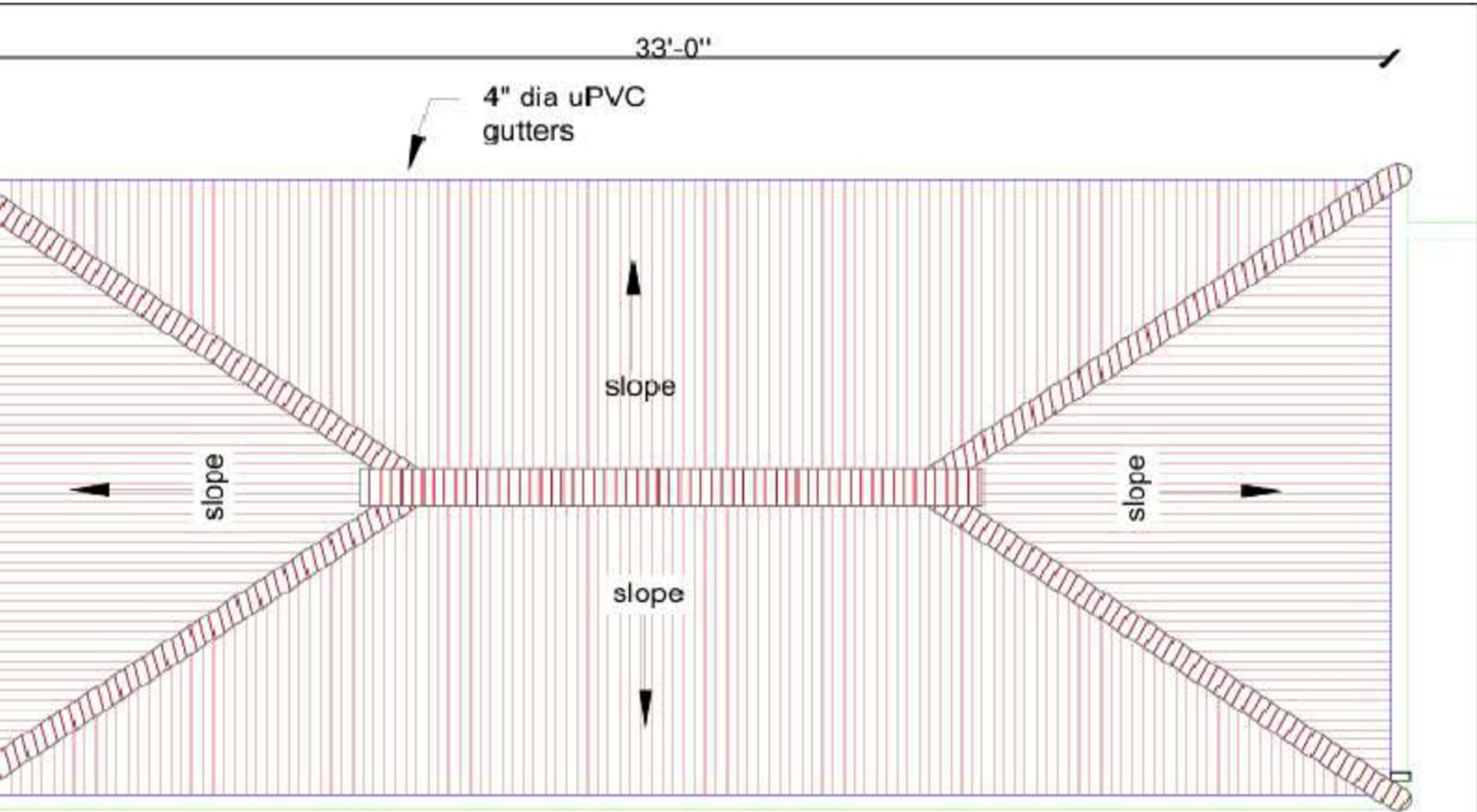
Program	NAME OF WORKS	ADDRESS	
	Construction of New Early Child Development Center		
DATE:	16-Nov-2025		



Room Roof Fabrication Details
 Scale: 1:100

NAME OF WORKS	Construction of New Early Child Development Center
	DATE: 16-Nov-2025
ADDRESS	

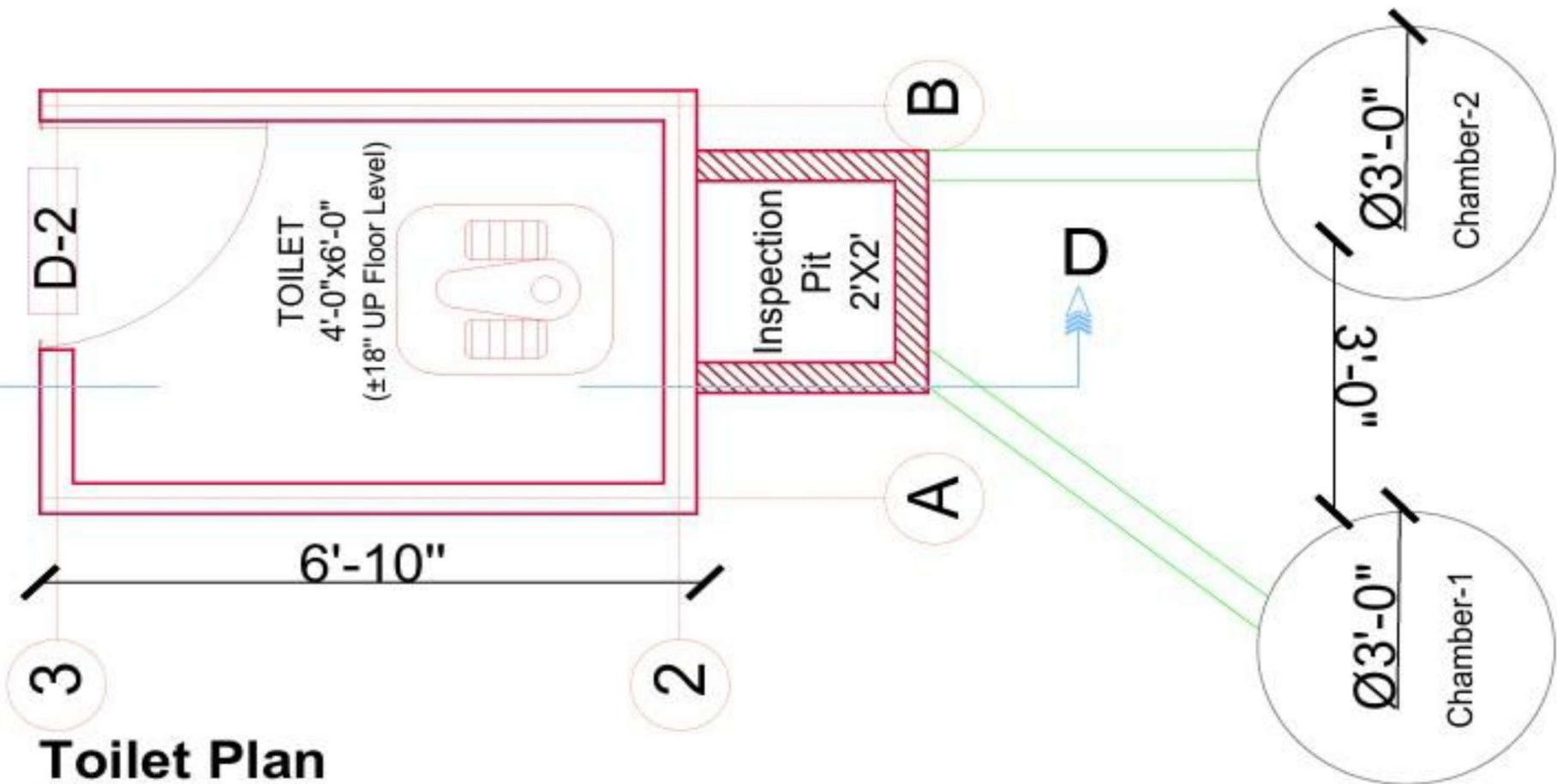




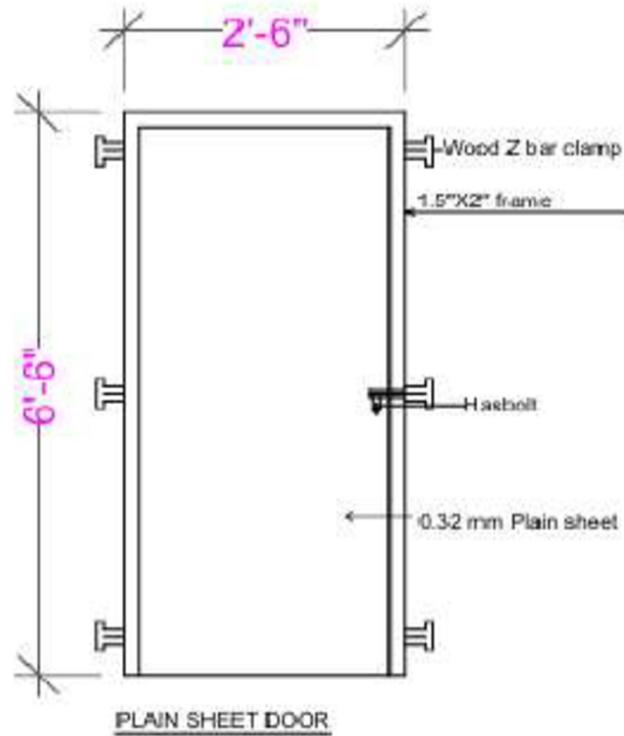
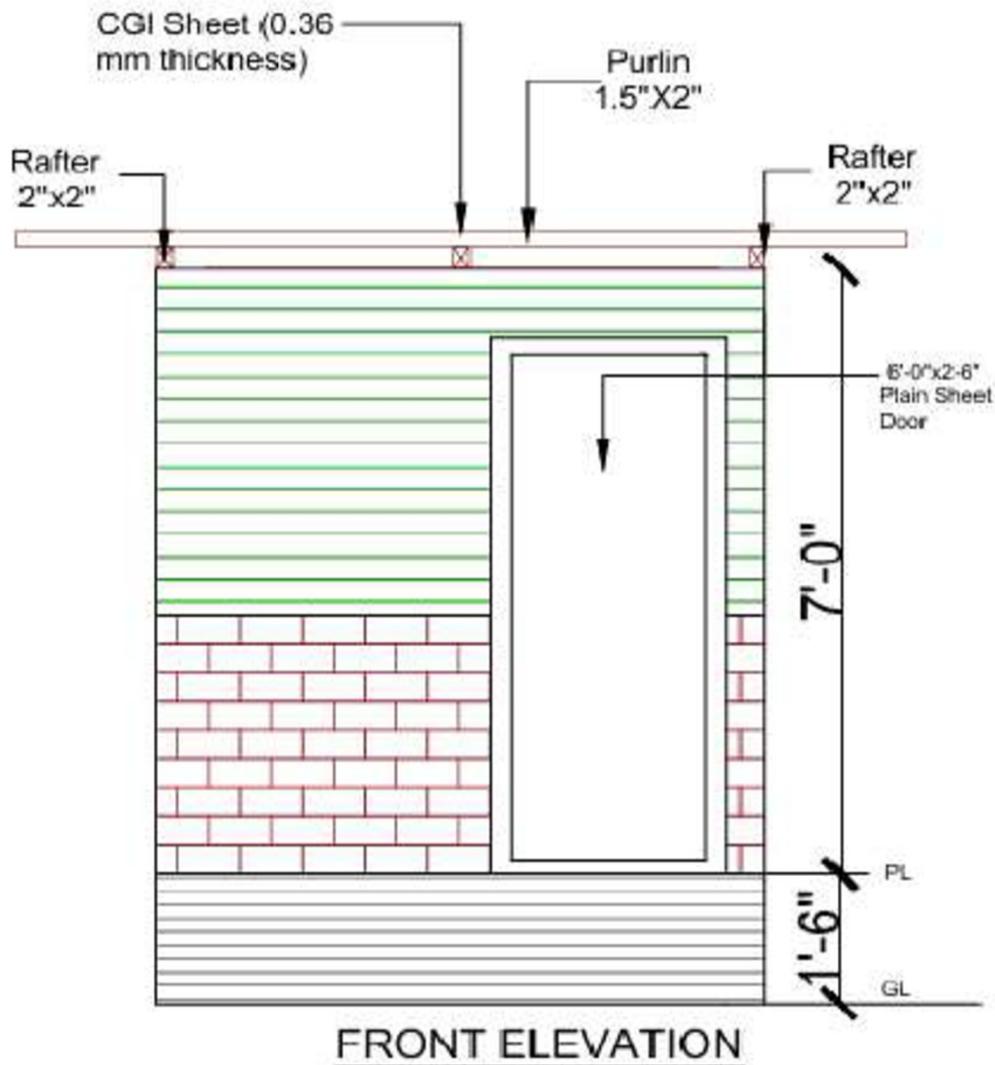

Roof Top View
 Scale: 1:100

am	NAME OF WORKS	ADDRESS
	Construction of New Early Child Development Center	
DATE:	16-Nov-2025	





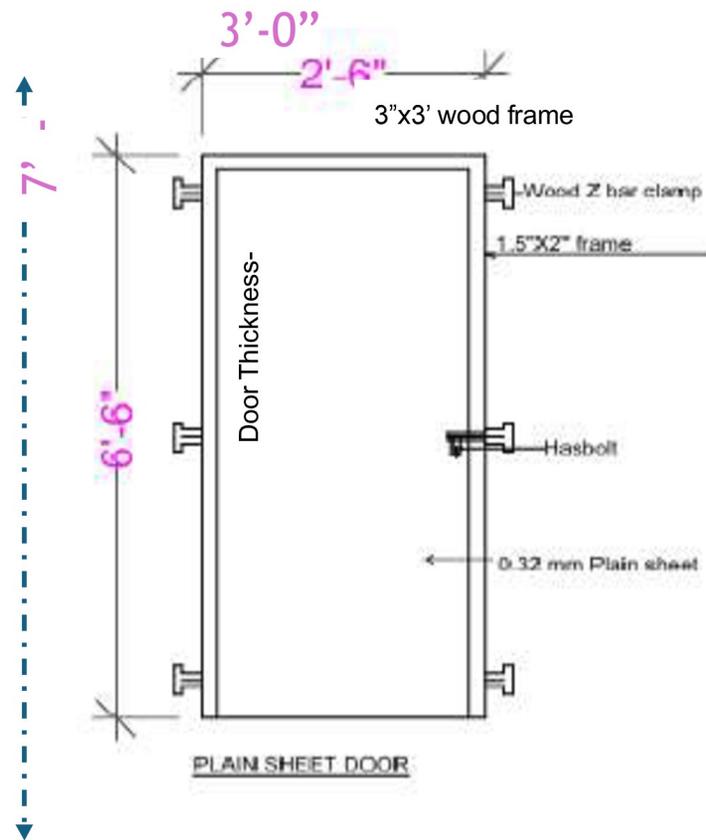
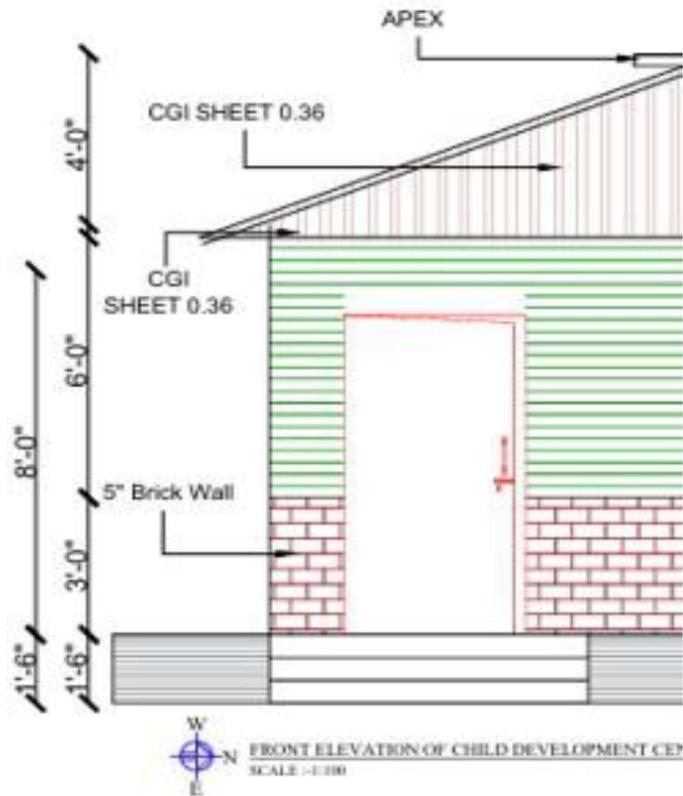
	NAME OF WORKS	ADDRESS	
Program	Construction of New Early Child Development Center		
5	DATE: 16-Nov-2025		



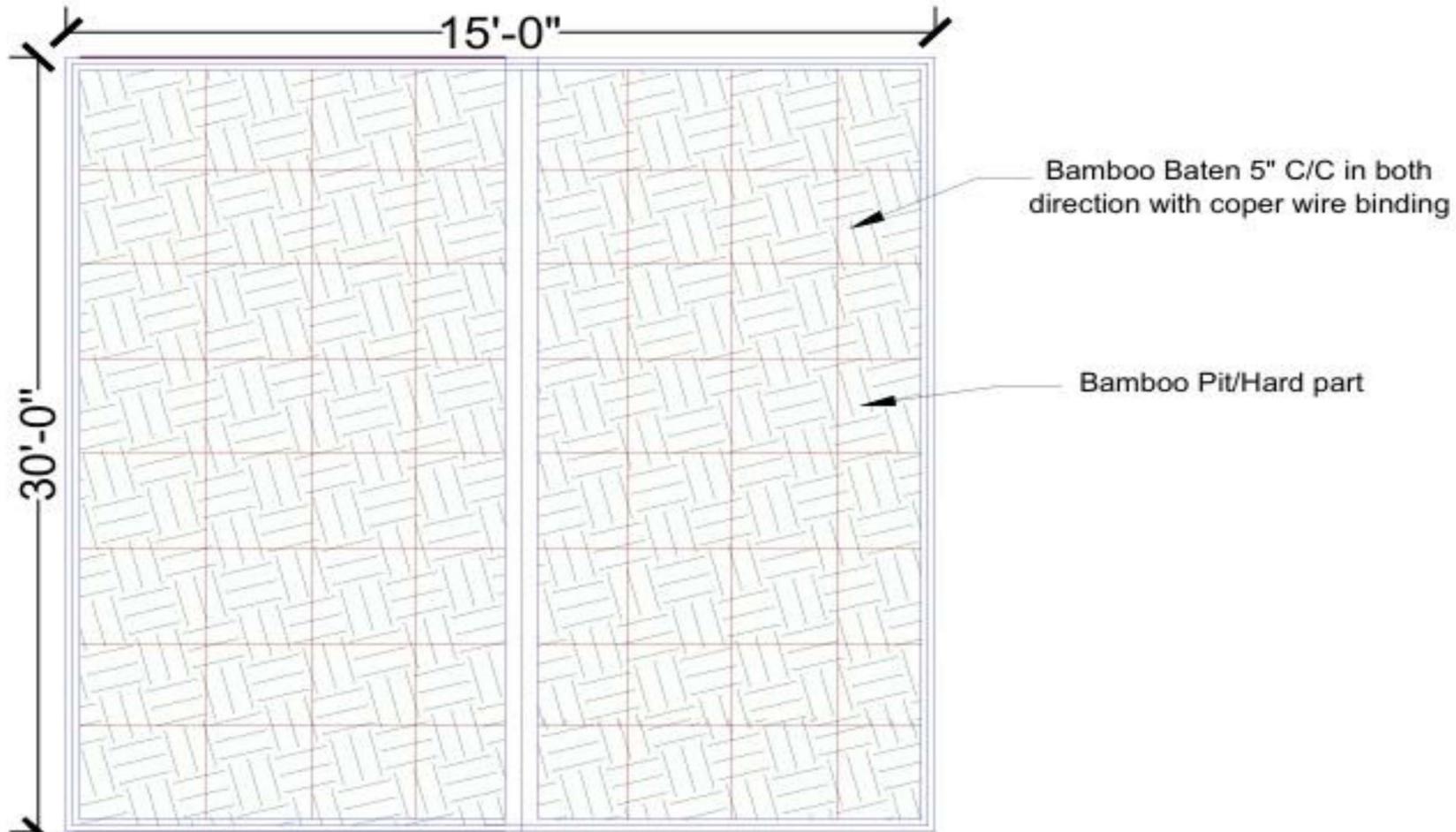
NAME OF WORKS	ADDRESS
Construction of New Early Child Development Center	
DATE: 16-Nov-2025	



Wooden Door For ECDC



Program	NAME OF WORKS		ADDRESS	
	Construction of New Early Child Development Center			
	DATE:	16-Nov-2025		



Bamboo ceiling
No Scale

Program	NAME OF WORKS	ADDRESS	
	Construction of New Early Child Development Center		
DATE:	16-Nov-2025		

Drawing & Design

SL	CONTENT SHEET	SHEET NO
1.	CONTENT SHEET & GENERAL INFORMATION SHEET	1,2
2.	FLOOR PLAN & LAYOUT PLAN	3,4
3.	FRONT SIDE VIEW & DETAILS	5
4.	LONG SECTION & DETAILS	6
5.	5"X5" RRC COLUMN DETAILS	7
6.	CROSS SECTION & DETAILS	8
7.	WOODEN TRUSS DETAILS	9
8.	ROOF FABRICATION DETAIL	10
9.	ROOF TOP VIEW	11
10.	TOILET PLAN & DETAILS	12,13,14
11.	BAMBOO CEILING DETAILS	15

	NAME OF WORKS	ADDRESS	
Program:	Construction of New Early Child Development Center		
1/15:	DATE: 15-Nov-2025		

A. GENERAL NOTES

1. READ THIS DRAWINGS IN CONJUNCTION WITH ARCHITECTS' AND OTHER ENGINEERS' DRAWINGS AND SPECIFICATIONS, AND SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.
2. NORTH DIRECTION COULD BE CHANGE AS PER LOCATION AND PLACES
3. TOILET ALLOCATION WILL DEPENDS ON SITE CONDITION AND AVAILABILITY OF LAND
4. ALL DIMENSIONS ARE IN FEET UNLESS STATED OTHERWISE.
5. ALL DIMENSIONS SCALED IN THE DRAWINGS. (1:100)
6. THERMAL INSULATOR 6MM MUST USE INSIDE OF TALLY TIN
7. USE CGI SHEET- 0.36 MM
8. VERIFY ALL SETTING OUT DIMENSIONS WITH THE ENGINEER/ARCHITECT
9. REFER ANY DISCREPANCY TO ENGINEER/ARCHITECT BEFORE PROCEEDING WITH THE WORK.
10. CHECK ALL DIMENSIONS BEFORE STARTING WORK.
11. ALWAYS REFER ADDITIONAL NOTES PROVIDED IN THE DRAWINGS.
12. UNLESS OTHERWISE INDICATED, DETAILS SHOWN ARE TO BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.NO FRAMING OR STRUCTURAL MEMBERS ARE TO BE MODIFIED, NOTCHED, OR CUT WITHOUT THE APPROVAL OF THE ENGINEER.
13. FIRST CLASS BRICKS SHALL BE KILN-BURNT, WELL-SHAPED, UNIFORM IN COLOR, WITH SHARP EDGES AND FREE FROM CRACKS OR FLAWS.
THEY SHALL HAVE A COMPRESSIVE STRENGTH NOT LESS THAN APPROX. 10.5 N/MM² AND WATER ABSORPTION NOT EXCEEDING 20% OF DRY WEIGHT AFTER 24-HOUR IMMERSION.
BRICKS SHALL PRODUCE A CLEAR RINGING SOUND WHEN STRUCK TOGETHER AND BE SUITABLE FOR HIGH-QUALITY LOAD-BEARING CONSTRUCTION AND EXPOSED BRICKWORK.

	NAME OF WORKS	ADDRESS	
Program	Construction of New Early Child Development Center		
15	DATE: 16-Nov-2025		

Materials List



FOOD FOR THE HUNGRY

Food For The Hungry

Scheme Name: Construction of New Early Child Development Center

Location: Ukhia, Cox's Bazar

Sl	Description	Unit	Quantity	Rate	Total TK BDT
	Earth Excavation				
1	Earth excavation work in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5m depth and maximum 10 m lead: in very stiff (hard) clayey soil/rubbish etc.	Cft	115	-	-
	RCC-Reinforce Cement concrete (1:2:4)				
2	RCC-Reinforce Cement concrete (1:2:4) as per design in Column/Beam/ Lintel Etc. with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by the Engineer	Cft	57.75	-	-
	CC casting In Foundation & Floor Cement, Sand, 3/4" Brick Chips (1:2:4)				
3	Mass Concrete(1:2:4): As per design in foundation or in floor with cement (Cement:CEM-II/A-M], sand and brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by Engineer-in-charge.	Cft	151.3 7	-	-
	1st Class Brick Work				
4	125mm Brick work: Fired Brick First Class, Size: 9.5'' x 4.5'' x 2.75'', PWD Standard).accepted by the Engineer-in-charge & Requirement of shelter finishing work	Cft	76.05	-	-
	12mm Wall Plaster work Outside with Skirting Outer Surface Cement:Fine Sand (1:4)}				
5	Plastering: Minimum 12 mm thick cement plastering using mortar ratio (1:4) including skirting plastering at floor, inner surface and outer surface, finishing the corner, kobra & top-surface of wall. the work includes screening of sand cleaning the surface, scaffolding and curing at least for 7 days, water/electricity/other charges and as per drawing and instruction of the Engineer in-charge. as per	Sft	392.99	-	-

Materials List

	design & Requirement of shelter finishing work. accepted by Engineer-in-charge.				
	12mm Wall Plaster work Inner Wall Cement,Fine Sand (1:4)}				
6	Plastering: Minimum 12 mm thick cement plastering using mortar ratio (1:4) including skirting plastering at floor,inner surface and outer surface, finishing the corner, kobla & top-surface of wall. the work includes screening of sand cleaning the surface,scaffolding and curing at least for 7 days, water/electricity/other charges and as per drawing and instruction of the Engineer in-charge. as per design & Requirement of shelter finishing work. accepted by Engineer-in-charge.	Sft	309.94	-	-
	Floor with NCF 12mm with Plaster work Inside {Cement,Fine Sand (1:4)}				-
7	Plastering & Net cement finishing in Floor with proper Plastering accepted by the Engineer-in-charge as per design & Requirement of shelter finishing work. accepted by Engineer-in-charge.	Sft	474.00	-	-
	House Roof Infrastructure (Gorjon/Meheguni)				-
8	Supplying and making door frames, Rafrer, Purlin, Fencing walls, grab bar(beside commode)etc.with matured seasoned wood of required size.Painting two coats of coal tar to the surface in contact with wall. Timber used for wood work shall be well seasoned, kiln dry containing not more than 8% to 12% moisture so as to ensure minimum tendency towards warping,shrinking and swellings, It shall be free from all defects such as large or loose knots, shakes, saps, upsets, wane edge and twisted fiber.It shall also be free from all disease such as decay, wet rot, dry rot and woodworms and white and timber should be finished to the exact dimension shown on the drawing & Engineer can be change wooden size or any kind of work as per site condition and requiremnts and will give any feedback regarding wooden installation and work So, must be address to feedback or Comments who have related to work implimentation finishing with Wood Planer .accepted by Engineer-in-charge.	cft	31.92	-	-
	Toilet Roof Infrastructure (Gorjon/Meheguni)				-
9	Supplying and making door frames, Rafrer, Purlin, Fencing walls, grab bar(beside commode)etc.with matured seasoned wood of required size.Painting two coats of coal tar to the surface in contact with wall. Timber used for wood work shall be well seasoned, kiln dry containing not more than 8% to 12% moisture so as to ensure minimum tendency towards warping,shrinking and swellings, It shall be free from all defects such as large or loose knots, shakes, saps, upsets, wane edge and twisted fiber.It shall also be free from all disease such as decay, wet rot, dry rot and woodworms and white and timber should be finished to the exact dimension shown on the drawing & Engineer can be change wooden size or any kind of work as per site condition and requiremnts and will give any feedback regarding wooden installation and work So, must be address to feedback or Comments who have related to work implimentation with Wood Planer. accepted by Engineer-in-charge	Cft	2.02	-	-

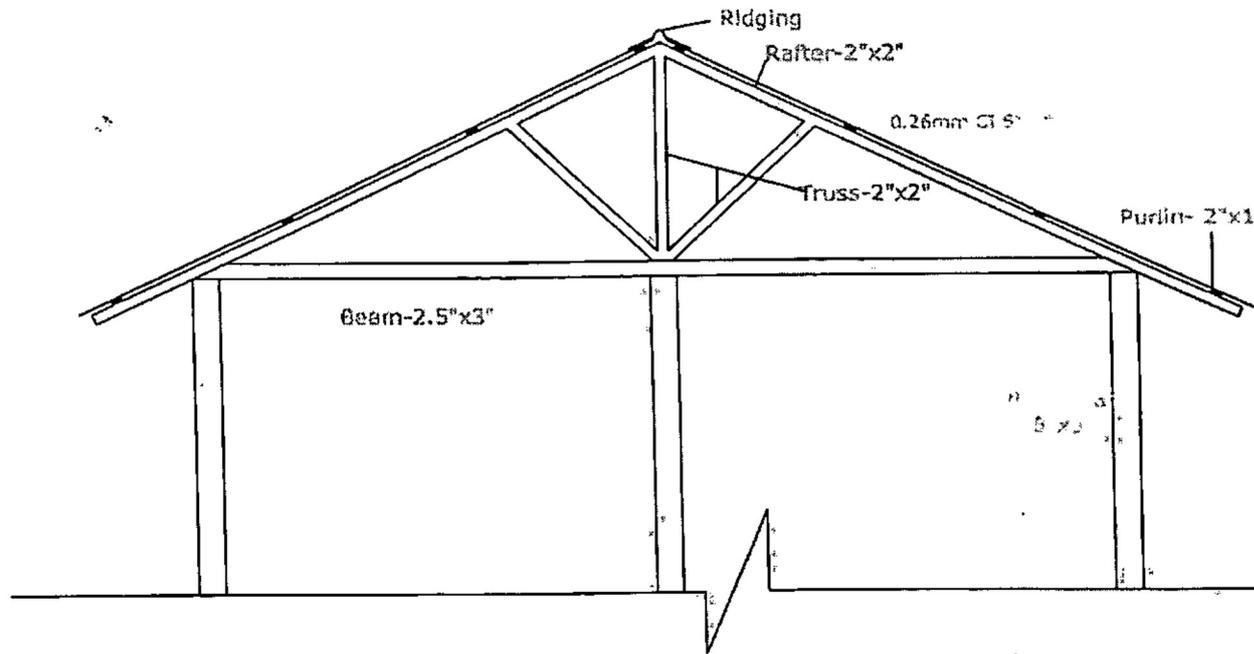
Materials List

2	1.5 Inch inside dia best quality uPVC ventilation pipe for Gas disposal with cowl	Pcs	50		0
3	1.5 Inch inside dia best quality uPVC ventilation pipe for Gas disposal	Rft	40		0
4	Ciramic Pan (16" x 20") White Colour & Best quality	Pcs	2000		0
5	4" dia Upvc Tee, Trap,syphon,Elbow Ect.	Pcs	400		0
6	Wooden Door for Toilet (2.5' X 6'.5'')	Job	6000		0
7	Wooden Door for Room (3' X 7'-0'')	Job	7000		0
8	Wooden Window for Center (4'-0" X 4'-4'')	Job	5600		0
9	Bamboo made Ceiling (Bamboo Ceiling - Bamboo Pit or Hard part,Hard Pard Baten @6 inch C/C-Copper wire binding.	Sft	50		0
10	Pre-cast Ring: Inner Diameter of pit is (36'')	Pcs	450		0
11	RCC pre-cast slab : Diameter-(36'') with 2" thick over	Pcs	600		0
12	8 mm thermal insulation	Job	15000		0
13	100 Litter water Tank with Stand for Toilet	Job	5000		0
14	Screw & Washer, Clip and Etc L/S Cost	L/S	7000		0
	Total to Summary				-
	Grand Total to Summary				-
SUMMARY TO SCHEDULE OF QUANTITIES					
A	Non Food Item (materials costs)				-
B	Cash Based Transfer (CBT)-Labor and other costs				-
GRAND TOTAL (BDT)					-
NFI (mateirals) Cost Percentage					

Materials List

	Bule Colour Roof 0.32 CGI Sheet				-
10	Supply and installation of 0.32 mm thick corrugated galvanized iron Green Color sheet (Bangladesh made) & 2'-6" width for roof work fitted and fixed with Wooden on Screw- with Washer accepted by the Engineer-in-charge as per design & Requirement of shelter finishing work. accepted by Engineer-in-charge.	Job	83.20		-
11	Ridge 6 feet Length for Use of shelter Apex	Pcs	6.00	-	-
	Paint Work				-
12	On exterior surface applying as per manufacturer instruction specific coat of weather coat of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container. Applying one vertical and one horizontal coat for each coat and successive coat is to be applied after drying by brush/roller cleaning, washing, rubbing, as necessary and sand papering the surface and necessary scaffolding. accepted by Engineer-in-charge.	Job	1,405.86	-	-
	Other Materials				
1	4" dia Upvc Pipe Use for Rain water Disposal & PAN Installation with Pre-Cast Ring	Rft	80		0

FH Association Bangladesh
Tanore Area Program, Rajshahi
Drawing Title: ECDC Center Construction



ROOFING DESIGN

Designed by:
Md. Mostafizur Rahman
Diploma In Civil Engineering
Mob#:01859-070575

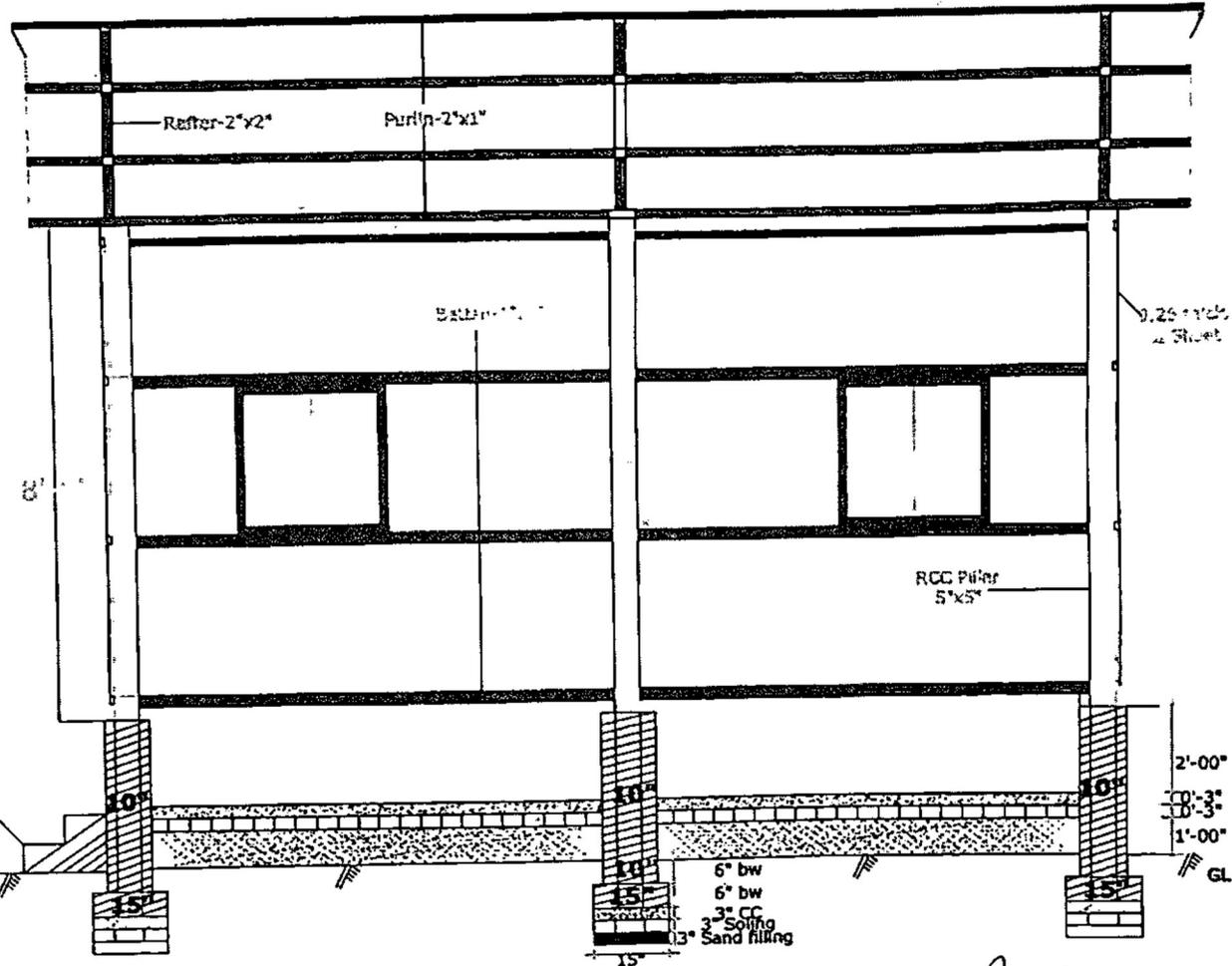
Endorsed by:
Md. Masud Rana
APM
Tanore-AP

Masud Rana
Area Program Manager
FH Association
Tanore Area Program

Endorsed by:
Nusrat Bintay Haider
Productive Learning Specialist,
FH Bangladesh

Approved by:
Jnanottor Chakma
Sr. Manager Operations
FH Bangladesh





Stair by Brick

GL

2'-00"
0'-3"
0'-3"
1'-00"
GL

6" bw
6" bw
3" CC
3" Soling
13" Sand filling

15"

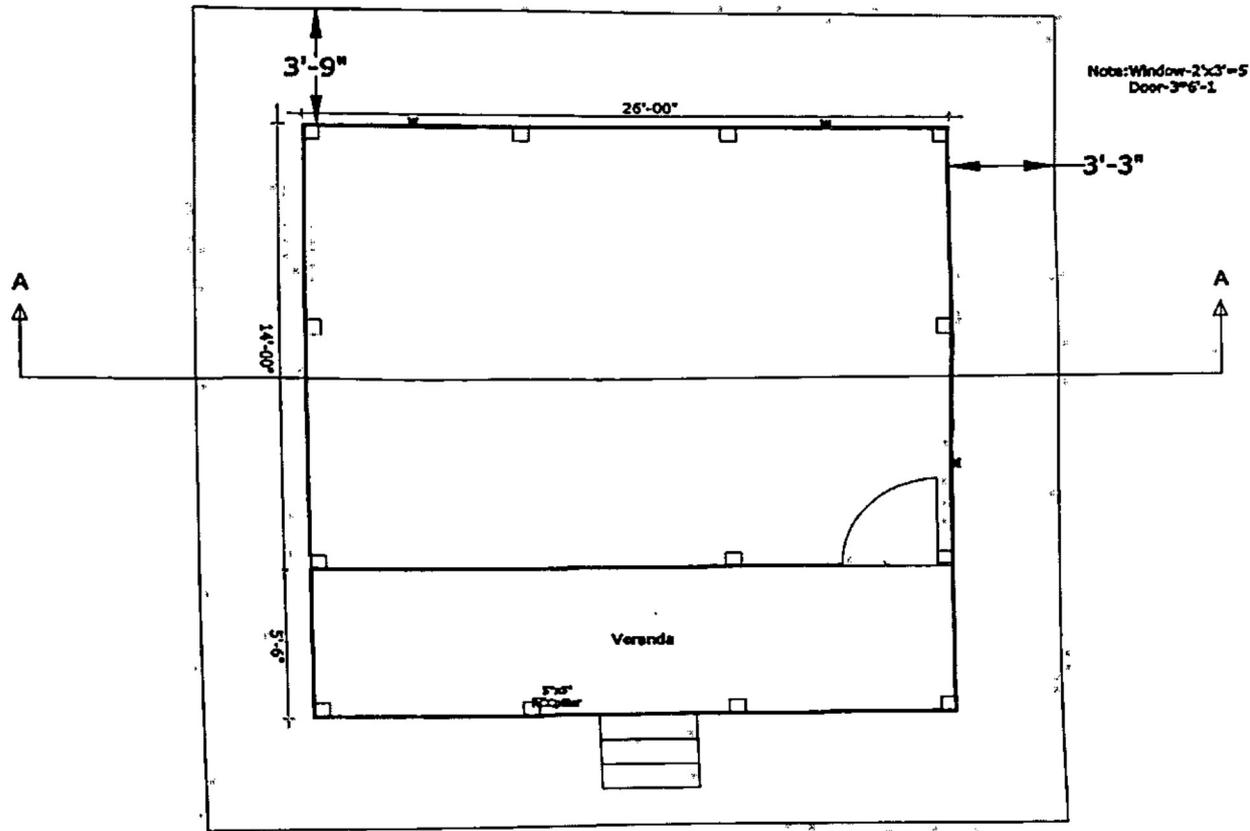
Cross Section (A-A)

Designed by:
Md. Mostafizur Rahman
Diploma in Civil Engineering
Mob#: 01859-070575

Endorsed by:
Md. Masud Rana
APM
Tanore AP
Masud Rana
Area Program Manager
FH Association
Tanore Area Program

Nusrat Haider
Endorsed by:
Nusrat Bintay Haider
Productive Learning Specialist,
FH Bangladesh

Approved by:
Jnanottor Chakma
Sr. Manager Operations
FH Bangladesh

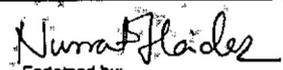


Note: Window-2'x3'-5"
Door-3'6'-1"

Plan

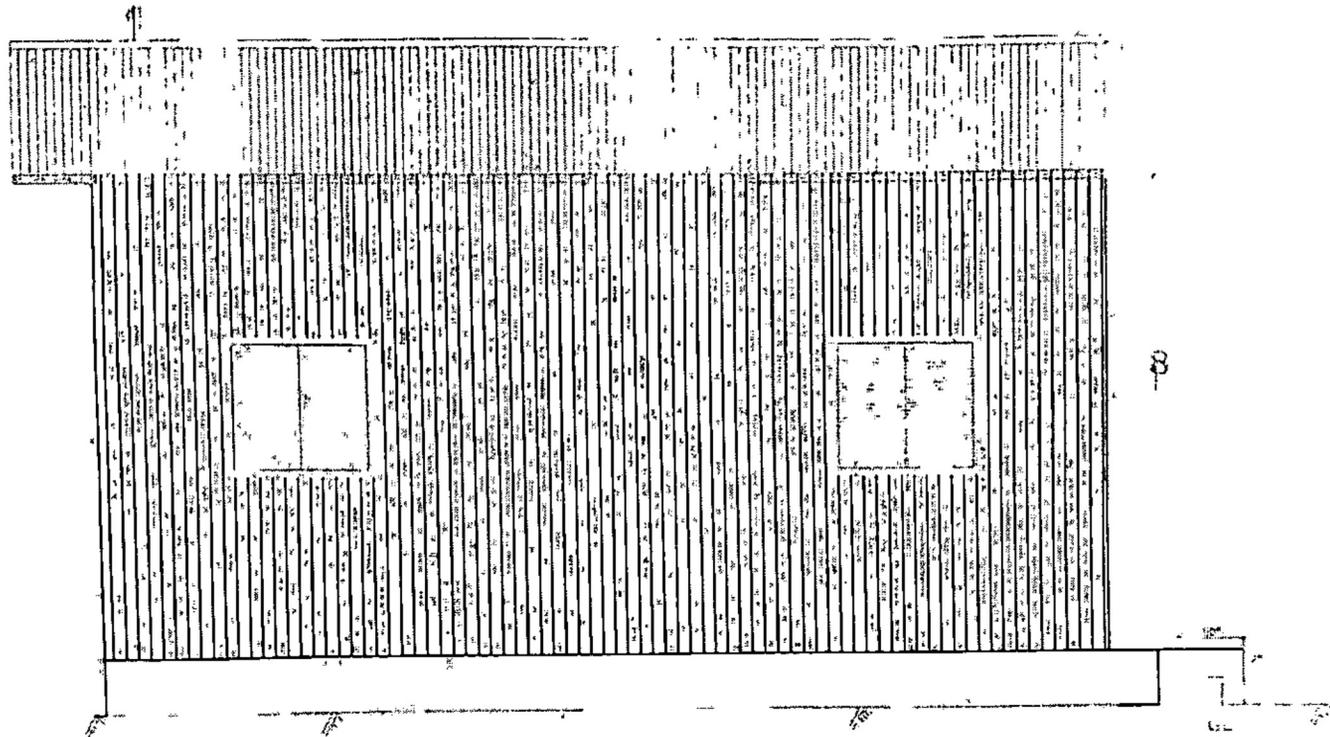
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Sr. Manager Operations
FH Bangladesh

Ridging



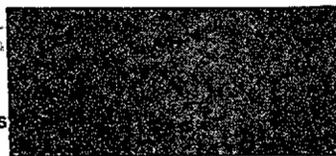
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 Md. Mostafizur Rahman
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Endorsed by:
 Md. Masud Rana
 APM
 Tanore AP

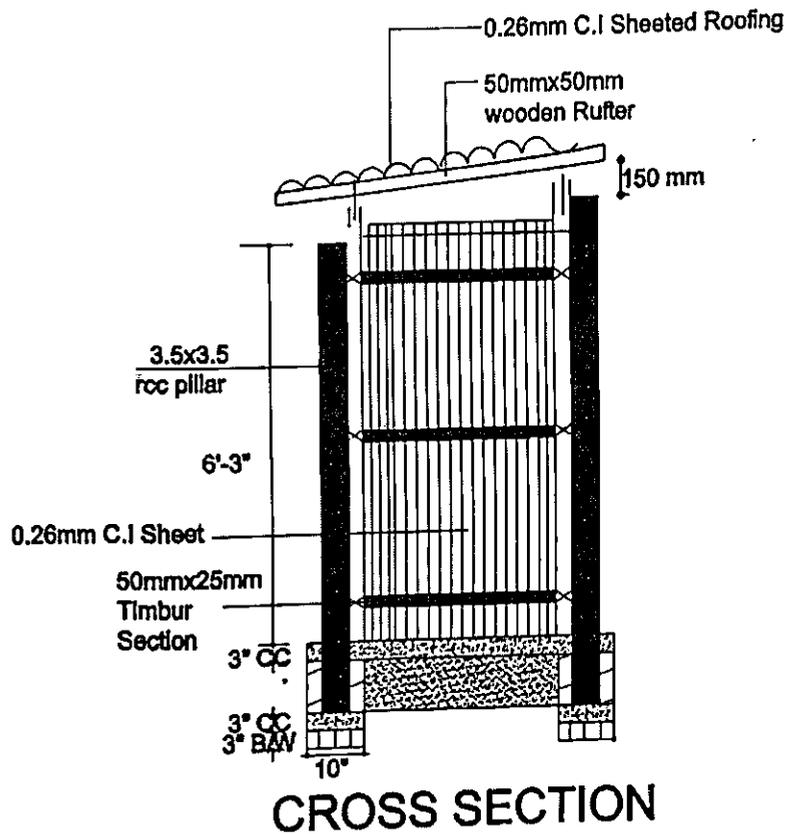
Masud Rana
 Area Program Manager
 FH Association
 Tanore Area Program

Back Side Elevation
 Nusrat Haider

Endorsed by:
 Nusrat Bintay Haider
 Productive Learning Specialist
 FH Bangladesh



Approved by:
 Uttor Chakma
 Manager-Operations
 Bangladesh

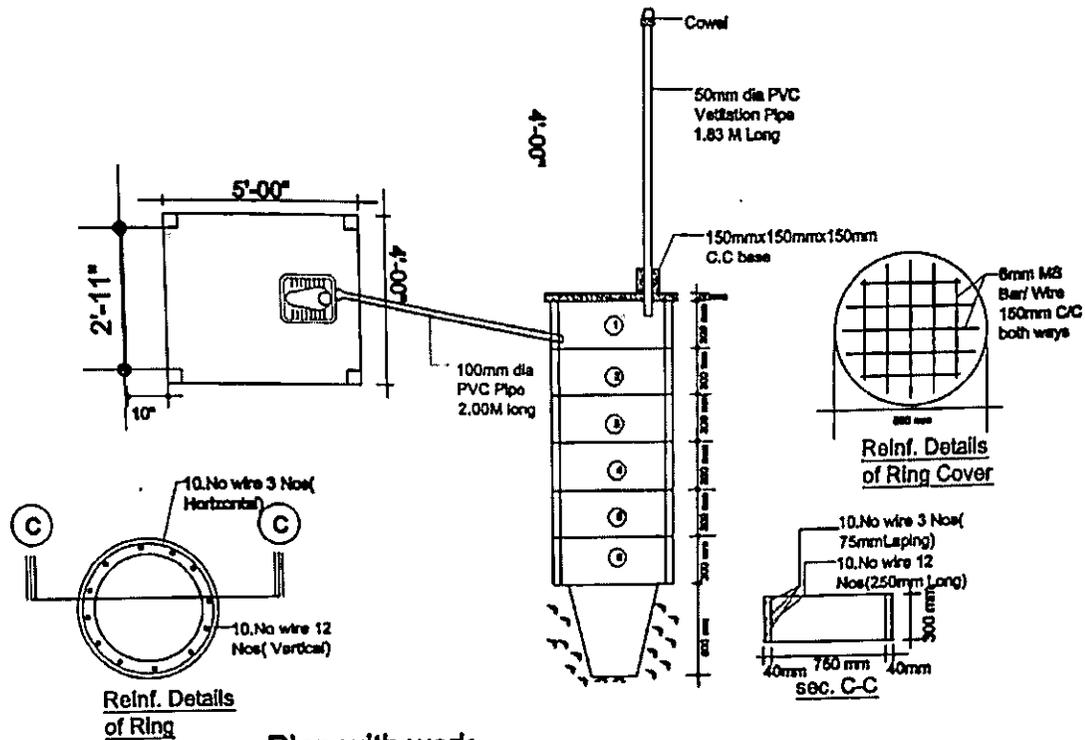


Designed by:
 Md. Mostafizur Rahman
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Plan with work Details

Designed by:
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Diploma in Civil Engineering
Mob#:01859-070575

Endorsed by:
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Sr. Manager Operations
FH Bangladesh

Tanore area programme

Food for the Hungry

Name of work :- Construction of Flood Resilient School Room With Sanitary Latrine Under Tanore area Programme, Food for The Hungry.

BILL OF QUANTITIES:

PART-A: CIVIL WORK

Item no	Description of item	Unit	Quantity	Rate Tk.	Amount Tk.
1	Mobilization of materials, equipments, tools and plants, temporary labour shed to arrange proper sanitation and water facilities for labour etc.. All complete as per direction of the engineer in charge.	L.S	1.00		
2	Earth work in excavation of canals, ponds, drains, etc. by excavating earth to the lines, grades and elevation as shown in the drawing, filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, dressing, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging for and supplying all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	Cum	6.16		
3	Single layer brick flat soling with 1st class or picked jhama bricks, true to level, camber/super elevation and grade including carrying bricks, filling the interstices tightly with sand of minimum FM 0.80, etc. all complete as per direction of the E-I-C.	Sqm	14.23		
4	Mass concrete work in foundation with portland cement sand (minimum FM 1.20) and 1st class/Picked jhama brick chips 20mm down graded (LAA value not exceeding 40), including shuttering, maxing by concrete mixer machine, casting, laying compacting and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 105kg/cm ² at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to added if required to attain the strength at the contractors own cost. (Including floor neat cement finishing)	Cum	5.34		
5	Sand filling in foundation trenches and in side plinth with sand (minimum FM 0.80) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD.	Cum	21.70		
6	Earth filling in foundation trenches and plinth in 150 mm layers with carted earth carried by truck or by any other means including loading and unloading at both ends, leveling, watering and compacting to achieve minimum dry density of 95% with optimum moisture content (modified proctor test) including local carriage each layer up to finished level including cost of water and test (carried from beyond 300 m) etc. all complete and accepted by the Engineer-in-charge	Cum	2.05		
7	Providing polythene sheet (0.18mm thick) on floor in ground floor underneath the cement concrete, etc. all complete as per specifications and direction of the E-I-C. Sand of minimum FM 1.2 to be used.	Sqm	53.59		
8	Brick work with 1st class bricks in cement mortar (1:6) in foundation and plinth, filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. (Minimum FM of sand: 1.2)	Cum	10.09		

9	125mm thick brick work with 1st class bricks in cement mortar with portland cement(1:4) and making bond with connected walls in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc.all complete as per direction of the E-I-C for all floors.(Minimum FM of sand: 1.2)	Sqm	1.91		
10	Minimum 12mm thick cement plaster (1:4) to dado and plinth wall up to 150mm below ground level with neat cement finishing in/c washing of sand, finishing the edges and corners and curing for requisite period etc. all complete as per direction of the E-I-C(Sand of minimum FM 1.2 be used)	Sqm	67.09		
11	Reinforced cement concrete works (1:2:4) having minimum cylinder crushing strength 170kg/cm ² at 28 days with Portland Cement best quality coarse sand (50% quantity of sand of minimum FM 1.2 and 50% quantity of coarse sand of minimum FM2.5) 20 mm down graded picked jhama brick chips in/c breaking chips and screening, centering, shuttering, making shuttering fully leak proof, placing of rod in position, mixing the aggregates with curing at least for 28 days (excluding the cost of reinforcement and its fabrication) etc. all complete as per direction of the E-I-C.				
	A) In padestal, Column	Cum	0.98		
12	Reinforced cement concrete works (1:2:4) having minimum cylinder crushing strength 170kg/cm ² at 28 days with Portland cement, best quality coarse sand (50% quantity of sand of minimum FM 1.2 and 50% quantity of coarse sand of minimum FM2.5) and 20mm down graded picked brick chips in/c breaking chips and screening, centering, shuttering, making shuttering fully leak proof (shuttering with plain 20/22 BWG steel sheet fitted with Mild Steel angle/Rod & Wooden frame), placing of MS rod/Wire in position, mixing the aggregates with mixer machine, pouring, casting, compacting manually and curing at least for 28 days (excluding the cost of reinforcement and its fabrication) etc. all complete as per Design, <u>Drawing, Specification and direction of the Engineer- in-charge.</u>	Cum	0.35846		
13	Centering and shuttering, including strutting, propping etc. (The formwork must be rigid enough both in and out of plane, to make the concrete surface true to the designed shape and size by using necessary MS sheets of minimum 16 BWG, angles of minimum size 40 mm x 40 mm x 5 mm, flat bars etc.) all complete as per plan and direction of the E-I-C.				
	b) In padestal, Column	Cum	35.08		
14	a) Supplying and fabrication of M.S High strength deformed bar/Twisted bar reinforcement of required size and length for all types of RCC work in/c straightening the rod, removing ruts, cleaning, cutting, hooking, bending, binding with supply of 22 B.W.G. GI wire, placing in position, in/c lapping, spacing and securing them in position by concrete block (1:1), metal chairs, etc. complete in/c cost of all materials, labour, local handling incidentals necessary to complete the work as per specifications, drawings and direction of the E-I-C. (Measurement will be based on standard weight of 490 lbs./ft ³ chairs, laps and separators will not be measures for payment. The cost of these will be included in the unit rate) M.S Rod, <u>deformed (grade 40 billet SK-30)</u> b) M.S wire (10# SWG)	Kg	139.84		
		kg.	5.50		
15	Supplying 100mm size best quality of pad lock with keys for fixing door as per specification and direction of the E-I-C.	Nos	1.00		

16	Supplying, fitting & fixing 0.26 mm thick galvanized iron Colour corrugated sheet(Bangladesh made) roofing fitted on Purlin, Fencing & Door fixing on wooden wall plate & R.C.C post with serews, limpet washere,cobza,GI Wire/Nail, hinge, Chain etc, all complete as per Design,Drawing, Specification and direction of the Engineer- in-charge	Sqm	150.09		
17	Supplying, fitting and fixing 0.36 mm thick galvanized iron plain sheet ridging with 300 mm lap on either side fitted and fixed with galvanized bolts and nuts etc. all complete and accepted by the Engineer-in-charge. (PWD 10.22)	Rm	8.54		
18	Supplying, fitting, fixing and fabrication of 20 SWG M.S. Sheet Plain Colour Sheet with Wooden frame including one coat of anti corrosive paint etc all complete as per drawing and instruction of E-I-C.	Sqm	5.99		
19	Supplying, fitting and fixing window grill made of 10 mm x 10 mm M.S. solid bar @ 100mm c/c with outer frame of 38 mm x 6mm F.I. bar and 25 mm x 6 mm F.I. bar for clamp as per design including fabrication, welding, cost of electricity workshop charges, carriage, cutting grooves, mending good the damages, tools and plants, finished with anti-corrosive painting (Red-Oxide) etc. complete for all floors approved and accepted by the Engineer-in-charge. (Total weight per sqm should be approx 17 kg and add or deduct @ Tk. 100.00 for each kg/sqm excess or less respectively) [PWD 13.5.1]	Sqm	2.79		
20	Supplying, fitting & fixing of Seasoned and 100% matured Mehagoni / Shishu or equivalent wood wall plate & Purlin with RCC Post including Fitting & fixing in position with GI wire/Nail/MS Rod etc, all complete as per Design,Drawing, Specification and direction of the Engineer- in-charge.	Cum	1.12727		
21	Site cleaning work after completion of all works under the contract In/c removing of all temporary structures built in connection with the execution of the work, carrying of all kinds of debris up to a distance of 150 m and stacking those in separate and neat measurable stacks in designated places etc. complete as per satisfaction of E/C.	L.S	1.00		
22	Supplying, fitting and fixing Bangladesh pattern " RAK STANDARD " Long Oriental Pan (size 540mmx 425mmx 270mm, Bowl size-390mmx 210mm x 190mm or equivalent) with foot rest of vitreous China and preparing the base of pan with cement concrete and with wire net or rods including making holes wherever required and mending good the damages, etc. all complete as per direction of the E-I-C (Off White)	Each	1.00		
23	Supplying, fitting & fixing of 110 mm external dia PVC pipe Including bend and necessary fittings (RFL/Aziz/NPL or equivalent of minimum wall thickness 2.7mm-3.2mm) of approved quality all complete as per Design,Drawing, Specification and direction of the Engineer- in-charge.	M	2.00		
24	Supplying, fitting & fixing of 50 mm dia P.V.C. vent pipe (RFL-Sulov/ Aziz/NPL of minimum wall thickness 2.5mm-3.0mm) of approved quality, with all fitting i.e. plain bends, and cowls including cement joints etc. with 4" to 5" lapping of pipe connction if necessary all complete as per Design,Drawing, Specification and direction of the Engineer- in-charge.	M	2.00		
25	Supplying, fitting and fixing 600 mmx 600 mmx 20mm thick marble name plate in walls in Bengali/English including cost of materials, labour, formwork engrave neatly the approved inscriptions supplied by Food for the Hungry office.	Each	1.00		
Total Amount for 01 nos of School room work					0.00

PART-A: ELECTRIC WORK

Item no	Description of item	Unit	Quantity	Rate Tk	Amount Tk.
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1	BYA Cable: concealed Conduit wiring with the following PVC insulated stranded cable (BYA) through PVC Conduit (Aziz or equivalent) complete with fixing materials & green Colored PVC insulated ECC wire (BYA) & other accessories as specified. Manufacturer of cable Eastern/BRB/Citizen/Paradise/Poly cable/Super sign or equivalent according to the Specification & direction of the Engineer-in-charge.				
	a) 1c-2x2.5 Sq.mm (BYA) Cable with 2.5 Sq.mm (BYA) ECC wire through PVC Pipe of 25 mm inner dia.	M	15.00		
2	Concealed Conduit wiring: Concealed Conduit wiring for the following Points Looping at the Switch board with earth terminal including Circuit wiring with 1c-2x1.5 Sq.mm PVC insulated stranded cable (BYA) & 1.5mm rm (green) PVC insulated stranded ECC wire (BYA) through PVCconduit (Aziz or equivalent) of 25 mm inner dia wall thickness 1.5 mm,18 SWG GP Sheet, switch board & Pull box with 3mm thick ebonite sheetcover, brass contact, ceiling rose, fixing materials & all other accessories as required including mending the damages :Manufacturer of cable BRB brand no 1 according to the specification & direction of the Engineer- in-charge.				
	2 Pin 5 amps socket	Point	1.00		
	Light point/Exhaust/Wall bracket fan point	Point	5.00		
	Supplying, fitting and fixing 250 volts single phase 15 amps 3-pin combined switches and socket outlet (surface type) mounted on best quality locally made required size 18 SWG galvanized plain sheet board (75mm depth) etc. all complete as per drawings and directions of the E-I-C. (13 amps, Flat pin type)	Each	1.00		
	CEILING FAN: Supplying & fixing AC capacitor type ceiling fan (with regulator) Click or Equivalent of following specifications and sizes complete with minimum 305 mm (1 ft) long and 0.75 -1.0" dia, 2.3 mm thickness MS pipe down rod, tempered cast aluminum blades, 2.5 µf 400V AC capacitor, canopy, double Z ball bearing, best quality silicon sheet core, best quality copper made super enamel wire, aluminum alloyed casting body / metal body having safety pin with powder coated heat / docu paint as required as per BDS 818 etc. connecting PVC wire complete as required.R ated voltage : 230 volts Rated frequency : 50 Hz Rated speed : 300 rpm ± 5 %S ervice value : Minimum 3.5 m3 / min /wattT emperature rise : Maximum 55°C Class of Insulation : Minimum EN oise level : Maximum 60 dB at a distance of 1 meter. Input power : Maximum 70 watt (1442 mm. (56") Sweep)	Each	2.00		
Total Amount for Electric work					0.00
Part	Description of item	Unit	Amount Tk.		
A	CIVIL WORK	1.00			0.00
B	ELECTRIC WORK	1.00			0.00
TOTAL AMOUNT FOR 1 NOS OF SHELTER WORK=		Tk.			0.00

Prepared by:
Md. Mostafizur Rahaman
Diploma in Civil Engineering

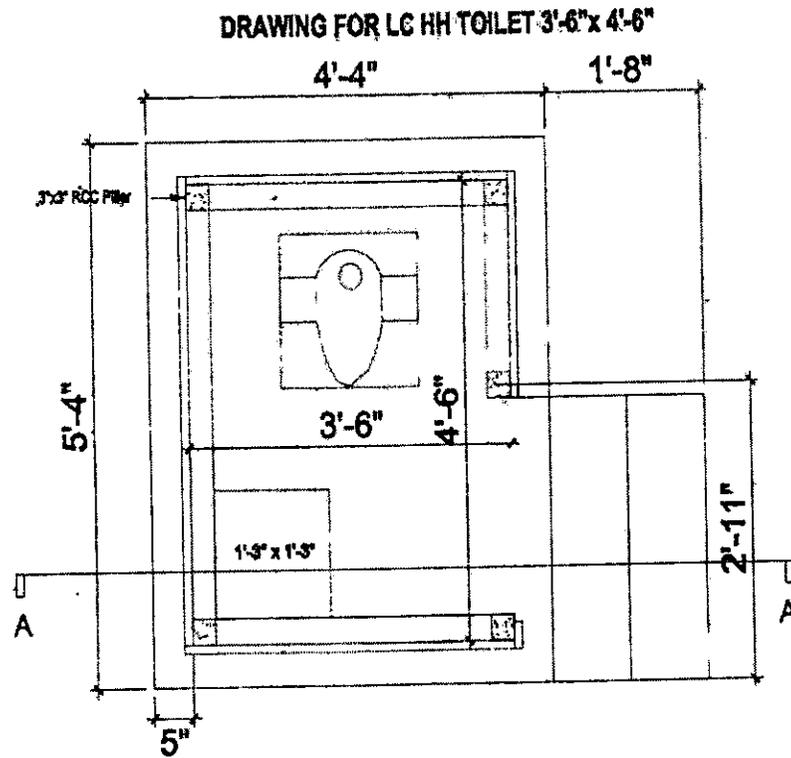




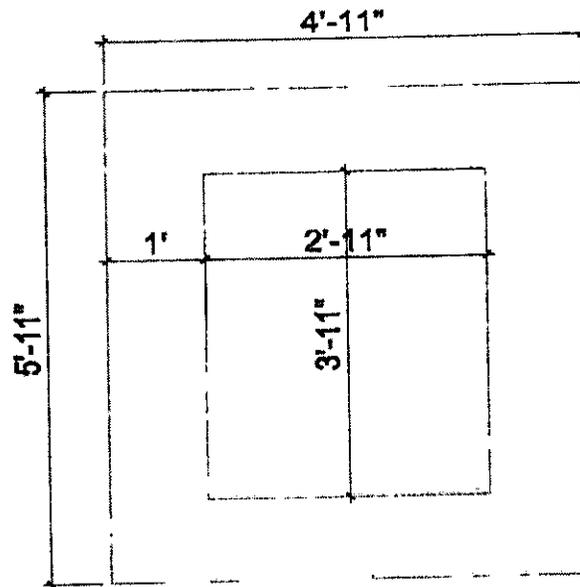
FOOD FOR THE HUNGRY

FH Association Bangladesh
Chapainawabganj Area Program

Drawing Title: Single Unit Household Latrine



DRAWING FOR LC HH TOILET 3'-6" x 4'-6"



Prepared By:	Reviewed By:	Endorsed By:	Approved By:
 Md. Abdul Mannan Construction Supervisor FH Bangladesh	 Repon Kisko AP Manager – Chapai FH Bangladesh	 Fatema Tuj Johara Manager – Health & Nutrition FH Bangladesh	 Jnanottor Chakma Sr. Manager – Program Op FH Bangladesh

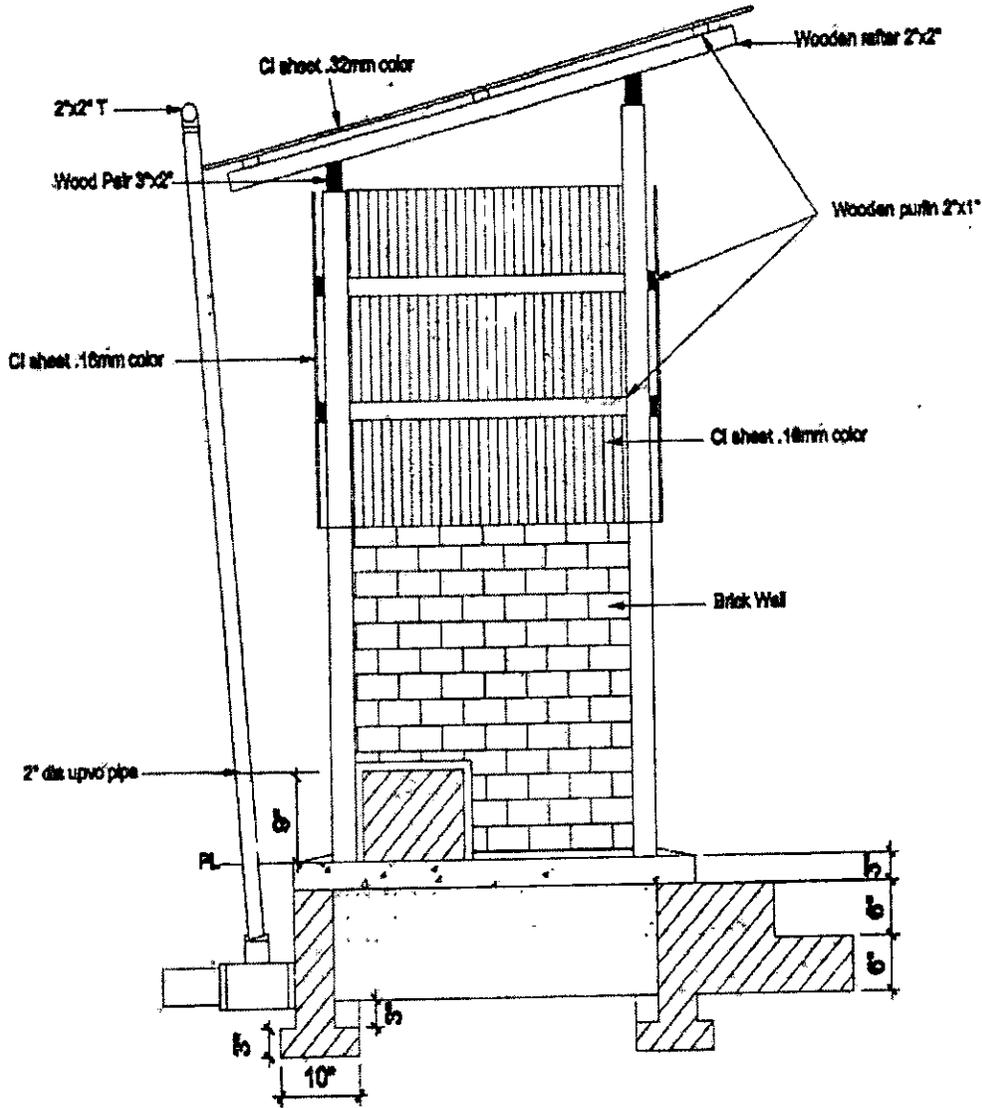


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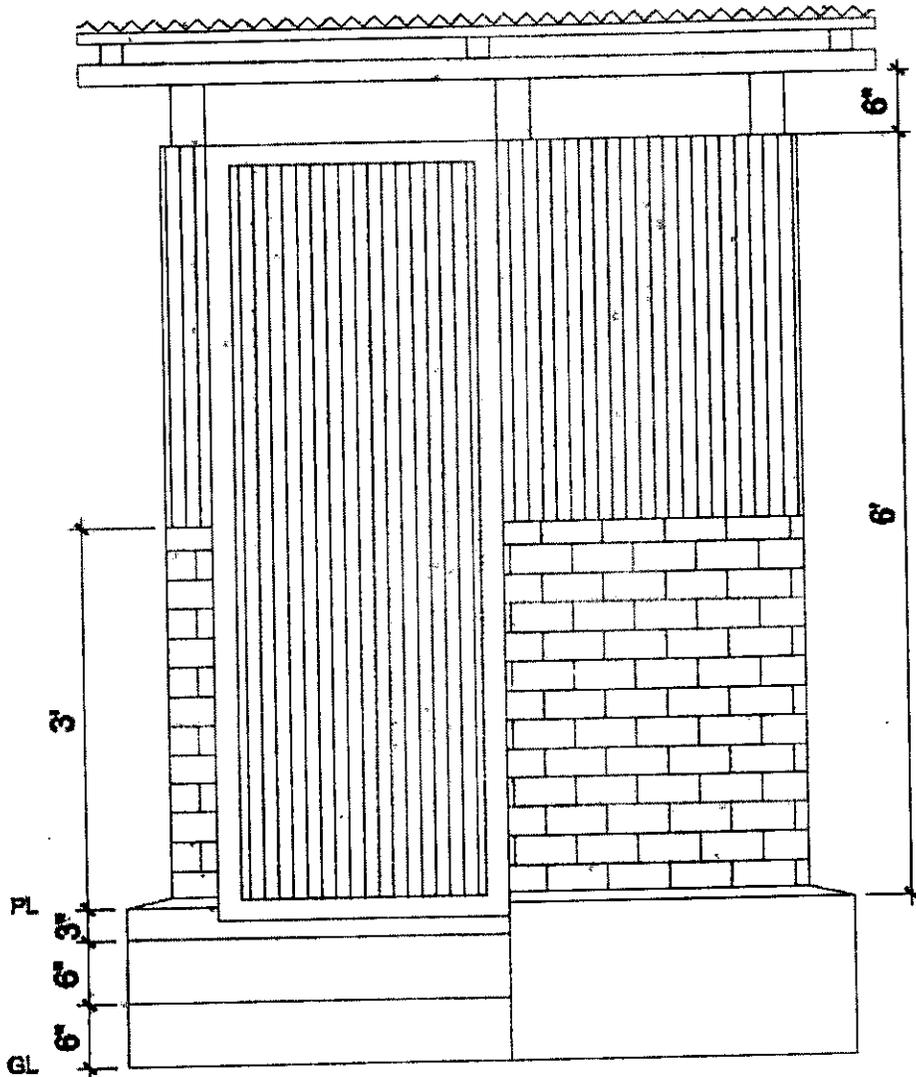
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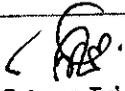
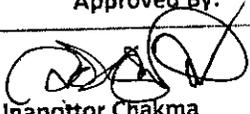


**FOOD FOR
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Drawing Title: Single Unit Household Latrine

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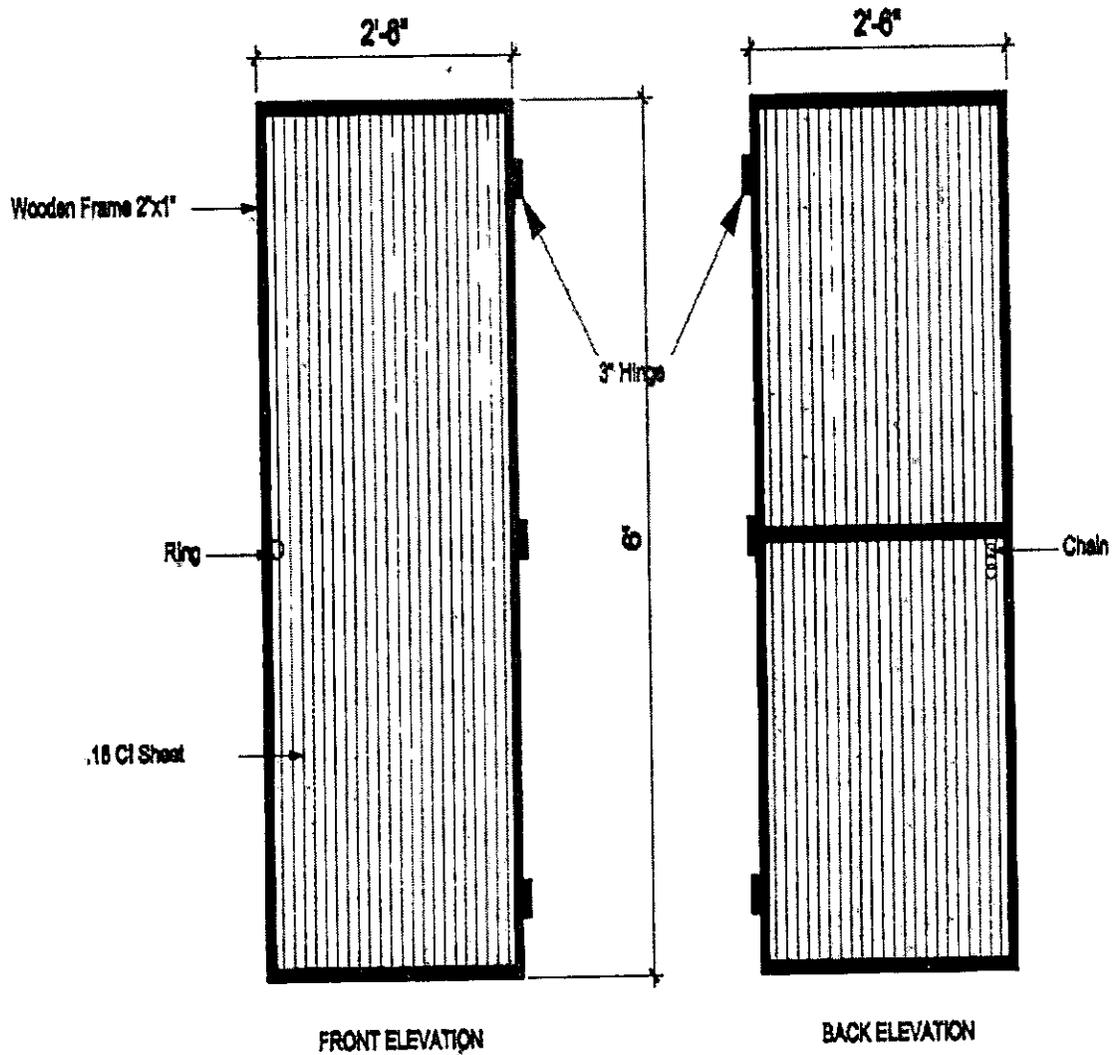
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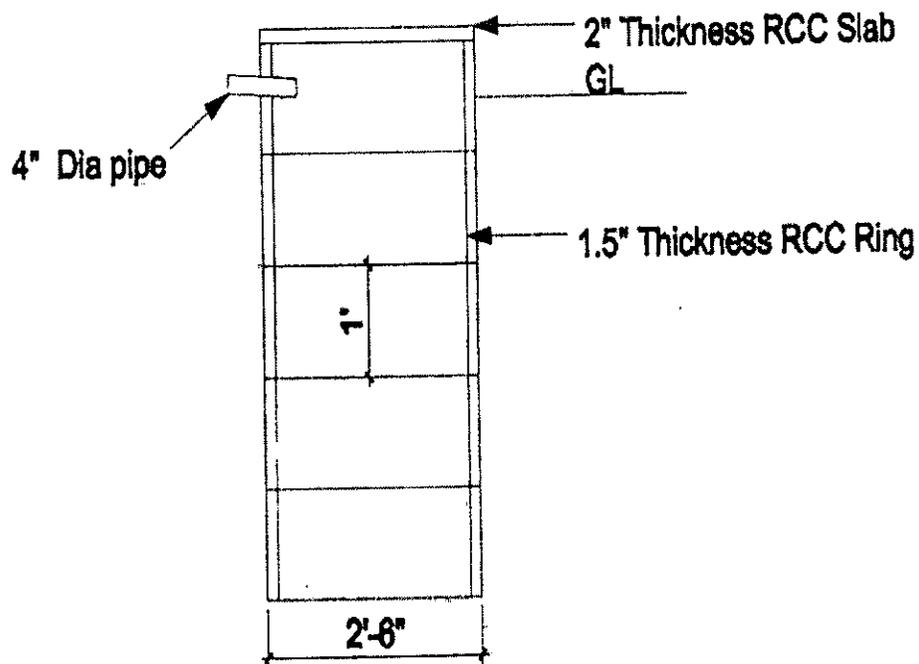
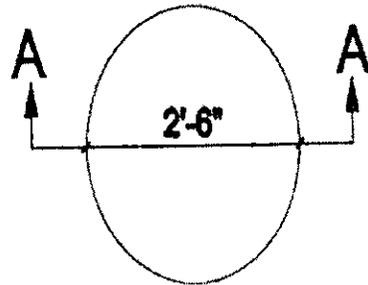


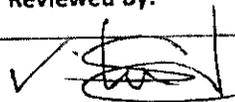
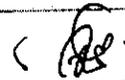
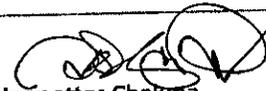
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DRAWING FOR LC HH TOILET 3'-6" x 4'-6"



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FH Association Bangladesh
Chapainawabganj Area Program
BoQ of Household latrine



SL#	Specification	unit	QTY	Unit Rate	Amount	Remarks
1	Bricks 1st class	Each	400			
2	Bricks chips (Picket)	cft	6			
3	Cement (FH Listed Brand)	bag	3			
4	Filling Sand	cft	10			
5	Local Sand	cft	25			
6	100mm / 4" dia upvc pipe (NPOLY)	RFT	10			
7	50mm/ 2" dia upvc pipe (NPOLY)	RFT	10			
8	50mm/2" dia Tee	Each	1			
9	100mm/4" dia 4"/2" T (NPOLY)	Each	1			
10	Wood Eucalyptus/Segun	Cft	3			
11	CGI Color Sheet for Roof (6' length, 0.32mm thick)	Each	3			
12	CGI Color Sheet for Wall (6' length, 0.16mm thick)	Each	4			
13	Pan small (SOLAR/RAK/RFL)	Each	1			
14	Long trap 100mm dia (BRB/RFL/Bengal)	Each	1			
15	3" RCC Pillar, 8'-0" long (4 Pcs round and 1 Pcs Squer)	Each	5			
16	2'-6" Dia RCC ring	Each	5			
17	2'-6" Dia Rcc slab	Each	1			
18	Water tank with tap (25/35 litter)	Each	1			
19	Red Oxide (German No.1)	lb	2			
20	Soap tray	Each	1			
21	Stone Name Plate	Each	1			
22	Tarkata, screw, washer, GI wire, Hinge, ring, chain etc.	LS	1			
23	Transport Cost	LS	1			
24	Labor Cost	LS	1			

Total in BDT=

Vat & Tax (15%)=

Total With VAT & TAX=

In word:

Prepared by:

Md. Abdul Mannan
 Construction Supervisor
 FH Bangladesh

Reviewed by:

Repon Kisko
 AP Manager – Chapai
 FH Bangladesh

Endorsed by:

Fatema Tuj Johora
 Manager- Health
 FH Bangladesh

Approved by:

Jnanottor Chakma
 Sr. Manager- Prog Ops
 FH Bangladesh

হাউজহোল্ড টয়লেট নির্মাণের কারিগরি নির্দেশিকা

টয়লেট সাইজ: দৈর্ঘ্য ৫৪ ইঞ্চি ও প্রস্থ ৪২ ইঞ্চি ভিতর ভিতর। রিং টেংকি সহ টয়লেট নির্মাণে ৭'-৬"/১০'-০" জায়গার প্রয়োজন হবে। জায়গা অবশ্যই বাসগৃহের মতো উঁচু হবে। কোনো অবস্থাতে নিচু জায়গায় টয়লেট নির্মাণ করা যাবে না।

কাজের বিবরণ:

১। প্রথমে ৫'-৪" ও ৪'-৪" সেন্টার লাইনে লে-আউট দিতে হবে এবং সমকোণ বা মাটাম করে নিতে হবে, ভিতরের মাপ হবে ৪'-৬" X ৩'-৬" যেটা লে-আউট দেয়ার সময় ঠিক করে নিতে হবে।

২। তারপরে ১'-০" পাশে ও ৬ ইঞ্চি গভীরতায় মাটি কেটে মাটি লেভেল ড্রেসিং করে নিতে হবে।

৩। পলিথিন বিছিয়ে তার উপরে সেন্টার লাইন বরাবর ১০ ইঞ্চি পাশে এক লেয়ার ইট বসিয়ে ভালো করে ১:৪ অনুপাতে সিমেন্ট বালুর মসলা দ্বারা সোলিং করতে হবে।

৪। লম্বা ৫৪" ও প্রস্থ ৪২" ভিতর ভিতর মাপ ধরে ১'-৩" উচ্চতায় ১:৪ সিমেন্ট বালুর মসলা দ্বারা ৫" ইটের গাঁথুনির কাজ করতে হবে একই সাথে ডিজাইন অনুযায়ী ৫টি আরসিসি খুঁটি বসিয়ে নিতে হবে, একই সাথে ডিজাইন অনুযায়ী দুই ধাপে সিড়ির কাজ করতে হবে।

৫। দুই দিন পরে গাথুনির চারি দিকে ও মেঝে ভরাট বালু দ্বারা ভরাট করে পানি দিয়ে দুরমুচ করে পলিথিন বিছিয়ে একই সাথে পাইপ সহ প্যান বসিয়ে নিতে হবে, প্যান এমন ভাবে সেট করতে হবে প্যান যেন ঢালাইএর উপরে না উঠে যায়।

৬। ১:২:৪ অনুপাতে সিমেন্ট, বালু ও খোয়া দ্বারা ৩" উচ্চতায় ফ্লোর ঢালাই দিতে হবে।

৭। ঢালাই যেন ডিজাইন অনুযায়ী গাঁথুনির উপরে উঠে ঢালাই খুঁটির ভিতরে প্যানের দিকে একটু গ্যাপ হবে এবং খুঁটির বাহিরে বাহিরের দিকে স্লোপ হবে ঢালাই একটু শুকিয়ে গেলে ডিজাইন অনুযায়ী ১'-৩"/১'-৩" ও ৯" উচ্চতার একটি পানির ড্রাম রাখার বেজ করতে হবে।

৮। দরজার জন্য জায়গা ছেড়ে ২-৩ ফিট হাইট ৫" ওয়াল গাঁথে ফেলতে হবে।

৯। গাথুনির লেভেল মিলিয়ে সুন্দর করে ফিনিশিং দিয়ে ফেলতে হবে।

১০। ভিতর ও বাহিরের দিক সিড়ি সহ ১:৪ অনুপাতে সিমেন্ট বালুর মসলা দিয়ে প্লাস্টার সহ জার্মান এক নং রেড অক্সাইড বা সিদুর রং দিয়ে নেট সিমেন্ট ফিনিশিংএর কাজ করতে হবে।

১১। কমপক্ষে সাত দিন কিউরিং করার পরে টিনের বেরা দরজা সহ ও চালের কাজ করতে হবে ব্যারার চারি দিকে তিনটি করে দুই এক ইঞ্চি চেরা, দরজার ফ্রেম দুই/এক ইঞ্চি চেরার খারা থ্রি কাঠের সাথে তিনটি ৩" কজ্জা দ্বারা দরজা সেট করতে হবে, দরজার ভিতরে আংটা সহ শিকল ও বাহিরে দুইটি রিং সেট করতে হবে।

১২। রিং বসানোর জন্য গর্ত করে নিতে হবে, গর্ত যেন খাবার পানির টিউবয়েল থেকে ৩০ ফুট দূরে হয়। যদি জায়গা না পাওয়া যায় তবে ইঞ্জিনিয়ারকে জিগ্লেস করে তারপর গর্ত করতে হবে।

১৩। রিংয়ের গর্ত যেন ভূমি লেভেল হয় মাটি থেকে ৬" উঁচু থাকবে। সব দিকে মাটি দিয়ে ভরাট করা থাকবে।

১৪। বেরার টিন তারকাটা ও ওয়াশার দারা আটকিয়ে দিতে হবে। চালা দুইটি তিন দুই পাইপের উপরে তিনটি রুয়া ও পাঁচটি চেরা বা মাটাম সেট করে তার উপরে স্ক্রু ও ওয়াসার দ্বারা টিন ভালো ভাবে আটকিয়ে দিতে হবে, একই সাথে টেংকির ৫টি রিং ঢাকনা সহ বসিয়ে ডিজাইন অনুযায়ী ৪"/২" টিএর সাথে ২" গ্যাস পাইপ ও ২"/২" টি সেট করতে হবে এবং রিং টেংকির সাথে ৪" পাইপের কানেকশন দিতে হবে

তারপরে কাজে কোন ত্রুটি বিচ্যুতি থাকলে তার সমাধান করে কাজ সমাপ্ত করতে হবে।

বি: দ্র: ড্রইং ও বর্ননা অনুযায়ী টয়লেটের কাজ করতে গিয়ে মেটেরিয়াল লিস্টের বাহিরে বারতি কোন মালামালের প্রয়োজন হয় তবে বারতি মালামাল দিয়ে কাজ সমাপ্ত করতে হবে তার জন্য বারতি কোন বিল প্রদান করা হবে না। মালামাল তালিকা শুধুমাত্র ধারণা দেয়ার জন্য। তাই ডিজাইন অনুযায়ীই যাযা প্রয়োজন সব নিজ উদ্যোগে ব্যবস্থা করে কাজ করতে হবে।

প্রয়োজনে :

০১৩২২৮৪৪১০৫

ইঞ্জিনিয়ার রাকিবুল ইসলাম

কান্ট্রি অফিস ,বাংলাদেশ