



**REPUBLICA DEMOCRATICA DE TIMOR LESTE
COMISSAO NACIONAL DE APROVISIONAMENTO**

BIDDING DOCUMENTS

Contract No.:	ICB/012/OPM-2011
Description:	Construction of New Houses (Timor-Leste MDG Project)

Issued on: June 2011

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Section 1 - Instructions to Bidders

This section specifies the procedures to be followed by Bidders in the preparation and submission of their Bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of contract.

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Section 1 - Instructions to Bidders

A. General

1. **Scope of Bid**
 - 1.1 The Employer, as indicated in the BDS, issues these Bidding Documents for the procurement of Works as specified in Section 5 (Employer's Requirements). The name, identification number, and the number of contracts of the International Competitive Bidding (ICB) are provided in the BDS.
 - 1.2 Throughout these Bidding Document:
 - (a) the term "in writing" means communicated in written form and delivered against receipt;
 - (b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular;
 - (c) "bid" shall also mean "tender" and "bidder" shall also mean "tenderer"; and
 - (d) "day" means calendar day.
2. **Source of Funds**
 - 2.1 The Employer has allocated funds from its current budget year appropriations toward the cost of the project named in the BDS. The Employer intends to apply a portion of the funds to eligible payments under the contract(s) for which this Bidding Document is issued.
3. **Corrupt Practices**
 - 3.1 The Employer requires bidders, suppliers, and contractors to observe the highest standard of ethics during the procurement and execution of contracts. In pursuance of this policy, the Employer:
 - (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
 - (ii) "fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - (iii) "coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - (iv) "collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.
 - (b) will reject a proposal for award if it determines that the bidder

recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract; and

- (c) will sanction a party or its successor, including declaring ineligible, either indefinitely or for a stated period of time, to participate in Employer-financed activities if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, an Employer-financed contract.

4. Eligible Bidders

4.1 A Bidder may be a natural person or a private entity or a combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV). In the case of a JV:

- (a) all partners shall be jointly and severally liable, and
- (b) the JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.

4.2 The Employer considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. The Employer will take appropriate actions if it determines that a conflict of interest has flawed the integrity of the procurement process. Consequently all Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if, including but not limited to:

- (a) they have controlling shareholders in common; or
- (b) they receive or have received any direct or indirect subsidy from any of them; or
- (c) they have the same legal representative for purposes of this bid; or
- (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or
- (e) a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the party is involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
- (f) a Bidder participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; or
- (g) a Bidder was affiliated with a firm or entity that has been hired (or is proposed to be hired) by the Employer as Engineer for the

contract.

- 4.3 A firm that is under a declaration of ineligibility by the Employer in accordance with ITB 3, at the date of the deadline for bid submission or thereafter, shall be disqualified.
- 4.4 Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.
- 5. **Eligible Materials, Equipment and Services**
 - 5.1 In terms of eligible source countries for supply of goods, materials, and services, the Employer currently has no specific limitations.

B. Contents of Bidding Document

- 6. **Sections of Bidding Document**
 - 6.1 The Bidding Document consist of Parts I, II, and III, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.
 - PART I Bidding Procedures**
 - Section 1 - Instructions to Bidders (ITB)
 - Section 2 - Bid Data Sheet (BDS)
 - Section 3 - Evaluation and Qualification Criteria (EQC)
 - Section 4 - Bidding Forms (BDF)
 - PART II Requirements**
 - Section 5 - Employer's Requirements (ERQ)
 - PART III Conditions of Contract and Contract Forms**
 - Section 6 - General Conditions (GCC)
 - Section 7 - Particular Conditions (PCC)
 - Section 8 - Contract Forms (COF)
 - Section 9 – Appendix to Tender
 - 6.2 The Invitation for Bids issued by the Employer is not part of the Bidding Document.
 - 6.3 The Employer is not responsible for the completeness of the Bidding Document and its Addenda, if they were not obtained directly from the source stated by the Employer in the Invitation for Bids.
 - 6.4 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.
- 7. **Clarification of Bidding Document, Site Visit, Pre-Bid Meeting**
 - 7.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Employer in writing at the Employer's address indicated in the BDS or raise his inquiries during the pre-bid meeting if provided for in accordance with ITB 7.4. The Employer will respond in writing to any request for clarification, provided that such request is received no later than twenty-one (21) days prior to the deadline for submission of bids. The Employer shall forward copies of its response to all Bidders who have acquired the Bidding Document in

accordance with ITB 6.3, including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so following the procedure under ITB 8 and ITB 22.2.

- 7.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
- 7.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
- 7.4 The Bidder's designated representative is invited to attend a pre-bid meeting, if provided for in the BDS. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 7.5 The Bidder is requested, as far as possible, to submit any questions in writing, to reach the Employer not later than one week before the meeting.
- 7.6 Minutes of the pre-bid meeting, including the text of the questions raised, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Document in accordance with ITB 6.3. Any modification to the Bidding Document that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an addendum pursuant to ITB 8 and not through the minutes of the pre-bid meeting.
- 7.7 Nonattendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.

8. Amendment of Bidding Document

- 8.1 At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Document by issuing addenda.
- 8.2 Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document from the Employer in accordance with ITB 6.3.
- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB 22.2

C. Preparation of Bids

- 9. Cost of Bidding** 9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 10. Language of Bid** 10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer, shall be written in the language specified in the BDS. 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 the language specified in the BDS, in which case, for purposes of interpretation of the Bid, such translation shall govern.
- 11. Documents Comprising the Bid** 11.1 The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid containing the documents listed in ITB 11.2 and the other the Price Bid containing the documents listed in ITB 11.3, both envelopes enclosed together in an outer single envelope.
- 11.2 The Technical Bid shall comprise the following:
- (a) Letter of Technical Bid;
 - (b) Bid Security or Bid Securing Declaration, in accordance with ITB 19;
 - (c) alternative bids, if permissible, in accordance with ITB 13;
 - (d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.2;
 - (e) documentary evidence in accordance with ITB 17 establishing the Bidder's qualifications to perform the contract;
 - (f) Technical Proposal in accordance with ITB 16;
 - (g) Any other document required in the BDS.
- 11.3 The Price Bid shall comprise the following:
- (a) Letter of Price Bid;
 - (b) completed Price Schedules, in accordance with ITB 12 and 14;
 - (c) Itemized breakdown of the lump sum price per house type including detailed estimates showing how the unit prices have been derived;
 - (d) alternative price bids, at Bidder's option and if permissible, in accordance with ITB 13;
 - (e) Any other document required in the BDS.
- 11.4 In addition to the requirements under ITB 11.2, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement.

- 12. Letters of Bid, and Schedules**
- 12.1 The Letters of Technical Bid and Price Bid, and the Schedules, including the Bill of Quantities, shall be prepared using the relevant forms furnished in Section 4 (Bidding Forms). The forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 13. Alternative Bids**
- 13.1 Unless otherwise indicated in the BDS, alternative bids shall not be considered.
- 13.2 When alternative times for completion are explicitly invited, a statement to that effect will be included in the BDS, as will the method of evaluating different times for completion.
- 13.3 Except as provided under ITB 13.4 below, Bidders wishing to offer technical alternatives to the requirements of the Bidding Document must first price the Employer's design as described in the Bidding Document and shall further provide all information necessary for a complete evaluation of the alternative by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the lowest evaluated Bidder conforming to the basic technical requirements shall be considered by the Employer.
- 13.4 When specified in the BDS, Bidders are permitted to submit alternative technical solutions for specified parts of the Works. Such parts will be identified in the BDS and described in Section 5 (Employer's Requirements). The method for their evaluation will be stipulated in Section 3 (Evaluation and Qualification Criteria).
- 14. Bid Prices**
- 14.1 The prices quoted by the Bidder in the Letter of Price Bid and in the Bill of Quantities shall conform to the requirements specified below.
- 14.2 The Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.
- 14.3 The price to be quoted in the Letter of Price Bid, in accordance with ITB 12.1, shall be the total price of the Bid.
- 14.4 Unless otherwise provided in the BDS and the Contract, the rates and prices quoted by the Bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract. In such a case, the Bidder shall furnish the indices and weightings for the price adjustment formulae in the Tables of Adjustment Data included in Section 4 (Bidding Forms) and the Employer may require the Bidder to justify its proposed indices and weightings.
- 14.5 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 28 days prior to the

deadline for submission of bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.

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| 15. Currencies of Bid and Payment | 15.1 The unit rates and the prices shall be quoted by the bidder entirely in the currency specified in the BDS. |
| 16. Documents Comprising the Technical Proposal | 16.1 The Bidder shall furnish, as part of the Technical Bid, a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section 4 (Bidding Forms), in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time. |
| 17. Documents Establishing the Qualifications of the Bidder | <p>17.1 To establish its qualifications to perform the Contract in accordance with Section 3 (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding information sheets included in Section 4 (Bidding Forms).</p> <p>17.2 Domestic Bidders, individually or in joint ventures, applying for eligibility for domestic preference shall supply all information required to satisfy the criteria for eligibility as described in ITB 33.</p> |
| 18. Period of Validity of Bids | <p>18.1 Bids shall remain valid for the period specified in the BDS after the bid submission deadline date prescribed by the Employer. A bid valid for a shorter period shall be rejected by the Employer as nonresponsive.</p> <p>18.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Employer may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a bid security is requested in accordance with ITB 19, it shall also be extended twenty-eight (28) days beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request shall not be required or permitted to modify its Bid.</p> |
| 19. Bid Security | <p>19.1 Unless otherwise specified in the BDS, the Bidder shall furnish as part of its bid, in original form, a Bid Security in the amount as specified in the BDS.</p> <p>19.2 The bid security shall be, at the Bidder's option, in any of the following forms:</p> <ul style="list-style-type: none"> (a) an unconditional bank guarantee; (b) an irrevocable letter of credit; or (c) a cashier's or certified check; <p>all from a reputable source. In the case of a bank guarantee, the bid security shall be submitted using the Bid Security Form included in Section 4 (Bidding Forms). The form must include the complete name of the Bidder. The bid security shall be valid for twenty-eight days (28) beyond the original validity period of the bid, or beyond any period of</p> |

extension if requested under ITB 18.2.

- 19.3 Any Bid not accompanied by an enforceable and compliant bid security, if one is required in accordance with ITB 19.1, shall be rejected by the Employer as nonresponsive.
- 19.4 The bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the performance security pursuant to ITB 39.
- 19.5 The bid security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required performance security.
- 19.6 The bid security may be forfeited:
 - (a) if a Bidder withdraws its bid during the period of bid validity pursuant to ITB 18.1, except as provided in ITB 18.2 or
 - (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB 38; or
 - (ii) furnish a performance security in accordance with ITB 39.
- 19.7 The Bid Security of a JV shall be in the name of the JV that submits the Bid. If the JV has not been legally constituted at the time of bidding, the Bid Security shall be in the names of all future partners as named in the letter of intent mentioned in ITB 4.1.

20. Format and Signing of Bid

- 20.1 The Bidder shall prepare one original of the Technical Bid and one original of the Price Bid comprising the Bid as described in ITB 11 and clearly mark it "ORIGINAL - TECHNICAL BID" and "ORIGINAL - PRICE BID". Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked "ALTERNATIVE". In addition, the Bidder shall submit copies of the Technical and Price Bids, in the number specified in the **BDS**, and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 20.2 The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid, except for unamended printed literature, shall be signed or initialed by the person signing the bid.
- 20.3 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

D. Submission and Opening of Bids

21. Sealing and Marking of Bids

- 21.1 The Bidder shall enclose the original of the Technical Bid, the original of the Price Bid, and each copy of the Technical Bid and each copy of the Price Bid, in separate sealed envelopes, duly marking the

envelopes as “ORIGINAL - TECHNICAL BID”, “ORIGINAL - PRICE BID” and “COPY NO... - TECHNICAL BID” and “COPY NO.... - PRICE BID.” These envelopes, the first containing the originals and the others containing copies, shall then be enclosed in one single envelope per set. If permitted in accordance with ITB 13, alternative bids shall be similarly sealed, marked and included in the sets.

21.2 The inner and outer envelopes shall:

- (a) bear the name and address of the Bidder;
- (b) be addressed to the Employer in accordance with BDS 22.1; and
- (c) bear the specific identification of this bidding process indicated in the BDS 1.1.

21.3 The outer envelopes and the inner envelopes containing the Technical Bid shall bear a warning not to open before the time and date for the opening of Technical Bid, in accordance with ITB Sub-Clause 25.1.

21.4 The inner envelopes containing the Price Bid shall bear a warning not to open until advised by the Employer in accordance with ITB Sub-Clause 25.7.

21.5 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the bid.

22. Deadline for Submission of Bids

22.1 Bids must be received by the Employer at the address and no later than the date and time indicated in the BDS. When so specified in the BDS, Bidders shall have the option of submitting their Bids electronically. Bidders submitting bids electronically shall follow the electronic bid submission procedures specified in the BDS.

22.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Document in accordance with ITB 8, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

23. Late Bids

23.1 The Employer shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB 22. Any bid received by the Employer after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

24. Withdrawal, Substitution, and Modification of Bids

24.1 A Bidder may withdraw, substitute, or modify its Bid – Technical or Price – after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 20.2, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:

- (a) prepared and submitted in accordance with ITB 20 and ITB 21 (except that withdrawal notices do not require copies), and in

addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," "MODIFICATION," and

- (b) received by the Employer prior to the deadline prescribed for submission of bids, in accordance with ITB 22.

24.2 Bids requested to be withdrawn in accordance with ITB 24.1 shall be returned unopened to the Bidders.

24.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof.

25. Bid Opening

25.1 The Employer shall open the Technical Bids in public at the address, date and time specified in the BDS in the presence of Bidders' designated representatives and anyone who choose to attend. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB 22.1, shall be as specified in the BDS. The Price Bids will remain unopened and will be held in custody of the Employer until the specified time of their opening.

25.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening.

25.3 Second, outer envelopes marked "SUBSTITUTION" shall be opened. The inner envelopes containing the Substitution Technical Bid and/or Substitution Price Bid shall be exchanged for the corresponding envelopes being substituted, which are to be returned to the Bidder unopened. Only the Substitution Technical Bid, if any, shall be opened, read out, and recorded. Substitution Price Bid will remain unopened in accordance with ITB Sub-Clause 25.1. No envelope shall be substituted unless the corresponding Substitution Notice contains a valid authorization to request the substitution and is read out and recorded at bid opening.

25.4 Next, outer envelopes marked "MODIFICATION" shall be opened. No Technical Bid and/or Price Bid shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at the opening of Technical Bids. Only the Technical Bids, both Original as well as Modification, are to be opened, read out, and recorded at the opening. Price Bids, both Original as well as Modification, will remain unopened in accordance with ITB Sub-Clause 25.1.

25.5 All other envelopes holding the Technical Bids shall be opened one at a time, and the following read out and recorded:

- (a) the name of the Bidder;

- (b) whether there is a modification or substitution;
- (c) the presence of a Bid Security, if required; and
- (d) any other details as the Employer may consider appropriate.

Only Technical Bids and alternative Technical Bids read out and recorded at bid opening shall be considered for evaluation. No Bid shall be rejected at the opening of Technical Bids except for late bids, in accordance with ITB Sub-Clause 23.1.

25.6 The Employer shall prepare a record of the opening of Technical Bids that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; alternative proposals; and the presence or absence of a bid security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

25.7 At the end of the evaluation of the Technical Bids, the Employer will invite bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Price Bids. The date, time, and location of the opening of Price Bids will be advised in writing by the Employer. Bidders shall be given reasonable notice of the opening of Price Bids.

25.8 The Employer will notify Bidders in writing who have been rejected on the grounds of their Technical Bids being substantially non-responsive to the requirements of the Bidding Document and return their Price Bids unopened.

25.9 The Employer shall conduct the opening of Price Bids of all Bidders who submitted substantially responsive Technical Bids, in the presence of Bidders' representatives who choose to attend at the address, date and time specified by the Employer. The Bidder's representatives who are present shall be requested to sign a register evidencing their attendance.

25.10 All envelopes containing Price Bids shall be opened one at a time and the following read out and recorded:

- (a) the name of the Bidder;
- (b) whether there is a modification or substitution;
- (c) the Bid Prices, including any alternative offer; and
- (d) any other details as the Employer may consider appropriate.

Only Price Bids and alternative offers read out and recorded during the opening of Price Bids shall be considered for evaluation. No Bid shall be rejected at the opening of Price Bids.

25.11 The Employer shall prepare a record of the opening of Price Bids that shall include, as a minimum: the name of the Bidder, the Bid Price,

and alternative offers. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

E. Evaluation and Comparison of Bids

- | | |
|--|--|
| 26. Confidentiality | <p>26.1 Information relating to the examination, evaluation, comparison, and postqualification 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 on Contract award is communicated to all Bidders.</p> <p>26.2 Any attempt by a Bidder to influence the Employer in the evaluation of the bids or Contract award decisions may result in the rejection of its Bid.</p> <p>26.3 Notwithstanding ITB 26.2, from the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Employer on any matter related to the bidding process, it may do so in writing.</p> |
| 27. Clarification of Bids | <p>27.1 To assist in the examination, evaluation, and comparison of the Technical and Price Bids, the Employer may, at its discretion, ask any Bidder for a clarification of its bid. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change in the substance of the Technical Bid or prices in the Price Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Price Bids, in accordance with ITB 31.</p> <p>27.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its bid may be rejected.</p> |
| 28. Deviations, Reservations, and Omissions | <p>28.1 During the evaluation of bids, the following definitions apply:</p> <ul style="list-style-type: none"> (a) "Deviation" is a departure from the requirements specified in the Bidding Document; (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and (c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Document. |
| 29. Preliminary Examination of Technical Bids | <p>29.1 The Employer shall examine the Technical Bid to confirm that all documents and technical documentation requested in ITB Sub-Clause 11.2 have been provided, and to determine the completeness of each document submitted.</p> <p>29.2 The Employer shall confirm that the following documents and information have been provided in the Technical Bid. If any of these</p> |

documents or information is missing, the offer shall be rejected.

- (a) Letter of Technical Bid;
- (b) written confirmation of authorization to commit the Bidder;
- (c) Bid Security, if applicable;
- (d) Technical Proposal in accordance with ITB 16 **including the additional documents required in ITB 11.2 (g) of the BDS.**

30. Responsiveness of Technical Bid

- 30.1 The Employer's determination of a Bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB11.
- 30.2 A substantially responsive Technical Bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,
- (a) if accepted, would:
 - (i) affect in any substantial way the scope, quality, or performance of the Works specified in the Contract; or
 - (ii) limit in any substantial way, inconsistent with the Bidding Document, the Employer's rights or the Bidder's obligations under the proposed Contract; or
 - (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.
- 30.3 The Employer shall examine the technical aspects of the Bid submitted in accordance with ITB 16, Technical Proposal, in particular, to confirm that all requirements of Section 5 (Employer's Requirements) have been met without any material deviation or reservation.
- 30.4 If a bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

31. Nonmaterial Nonconformities

- 31.1 Provided that a bid is substantially responsive, the Employer may waive any nonconformities in the Bid that do not constitute a material deviation, reservation or omission.
- 31.2 Provided that a Technical Bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the Price Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 31.3 Provided that a Technical Bid is substantially responsive, the Employer shall rectify nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component. The adjustment shall be made using the method indicated

in Section 3 (Evaluation and Qualification Criteria).

32. Qualification of the Bidder

- 32.1 The Employer shall determine to its satisfaction during the evaluation of Technical Bids whether Bidders meet the qualifying criteria specified in Section 3 (Evaluation and Qualification Criteria).
- 32.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17.1.
- 32.3 An affirmative determination shall be a prerequisite for the opening and evaluation of a Bidder's Price Bid. A negative determination shall result into the disqualification of the Bid, in which event the Employer shall return the unopened Price Bid to the Bidder.

33. Correction of Arithmetical Errors

- 33.1 During the evaluation of Price Bids, the Employer shall correct arithmetical errors on the following basis:
- (a) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 33.2 If the Bidder that submitted the lowest evaluated bid does not accept the correction of errors, its Bid shall be disqualified and its bid security may be forfeited.

34. Evaluation of Price Bids

- 34.1 The Employer shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.
- 34.2 To evaluate the Price Bid, the Employer shall consider the following:
- (a) the bid price, excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities, but including Daywork items, where priced competitively;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB 33.1;
 - (c) adjustment for nonconformities in accordance with ITB 31.3;
 - (d) application of all the evaluation factors indicated in Section 3 (Evaluation and Qualification Criteria);
- 34.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the

Contract, shall not be taken into account in bid evaluation.

- 34.4 If the Bid is seriously unbalanced or front loaded in the opinion of the Employer, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

35. Employer's Right to Accept Any Bid, and to Reject Any or All Bids

- 35.1 The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

F. Award of Contract

36. Award Criteria

- 36.1 The Employer shall award the Contract to the Bidder whose offer has been determined to be the best-value-for-money bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

37. Notification of Award

- 37.1 Prior to the expiration of the period of bid validity, the Employer shall notify the successful Bidder, in writing, that its Bid has been accepted.
- 37.2 At the same time, the Employer will publish in its website the results identifying the bid and the following information: (i) name of each Bidder who submitted a Bid; (ii) bid prices as read out at bid opening; (iii) name and evaluated prices of each Bid that was evaluated; (iv) name of bidders whose bids were rejected and the reasons for their rejection; and (v) name of the winning Bidder, and the price it offered, as well as the duration and summary scope of the contract awarded. After publication of the award, unsuccessful bidders may request in writing to the Employer for a debriefing seeking explanations on the grounds on which their bids were not selected. The Employer shall promptly respond in writing to any unsuccessful Bidder who, after Publication of contract award, requests a debriefing.
- 37.3 Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.

38. Signing of Contract

- 38.1 Promptly after notification, the Employer shall send the successful Bidder the Contract Agreement.
- 38.2 Within fourteen (14) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Employer.

39. Performance Security

- 39.1 Within fourteen (14) days of the receipt of notification of award from the Employer, the successful Bidder shall furnish the performance security in accordance with the conditions of contract, subject to ITB 34.4, using for that purpose the Performance Security Form included in Section 8 (Contract Forms), or another form acceptable to the Employer.
- 39.2 Failure of the successful Bidder to submit the above-mentioned

Performance Security or to sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security. In that event the Employer may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.

Section 2 - Bid Data Sheet

This section consists of provisions which supplement the information or requirements included in Section I. Instructions to Bidders.

A. Introduction

ITB 1.1	The Employer is: OFFICE OF THE PRIME MINISTER ON BEHALF OF THE GOVERNMENT OF THE DEMOCRATIC REPUBLIC OF TIMOR LESTE
ITB 1.1	<p>The name of the ICB is: CONSTRUCTION OF NEW HOUSES (TIMOR-LESTE MDG PROJECT)</p> <p>The identification number of the ICB is: ICB/012/MOF-2011</p> <p>The number and identification of lots comprising this ICB is: NOT APPLICABLE</p>

B. Bidding Documents

ITB 7.1	<p>For <u>clarification purposes</u> only, the Employer's address is:</p> <p>Attention: PETER PEASE Acting Coordinator, National Procurement Commission</p> <p>Address: 3rd Floor, Land and Property Management Building, Colmera, Dili - Timor-Leste</p> <p>Telephone: +670 730 4290</p> <p>Email address: ppease@mof.gov.tl</p>
ITB 7.4	<p>A Pre-Bid meeting shall take place at the following date, time and place:</p> <p>Time: 30 June 2011; 1500 hours local time</p> <p>Place: Office of the National Procurement Commission 3rd Floor, Land Transport Building, Colmera, Dili - Timor-Leste</p>

C. Preparation of Bids

ITB 10.1	The language of the bid is: ENGLISH
ITB 11.2 (g)	<p>The Bidder shall submit with its Technical Bid the following additional documents:</p> <p>a) Brochure providing details of the specification of each component of the proposed prefabricated house;</p>

	<p>b) The design life of the proposed pre-fabricated house must be provided;</p> <p>c) Design calculations showing that the proposed pre-fabricated house is structurally safe and of such quality as to last up to the intended design life;</p> <p>d) Bidder shall also submit verifiable record of where the proposed pre-fabricated house has been already installed. This will include the number of houses installed, the name and contact details of the client, the year of installation, and any other relevant information; and</p> <p>e) If the Bidder is not the manufacturer of the prefabricated house, the Bidder must submit a certification from the manufacturer to demonstrate that it has been duly authorized by the manufacturer to supply these prefabricated house in Timor-Leste.</p>
ITB 13.1	Alternative bids SHALL BE permitted.
ITB 13.2	Alternative times for completion SHALL NOT be permitted.
ITB 13.4	Alternative technical solutions shall be permitted for the following parts of the Works: NIL
ITB 14.5	The prices quoted by the Bidder shall be: FIXED; i.e. not subject to price adjustment due to rises or falls in the cost of labor, goods and other inputs to the Works.
ITB 15.1	<p>The unit rates and the prices shall be quoted by the bidder entirely in UNITED STATES DOLLAR (USD).</p> <p>Payment shall be made in UNITED STATES DOLLAR (USD).</p>
ITB 18.1	The bid validity period shall be: NINETY (90) DAYS
ITB 19.1	A Bid Security IS REQUIRED . The amount and currency of the bid security shall be TWO MILLION US DOLLARS (USD2,000,000)
ITB 20.1	In addition to the original of the bid, the number of copies is: TWO
ITB 20.2	<p>The written confirmation of authorization to sign on behalf of the Bidder shall consist of:</p> <p><i>(a) A Power of Attorney with appropriate certification of signatory's authority.</i></p> <p><i>(b) Bids submitted by an existing or intended JV shall include an undertaking signed by all parties (i) stating that all parties shall be</i></p>

	<i>jointly and severally liable, and (ii) nominating a Representative who shall have the authority to conduct all business for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.</i>
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D. Submission and Opening of Bids

ITB 22.1	<p>For <u>bid submission purposes</u> only, the Employer's address is:</p> <p>TENDER BOX Office of the National Procurement Commission 3rd Floor, Land and Property Management Building, Colmera, Dili, Timor Leste</p> <p>The deadline for bid submission is: Date: 18 JULY 2011; Time: 1600 HOURS TIMOR LESTE TIME</p>
ITB 22.1	Electronic bid submission IS NOT permitted.
ITB 25.1	<p>The Technical bid opening shall take place at:</p> <p>Address: Office of the National Procurement Commission 3rd Floor, Land Transport Building, Colmera, Dili, Timor Leste</p> <p>Date: 18 July 2011 Time: 16:00 hours</p>
ITB 25.1	Electronic bid opening procedure shall be as follows: NOT APPLICABLE

Section 4 - Bidding Forms

This Section contains the forms which are to be completed by the Bidder and submitted as part of his Bid.

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Form EXP – 2(a): Specific Construction Experience	21
Bill of Quantities	22

1. Evaluation

In addition to the criteria specified in the Instruction to Bidders, the following criteria shall apply:

1.1 Adequacy of Technical Proposal

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section 5 (Employer's Requirements).

1.2 Completion Time

The Works must be completed within the completion period specified in Section 9 – Appendix to Tender. No credit will be given for proposed completion periods earlier than that specified.

Bids offering a completion period longer than that specified in Section 9 – Appendix to Tender shall be considered as non-responsive.

2. Qualification

2.1 Eligibility

Criteria	Compliance Requirements				Documents
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	

2.1.1 Conflict of Interest

No conflicts of interest in accordance with ITB Sub-Clause 4.3.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	Letter of Bid
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2.1.2 Not Sanctioned by Employer

Not having been declared ineligible by the Employer, as described in ITB Sub-Clause 4.4.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	Letter of Bid
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2.2 Pending Litigation

Criteria	Compliance Requirements				Documents
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	

2.2.1 Pending Litigation

All pending litigation shall be treated as resolved against the Bidder and so shall in total not represent more than 50% of the Bidder's net worth.	must meet requirement by itself or as partner to past or existing JV	not applicable	must meet requirement by itself or as partner to past or existing JV	not applicable	Form LIT - 1
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2.3 Financial Situation

Criteria	Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture		Submission Requirements
		All Partners Combined	Each Partner	

2.3.1 Historical Financial Performance

Submission of audited balance sheets or, if not required by the law of the Bidder's country, other financial statements acceptable to the Employer, for the last three (3) years to demonstrate the current soundness of the Bidders financial position and its prospective long-term profitability. As a minimum, a Bidder's net worth calculated as the difference between total assets and total liabilities should be positive.	must meet requirement	not applicable	must meet requirement	not applicable	Form FIN - 1 with attachments
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2.3.2 Financial Resources

Using Forms FIN – 3 and FIN - 4 in Section 4 (Bidding Forms) the Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet: a) the following cash-flow requirement – US\$ 15,000,000 , and b) the overall cash flow requirements for this contract and its current works commitment.	must meet requirement	must meet requirement	must meet at least 15% of the requirement	must meet at least 40% of the requirement	Form FIN - 3
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2.4 Experience

Criteria	Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture		Submission Requirements
		All Partners Combined	Each Partner	

2.4.1 General Construction Experience

Experience in construction contracts in the role of contractor, subcontractor, or management contractor for at least the last TEN (10) YEARS prior to the bid submission.	must meet requirement	not applicable	must meet requirement	not applicable	Form EXP - 1
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2.4.2 Specific Construction Experience

(a) Contracts of Similar Size and Nature

Record of successful completion of at least ONE (1) CONSTRUCTION CONTRACT WITHIN THE LAST TEN YEARS , which are similar in nature and of the same magnitude as the proposed Works. The similarity shall be based on the physical size, complexity, methods, technology or other characteristics as described in Section 5 (Employer's Requirements)	must meet requirement	must meet requirement	not applicable	not applicable	Form EXP - 2(a)
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2.5 Manufacturing Capacity

The prefabricated house manufacturer must have adequate and available capacity needed to supply the number of prefabricated house components within the time frame required under the contract.

The Bidder shall submit as part of its bid the Company Profile of the prefabricated house manufacturer and all necessary information to allow the Employer to assess the manufacturer's capacity.

2.5 Personnel

The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements:

No.	Position	Total Work Experience [years]	Experience In Similar Work [years]
1	<i>Project Manager (Civil Engineer or Architect)</i>	15	10
2	<i>Site Engineers (minimum of six persons)</i>	10	5
3	<i>Health & Safety Officer</i>	10	5
4	<i>Quality Assurance Representative (at least 2 persons)</i>	10	5
5	<i>Contracts Engineer</i>	10	5
6	<i>Electrical Engineer</i>	5	3

The Bidder shall provide details of the proposed personnel and their experience records in the relevant Information Forms included in Section 4 (Bidding Forms).

2.6 Equipment

The Bidder must demonstrate that it has the key equipment required for the implementation of the Works consistent with its proposed work methodology.

The Bidder shall provide further details of proposed items of equipment using the relevant Form in Section 4 (Bidding Forms)

Section 4 - Bidding Forms

This Section contains the forms which are to be completed by the Bidder and submitted as part of his Bid.

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Form EXP – 1: General Construction Experience	20
Form EXP – 2(a): Specific Construction Experience	21
Bill of Quantities	22

Letter of Technical Bid

Date:

ICB No.:

To:

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) 8;
- (b) We offer to execute in conformity with the Bidding Documents the following Works:

- (c) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of **Ninety (90) days** from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 4.3;
- (e) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.3, other than alternative offers submitted in accordance with ITB 13;
- (f) Our firm, its affiliates or subsidiaries, including any Subcontractors or Suppliers for any part of the contract, has not been declared ineligible under the Employer's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;

Name

In the capacity of

Signed

Duly authorized to sign the Bid for and on behalf of

Date

Letter of Price Bid

Date:

ICB No.:

To:

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) 8;
- (b) We offer to execute in conformity with the Bidding Documents and the Technical Bid submitted for the following Works:

- (c) Our Bid shall be valid for a period of **Ninety (90)** days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- (e) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and
- (f) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name

In the capacity of

Signed

Duly authorized to sign the Bid for and on behalf of

Date

** If none has been paid or is to be paid, indicate "none"*

Bid Security

Bank Guarantee

.....*Bank's Name, and Address of Issuing Branch or Office*.....

Beneficiary: *Name and Address of Employer*

Date:

Bid Security No.:

We have been informed that *name of the Bidder* (hereinafter called "the Bidder") has submitted to you its bid dated (hereinafter called "the Bid") for the execution of *name of contract* under Invitation for Bids No.

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we *name of Bank* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *amount in figures* (..... *amount in words*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Agreement, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; and (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy your notification to the Bidder of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of the Bidder's bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

.....*Bank's seal and authorized signature(s)*.....

Note: All italicized text is for use in preparing this form and shall be deleted from the final document

Technical Proposal

Personnel

Equipment

Site Organization

Method Statement

Mobilization Schedule

Construction Schedule

Others

Personnel

Bidders should provide the names of suitably qualified personnel to meet the requirements specified in Section 3 (Evaluation and Qualification Criteria). The data on their experience should be supplied using the Form below for each candidate.

Form PER – 1: Proposed Personnel

1.	Title of position
	Name
2.	Title of position
	Name
3.	Title of position
	Name
4.	Title of position
	Name
5.	Title of position
	Name
6.	Title of position
	Name
7.	Title of position
	Name
8.	Title of position
	Name
9.	Title of position
	Name
10.	Title of position
	Name

Form PER – 2: Resume of Proposed Personnel

Position		
Personnel information	Name	Date of birth
	Professional qualifications	
Present employment	Name of employer	
	Address of employer	
	Telephone	Contact (manager / personnel officer)
	Fax	E-mail
	Job title	Years with present employer

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	To	Company / Project / Position / Relevant technical and management experience

Equipment

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section 3 (Evaluation and Qualification Criteria). A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.

Item of Equipment		
Equipment Information	Name of manufacturer	Model and power rating
	Capacity	Year of manufacture
Current Status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment	
	<input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured	

Omit the following information for equipment owned by the Bidder.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	

Site Organization

Method Statement

Mobilization Schedule

Construction Schedule

Bidder's Qualification

To establish its qualifications to perform the contract in accordance with Section 3 (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

Form ELI - 1: Bidder's Information Sheet

Bidder's Information	
Bidder's legal name	
In case of JV, legal name of each partner	
Bidder's country of constitution	
Bidder's year of constitution	
Bidder's legal address in country of constitution	
Bidder's authorized representative (name, address, telephone numbers, fax numbers, e-mail address)	
Attached are copies of the following original documents. <ul style="list-style-type: none"> <input type="checkbox"/> 1. In case of single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and 4.2. <input type="checkbox"/> 2. Authorization to represent the firm or JV named in above, in accordance with ITB 20.2. <input type="checkbox"/> 3. In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1. <input type="checkbox"/> 4. In case of a government-owned entity, any additional documents not covered under 1 above required to comply with ITB 4.5. 	

Form ELI - 2: JV Information Sheet

Each member of a JV must fill in this form

JV / Specialist Subcontractor Information	
Bidder's legal name	
JV Partner's or Subcontractor's legal name	
JV Partner's or Subcontractor's country of constitution	
JV Partner's or Subcontractor's year of constitution	
JV Partner's or Subcontractor's legal address in country of constitution	
JV Partner's or Subcontractor's authorized representative information (name, address, telephone numbers, fax numbers, e-mail address)	
<p>Attached are copies of the following original documents.</p> <p><input type="checkbox"/> 1. Articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and 4.2.</p> <p><input type="checkbox"/> 2. Authorization to represent the firm named above, in accordance with ITB 20.2.</p> <p><input type="checkbox"/> 3. In the case of government-owned entity, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB 4.5.</p>	

Form LIT - Pending Litigation

Each Bidder or member of a JV must fill in this form

Pending Litigation			
<input type="checkbox"/> No pending litigation in accordance with Criteria 2.2 of Section 3 (Evaluation and Qualification Criteria)			
<input type="checkbox"/> Pending litigation in accordance with Criteria 2.2 of Section 3 (Evaluation and Qualification Criteria)			
Year	Matter in Dispute	Value of Pending Claim in US\$ Equivalent	Value of Pending Claim as a Percentage of Net Worth

Form FIN - 1: Financial Situation

Each Bidder or member of a JV must fill in this form

Financial Data for Previous 3 Years [US\$ Equivalent]		
Year 1:	Year 2:	Year 3:

Information from Balance Sheet

Total Assets			
Total Liabilities			
Net Worth			
Current Assets			
Current Liabilities			

Information from Income Statement

Total Revenues			
Profits Before Taxes			
Profits After Taxes			

- ☐ Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last three years, as indicated above, complying with the following conditions.
- All such documents reflect the financial situation of the Bidder or partner to a JV, and not sister or parent companies.
 - Historic financial statements must be audited by a certified accountant.
 - Historic financial statements must be complete, including all notes to the financial statements.
 - Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

Form FIN – 2: Financial Resources

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as indicated in Section 3 (Evaluation and Qualification Criteria)

Financial Resources		
No.	Source of financing	Amount (US\$ equivalent)
1		
2		
3		

Form FIN- 4: Current Contract Commitments / Works in Progress

Bidders and each partner to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Current Contract Commitments					
No.	Name of Contract	Employer's Contact Address, Tel, Fax	Value of Outstanding Work [Current US\$ Equivalent]	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months [US\$/month]
1					
2					
3					
4					
5					

Form EXP – 1: General Construction Experience

Each Bidder or member of a JV must fill in this form

General Construction Experience				
Starting Month Year	Ending Month Year	Years	Contract Identification and Name Name and Address of Employer Brief Description of the Works Executed by the Bidder	Role of Bidder

It is mandatory to provide supporting contract documentation

Form EXP – 2(a): Specific Construction Experience

Fill up one (1) form per contract.

Contract of Similar Size and Nature		
Contract No of	Contract Identification	
Award Date		Completion Date
Role in Contract	<input type="checkbox"/> Contractor <input type="checkbox"/> Management Contractor <input type="checkbox"/> Subcontractor	
Total Contract Amount	US\$	
If partner in a JV or subcontractor, specify participation of total contract amount	Percent of Total	Amount
Employer's Name Address Telephone/Fax Number E-mail		
Description of the similarity in accordance with Criteria 2.4.2(a) of Section 3		

It is mandatory to provide supporting contract documentation

Bill of Quantities



REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE
GABINETE DO PRIMEIRO MINISTRO
AGENCIA DESENVOLVIMENTO NACIONAL

3rd Floor, Land and Property Management Building, Colmera, Dili, Timor-Leste

CONTRACT NO. : ICB/012/OPM-2011
PROJECT TITLE : CONSTRUCTION OF NEW HOUSES (TIMOR-LESTE MDG PROJECT)
LOCATION: TIMOR-LESTE

SUMMARY OF SCHEDULE OF PRICES

ITEM NO.	DESCRIPTION	TOTAL PRICE (US Dollar)
A.	Supply of Prefabricated Materials	\$
B.	Delivery to site of the prefabricated materials, supply of the solar power system and supply of all other materials, provision of all labor, tools, and equipment necessary to construct the house complete-in-place in accordance with the Drawings, Specifications, and the approved Contractor Design for the prefabricated house.	
B.1	Ainaro	\$
B.2	Aileu	\$
B.3	Baucau	\$
B.4	Bobonaro	\$
B.5	Covalima	\$
B.6	Dili	\$
B.7	Ermera	\$
B.8	Liquica	\$
B.9	Lautem	\$
B.10	Manufahi	\$
B.11	Manatuto	\$
B.12	Oecusse	\$
B.13	Viqueque	\$
C.	Supply and Installation of Solar Cell System	\$
	TOTAL BID PRICE	\$

Total Bid Price in Words:

Bidder's Name: _____

Printed Name of Authorized Signatory: _____

Designation: _____

Signature: _____



REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE

GABINETE DO PRIMEIRO MINISTRO

AGENCIA DESENVOLVIMENTO NACIONAL

3rd Floor, Land and Property Management Building, Colmera, Dili, Timor-Leste

CONTRACT NO. : **ICB/012/OPM-2011**

PROJECT TITLE : **CONSTRUCTION OF NEW HOUSES (TIMOR-LESTE MDG PROJECT)**

LOCATION: : **TIMOR-LESTE**

BILL OF QUANTITIES

Item No.	Description	Unit	Quantity	Unit Price (US\$)	Amount (US\$)
A.	Supply of Prefabricated Materials				
A.1	Type 36	each	4,456		\$
A.2	Type 50	each	6,684	\$	\$
A.3	Type 70	each	130	\$	\$
A.4	Type 140	each	585	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$
B.	Delivery to site of all materials, provision of all labor, tools, and equipment necessary to construct the house complete-in-place in accordance with the Drawings, Specifications, and the approved Contractor Design for the prefabricated house, except the solar power system which shall be paid separately.				
B.1	AINARO DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	262	\$	\$
b.	Kitchen and Toilet complete-in-place	each	262	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	393	\$	\$
b.	Kitchen and Toilet complete-in-place	each	393	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	36	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$
B.2	AILEU DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	278	\$	\$
b.	Kitchen and Toilet complete-in-place	each	278	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	417	\$	\$
b.	Kitchen and Toilet complete-in-place	each	417	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	36	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$



REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE

GABINETE DO PRIMEIRO MINISTRO

AGENCIA DESENVOLVIMENTO NACIONAL

3rd Floor, Land and Property Management Building, Colmera, Dili, Timor-Leste

CONTRACT NO. : **ICB/012/OPM-2011**

PROJECT TITLE : **CONSTRUCTION OF NEW HOUSES (TIMOR-LESTE MDG PROJECT)**

LOCATION: : **TIMOR-LESTE**

BILL OF QUANTITIES

Item No.	Description	Unit	Quantity	Unit Price (US\$)	Amount (US\$)
B.3	BAUCAU DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	572	\$	\$
b.	Kitchen and Toilet complete-in-place	each	572	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	858	\$	\$
b.	Kitchen and Toilet complete-in-place	each	858	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	54	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$

B.4	BOBONARO DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	386	\$	\$
b.	Kitchen and Toilet complete-in-place	each	386	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	579	\$	\$
b.	Kitchen and Toilet complete-in-place	each	579	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	54	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$

B.5	COVALIMA DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	294	\$	\$
b.	Kitchen and Toilet complete-in-place	each	294	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	441	\$	\$
b.	Kitchen and Toilet complete-in-place	each	441	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	63	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$



REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE

GABINETE DO PRIMEIRO MINISTRO

AGENCIA DESENVOLVIMENTO NACIONAL

3rd Floor, Land and Property Management Building, Colmera, Dili, Timor-Leste

CONTRACT NO. : **ICB/012/OPM-2011**

PROJECT TITLE : **CONSTRUCTION OF NEW HOUSES (TIMOR-LESTE MDG PROJECT)**

LOCATION: : **TIMOR-LESTE**

BILL OF QUANTITIES

Item No.	Description	Unit	Quantity	Unit Price (US\$)	Amount (US\$)
B.6	DILI DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	482	\$	\$
b.	Kitchen and Toilet complete-in-place	each	482	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	723	\$	\$
b.	Kitchen and Toilet complete-in-place	each	723	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	54	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$
B.7	ERMERA DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	550	\$	\$
b.	Kitchen and Toilet complete-in-place	each	550	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	825	\$	\$
b.	Kitchen and Toilet complete-in-place	each	825	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	45	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$
B.8	LIQUICA DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	268	\$	\$
b.	Kitchen and Toilet complete-in-place	each	268	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	402	\$	\$
b.	Kitchen and Toilet complete-in-place	each	402	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	27	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$



REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE

GABINETE DO PRIMEIRO MINISTRO

AGENCIA DESENVOLVIMENTO NACIONAL

3rd Floor, Land and Property Management Building, Colmera, Dili, Timor-Leste

CONTRACT NO. : **ICB/012/OPM-2011**

PROJECT TITLE : **CONSTRUCTION OF NEW HOUSES (TIMOR-LESTE MDG PROJECT)**

LOCATION: : **TIMOR-LESTE**

BILL OF QUANTITIES

Item No.	Description	Unit	Quantity	Unit Price (US\$)	Amount (US\$)
B.9	LAUTEM DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	302	\$	\$
b.	Kitchen and Toilet complete-in-place	each	302	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	453	\$	\$
b.	Kitchen and Toilet complete-in-place	each	453	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	45	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$
B.10	MANUFAHI DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	274	\$	\$
b.	Kitchen and Toilet complete-in-place	each	274	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	411	\$	\$
b.	Kitchen and Toilet complete-in-place	each	411	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	36	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$
B.11	MANATUTO DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	196	\$	\$
b.	Kitchen and Toilet complete-in-place	each	196	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	294	\$	\$
b.	Kitchen and Toilet complete-in-place	each	294	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	54	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$



REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE

GABINETE DO PRIMEIRO MINISTRO

AGENCIA DESENVOLVIMENTO NACIONAL

3rd Floor, Land and Property Management Building, Colmera, Dili, Timor-Leste

CONTRACT NO. : **ICB/012/OPM-2011**

PROJECT TITLE : **CONSTRUCTION OF NEW HOUSES (TIMOR-LESTE MDG PROJECT)**

LOCATION: : **TIMOR-LESTE**

BILL OF QUANTITIES

Item No.	Description	Unit	Quantity	Unit Price (US\$)	Amount (US\$)
B.12	OECUSSE DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	124	\$	\$
b.	Kitchen and Toilet complete-in-place	each	124	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	186	\$	\$
b.	Kitchen and Toilet complete-in-place	each	186	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	36	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$
B.13	VIQUEQUE DISTRICT				
1)	House - Type 36				
a.	Prefabricated House complete-in-place	each	468	\$	\$
b.	Kitchen and Toilet complete-in-place	each	468	\$	\$
2)	House - Type 50				
a.	Prefabricated House complete-in-place	each	702	\$	\$
b.	Kitchen and Toilet complete-in-place	each	702	\$	\$
3)	House - Type 70				
a.	Prefabricated House complete-in-place	each	10	\$	\$
4)	House - Type 140				
a.	Prefabricated House complete-in-place	each	45	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$
C.	Supply and Installation of Solar Cell System				
C.1	Type 36	each	4,456		\$
C.2	Type 50	each	6,684	\$	\$
C.3	Type 70	each	130	\$	\$
C.4	Type 140	each	585	\$	\$
	SUB-TOTAL (carry forward to Summary)				\$

Section 5 - Employer's Requirements

This Section contains the Specification, the Drawings, and supplementary information that describe the Works to be procured.

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Supplemental Specifications	5-14
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Project Brief

Description of Works

The Government of the Democratic Republic of Timor-Leste has programmed the construction of a very significant number of new houses in all of the thirteen districts of the country, as part of its Millennium Development Goals.

In order to complete the construction of the houses on a tight timeframe, it is envisaged that the houses will be made of prefabricated materials consisting of corrosion-resistant light steel structure and standard components designed to produce a durable house that is fit-for-purpose, water-proof, structurally safe, well-ventilated and adequately-insulated such as to keep the house cool-enough even during the hottest summer temperatures.

There will be four types of houses to be built and the basic features are shown in the Drawings. These are briefly summarized as follows:

Type 36	Contractor-designed prefabricated house with floor area of about 36 square meters and with two bedrooms. Separate kitchen and toilet using conventional construction as per Drawings and Specifications.
Type 50	Contractor-designed prefabricated house with floor area of about 50 square meters and with a master bedroom plus two smaller bedrooms. Separate kitchen and toilet using conventional construction as per Drawings and Specifications.
Type 70	Contractor-designed prefabricated house with floor area of about 70 square meters. The prefabricated house shall have a master bedroom and two other smaller bedrooms; each bedroom has its own toilet. The house shall also have a kitchen, living room, terrace as shown in the Drawings.
Type 140	Contractor-designed prefabricated house; duplex-type with each unit having a floor area of about 70 square meters and with a master bedroom and two other smaller bedrooms. Each bedroom has its own toilet and the house shall also have a kitchen, living room, terrace as shown in the Drawings.

A total of about 55,000 houses of various types shall be constructed over a five-year period however, for this initial contract on tender the Bidders are invited to submit bids for the number and type of house as shown below:

District	Number of Houses			
	Type 36	Type 50	Type 70	Type 140
Ainaro	262	393	10	36
Aileu	278	417	10	36
Baucau	572	858	10	54
Bobonaro	386	579	10	54
Covalima	294	441	10	63
Dili	482	723	10	54
Ermera	550	825	10	45
Liquica	268	402	10	27
Lautem	302	453	10	45
Manufahi	274	411	10	36
Manatuto	196	294	10	54
Oecusse	124	186	10	36
Viqueque	468	702	10	45
TOTALS	4,456	6,684	130	585

Land Acquisition

The Employer is in the process of identifying and acquiring the lots where the houses will be constructed and it is anticipated that the required lots will be acquired in time such as to avoid any delay in the construction, which is expected to commence by August 2011.

The intent of the contract is to have the house constructed on a fairly level land where no significant earthworks will be required except for the routine soil surface stripping to remove grass, roots, and other unsuitable materials. If the land selected will require backfilling or excavation outside of the routine stripping works above-mentioned, the Employer shall be responsible for such additional work. Alternatively, the Employer may instruct the Contractor to undertake such extra works and this shall entitle the Contractor to a Variation Order in accordance with Clause 13 of the Conditions of Contract.

Implementation Arrangement

It is envisaged that an experienced Contractor shall enter into a joint venture with a prefabricated house manufacturer for the implementation of the works under this contract. The manufacturer shall supply the prefabricated house components and shall also provide experienced engineers and technicians/workers who have expertise in the installation of prefabricated houses.

In order to contribute to the development, the Contractor is obligated to hire and train workers from the local community to the maximum extent possible. **As a minimum, at least 50% of the Contractor's workforce shall be from the local community.**

The Contractor is also obligated to use locally-sourced materials to the maximum extent possible.

The Bidder is required to submit with its bid a detailed methodology and work program to complete the works within the contract completion timeframe of one-year. If awarded the contract, this detailed methodology and program shall be further refined and agreed between the Employer and the Contractor, prior to the commencement of the works at site.

Payment Terms

- a) **Advance Payment:** Ten (10) percent of the Contract Price shall be paid within thirty (30) days of signing of the Contract, and upon submission of claim and a bank guarantee for equivalent amount valid until the Advance Payment has been repaid;
- b) **Progress Payment:**
 - **For the supply of prefabricated house materials (Item A of the Bill of Quantities):** Sixty-Five (65) percent of the contract price for such materials payable upon shipment and submission of the following documents:
 - 2 copies of the invoice showing the description of the Goods, quantity, unit price, and total amount;
 - original and 2 copies of the negotiable, clean, on-board bill of lading;
 - 2 copies of the packing list identifying contents of each package;
 - insurance certificate (110% of the value of the goods);
 - Manufacturer's certificate of origin;
 - Inspection certificate, issued by the nominated inspection agency and the Supplier's inspection report.
 - **For the delivery to site of the prefabricated materials and construction of the house (Item B of the Bill of Quantities):** Payment shall be made upon full and satisfactory completion of each house including separate kitchen/toilets complete-in-place in accordance with the Drawings, Specifications, and the approved Contractor Design for the prefabricated house, including the Solar Cell System under Item C has also completed.

- **For the supply and installation of the solar cell system:** Payment shall be made upon full and satisfactory completion of each house including separate kitchen/toilets complete-in-place in accordance with the Drawings, Specifications, and the approved Contractor Design.
- **The above progress payments shall be subject to deduction of Retention Money in accordance with the Conditions of Contract.**

Technical Specifications

The “**Technical Specification for New Construction of MDG House**” issued by the RDTL National Development Agency (NDA) shall apply to this Contract.

Supplemental Specifications are also issued as part of this Section 5 of the Bidding Documents and are intended to amend and/or supplement the above-mentioned Technical Specifications. Whenever there is conflict, the provisions of the Supplemental Specifications shall govern over those of the Technical Specifications.

“Technical Specification for New Construction of MDG House”

issued by the RDTL National Development Agency (NDA)

I. SPECIFICATION FOR NEW CONSTRUCTION OF TOILET, KITCHEN & SANITATION WORKS

1.1. Preparation Works

1.1.1. Bow plank

1.1.2. Water for works

Water for the mixture of concrete shall be potable water, clean, and free from deleterious amounts unwanted substance and matters like oils, acids, alkalis, salts and organic matters.

1.2. EARTH AND SAND WORKS

1.2.1. Soil Excavation For Foundation

The contractor can use machine or tradition tools to dig earth for foundation. For each of foundation dimension refer to drawings.

1.2.2. Soil Infill and Compacted

Soil infill and compaction for foundation and under the floor shall use from left of digging or from any place that is recommended or provide earth. The earth shall be compacted with compactor to meet the optimal one.

1.2.3. Sand Infill

Sand infill under the foundation and floor shall use sand fill and the thickness of sand refer to the drawing. Not recommended for using sea sand.

1.3. STONE, MASONRY WORK AND RENDERING

1.3.1. Mass Stone Foundation

Stones shall be clean crystalline stones that are sound, tough, durable, clean, free from deleterious materials/substances such as salt, oil, etc. Facing stone shall be flat with averagely square edges: At least 1 sample of skeleton stone and facing stone shall be submitted to the NDA for approval before production or usage in the project of purchasing for usage in the project or delivery to the project side.

Mix proportion: 1 part cement to 4 parts sand tide by volume.

1.3.2. Mass Block Works

The contractor shall refer to the approved plans as to the type of blocks to be used in the project. If the approved plans or Scope of Works or Bill of Quantities does not indicate the type of blocks to be used, the contractor shall use load-bearing blocks as specified hereunder. Sample must be submitted for the approval by the NDA with dimension 10cm x 20cm x 40cm.

Mixing proportion 1 part cement to 4 parts sand.

1.3.3. Wall Render

Materials shall be the same materials specified in specification. The mix proportions by volume is 1 part cement to 4 parts of sand tide. Using sea sand is not permitted.

1.4. CONCRETE WORKS

1.4.1. Concrete Slab

Materials shall be the same materials specified in specification. Materials for concrete slab consist of 1 part cement to 3 parts sand cor to 5 parts gravel.

Coarse aggregate shall be clean and free of deleterious matters. Coarse aggregate shall consist of natural river gravel, manufactured gravel, or a combination thereof. Stones comprising the coarse aggregates shall be not be more than 20mm maximum dimension or the following which ever is less: one-fifth of the narrowest dimension between sides of forms, one-third the depth of the slab, three-fourth of the minimum clear spacing between reinforcement or the clear distance between the surface of the form and adjacent reinforcement. The amount of particles smaller than 4.75mm shall not exceed 3% with the clay particles not exceeding 1.5%.

Grading Requirement: The aggregate shall have the maximum size as specified above downgraded to 4.75mm to obtain the maximum density possible.

The cement that used in the project:

Kind: Portland Cement

Type: Type 1 meets the requirements of ASTM C 150 or as instructed by NDA

Water for the mixture of concrete shall be potable water, clean, and free from deleterious amounts unwanted substance and matters like oils, acids, alkalis, salts and organic matters.

1.4.2. Reinforcement Concrete Beam

Materials shall be the same materials specified in specification. Materials for concrete slab consist of 1 part cement to 3 parts sand to 5 parts gravel.

Coarse aggregate shall be clean and free of deleterious matters. Coarse aggregate shall consist of natural river gravel, manufactured gravel, or a combination thereof. Stones comprising the coarse aggregates shall be not be more than 20mm maximum dimension or the following which ever is less: one-fifth of the narrowest dimension between sides of forms, one-third the depth of the slab, three-fourth of the minimum clear spacing between reinforcement or the clear distance between the surface of the form and adjacent reinforcement. The amount of particles smaller than 4.75mm shall not exceed 3% with the clay particles not exceeding 1.5%.

Grading Requirement: The aggregate shall have the maximum size as specified above downgraded to 4.75mm to obtain the maximum density possible.

Steel Reinforcement: The dimension of steel reinforcement that shall used in the project is Ø6mm (Ø6 – 150) for crossbar (sengkang) and Ø8mm (4Ø8) for longitudinal (tulangan utama)

The cement that used in the project:

Kind: Portland Cement

Type: Type 1 meeting the requirements of ASTM C 150 or as instructed by NDA

Water for the mixture of concrete shall be potable water, clean, and free from deleterious amounts unwanted substance and matters like oils, acids, alkalis, salts and organic matters.

For detail referred to drawings.

1.4.3. Reinforcement Concrete Column

Materials shall be the same materials specified in specification. Materials for concrete slab consist of 1 part cement to 3 parts sand to 5 parts gravel.

Coarse aggregate shall be clean and free of deleterious matters. Coarse aggregate shall consist of natural river gravel, manufactured gravel, or a combination thereof. Stones comprising the coarse aggregates shall be not be more than 20mm maximum dimension or the following which ever is less: one-fifth of the narrowest dimension between sides of forms, one-third the depth of the slab, three-fourth of the minimum clear spacing between reinforcement or the clear distance between the surface of the form and adjacent reinforcement. The amount of particles smaller than 4.75mm shall not exceed 3% with the clay particles not exceeding 1.5%.

Grading Requirement: The aggregate shall have the maximum size as specified above downgraded to 4.75mm to obtain the maximum density possible.

Steel Reinforcement: The dimension of steel reinforcement that shall used in the project is Ø6mm (Ø6 – 150) for crossbar (sengkang) and Ø8mm (4Ø8) for longitudinal (tulangan utama)

The cement that used in the project:

Kind: Portland Cement

Type: Type 1 meets the requirements of ASTM C 150 or as instructed by NDA.

Water for the mixture of concrete shall be potable water, clean, and free from deleterious amounts unwanted substance and matters like oils, acids, alkalis, salts and organic matters.

For detail referred to drawings.

1.4.4. Reinforcement Concrete Lintel

Materials shall be the same materials specified in specification. Materials for concrete slab consist of 1 part cement to 3 parts sand to 5 parts gravel.

Coarse aggregate shall be clean and free of deleterious matters. Coarse aggregate shall consist of natural river gravel, manufactured gravel, or a combination thereof. Stones comprising the coarse aggregates shall be not be more than 20mm maximum dimension or the following whichever is less: one-fifth of the narrowest dimension between sides of forms, one-third the depth of the slab,

three-fourth of the minimum clear spacing between reinforcement or the clear distance between the surface of the form and adjacent reinforcement. The amount of particles smaller than 4.75mm shall not exceed 3% with the clay particles not exceeding 1.5%.

Grading Requirement: The aggregate shall have the maximum size as specified above downgraded to 4.75mm to obtain the maximum density possible.

Steel Reinforcement: The dimension of steel reinforcement that shall used in the project is Ø6mm (Ø6 – 150) for crossbar (sengkang) and Ø8mm (4Ø8) for longitudinal (tulangan utama)

The cement that used in the project:

Kind: Portland Cement

Type: Type 1 meeting the requirements of ASTM C 150 or as instructed by NDA

Water for the mixture of concrete shall be potable water, clean, and free from deleterious amounts unwanted substance and matters like oils, acids, alkalis, salts and organic matters.

For detail referred to drawings.

1.4.5. Concrete Wash Basin Table

Materials shall be the same materials specified in specification. Materials for concrete slab consist of 1 part cement to 3 parts sand to 5 parts gravel.

Coarse aggregate shall be clean and free of deleterious matters. Coarse aggregate shall consist of natural river gravel, manufactured gravel, or a combination thereof. Stones comprising the coarse aggregates shall be not be more than 20mm maximum dimension or the following which ever is less: one-fifth of the narrowest dimension between sides of forms, one-third the depth of the slab, three-fourth of the minimum clear spacing between reinforcement or the clear distance between the surface of the form and adjacent reinforcement. The amount of particles smaller than 4.75mm shall not exceed 3% with the clay particles not exceeding 1.5%.

Grading Requirement: The aggregate shall have the maximum size as specified above downgraded to 4.75mm to obtain the maximum density possible.

Steel Reinforcement: The dimension of steel reinforcement that shall used in the project is Ø6mm (Ø8 – 75)

The cement that used in the project:

Kind: Portland Cement

Type: Type 1 meeting the requirements of ASTM C 150 or as instructed by NDA

Water for the mixture of concrete shall be potable water, clean, and free from deleterious amounts unwanted substance and matters like oils, acids, alkalis, salts and organic matters.

For detail referred to drawings.

1.4.6. Concrete Block Wall for Tank in Toilets

Materials shall be the same materials specified in specification. Materials for concrete slab consist of 1 part cement to 4 parts sand tide.

The cement that used in the project:

Kind: Portland Cement

Type: Type 1 meeting the requirements of ASTM C 150 or as instructed by NDA

Water for the mixture of concrete shall be potable water, clean, and free from deleterious amounts unwanted substance and matters like oils, acids, alkalis, salts and organic matters.

For detail referred to drawings.

1.5. ROOF WORKS**1.5.1. Zink**

Provide and install 0.30mm thick color bond pre-painted zinc. Allow for provision of samples as specified.

For detail referred to drawings.

1.5.2. Hard Wood Trusses 5/10

Provide and install hard wood trusses 5/10 with timber balk class II.

For detail hard wood trusses 5/10 referred to drawings.

1.5.3. Hard Wood Purling 5/7

Provide and install hard wood purling 5/7 with timber class II.

For detail hard wood purling 5/7 referred to drawings.

1.5.4. Fascia board 3/25

Provide and install fascia board 3/25 with timber class II.

For detail fascia board 3/25 referred to drawings.

1.5.5. Ridge Capping Plate

Provide and install ridge capping plate 0.30mm on the top of the roof.

For detail ridge capping plate referred to drawings.

For detail ridge capping plate referred to drawings.

1.6. DOORS & VENTILATON WORKS**1.6.1. Wooden Frame Door**

Provide and install wooden frame door 6/12 for doors with timber balk class II.

For detail wooden frame referred to drawings.

1.6.2. Panel Door

Provide and install panel door include accessories for each door.

Unless as otherwise state in any contract document, door hinges shall have the following minimum requirements:

Door material used wood plank (kayu jati) 3/25 for each of door and 3 hinges per door.

For detail panel door, wood plank referred to drawings.

1.7. PAINTING WORKS**1.7.1. Roof Painting**

Unless as otherwise instructed by the NDA or not included in the contracted scope of work, or factory pre-painted roofing sheets are provided, all exposed surfaces of roofing sheets shall be coated with paint material formulated for Zinc roofing surfaces of approved quality with at least 2 coats (primer, undercoat, and finish coat) or as recommended by the manufacturer.

1.7.2. Wall Painting

Unless as otherwise instructed by the NDA or not included in the contracted scope of work. All exposed surfaces of wall shall be painted with the quality of paint.

Type and Color: to be approved by the Engineer

1.8. ELECTRICAL WORKS**1.8.1. Install Single Switch & Double Switch**

Unless or otherwise indicated in the plans or Bill of Quantities the minimum electrical requirement shall be as follow:

Provide and Install single switch & double switch use merk Broco or equivalent. The contractor shall provide all the necessary materials to establish the system in accordance with these specifications and instructions of the NDA.

For the location of installation of single switch and double switch merk Broco or equivalent referred to drawings.

1.8.2. Install Lamp

Unless or otherwise indicated in the plans or Bill of Quantities the minimum electrical requirement shall be as follow:

Provide and Install lamp for each room (ex philips) 5W or equivalent and use cable NYY 3 x 2.5 mm. The contractor shall provide all the necessary materials to establish the system in accordance with these specifications and instructions of the NDA.

For the location of installation of lamp referred to drawings.

1.9. SANITATION WORKS

1.9.1. Supply & Install closed

Provide and Install closed for each bathroom use merk INA . The contractor shall provide all the necessary materials to establish the system in accordance with these specifications and instructions of the NDA.

For the location of installation of closed referred to drawings.

1.9.2. Piping

Provide appropriate fittings of the same materials as the specified pipe and manufactured by the same manufactures as the pipe. Fittings made by manufacturers other than pipe manufacturer may be accepted if the same are proven by the contractor to be appropriate for the pipe being used and approved by the NDA. Using standard PVC Ø4" (Maspion)

For detail of the piping referred to drawings.

1.9.3. Tap

Provide and install tap in bathroom and kitchen use Ø3/4" (standard).

For detail or model of the piping referred to drawings.

1.9.4. Septic tank

Provide and install septic tank and accessories include Pipe Ø4" for connection from toilet.

For dimension or capacity and detail of septic tank referred to drawings.

II. SPECIFICATION OF PREFABRICATED HOUSE

The Contractor shall design, supply, and construct the prefabricated house conforming to the following basic requirements:

- The structure is assembled of prefabricated, corrosion-resistant light steel materials, sandwich panels or sections for walls, one sided panels for ceilings;
- Adequately insulated roof, metal roofing material;
- Door made of wood or steel sandwich panel;
- PVC sliding window, with steel screen;
- The houses shall have a ceiling and a naturally ventilated airspace between the roof and the ceiling.
- The house must be adequately ventilated and insulated such as to ensure that the assembled house is favorable for high-temperature conditions during the summer period in Timor-Leste;
- Floor area and floor plan arrangements in accordance with the Drawings issued under Section 5 of these tender documents;
- Earthquake-resistant design;
- Floor System on concrete slab foundation. Install ceramic tiles 40cm x 40cm (color to be approved by the Engineer);
- Provide and install ceramic tiles 20cm x 20cm (color to be approved by the Engineer) for toilet walls on Type 70 and Type 140 houses;.

The prefabricated house to be supplied under the contract shall be those with proven design and which have been already constructed in countries with site conditions similar to Timor-Leste.

The Contractor shall submit brochures, design calculations, and any other documentation necessary to prove that the proposed prefabricated house meets the quality requirements.

Supplemental Specifications

1 GENERAL REQUIREMENTS

1.1 Workmanship and Quality Control

The Employer relies on the Contractor to produce work which conforms in quality and accuracy of detail to the requirements and intent of the Specifications and/or Drawings. If not fully described in the Specifications and/or Drawings, the work shall be performed in accordance with best practice in the relevant field. The Works when completed must be suitable and adequate for their respective functions and purposes.

The Contractor must, at its own expense, institute a quality control system and provide experienced engineers, foremen, surveyors, materials technicians, other technicians and other technical staff, together with all transport, instruments and equipment, to ensure adequate supervision and positive control of the Works at all times.

The cost of all supervision and process control, including testing, so carried out by the Contractor, shall be deemed to be included in the rates for the related items of work.

1.2 Standards

Generally, unless stated to the contrary, all materials and workmanship shall comply with the relevant ASTM or other authoritative standards which ensure an equal or higher quality.

The Contractor may propose alternative standards for the consideration of the Employer who may, if it is of the opinion that the use of such alternative standard will not result in the Works being of a lesser quality, approve the use of such alternative standards. If required by the Employer, the Contractor shall provide documentary evidence, to the satisfaction of the Employer, of the applicability of the alternative standard.

1.3 Remedial Works

When any part of the Works or any equipment or material is found upon examination by the Employer not to conform, or is at any stage before final acceptance damaged so that it no longer conforms, with the requirements of this Specification, the Employer may order its complete removal and replacement, at the Contractor's expense, with satisfactory work, equipment or material or it may permit the Contractor to apply remedial measures in order to make good any such defects or damage. The actual remedial measures taken shall at all times be entirely at the Contractor's own initiative, risk and cost, but subject to the Employer's approval regarding the details thereof.

In particular, remedial measures shall ensure full compliance with this Specification of the final product, shall not endanger or damage any other part of the Works and shall be carefully controlled.

1.4 Water

The Contractor shall make its own arrangements for procuring, transporting, storage, distribution and application of water needed for construction and other purposes, except where otherwise specified. No direct payment will be made for providing water and the cost thereof shall be included in the rates and prices in the Bill of Quantities for the various items of work for which water is needed. Only clean water, free from undesirable concentrations of deleterious salts and other materials shall be used. The Contractor shall ensure that sufficient supply of water is at all times available to ensure continuity of work. All sources of water used must be approved by the Employer.

1.5 Tolerances

The work specified in the various sections of these Specifications shall comply with the various dimensional and other tolerances specified in each case. Where no tolerances are specified, the standard of workmanship shall be in accordance with normal good practice.

1.6 Photographic Records

The Contractor shall make photographs and other records as agreed with the Employer of the condition of the each site immediately before entering upon them for the purpose of constructing the Works. Each month thereafter for the duration of the Contract, the Contractor shall submit colour photographs on CD, illustrating progress of the Works, or any other photographs that it may deem necessary for record purposes, and provide these to the Employer for its records. The copyright of all photographs shall be vested in the Employer and the Contractor shall not use any photograph for any purpose whatsoever without the Employer's approval.

1.7 Cooperation at Site

All work shall be carried out in such a way as to allow access and afford all reasonable facilities for any other contractor and its workmen and for the workmen of the Employer and any other person who may be employed in the execution and/or operation at or near the site of any work in connection with the Contract or otherwise.

The Contractor shall use its best endeavors to co-operate with such persons without interfering with them and shall observe all the instructions and orders of the Employer in that connection.

In the preparation of its program of work the Contractor shall at all times take full account of, and co-ordinate with, the programming of work of other Contractors.

1.8 Security of the Works

Security of the Works shall be provided by the Contractor at its own expense. If the Employer considers it necessary it will order in writing that additional watchmen be provided at the Contractor's expense.

1.9 Safety

The Contractor shall immediately notify the Engineer if any accident occurs whether on Site or off Site in which the Contractor is directly or indirectly involved and which results in any injury to any person whether directly concerned with the Site or whether a third party. Such initial notification may be verbal and shall be followed by a written comprehensive report within 24 hours of the accident.

Transportation of any material by the Contractor shall be in suitable vehicles which when loaded does not cause spillage and all loads shall be suitably secured. Any vehicle which does not comply with this requirement or any of the local traffic regulations and laws shall be removed from the Site.

All personnel on site shall be provided with safety shoes, hard hats, and other standard safety gears as appropriate.

1.10 Method of Working

The Contractor shall adopt a method of working such as to permit the satisfactory and timely completion of the Works and to limit disturbance and damage to the built and natural environment to a minimum.

1.11 Measurement and Payment

No specific item has been provided in the Bill of Quantities for compliance with the provisions of this section of the Specification. The cost of complying with these provisions is deemed to be included in the lump sum rates for each type of houses specified in the Bill of Quantities.

ITEM 2 - ENVIRONMENTAL PROTECTION

2.1 General

The Contractor is required to enter into the spirit of environmental protection and conservation and to construct works in terms of agreed programs, methods and sequences that will prevent or mitigate against damage to the natural environment.

The Contractor shall take all reasonable precautions, whether specified in the Contract or not, to prevent damage to the natural environment occurring as a result of the execution of the Works and shall strictly observe all regulations, procedures etc. in relation to entry upon land, whether within the Site or not.

2.2 Construction Compounds

Unless otherwise specified the Contractor is at liberty to make its own arrangements with land owners to establish construction camps. Prior to the development of such camps the Contractor shall submit to the Employer the signed authority of the land owner.

2.3 Restoration of Construction Compound Sites

At the completion of the construction work the Contractor shall dismantle and remove from the site all facilities established within the construction compounds including the perimeter fence and lockable gates. The whole of the construction compound site shall be grassed and if trees originally grew on the site they shall be replaced with similar tree species. At the completion of restoration the site shall be in no way inferior to the condition that pertained prior to commencement of the works.

All oil or fuel contaminated soil shall be carefully removed from the site and transported and buried in waste soil disposal areas.

2.4 Erosion Control

The Contractor shall employ such temporary measures as are necessary to prevent or mitigate against erosion or siltation of any natural water course.

2.5 Clearing of Vegetation

The Contractor shall only clear vegetation from the areas required for the execution of the work under the Contract as approved by the Engineer. On no account is the Contractor to damage vegetation outside those areas. Should such damage occur the Contractor shall forthwith take such steps as are necessary to re-establish vegetation.

2.5 Disposal of Unsuitable or Excess Materials

All excavated material which by virtue of its organic content, moisture content, or other characteristics, is unsuitable for incorporation into, or is otherwise not required for the Works shall be temporarily stockpiled and disposed by the Contractor in accordance with the procedures approved by the Engineer.

2.6 Extraction of River Gravels

The Contractor shall take due regard of the natural environment and mitigate any adverse affects in the extraction of river gravels.

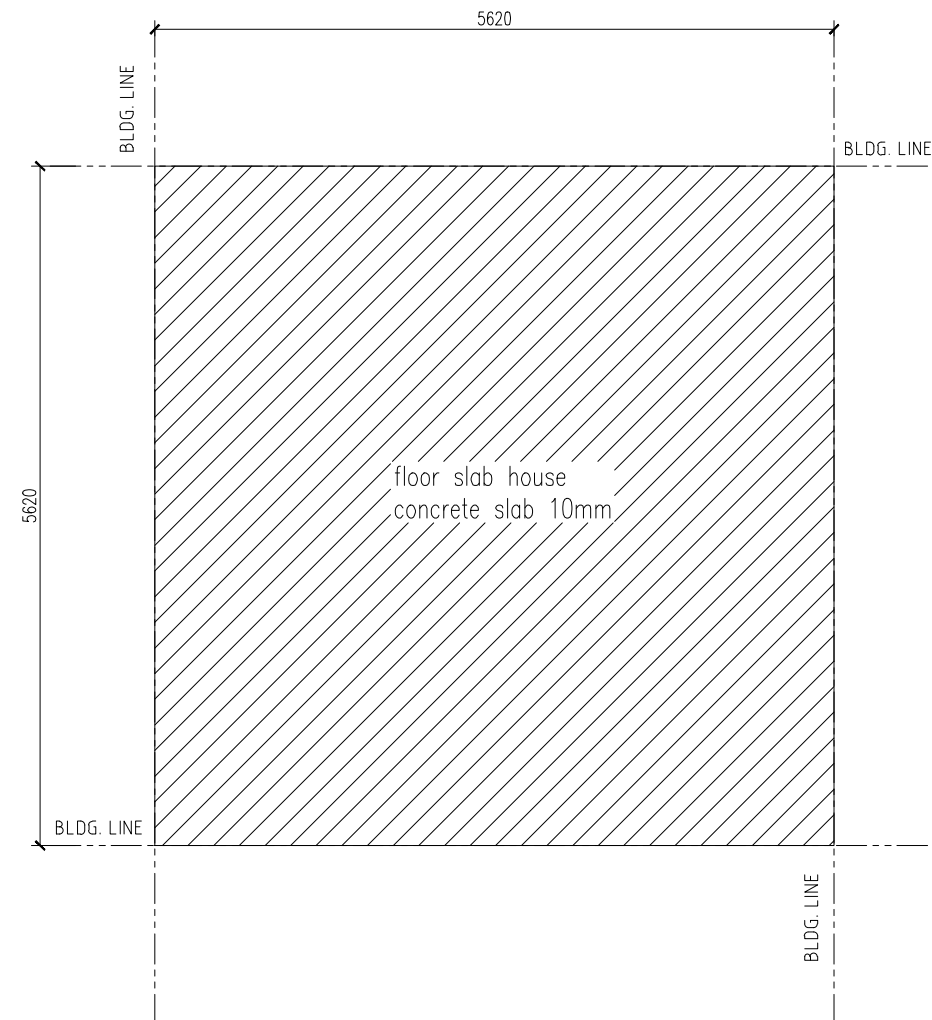
102.4.7 MEASUREMENT AND PAYMENT

No specific item has been provided in the Bill of Quantities for compliance with the provisions of this section of the Specification. The cost of complying with these provisions is deemed to be included in the lump sum rates for each type of houses specified in the Bill of Quantities.

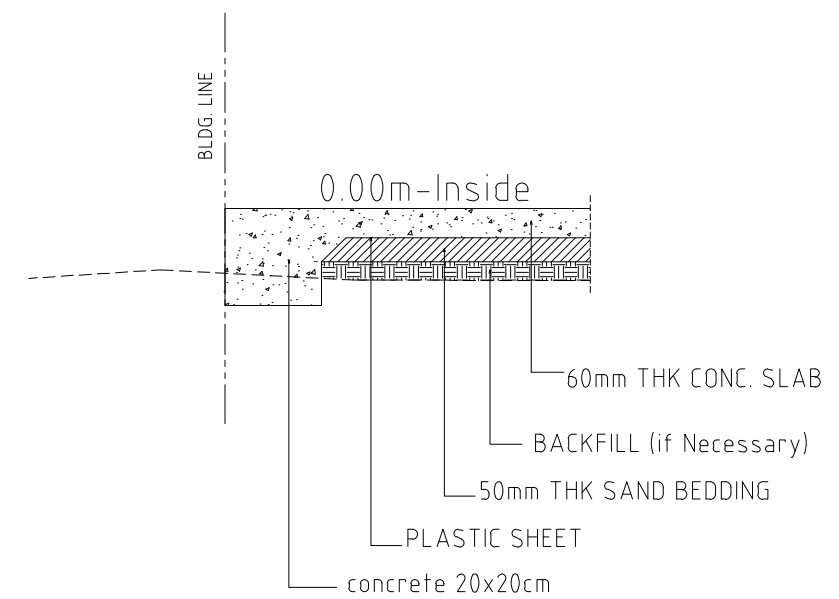
Drawings

DRAWINGS

HOUSE TYPE 36



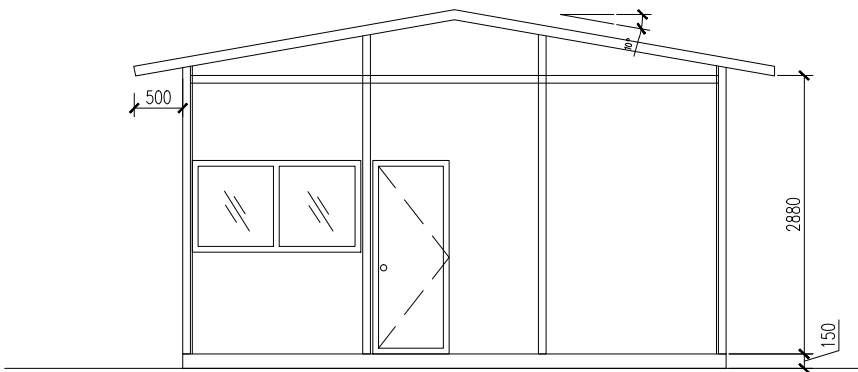
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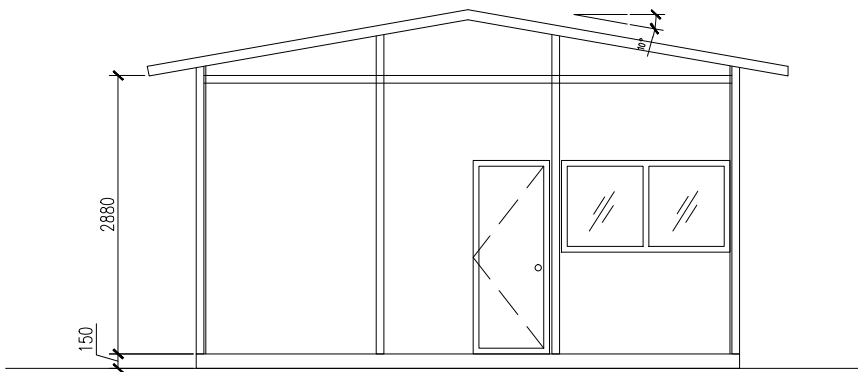
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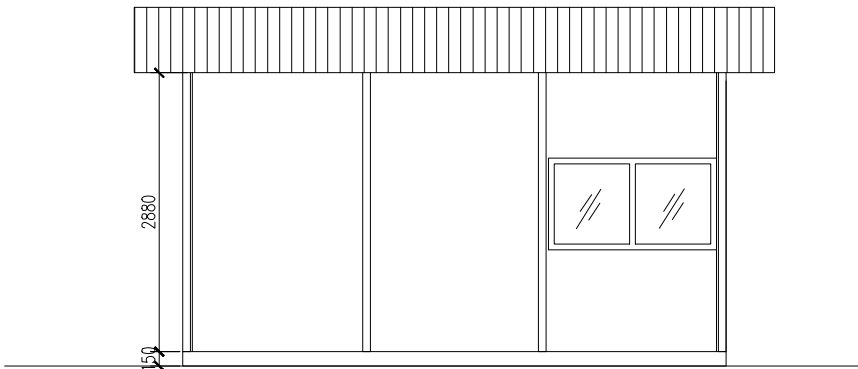
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Floor Slab House		Technical Team ADN		Chief of Public Building		Director Of DNEH-PU
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub-District , Timor Leste	1 : 50	01	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



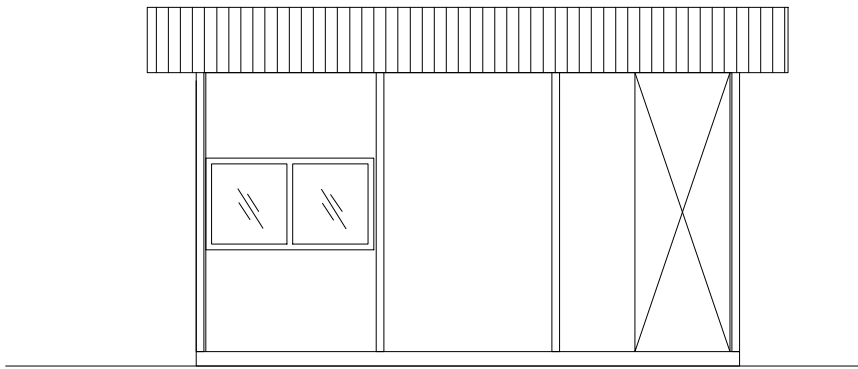
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2 REAR ELEVATION
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3 RIGHT SIDE ELEVATION
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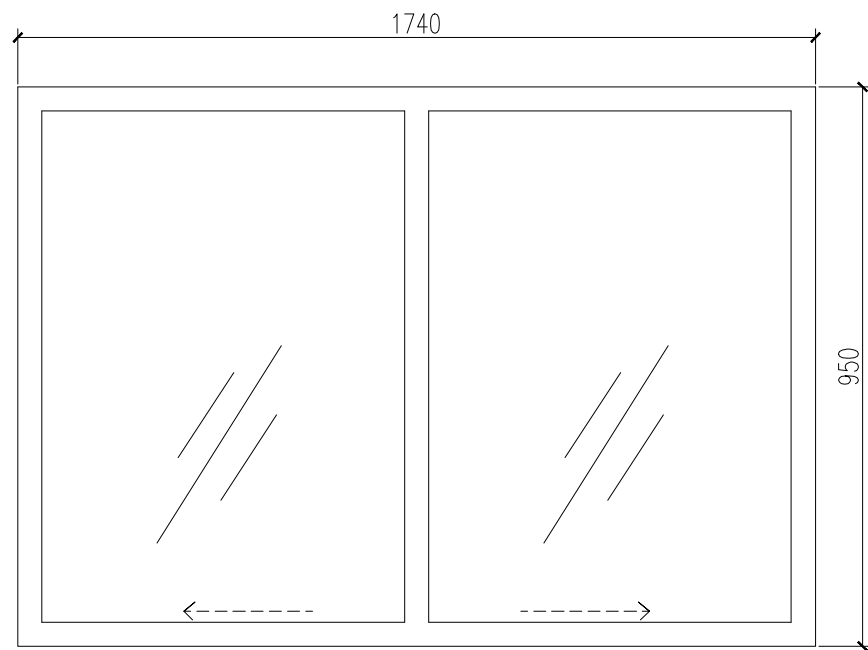
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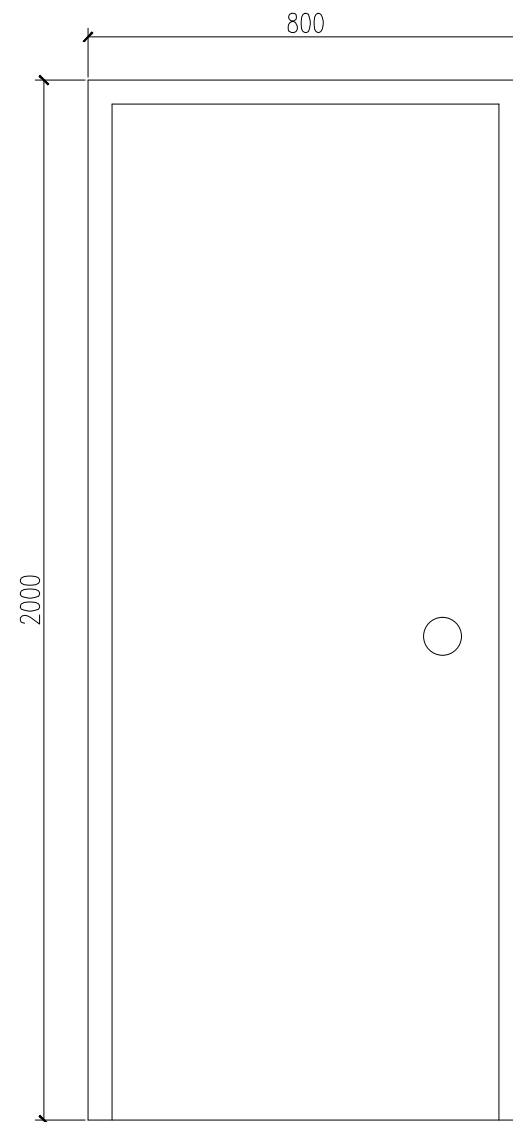
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						<div>Chief of Public Building</div>	<div>Director Of DNEH-PU</div>	
	<div>LOCATION :</div>	<div>SCALE :</div>	<div>DRAWING NO :</div>	<div>Drawing & Checked by :</div>	<div>Date :</div>	<div>Checked By :</div>	<div>Approve By :</div>	
	<div>Sub-District , Timor Leste</div>	<div>1 : 50</div>	<div>03</div>	<div>Arch. Sheila Lobo da Silva</div>		<div>Eng. Hermenegildo Guterres</div>	<div>Arch. Rosa Amaral Vong</div>	



DRAWING NOTES :	



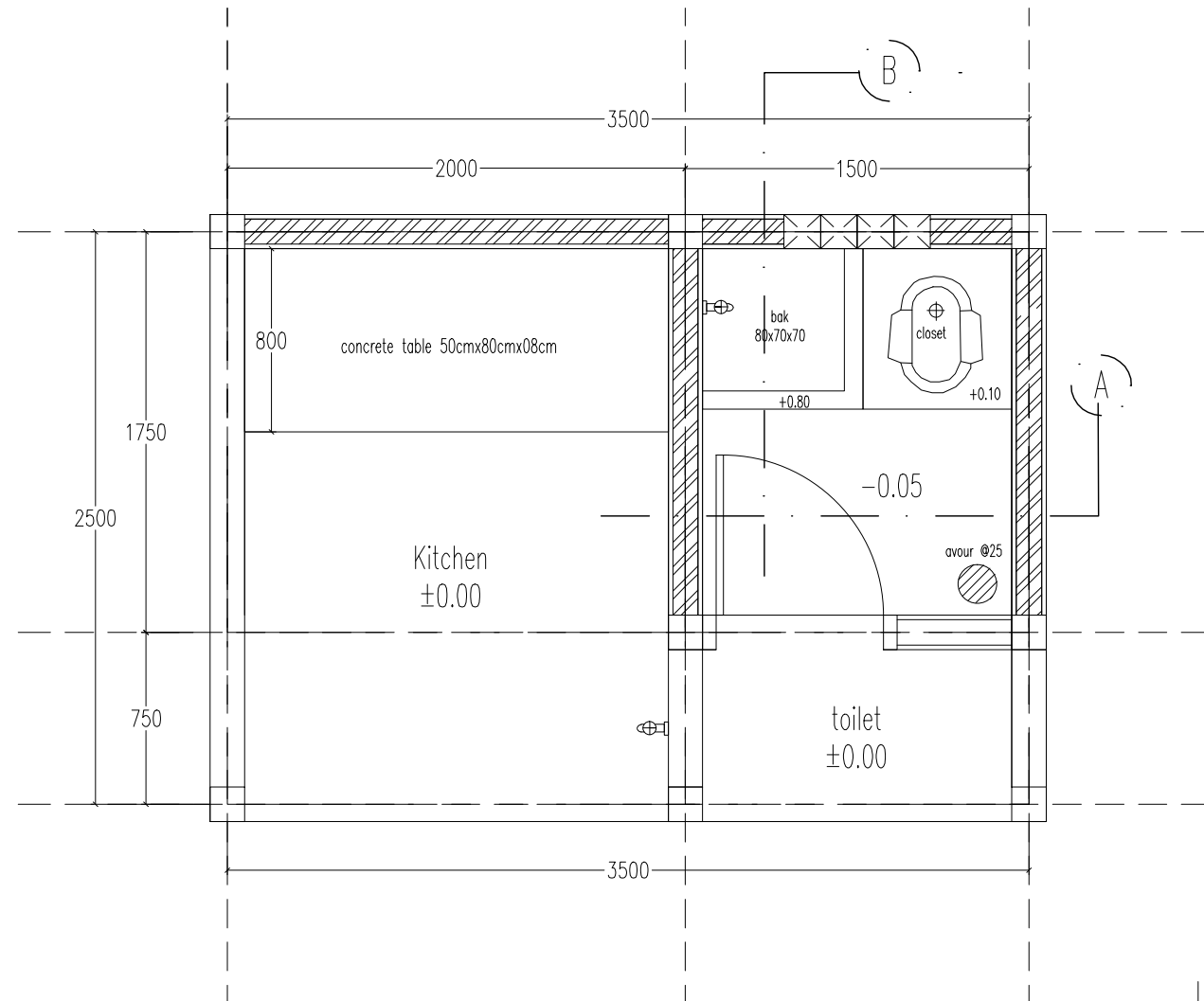
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Door D1, EPS composite panel door (4x)
Scale : 1'20



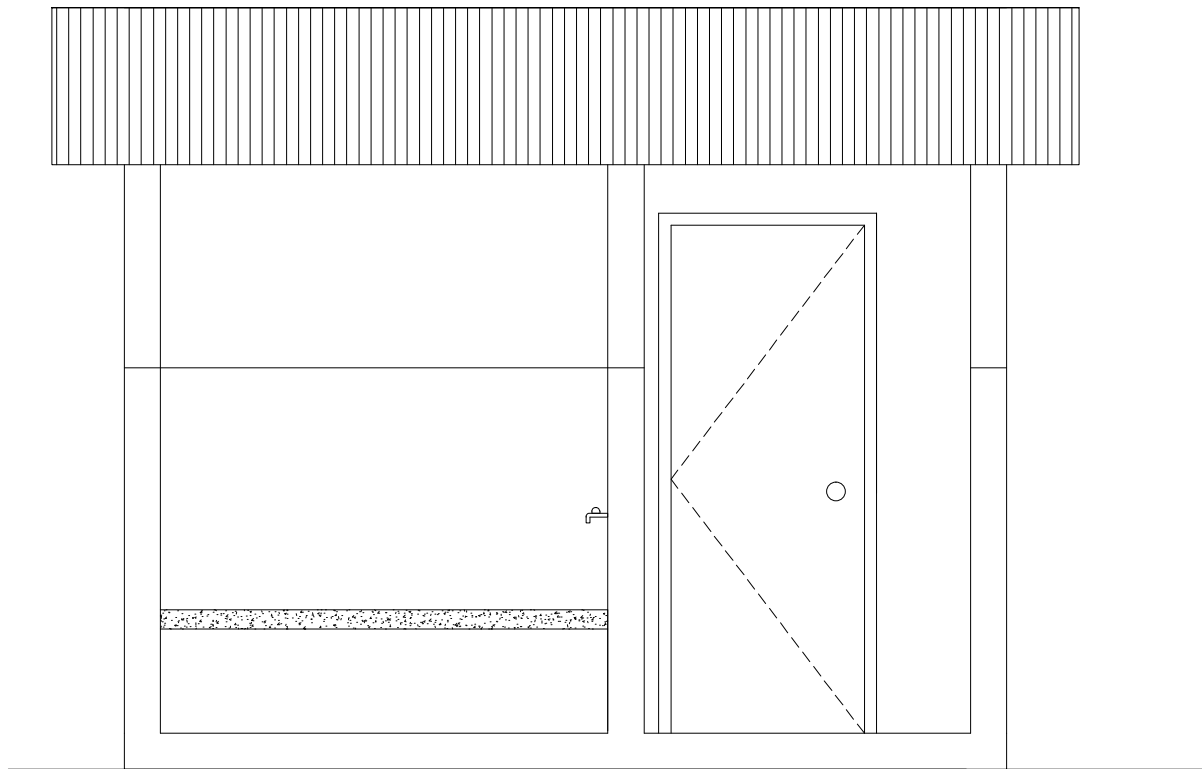
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Door & Window		Technical Team ADN				
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Chief of Public Building	Director Of DNEH-PU	
	Sub – District , Timor Leste	1 : 20	06	Arch. Sheila Lobo da Silva		Checked By :	Approve By :	
				Eng. Hermenegildo Guterres		Arch. Rosa Amaral Vong		



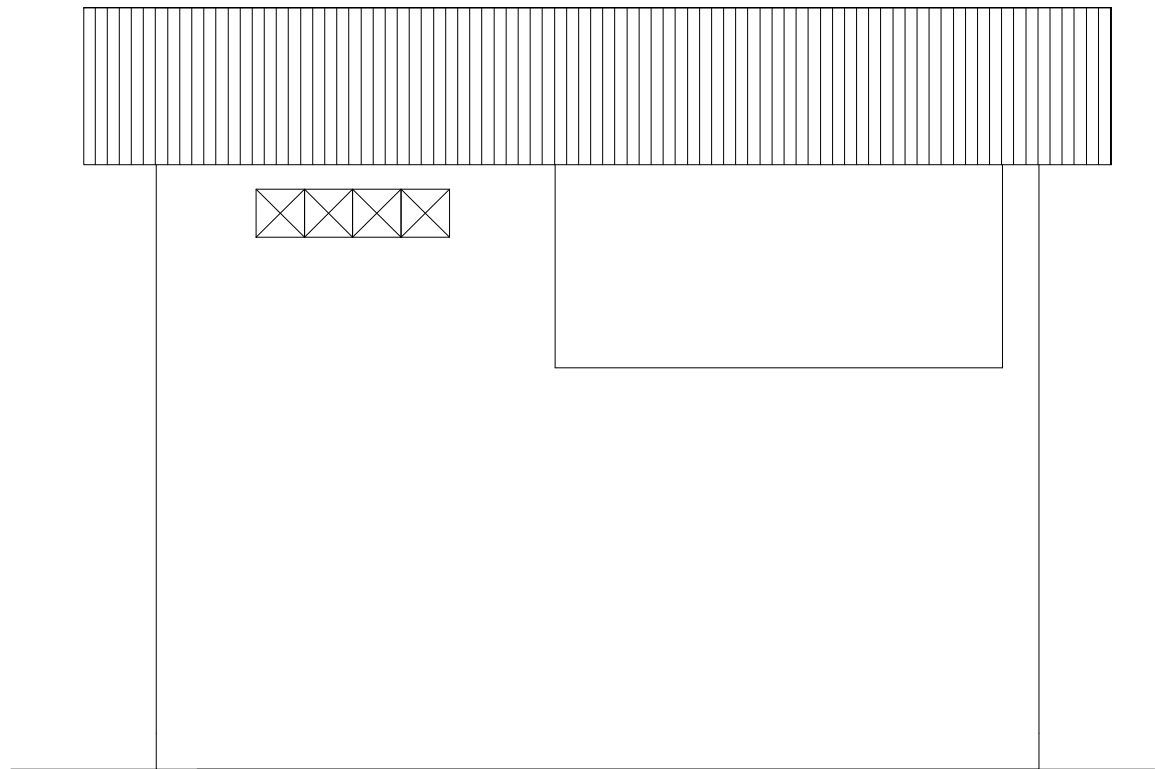
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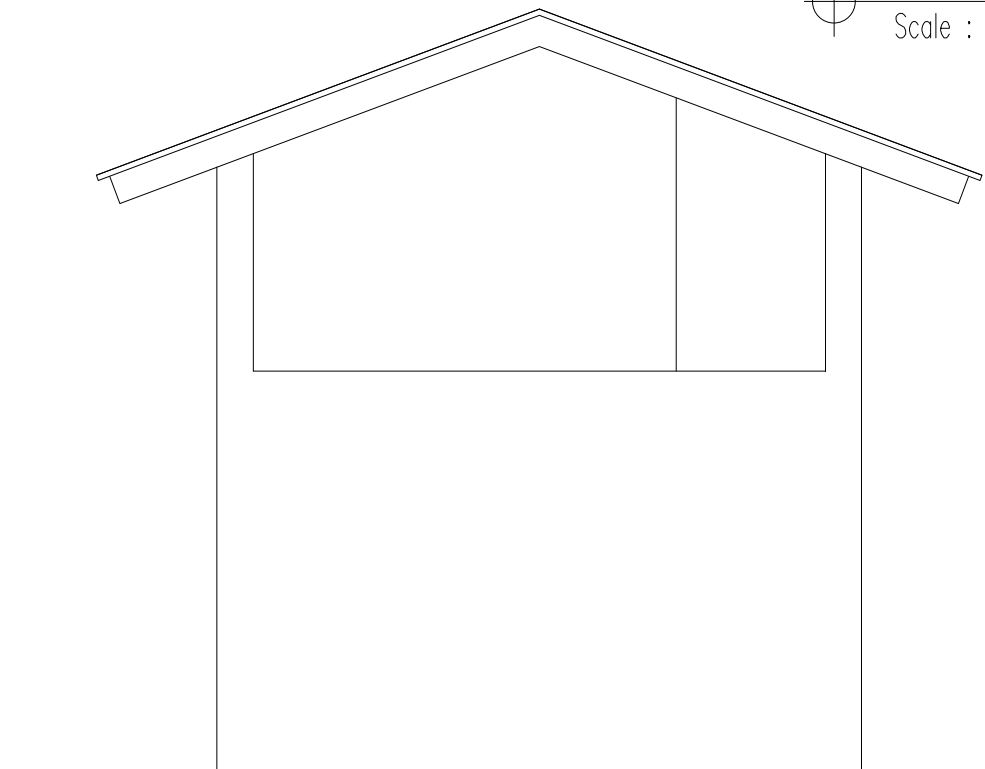
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REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Floor Plan for kitchen & toilet	Technical Team ADN	Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Checked By :	Approve By :	
	Sub - District , Timor Leste	1 : 20	07	Arch. Sheila Lobo da Silva	Eng. Hermenegildo Guterres Arch. Rosa Amaral Vong	



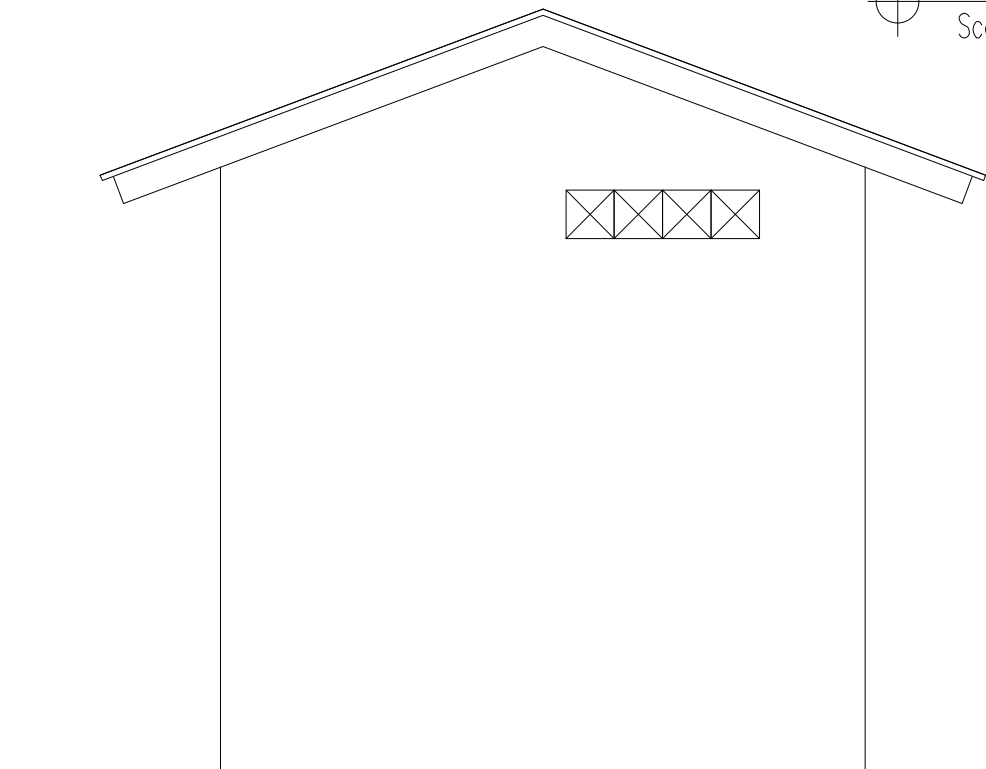
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REAR ELEVATION
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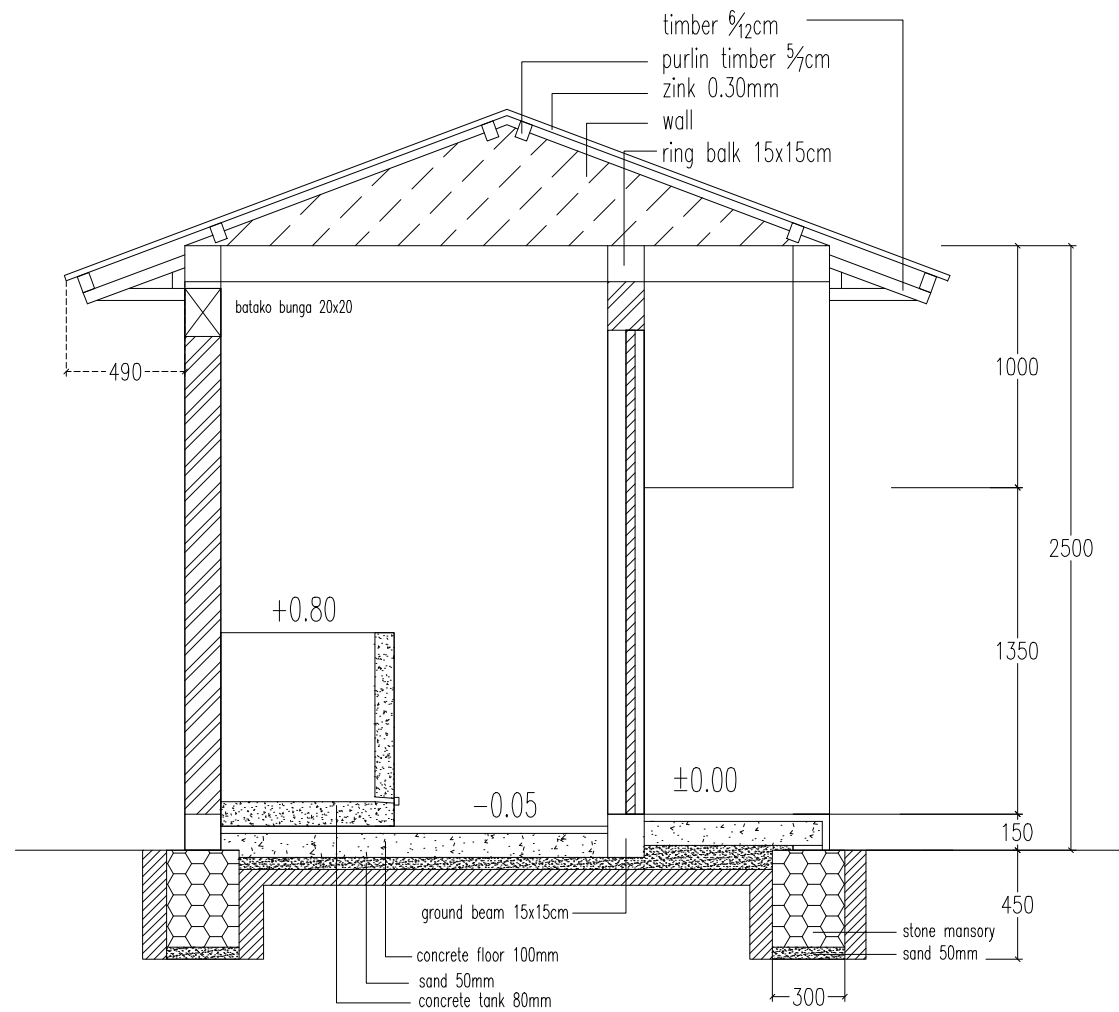
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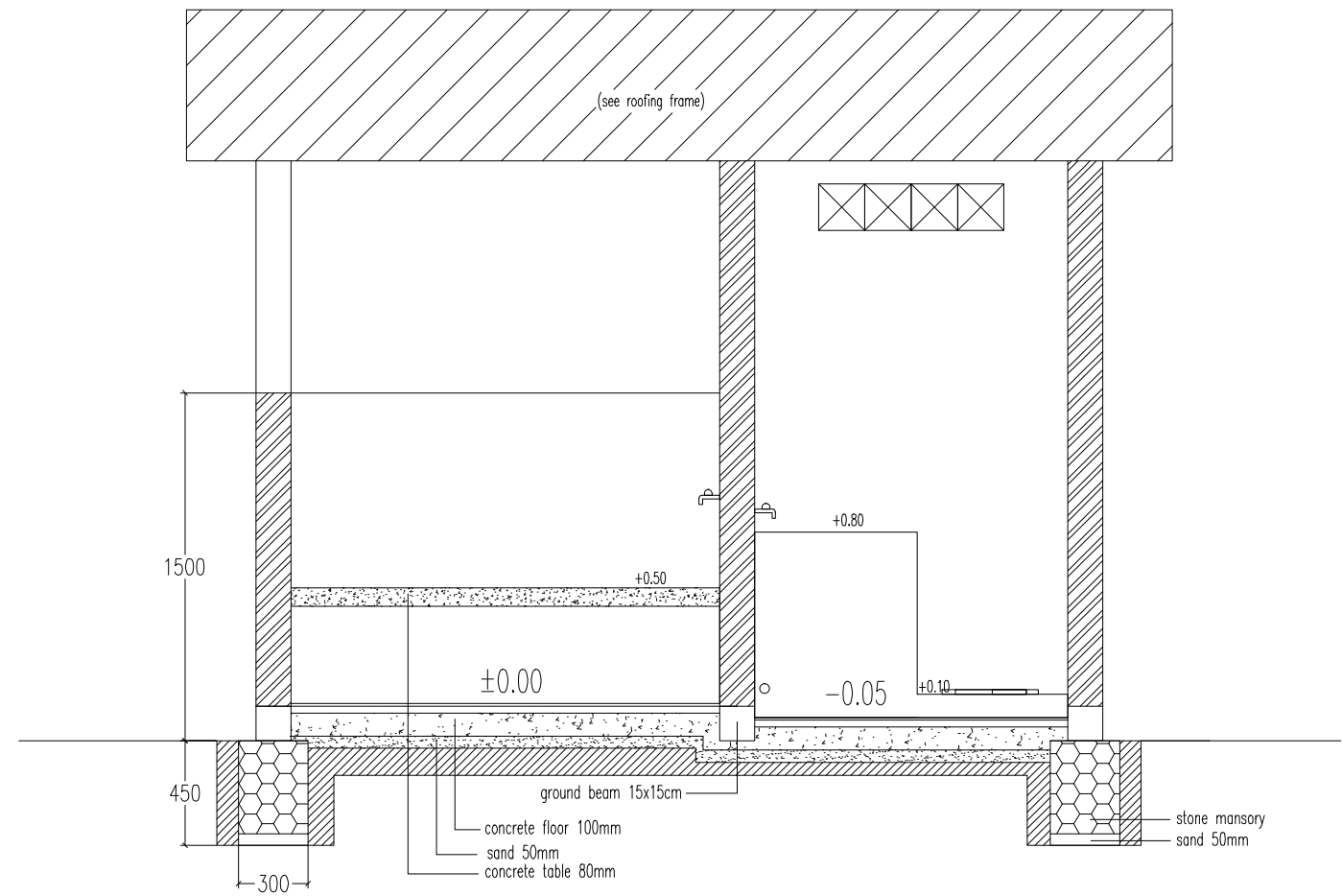
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	Construction of MDG'S Houses	Elevation		Technical Team ADN				
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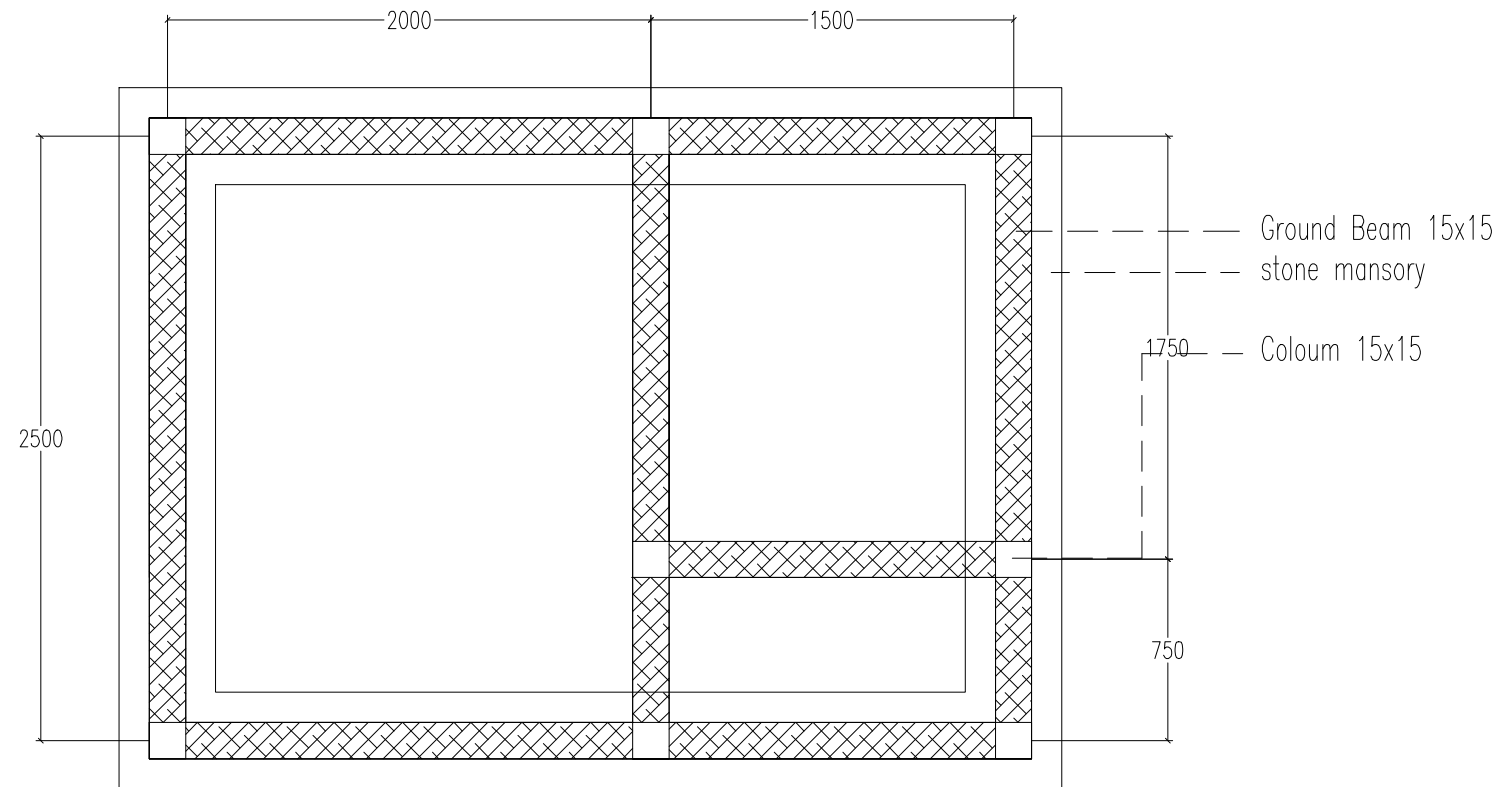
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SECTION B-B
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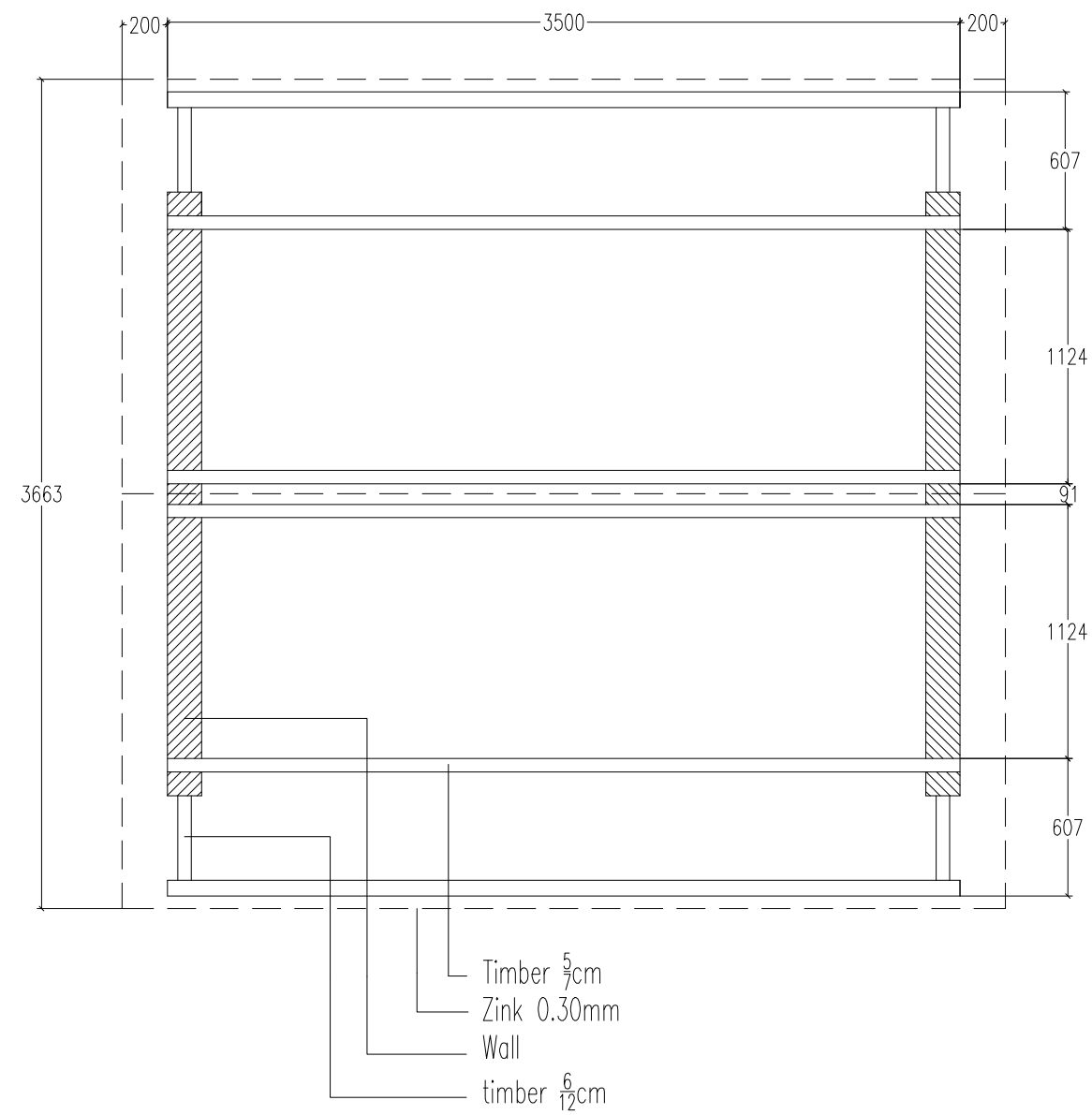
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REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Section A-A & B-B		Technical Team ADN		Chief of Public Building	Director Of DNEH-PU	
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	Sub - District , Timor Leste	1 : 20	09	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	




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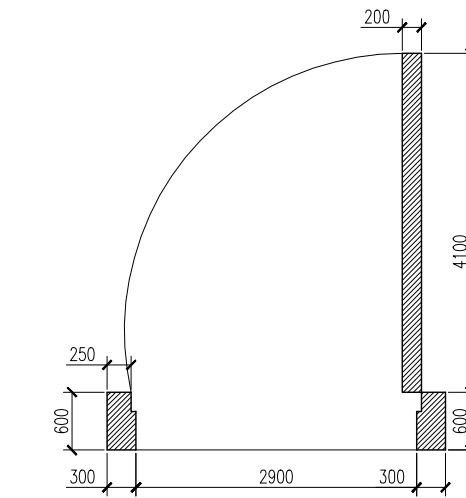
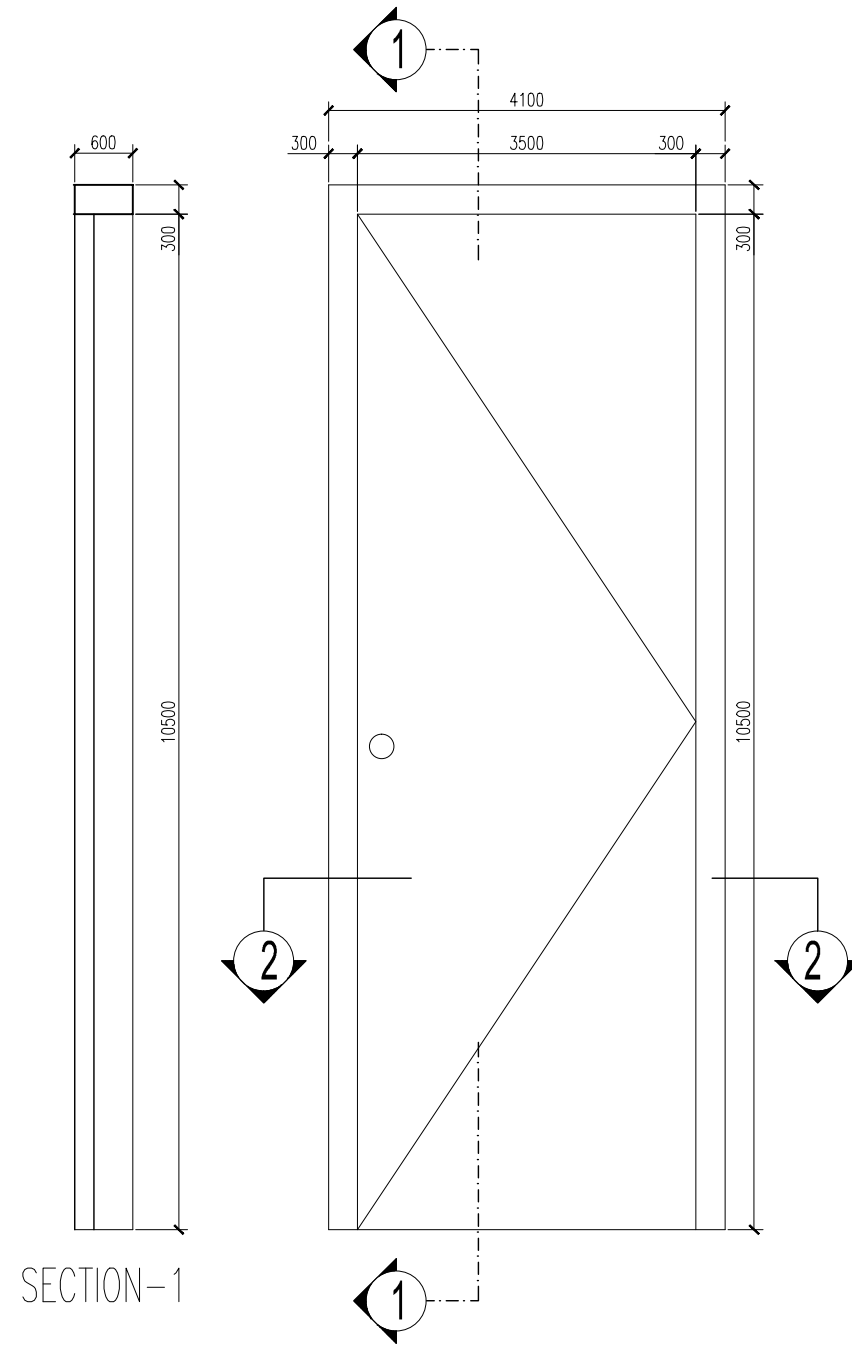
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			Sub - District , Timor Leste		1 : 20	10	Arch. Sheila Lobo da Silva		
								Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong



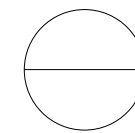
ROOFING FRAME PLAN-(TYPE 36)
Scale : 1'20

	CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECCAO NACIONAL DE EDIFICACAO E HABILITACAO E PLANEAMENTO URBANO		DRAWING NOTES :
	REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Roofing Frame Plan		Technical Team ADN		Chief of Public Building	Director Of DNEH-PU	
		LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
		Sub - District , Timor Leste	1 : 20	11	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	





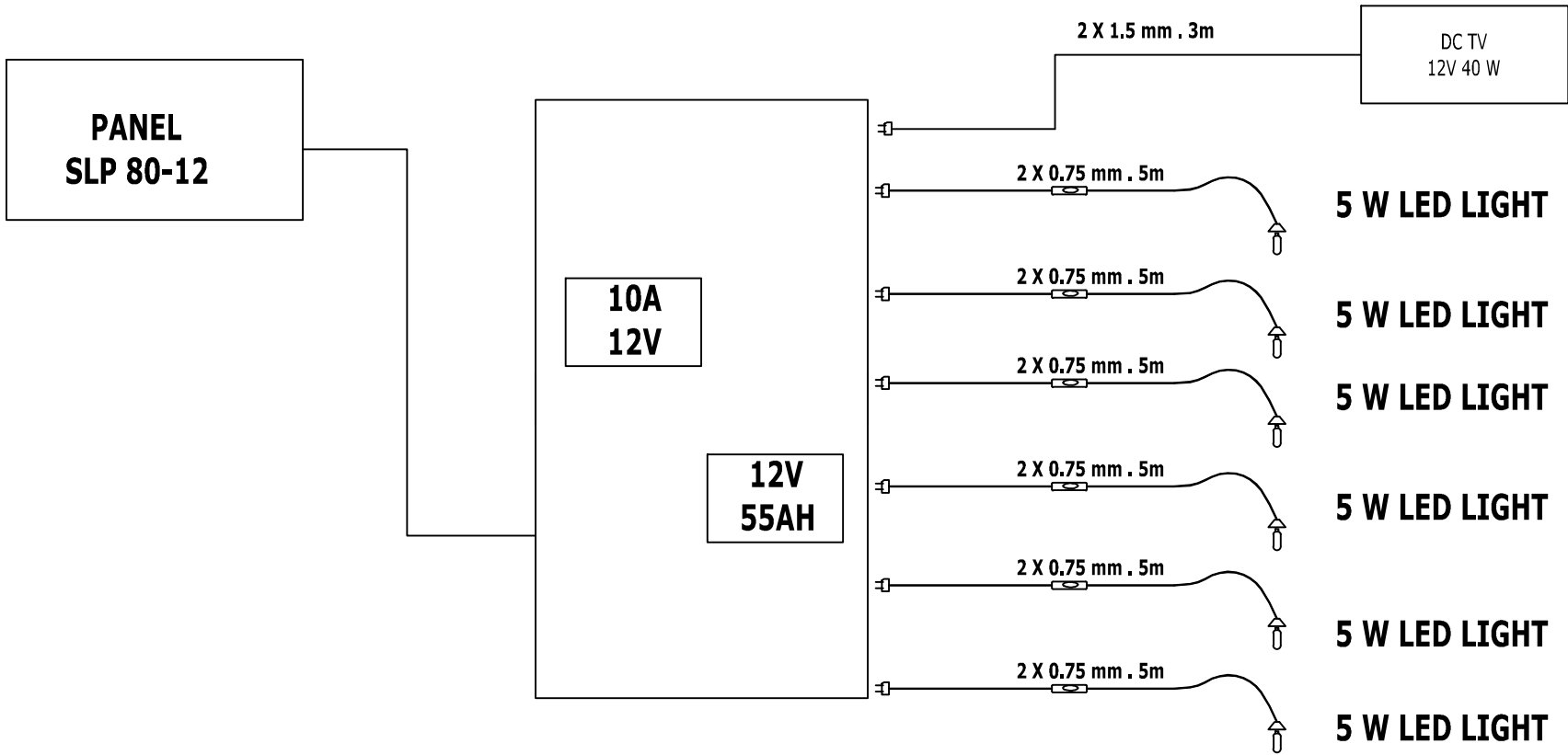
SECTION-2



DOOR -1X
SCALE 1 : 20



CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :	PREPARED BY :	MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Detail Door & Window	Technical Team ADN	Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Checked By :	Approve By :	
	Sub - District , Timor Leste	1 : 20	14	Arch. Sheila Lobo da Silva	Eng. Hermenegildo Guterres	
					Arch. Rosa Amaral Vong	



CLIENT/PROJECT OWNER :

REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE
GABINETE DO PRIMEIRO MINISTRO

PROJECT TITLE :

Construction of MDG'S Houses

LOCATION :

Sub – District , Timor Leste

DRAWING TITLE :

System Working solar panel
for house type 36

SCALE :

NTS

DRAWING NO :

15

PREPARED BY :

Technical Team ADN

Drawing & Checked by :

Arch. Sheila Lobo da Silva

Date :

MINISTERIO INFRA-ESTRUTURAS
SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS
DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABILITAÇÃO E PLANEAMENTO URBANO

Chief of Public Building

Director Of DNEH-PU

Checked By :

Eng. Hermenegildo Guterres

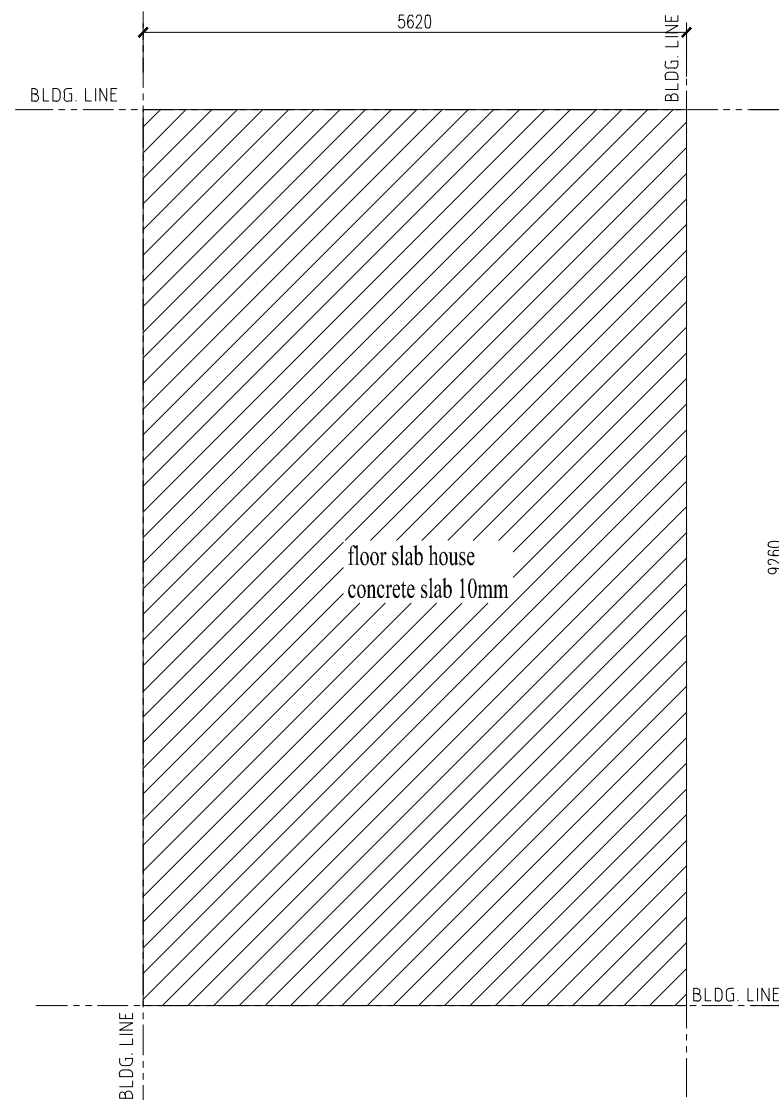
Approve By :

Arch. Rosa Amaral Vong

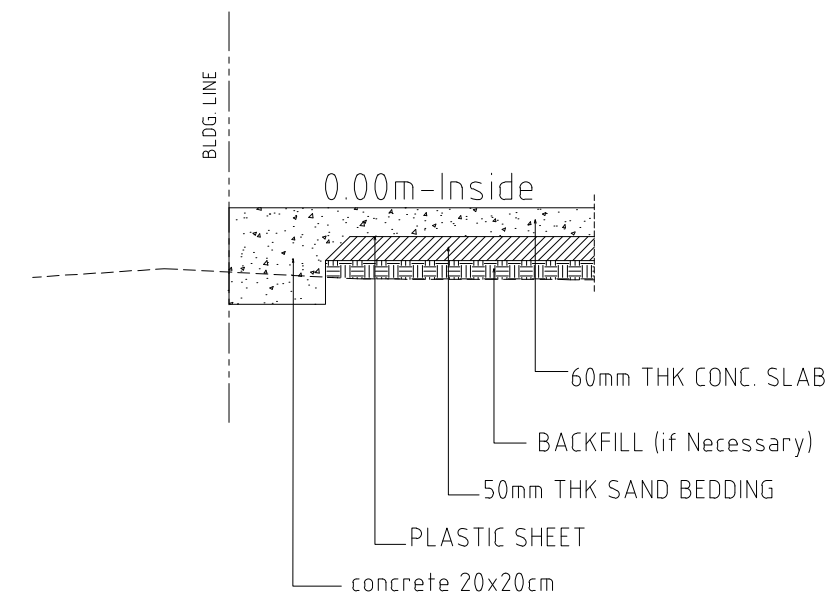
DRAWING NOTES :

DRAWINGS

HOUSE TYPE 50



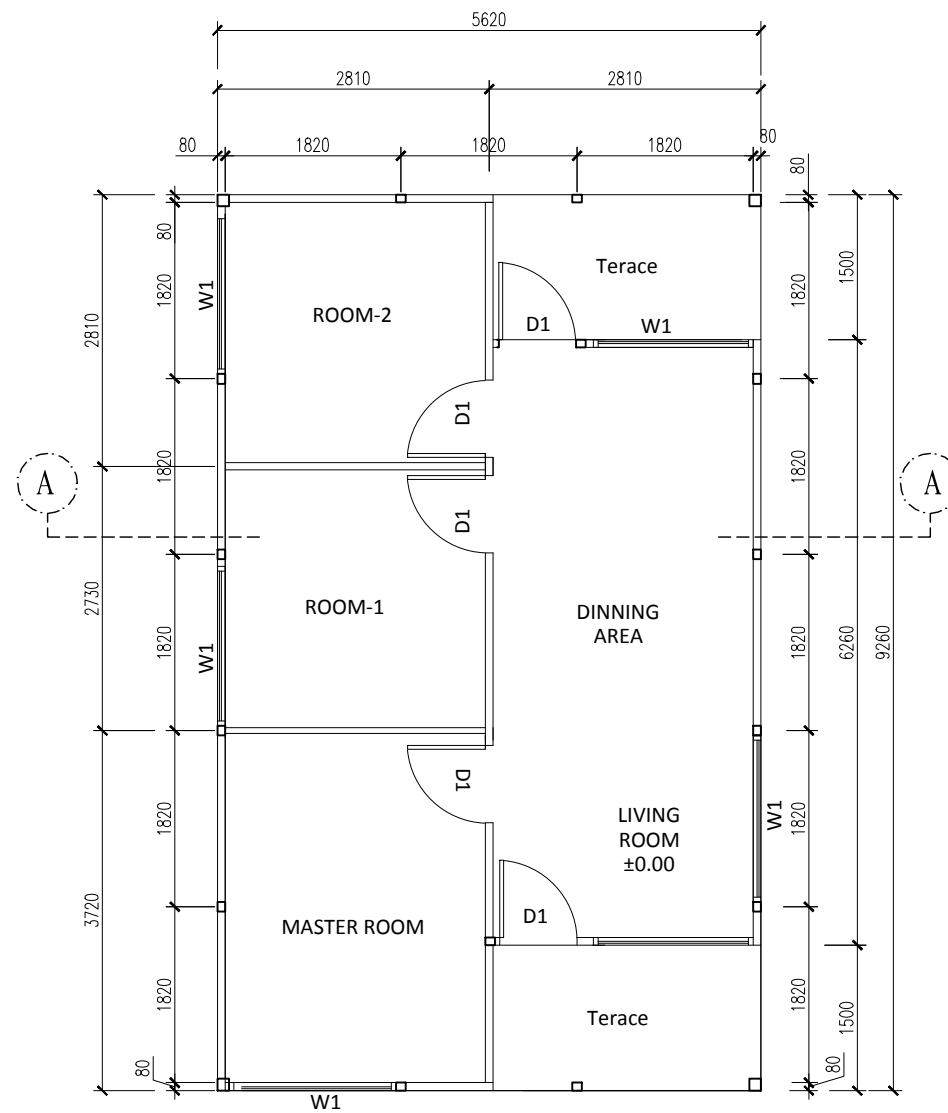

 FLOOR SLAB HOUSE-type 50
 Scale : 1'50




 DETAIL FOUNDATION
 Scale : 1'20



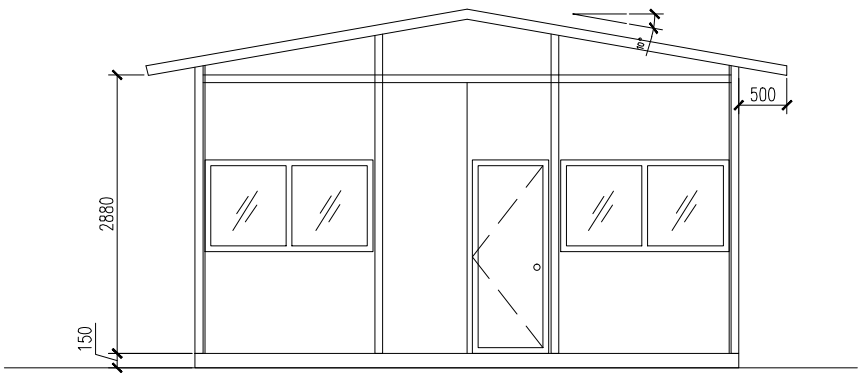
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Floor Slab House		Technical Team ADN				Chief of Public Building	Director Of DNEH-PU
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :			Checked By :	Approve By :
	Sub-District , Timor Leste	1 : 50	01	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong		



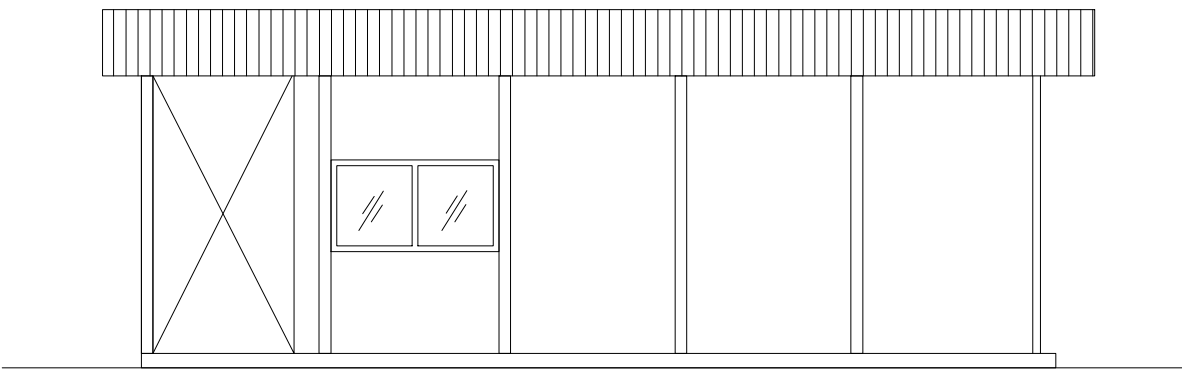

 FLOOR PLAN
 Scale : 1'50



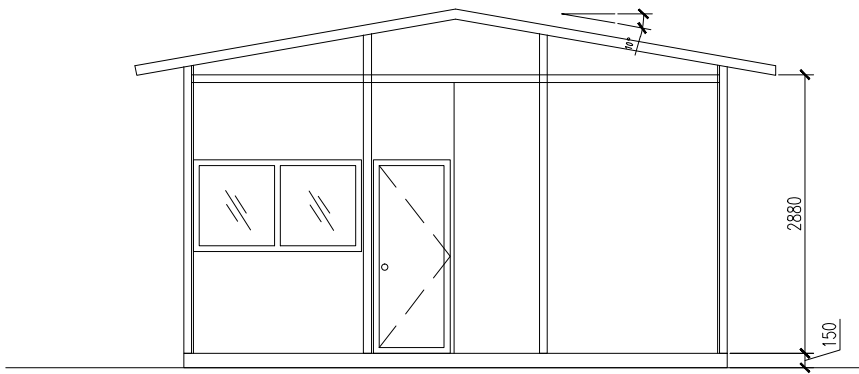
CLIENT/PROJECT OWNER : REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
	Construction of MDG'S Houses	Floor Plan		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub-District , Timor Leste	1 : 50	02	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



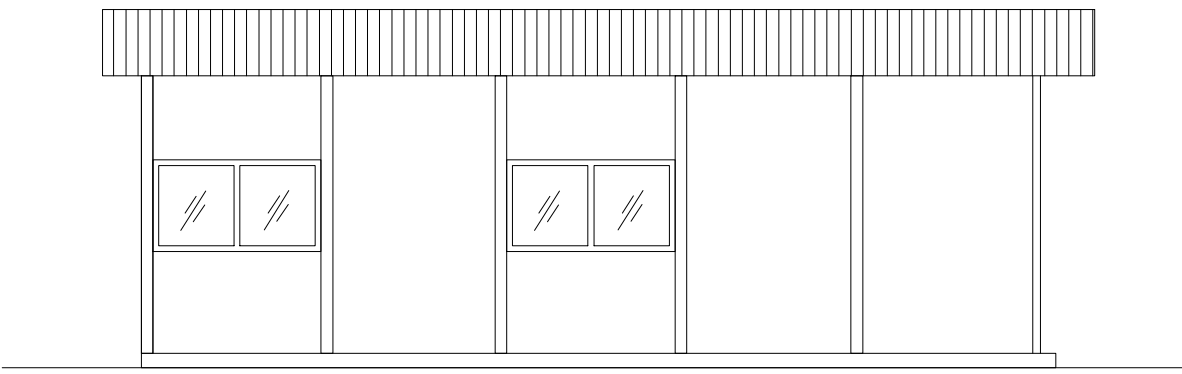
1 FRONT ELEVATION
Scale: 1:50



3 RIGHT SIDE ELEVATION
Scale: 1:100



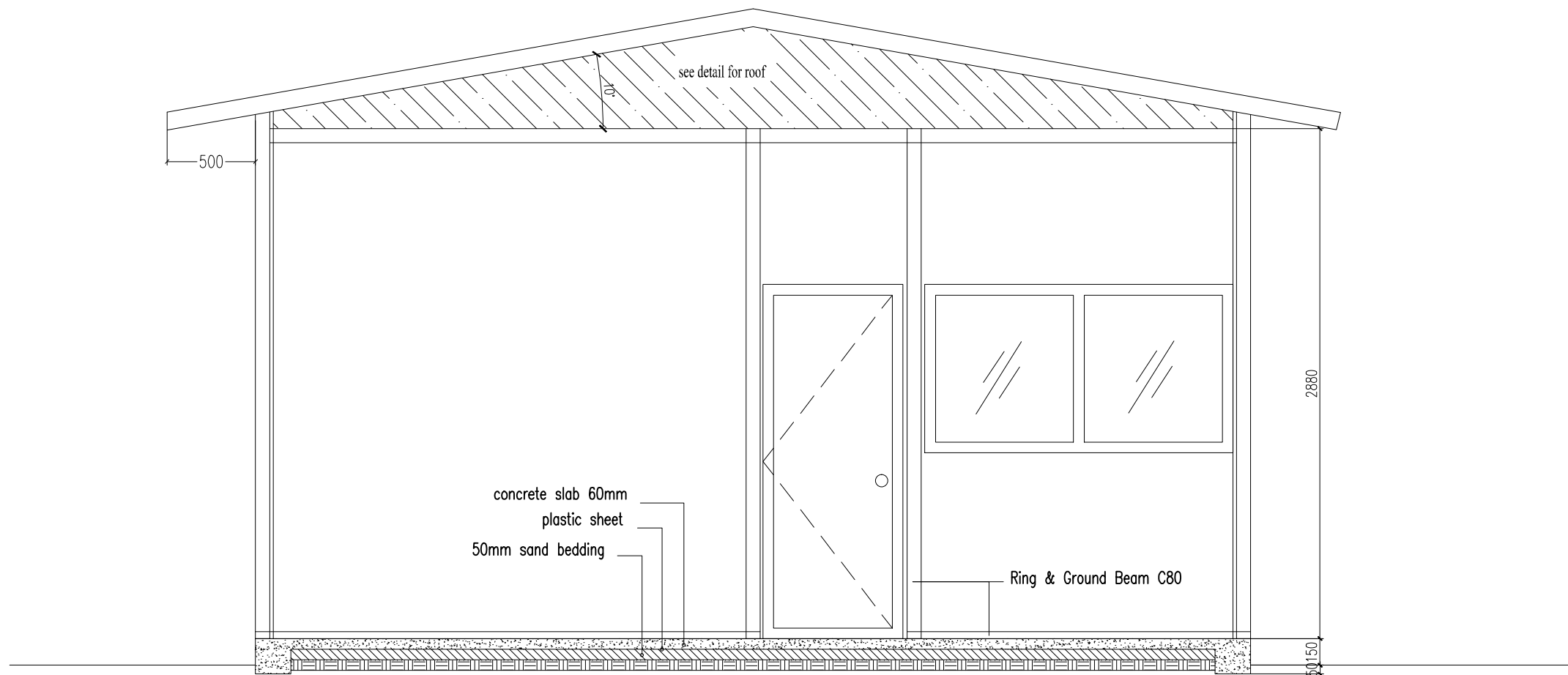
2 REAR ELEVATION
Scale: 1:50



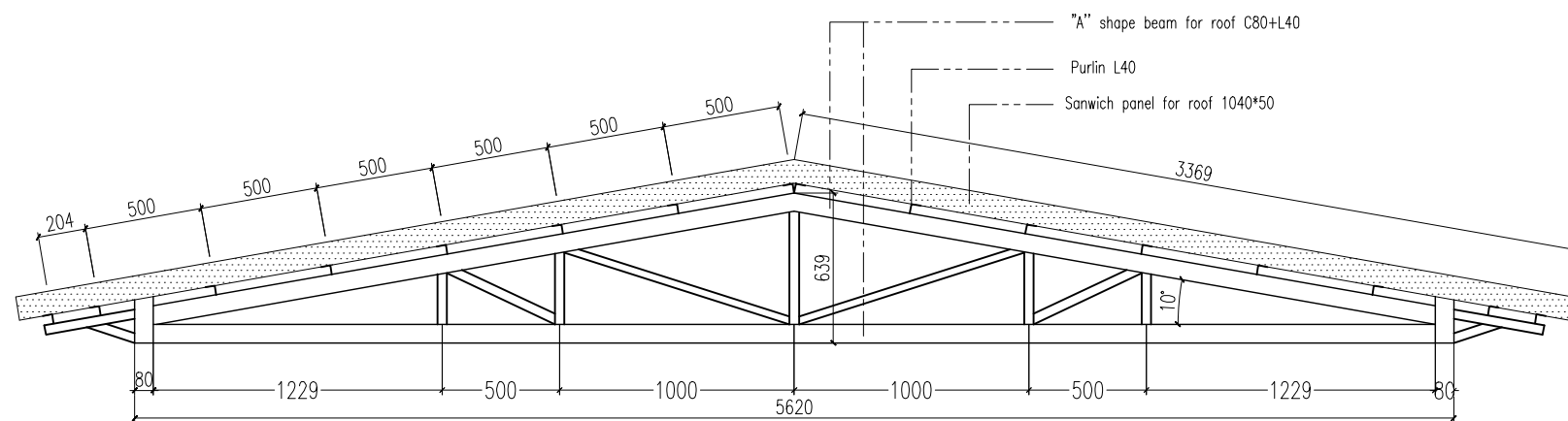
4 LEFT SIDE ELEVATION
Scale: 1:100



<div>CLIENT/PROJECT OWNER :</div> <div>REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO</div>	<div>PROJECT TITLE :</div> <div>Construction of MDG'S Houses</div>		<div>DRAWING TITLE :</div> <div>Elevation</div>		<div>PREPARED BY :</div> <div>Technical Team ADN</div>		<div>MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO</div>		<div>DRAWING NOTES :</div>
	<div>LOCATION :</div> <div>Sub-District , Timor Leste</div>		<div>SCALE :</div> <div>1 : 50</div>	<div>DRAWING NO :</div> <div>03</div>	<div>Drawing & Checked by :</div> <div>Arch. Sheila Lobo da Silva</div>	<div>Date :</div>	<div>Chief of Public Building</div>	<div>Director Of DNEH-PU</div>	
							<div>Checked By :</div>	<div>Approve By :</div>	
							<div>Eng. Hermenegildo Guterres</div>	<div>Arch. Rosa Amaral Vong</div>	



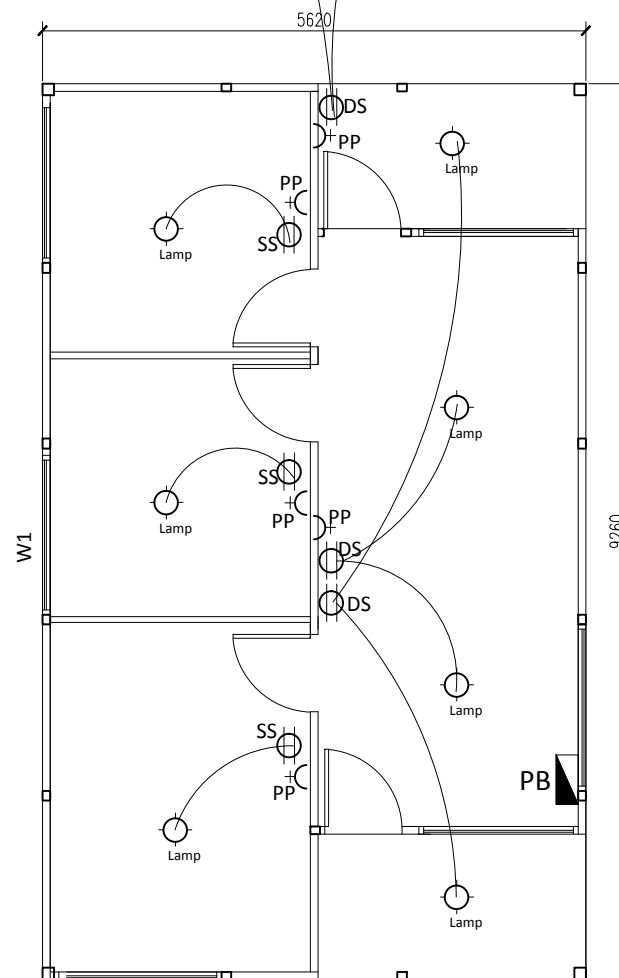
SECTION A-A
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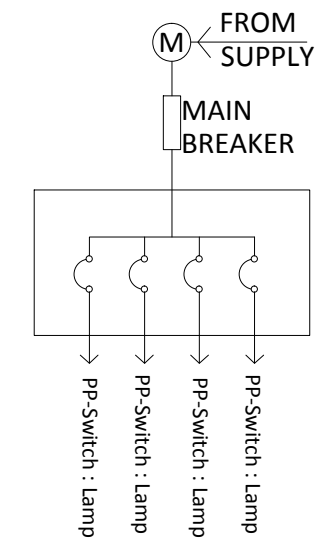
DETAIL TRUSS
Scale : 1'20



CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Section A-A & Detail Truss		Technical Team ADN		Chief of Public Building		Director Of DNEH-PU
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub – District , Timor Leste	1 : 30	04	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



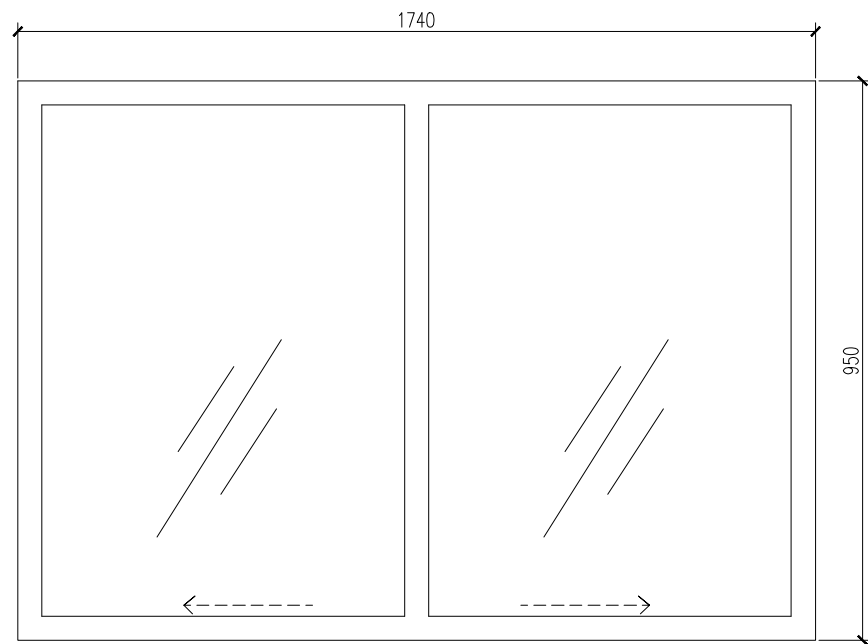
L	: Lamp 20.watt
SS	: Single Switch
DS	: Double Switch
PB	: Panel Board
PP	: Power Point
M	: Kilowatt Meter



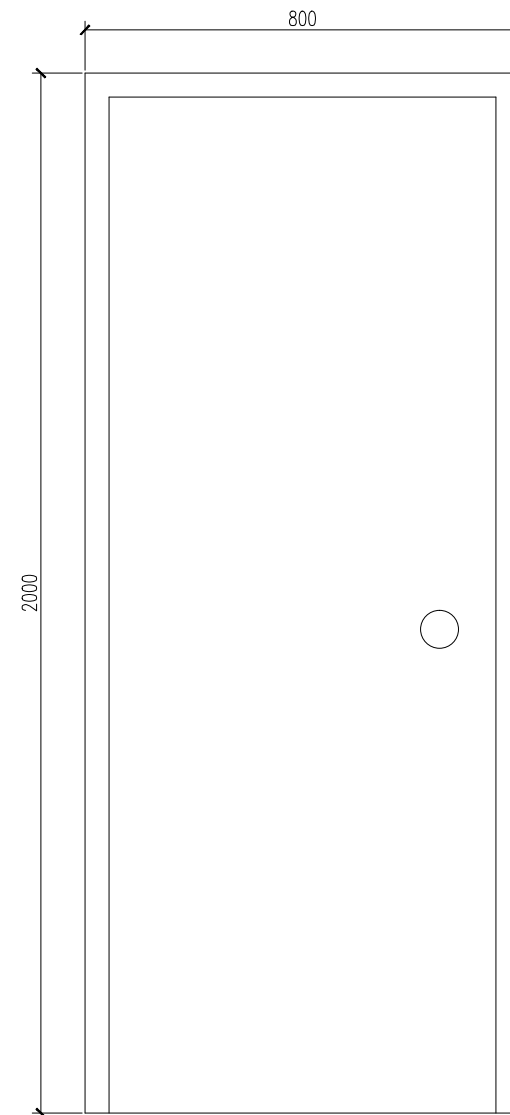
ELECTRICAL PLAN
Scale : 1'50



CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABILITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Electrical Plan		Technical Team ADN		Chief of Public Building Director Of DNEH-PU		
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub – District , Timor Leste	1 : 50	05	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guteres	Arch. Rosa Amaral Vong	



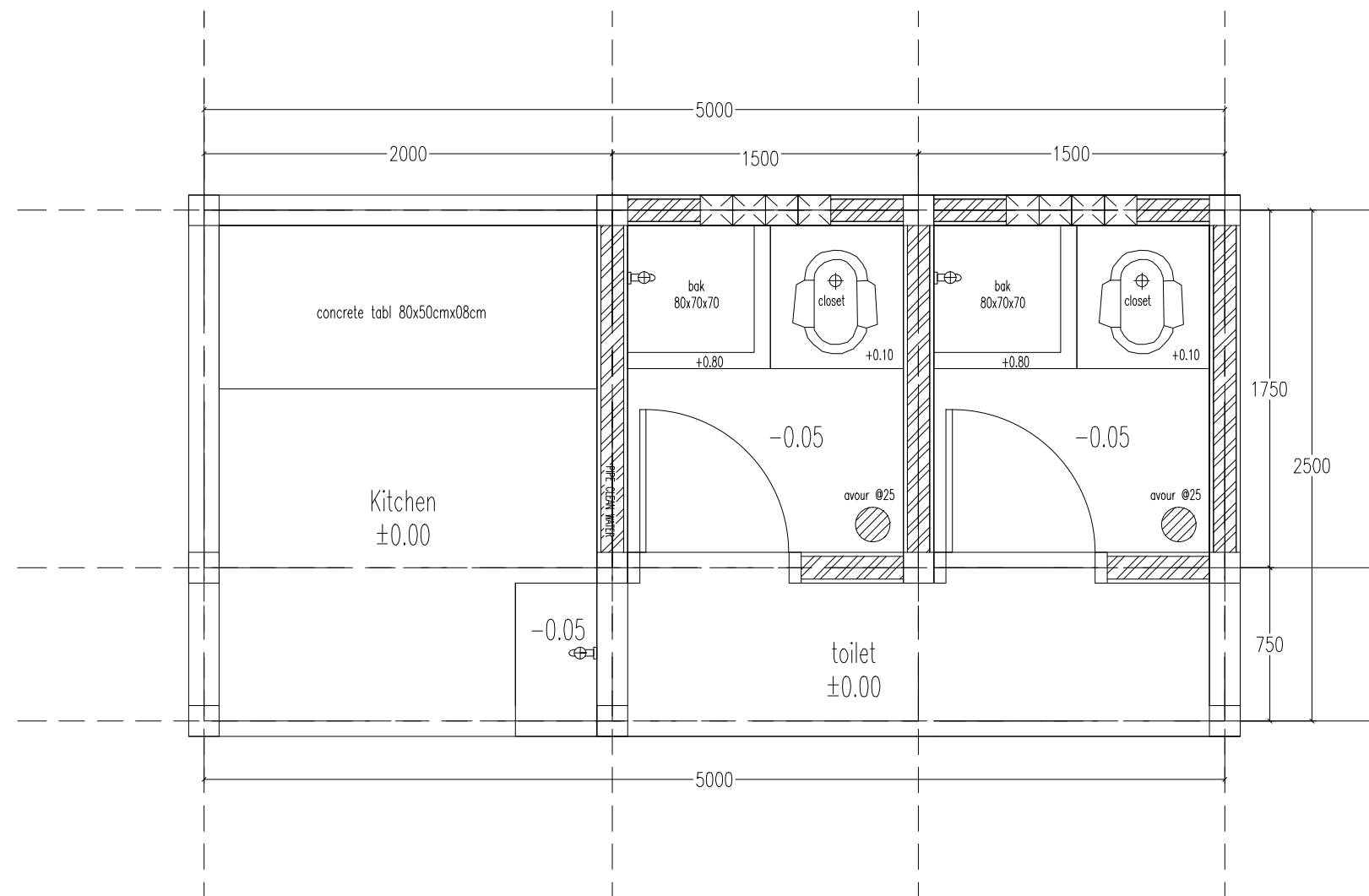
Window C1 (5x)
Scale : 1'10



Door D1, EPS composite panel door (5x)
Scale : 1'10



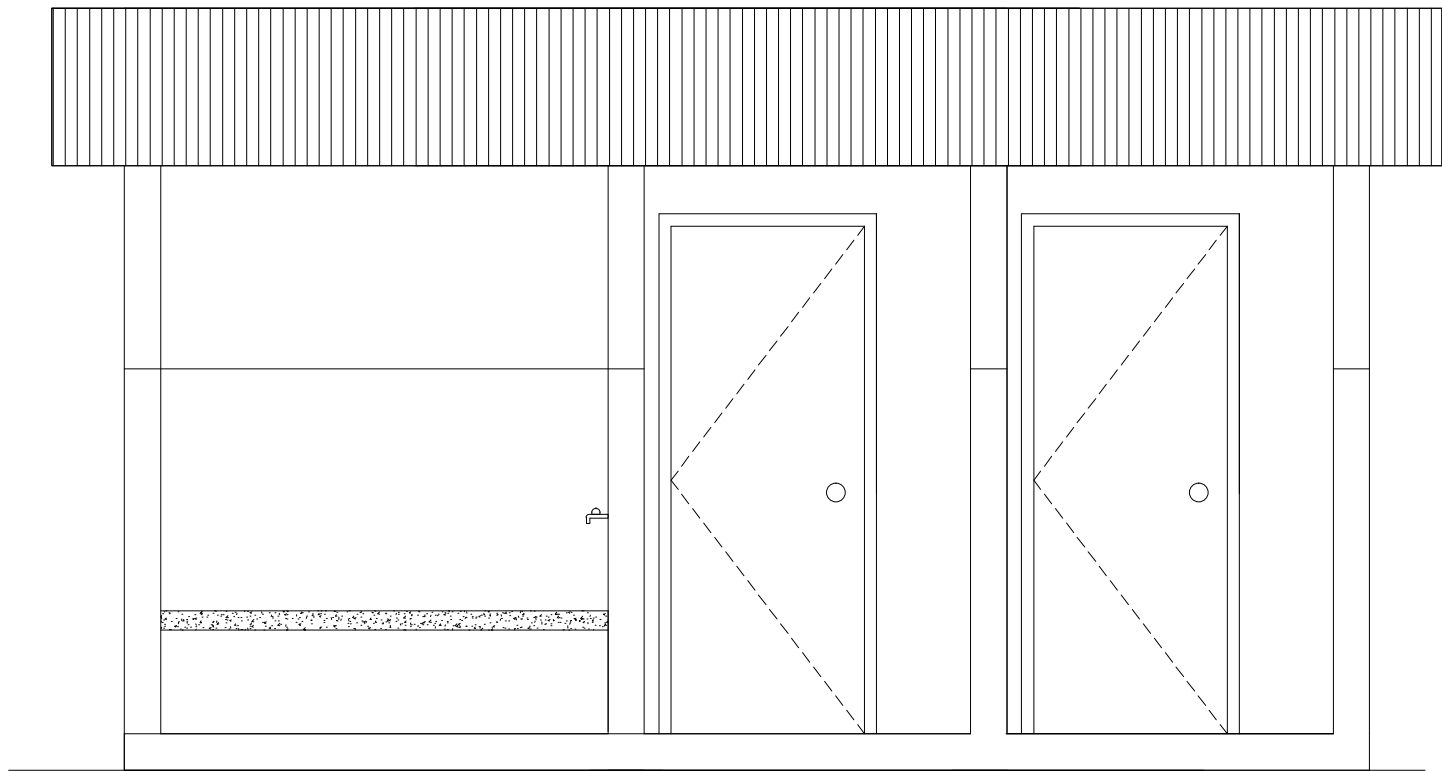
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Door & Window		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub – District , Timor Leste	1 : 20	06	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



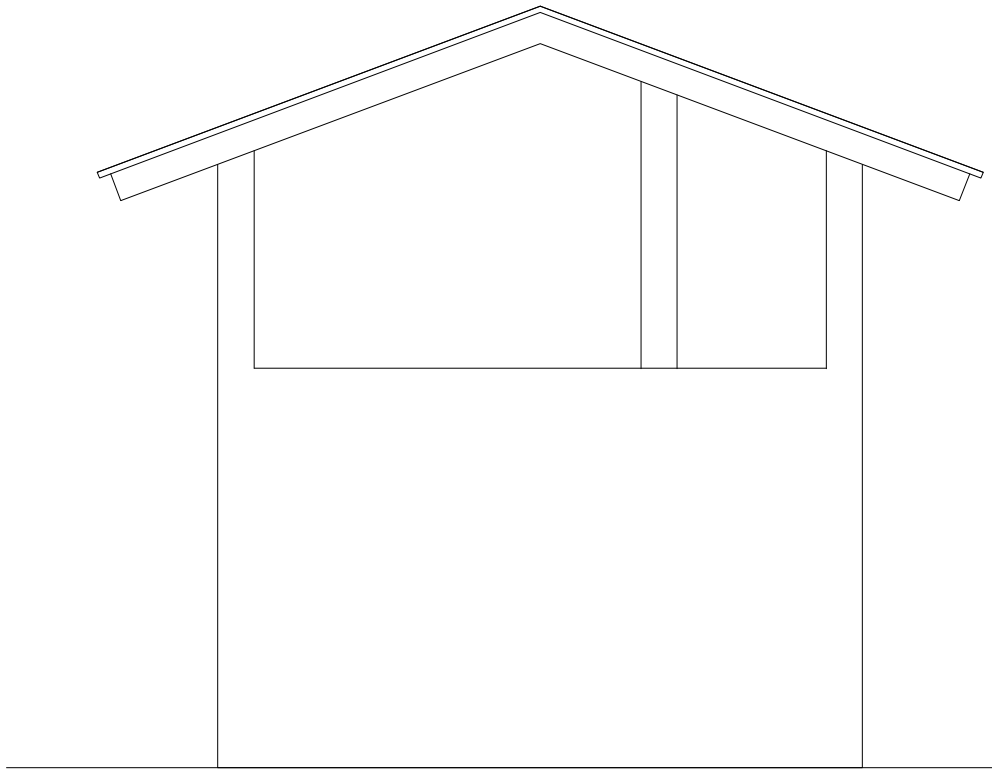
FLOOR PLAN
Scale : 1'20



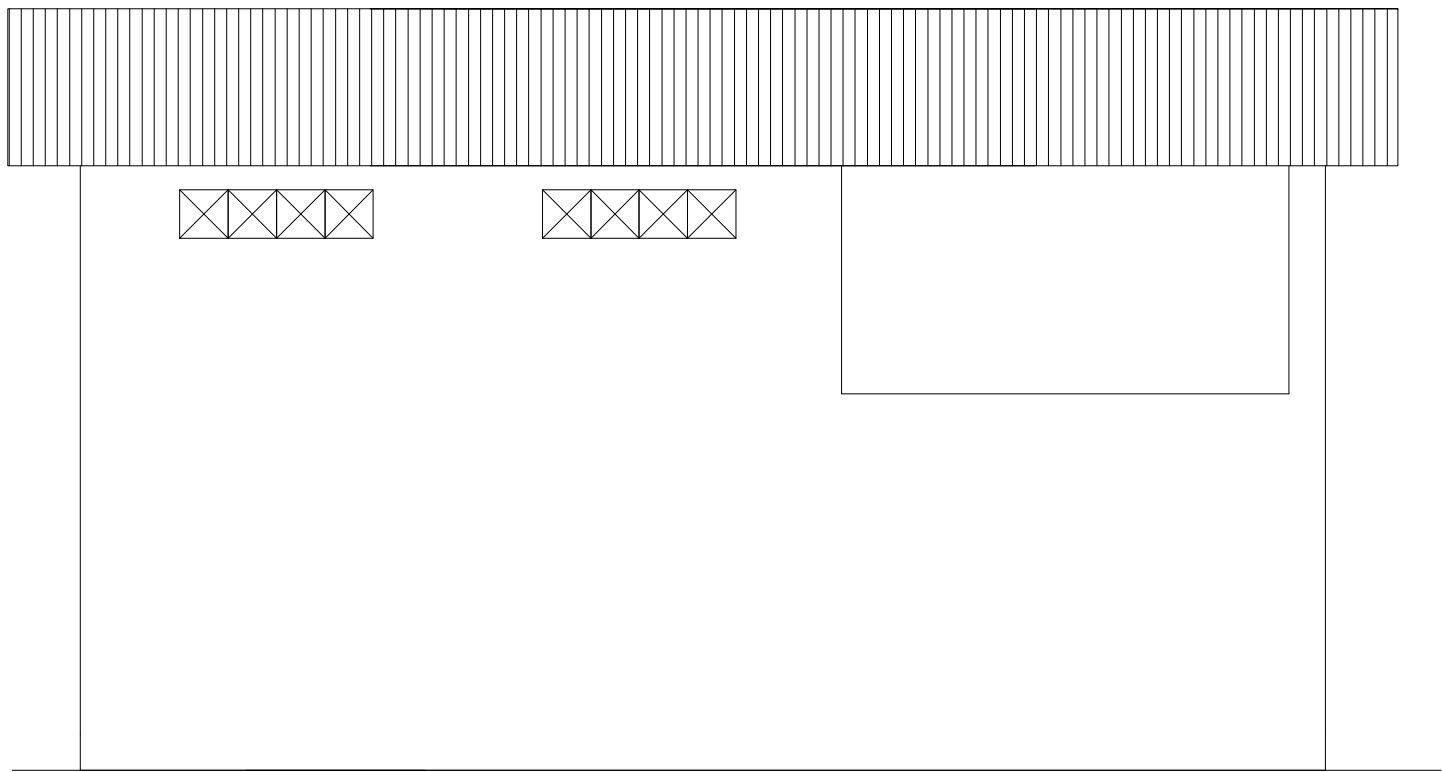
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REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Floor Plan for kitchen & toilet	Technical Team ADN	Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Checked By :	Approve By :	
	Sub - District , Timor Leste	1 : 20	07	Arch. Sheila Lobo da Silva	Eng. Hermenegildo Guterres Arch. Rosa Amaral Vong	



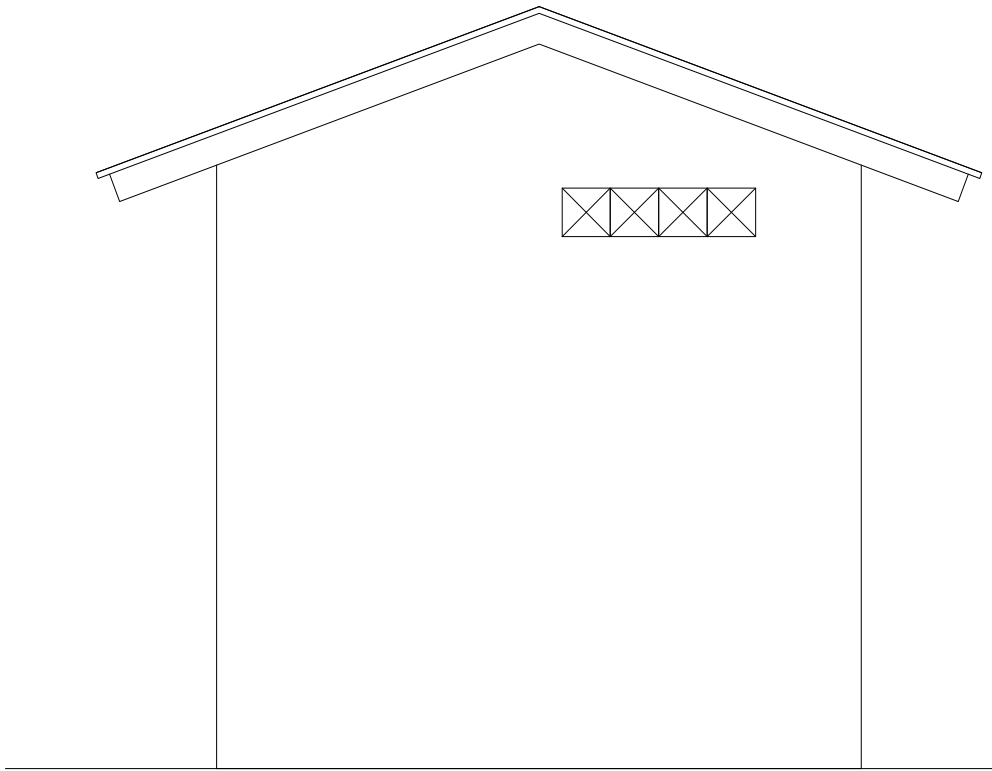
FRONT ELEVATION
Scale : 1'30



LEFT ELEVATION
Scale : 1'30



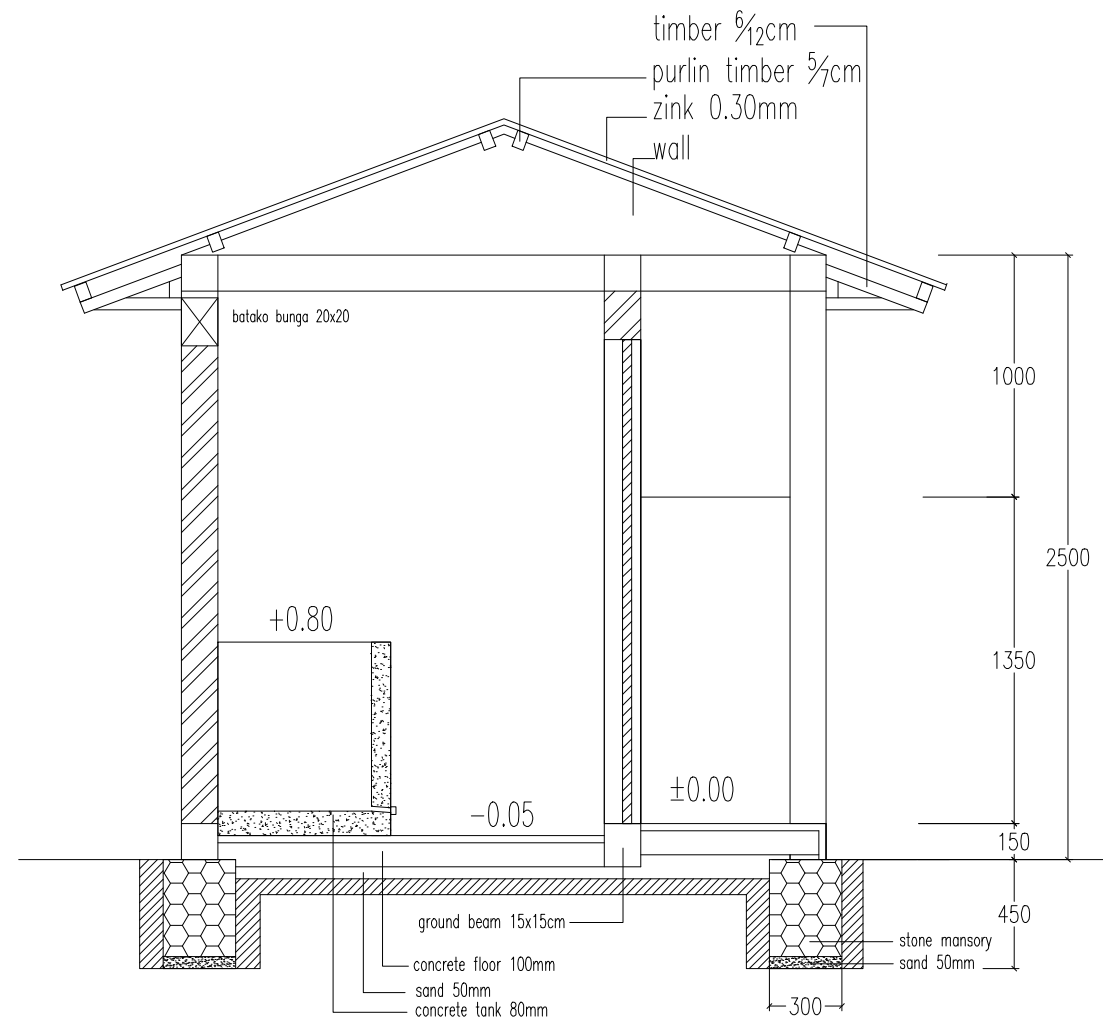
REAR ELEVATION
Scale : 1'30



RIGHT ELEVATION
Scale : 1'30



CLIENT/PROJECT OWNER : REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
	Construction of MDG'S Houses	Elevation		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub - District , Timor Leste	1 : 30	08	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



SECTION A-A
Scale : 1'20

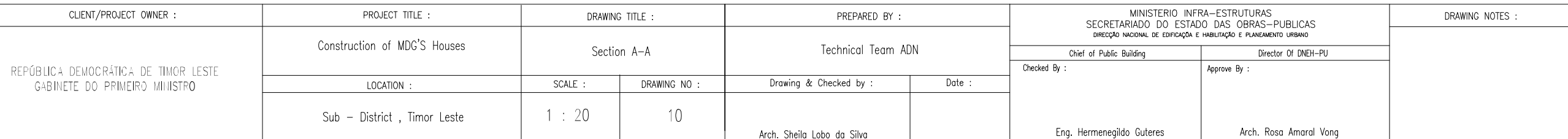


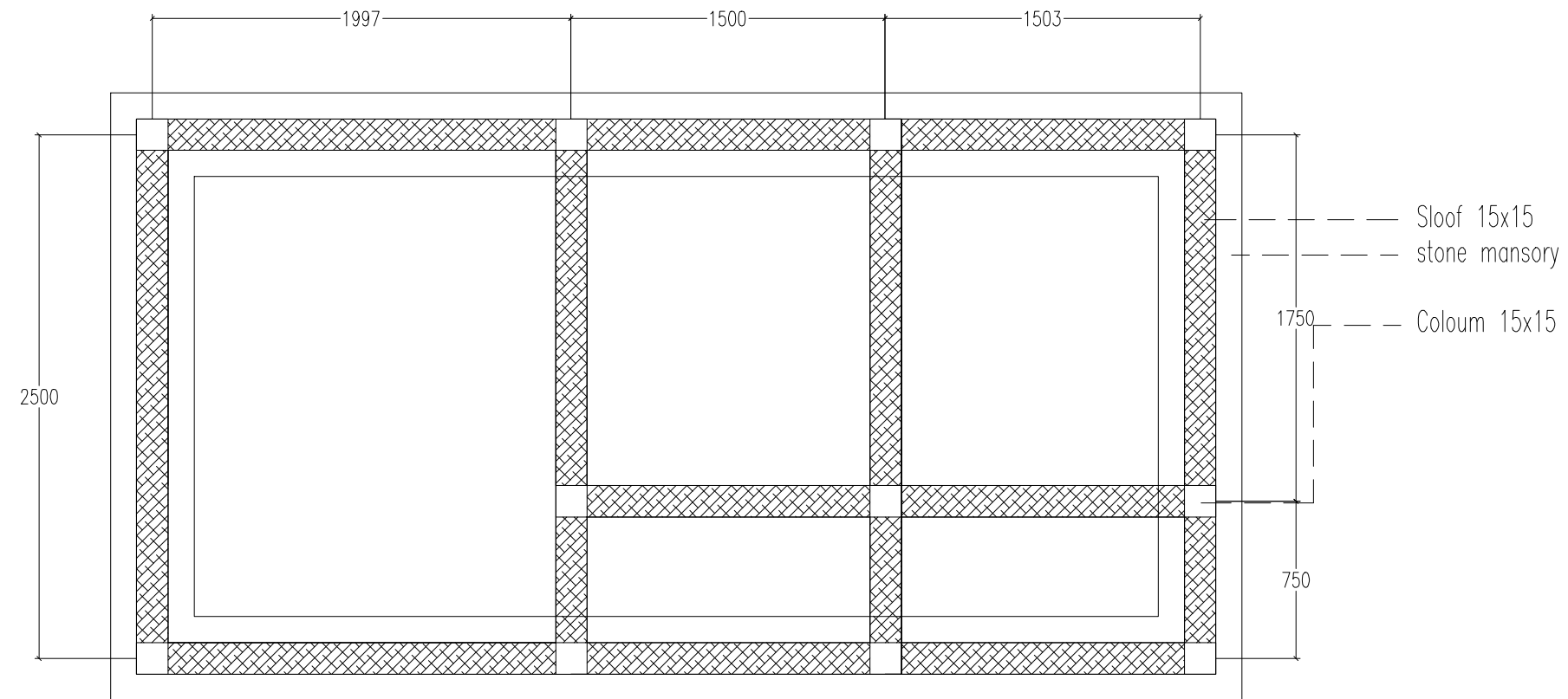
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REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Section A-A	Technical Team ADN	Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Checked By :	Approve By :	
	Sub - District , Timor Leste	1 : 20	09	Arch. Sheila Lobo da Silva	Eng. Hermenegildo Guterres	
					Arch. Rosa Amaral Vong	



DOCUMENT/ADN/001/2011

TYPE 50

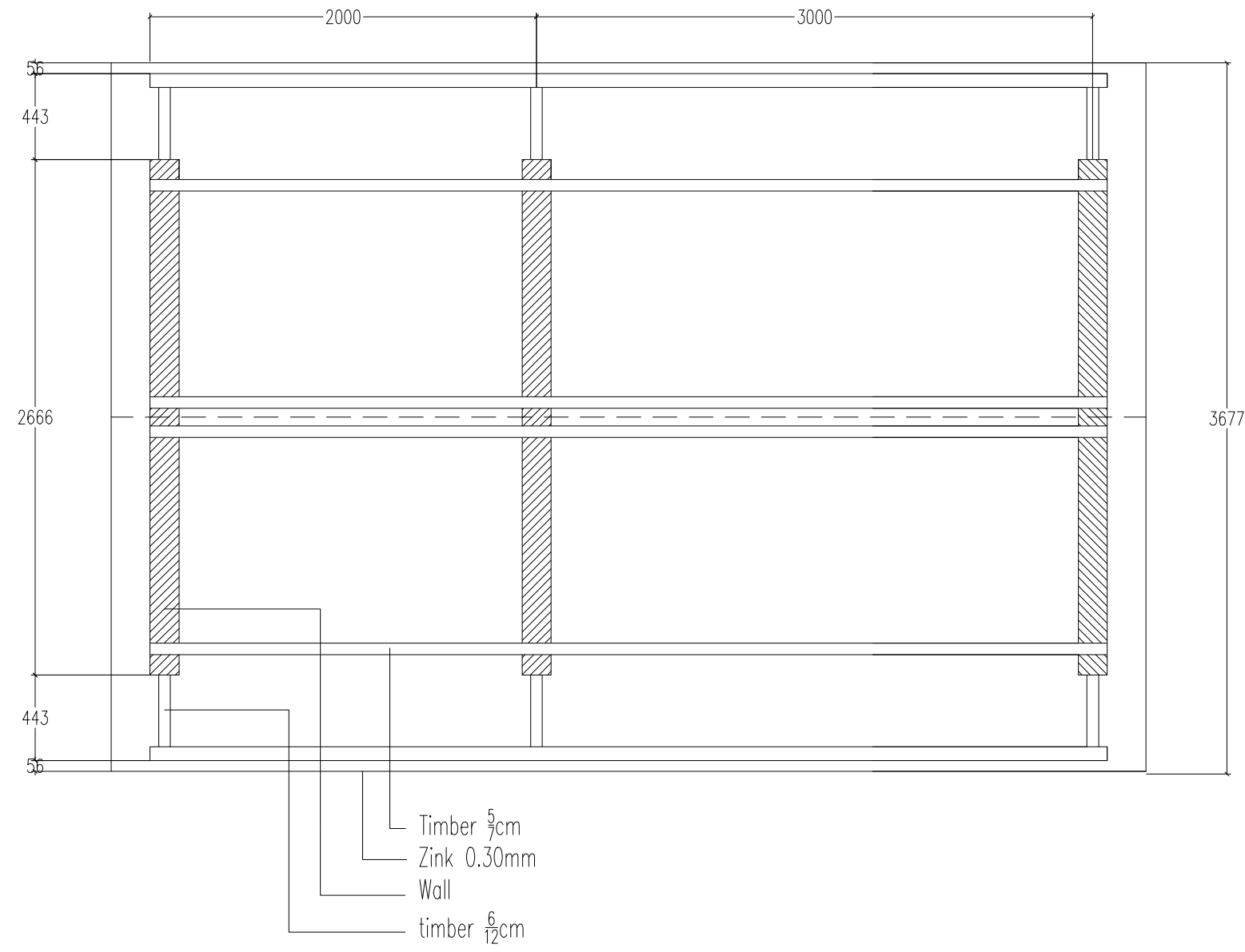




FOUNDATION PLAN
Scale : 1'20



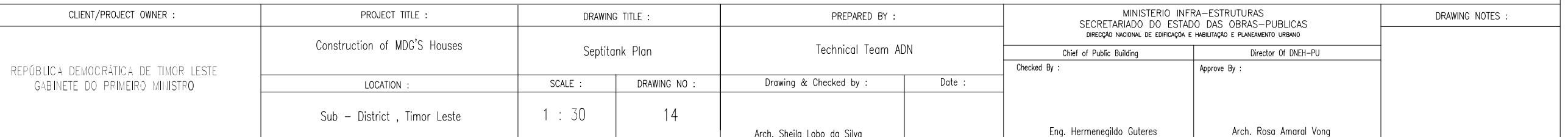
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REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Foundation Plan	Technical Team ADN	Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Checked By :	Approve By :	
	Sub - District , Timor Leste	1 : 20	11	Arch. Sheila Lobo da Silva	Eng. Hermenegildo Guterres Arch. Rosa Amaral Vong	

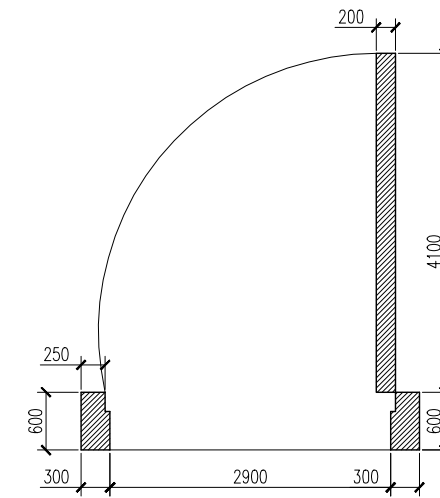
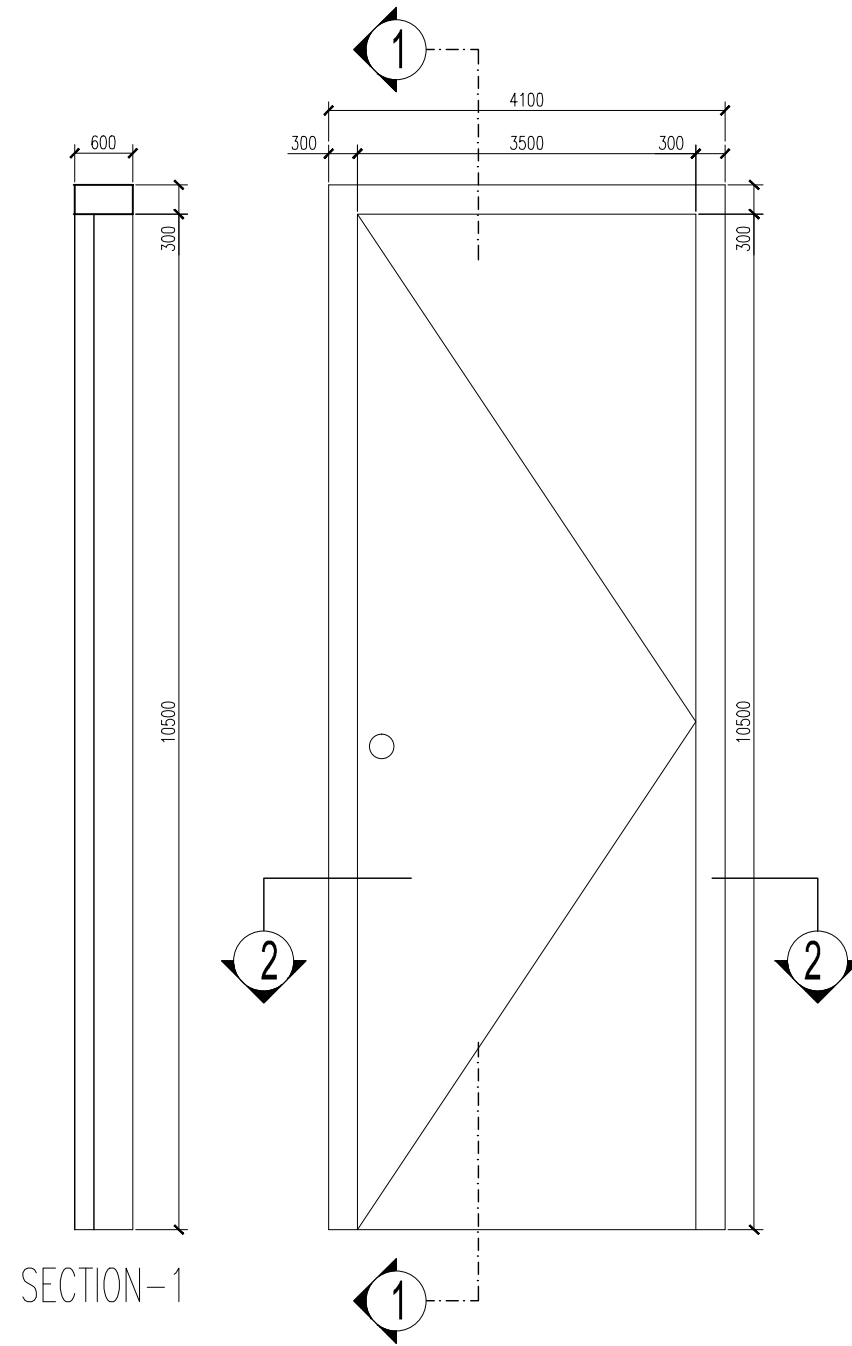


ROOFING FRAME PLAN
Scale : 1'20

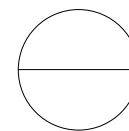


CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Roofing Frame Plan		Technical Team ADN				
						Chief of Public Building		Director Of DNEH-PU
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :		Date :	Checked By :	Approve By :
	Sub – District , Timor Leste	1 : 20	12	Arch. Sheila Lobo da Silva			Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong





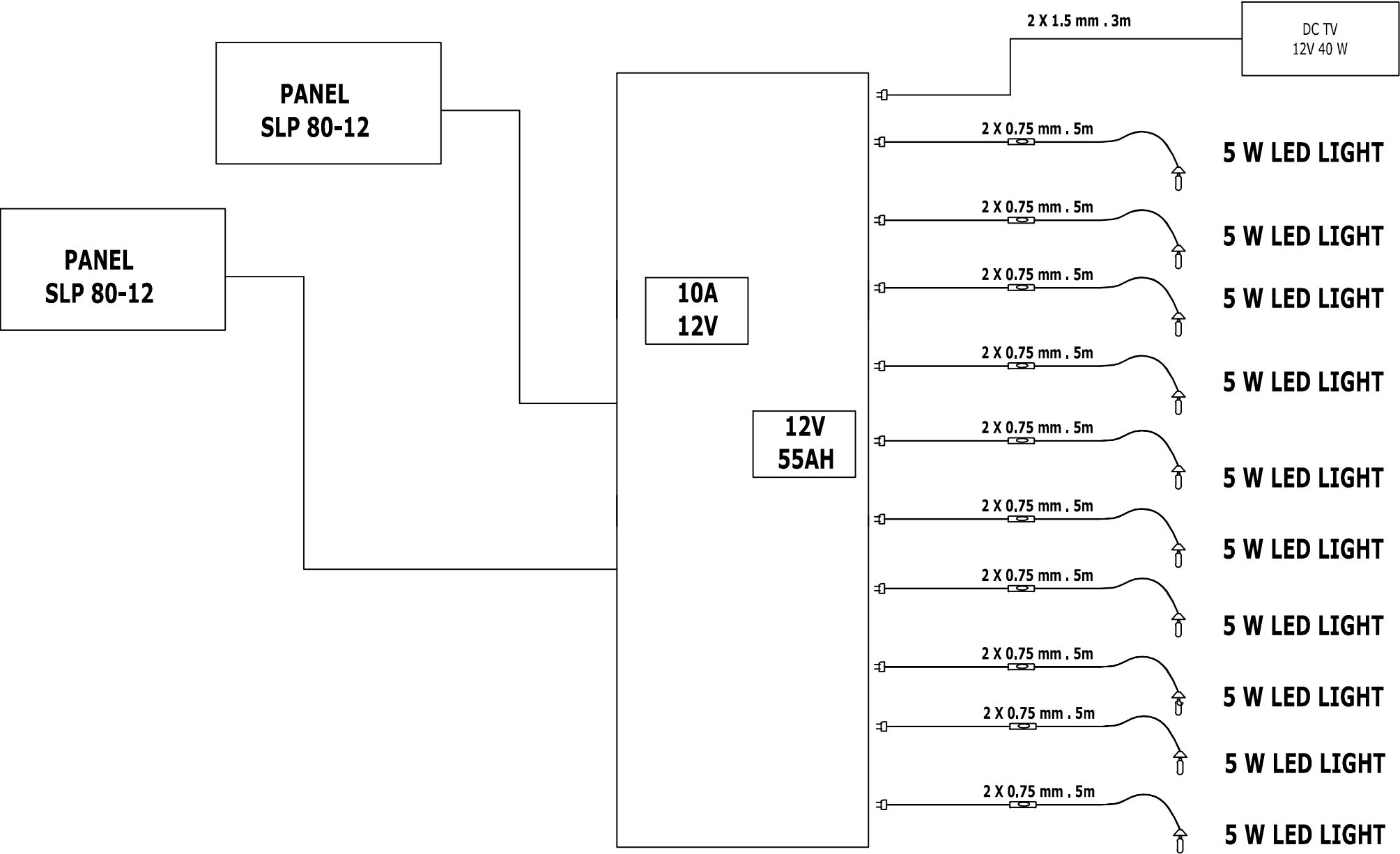
SECTION-2



DOOR -2X
SCALE 1 : 20



<div>REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE</div> <div>GABINETE DO PRIMEIRO MINISTRO</div>	CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
		Construction of MDG'S Houses	Detail Door & Window		Technical Team ADN				
		LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Chief of Public Building	Director Of DNEH-PU	
		Sub - District , Timor Leste	1 : 20	15	Arch. Sheila Lobo da Silva		Checked By :	Approve By :	
					Eng. Hermenegildo Guterres		Arch. Rosa Amaral Vong		



CLIENT/PROJECT OWNER :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE
GABINETE DO PRIMEIRO MINISTRO

PROJECT TITLE :
Construction of MDG'S Houses
LOCATION :
Sub - District , Timor Leste

DRAWING TITLE :
System Working solar panel
for house type 36
SCALE :
NTS
DRAWING NO :
15

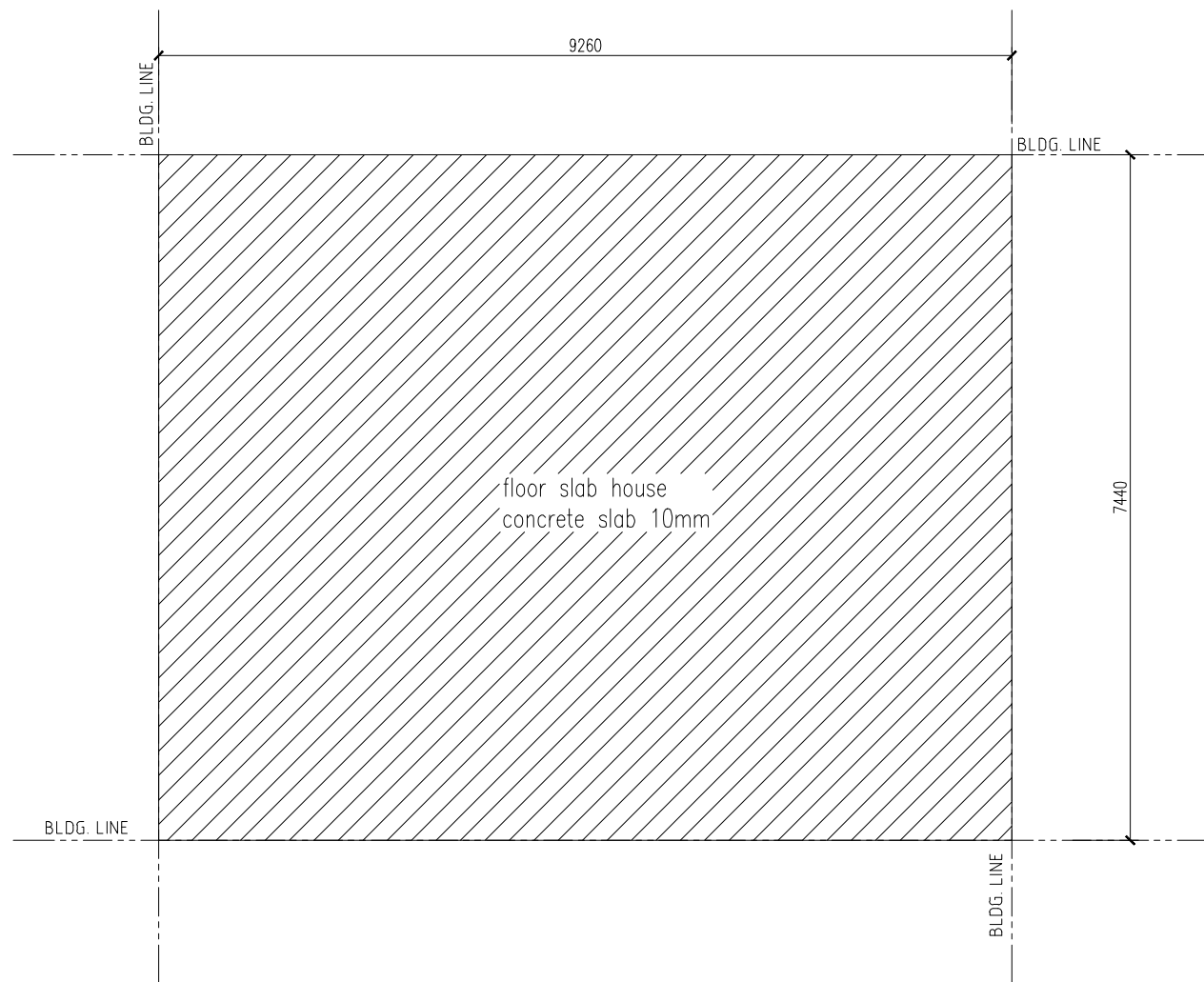
PREPARED BY :
Technical Team ADN
Drawing & Checked by :
Arch. Sheila Lobo da Silva
Date :

MINISTERIO INFRA-ESTRUTURAS
SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS
DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO
Chief of Public Building
Director Of DNEH-PU
Checked By :
Eng. Hermenegildo Guterres
Approve By :
Arch. Rosa Amaral Vong

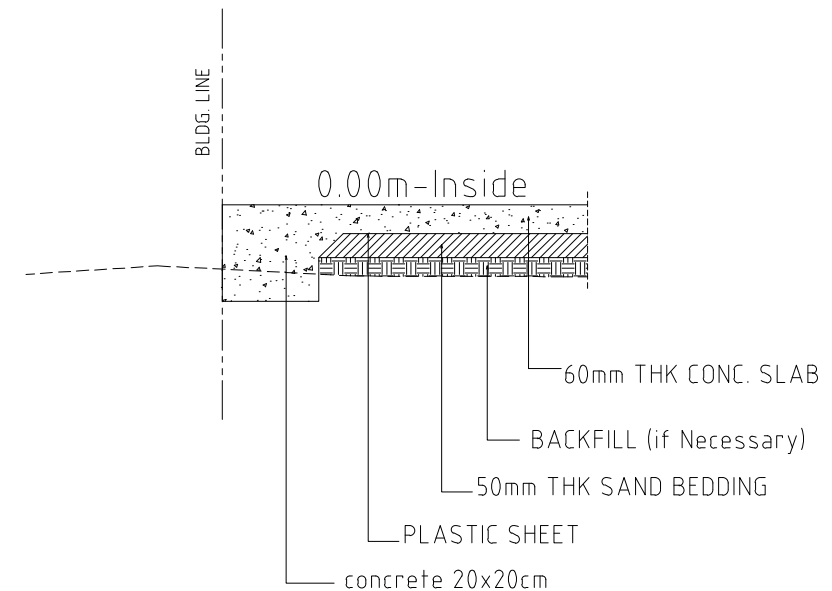
DRAWING NOTES :

DRAWINGS

HOUSE TYPE 70



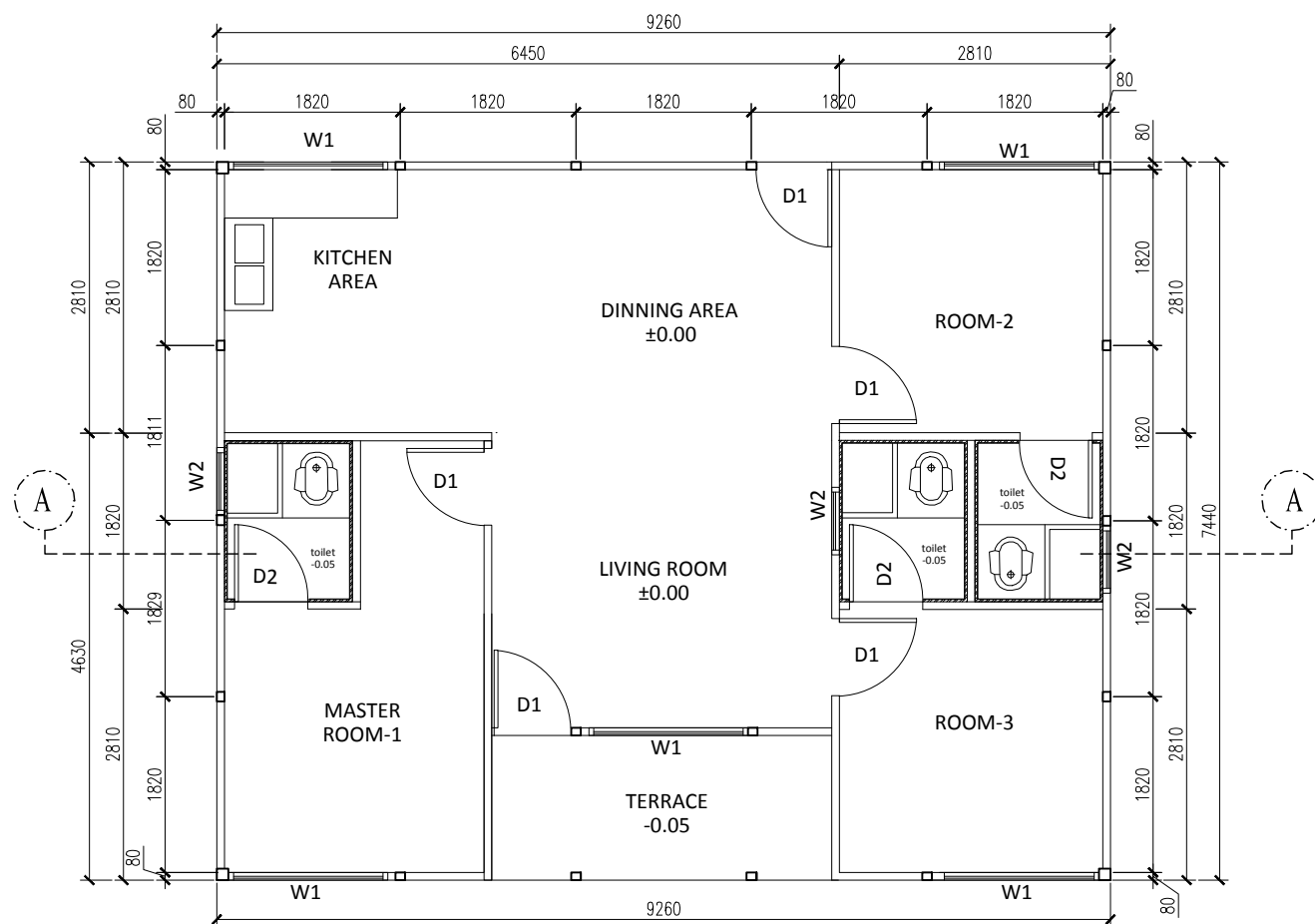
FLOOR SLAB HOUSE TYPE 70
Scale : 1'50



DETAIL FOUNDATION
Scale : 1'20



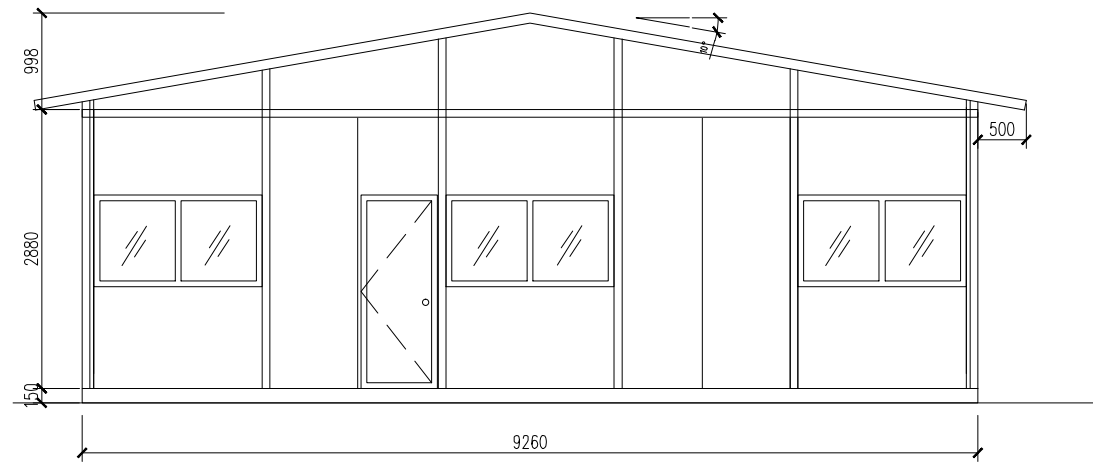
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REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Floor Slab House	Technical Team ADN	Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Checked By :	Approve By :	
	District , Timor Leste	1 : 50	01	Arch. Sheila Lobo da Silva	Eng. Hermenegildo Guterres	
					Arch. Rosa Amaral Vong	



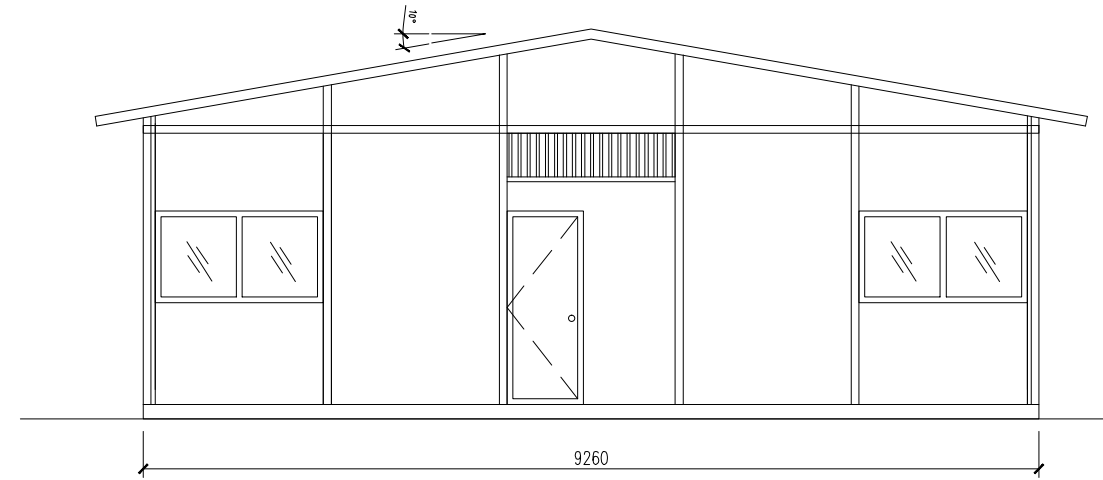
FLOOR PLAN-TYPE 70
Scale : 1'50



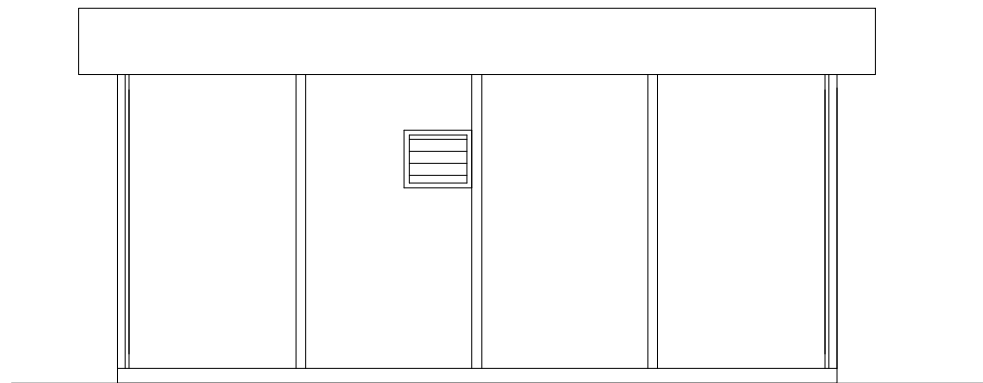
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Floor Plan		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	District , Timor Leste	1 : 50	02	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



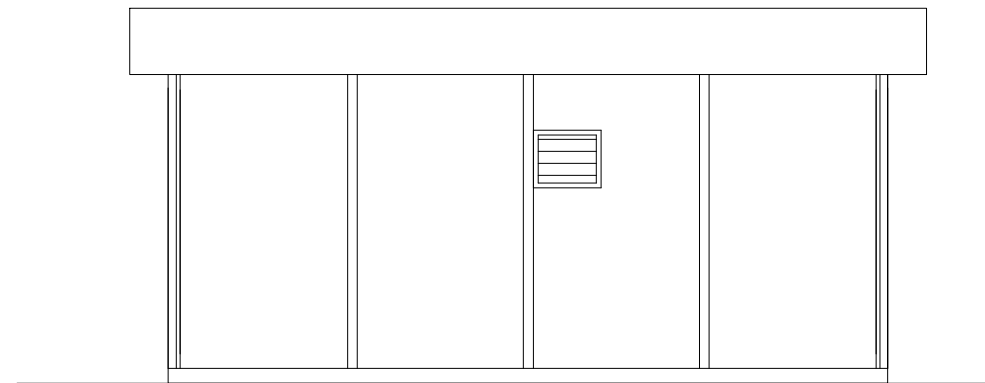
1 FRONT ELEVATION
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2 REAR ELEVATION
Scale: 1:50



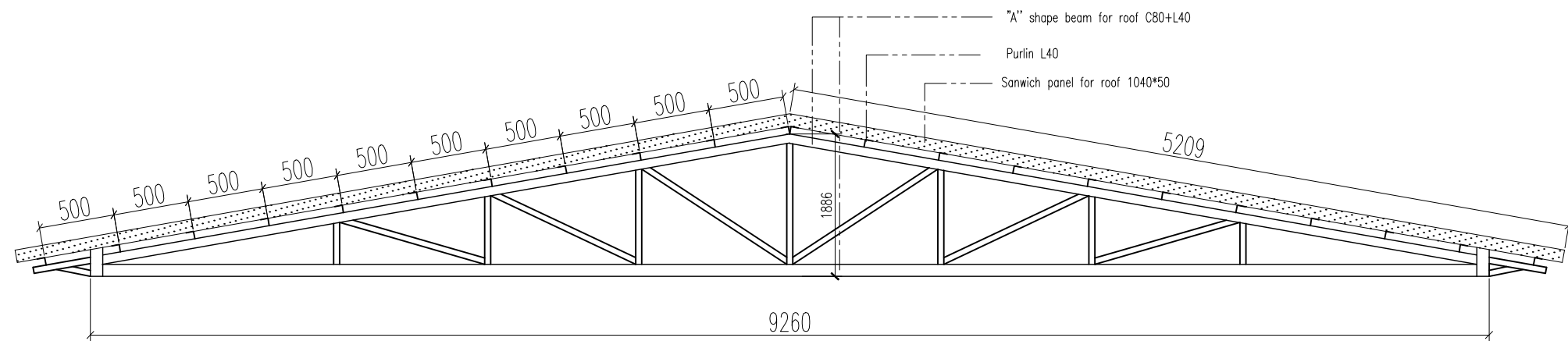
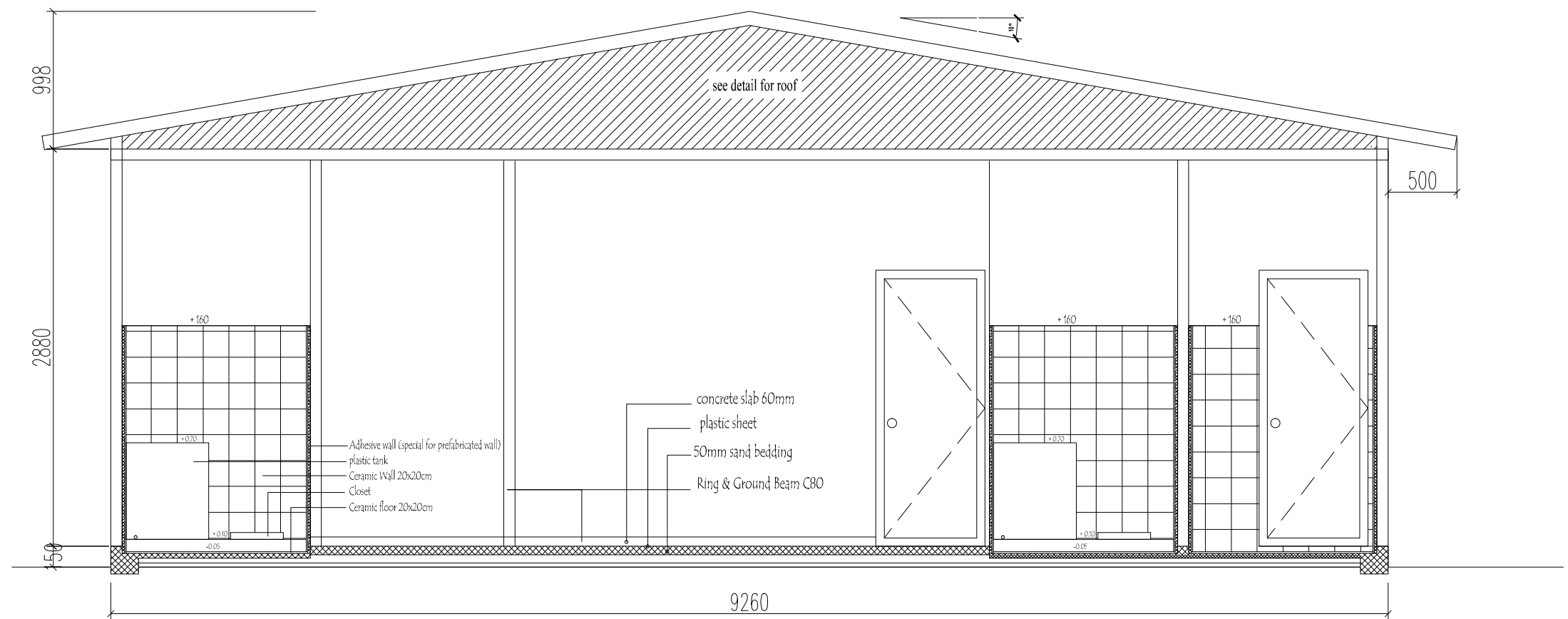
3 LEFT ELEVATION
Scale: 1:50



4 RIGHT ELEVATION
Scale: 1:50



CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABILITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Elevation		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	District , Timor Leste	1 : 50	03	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	

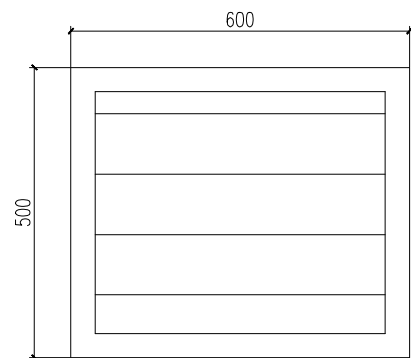


SECTION A-A
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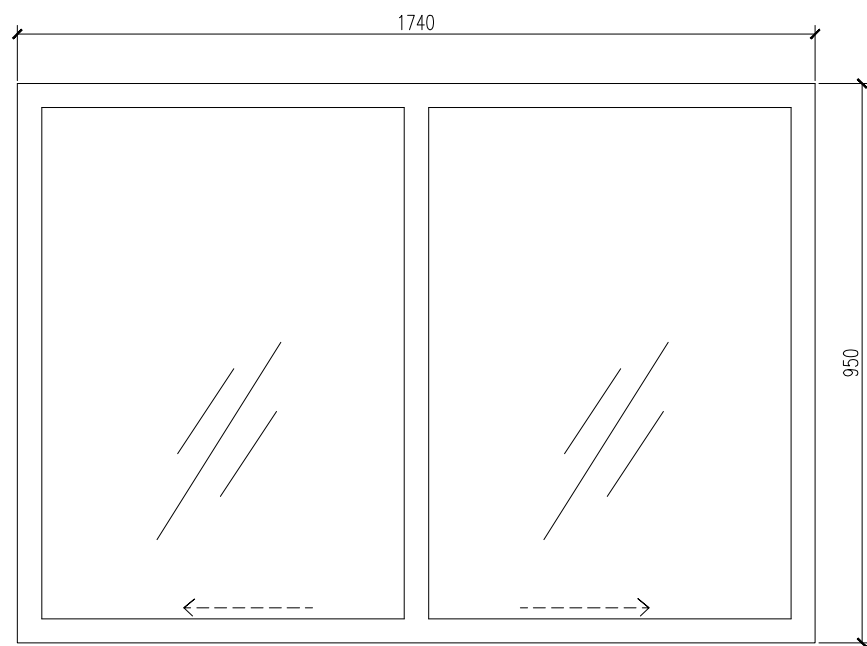
DETAIL TRUSS
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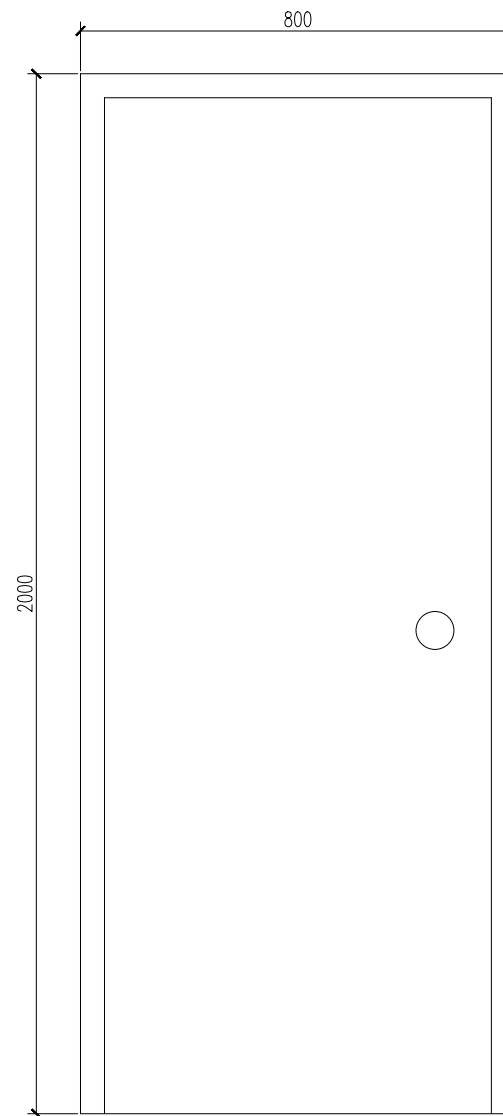
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Section A-A & Detail Roofing		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	District , Timor Leste	1 : 30	04	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



⊕ Ventilation (3x)
Scale : 1'10



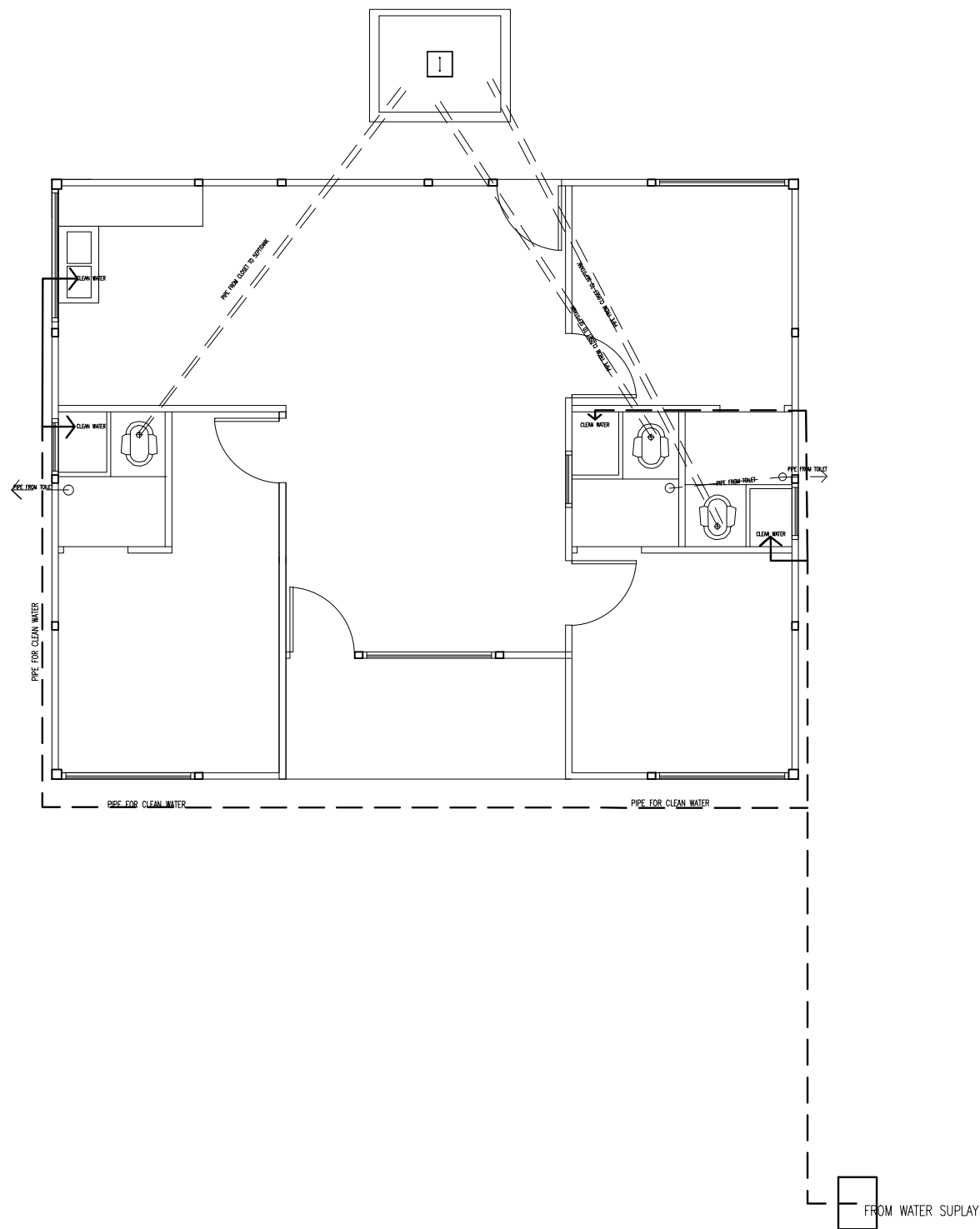
⊕ Pvc Frame sliding windows & glasses (5x)
Scale : 1'10



⊕ Panel Door Aluminium D2(3x)
Scale : 1'10



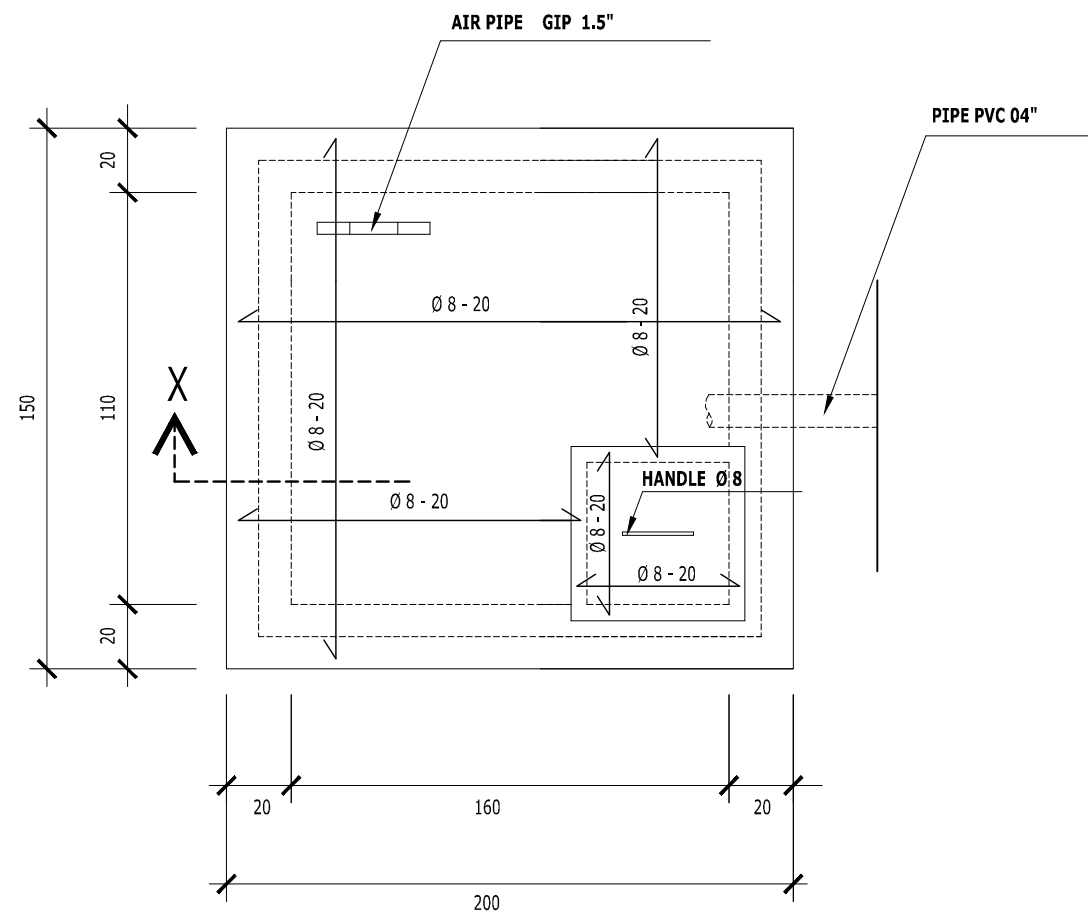
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO		Construction of MDG'S Houses		Door & Window		Technical Team ADN					
		LOCATION :		SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Chief of Public Building		Director Of DNEH-PU	
		District , Timor Leste		1 : 10	06	Arch. Sheila Lobo da Silva		Checked By :		Approve By :	
								Eng. Hermenegildo Guterres		Arch. Rosa Amaral Vong	



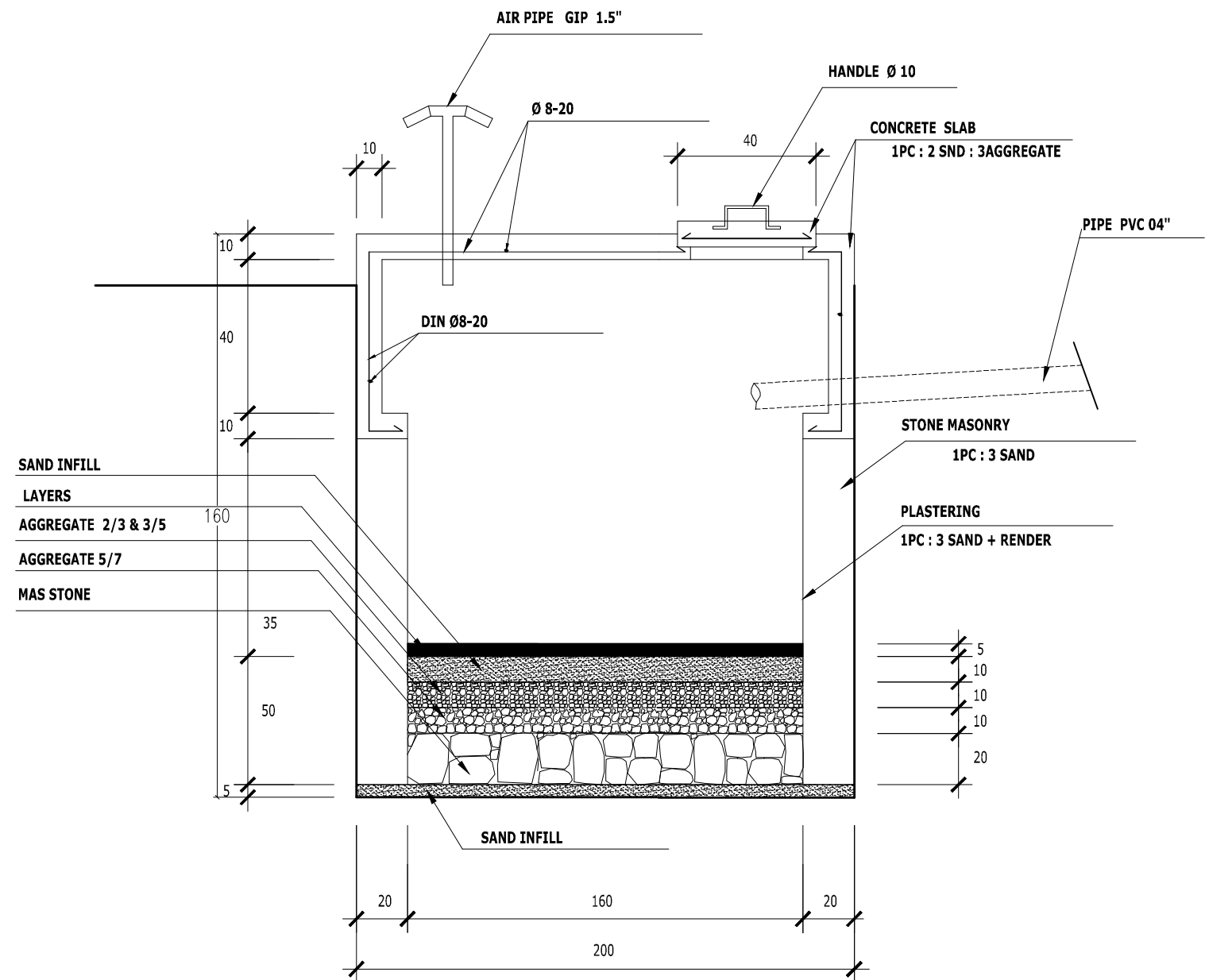
SANITATION PLAN-TYPE 70
Scale : 1'50



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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Sanitation Plan		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	District , Timor Leste	1 : 50	07	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



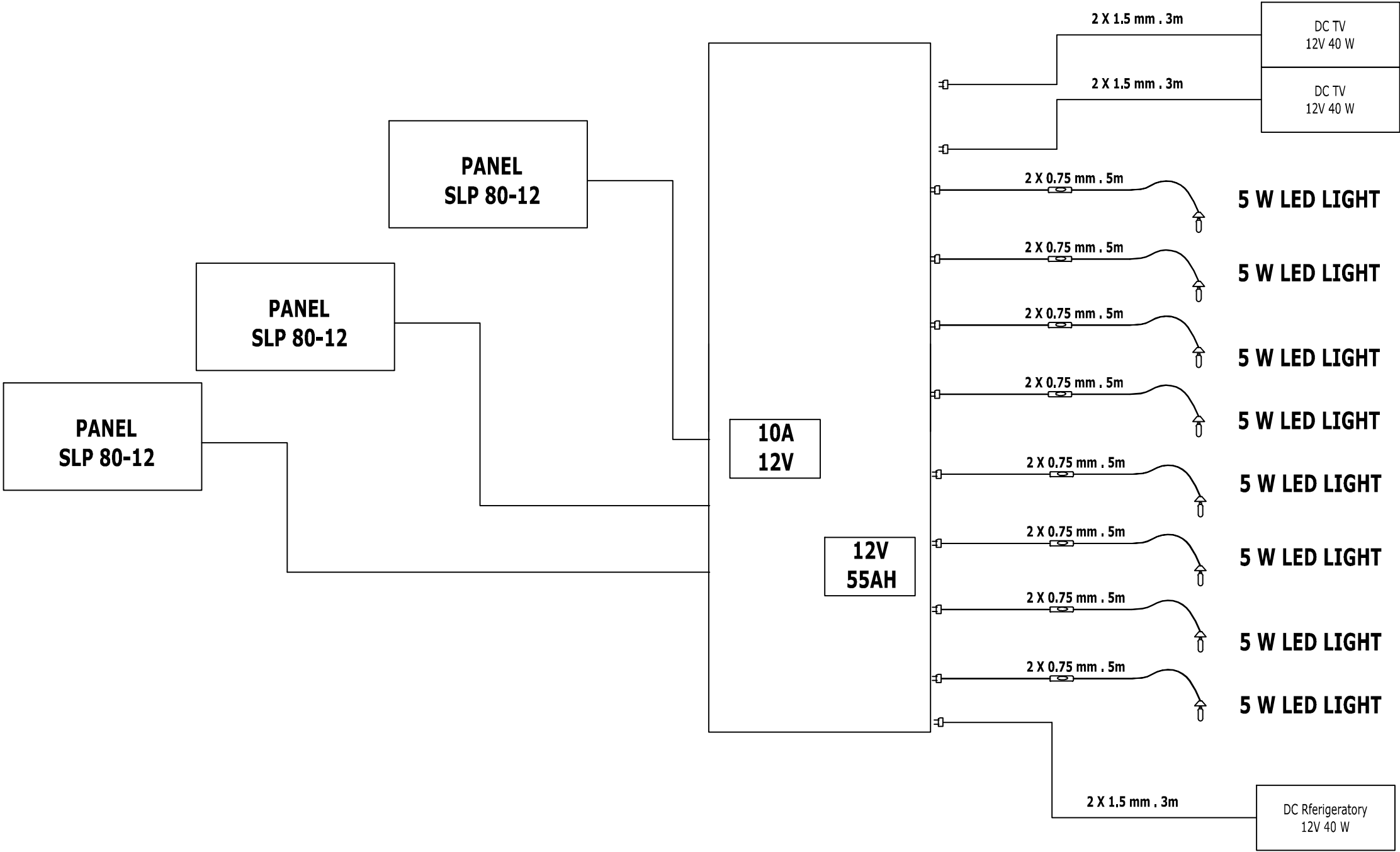
SEPTICTANK PLAN
SCALE 1 : 30



SECTION A-A
SCALE 1 : 30



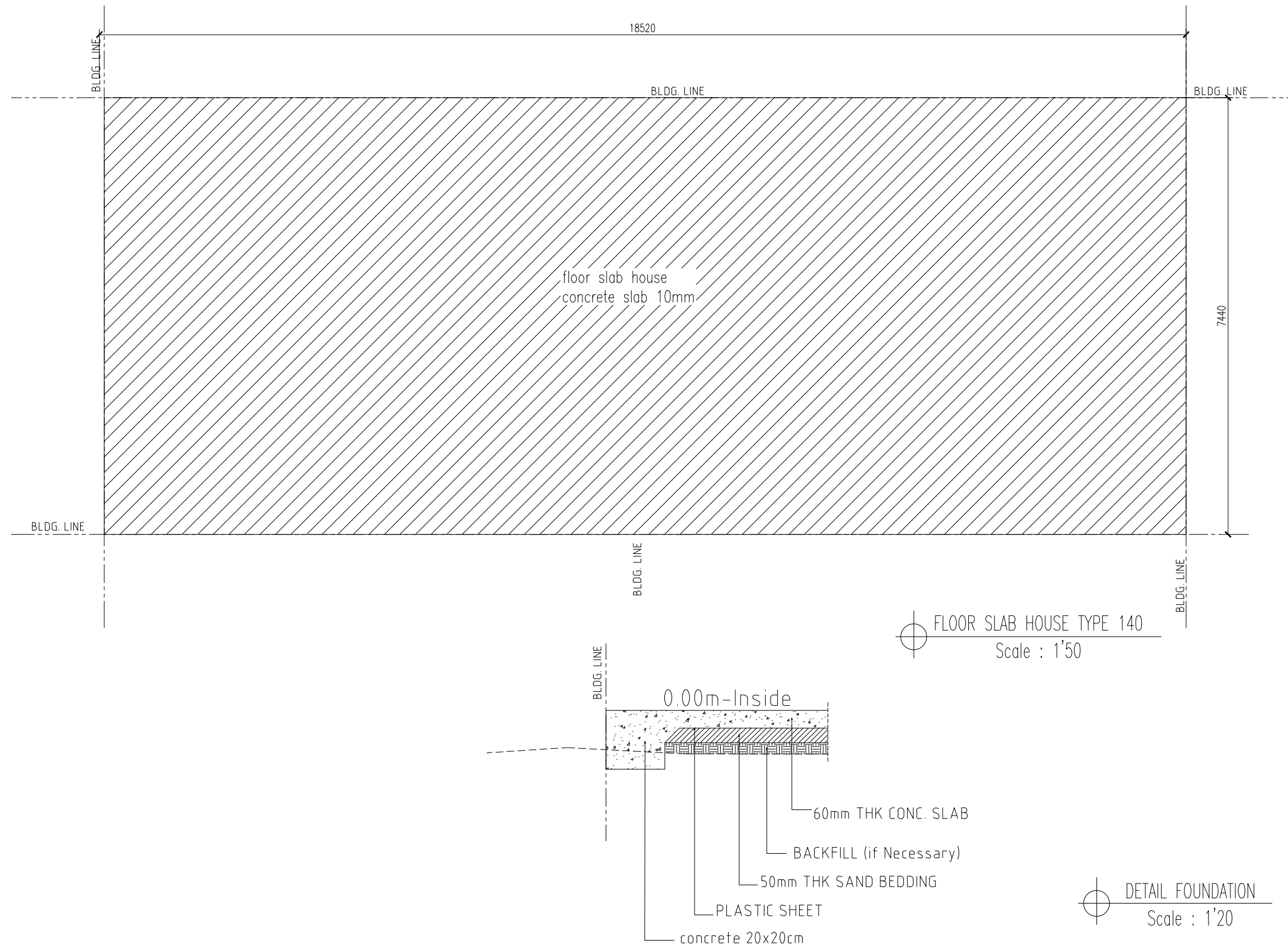
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REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Septitank Plan	Technical Team ADN	Chief of Public Building		
	LOCATION :	SCALE :	DRAWING NO :	Checked By :	Director Of DNEH-PU	
	District , Timor Leste	1 : 30	08	Drawing & Checked by : Arch. Sheila Lobo da Silva	Date : Eng. Hermenegildo Guterres	
				Approve By : Arch. Rosa Amaral Vong		



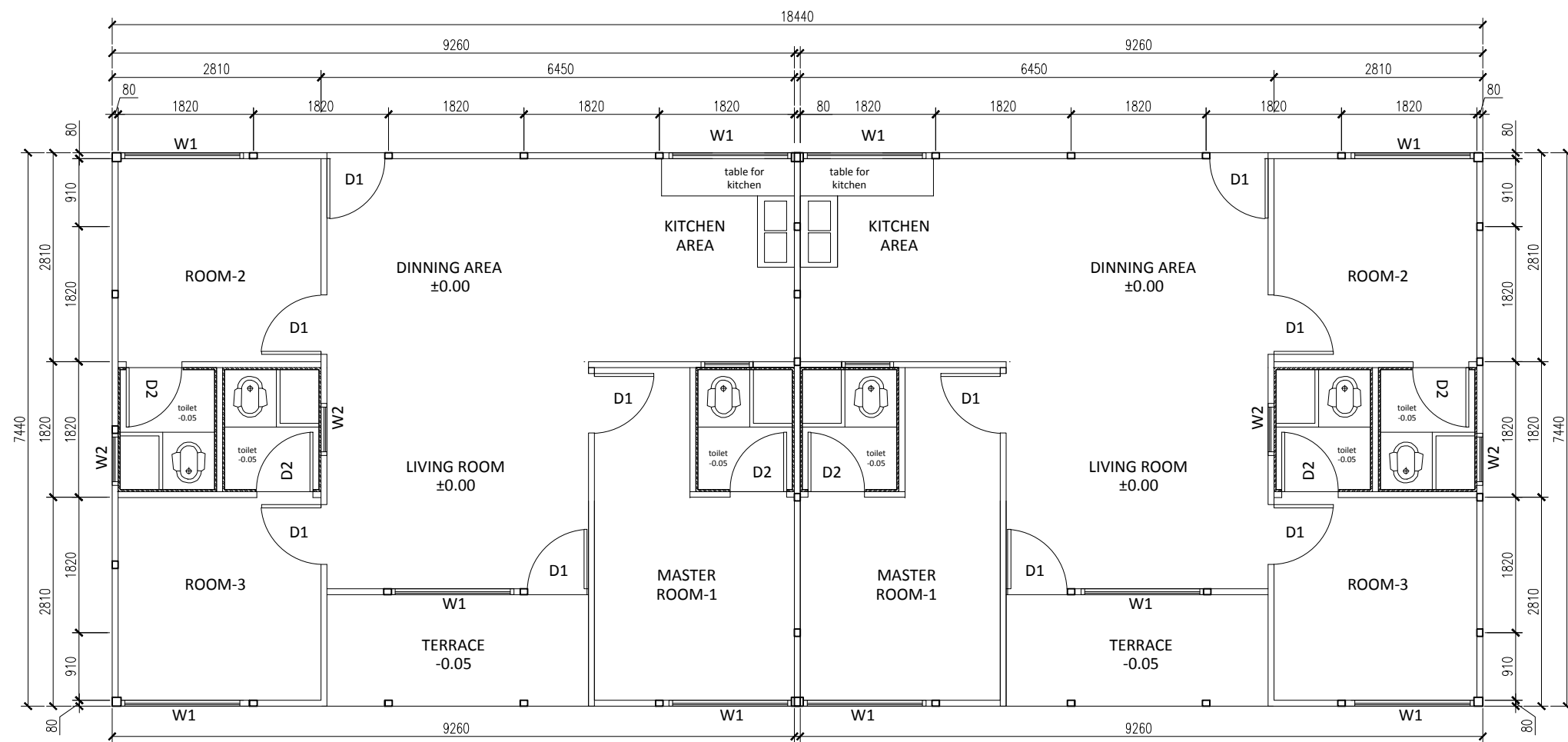
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	system working solar panel for house type 70		Technical Team ADN		Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	District , Timor Leste	NTS	09	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	

DRAWINGS

HOUSE TYPE 140



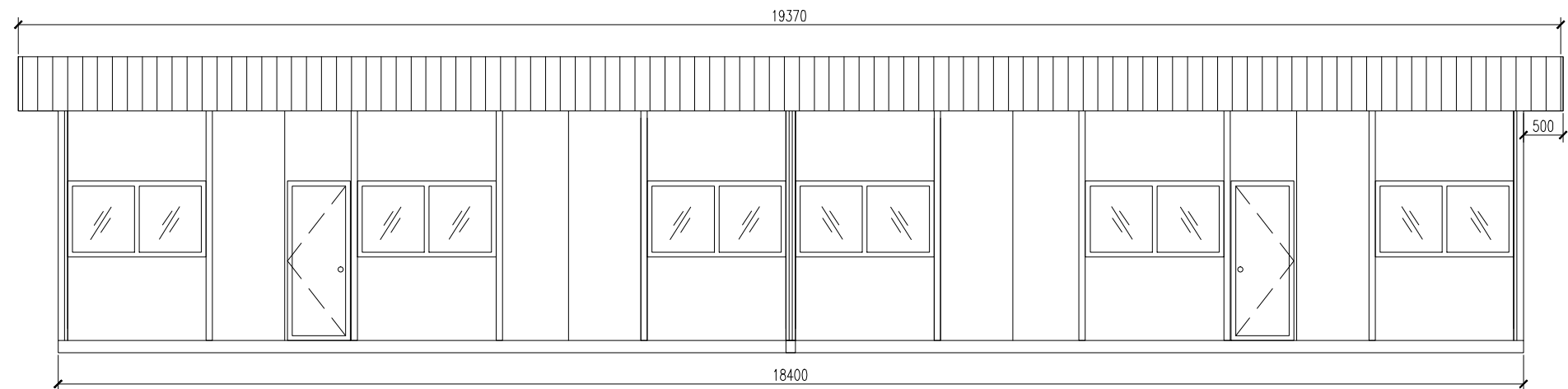
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	<div>LOCATION :</div> <div>Sub-District , Timor Leste</div>		<div>SCALE :</div> <div>1 : 50</div>	<div>DRAWING NO :</div> <div>01</div>	<div>Drawing & Checked by :</div> <div>Arch. Sheila Lobo da Silva</div>	<div>Date :</div>	<div>Chief of Public Building</div> <div>Checked By :</div> <div>Eng. Hermenegildo Guterres</div>	<div>Director Of DNEH-PU</div> <div>Approve By :</div> <div>Arch. Rosa Amaral Vong</div>



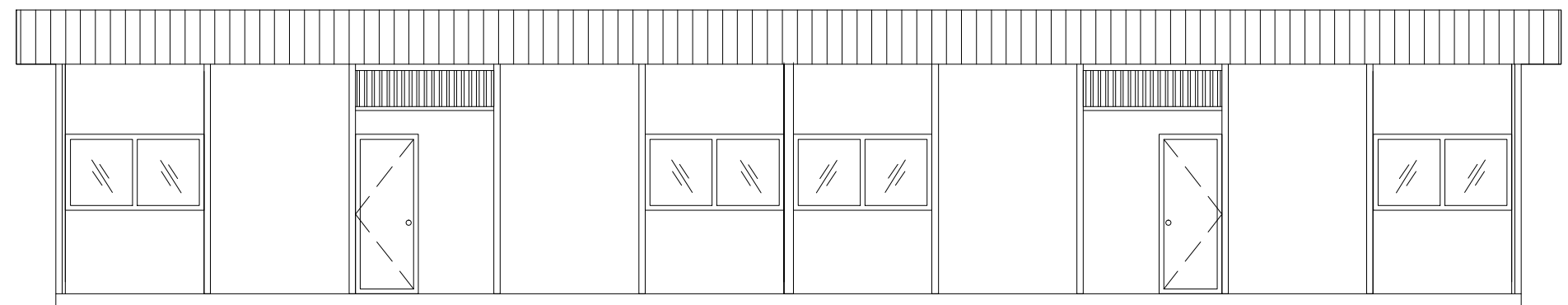
FLOOR PLAN
Scale : 1'50



CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Floor Plan		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub-District , Timor Leste	1 : 50	02	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



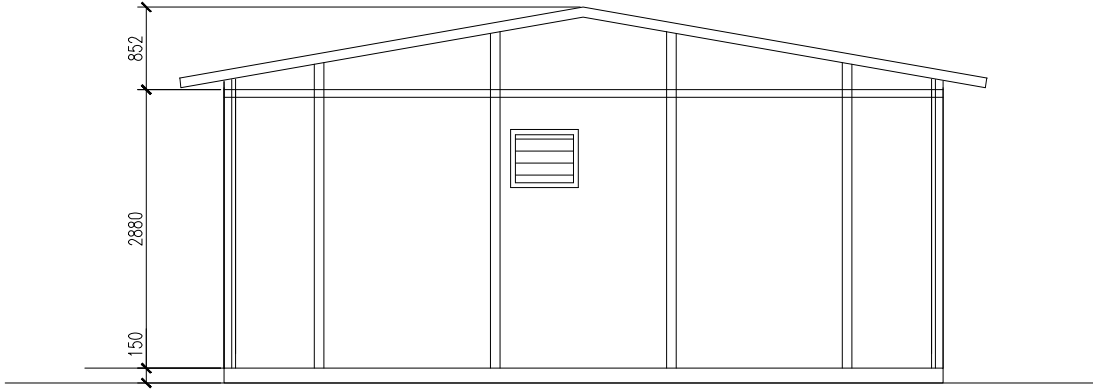
1 FRONT ELEVATION
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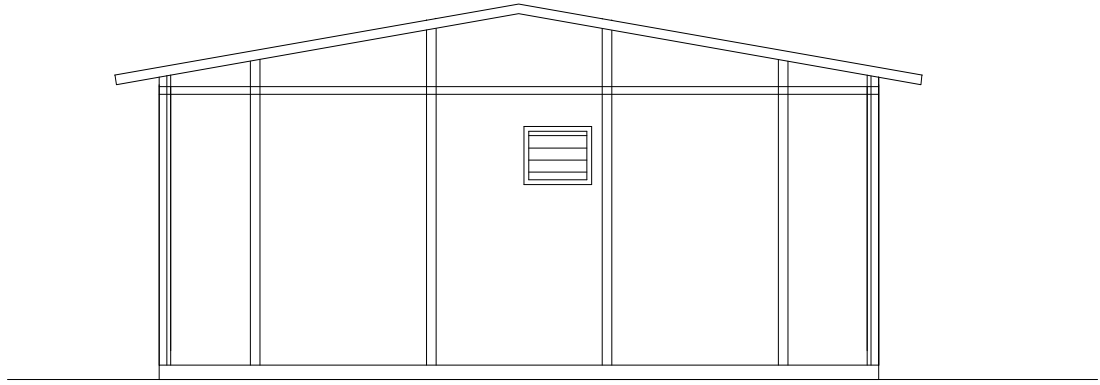
2 REAR ELEVATION
Scale: 1:50



CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Elevation		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub-District , Timor Leste	1 : 50	03	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



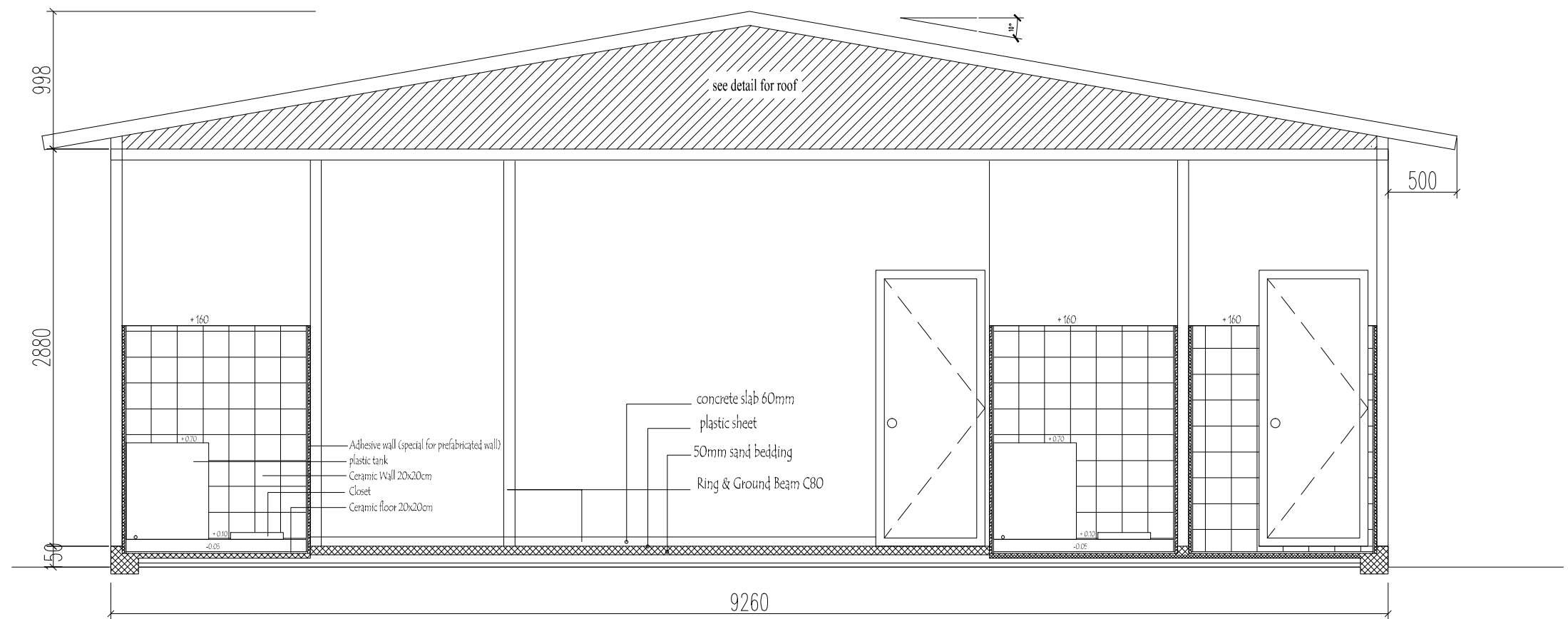
3 RIGHT ELEVATION
Scale: 1:50



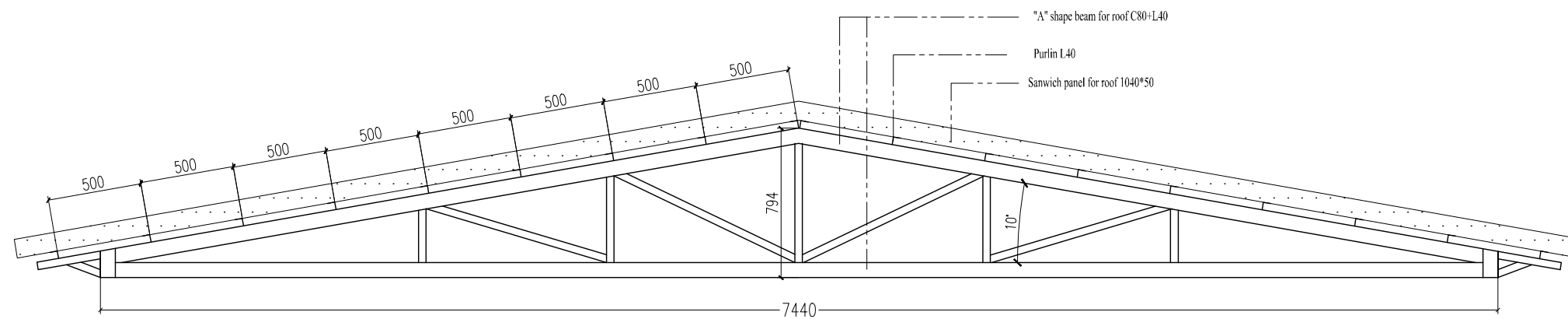
4 LEFT ELEVATION
Scale: 1:50



CLIENT/PROJECT OWNER : REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABILITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
	Construction of MDG'S Houses	Elevation		Technical Team ADN				
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub-District , Timor Leste	1 : 50	04	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



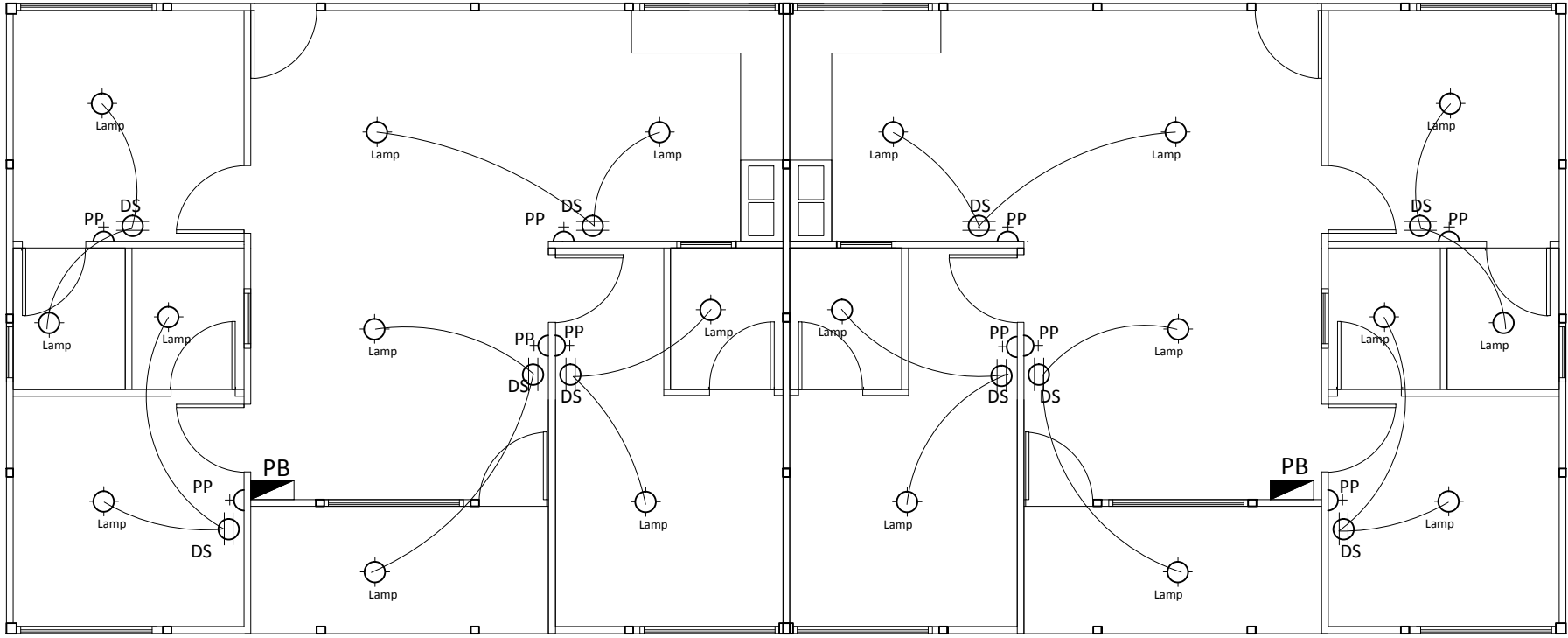
SECTION A-A
Scale : 1'30



DETAIL TRUSS
Scale : 1'20

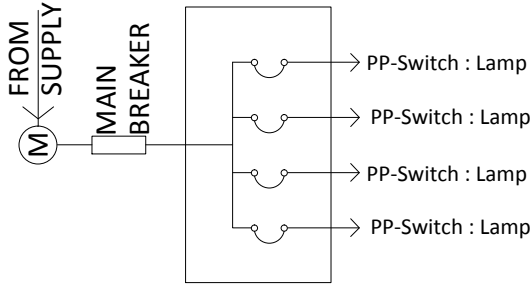


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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Section A-A & Detail Roofing	Technical Team ADN	Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Checked By :	Approve By :	
	Sub-District , Timor Leste	1 : 30	05	Arch. Sheila Lobo da Silva	Eng. Hermenegildo Guterres Arch. Rosa Amaral Vong	



Legend:

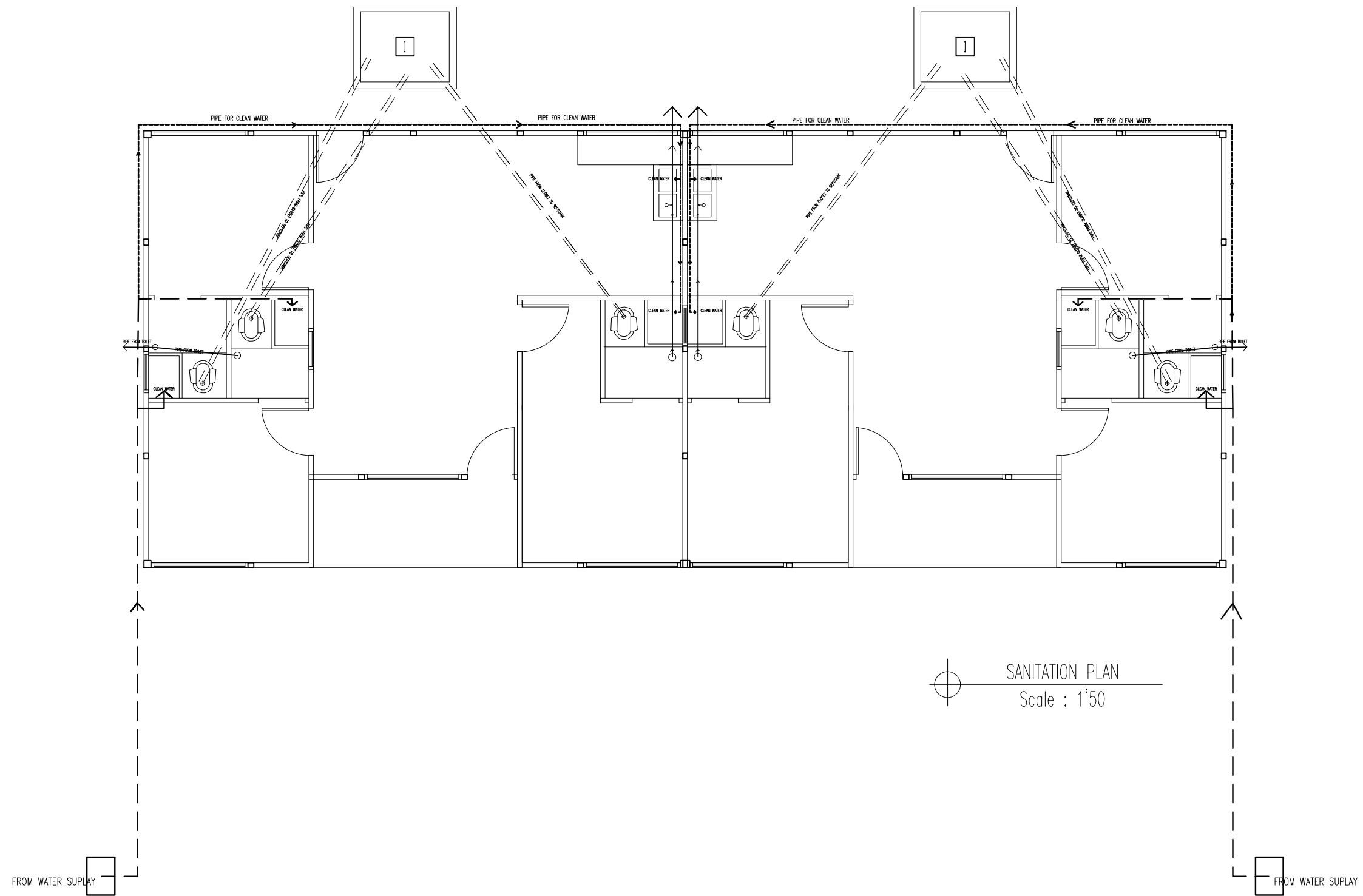
- L : Lamp 20.watt
- SS : Single Switch
- DS : Double Switch
- PB : Panel Board
- PP : Power Point
- M : Kilowatt Meter



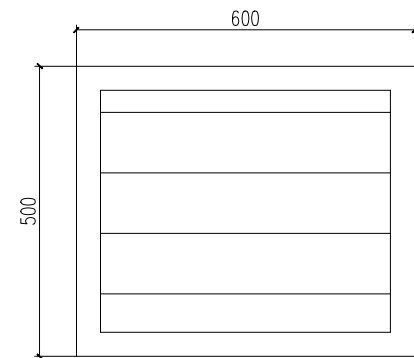
ELECTRICAL PLAN
Scale : 1'50



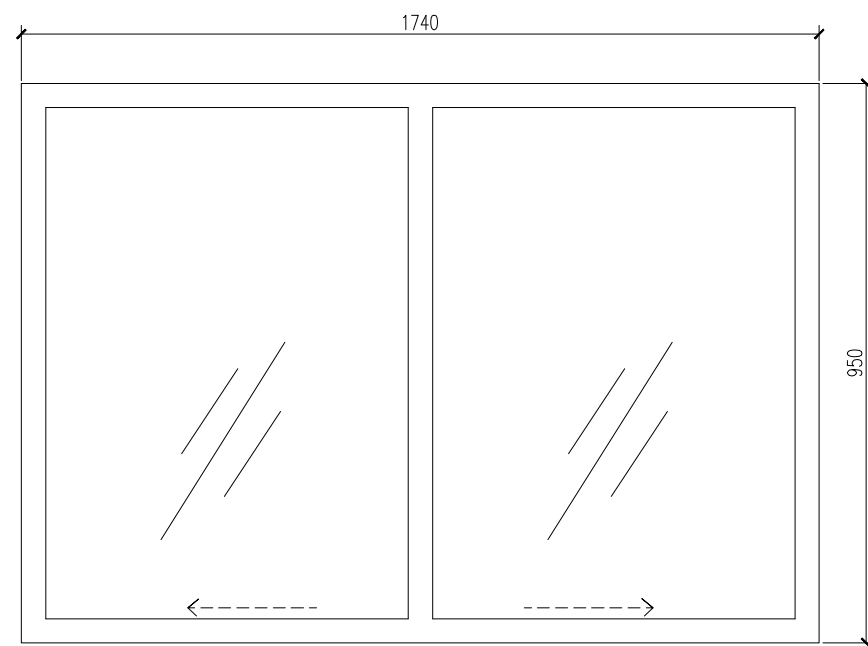
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	Construction of MDG'S Houses	Electrical Plan		Technical Team ADN				
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub-District , Timor Leste	1 : 30	06	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



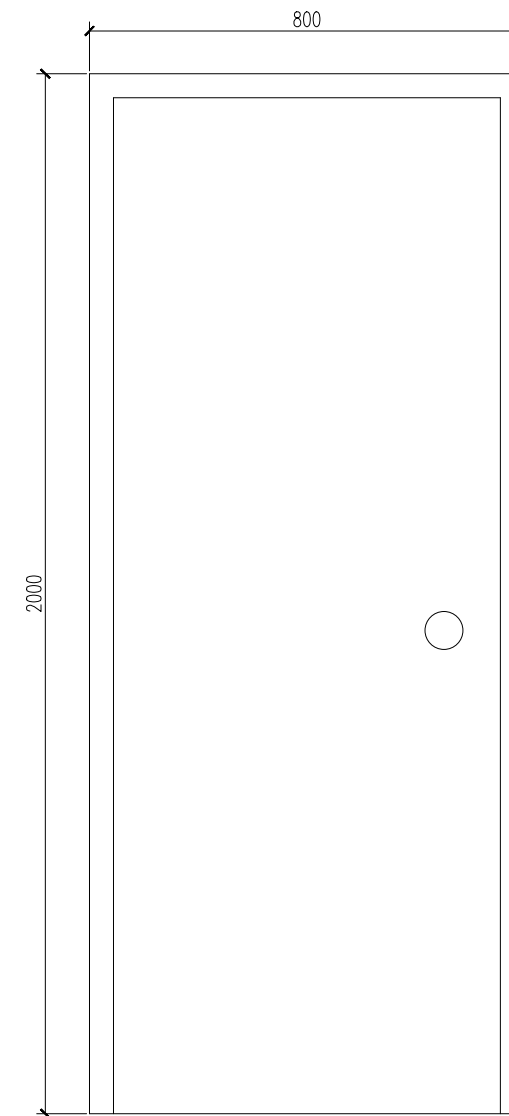
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REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Sanitation Plan		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub-District , Timor Leste	1 : 50	07	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



⊕ Ventilation (3x)
Scale : 1'10



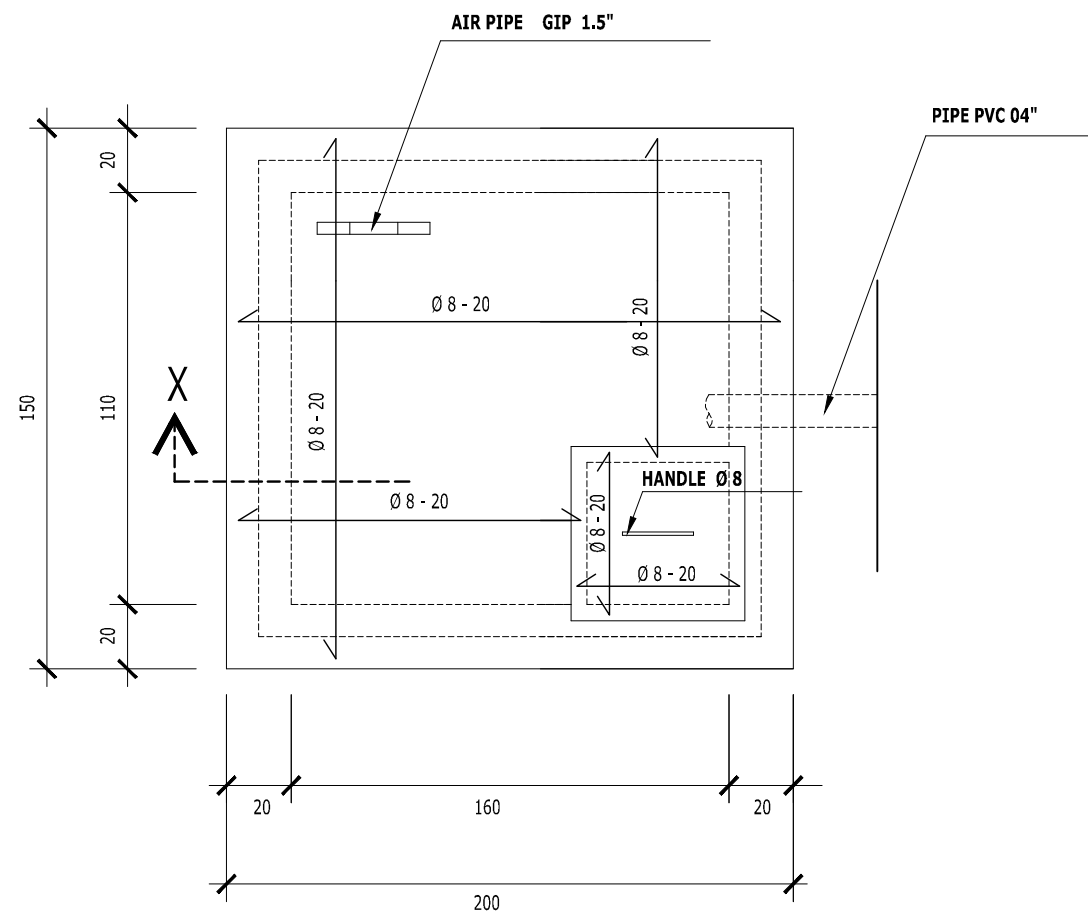
⊕ Pvc Frame sliding windows & glasses (5x)
Scale : 1'10



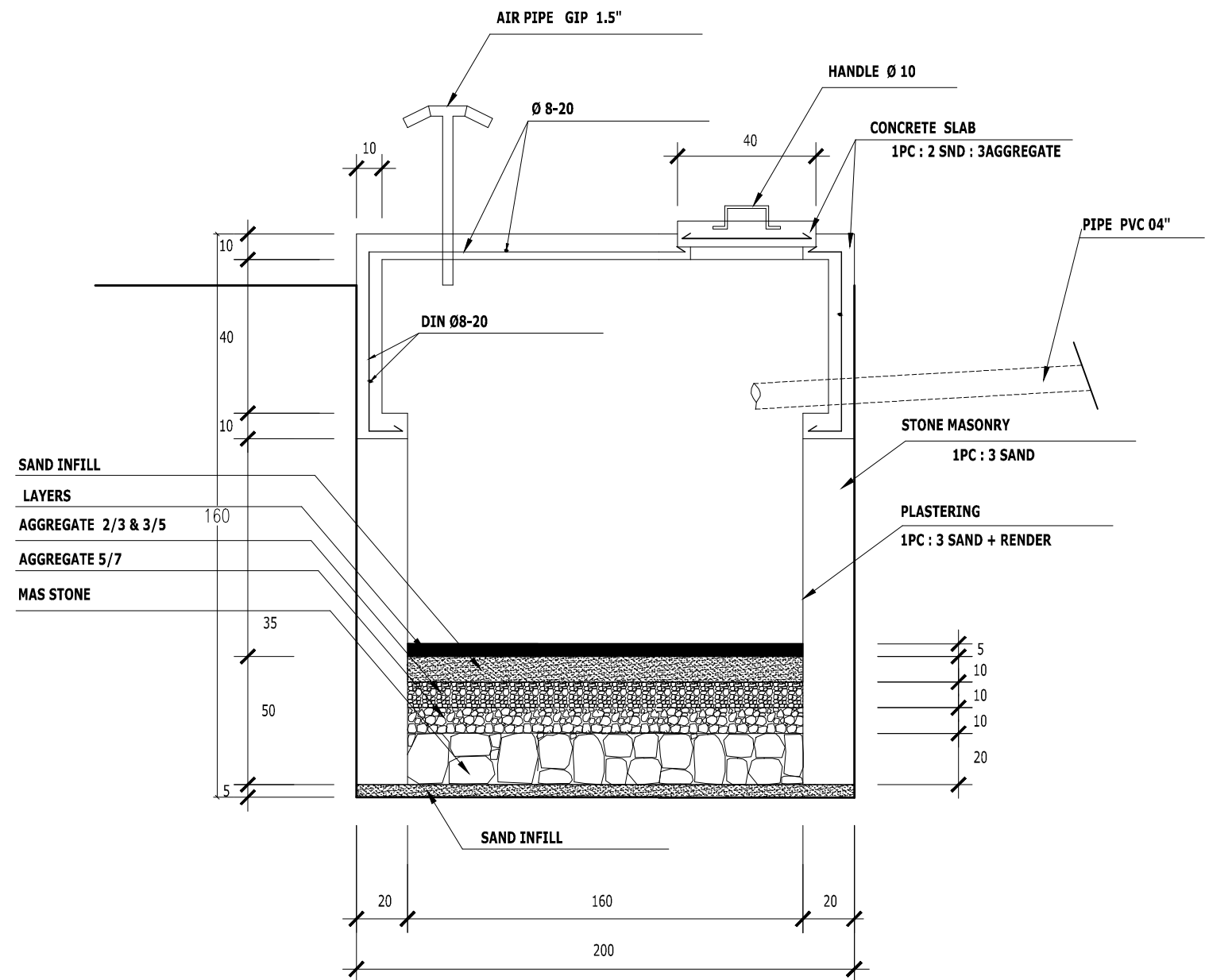
⊕ Panel Door Aluminium D2(3x)
Scale : 1'10



CLIENT/PROJECT OWNER :		PROJECT TITLE :		DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABILITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :	
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO		Construction of MDG'S Houses		Door & Windows		Technical Team ADN					
		LOCATION :		SCALE :	DRAWING NO :	Drawing & Checked by :		Date :			
		Sub-District , Timor Leste		1 : 10	08	Arch. Sheila Lobo da Silva			Eng. Hermenegildo Guterres		Arch. Rosa Amaral Vong
									Chief of Public Building		Director Of DNEH-PU
								Checked By :		Approve By :	



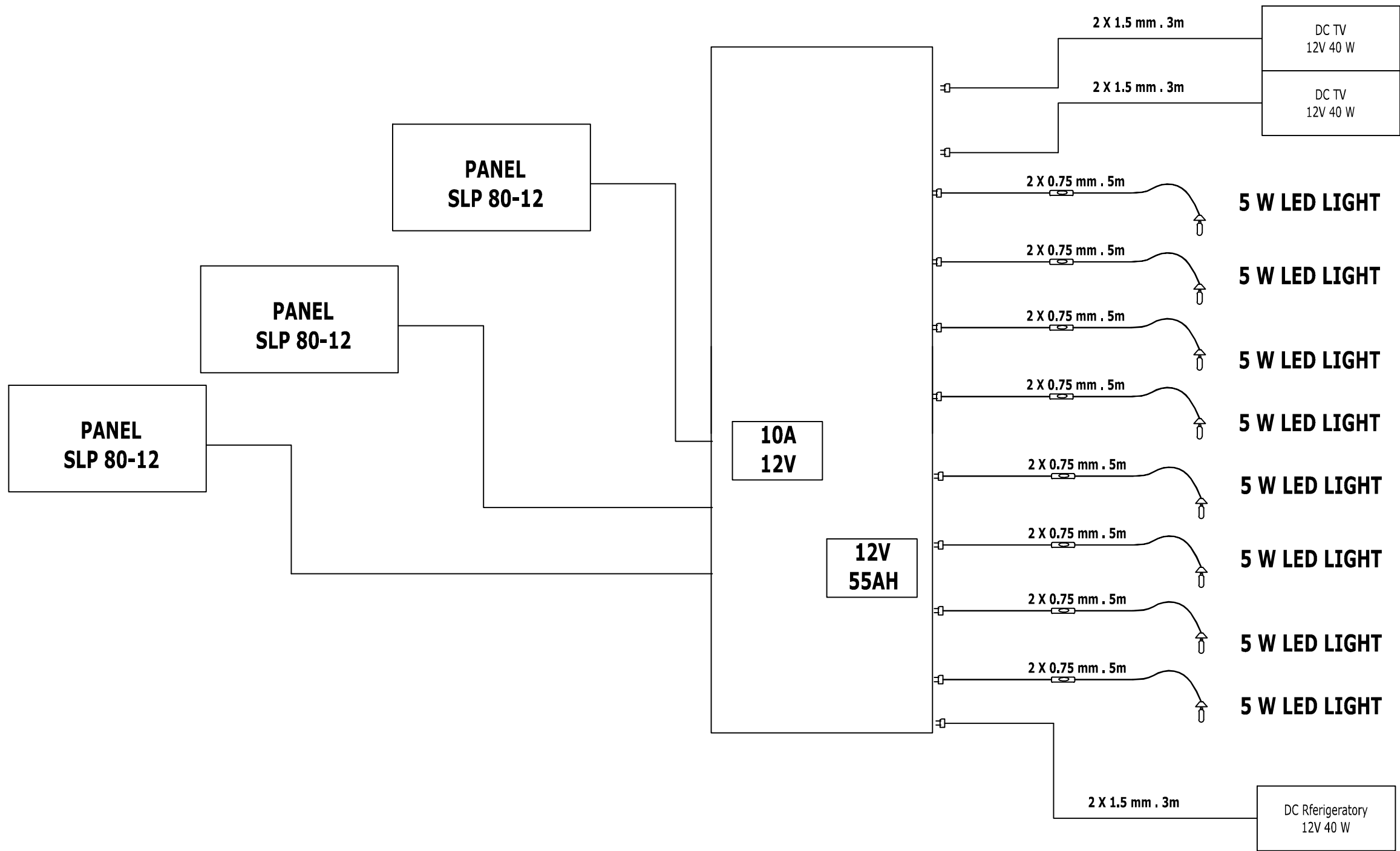
SEPTICTANK PLAN
SCALE 1 : 30



SECTION A-A
SCALE 1 : 30



CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG'S Houses	Septitank Plan		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	District , Timor Leste	1 : 30	09	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	



CLIENT/PROJECT OWNER :	PROJECT TITLE :	DRAWING TITLE :		PREPARED BY :		MINISTERIO INFRA-ESTRUTURAS SECRETARIADO DO ESTADO DAS OBRAS-PUBLICAS DIRECÇÃO NACIONAL DE EDIFICAÇÃO E HABILITAÇÃO E PLANEAMENTO URBANO		DRAWING NOTES :
REPÚBLICA DEMOCRÁTICA DE TIMOR LESTE GABINETE DO PRIMEIRO MINISTRO	Construction of MDG’S Houses	system working solar panel for house type 140 (2x)		Technical Team ADN				
						Chief of Public Building	Director Of DNEH-PU	
	LOCATION :	SCALE :	DRAWING NO :	Drawing & Checked by :	Date :	Checked By :	Approve By :	
	Sub-District , Timor Leste	NTS	10	Arch. Sheila Lobo da Silva		Eng. Hermenegildo Guterres	Arch. Rosa Amaral Vong	

Section 6 - General Conditions of Contract

The General Conditions of Contract, shall be those forming Part I of the “Conditions of Contract for Construction, First Edition 1999” prepared by the *Fédération Internationale des Ingénieurs-Conseils* (FIDIC). These Conditions are subject to the variations and additions set out in Section 7 hereof entitled “Conditions of Particular Application.”

The Contractor is deemed to be acquainted with and shall be in possession of the “Conditions of Contract for Construction, First Edition 1999”. Copy of the FIDIC Conditions of Contract can be obtained from:

FIDIC
P.O. Box 311
CH-1215
Geneva 15 Switzerland
Facsimile: 41 22 799 4900
Telephone: 41 22 799 4901
Web: www.fidic.org

Section 7 – Particular Conditions of Contract

The following Particular Conditions of Contract shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

General Conditions	Particular Conditions
Sub-Clause 1.5 – Priority of Documents	<p>Delete sub-clause 1.5 and substitute:</p> <p>The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found, the priority shall be such as may be accorded by the governing law. The Engineer has authority to issue any instruction which he considers necessary to resolve an ambiguity or discrepancy.</p>
Sub-Clause 3.1 - Engineer's Duties and Authority	<p>All contract price variations regardless of amount and all extensions of the Time for Completion shall require the prior approval of the Employer.</p> <p>Add the following additional sub-clause:</p> <p><u>Management Meetings</u></p> <p>The Engineer or the Contractor's Representative may require the other to attend a management meeting in order to review the arrangements for future work. The Engineer shall record the business of management meetings and supply copies of the record to those attending the meeting and to the Employer. In the record, responsibilities for any actions to be taken shall be in accordance with the Contract.</p>
Sub-Clause 6.8 - Contractor's Superintendence	<p>Add the following additional sub-clauses:</p> <p><u>Measures against Insect and Pest Nuisance</u></p> <p>The Contractor shall at all times take all necessary precautions to protect all staff and labour employed on the Site from insect and pest nuisance, and to reduce their danger to health. The Contractor shall provide suitable prophylactics for the Contractor's personnel and shall comply with all the regulations of the local health authorities, including use of appropriate insecticide</p> <p><u>Festivals and Religious Customs</u></p> <p>The Contractor shall respect the recognised festivals, days of rest, and religious or other customs of Timor Leste.</p>
Additional Sub-Clause – Local Development	<p>Add the following additional sub-clauses:</p> <p><u>Local Development</u></p> <p>The Contractor shall utilize local materials and hire and train local personnel to the maximum extent possible, as approved by</p>

General Conditions	Particular Conditions
	<p>the Employer.</p> <p>Local Development Statement</p> <p>(i) Before commencing the Work, the Contractor shall provide the Employer a local development statement, the contents of which shall be agreed to by the parties, specifying in particular the commitment of the Contractor to hire and train local personnel and to the extent possible to utilize local materials in the implementation of this Contract.</p> <p>(ii) A local development statement approved by the Employer shall form part of this Contract.</p> <p>The Contractor shall observe the commitments made in the local development statement in good faith.</p>

Section 8 - Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

Table of Forms

Letter of Acceptance.....	8-2
Contract Agreement	8-3
Performance Security	8-4
Advance Payment Security	8-5

Letter of Acceptance

[on letterhead paper of the Employer]

..... *date.*

To: *name and address of the Contractor*

Subject: *Notification of Award Contract No.*

This is to notify you that your Bid dated *date* for execution of the *name of the contract and identification number, as given in the Contract Data* for the Accepted Contract Amount of the equivalent of *amount in numbers and words and name of currency*, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 14 days in accordance with the Conditions of Contract, using for that purpose the of the Performance Security Form included in Section 8 (Contract Forms) of the Bidding Document.

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

Attachment: Contract Agreement

Contract Agreement

THIS AGREEMENT made the day of, between *name of the Employer*. (hereinafter “the Employer”), of the one part, and *name of the Contractor*. (hereinafter “the Contractor”), of the other part:

WHEREAS the *Employer* desires that the Works known as *name of the Contract*. should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects therein,

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - the Letter of Acceptance
 - the Letter of Technical Bid
 - the Letter of Price Bid
 - the Addenda Nos *insert addenda numbers if any*.
 - Appendix to Tender
 - the Particular Conditions
 - the General Conditions;
 - the Specification
 - the Drawings; and
 - the completed Schedules,
3. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *Democratic Republic of Timor Leste* on the day, month and year indicated above.

Signed by

Signed by

for and on behalf of the Employer
in the presence of

for and on behalf the Contractor
in the presence of

Witness, Name, Signature, Address, Date

Witness, Name, Signature, Address, Date

Performance Security

.....*Bank's Name, and Address of Issuing Branch or Office*

Beneficiary:*Name and Address of Employer*

Date:

Performance Guarantee No.:

We have been informed that *name of the Contractor*. (hereinafter called "the Contractor") has entered into Contract No. *reference number of the Contract*. dated with you, for the execution of *name of contract and brief description of Works*. (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we *name of the Bank*. hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *name of the currency and amount in figures**. (*amount in words*.) such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the Day of,, **, and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

.....
Seal of Bank and Signature(s)

Note: All italicized text is for guidance on how to prepare this demand guarantee and shall be deleted from the final document.

** The Guarantor shall insert an amount in USD representing the percentage of the Contract Price specified in the Contract.*

*** Insert the date twenty-eight days after the expected completion date. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Employer's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."*

Advance Payment Security

..... *Bank's Name, and Address of Issuing Branch or Office*

Beneficiary: *Name and Address of Employer*

Date:

Advance Payment Guarantee No.:

We have been informed that *name of the Contractor*. (hereinafter called "the Contractor") has entered into Contract No. *reference number of the Contract*. dated with you, for the execution of *name of contract and brief description of Works*. (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, an advance payment in the sum *name of the currency and amount in figures**. (*amount in words*.) is to be made against an advance payment guarantee.

At the request of the Contractor, we *name of the Bank*. hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *name of the currency and amount in figures**. (*amount in words*.) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor used the advance payment for purposes other than the costs of mobilization in respect of the Works.

It is a condition for any claim and payment under this guarantee to be made that the advance payment referred to above must have been received by the Contractor on its account number *Contractor's account number*. at *name and address of the Bank*.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as indicated in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that eighty (80) percent of the Contract Price has been certified for payment, or on the ... day of,**, whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date..

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

.....
Seal of Bank and Signature(s)

Note: All italicized text is for guidance on how to prepare this demand guarantee and shall be deleted from the final document.

* The Guarantor shall insert an amount in USD representing the amount of the advance payment.

** Insert the expected expiration date of the Time for Completion. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Employer's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

Section 9 – Appendix to Tender

This Appendix forms part of the Agreement.

Item	Sub-Clause	Data
Employer's name and address	1.1.2.2 & 1.3	OFFICE OF THE PRIME MINISTER ON BEHALF OF THE GOVERNMENT OF THE DEMOCRATIC REPUBLIC OF TIMOR LESTE Address: Palacio do Governo, Dili, Timor-Leste
Engineer's name and address	1.1.2.4 & 1.3	The Incumbent Head of the National Development Agency (NDA) under the Office of the Prime Minister Address: 3rd Floor, Land & Property Management Bldg., Colmera, Dili, Timor Leste
Time for Completion	1.1.3.3	The Time for Completion reckoned from the Commencement Date is THREE HUNDRED SIXTY FIVE (365) DAYS
Defects Notification Period	1.1.3.7	365 days.
Electronic transmission systems	1.3	Not Applicable
Governing Law	1.4	The law of the Democratic Republic of Timor Leste
Ruling language	1.4	English
Language for communications	1.4	English
Time for access to the Site	2.1	Immediately after Commencement Date
Performance Security	4.2	The performance security will be in the form of an Unconditional Bank Guarantee in the amount of TEN PERCENT (10%) of the Initial Contract Price
Normal working hours	6.5	08:00 to 18:30 hours
Delay damages for the Works	8.7 & 14.15(b)	One-Tenth (1/10) of One Percent of the Value of the Remaining Works or US\$20,000 per day, whichever is higher.
Maximum amount of delay damages	8.7	Ten Percent of the Initial Contract Price.
Provisional Sums	13.5.(b)(ii)	Fifteen percent (15%)
Adjustments for Changes in Cost; Table(s) of Adjustment Data	13.8	Not Applicable
Total advance payment	14.2	TEN PERCENT (10%) of the Accepted Contract Amount
Repayment amortization of advance payment	14.2(b)	Twelve Percent (12%)
Percentage of Retention	14.3	TEN PERCENT (10%)
Limit of Retention Money	14.3	TEN PERCENT (10%) of the Accepted Contract Amount
Plant and Materials	14.5(b)(i)	Not Applicable
	14.5(c)(i)	Not Applicable
Minimum Amount of Interim Payment Certificates	14.6	Five Percent (5%) of the Accepted Contract Amount.

Item	Sub-Clause	Data
Periods for submission of insurance: a. evidence of insurance. b. relevant policies	18.1	28 days
Minimum amount of third party insurance	18.3	US\$ 200,000
Date by which the DAB shall be appointed	20.2	28 days after the Commencement
The DAB shall be comprised of	20.2	One sole Member
List of potential DB sole members	20.2	none
Appointment (if not agreed) to be made by	20.3	International Chamber of Commerce - Singapore