



**INVITATION TO BID  
NO. NE II-A1-2024-010  
Construction of MCO Multi-Purpose  
Building**



### GENERAL OVERVIEW

This tender document is developed for the **Construction of Multi-Purpose Building. It is financed by the 2024 Approved Cash Operating Budget (COB) RFSC/General Fund and made available to Nueva Ecija II Electric Cooperative, Inc.-Area 1 (NEECO II AREA-1).** This ITB consists of:

- the invitation to bid;
- the necessary instruction to bidders;
- the general and special conditions of the policy/contract;
- the bid forms and pro-forma contract;
- the Price Schedules under Section VII are to be completed as applicable by the Bidder.

A checklist for the Bidders is attached to this General Overview as Annex A.

### CHECKLIST OF ELIGIBILITY REQUIREMENTS

#### I. ELIGIBILITY REQUIREMENTS (Class “A” Documents)

##### A. LEGAL DOCUMENTS: FOLDER 1 (ENVELOPE 1)

- 1) DTI Business Name Registration/SEC Registration Certificate, whichever is appropriate under laws of the Philippines
- 2) Valid and Current Mayor’s Permit/Municipal License (Principal Place of Business)
- 3) Taxpayer’s Identification Number
- 4) BIR Value Added Tax Registration
- 5) Statement that the Bidder is not “Blacklisted” or banned from bidding by the government or any of its agencies, offices, corporation or LGUs, and other private corporations or electric cooperatives; including non-inclusion in the Consolidated Blacklisting Report issued by the Government Procurement Policy Board (GPPB), as provided in Section 69.4 of the IRR-A No. 9184
- 6) Compliance with E.O. # 398
  - a. Proof of VAT Payments for the past 6 months
  - b. Tax Clearance from the BIR to Prove Bidder’s Full and Timely Payment of Taxes to the Government
  - c. A Certification under Oath from the Bidders Responsible Officers that the Bidder is Free and Clear of All Liabilities with the Government

##### B. TECHNICAL DOCUMENTS: FOLDER 2 (ENVELOPE 1)

- 1) Statement in Matrix Form all ongoing and completed government and private contracts (service contracts, maintenance contracts, purchase orders, job orders, etc.) within the relevant period, where applicable, including contracts awarded but not yet started, if any. The Statement shall state whether each contract is:
  - a. Ongoing, Completed or Awarded but not yet started; within the relevant period, where applicable. Each Contract should include the following:
    - i. The name of the Contract;
    - ii. Date of the Contract
    - iii. Amount of the Contract and Value of Outstanding Contracts;
    - iv. Date of Delivery
    - v. End-user’s Acceptance, if completed



- b. Similar or not similar in nature and complexity to the contract to be bid. For the procurement of goods, a contract shall be considered “similar” to the contract to be bid if it involves goods or related services of the same nature and complexity as those which are the subject of the public bidding is concerned.
- 2) PCAB License (Philippine Contractor’s Accreditation Board) for Infrastructure Projects

### C. FINANCIAL DOCUMENTS: FOLDER 3 (ENVELOPE 1)

- 1) Complete set of Audited Financial Statements, stamped “received” by the BIR or its duly accredited and authorized institutions, for the immediate preceding year, showing, among others the prospective bidder’s total and current assets and liabilities.

Complete set of Financial Statement includes the following:

1. Balance Sheet
  2. Income Sheet
  3. Statement of Changes in Equity
  4. Cash Flow Statement
  5. Notes to Financial Statement
  6. Statement of Management Responsibility for Financial Statement
- 2) The prospective Bidder’s computation for its Net Financial Contracting Capacity (NFCC) or a commitment from a universal or commercial bank to extend to it a credit line if awarded the contract to be bid, in an amount not lower than that set by the procuring entity, which shall be as follows:

The computation of a prospective bidder’s NFCC must be atleast equal to the ABC to be bid which calculated as follows:

$$NFCC = [(Current\ assets\ minus\ current\ liabilities)(K)]\ minus\ the\ value\ of\ all\ outstanding\ or\ uncompleted\ portions\ of\ the\ projects\ under\ ongoing\ contracts,\ including\ awarded\ contracts\ yet\ to\ be\ started,\ coinciding\ with\ the\ contract\ to\ be\ bid$$

Where:

K= 10 for a contract duration of one year or less, 15 for a contract duration of more than one year up to two years, and 20 for a contract duration of more than 2 years

### CLASS “B” DOCUMENTS: FOLDER 4 (ENVELOPE 1)

- 1) Valid Joint venture Agreement, in case of joint venture. Each Member of the joint venture shall submit the required eligibility documents; and,
- 2) Letter authorizing the BAC or its duly authorized representative/s to verify any or all of the documents submitted for the eligibility check.
- 3) Notarized statement that each of the documents submitted in satisfaction of the eligibility requirements is an authentic and original copy, or a true and faithful reproduction or copy of the original, complete, and that all statements and information provided therein are true and correct.



### D. BIDDER'S CHECKLIST: FOLDER 5 (ENVELOPE 1)

- 1) Eligibility and Source Statement for Bidder and Manufacturer
- 2) Power of Attorney
- 3) Letter of Authorization from the manufacturer to the Bidder/Trader to offer their material or equipment
- 4) Letter of Authorization from the Bidder to the Local Agent
- 5) Manufacturer and catalogue number of each offered item indicated
- 6) All additional data to be furnished by the bidder as per technical specifications
- 7) All deviations from the Specifications listed separately in the Form Deviation
- 8) All substitutions, if any, offered as an alternative Bid, clearly marked as such

## II. BID PROPOSALS (ENVELOPE 2)

### TECHNICAL PROPOSAL (FOLDER 1)

- 1) Bid Security as to form, amount and validity period
- 2) Authority of the Signatory
- 3) Confirming Statement of Delivery Schedule
- 4) Confirming Statement on Warranty Being Offered
- 5) Details of Technical Specification

### FINANCIAL PROPOSAL (FOLDER 2)

- 1) Bid Prices in the prescribed bid form

- ☐ All pages and all changes initialled.
- ☐ Original and a Copy of all documents.



### ANNEX A: BIDDER'S CHECKLIST

- ☐ Authorized signature on the Bid (Form 1).
- ☐ All pages and all changes initialled.
- ☐ Bid Security.
- ☐ Bid Summary.
- ☐ Bid Schedules completed.
- ☐ Bidder's Information.
- ☐ Eligibility and Source Statement for Bidder and Manufacturer.
- ☐ Bidders Qualification, Sales History and Financial Data.
- ☐ Power of Attorney.
- ☐ Letter of Authorization from the manufacturer to the Bidder/Trader to offer their material or equipment.
- ☐ Letter of Authorization from the Bidder to the Local Agent.
- ☐ Delivery Schedule duly signed.
- ☐ Technical Data Sheets properly filled in for each offered item and duly signed.
- ☐ Manufacturer and catalogue number of each offered item indicated.
- ☐ All additional data to be furnished by the bidder as per technical specifications.
- ☐ All deviations from the Specifications listed separately in the Form Deviations.
- ☐ All substitutions, if any, offered as an alternative Bid, clearly marked as such.
- ☐ Original and two copies of all documents.

In the absence of any of the above requirements, the bidder's offer is considered to be non-responsive with major deviation from the bidding documents.



## SECTION I. INVITATION TO BID

### TABLE OF FORMS

FORM NUMBER	TOPIC	PAGE NUMBER
1	Invitation to Bid	I - 1



# NEECO II - AREA 1

## NUEVA ECJA II ELECTRIC COOPERATIVE, INC. - AREA 1

Calipahan, Talavera, Nueva Ecija

www.neeco2area1.com

neeco2\_area1@yahoo.com.ph

(044) 411-1007 loc. 117

### SECTION I. INVITATION TO BID

## NEECO II - AREA 1

### NUEVA ECJA II ELECTRIC COOPERATIVE, INC. - AREA 1

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### NEECO II-AREA 1'S INVITATION TO BID

The Bids and Awards Committee (BAC) hereby invites eligible bidders to participate to the foregoing procurement activities based on Board Resolution Nos. 09-03-24, 09-04-24 and 09-14-24, Series of 2024 and approved Annual Procurement Plan.

ITB NO.	PROCUREMENT ACTIVITY	ABC (VAT Inclusive)	SOURCE OF FUND	NON-REFUNDABLE BID DOCS	NON-REFUNDABLE ACCREDITATION FEE (1 PAYMENT is valid for all biddings, for a period of 1 year)	START OF POSTING OF BID DOCS IN OFFICIAL WEBSITE:	VIRTUAL (VIA ZOOM) PRE-BID CONFERENCE	DEADLINE FOR ONLINE ACCREDITATION/ SUBMISSION OF ELIGIBILITY REQUIREMENTS	DEADLINE FOR BID SUBMISSION AND BID OPENING	COMPLETION/ DELIVERY SCHEDULE
NE-II-A1-2024-06	Lot for Lupao District Office 500 sqm. Lot located at Lupao, Nueva Ecija, accessible to all types of Vehicles	1,000,000.00	RFSC/ GENERAL FUND	1,000	WAIVED	SEPTEMBER 25, 2024	OCTOBER 3, 2024 (11AM to 12NN)	WAIVED	OCTOBER 15, 2024 9:00AM AT TEOFILO VILLANUEVA HALL	November to December 2024
NE-II-A1-2024-07	Supply and Installation of Automatic Voltage Regulator and Controller	Php11,600,000.00	RFSC/ GENERAL FUND	25,000	5,000 PESOS	SEPTEMBER 25, 2024	OCTOBER 3, 2024 (9:30AM to 10:30AM)	OCTOBER 11, 2024	OCTOBER 15, 2024 11:00AM AT TEOFILO VILLANUEVA HALL	First Half of 2025
NE-II-A1-2024-08	One (1) unit Manlift	Php 15,000,000.00	RFSC/ GENERAL FUND	25,000		SEPTEMBER 25, 2024	OCTOBER 3, 2024 (1:30PM to 2:30PM)	OCTOBER 11, 2024	OCTOBER 15, 2024 2:00PM AT TEOFILO VILLANUEVA HALL	3 <sup>rd</sup> Quarter of 2025
NE-II-A1-2024-09	Four (4) units Service Utility	Php4,800,000.00	RFSC/ GENERAL FUND	5,000		SEPTEMBER 25, 2024	OCTOBER 3, 2024 (1:30PM to 2:30PM)	OCTOBER 11, 2024	OCTOBER 15, 2024 2:00PM AT TEOFILO VILLANUEVA HALL	November to December 2024
NE-II-A1-2024-010	Construction of MCO Multi-Purpose Building	Php19,000,000.00	RFSC/ GENERAL FUND	25,000	5,000 PESOS	SEPTEMBER 25, 2024	OCTOBER 2, 2024 (11AM to 12NN)	OCTOBER 11, 2024	OCTOBER 14, 2024 11:00AM AT TEOFILO VILLANUEVA HALL	First Half of 2025
NE-II-A1-2024-011	Rehab of all component of Hydraulic System of Isuzu Boomtruck Plate No. 161	Php3,000,000.00	RFSC/ GENERAL FUND	5,000		SEPTEMBER 25, 2024	OCTOBER 2, 2024 (1:30PM to 2:30PM)	OCTOBER 11, 2024	OCTOBER 14, 2024 9:00AM AT TEOFILO VILLANUEVA HALL	November to December 2024
NE-II-A1-2024-012	Construction of Distribution Lines for the Power Supply for Cold Storage at Brgy. Bantug, Science City of Munoz, Nueva Ecija	Materials Php 2,941,796.35 Labor Php 882,538.91	Provincial Government	5,000 1,000		SEPTEMBER 25, 2024	OCTOBER 2, 2024 (9:30AM to 10:30AM)	OCTOBER 11, 2024	OCTOBER 14, 2024 2:00PM AT TEOFILO VILLANUEVA HALL	Last of November to First week of December 2024

Participating bidders must be accredited by this Cooperative and passed the Eligibility Checking as provided in the Bidding Documents posted in the Coop's Official Website. A Php5,000.00 shall be paid as Accreditation fee which shall be valid for a period of one (1) year. Link for accreditation is available upon request to this email: [bac\\_neeco2area1@yahoo.com.ph](mailto:bac_neeco2area1@yahoo.com.ph) Interested bidders shall also submit Letter of Intent (LOI) and pay bid docs fee for the lot they will be participating. Only bidders who paid bid docs fee and submitted LOI shall receive the link for the pre-bid conference. Bidding document is available in electronic copy and posted in Coop's official website: [www.neeco2area1.com](http://www.neeco2area1.com) to be downloaded by the bidders.

Sealed proposals shall be submitted in two (2) sealed envelopes clearly marking as "Original Bid" and "Copy of Bid" with the name of the project to be bid and the name of the bidder in capital letter addressed and/or submitted to the BAC Chairman during the Bid Opening at which time and place will be opened and read in the presence of Bidders or their representative. Bid proposals must include terms of payment, bid validity and delivery/construction schedule. The submitted proposals of each bidder shall be examined and checked to ascertain they are present using a non-discretionary "pass/fail" criterion. Bids that fail to include any requirement or are incomplete or insufficient shall be considered "failed".

Further, a two percent (2%) of ABC bidder's bond preferably in the form of Manager's check is mandatory, which is to be returned immediately after the bid awarding.

NEECO II – Area 1 reserves the right to reject any or all bids, to waive any formality or technicality therein, to accept the bid that is deemed most advantageous and to annul the bidding process without incurring any liability to any bidder or party. Finally, NEECO II – Area 1 assumes no obligation to compensate any bidder or party for any loss or expense incurred in the preparation of the bid or participation in the bidding process.

For further inquiries, you may call (044)-411-1007 local 110 and/or email at [bac\\_neeco2area1@yahoo.com.ph](mailto:bac_neeco2area1@yahoo.com.ph) and look for Ms. Set Pauline Feliciano-Sarmiento.

(sgd) Mr. Lorenzo Valino Jr.  
BAC Chairman

(sgd) Engr. Nelson M. Dela Cruz  
General Manager



### SECTION II. INSTRUCTION TO BIDDERS

#### TABLE OF CLAUSES

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### 1. SOURCE OF FUNDS

1.1 The Nueva Ecija II Electric Cooperative, Inc.- Area 1 (NEECO II-Area 1) funded through its Cash Operating Budget, the **Construction of Multi-Purpose Building**, which is made available through Board Resolution No. 04-12-24, Series of 2024.

- 1.2 NEECO II-Area 1 requires that bidders and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy;
- will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
  - will recognize a contractor as ineligible, for a period determined by the NEECO II Area 1, to be awarded a contract if it at any time determines that the contractor has engaged in corrupt or fraudulent practices in competing for, or in executing, another contract.

### 2. SCOPE OF BID

- 2.1 The Nueva Ecija II Electric Cooperative, Inc.- Area 1 (hereinafter referred to as "**the Procuring Entity**") wishes to receive Bids for the supply and delivery of goods, labor and materials, services and equipment hereof (hereinafter referred to as "**Goods**").
- 2.2 All Bids are to be completed and returned to the Procuring Entity in accordance with these Instructions to Bidders.

### 3. ELIGIBLE BIDDERS

- 3.1 The Invitation to Bid is open to all accredited suppliers/contractors from eligible bidders and from eligible source countries meeting both of the following requirements:
- a bidder (including all members of a joint venture) shall be from an eligible source of country; and
  - a bidder (including all members of a joint venture) shall not be one of the followings:
    - a firm or an organization which has been engaged by the Procuring Entity to provide consulting services for the preparation related to procurement for or implementation of this project;
    - any associates/affiliates (inclusive of parent firms) of a firm or an organization mentioned in sub-paragraph (i) above;
    - a firm or an organization who lends, or temporarily seconds, its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project, if the personnel would be involved in any capacity on the same project.

### 4. ELIGIBLE GOODS

- 4.1 Any contract under which Goods are procured from countries other than the eligible source countries as required for the implementation of the project will be eligible if the combined costs of such Goods are less than fifty (50) percent of the price of the said contract.
- 4.2 At the Procuring Entity's request, bidders may be required to provide evidence documents of the origin of the goods.

### 5. QUALIFICATION OF BIDDER

- 5.1 Qualification of the Bidder:  
To be qualified for award of Contract, bidders shall:
- submit a written power of attorney authorizing the signatory of the bid to commit the bidder; and
  - submit documentary evidence establishing that bidder has adequate experience, financial capacity, and technical capability to undertake the Contract.
- 5.2 Bids submitted by a joint venture of two or more firms as partners shall comply with the following requirements.
- the bid, and in case of a successful bid, the form of Agreement, shall be signed so as to be legally binding on all partners;
  - one of the partners shall be authorized to be in charge; and this authorization shall evidence by submitting a power of attorney signed by legally authorized signatories of all the partners;
  - the partner in charge shall be authorized to incur liabilities, receive payments and



- d. receive instructions For and In Behalf of any or all partners of the joint venture;
  - d. all partners of the joint venture shall be jointly and severally liable for the execution of the contract in accordance with the contract terms, and a relevant statement to this effect shall be included in the authorization mentioned under (b) above as well as in the Bid Form and the Form of Agreement (in case of a successful bid); and
  - e. a copy of the agreement entered into by the joint venture partners shall be submitted with the bid.
- 6. ONE BID PER BIDDER**
  - 6.1 Each bidder shall submit only one bid either by itself, or as partner in a joint venture.
- 7. COST OF BIDDING**
  - 7.1 The bidder shall bear all costs associated with the preparation and delivery of its Bid, and the Procuring Entity will in no case be responsible or liable for those costs.
- 8. ASSURANCE**
  - 8.1 The successful bidder will be required to give satisfactory assurance of its ability and intention to deliver the Goods, pursuant to the Contract, within the time set forth therein.
- 9. CONTENTS OF BIDDING DOCUMENTS**
  - 9.1 The bidding documents are those stated below, and should be read in conjunction with any Addenda issued in accordance with Clause 11.
    - Section I: Invitation to Bid
    - Section II: Instructions to Bidders;
    - Section III: General Conditions of Contract;
    - Section IV: Special Conditions of Contract;
    - Section V: General Technical Conditions;
    - Section VI: Sample Forms; and
      - a. Bid Form and Price Schedule
      - b. Bid Security Form
      - c. Contract Form
      - d. Performance Security Form
    - Section VII: Technical Specifications
  - 9.2 The bidder is expected to examine the Bidding Documents, including all instructions, forms, terms and specifications. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents will result in the rejection of the Bid.
- 10. CLARIFICATION OF BIDDING DOCUMENTS**
  - 10.1 Prospective Bidders requiring any further information or clarification of the Bidding Documents may notify the Procuring Entity in writing or by fax at the Procuring Entity 's mailing address indicated in the Invitation for Bids. The Procuring Entity will respond in writing to any request for information or clarification of the Bidding Documents, which it receives not later than three (3) days prior to the deadline for submission of Bids prescribed by the Procuring Entity. The Procuring Entity 's response will be sent in writing or by fax to all prospective bidders who have received the bidding documents.
- 11. AMENDMENT OF BIDDING DOCUMENTS**
  - 11.1 At any time prior to the deadline for submission of Bids, the Procuring Entity may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by issuing an addendum.
  - 11.2 The addendum shall be a part of the Bidding Documents, pursuant to Clause 9.1 and shall be communicated in writing or by fax to all prospective bidders who have received the Bidding Documents, and will be binding on them.
  - 11.3 In order to afford prospective Bidders reasonable time in which to take the addendum into account in preparing their bids, the Procuring Entity may, at its discretion, extend the deadline for the submission of Bids in accordance with Clause 24.



### 12. LANGUAGE OF BID

- 12.1 The Bid prepared by the bidder and all correspondence and documents relating to the Bid exchanged between the bidder and the Procuring Entity, shall be written in English Language.

### 13. DOCUMENTS COMPRISING THE BIDS

- 13.1 The Bid prepared by the bidder shall comprise the following components:
- The bidder shall complete an original and a copy of the Bid Form and the appropriate Price Schedules furnished in the Bidding Documents, in accordance with Clauses 14 and 15;
  - documentary evidence establishing, in accordance with Clause 16, that the bidder is eligible to bid and that the Goods to be supplied by the bidder are eligible Goods;
  - documentary evidence establishing in accordance with Clause 17, that the bidder is qualified to perform the Contract if its Bids is accepted;
  - documentary evidence establishing, in accordance with Clause 18, that the Goods to be supplied by the bidder conform to the Bidding Documents;
  - bid security furnished in accordance with Clause 19; and
  - power of attorney.

### 14. BID PRICES

- 14.1 The bidder shall complete the appropriate Price Schedules included herein, stating the unit prices, total price per item, the total amount and the expected countries of origin of Goods to be supplied under the Contract.
- 14.2 (Alternative 1:) All Goods are grouped in Bid Packages. See list of Bid packages in Section VI, Specifications. Bid Packages shall not be divided into sub-packages for the purpose of bidding. Bidders are required to bid for the whole package only, otherwise the bid proposal will be considered non-responsive.

-OR-

(Alternative 2 :) The Goods are grouped in a single bid package and the bid package shall not be divided into sub-packages for the purpose of bidding. Bidders are required to bid for the whole package only, otherwise the bid proposal will be considered non-responsive.

- 14.3 Prices quoted in the Price Schedules should be entered separately in the following manner.
- For Goods to be offered from within the Procuring Entity's country:
    - the price of the Goods, quoted ex-factory, ex-warehouse or of-the shelf, as applicable, including all customs duties and sales and other taxes already paid or payable.
    - the price of inland transportation, insurance and other local incidental for the delivery of the Goods to their final destination.
  - For Goods to be offered from outside the Procuring Entity's country:
    - the price of the Goods, quoted CIF port of entry in the Procuring Entity's country;
    - the price of inland transportation, insurance and other local costs incidental to delivery of the Goods from the port of entry to their final destination
    - the CIF price or, when the freight and insurance are itemized separately, the FOB price shall be indicated separately, the FOB price shall be indicated separately from any applicable import duties and taxes.
    - if the Goods, or portion of the Goods, are exempt from taxes of duties, this should be indicated below by the bidder
- 14.4 Prices quoted by the bidder shall remain fixed and valid until completion of the Contract performance and will not be subject to variation on any account except as provided for in Clause 3.2 and 15.1 of the General Conditions of Contract, or if applicable, adjustment authorized in accordance with the price adjustment provisions specified in Clause 11 of the Special Conditions of Contract.

### 15. CURRENCIES OF BID AND PAYMENT

- 15.1 The unit rates and the prices shall be quoted by the bidder separately in;
- US Dollar for those inputs to the Works which the bidder expects to supply from



- outside the Procuring Entity 's country (referred to as "the foreign currency requirements"); and
- b. Philippine Peso for those inputs to the Works which the bidder expects to supply from within the Philippines.
- 15.2 Payment of the contract price shall be made in the currency or currencies in which the bid price is expressed in the bid of the successful bidder.
- 15.3 The rates of exchange to be used by the bidder for currency conversion during bid preparation shall be the selling rates for similar transactions prevailing on the twenty eight (28) days prior to the date of bid opening, as published by Bangko Sentral ng Pilipinas.
- 15.4 All progress payment shall be subject to ten percent (10%) deduction for retention money.
- 16. DOCUMENTS ESTABLISHING ELIGIBILITY OF THE BIDDER AND THE GOODS**
- 16.1 The bidder shall furnish, as part of its Bid, certification establishing both the bidder's eligibility to bid and that the origin of the Goods is an eligible source country, pursuant to Clause 3 and 4.
- 17. DOCUMENTS ESTABLISHING BIDDER'S QUALIFICATIONS TO PERFORM THE CONTRACT**
- 17.1 The documentary evidence of the bidder's qualifications to perform the Contract, if its Bid is accepted, shall establish to the Procuring Entity's satisfaction prior to award of Contract:
- (a) that, in the case of a bidder offering to supply Goods under the Contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized by the Goods' manufacturer or producer to supply the Goods to or in the Procuring Entity 's country;
- (b) that the bidder has the financial, technical and production capability necessary to perform the Contract;
- (c) that, in the case of a bidder not doing business within the Procuring Entity 's country, the bidder is, or will be (if the Contract is awarded to it), represented by an agent in that country equipped and able to carry out the maintenance, repair and spare parts stocking obligations prescribed by the Contract.
- 18. DOCUMENTS ESTABLISHING THE GOODS' CONFORMITY TO THE BIDDING DOCUMENTS**
- 18.1 The documentary evidence of the Good's conformity to the Bidding Documents maybe in the form of literature drawing and data, and shall furnish:
- a. a detailed description of the Goods' essential technical and performance characteristics;
- b. a list, giving full particulars, including available sources and current prices, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods for a period of two (2) years; and
- c. a clause-by-clause commentary on the specifications, demonstrating the Goods' responsiveness to those Specifications or a statement of deviations and exceptions of the provisions of the Specifications.
- 18.2 For purpose of the commentary to be furnished pursuant to sub-clause (c) above, the bidder shall note that standards for workmanship, material, and equipment, and references to brand names or catalogue numbers, designated by the Procuring Entity in the Specifications, are intended to be descriptive only and not restrictive. Equipment or materials meeting the internationally accepted standards which ensure quality to or higher than the standards specified will also be accepted. The bidder may substitute other acceptable standards, brand names and/or catalogue numbers in its Bid, provided that it demonstrates to the Procuring Entity 's satisfaction that the substitution are equivalent or superior to those designated in the Specifications.
- Brand names shall be specified only when specific spare parts are required or standardization is necessary.
- 18.2 The Bidders shall furnish evidence that the Goods offered are of acceptable quality and standards including but not limited to the number of years in production industry, and the number of units of similar capacity that have been produced and sold in which operations satisfied the end users for years.



### 19. BID SECURITY

- 19.1 The bidder shall furnish, as part of its bid, a bid security equivalent to **two percent (2%) of the Total ABC** or an equivalent amount in freely convertible currency.
- 19.2 The bid security is **preferably in the form of a Manager's Check**.
- 19.3 **Any bid not accompanied by an acceptable bid security shall be rejected outright by the Procuring Entity and will be declared as non-responsive.**
- 19.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, after the bid awarding and winning bidders' posting of performance security bond and expiration of the period of bid validity.
- 19.5 The bid security of the successful bidder will be returned when the bidder has signed the Agreement and furnished the required performance security.
- 19.6 The bid security maybe forfeited;
  - a. if the bidder withdraws its bid during the period of bid validity; or
  - b. if the bidder does not accept the correction of its bid price, pursuant to Sub-Clause 29.2; or
  - c. in the case of a successful bidder, if it fails within the specified time limit to:
    - (i) sign the Agreement, or
    - (ii) furnish the required performance security.

### 20. PERIOD OF VALIDITY OF BIDS

- 20.1 Bids shall remain valid for ninety (90) days after the date of bid closing prescribed by the Procuring Entity, pursuant to Clause 24.
- 20.2 Notwithstanding Clause 20.1 above, the Procuring Entity may solicit bidder's consent to an extension of the period of bid validity. The request and the responses thereto shall be made in writing or by fax. If the bidders agree to the extension request, the validity of the bid security provided under Clause 19 shall also be suitably extended. A bidder may refuse the request without forfeiting its bid security. A bidder granting the request will not be required or permitted to modify its Bid.

### 21. ALTERNATIVE BIDS

- 21.1 Bidders shall submit Bids, which comply with the Bidding Documents. Alternative Bids will not be considered. The attention of bidders is drawn to the provisions of Clause 30.4 regarding the rejection of Bids, which are not substantially responsive to the requirement of the Bidding Documents.

### 22. FORMAT AND SIGNING OF BIDS

- 22.1 The original Bid Form and accompanying documents (as specified in Clause 13), clearly marked "Original Bid", plus three (3) copies must be received by the Procuring Entity at the date, time, and place specified pursuant to Clause 23 and 24. In the event of any discrepancy between the original and the copies, the original shall govern.
- 22.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to sign on behalf of the bidder. Written power-of-attorney accompanying the Bid shall indicate such authorization. All pages of the Bid, except for un-amended printed literature, shall be initialled by the person or persons signing the Bid. The name and position held by each person signing must be typed or printed below the signature.
- 22.3 The Bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder, in which case such corrections shall be initialled by the person or persons signing the Bid.

### 23. SEALING AND MARKING OF BIDS

- 23.1 The bidder shall seal the original and each copy of the Bid in an inner and an outer envelope duly marking the envelopes as "original" and "copy".
- 23.2 The inner and outer envelopes shall:
  - a. be addressed to the Procuring Entity at the following address



**Mr. Lorenzo Valino Jr.**

BAC Chairperson

Nueva Ecija II Electric Cooperative, Inc.- Area 1

Calipahan, Talavera, Nueva Ecija; and

b.bear the words **"INVITATION TO BID No. NE II-A1-2024-010 Construction of Multi-Purpose Building"** and the words **"DO NOT OPEN BEFORE 11:00 am of October 14, 2024"**.

23.3 In addition to the information required in sub-clauses (a) and (b) above, the inner envelope shall indicate the name and address of the bidder to enable the Bid to be returned unopened in case it is declared "Late" pursuant to Clause 25.

#### **24. DEADLINE FOR SUBMISSIONS OF BIDS**

24.1 The original Bid, together with the required copies, must be received by the Procuring Entity at the address specified in Clause 23.2 not later than **11:00 am of October 14, 2024**.

24.2 The Procuring Entity may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with Clause 11, in which case all rights and obligations of the Procuring Entity and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

#### **25. LATE BIDS**

25.1 Any Bid received by the Procuring Entity after the deadline for submission of Bids prescribed by the Procuring Entity, pursuant to Clause 24 will be declared "Late" and rejected and returned unopened to the bidder.

#### **26. MODIFICATION AND WITHDRAWAL OF BIDS**

26.1 The bidder may modify or withdraw its Bid after the Bid's submission; provided that written notice of the modification or withdrawal is received by the Procuring Entity prior to the deadline prescribed for submission of Bids.

26.2 The bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with provisions of Clause 23, with the outer and inner envelopes additionally marked "MODIFICATION" or "WITHDRAWAL", as appropriate. A withdrawal notice may also be sent by email but must be followed by a signed confirmation copy.

26.3 No Bid may be modified subsequent to the deadline for submission of Bids.

26.4 No Bid may be withdrawn 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 Bid Form.

#### **27. OPENING OF BIDS BY PROCURING ENTITY**

27.1 **The Procuring Entity will open the Bids, the technical proposal first, in the presence of bidders' representatives on 11:00 am of October 14, 2024. The bidders' representatives who are present shall sign their complete name and company address evidencing their attendance. The technical proposal will then be evaluated as per Clause 30.**

27.2 Bidders found eligible technically will be informed subsequently and asked to be present during the opening of their financial proposals.

27.3 The bidders' names, bid prices, all discounts offered, modifications and bid withdrawals, and the presence or absence of the requisite bid security, and such other details as the Procuring Entity, at its discretion, may consider appropriate will be announced and recorded at the opening. Any bid price or discount, which is not read out and recorded at bid opening, will not be taken into account in bid evaluation. The bidder's representatives will be required to sign the record.

27.4 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in the forfeiture of the bid security pursuant to Clause 17.

#### **28. PROCESS TO BE CONFIDENTIAL**

28.1 Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process. Any efforts by a bidder to influence the



Procuring Entity 's processing of Bids or award decisions may result in the rejection of the bidder's Bid. The request for clarification and the response shall be in writing or by fax, but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Procuring Entity in the evaluation of the bids in accordance with sub-clauses 30.5/30.6.

### 29. CLARIFICATIONS OF BIDS

- 29.1 To assist in the examination, evaluation, and comparison of Bids, the Procuring Entity may, at its discretion, ask the bidder for a clarification of its Bid. All responses to request for clarification shall be in writing, and no change in the price or substance of the Bid shall be sought, offered or permitted.

### 30. PRELIMINARY EXAMINATION OF BIDS

#### Technical Evaluation:

- 30.1 The Procuring Entity will examine the bids to determine whether they are complete, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 30.2 Prior to the detailed evaluation, pursuant to Clause 32, the Procuring Entity will determine the substantial responsiveness of each Bid to the Bidding Documents including acceptable quality of the Goods offered, pursuant to Clause 18. A substantially responsive Bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviation.
- 30.3 A Bid determined as not substantially responsive will be rejected by the Procuring Entity and may not subsequently be made responsive by the bidder by correction of the non-conformity.

#### Financial Evaluation:

- 30.4 Check the bidder's compliance to the financial documents required by the Procuring Entity
- 30.5 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price per item will be corrected. If there is a discrepancy between the Total Amount and the sum of the total price per item, the sum of the total price per item shall prevail and the Total Amount will be corrected.
- 30.6 The amount stated in the Form of Bid will be adjusted by the Procuring Entity in accordance with the above procedure for the correction of errors and, shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount of bid, its bid will be rejected, and the bid security may be forfeited in accordance with Sub-Clause 19.6

### 31. CONVERSION TO SINGLE CURRENCY

- 31.1 The procuring entity will convert the amounts in various currencies in which the Bid Price is payable to Philippine Peso at the selling exchange rates officially prescribed for similar transactions as established by Bangko Sentral ng Pilipinas on the date of bid opening.

### 32. EVALUATION AND COMPARISON OF BIDS

- 32.1 The Procuring Entity will evaluate and compare the bids previously determined to be substantially responsive, pursuant to Clause 30.
- 32.2 The Procuring Entity 's evaluation of a Bid will exclude and not take into account:
- (a) in the case of goods partially or wholly manufactured within the Procuring Entity 's country or Goods of foreign origin already located in the Procuring Entity 's country, sales and other similar taxes which may be levied on the finished Goods if the Contract is awarded to the bidder;
  - (b) in the case of goods to be offered from outside the Procuring Entity 's country, customs duties and other similar import duties and taxes which be levied on the Goods if the Contract is awarded to the bidder; and
  - (c) any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
- 32.3 The comparison shall be of:
- (a) the ex-factory/ex-warehouse/off-the-shell price of the Goods to be offered from within the Procuring Entity 's country (such price to include all costs as well as duties and



- taxes paid or payable on components and raw material incorporated or to be incorporated in the Goods); and
- (b) the CIF port-of-entry price of the Goods to be offered from outside the Procuring Entity's country.
- 32.4 The evaluation of bids shall take into account the price and other commercial features of the offer. In addition, it may also take into account other criteria, such as those in the sample listed below.
- \* Contractual and Commercial Deviations
  - \* Delivery Schedule
  - \* Operating Costs
  - \* Functional Guarantee of the Goods
  - \* Local Handling and Transportation
- 33. CONTACTING THE PROCURING ENTITY**
- 33.1 Subject to Clause 29, no bidder shall contact the Procuring Entity on any matter relating to its Bid, from the time of bid opening to the time the contract is awarded unless initiated by the Procuring Entity.
- 33.2 Any effort by a bidder to influence the Procuring Entity in its decision in respect of bid evaluation, bid comparison or Contract award will result in the rejection of the Bidder's Bid.
- 34. PROCURING ENTITY'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS**
- 34.1 **The Procuring Entity reserves the right to accept or reject any Bid and to annul the bidding process and reject all Bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidders of the grounds for the Procuring Entity 's action.**
- 35. POST QUALIFICATION AND AWARD**
- 35.1 The Procuring Entity will determine to its satisfaction whether the Bidder selected as having submitted the lowest-evaluated, responsive bid is qualified to satisfactorily perform the Contract.
- 35.2 The determination will take into account the bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualification submitted by the bidder, pursuant to Clause 17, as well as such other information as the Procuring Entity deems necessary and appropriate.
- 35.3 An affirmative determination will be pre-requisite for award of the Contract to the Bidder. A negative determination will result in rejection of the Bidder's bid.
- 35.4 The Procuring entity will award the Contract to the successful bidder whose Bid has been determined the lowest calculated responsive Bid, provided further that the bidder is determined to be qualified to satisfactorily perform the Contract.
- 36. NOTIFICATION OF AWARD**
- 36.1 The Procuring Entity will notify the successful bidder in writing by registered letter, or by fax or email to be confirmed in writing by registered letter or by fax or email, that its Bid has been accepted and on which basis the Bid has been accepted.
- 36.2 The notification of award will constitute the formation of a contract, until the Contract has taken effect pursuant to Clause 37.
- 37. ISSUANCE OF NOTICE OF AWARD AND SIGNING OF CONTRACT**
- 37.1 At the time of notification of award, the Procuring Entity will send the successful bidder the Notice of Award.
- 37.2 Within five (5) working days of receipt of such Notice of Award the successful bidder shall affix its signature and date in the Notice of Award and return it to the Procuring Entity together with the corresponding Performance Security.
- 37.3 After signing of Notice of Award and posting of Performance Security of the successful bidder, the Procuring Entity will send the Contract Form provided in the Bidding Documents, incorporating all agreements between the parties.
- 37.4 Within five (5) working days of receipt of such Contract Form the successful bidder shall affix



its signature and date in the Contract Form and return it to the Procuring Entity  
37.5 Upon receipt of the signed Contract form, the Procuring Entity will issue Notice to Proceed to the successful bidder.

### 38. PERFORMANCE SECURITY

- 38.1 Within five (5) working days of the receipt of notification of award from the Procuring Entity, the successful bidder shall post the performance security, in Manager's Check form or cash, to be deposited to the Procuring Entity's bank account.
- 38.2 Failure of successful bidder to comply with the requirements of Clause 37 or 38 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security.

## ANNEX A: BID EVALUATION PROCEDURE

### Step 1 - Submittal of Bid

If a submittal is late, it should not be opened, but should be returned to the Bidder unopened.

### Step 2 – Technical Bid Evaluation

During the Bid opening, preliminary examination shall begin by determining that the general conditions of the Bidding Documents have been met in the bid. The following items should be checked to determine whether the Bid is responsive.

- Bid does not show evidence of tampering.
- Bid is from a Procuring Entity of the Bidding Documents.
- Bid Addendum received.
- Bid appears to be complete.
- Bid on all items per schedule.
- Bid contains Deviation Form duly filled in
- Bidder meets the required experience and number of sales
- Bidder is a registered company
- a. The Bidder and the manufacturer are both from eligible source countries as defined in list of eligible source countries.
- b. The Bid contains a manufacturer's name and catalogue number for each item in the completed bid schedule.
- c. The Bid contains authorization from the manufacturer to supply the goods to the Bidder for this procurement.
- d. The Bid contains a listing, for each item bid, showing the manufacturer's years of manufacture and the international sales for the required number of years. This is to include dollar volume, Procuring Entity, and names and telephone numbers for Procuring Entity contact person(s).
- e. The Bid contains the Technical Data Sheets with the Bidder's guaranteed data duly stamped and signed by the Bidder.
- f. The Bid contains supplementary technical information to determine if each item offered meets the Technical Specifications of the Bidding Documents.

**In the absence of substantial compliance with all of the above items, the bids are incomplete, shall be declared non-responsive and has to be rejected.**

### Step 3 – Opening of the Financial Offer

During the opening of the financial proposal, the following information is to be read and recorded:

- Name of Bidder;
- Any discount offered;
- Name of Bank which issued the Bid Security;
- Bid security is present in the correct amount and acceptable form
- Validity of the Bid Security
- Validity of the Bid
- Bid security receipt is issued by the Bank
- Net financial contracting capacity is computed
- ITR of the bidder for the past three (3) years duly marked received by the BIR is submitted
- Financial Statements of the bidder for the past three (3) years is submitted
- a. The Bid contains price schedule(s) that have the unit price shown for each item in the completed bid schedule. The price schedule is to be checked for arithmetic errors in the extensions and the additions.



- b. Determine that the Bidder has filled out correctly the price schedule for what he is bidding.
- c. The price schedule be checked to determine that the correct quantities are shown.
- d. Calculate the amounts for the applicable penalties as provided in the Technical Specifications and add amounts to the Bid prices for evaluation purposes only.
- e. After the special factor, additions and conversion of schedule total to Philippine Peso, determine which remaining bid, has the lowest price for this bid schedule.
- f. Compare the price of the low bid, for this bid schedule.

#### Step 4 - Evaluation and Comparison of Bids

All bids for this schedule are then financially evaluated to determine whether the company has the financial capability to perform the contract. Bidders who are found to be financially not sound shall be rejected.

If any item in the low bid has only minor technical deviations from the specifications, this shall be clarified with the bidder.

If any item in the low bid does not meet the technical specifications, that bid is rejected. The evaluation process then continues to the next low bid for that schedule.

This procedure to continue until the low bid, meeting the technical specifications of this Bidding Documents for this schedule, is determined.

#### Step 5 - Ability to Perform and Recommend for Award

After the low bid meeting the technical specifications is determined, check on enough of his previous sales of similar materials to determine whether the Bidder has demonstrated that he is qualified to perform the Contract. If the low Bidder is found to have provided unsatisfactory materials of similar nature on other contracts, his bid is to be rejected. The evaluation process then continues to the next low bid for that schedule.

This procedure shall continue until the low Bidder qualified to perform the contract for this schedule is determined. The recommendations for the Award of Contract for this schedule to this lowest responsible and responsive Bidder is automatic.

#### Note:

**"Low bid" is hereby defined as the Bid on a complete bid schedule that has the lowest total price after considering all factors and/or reference up to that point in the evaluation procedure.**



**SECTION III. GENERAL CONDITIONS OF CONTRACT**

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### 1. DEFINITIONS

- 1.1 In this contract the following terms shall be interpreted as indicated:
- (a) "The Contract" means the agreement entered into between the Procuring Entity and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
  - (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
  - (c) "The Goods" means all of the equipment, machinery and/or other materials which the Supplier is required to supply to the Procuring Entity under the Contract;
  - (d) "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other such obligations of the Supplier covered under the Contract;
  - (e) "The Procuring Entity " means the Nueva Ecija II Area 1 Electric Coop., Inc.
  - (f) "The Supplier" means the individual or firm supplying the Goods/Services under this Contract;

### 2. APPLICATION

These General Conditions shall apply as part of the Contract which shall include the following documents and the priority of these documents shall be as follows:

- a) Contract Agreement
- b) Notification of Award
- c) Special Conditions of Contract
- d) General Conditions of the Contract
- e) Bidding Documents
- f) Forms and Schedules
- g) Supplier's Bid

### 3. COUNTRY OF ORIGIN

- 3.1 All Goods and Services supplied under the Contract shall have their origin from the eligible source countries, as defined in Section II, Clause 3.
- 3.2 For purposes of this Clause 3, "origin" means the place where the Goods were mined, grown or produced, or from which the services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.

### 4. STANDARDS

- 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

### 5. USE OF CONTRACT DOCUMENTS AND INFORMATION

- 5.1 The Supplier shall not, without the Procuring Entity 's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Procuring Entity in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.
- 5.2 The Supplier shall not, without the Procuring Entity 's prior written consent make use of any document or information enumerated in para. 5.1 except for purposes of performing the Contract.
- 5.3 Any document, other than the Contract itself, enumerated in para. 5.1 shall remain the property of Procuring Entity and shall be returned (in all copies) to the Procuring Entity on completion of the Supplier's performance under the Contract if so required by the Procuring Entity.

### 6. PATENT RIGHTS

- 6.1 The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in the Philippines.



### 7. PERFORMANCE SECURITY

- 7.1 Within five (5) working days after the Supplier's receipt of notification of award of the Contract, the Supplier shall furnish performance security to the Procuring Entity in the amount specified in the Special Conditions of Contract.
- 7.2 The proceeds of the Performance Security shall be payable to the Procuring Entity as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract. The performance security shall be to the account of the Supplier who signed the Contract. The performance security shall also guarantee the enforcement of the warranty provision in Clause 15 of this section.
- 7.3 The Performance Security, which should be callable on demand shall be denominated in the currency of the Contract and shall be in one of the following forms:
- (a) A bank guarantee or irrevocable Letter of Credit, issued by a bank in the Philippines or a bank abroad which has a jointly and severally liable correspondent bank in the Philippines, acceptable to the Procuring Entity, and in the form provided in the Bidding Documents or another form acceptable to the Procuring Entity. The Procuring Entity may request that said bank guarantee or irrevocable Letter of Credit be confirmed by a reputable bank acceptable to the EC.
- Or
- (b) A Manager's check, certified check, or cash.
- 7.4 The performance security will be discharged by the Procuring Entity and returned to the Supplier not later than sixty (60) days following the date of completion of the Supplier's performance obligations, including any warranty obligation, under the Contract.

### 8. INSPECTIONS AND TESTS

- 8.1 The Procuring Entity or its designated third party inspector shall, at all reasonable times, be allowed free and ready access to the Supplier's premises and those of his sub-contractors for the purpose of inspecting the specified goods and obtaining information as to the progress of the work.
- 8.2 The Procuring Entity or its designated third party inspector shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract. The Special Conditions of Contract and/or the Technical Specifications shall specify what inspections and tests the Procuring Entity requires and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing of the identity of any representatives retained for these purposes.
- 8.3 The inspections and tests may be conducted on the premises of the Supplier or its sub-contractor(s), at point of delivery and/or at the good's final destination. Where conducted on the premises of the Supplier or its sub-contractor(s), all reasonable facilities and assistance-including access, drawings and production data-shall be furnished two weeks before such tests take place to the inspectors at no charge to the Procuring Entity
- 8.4 Should any inspected or tested Goods fail to conform to the Specification, the Procuring Entity may reject them, and the lot they represent, and the Supplier shall replace the rejected Goods within the life of the Contract or not later than ninety (90) days from receipt of notice of rejection, whichever comes first, or all alterations necessary to meet specification requirements free of cost to the Procuring Entity;
- 8.5 The Procuring Entity 's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Philippines shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Procuring Entity or its representative prior to the Goods shipment from the country of origin.
- 8.6 Test Certificates for all Goods shall be prepared by the Supplier, signed by both the Supplier and the Procuring Entity or third party inspectors. Also in case of no attendance of the tests by the Procuring Entity or third party inspector, test certificates signed by the Supplier are to be submitted to the Procuring Entity.
- 8.7 Nothing in Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

### 9. PACKING AND MARKING

- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Special Conditions of Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking and documentation within and outside the package shall comply strictly



with such special requirements as shall be expressly provided for in the Contract and, subject to Clause 18, in any subsequent instructions ordered by the Procuring Entity.

9.3 Proposal for packing and marking should be approved by the Procuring Entity.

### 10. DELIVERY AND DOCUMENTS

10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified by the Procuring Entity in its Schedule of Requirements and Special Conditions of Contract.

10.2 For purposes of the Contract, "FOB", "CIF" and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of the International Rules for the Interpretation of the Trade Terms published by the International Chamber of Commerce, Paris, and commonly referred to as INCOTERMS.

### 11. INSURANCE

11.1 The Goods supplied under the Contract shall be fully insured in the currency of the contract against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the Special Conditions of Contract.

### 12. TRANSPORTATION

12.1 Where the Supplier is required to effect delivery under any other terms, for example, by post or another address in the source country, the Supplier shall be required to meet all transport and storage expenses until delivery.

12.2 In all of the above cases, transportation of the Goods after delivery at the designated point of delivery shall be the responsibility of the Procuring Entity.

12.3 Ocean transportation shall be by vessels registered in eligible source countries, as defined in Clause 3 of the Instructions to Bidders, or belonging to shipping conferences in which shipping lines from such member countries hold the major share.

### 13. INCIDENTAL SERVICES

13.1 As specified in the Special Conditions of Contract, the Supplier may be required to provide any or all of the following services:

- (a) Performance or supervision of on-sight assembly and/or start-up of the supplied Goods;
- (b) Furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) Conduct of training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for the preceding incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged by the Supplier to other parties for similar services.

### 14. SPARE PARTS

14.1 As specified in the Special Conditions of Contract, the Supplier may be required to provide any or all of the following materials and notifications pertaining to spare parts manufactured or distributed by the Supplier:

- (a) Such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) In the event of termination of production of the spare parts:
  - (i) advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
  - (ii) following such termination, furnishing at no cost to the Procuring Entity, the blue prints, drawings, and specifications of the spare parts, if and when requested.

### 15. WARRANTY

15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise, in the Contract. The Supplier further warrants that the Goods supplied



any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions obtaining in the country of final destination.

- 15.2 This warranty shall remain valid for 12 months after the Goods or any portion thereof as the case maybe, have been delivered to the final destination and commissioned indicated in the Contract or for 18 months after the date of shipment to the port of entry in the Philippines, whichever period concludes earlier, unless specified otherwise in the Special Conditions of Contract or in the Technical Specifications.
- 15.3 The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall repair or replace within 30 days of such notification the defective Goods or part thereof, without costs to the Procuring Entity other than, where applicable, the cost of inland delivery of the repaired or replace Goods or parts from the port of entry to the final destination
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s) within 30 days of such notification, the Procuring Entity may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring Entity may have against the Supplier under the Contract.

## 16. PAYMENT

- 16.1 The method and conditions of payment to be made to the Supplier under the Contract shall be specified in the Special Conditions of Contract.
- 16.2 The currency in which payment is made to the Supplier under this Contract shall be specified in the Special Conditions of Contract.
- 16.3 No payment shall be due while the Supplier is in default in respect to any of the provisions of the contract. On the event that the Supplier is in default, the Procuring Entity reserve the right to instruct Procuring Entity designated bank to withhold any or all payments.

## 17. PRICES

- 17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not, with the exception of any price adjustments authorized by the Special Conditions of Contract, vary from the prices quoted by the Supplier in its bid.

## 18. CHANGE ORDERS

- 18.1 The Procuring Entity may at any time, by a written order given to the Supplier pursuant to Clause 31, General Conditions of Contract, make changes within the general scope of the Contract in any one or more of the following:
  - (a) drawings, designs or specifications where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring Entity;
  - (b) the method of shipment or packing;
  - (c) place of delivery; or
  - (d) the Services to be provided by the Supplier.
- 18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any part of the work under the Contract whether changed or not changed by the order, an equitable adjustment shall be made to the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring Entity 's change order.

## 19. CONTRACT AMENDMENTS

- 19.1 Subject to Clause 18, no variation or modification of the terms of the Contract shall be made except by written amendments signed by the parties.

## 20. ASSIGNMENT

- 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Procuring Entity 's prior written consent.

## 21. SUBCONTRACTS

- 21.1 The Supplier shall notify the Procuring Entity in writing of all subcontracts awarded under the Contract if not already specified in his bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.
- 21.2 Subcontracts must comply with the provisions of Clause 3.



### 22. DELAYS IN THE SUPPLIER'S PERFORMANCE

- 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule specified by the Procuring Entity in its Schedule of Requirements.
- 22.2 A delay by the Supplier in the performance of its delivery obligations, for which either no amendment to the contract or no extension of the performance security was made, shall render the Supplier liable to any or all of the following sanctions:
  - 22.2.1 forfeiture of its performance security,
  - 22.2.2 imposition of liquidated damages,
  - 22.2.3 and/or termination of the Contract for default.
- 22.3 If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of the Services, the Supplier shall promptly notify the Procuring Entity in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after the receipt of the Supplier's notice, the Procuring Entity shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

### 23. LIQUIDATED DAMAGES

- 23.1 Subject to Clause 25, if the Supplier fails to secure acceptance from the Procuring Entity for the delivery of any or all of the Goods or performance of the Services within the delivery period(s) specified in the Contract, the Procuring Entity shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to one tenth of one percent (0.1 %) of the delivered price of the Goods or Services that were delivered early or delayed, for each day outside of the Contract schedule for deliveries, up to a maximum deduction of Ten (10%) percent of the Contract Price of the Goods or Services involved. Once the maximum is reached, the Procuring Entity may consider termination of the Contract.

### 24. TERMINATION FOR DEFAULT

- 24.1 The Procuring Entity may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or in part:
  - (a) If the Supplier fails to deliver any or all of the Goods within the time period(s) specified in the Contract, or any extension thereof granted by the Procuring Entity pursuant to Clause 22; or
  - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
- 24.2 In the event the Procuring Entity terminate the Contract in whole or in part, pursuant to para. 24.1, the Procuring Entity may procure, upon such terms and in such manner as it deems appropriate, Goods similar to those undelivered, and the Supplier shall be liable to the Procuring Entity for any additional cost of Goods for such similar Goods. However, the Supplier shall continue performance of the Contract to the extent not terminated.

### 25. FORCE MAJEURE

- 25.1 Notwithstanding the provisions of Clause 22, 23, 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but not restricted to wars or revolution, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Entity in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring Entity in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.



### 26. TERMINATION FOR INSOLVENCY

- 26.1 The Procuring Entity may at any time terminate the Contract by giving written notice to the Supplier, without compensation to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. Notwithstanding the above, such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Entity.

### 27. TERMINATION FOR CONVENIENCE

- 27.1 The Procuring Entity may, by written notice sent to the Supplier, terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring Entity's convenience, the extent to which performance of work under the Contract is terminated, and the date upon which such termination becomes effective.
- 27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be purchased by the Procuring Entity at the Contract terms and prices. For the remaining Goods, the Procuring Entity may elect:
- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
  - (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier for the use in this contract.

### 28. RESOLUTION OF DISPUTES

- 28.1 The Procuring Entity and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Entity and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanism specified in the Special Conditions of Contract. This mechanism may include, but is not restricted to, conciliation mediated by a third party, adjudication in an agreed national or international forum, and/or international arbitration. The mechanism shall be specified in the Special Conditions of Contract.

### 29. GOVERNING LANGUAGE

- 29.1 The Contract shall be written in the language of the bid, as specified by the Procuring Entity in the Instruction to Bidders. Subject to Clause 30, the language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in that same language.

### 30. APPLICABLE LAW

- 30.1 The Contract shall be interpreted in accordance with the laws of the Philippines.

### 31. NOTICES

- 31.1 Any notice given by one party to the other pursuant to the Contract shall be sent in writing or by telegram, fax or telex/cable and confirmed in writing to the address specified for that purpose in the Special Conditions of Contract.
- 31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

### 32. TAXES AND DUTIES

- 32.1 A Supplier providing imported goods shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Philippines
- 32.2 A Supplier providing domestic goods shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the Contract Goods to the Procuring Entity. Value Added Tax (VAT) or similar local taxes on finished products shall be identified and shall be reimbursed to the Supplier by the Procuring Entity upon presentation of documentary evidence that taxes have been paid (Clause 11.2.3, Section IV - Special Conditions of Contract).

SECTION IV. SPECIAL CONDITIONS OF CONTRACT

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### 1. GENERAL

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Condition of Contract. The corresponding clause number of the General Condition is indicated in parenthesis.

### 2. DEFINITION

- 2.1 The Procuring Entity is Nueva Ecija II Electric Cooperative., Inc.- Area 1
- 2.2 The Supplier is (Name of Supplier)
- 2.3 EC or Coop is Electric Cooperative

### 3. COUNTRY OF ORIGIN

The countries of origin are defined in Section II, Clause 3.1, whereas the term "origin" is defined in Section III, Clause 3.

### 4. PERFORMANCE SECURITY

The Performance Security shall be in the amount of five (5%) percent of the Contract Price in form of Manager's Check and

- 4.1 shall be valid initially for a period covering the delivery and construction work schedule plus 45 calendar days; and
- 4.2 shall be extended with each delivery to cover also the warranty period of the delivered goods plus 30 calendar days.

### 5. INSPECTION AND TESTS

The inspection and test procedures, required by the Procuring Entity, are described in Section V - General Technical Conditions as well as in Section VII - Technical Specifications.

When the Technical Specifications do not specify otherwise and 100 % testing is not required, the American Standard ANSI/ASQC Z1.4-1993 (Sampling Procedures and Tables for Inspection by Attributes) will be used as the guidelines for inspecting and/or testing of the goods and the Acceptable Quality Level to be 0.40.

Cost for a minimum of two (2) Procuring Entity 's representative(s), such as travel cost, accommodation and living expenses shall be borne by the Supplier.

### 6. PACKING AND MARKING

- 6.1 Refer to Section V, Clause 8 and 9, for marking requirement

### 7. DELIVERY AND DOCUMENTS

- 7.1 Delivery Schedule:  
For goods supplied within the Philippines counting will be from the date the Supply Contract is signed.  
Delivery is considered complete when:
  - a) the specified quantity of goods are received at the Coops Headquarters or as specified by the Procuring Entity within the area coverage in accordance with all the requirements in the contract, or
  - b) the goods, to be delivered, at Manila warehouse/factory, have been loaded on the Supplier's truck, or
  - c) the goods, to be delivered to the Coop headquarters or as specified by the Procuring Entity within the area coverage, have been received by the Coop and a Receiving Report has been provided by the Coop.



### 7.2 Documents for Imported Goods Shipped to EC HQ.

Upon shipment, the Supplier shall notify the Procuring Entity and the Insurance Company by cable, fax or telex the full details of the shipment including Contract number, description of Goods, quantity, vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, estimated time of arrival, port of entry, etc. The Supplier shall send by courier the following documents to the Procuring Entity with a copy to the Insurance Company:

- 7.2.1 Original & six (6) copies of the Supplier's invoice showing Goods description, quantity, unit price, total amount. The cost of insurance and freight included in the total amount shall be itemized separately. The cost of inland freight, brokerage, handling and other incidental expenses within the Philippines, included in the total amount shall likewise be itemized separately.
- 7.2.2 Original and four (4) copies of the negotiable, clean on-board bill of lading of the final carrier/vessel to Philippines marked freight prepaid and two (2) copies of non-negotiable bill of lading;
- 7.2.3 Original & six (6) copies of packing list identifying contents of each package by serial number;
- 7.2.4 Original & three (3) copies of Insurance Certificate;
- 7.2.5 Original & three (3) copies of Manufacturer's/Supplier's guarantee certificate;
- 7.2.6 Original & three (3) copies of:
  - 7.2.6.1 Inspection certificate issued by the EC or any authorized inspection agency or a certificate of waiver signed by the EC;
  - 7.2.6.2 the Manufacturer's factory inspection report, and
  - 7.2.6.3 Societe de Surveillance (SGS) pre-shipment Clean Report of Findings or number and date of issue.
- 7.2.7 Original & three (3) copies of Certificate of Origin endorsed by the Chamber of Commerce.
- 7.2.8 Original & three (3) copies of evidence showing that the Supplier has forwarded the shipping documents listed above to the Procuring Entity via an international document handling service similar to Federal Express or DHL. These documents shall reach the Procuring Entity not later than ten (10) calendar days after shipment as evidenced by the date of the Bill of Lading, except those shipping documents covering shipment of materials from Japan, Korea, Taiwan, Thailand and other eligible Asian source countries and airshipments, which shall reach the Procuring Entity not later than three (3) calendar days after shipment. Any expenditure incurred by the Procuring Entity (such as demurrage charges, storage fee, document reproduction costs and other similar charges/expenditure) as result of late receipt of required shipping documents, or incorrect shipping documents, shall be for the account of the Supplier. Filing fee being charged by the BOI, DOF and other government agencies for the tax and duty free importation of the goods shall be borne by the Supplier.
- 7.2.9 Original & three (3) copies of the extension for the Performance Security as per Clause 4.2.

### 7.3 Documents for Domestic Goods delivered to EC HQ.

The Supplier shall send the following documents to the EC with a copy to each the Procuring Entity and the insurance company:

- 7.3.1 Original & three (3) copies of the Supplier's invoice showing Goods description, quantity, unit price, total amount. The cost of freight from Supplier's Warehouse to designated destination shall be itemized separately.
- 7.3.2 Original & three (3) copies of packing list identifying contents of each package by serial number, Consignee & recipient Coop.
- 7.3.3 Original & three (3) copies of Insurance Certificate on any Goods shipped DDP to EC HQ.
- 7.3.4 Original & three (3) copies of Manufacturer's/Supplier's guarantee certificate;
- 7.3.5 Original & three (3) copies of Inspection certificate issued by:
  - 7.3.5.1 An authorized inspection agency or a certificate of waiver signed by the EC, and



- 7.3.6 Original & three (3) copies of Certificate of Origin.
- 7.3.7 For wood products, a copy of the DENR logging permit under which the trees were cut in the Philippines.
- 7.3.8 Original & three (3) copies of the extension for the Performance Security as per Clause 4.2.
- 7.3.9 Original & three (3) copies of the certificates proving the amount for all costs as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the goods as stated in the price sheets. Payments are limited to the amount stated in such certificates but shall not exceed the amount stated in the price sheets."

## 8. INSURANCE

The marine and inland insurance shall be in an amount equal to one hundred ten percent (110%) of the value of the Goods from "warehouse to recipient EC warehouse" on "All Risks" basis including War Risk, Civil Unrest, and Strike clauses and shall be valid for ninety (90) days after arrival of the equipment at designated EC HQ or as specified by the Procuring Entity within the area coverage. The insurance shall be paid by the Supplier. It shall be the responsibility of the Supplier that the insurance coverage provided include the cost of conducting all necessary investigation of report of damage, loss or pilferage. Such investigation and preparation of report shall be done by the Supplier at no cost to the Procuring Entity.

## 9. INCIDENTAL SERVICES

The services covered under Clause 13, Section III, General Conditions of Contract, Sub-Clause 13.1 letters (c), (d), and that of those required in the Technical Specifications shall be furnished. The cost shall be included in the contract price.

## 10. SPARE PARTS

Suppliers shall carry sufficient inventories to assure ex-stock supply of consumable spares such as gaskets, plugs, washers, belts, etc. other spare parts and components shall be supplied as promptly as possible but in any case shall not exceed one (1) month after placement of order and establishment of Letter of Credit or execution of Contract.

## 11. PAYMENT

- 11.1 For Goods and services supplied from countries other than the Philippines payment shall be made as follows:
  - 11.1.1 Once a month or for an accomplishment of at least ₱ 1.0 million, the contractor may submit a request for payment for work accomplished. Such request for payment shall be verified and certified by the Coop project engineer, and approved by Coop Technical/Engineering Manager. Except as otherwise stipulated in the contract, materials and equipment delivered on the site but not completely put in place shall not be included for payment.
  - 11.1.2 The Coop shall have the right to deduct from the contractor's progress billing such amount as may be necessary to cover third party liabilities, as well as uncorrected discovered defect in the project.
- 11.2 For Goods and Services supplied from within the Philippines, payment shall be made as follows:
  - 11.2.1 Once a month or for an accomplishment of at least ₱ 1.0 million, the contractor may submit a request for payment for work accomplished. Such request for payment shall be verified and certified by the Coop project engineer, and approved by Coop Technical/Engineering Manager. Except as otherwise stipulated in the contract, materials and equipment delivered on the site but not completely put in place shall not be included for payment.
  - 11.2.2 The Coop shall have the right to deduct from the contractor's progress billing such amount as may be necessary to cover third party liabilities, as well as uncorrected discovered defect in the project.
- 11.3 Should the Supplier fail to receive from Procuring Entity the Acceptance Certificate as

specified in paragraphs 11.1.2 & 11.2.2 within (60) days following the date of delivery of the materials to Procuring Entity headquarters or as specified by the Procuring Entity within the area coverage, the Supplier may request for payment by submitting to Procuring Entity three (3) copies of the Voucher bearing the following certification:

I/we hereby certify that the materials and equipment covered by this invoice were delivered to the Procuring Entity headquarters or as specified by the Procuring Entity delivery point as specified in the Delivery Schedule prior to sixty (60) days before the date of this certification, that all warranties and guaranties, and final drawing have been

delivered to Procuring Entity, that no objection of any kind has been received from Procuring Entity to the payment of the remaining ten (10%) percent of this equipment.

\_\_\_\_\_

Date

\_\_\_\_\_

Supplier

ATTESTED BY:

\_\_\_\_\_

Authorized Signature

\_\_\_\_\_

Title

12.

**RESOLUTION OF DISPUTES**
- The dispute resolution mechanism to be applied pursuant to Clause 28 of the General Conditions shall be as follows:
- 12.1

in the case of a dispute between the Procuring Entity and a Supplier which is a national of the Philippines, the dispute shall be referred to adjudication/arbitration in accordance with the laws of the Philippines; and
- 12.2

in the case of a dispute between the Procuring Entity and a foreign Supplier, the dispute shall be settled by arbitration, held in Manila, in accordance with the provisions of the UNCITRAL Arbitration Rule

13.

**NOTICES**
- For the purpose of all notices, the following shall be the address of the Procuring Entity and Supplier.

Procuring Entity:

**Mr. Lorenzo Valino Jr.**  
**BAC Chairperson**  
**Nueva Ecija II Electric Cooperative, Inc. -Area 1 (NEECO II Area 1)**  
**Calipahan, Talavera, Nueva Ecija**  
**Philippines 3114**  
Tel./Fax    044 411 1007  
e-mail: [bac\\_neeco2areal@yahoo.com.ph](mailto:bac_neeco2areal@yahoo.com.ph)

Supplier:

\_\_\_\_\_  
(to be filled in at the time of contract signature)

SECTION V. FORMS

TABLE OF FORMS

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# NEECO II - AREA 1

## NUEVA ECija II ELECTRIC COOPERATIVE, INC. - AREA 1

Calipahan, Talavera, Nueva Ecija  
www.neeco2area1.com  
neeco2\_area1@yahoo.com.ph  
(044) 411-1007 loc. 117

### FORM 1: BID

Date: \_\_\_\_\_  
Location: \_\_\_\_\_  
Contract \_\_\_\_\_  
No: \_\_\_\_\_

TO : Bid and Awards Committee  
Nueva Ecija II Electric Cooperative, Inc.- Area-1  
Calipahan, Talavera  
3114 Nueva Ecija

Gentlemen:

Having examined the Bidding Documents including Addenda Nos. (Insert Numbers), the receipt of which is hereby duly acknowledged, we, the undersigned, offer to deliver (Description of materials) in conformity with the said Bid Documents for the sum of (Total Bid Amount in Words and Figures) or such other sums as may be ascertained in accordance with the Price Schedules attached herewith and made part of this bid.

We undertake, if our bid is accepted, to commence the delivery within (Number) days to complete the project of all the items specified in the Contract within the (Number) days to be calculated from the date of receipt of your Purchase Order.

**If our bid is accepted we will post performance security in form of Manager's Check in a sum not exceeding five percent (5%) of the Bid Price for the due performance of the Contract.**

We agree to abide by this bid for a period of (Number) days from the date fixed for bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your Notice of Award/Purchase Order, shall constitute a binding Contract between us.

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

Dated this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
(In capacity of)

Duly authorized to sign bid for and on behalf  
of \_\_\_\_\_.

### FORM 2: BID SECURITY

WHEREAS, \_\_\_\_\_ hereinafter called "the BIDDER" has submitted its bid dated \_\_\_\_\_ for the construction of \_\_\_\_\_ (hereinafter called "the BID").

KNOW ALL MEN BY THESE PRESENTS:

That, WE, \_\_\_\_\_ of \_\_\_\_\_, having our registered office at (hereinafter called "the BANK") are the bound unto \_\_\_\_\_ (hereinafter called "the COOPERATIVE") in the sum of \_\_\_\_\_ for which payment will truly be made to



# NEECO II - AREA 1

## NUEVA ECIIJA II ELECTRIC COOPERATIVE, INC. - AREA 1

Calipahan, Talavera, Nueva Ecija

www.neeco2area1.com

neeco2\_area1@yahoo.com.ph

(044) 411-1007 loc. 117

the said COOPERATIVE, the Bank binds itself, its successors and assigns by these presents.

Sealed with the common seal of the said Bank this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

THE CONDITIONS of this obligation are:

- 1) If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
- 2) If the bidder, having been notified of the acceptance of its bid by the Cooperative during the period of validity:
  - a. fails or refuses to execute the Contract Form, if required; or
  - b. fails to refuses to furnish the Performance Security, in accordance with the Instructions to Bidders;

We undertake to pay to the Cooperative up to the above amount upon receipt of its first written demand, without the Cooperative having to substantiate it demand, provided that in this demand the Cooperative will note that the amount claimed by it is due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including thirty (30) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

\_\_\_\_\_  
(Signature)

### FORM 3: POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_, a company organized and existing under the laws of \_\_\_\_\_, having the principal office at \_\_\_\_\_ do hereby make, constitute, and appoint \_\_\_\_\_ our true and lawful attorneys-in-fact to act for us, on our behalf, and in name, by investing them with the following powers:

- 1) To make any proposal to and/or negotiate and execute the contract or any other agreement with (NEECO II Area-1), its representative and/or agents, if any, relating to the bid of **Construction of MCO Multi Purpose Building.**
- 2) To receive, accept and acknowledge any notice issued under the contract, any other agreement and/or any other proposal.
- 3) To do any and all acts and things and execute any and all instruments, certificates and agreement which they may deem necessary or advisable, or which may be required for or in connection with the execution of the said contract.

IN WITNESS WHEREOF, we have cause this POWER OF ATTORNEY to be executed in our name by our \_\_\_\_\_ thereunto duly authorized, in \_\_\_\_\_ this day of \_\_\_\_\_, 20\_\_.

(CORPORATION)  
by: PRINTED NAME  
POSITION/TITLE

FORM 4a: LETTER OF AUTHORIZATION FROM THE MANUFACTURER TO THE BIDDER

Construction of MCO Multi Purpose Building  
INVITATION TO BID NO. NE-II-A1- 2024-010

To whom it may concern:

We, \_\_\_\_\_, a juridical person, organized and existing under the laws of \_\_\_\_\_ having its principal business office at \_\_\_\_\_ hereby authorizes \_\_\_\_\_ having its registered office at \_\_\_\_\_ to offer and supply our goods to the \_\_\_\_\_ Electric Coop., Inc.

This Letter of Authorization is effective from this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ and remains in full force until the completion of the contract.

(CORPORATION)

by: \_\_\_\_\_  
PRINTED NAME  
\_\_\_\_\_  
POSITION / TITLE

FORM 4b: LETTER OF AUTHORIZATION FROM THE BIDDER THE LOCAL AGENT

Construction of MCO Multi Purpose Building  
INVITATION TO BID NO. NE-II-A1- 2024-010

To whom it may concern:

We, \_\_\_\_\_(company)\_\_\_\_\_, a juridical person, organized and existing under the laws of \_\_\_\_\_(country)\_\_\_\_\_ having its principal business office at \_\_\_\_\_(address)\_\_\_\_\_ hereby appoint \_\_\_\_\_(company)\_\_\_\_\_ having its registered office at \_\_\_\_\_(address)\_\_\_\_\_ as our local agent/representative. In particular, our local agent/representative is authorized to \_\_\_\_\_.

This Letter of Authorization is effective from this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ and remains in full force until the completion of the contract.

(CORPORATION)

by: \_\_\_\_\_  
PRINTED NAME  
\_\_\_\_\_  
POSITION / TITLE



### FORM 5: CONTRACT

#### MEMORANDUM OF AGREEMENT Construction of MCO Multi Purpose Building INVITATION TO BID NO. NE-II-A1- 2024-010

KNOW ALL MEN BY THESE PRESENTS:

This agreement is entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2024 at Nueva Ecija II Electric Cooperative, Inc. Area-1 (NEECO II-AREA1) Main Office, Calipahan, Talavera, Nueva Ecija, by and between:

The **NUEVA ECIJA II ELECTRIC COOPERATIVE, INC.- AREA-1 (NEECO II AREA-1)**, a Cooperative duly organized and existing under and by virtue of the laws of the Philippines, with principal office at Brgy. Calipahan, Talavera, Nueva Ecija, represented by its General Manager ENGR. NELSON M. DELA CRUZ hereinafter referred to as the "CLIENT";

- and -

\_\_\_\_\_, a Corporation duly organized and existing under Philippine laws, with office address \_\_\_\_\_ represented by its \_\_\_\_\_, herein referred to as the "SUPPLIER/CONTRACTOR";

#### WITNESSETH:

- 1) That, the CLIENT thru the Bids and Awards Committee (BAC) has bid for the **Construction of MCO Multi Purpose Building** (the "Project") that was further awarded to the SUPPLIER/CONTRACTOR \_\_\_\_\_, as duly approved by the Board of Directors under Resolution No. \_\_\_\_\_;
- 2) That, the principal features of the works to be done under this Contract includes but not limited to the following scope of works, to wit:

NOWTHEREFORE, for and in consideration of the foregoing premises the parties hereto agree on the following terms and conditions, to wit:

1. The contract price shall be \_\_\_\_\_ inclusive of VAT. The required down payment shall be made upon the written request of the supplier/contractor, and after the supplier/contractor's mobilization of materials. The balance shall be by progress payments based on the estimated amount of work satisfactorily completed by the SUPPLIER/CONTRACTOR and accepted by the CLIENT for every progress billing; payable within thirty (30) days after issuance of Sales Invoice;
2. Progress payments/ billings are subject to ten percent (10%) retention of the billings to answer for any uncorrected/ discovered defects and third party liabilities and may be released within thirty (30) days after the discovered defects in the project has been corrected and in lieu thereof, shall post a Guarantee Bond equivalent to five percent (5%) of the Contract Price; to be valid within the warranty period;
3. The CLIENT shall, upon written request of the SUPPLIER/ CONTRACTOR, and after the SUPPLIER/CONTRACTOR'S mobilization of materials, shall make a down payment equivalent to 15% of the contract price;
4. The SUPPLIER/CONTRACTOR will post a Performance Security Bond in the amount of \_\_\_\_\_, equivalent to 5% of the supplier/contractor's Bid Price which is to be returned to the Supplier not later than thirty (30) days following the date of the issuance of the Certificate of Completion of the supplier/contractor's Performance under the Contract and the formal request of the supplier/contractor;



5. The SUPPLIER/CONTRACTOR agrees and binds itself to fully and faithfully provide for its accounts all provisions necessary in the completion of the \_\_\_\_\_ within \_\_\_\_\_ Working days; from acceptance of Notice to Proceed;
6. Time is an essential feature of this contract in the event that the SUPPLIER/CONTRACTOR fails to complete the **Construction of MCO Multi Purpose Building** within the stipulated time of \_\_\_\_ (\_\_) working days, inclusive of any granted extension of time, the SUPPLIER/CONTRACTOR shall pay the CLIENT, as liquidated damages for its calendar day of delay; as described in the following section;
7. In the event that the SUPPLIER/CONTRACTOR fails to complete the project within the stipulated time inclusive of the granted extension of time, if any, the supplier shall pay the CLIENT, as **Liquidated Damages** for its calendar day of delay, an amount using the following formula under the NEA Revised Procurement Guidelines:

For procurement of goods, services and infrastructure projects, the amount of liquidated damages shall be at least equal to 1/10 of 1% (.001) of the cost of the unperformed portion of the contract for every day of delay. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, the contract shall be rescinded without prejudice to other courses of action and remedies to be undertaken.

8. In the event of a delay in work caused by fortuitous events or force majeure, the supplier/contractor may request for an extension of time, in writing, within three (3) days following the occurrence of the cause of delay. The grant of extension, which shall also be in writing, may not be unreasonably withheld. It shall be understood that the approval of the request for extension of time shall not be construed as to automatically entitle the supplier/contractor to a cost adjustment;
9. The SUPPLIER/CONTRACTOR shall exert its best efforts to execute its obligations under the contract in accordance to all the documents made to form part of this contract;
10. The SUPPLIER/CONTRACTOR shall guarantee the quality of all materials it will supply, deliver and use in the **Construction of MCO Multi Purpose Building** and shall make good all defect/s attributable to the quality of materials and workmanship which may be discovered within one (1) year reckoned from the date of issuance of certificate of completion;
11. The SUPPLIER/CONTRACTOR shall issue a Guarantee Bond in the form of Manager's Check equivalent to Five Percent (5%) of the contract price to serve as warranty against defective works and materials for a period of one (1) year reckoned from the date of Final Inspection and Acceptance. The Guarantee Bond shall be released at the end of the guarantee period provided there are no pending reservations for its release. Thereafter, the SUPPLIER/CONTRACTOR is relieved of all obligations under the Contract;
12. The SUPPLIER/CONTRACTOR shall not assign, in whole or in part, its obligations to perform under the Contract, except with the CLIENT'S prior written consent. The SUPPLIER/CONTRACTOR shall notify the CLIENT in writing of all subcontract awards under the contract. Such notification shall not relieve the Supplier from any liability or obligation under the Contract;
13. The SUPPLIER/CONTRACTOR obligates to comply with the provisions of the existing laws, executive and administrative orders and rules and regulations issued or to be issued pertinent to **Construction of MCO Multi Purpose Building Vehicles**.
14. The CLIENT shall have the rights to automatically terminate the contract in the event that the SUPPLIER/CONTRACTOR incurs unjustified delays;
15. In case of litigation arising out of this contract, the parties hereto agree that its venue shall be in the proper court in Nueva Ecija, under the laws of the Philippines.

IN WITNESS WHEREOF, the parties have hereunto signed this contract on the date and place first above written.

NUEVA ECIJA II ELECTRIC  
COOPERATIVE, INC.- Area-1  
(NEECO II AREA-1)

By:

By:

ENGR. NELSON M. DELA CRUZ  
General Manager

President/General Manager

Signed in the presence of:

ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES    }  
Municipality of Talavera        } S.S.  
Province Of Nueva Ecija        }

BEFORE ME, a Notary Public within and for \_\_\_\_\_, Philippines, this \_\_\_\_\_ day of \_\_\_\_\_, 2024, personally appeared ENGR. NELSON M. DELA CRUZ exhibiting his valid identification cards, known to me as the same persons who executed the foregoing instrument and acknowledged to me that the same is his free act and deed as well as free act and deed of the Cooperative which he respectively represent.

This Agreement is consisting of seven (7) pages including the page, on which this Acknowledgement is written, with each and every page duly signed by the parties and their instrumental witnesses.

WITNESS MY HAND AND SEAL on the date and place above written.

Doc. No.; \_\_\_\_\_  
Page No.; \_\_\_\_\_  
Book No.; \_\_\_\_\_  
Series of 2023

FORM 7: PERFORMANCE SECURITY

TO : (Name of COOPERATIVE)

WHEREAS, \_\_\_\_\_ (Name of Contractor) hereinafter called "the CONTRACTOR" has undertaken, in pursuance of Contract No. dated \_\_\_\_\_, 20\_\_\_\_ to construct (Description of Project) hereinafter called "the CONTRACT";

AND WHEREAS it has been stipulated by you in the said contract that the CONTRACTOR shall furnish you with a Bank Guarantee by recognized bank for the sum specified therein as a security for compliance with the CONTRACTOR's performance obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the CONTRACTOR a Guarantee;

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the CONTRACTOR, up to a total of (Amount of the Guarantee in words and figures) and we undertake to pay you, upon your first written demand declaring the CONTRACTOR to be in default under the Contract and without cavil or argument, any sum of sums within the limits of (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Signature and seal of the Guarantors

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FORM 8: DEVIATIONS

Reference to the Specifications	Requirements of Specifications	Detailed Description of the Deviations from the Specifications

FORM 9: ACKNOWLEDGEMENT RECEIPT

BACKGROUND

As the results of the innovative of NEECO II-Area 1’s procurement process and \_\_\_\_\_ policy, the Bids and Awards Committee (BAC), releases copies of bidding documents in soft copy through electronic data.

BIDDER’S INFORMATION

\_\_\_\_\_  
(Bidder/Company Name), an entity duly organized and existing under and by virtue of the laws of the Republic of the Philippines, with office address at \_\_\_\_\_  
(Bidder/Company Address), represented by its  
(Name of Bidder’s Representative and designation) hereinafter referred to as the “BIDDER”

ACCEPTANCE OF BIDDING DOCUMENTS

That we, \_\_\_\_\_  
(Bidder/Company Name) hereby confirm the receipt of the copy of bidding documents for the **Construction of MCO Multi Purpose Building** in soft copy form.

Whereby, in cases of any inconsistency or discrepancy on the contents of bidding documents between the copy of the Bidders and the original copy secured from NECCO II-Area 1, the contents of the original copy shall prevail.

CONFORME:

\_\_\_\_\_  
(Printed Name & Signature of Duly Authorized Representative)

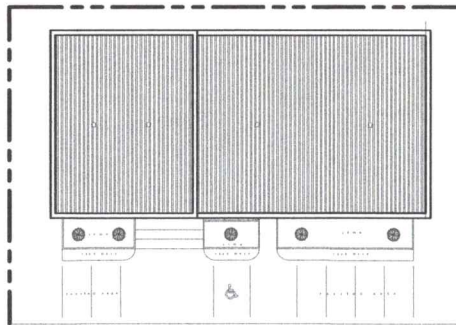
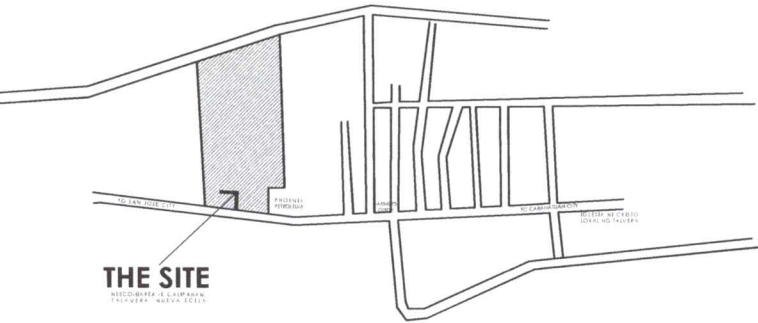
DATE: \_\_\_\_\_



### SECTION VI. TECHNICAL SPECIFICATION

#### TABLE OF CLAUSES

CLAUSE NUMBER	TOPIC	PAGE NUMBER
1.0	Terms of Reference	VI-1



REPUBLIC OF THE PHILIPPINES  
OFFICE OF THE BUILDING OFFICIAL

LAND USE AND ZONING

LINE AND GRADE

ARCHITECTURAL

CIVIL/STRUCTURAL

ELECTRICAL

MECHANICAL

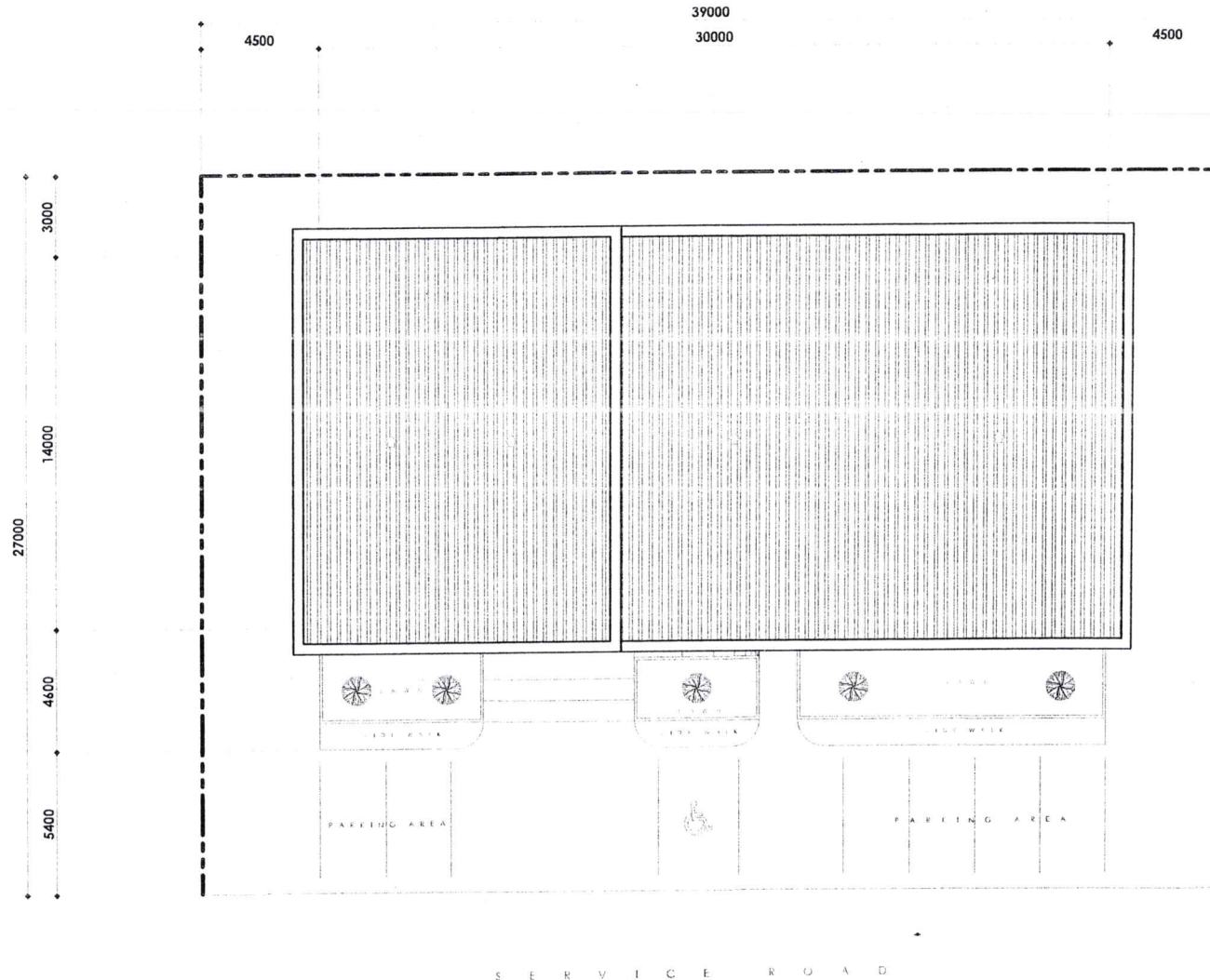
SANITARY

PLUMBING

ELECTRONICS

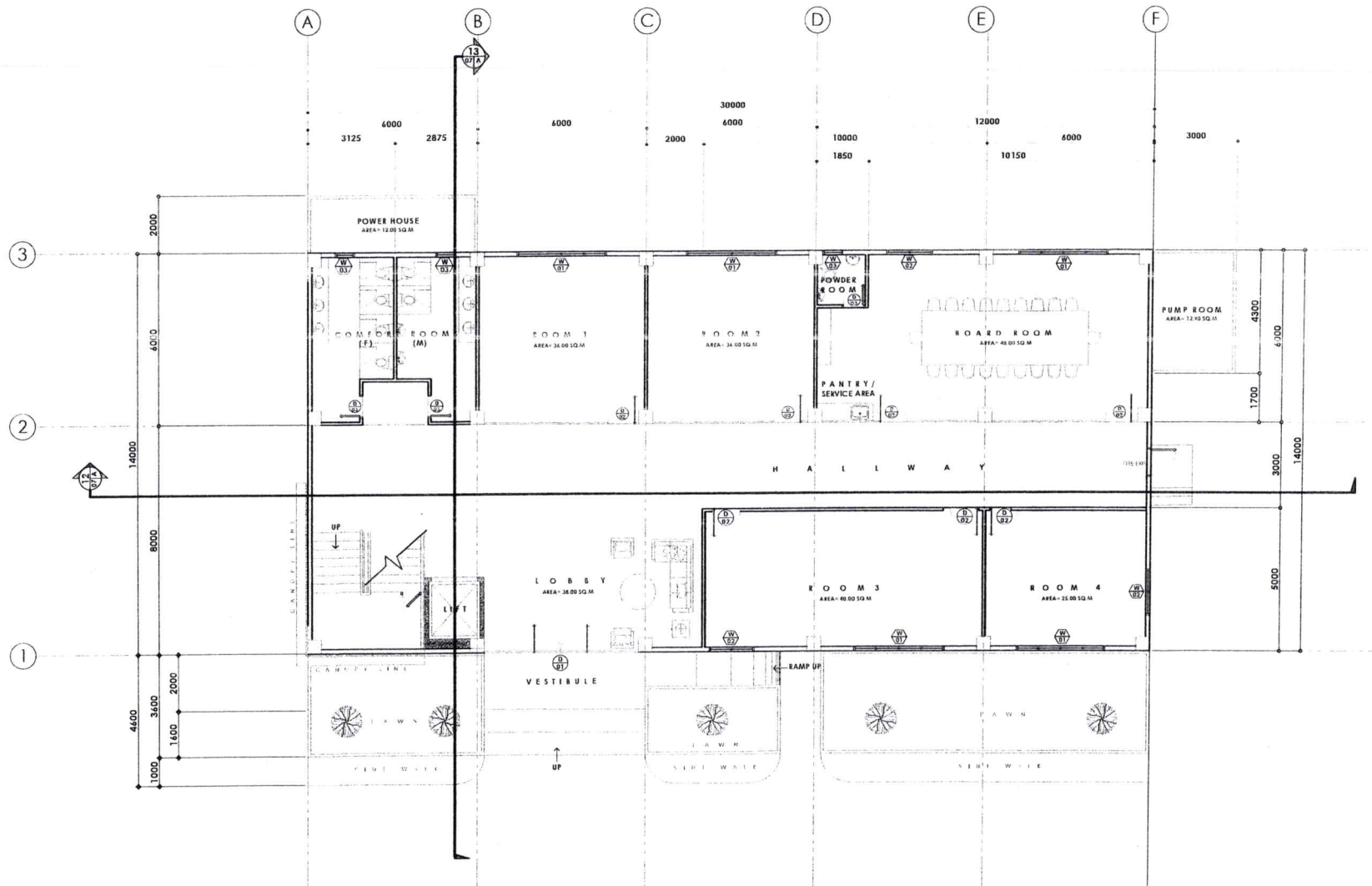
GEODETIC ENGINEER

ISSUED BY:	REG. NO.:	IMPORTANT! Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said documents.	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
ARCHITECT	DATE:		NEECO-II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECJA	PERSPECTIVE VICINITY MAP SITE DEV. PLAN	A-01
d.vi ARCHITECTURAL DESIGN SERVICES	PTR NO.:				CADD BY: dvi	DATE: 2023.07.10
[044]456-9144   +63 917-705-0884 Sta. Arcadia, Cabañatuan City, Nueva Ecja	DATE:					
	TIN NO.:					
	PLACE:	All architects shall incorporate this provision in all contract documents and other instruments of service.				



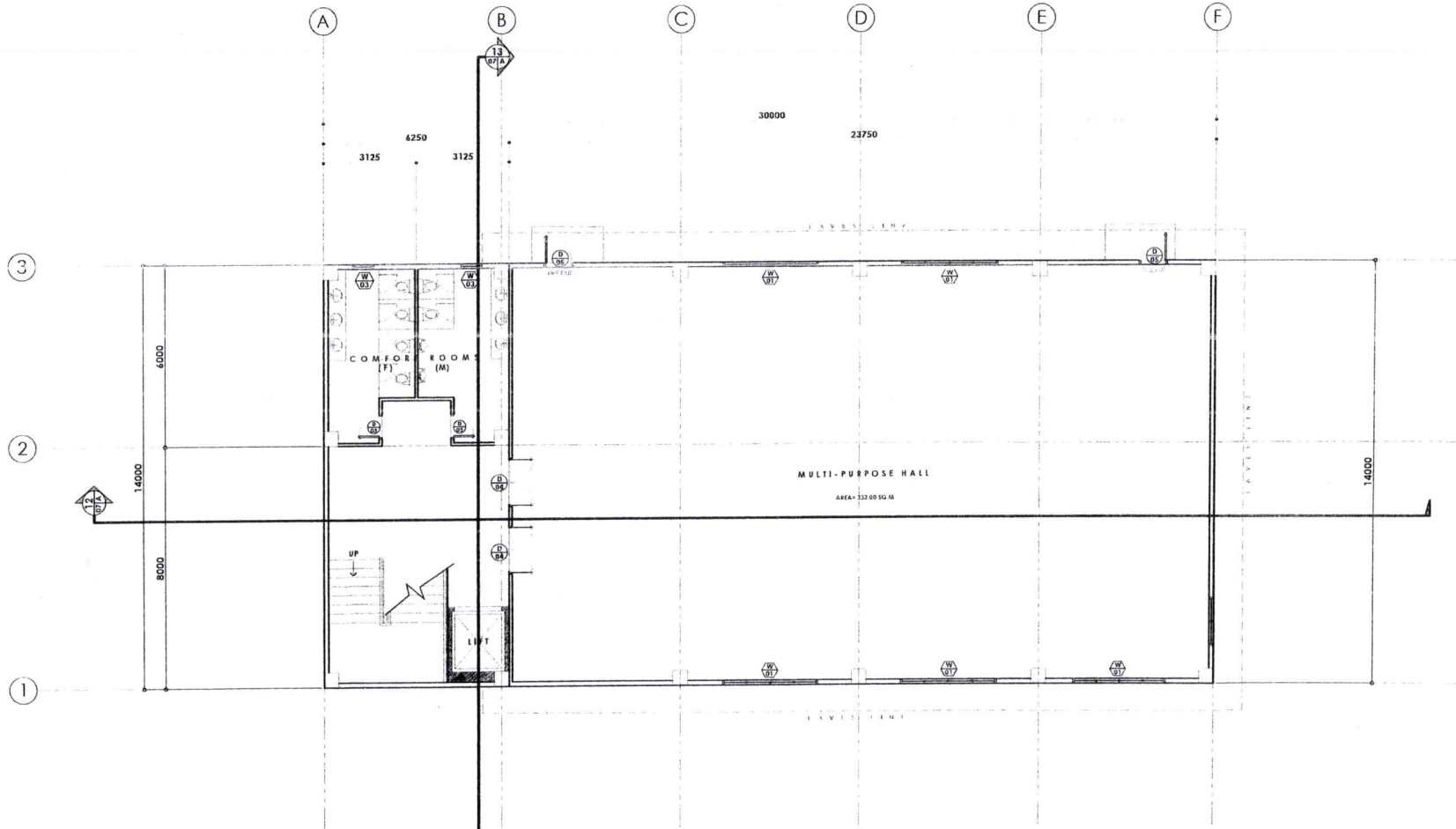
PROPOSED THREE-STOREY BUILDING  
**SITE DEVELOPMENT PLAN**  
 0.4 SCALE 1:100 NAT.

ISSUED BY:	REG. NO.:	<p><b>IMPORTANT:</b> Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the subject for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of said or other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said documents.</p> <p>All architects shall incorporate this provision in all contract documents and other instruments of service.</p>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
	VALID UNTIL:				FLOOR PLANS	<b>A-02</b>
	PTR NO.:					
	DATE:					
ARCHITECT	TIN NO.:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECUA	CADD BY: DVI	DATE: 2023.07.10
d.vi ARCHITECTURAL DESIGN SERVICES [044]456-9166   +63 917-705-0884 Sta. Arcadia, Cabanatuan City, Nueva Ecija	PLACE:					



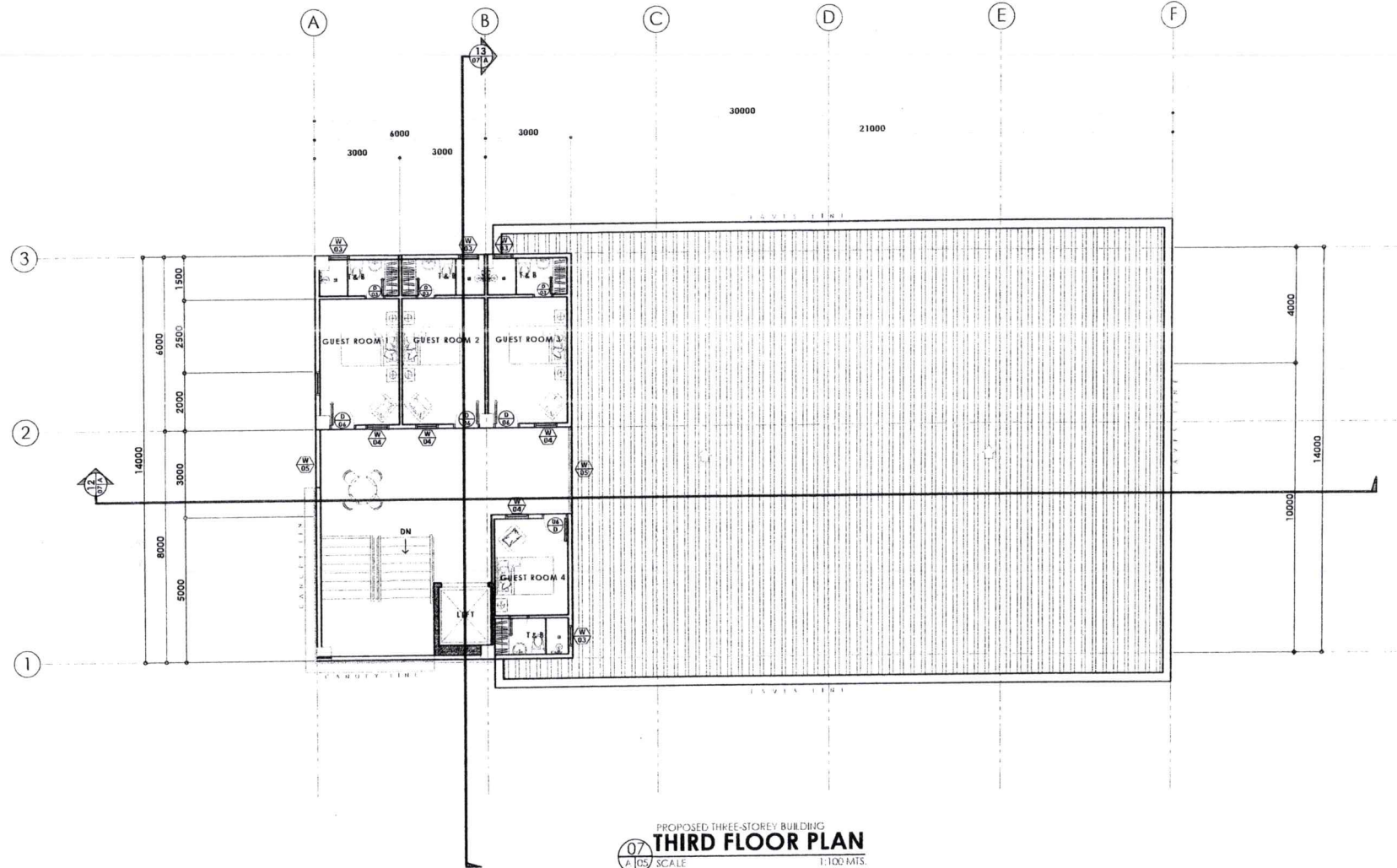
PROPOSED THREE-STOREY BUILDING  
**GROUND FLOOR PLAN**  
 05 SCALE 1:100 (ATS)

ISSUED BY:	REG. NO.:	<p><b>IMPORTANT:</b> Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the execution of any other project or building, whether executed partly or in whole, without the written consent of the architect or author of said documents.</p> <p>All architects shall incorporate the provision in all contract documents and other instruments of service.</p>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
	VALID UNTIL:				FLOOR PLANS	<b>A-03</b>
	PTR NO.:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECUA		
	DATE:					
<p><b>d.vi</b> ARCHITECTURAL DESIGN SERVICES</p> <p>(044) 454-9164   +63 917-705-0884          Sta. Arcadia, Cabañatuan City, Nueva Ecija</p>	TIN NO.:				CADD BY: DVI	DATE: 2023.07.10

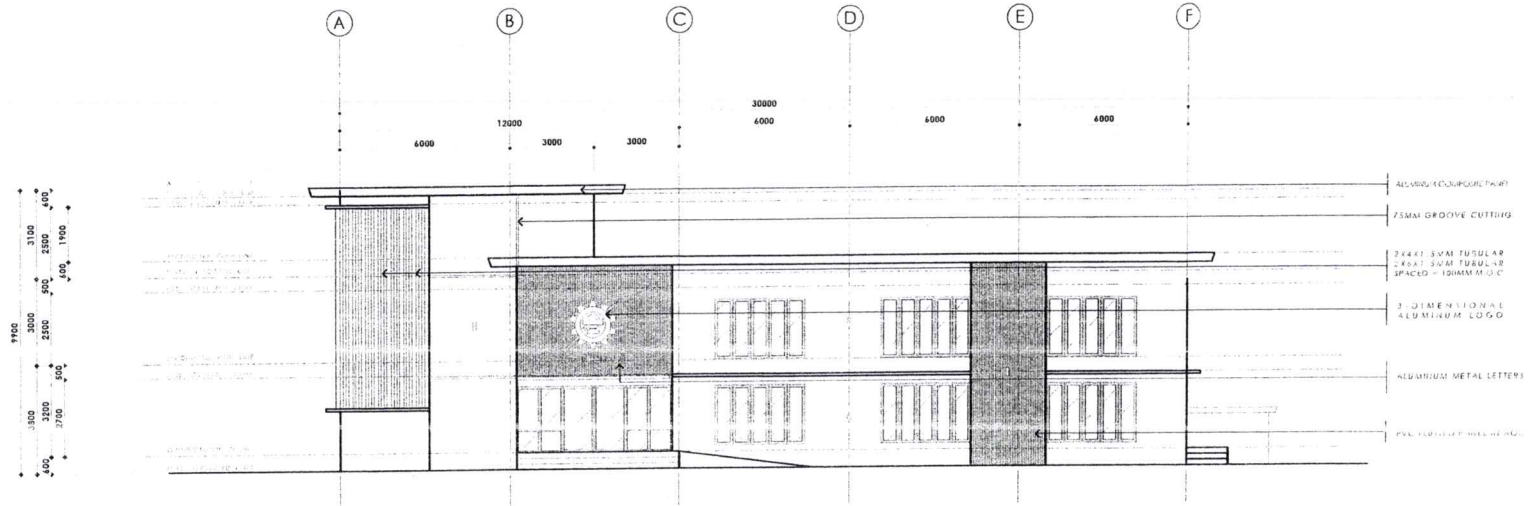


PROPOSED THREE-STOREY BUILDING  
**SECOND FLOOR PLAN**  
 0.6 SCALE 1:100 IATS.

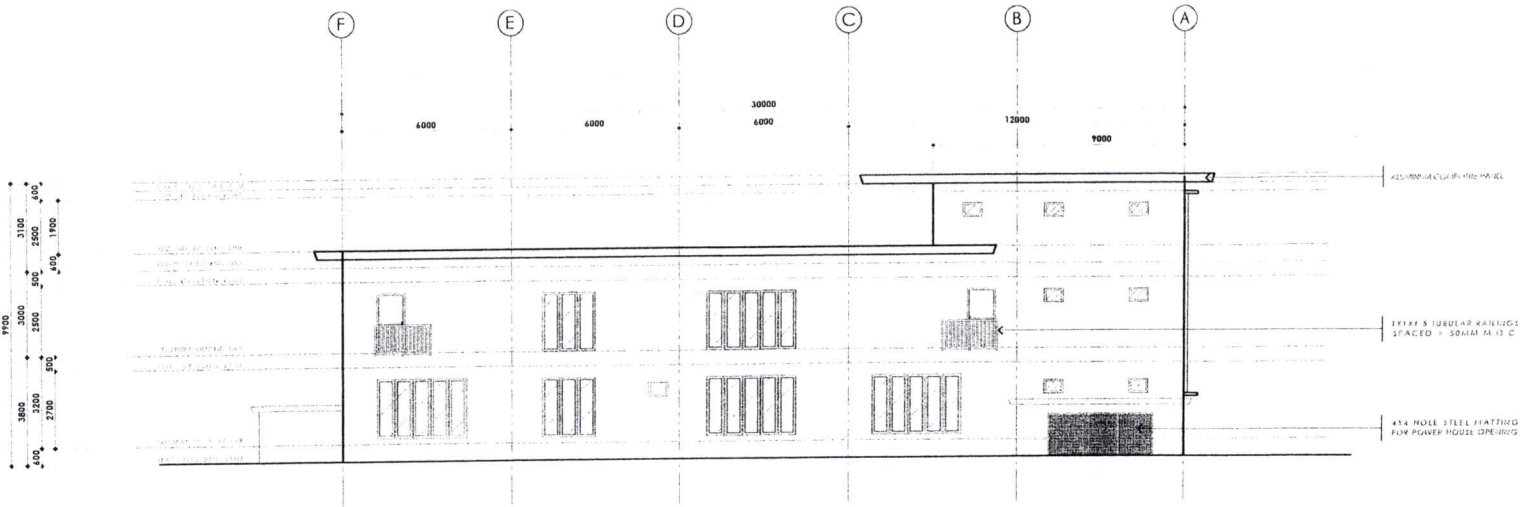
ISSUED BY:	REG. NO.:	<small>IMPORTANT: Drawings and specifications and other contract documents shall remain the property of the architect. No part of this drawing shall be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the written consent of the architect or author of said documents.</small>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
	VALID UNTIL:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECIJA	FLOOR PLANS	<b>A-04</b>
	PTR NO.:					
	DATE:					
ARCHITECT <b>d.vi</b> ARCHITECTURAL DESIGN SERVICES <small>(044) 456-9144   +3 917-705-0884          Sta. Arcadio, Cabanatuan City, Nueva Ecija</small>	TIN NO.:				CADD BY: DVI	DATE: 2023.07.10
	PLACE:	<small>All architects shall incorporate this provision in all contract documents and other instruments of service.</small>				



ISSUED BY:	REG. NO.:	<small>IMPORTANT: Drawings and specifications and other contract documents shall be signed, stamped or sealed, as instruments of service, as the intellectual property and documents of the architect, whether the stamp or seal, they are made in pencil or not. It shall be voided for any person to duplicate or to make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said documents.</small>  <small>All architects shall incorporate this provision in all contract documents and other instruments of service.</small>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
ARCHITECT	VALID UNTIL:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECUA	FLOOR PLANS	<b>A-05</b>
	PTR NO.:					
	DATE:					
	TIN NO.:					
d.v. ARCHITECTURAL DESIGN SERVICES [044] 454-1144   +63 917-705-0844 Sta. Arcadia, Cabanatuan City, Nueva Ecija	PLACE:				CADD BY: DVI	DATE: 2023.07.10

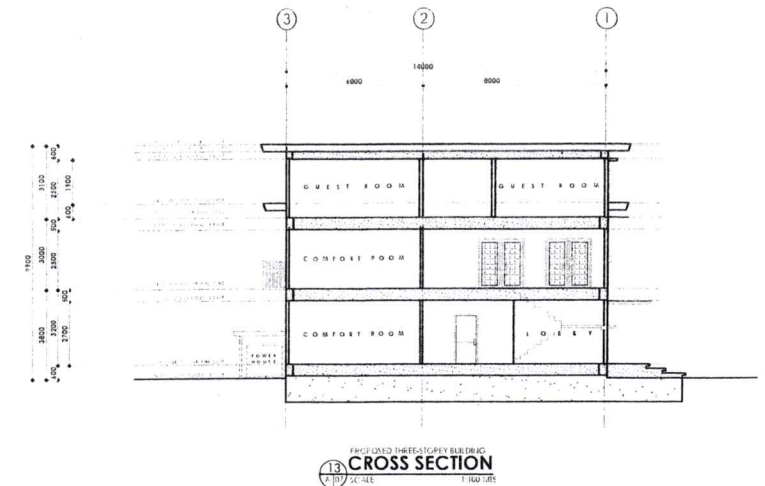
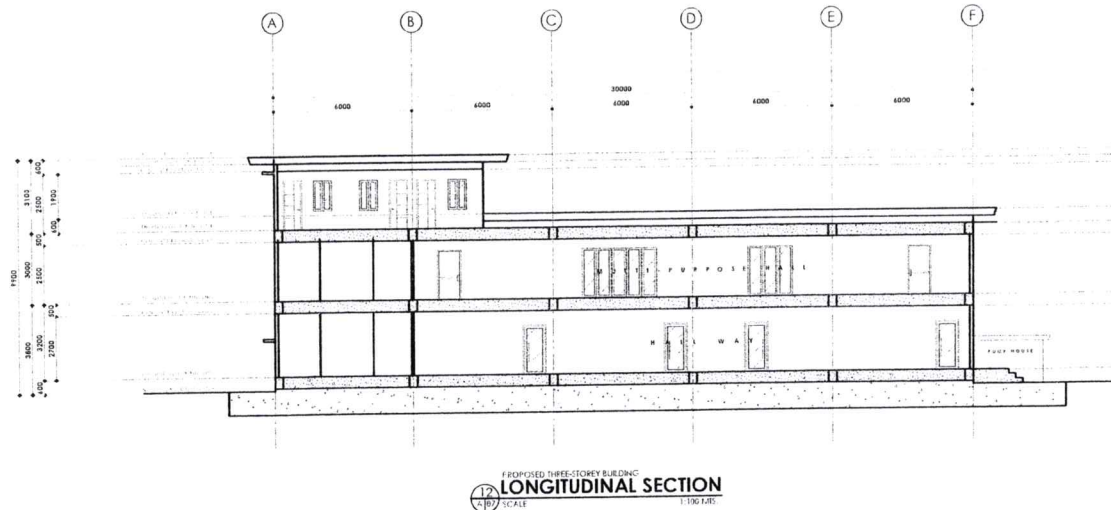
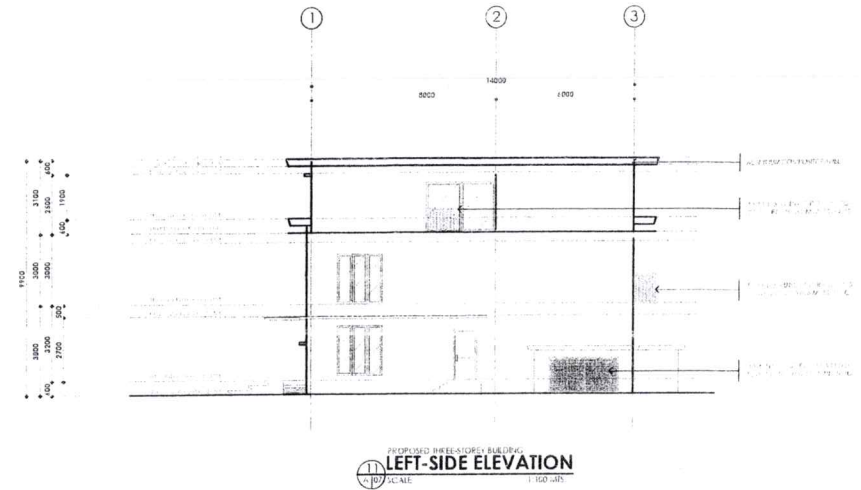
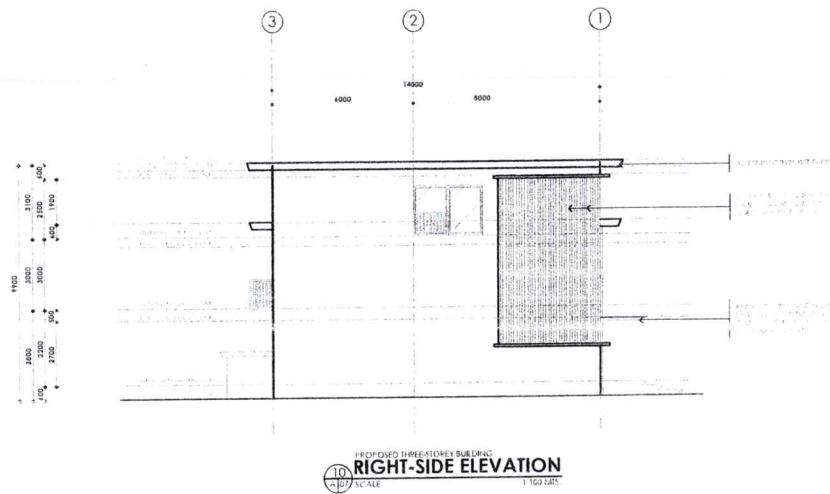


PROPOSED THREE-STOREY BUILDING  
08  
A 1/50 SCALE 1:100 MTS.

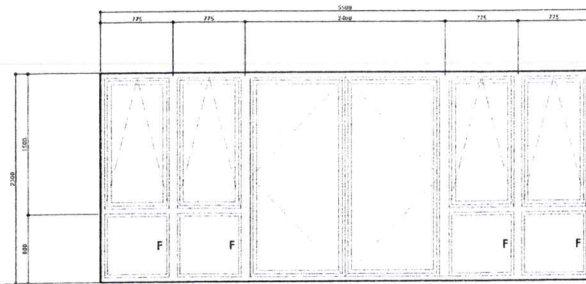


PROPOSED THREE-STOREY BUILDING  
09  
A 1/50 SCALE 1:100 MTS.

ISSUED BY:	REG. NO.:	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
ARCHITECT	VALID UNTIL:	NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECUIA	ELEVATIONS	A-06
d.vi ARCHITECTURAL DESIGN SERVICES	PTR NO.:			CADD BY: D.VI	DATE: 2023.07.10
(044)456-9144   +63 917-705-0884 Sta. Acadia, Cabanatuan City, Nueva Ecija	DATE:				
	TIN NO.:				
	PLACE:				

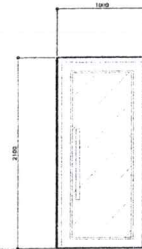


ISSUED BY:	REG. NO.:	<p><b>IMPORTANT:</b> Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the subject for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the execution of any other project or building, whether executed partly or in whole, without the written consent of the architect or author of said documents.</p> <p>All architects shall incorporate this provision in all contract documents and other instruments of service.</p>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
	VALID UNTIL:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECIIJA	ELEVATIONS SECTION	A-07
ARCHITECT	PTR NO.:					
d.vi ARCHITECTURAL DESIGN SERVICES	DATE:				CADD BY: D.VI	
[044]456-Y166   +63 917-705-0884 Sta. Arcadio, Cabanatuan City, Nueva Ecija	TIN NO.:				DATE: 2023.07.10	
	PLACE:					



D  
01

D-1: (1 SET) (5.50 X 2.10M)  
TYPE: SINGLE SWING DOOR  
MATERIALS: ALUMINUM, GLASS  
LOCATION: MAIN DOOR



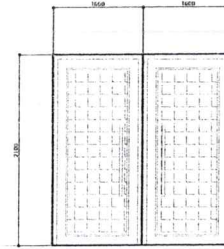
D  
02

D-2: (7 SETS) (1.00 X 2.10M)  
TYPE: SINGLE SWING DOOR  
MATERIALS: ALUMINUM, GLASS  
LOCATION: OFFICES



D  
03

D-3: (4 SETS) (0.80 X 2.10M)  
TYPE: SINGLE SWING DOOR  
MATERIALS: PANEL DOORS  
LOCATION: COMFORT ROOMS



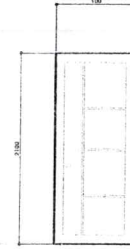
D  
04

D-4: (2 SETS) (2.00 X 2.10M)  
TYPE: DOUBLE SWING DOOR  
MATERIALS: PANEL, UPHOLSTERED  
LOCATION: MULT-PURPOSE HALL



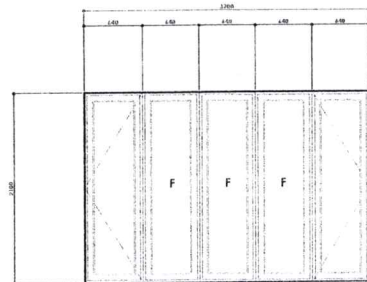
D  
05

D-5: (3 SETS) (1.00 X 2.10M)  
TYPE: SINGLE SWING DOOR  
MATERIALS: STEEL DOOR  
LOCATION: FIRE EXITS



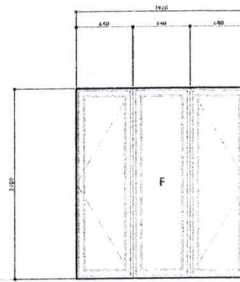
D  
06

D-6: (4 SETS) (0.90 X 2.10M)  
TYPE: SINGLE SWING DOOR  
MATERIALS: PANEL DOORS  
LOCATION: GUESTS ROOMS



W  
01

W-1: (10 SETS) (3.20 X 2.10M)  
TYPE: CASEMENT, FIXED  
MATERIALS: ALUMINUM, GLASS  
LOCATION: MAIN DOOR



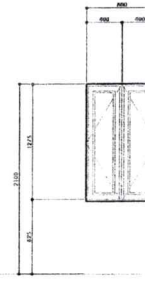
W  
02

W-2: (3 SETS) (1.92 X 2.10M)  
TYPE: CASEMENT, FIXED  
MATERIALS: ALUMINUM, GLASS  
LOCATION: MAIN DOOR



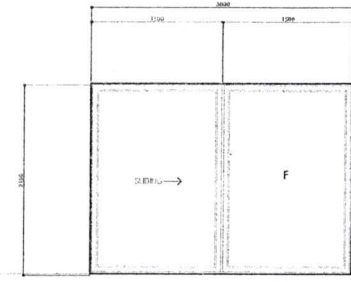
W  
03

W-3: (8 SETS) (0.70 X 0.50M)  
TYPE: AWNING  
MATERIALS: ALUMINUM, GLASS  
LOCATION: MAIN DOOR



W  
04

W-4: (4 SETS) (0.80 X 1.27M)  
TYPE: CASEMENT  
MATERIALS: ALUMINUM, GLASS  
LOCATION: MAIN DOOR



W  
05

W-5: (2 SETS) (3.00 X 2.10M)  
TYPE: SLIDING  
MATERIALS: ALUMINUM, GLASS  
LOCATION: THIRD FLOOR

PROPOSED THREE-STOREY BUILDING  
**SCHEDULE OF DOORS & WINDOWS**  
SCALE 1:100 MTS.

ISSUED BY:	REG. NO.:	<p><b>BEFORE:</b> Drawings and specifications and other contract documents shall be signed, stamped or sealed, on instruments of service, use the intellectual property and documents of the architect, whether the subject for which they are made is executed or not. It shall be voided for any person to duplicate or to make copies of said documents for use in the execution of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said documents.</p> <p>All architects shall incorporate the provision in all contract documents and other instruments of service.</p>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
ARCHITECT	VALID UNTIL:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECJA	SCHEDULE OF DOORS AND WINDOWS	A-08
d.vi ARCHITECTURAL DESIGN SERVICES	PTR NO.:				CADD BY: D.VI	DATE: 2023.07.10
(044)456-11641 • 43 117-705-0884 Sta. Arcadia, Cabanatuan City, Nueva Ecja	DATE:					
	TIN NO.:					
	PLACE:					

# STRUCTURAL NOTES

## A. GENERAL NOTES

- GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS SHALL APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED.
- FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT FOR SIMILAR CONDITIONS. MODIFY TYPICAL DETAILS AS REQUIRED TO MEET SPECIAL CONDITIONS.
- THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK OR DURING CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST APPLICABLE STANDARDS OR SPECIFICATIONS. ALL WORKS SHALL CONFORM WITH THE BEST PRACTICE PREVAILING IN THE VARIOUS TRADES.
- INSPECTION - ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER/ARCHITECT. THE ENGINEER/ARCHITECT SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.
- UNLESS SPECIFICALLY DETAILED ELSEWHERE, CONTRACTOR SHALL FOLLOW TYPICAL DETAILS AS SHOWN IN THESE DRAWINGS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO INSURE THE INSTALLATION OF ALL WORK WITHIN THE AVAILABLE SPACE.
- DO NOT SCALE DRAWINGS, CALLED-OUT DIMENSIONS AND STANDARD CODE REQUIREMENTS SHALL GOVERN OVER UNSCALED DRAWINGS.
- SPECIAL NOTE: DIMENSIONS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. ARCHITECTURAL DRAWINGS SHALL BE USED TO DEFINE DETAIL CONFIGURATIONS, ELEVATIONS, OPENINGS, JOINTS, SLOPES, ETC.
- THE CONTRACTOR IS GIVEN THE OPTION TO UTILIZE ALTERNATIVE METHODS OF DESIGN AND ALTERNATIVE METHOD OF CONSTRUCTION AS DEEMED SUITABLE PROVIDE THAT SUCH OPTION IS IN CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND IS COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS.

## B. REINFORCED CONCRETE NOTES

### SCHEDULE OF STRUCTURAL CONCRETE 28-DAY COMPRESSIVE STRENGTH AND TYPES

LOCATION	STRUCTURAL ELEMENTS	28-DAY COMPRESSIVE STRENGTH	DENSITY	MAX SLUMP
FOUNDATION	FOOTINGS, WALL FOOTINGS	5000 PSI= 34.5MPa	24 KPa	4"(100mm)
GROUND TO ROOF	SLAB, BEAMS	5000 PSI= 34.5MPa	24 KPa	4"(100mm)
	R.C. WALLS	1000 PSI= 7 MPa	24 KPa	4"(100mm)
	SLAB ON GRADE	3000 PSI=20.7 MPa	24 KPa	4"(100mm)

- INFORM ARCHITECT/ENGINEERS OF OTHER MISCELLANEOUS CONCRETE STRUCTURAL ELEMENTS NOT SHOWN ABOVE TO DETERMINE THEIR RESPECTIVE COMPRESSIVE STRENGTHS.

### SCHEDULE OF CONCRETE AGGREGATES

ITEMS	AGGREGATE SIZE
FOOTING TIE BEAM	3/4" ( 19 mm )
SLABS, BEAMS, COLUMNS	3/4" ( 19 mm )
R.C. WALLS, RETAINING WALLS	3/4" ( 19 mm )
CURBS & MASS CONCRETE	1" ( 25 mm )

- ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION CODE OF THE AMERICAN CONCRETE INSTITUTE (ACI 318 -91).
- LOCATION OF ALL CONSTRUCTION OR COLD JOINTS MUST BE APPROVED BY THE ENGINEER/ARCHITECT.
- PIPE OR DUCTS EXCEEDING ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.

- REINFORCING BARS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURED IN PLACE BEFORE POURING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDED ACI PRACTICE.
- IN GENERAL, THE LATEST EDITION OF ( MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES ) ACI 315, SHALL BE ADHERED TO, UNLESS SHOWN OTHERWISE.
- USE OF ADMIXTURES IS PERMITTED TO PRODUCE PROPER SLUMP AND WORKABILITY BUT SUBJECT TO THE ENGINEER'S APPROVAL ADDITION OF WATER TO CONCRETE AT JOBSITE IS NOT ALLOWED.

- BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- ALL GRADE 60 REINFORCING STEEL SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REINFORCING STEEL IF CONCURRENTLY ON SITE.
- IN GENERAL, BAR SPLICES SHALL BE MADE AT POINTS OF MINIMUM STRESS. SPLICES SHALL BE SECURELY WIRED TOGETHER. STAGGER SPLICES AT LEAST 600 MM. WHENEVER POSSIBLE IN BEAM BEAMS AND SLABS SPLICE TOP BARS AT MIDSPAN AND BOTTOM BARS NEAR SUPPORT. SPLICE OF REINFORCEMENT SHALL BE MADE ONLY AS REQUIRED OR PERMITTED ON DESIGN DRAWINGS OR AS ALLOWED BY THE ACI CODE OR AS AUTHORIZED BY THE ENGINEER.
- BARS NOTED AS "CONT." SHALL HAVE A MINIMUM SPLICE LENGTH OF 42 BAR DIAMETERS BUT NOT LESS THAN 600 MM. ", UNLESS OTHERWISE NOTED.
- REINFORCING SHALL BE SPLICED ONLY AS INDICATED ON THE DRAWINGS.
- MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE:

ITEM	COVER
CONCRETE CAST AGAINST EARTH	75 MM.
EXPOSED TO EXTERIOR OF WEATHER	40 MM.
FORMED SURFACE BELOW GRADE	50 MM.
SLAB ON GRADE	50 MM.
COLUMNS & BEAMS	35 MM.
STRUCTURAL SLABS TOP & BOT.(INTERIOR)	25 MM.

- ANY WELDING TO BE PERFORMED MUST HAVE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4-79 "AWS STRUCTURAL WELDING CODE - REINFORCING STEEL" OF THE AMERICAN WELDING SOCIETY. REINFORCING STEEL WHICH IS WELDED SHALL CONFORM TO ASTM A 706. REINFORCING STEEL NOT CONFORMING TO ASTM A 706 MAY BE USED IF MATERIAL PROPERTIES OF THE REINFORCING STEEL CONFORM TO AWS D1.4-79.
- SHOP DRAWINGS : THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL PREPARED IN ACCORDANCE WITH ACI 315, INDICATE BENDING DIAGRAM, ASSEMBLY DIAGRAM, SPLICING AND LAPS OF RODS AND SHAPES DIMENSIONS AND DETAILS FOR REINFORCING BARS.
- ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.

## C. REINFORCING STEEL

### SCHEDULE OF REINFORCING BARS

DIAMETER OF BARS	GRADE (fy)	ASTM
#12 AND SMALLER	GRADE 33 (33,000psi)	A615/A615M DEFORMED
#16 AND LARGER	GRADE 40 (40,000psi)	A615/A615M (DEFORMED)

## D. STRUCTURAL STEEL

- ALL STRUCTURAL MILL SECTIONS BUILT UP PLATE SECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC'S LATEST "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

- DESIGN CRITERIA.
- STEEL PLATES, SHAPES, BARS AND METAL FABRICATIONS: ASTM A-36.
- STRUCTURAL BOLTS AND NUTS: ASTM A-325, GALVANIZED. 7/8" AND BELOW. A-490 1" AND ABOVE.
- ELECTRODES FOR WELDING: ASTM A233 E<sub>70XX</sub> SERIES; COMPLY WITH AWS D1.1 CODE REQUIREMENTS.
- FLAME CUTTING AND WELDING SHALL BE DONE IN ACCORDANCE WITH LATEST "STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.
- ALL BUTT WELDS SHALL BE FULL PENETRATION WELDS AND SHALL BE PROPERLY BACK-CHIPPED OR GROUGED. BACK-UP PLATES SHALL BE PROVIDED AS REQUIRED.
- SHOP PAINTING FOR STRUCTURAL STEEL SHALL BE RUST INHIBITIVE PRIMER WITH MINIMUM D.F.T. OF 2.0 MILS.
- TOUCH-UP PAINTING: APPLY PAINT TO EXPOSED AREAS IN MANNER SATISFACTORY TO THE ENGINEER WITH SAME MATERIAL AS SHOP PAINT.
- COMPLY WITH AISC CODE AND SPECIFICATIONS FOR BEARING, ADEQUACY OF TEMPORARY CONNECTIONS AND ALIGNMENT.
- CONTRACTOR SHALL FURNISH COMPLETE ERECTION DRAWINGS FOR THE PROPER IDENTIFICATION AND ASSEMBLY OF ALL BUILDING COMPONENTS. THESE DRAWINGS WILL SHOW ANCHOR BOLT SETTING, PRIMARY SECONDARY, AND ROOF FRAMING, AND NECESSARY INSTALLATION DETAILS. SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION.

## E. FORMWORKS

- FORMS SHALL BE PROVIDED FOR ALL CONCRETE INDICATED UNLESS SPECIFIED OTHERWISE. FORMS SHALL BE SET TRUE TO LINE AND GRADE AND MAINTAINED SO AS TO INSURE COMPLETED WORK WITHIN THE ALLOWABLE TOLERANCES SPECIFIED AND SHALL BE MORTAR TIGHT.
- FORMS AND THEIR SUPPORTS SHALL BE DESIGNED SO AS NOT TO DAMAGE PREVIOUSLY PLACED STRUCTURE.
- NO CONSTRUCTION LOAD SHALL BE SUPPORTED ON, NOR ANY SHORING REMOVED FROM ANY PART OF STRUCTURE UNDER CONSTRUCTION EXCEPT WHEN THAT PORTION OF THE STRUCTURE IN COMBINATION WITH THE REMAINING FORMING AND SHORING SYSTEM HAS SUFFICIENT STRENGTH TO SUPPORT SAFELY ITS WEIGHT AND THE ADDITIONAL IMPOSED LOADS.
- FORMS SHALL BE REMOVED IN SUCH MANNER AS NOT TO IMPAIR SAFETY AND SERVICE ABILITY OF THE STRUCTURE.
- SCHEDULE OF STRIPPING OF FORMS NF SHORES.

ITEM	TIME
FOUNDATION	24 HRS
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	14 DAYS
COLUMN/WALLS	2 DAYS
BEAMS	14 DAYS

## E. FORMWORKS

- FORMS SHALL BE PROVIDED FOR ALL CONCRETE INDICATED UNLESS SPECIFIED OTHERWISE. FORMS SHALL BE SET TRUE TO LINE AND GRADE AND MAINTAINED SO AS TO INSURE COMPLETED WORK WITHIN THE ALLOWABLE TOLERANCES SPECIFIED AND SHALL BE MORTAR TIGHT.
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COLUMN/WALLS	2 DAYS
BEAMS	14 DAYS

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FARRO ST. PUROK 3, BRGY. 4, MA. AURORA, AURORA  
CP # 09398537602 (042) 724-6361

SERVICES OFFERED: STRUCTURAL ANALYSIS & DESIGN  
CONSTRUCTION CONSULTANCY  
PLAN ESTIMATE & CONSTRUCTION SUPERVISION  
PLOTING (LETTER, A4 & A3 SIZES)

**ENRICO A. ANGELES**

STRUCTURAL ENGINEER

PRC REG. NO. 19669/2025

ASEP ICR 2013-19666-00323

PTR NO. 9476762

DATE ISSUED: JAN 3, 2023

ISSUED AT: PTO, AURORA, AURORA

PROJECT TITLE :

CONSTRUCTION OF THREE STOREY BUILDING

LOCATION :

TALAVERA, NUEVA ECLIA

OWNER :

NEFCO II AREA 1

CAD BY :

EAA

CHECKED BY :

REVISION :



SHEET NO. :

**S1**

**01 07**

# SCHEDULE OF STRUCTURAL CONCRETE

## RC COLUMN & STEEL COLUMN SCHEDULE

COLUMN DESIGNATION	DIMENSION	SECTION	VERTICAL BARS	LATERAL TIES 10mmO	REMARKS
	mm.(a x b)				
C1	400 x 400		08 - 20mm Ø	1@50. 5@ 100, 5@ 150, rest @ 200 O.C	DOUBLE TIES
C2	450 x 450		12 - 20mm Ø	1@50. 5@ 100, 5@ 150, rest @ 200 O.C	

## RC FOOTING SCHEDULE

FOOTING DESIGNATION	L 1 mm.	L 2 mm.	t mm.	C1 mm.	C2 mm.	D1 mm.	FR 1	FR 2	GRAVEL
F1	1,500.00	1,500.00	400.00			2,000.00	13-20mmØ	13-20mmØ	75mm thk
F2	2,000.00	2,000.00	400.00			2,000.00	15-20mmØ	15-20mmØ	75mm thk

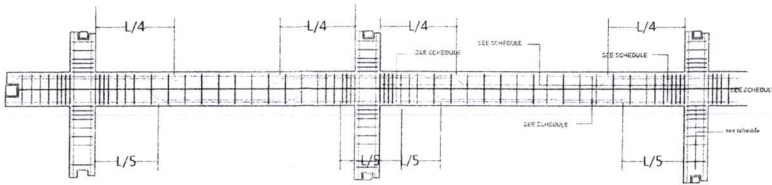
## RC BEAM & STEEL BEAM SCHEDULE

DESIGNATION	DIMENSION	REINFORCEMENTS						STIRRUPS	REMARKS
	b x d	AT LEFT SUPPORT		AT MIDSPAN		AT RIGHT SUPPORT		10mmØ	
	mm.	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM		
FTB	200 x 500	5-16mmØ	3-16mmØ	3-16mmØ	3-16mmØ	5-16mmØ	3-16mmØ	1@50. 5@ 100, 5@ 150 rest @ 200 o.c	
GFB	200 x 500	5-16mmØ	3-16mmØ	3-16mmØ	3-16mmØ	5-16mmØ	3-16mmØ		
B1	200 x 500	3-20mmØ	2-20mmØ	2-20mmØ	3-20mmØ	3-20mmØ	2-20mmØ		
B2	250 x 500	3-20mmØ	3-20mmØ	3-20mmØ	3-20mmØ	3-20mmØ	3-20mmØ		
B3	300 x 500	5-20mmØ	3-20mmØ	5-20mmØ	3-20mmØ	5-20mmØ	3-20mmØ		
B4	300 x 600	7-20mmØ	3-20mmØ	3-20mmØ	5-20mmØ	7-20mmØ	3-20mmØ		
RB	250 x 500	5-20mmØ	3-20mmØ	3-20mmØ	5-20mmØ	5-20mmØ	3-20mmØ		

MARK TYPE THK. SPECIFICATIONS

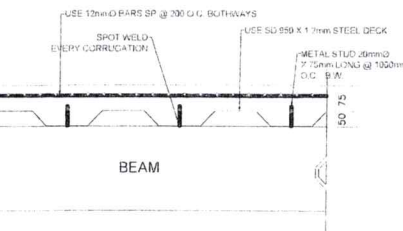
S-1 SLAB ON STEEL DECK 125mm SLAB ON WEB DECK SD950 X 1.2mm WITH Ø12mm BARS SPACED @ 250mm O.C. BOTH WAYS

S-3 SLAB ON FILL 125mm Ø12mm BARS SPACED @ 300mm O.C. BOTHWAYS

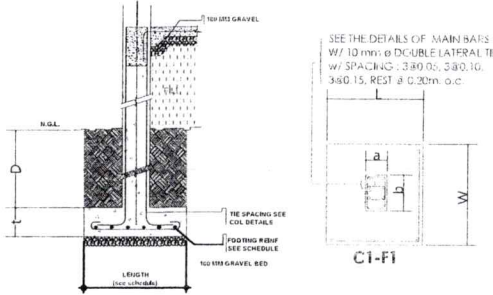


TYPICAL BEAM DETAIL

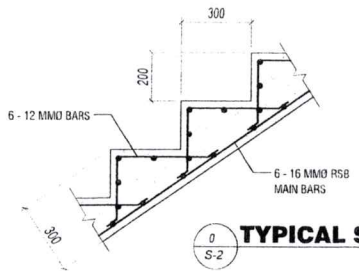
DEPTH OF BEAM



METAL DECK DETAILS CONNECTION DETAILS



TYP COL/FTG DETAIL



TYPICAL STAIR DETAIL SCALE: NTS

STAIR WAY DETAIL

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CP # 09398537602, (042) 724-5361  
SERVICES OFFERED: STRUCTURAL ANALYSIS & DESIGN  
CONSTRUCTION CONSULTANCY  
PLAN ESTIMATE & CONSTRUCTION SUPERVISION  
PLOTING (LETTER A4 & A3 SIZES)

ENRICO A. ANGELES

STRUCTURAL ENGINEER  
PRC REG NO.: 19666/2025  
PTR NO.: 9476742  
ASEP REG NO.: 2013-19666-EC323  
DATE ISSUED: JAN. 3, 2023  
ISSUED AT: PTO-AURORA, AURORA

PROJECT TITLE:

CONSTRUCTION OF THREE STOREY BUILDING

LOCATION:

TALAVERA, NUEVA ECJIA

OWNER:

NEECO II, AREA 1

CAD BY:

EAA

CHECKED BY:

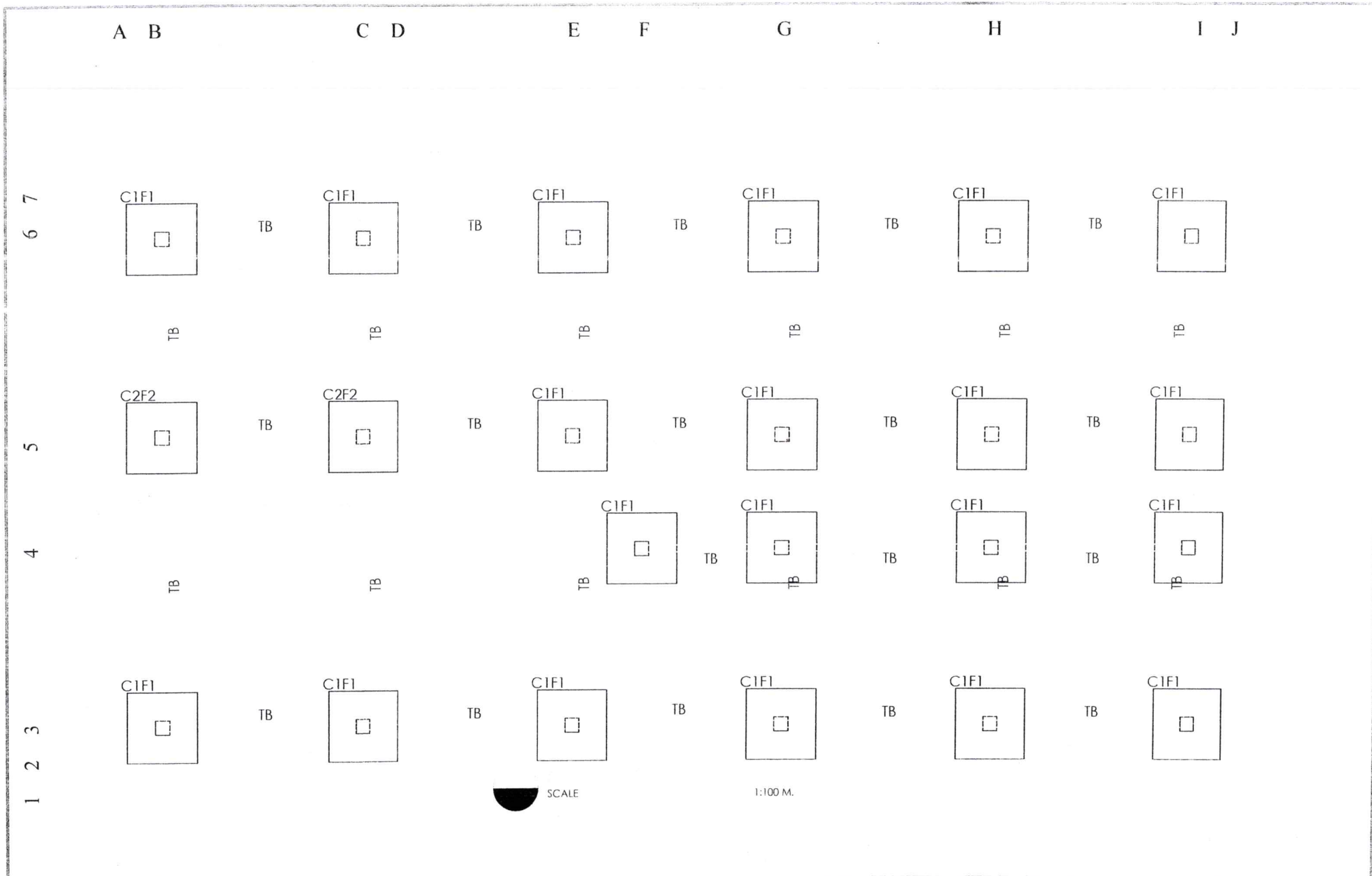
REVISION

SHEET NO.:

S2

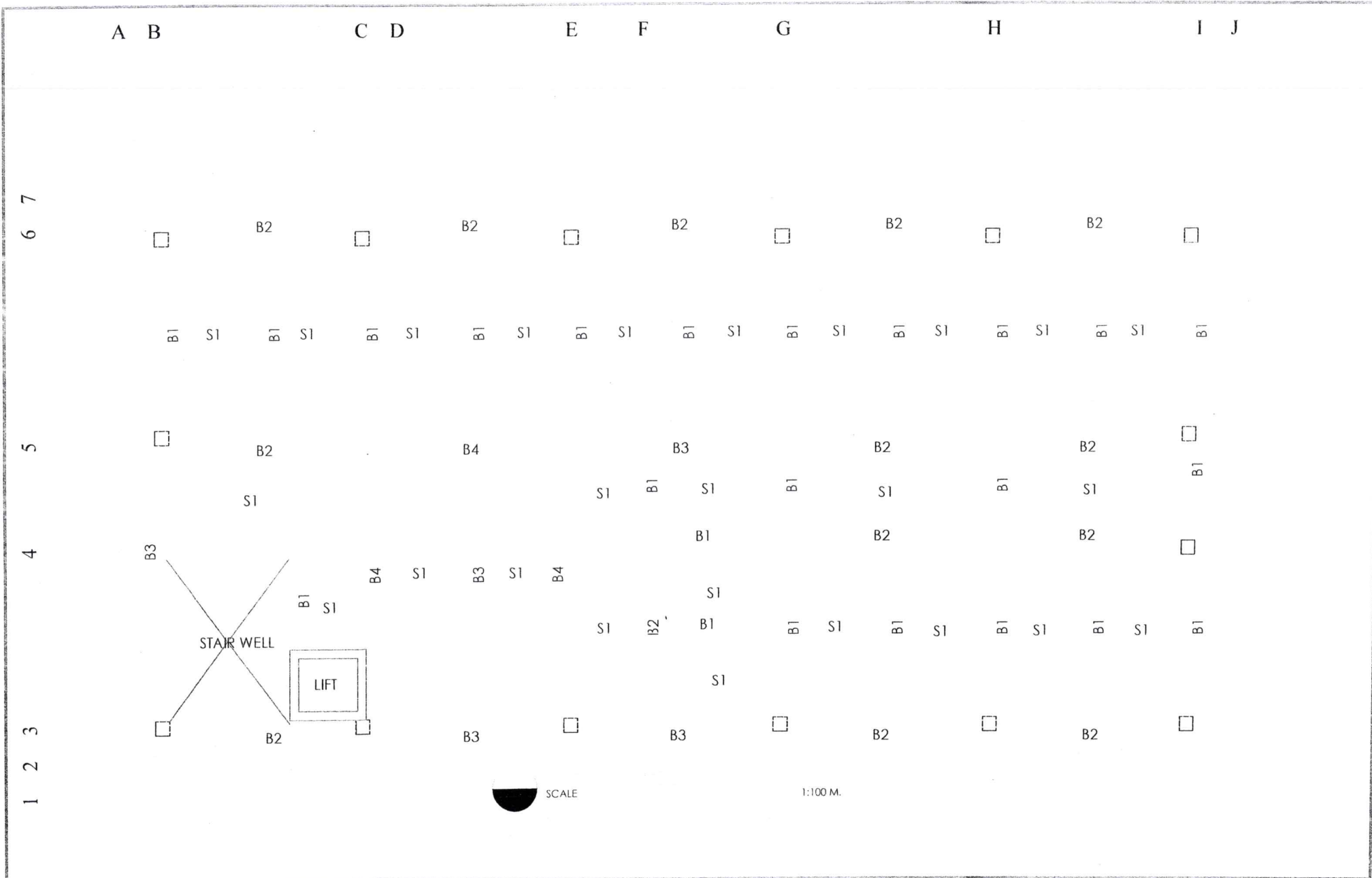
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<b>eastructural</b> structural design solutions <small>Ing. Enrique A. Angeles - Ingeniero Civil - C.R. 10.000          CP # 00308937602 (042) 724-5361</small>	 <b>ENRICO A. ANGELES</b> STRUCTURAL ENGINEER	PROJECT TITLE :		OWNER :		SHEET NO. :
		LOCATION :		CAD BY :		
		DATE ISSUED : JAN. 3, 2023		CHECKED BY :		
PRC REG. NO. 196662825 PTR NO. 9476742 ISSUED AT: PTO-AURORA, AURORA	ASEP ICF 2013-19666-CE323 DATE ISSUED: JAN. 3, 2023	TALAVERA, NUEVA ECUA		EAA		REVISION :





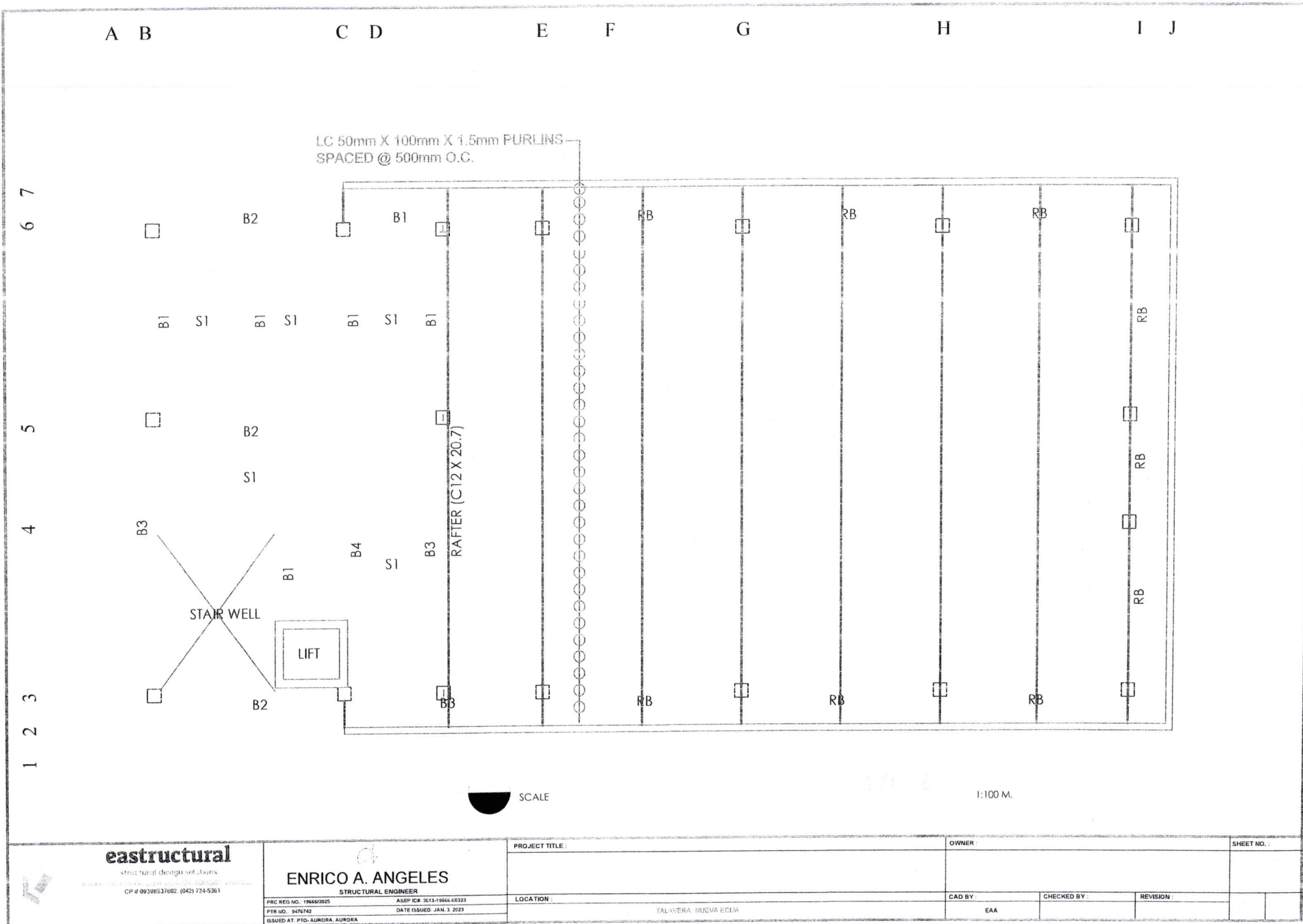
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 CONSULTORIA E INGENIERIA CIVIL  
 CP 4 09308527502 (042) 724-5261

**ENRICO A. ANGELES**  
 STRUCTURAL ENGINEER

PRC REG. NO. 19668/2025 ASEPCO 3013-19664-00323  
 PTR NO. 9476742 DATE ISSUED JAN. 3, 2023  
 ISSUED AT PTQ-AURORA, AURORA

PROJECT TITLE :		OWNER :		SHEET NO. :	
LOCATION :		CAD BY :		CHECKED BY :	
TALAVERA NUEVA ECUA		EAA		REVISION :	



A B

C D

E

F

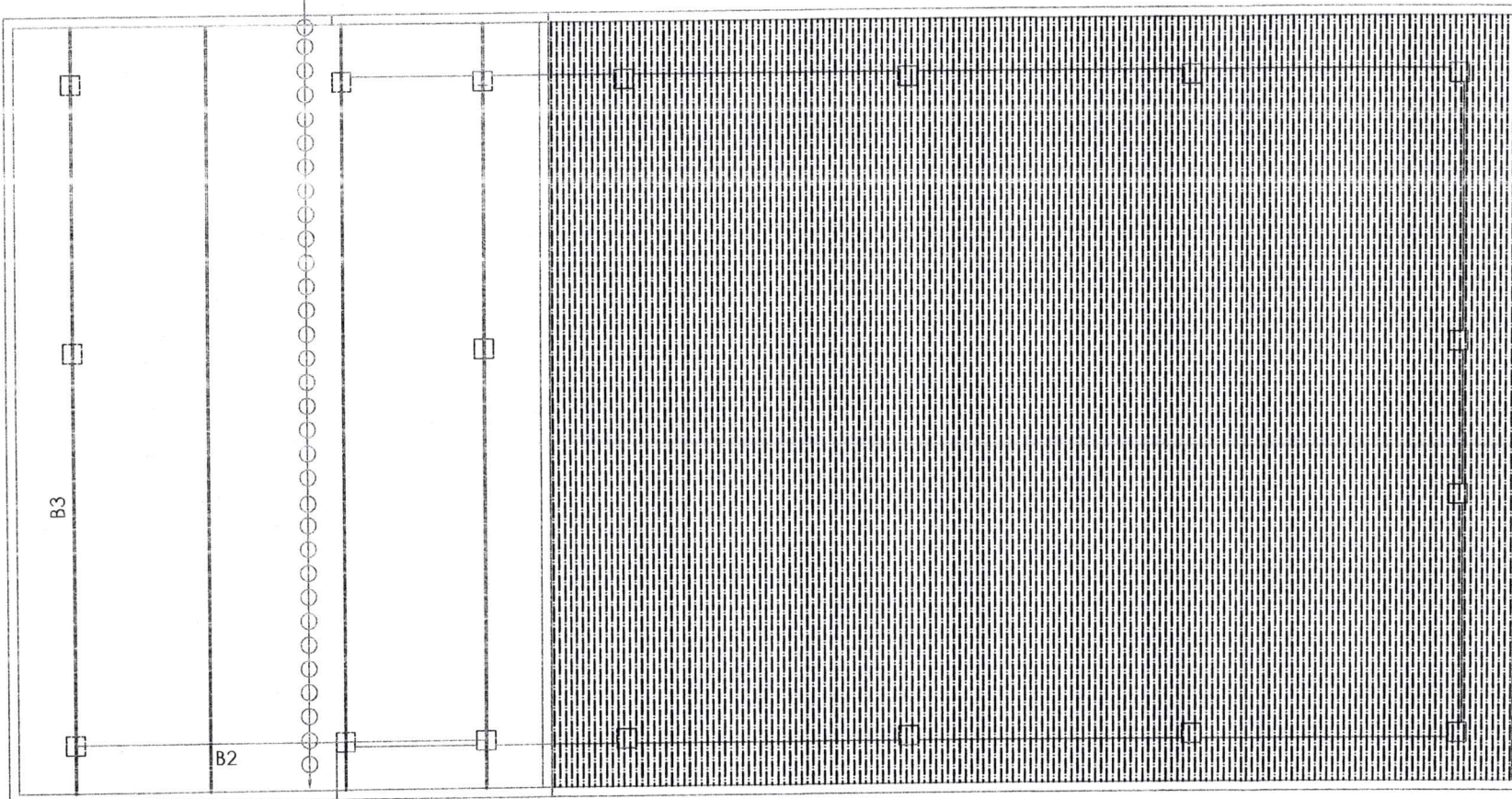
G

H

I J

LC 50mm X 100mm X 1.5mm PURLINS  
SPACED @ 500mm O.C.

1 2 3 4 5 6 7



SCALE

1:100 M.

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Proyecto: Talavera Nueva Ecija  
CP # 09298537602 (042) 724-5361

**ENRICO A. ANGELES**

STRUCTURAL ENGINEER

PRC REG NO. 19665/2025

ASEP ICW 2013-19668-00323

PTR NO. 9476742

DATE ISSUED: JAN. 3, 2023

ISSUED AT: PTD-AUHORA, AUHORA

PROJECT TITLE :

LOCATION :

TALAVERA, NUEVA ECILJA

OWNER :

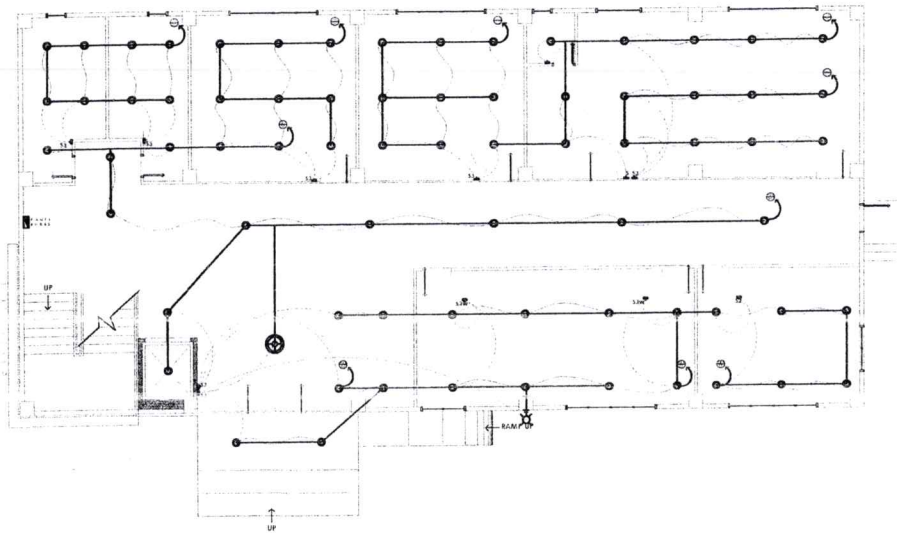
CAD BY :

EAA

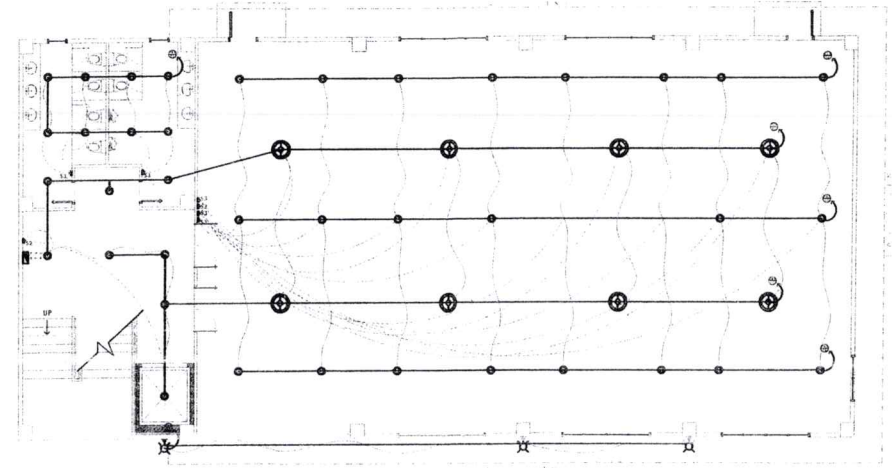
CHECKED BY :

REVISION :

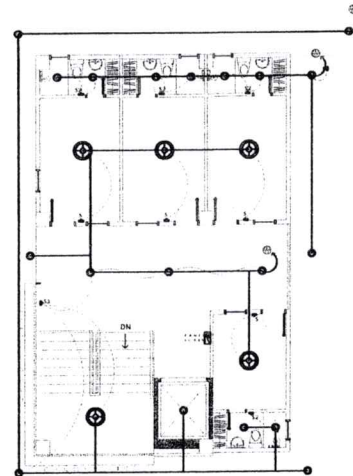
SHEET NO. :



PROPOSED THREE-STORY BUILDING  
**GROUND FLOOR LIGHTING LAY-OUT**  
 01 SCALE 1:100 MTS.

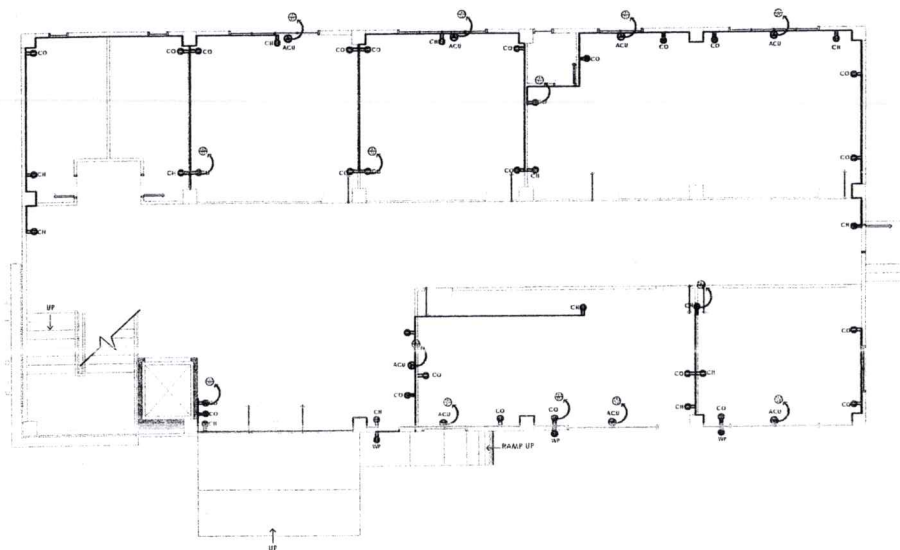


PROPOSED THREE-STORY BUILDING  
**SECOND FLOOR LIGHTING LAY-OUT**  
 02 SCALE 1:100 MTS.

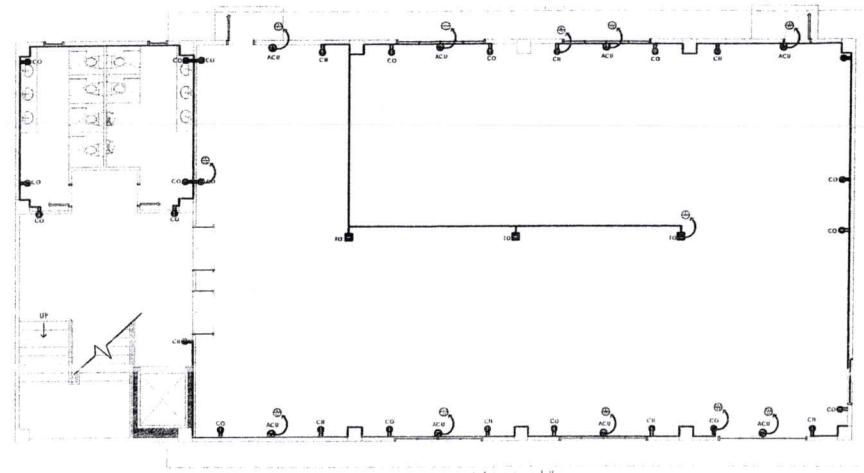


PROPOSED THREE-STORY BUILDING  
**THIRD FLOOR LIGHTING LAY-OUT**  
 03 SCALE 1:100 MTS.

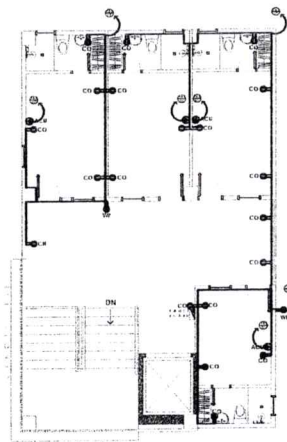
ISSUED BY:	REG. NO.:	<p><b>IMPORTANT:</b> Drawings and specifications and other contract documents duly signed, stamped or sealed, on instruments of service, are the intellectual property and documents of the architect, whether the subject for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the execution of and for other projects or buildings, whether executed partly or in whole, without the written consent of the architect or author of said documents.</p> <p>All architects shall incorporate this provision in all contract documents and other instruments of service.</p>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
PROFESSIONAL ELECTRICAL ENGINEER	VALID UNTIL:		NEECO II AREA-I	PROPOSED THREE-STORY BUILDING TALAVERA, NUEVA ECJA	LIGHTING LAY-OUT	<b>E-01</b>
	PTR NO.:					
	DATE:					
	TIN NO.:					
d.vi ARCHITECTURAL DESIGN SERVICES	PLACE:				CADD BY: D.VI	DATE: 2023.07.10



PROPOSED THREE-STOREY BUILDING  
**GROUND FLOOR POWER LAY-OUT**  
1:100 MTS.  
E-01 SCALE



PROPOSED THREE-STOREY BUILDING  
**SECOND FLOOR POWER LAY-OUT**  
1:100 MTS.  
E-02 SCALE



PROPOSED THREE-STOREY BUILDING  
**THIRD FLOOR POWER LAY-OUT**  
1:100 MTS.  
E-03 SCALE

ISSUED BY:	REG. NO.:	<p><b>IMPORTANT:</b> Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be voided for any person to duplicate or to make copies of said documents for use in the execution of any other project or building, whether executed partly or in whole, without the written consent of the architect or author of said documents.</p> <p>All architects shall incorporate this provision in all contract documents and other instruments of service.</p>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
<p>PROFESSIONAL ELECTRICAL ENGINEER</p> <p><b>d.vi</b> ARCHITECTURAL DESIGN SERVICES   10443456-91661-463 917-705-0884 Sta. Arcadio, Cabanatuan City, Nueva Ecija</p>	VALID UNTIL:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECIA	POWER LAY-OUT	<b>E-02</b>
	PTR NO.:					
	DATE:					
	TIN NO.:					
	PLACE:				CADD BY: D. VI	DATE: 2023.07.10

### PANEL BOARD 1

CKT NO.	LOAD DESCRIPTION	NO. OF OUTLETS	WATTS	VOLTS	AMPERE	CKT PROTECTION	WIRE SIZE	CONDUIT
1	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
2	LIGHTING	7	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
3	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
4	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
5	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
6	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
7	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
8	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
9	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
10	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
11	CONVENIENCE OUTLET	7	1400	230	6.09	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
12	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
13	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
14	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
15	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
16	CONVENIENCE OUTLET	4	800	230	3.48	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
17	AC 20	-	230	230	1.0	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
18	AC 20	-	230	230	1.0	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
19	AC 20	-	230	230	1.0	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
20	AC 20	-	230	230	1.0	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
21	AC 1.5	-	230	230	1.0	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
22	AC 1.5	-	230	230	1.0	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
23	AC 1.5	-	230	230	1.0	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
24	AC 20	-	230	230	1.0	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
25	SPARE	-	-	-	-	-	-	-
26	SPARE	-	-	-	-	-	-	-
TOTAL			13 400		140.26	200 AT	2 - 22mm <sup>2</sup> THHN	25MM Ø PVC

$$IT = [140.26 \text{ AMP} + 25\% (12)] (85\%) = 121.77 \text{ AMP.}$$

### PANEL BOARD 2

CKT NO.	LOAD DESCRIPTION	NO. OF OUTLETS	WATTS	VOLTS	AMPERE	CKT PROTECTION	WIRE SIZE	CONDUIT
1	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
2	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
3	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
4	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
5	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
6	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
7	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
8	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
9	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
10	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
11	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
12	AC 50	-	230	230	28	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
13	AC 50	-	230	230	28	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
14	AC 50	-	230	230	28	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
15	AC 50	-	230	230	28	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
16	AC 50	-	230	230	28	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
17	AC 50	-	230	230	28	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
18	AC 50	-	230	230	28	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
19	AC 50	-	230	230	28	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
20	SPARE	-	-	-	-	-	-	-
21	SPARE	-	-	-	-	-	-	-
22	SPARE	-	-	-	-	-	-	-
TOTAL			9 800		258.61	200 AT	2 - 22mm <sup>2</sup> THHN	25MM Ø PVC

$$IT = [258.61 \text{ AMP} + 25\% (12)] (85\%) = 222.36 \text{ AMP.}$$

### PANEL BOARD 3

CKT NO.	LOAD DESCRIPTION	NO. OF OUTLETS	WATTS	VOLTS	AMPERE	CKT PROTECTION	WIRE SIZE	CONDUIT
1	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
2	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
3	LIGHTING	8	800	230	1.39	20 AT	2 - 3.5mm <sup>2</sup> THHN	15MM Ø
4	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
5	CONVENIENCE OUTLET	8	1600	230	6.96	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
6	CONVENIENCE OUTLET	6	1200	230	5.22	20 AT	2 - 3.5mm <sup>2</sup> THHN	20MM Ø PVC
7	AC 10	-	230	230	8.00	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
8	AC 10	-	230	230	8.00	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
9	AC 10	-	230	230	8.00	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
10	AC 10	-	230	230	8.00	20 AT	2 - 5.5mm <sup>2</sup> THHN	20MM Ø PVC
11	SPARE	-	-	-	-	-	-	-
12	SPARE	-	-	-	-	-	-	-
TOTAL			6 280		55.30	100 AT	2 - 22mm <sup>2</sup> THHN	25MM Ø PVC

$$IT = [55.30 \text{ AMP} + 25\% (12)] (85\%) = 49.55 \text{ AMP.}$$

$$IT = IT1 + IT2 + IT3$$

$$IT = 121.77 + 222.36 + 49.55$$

$$IT = 393.68 \text{ AMP}$$

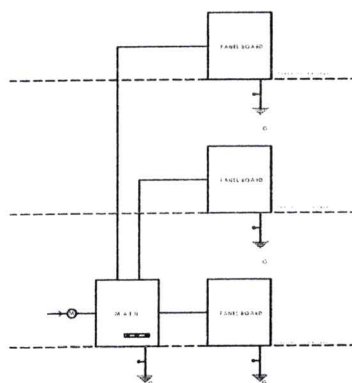
### LEGEND :

SYMBOL	DESCRIPTION
	POWER SERVICE ENTRANCE
	KILOWATT HOUR METER
	PANEL BOARD (CIRCUIT BREAKER)
	CIRCUIT HOMERUN TO PANEL BOARD
	RISER UP
	RISER DOWN
	PIN LIGHT
	CENTER LIGHT
	INCANDESCENT LIGHT OUTLET
	WALL LIGHT OUTLET
	FLUORESCENT
	DUPLEX CONVENIENCE OUTLET
	CEILING HEIGHT CONVENIENCE OUTLET
	TABLE HEIGHT CONVENIENCE OUTLET
	WEATHERPROOF CONVENIENCE OUTLET
	WASHING MACHINE OUTLET
	AIR CONDITION UNIT
	TELEPHONE OUTLET
	CABLE OUTLET
	CIRCUIT BREAKER (INDICATE TYPE AND Kv SETTING)
	GROUND
	SINGLE POLE SWITCH
	DUPLEX SWITCH, 2 SINGLE POLE SWITCHES ON ONE GANG SWITCH PLATE
	TRIPLEX SWITCH, 3 SINGLE POLE SWITCHES ON ONE GANG SWITCH PLATE
	THREE WAY SWITCH

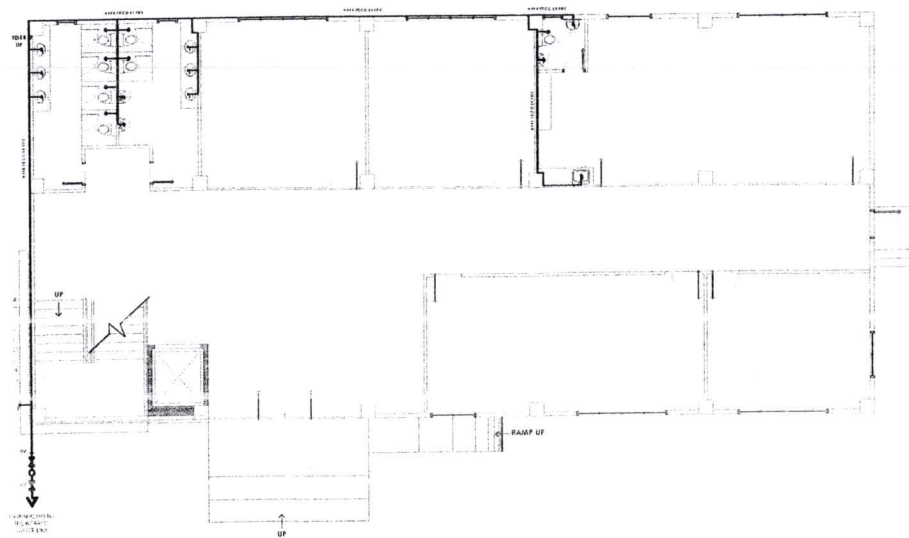
### ELECTRICAL NOTES:

- ALL ELECTRICAL INSTALLATION WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE, ITS RULES & REGULATIONS, THE LOCAL ENFORCING AUTHORITY & THE REQUIREMENTS OF THE LOCAL POWER COMPANY. THE ELECTRICAL WORK SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A QUALIFIED PROFESSIONAL ELECTRICAL ENGINEER.
- THE ELECTRICAL SERVICE VOLTAGE SHALL BE 2 WIRE.
- THE ELECTRICAL WIRING INSTALLATION SHALL BE DONE IN PVC PIPES. IF NOT INDICATED OR SPECIFIED, IT SHALL BE DONE AS:
  - SERVICE ENTRANCE - RIGID STEEL CONDUIT (RSC) OR INTERMEDIATE METALLIC CONDUIT (IMC)
  - UNDERGROUND & EMBEDDED IN CONCRETE SLAB & WALLS PVC CONDUIT OR PE PIPES SCHEDULE 40 FLEXIBLE CONDUITS SHALL BE USED WHERE REQUIRED.
- ALL WIRES SHALL BE COPPER & THERMOPLASTIC INSULATED TYPE "TV" UNLESS OTHERWISE INDICATED. USE PHILIPS DODGE OR COLUMBIA BRAND.
- THE CONTRACTOR SHALL VERIFY & OBTAIN THE ACTUAL LOCATION OF SERVICE ENTRANCE FOR CONNECTION TO THE POWER SUPPLY.
- ALL SERVICE ENTRANCE EQUIPMENT, SWITCHES, PANELBOARDS, LIGHTING FIXTURES & ALL NON-CURRENT CARRYING METAL PARTS SHALL BE PROPERLY GROUNDING.
- ALL FEEDERS & BRANCH CIRCUIT HOMERUNS SHALL BE INSTALLED AS INDICATED ON THE PLANS. BRANCH CIRCUIT HOMERUN WIRES SHALL BE INSTALLED IN INDIVIDUAL HOMERUN CONDUITS.
- ANY DISCREPANCY IN LOCATION & RATINGS OF EQUIPMENT AND/OR APPARATUS TO BE INSTALLED SHALL BE VERIFIED WITH THE OWNER OR HIS AUTHORIZED REPRESENTATIVE & CHANGES SHALL BE MADE ACCORDINGLY.
- ALL MATERIALS & EQUIPMENT TO BE USED & INSTALLED SHALL BE BRAND NEW, OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSE INTENDED.
- ALL POWER & CONVENIENCE OUTLETS SHALL BE GROUNDING TYPE.
- THE MOUNTING HEIGHTS OF WIRING DEVICES SHALL BE AS FF:
  - LIGHT SWITCHES - 1.40 M. ABOVE FINISH FLOOR LINE
  - CONVENIENCE OUTLETS - 0.30 M. ABOVE FINISH FLOOR LINE
  - TELEPHONE OUTLETS - 0.30 M. ABOVE FINISH FLOOR LINE
  - PANELBOARDS & CABINETS - 1.40 M. ABOVE FINISH FLOOR LINE

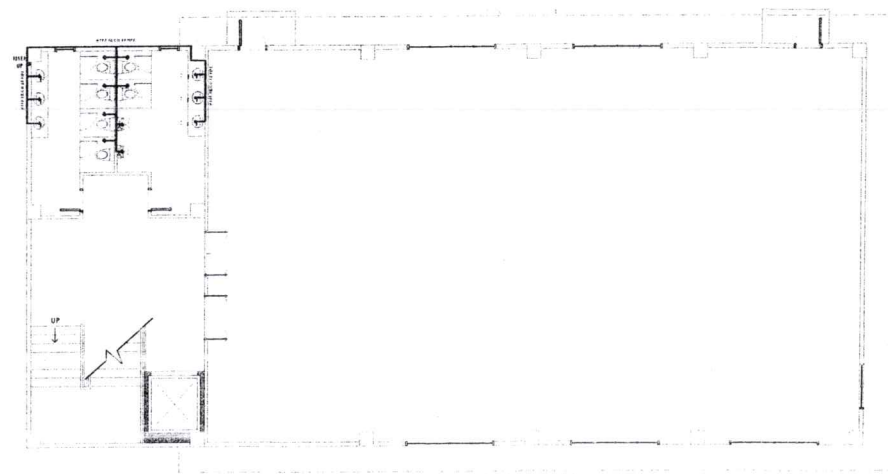
### RISER DIAGRAM



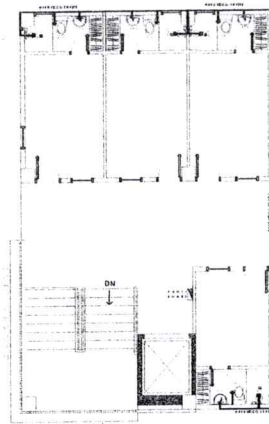
ISSUED BY:	REG. NO.:	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
PROFESSIONAL ELECTRICAL ENGINEER	VALID UNTIL:	NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECUIA	LOAD SCHEDULE RISER DIAGRAM ELECTRICAL NOTES LEGENDS	E-03
d.vi ARCHITECTURAL DESIGN SERVICES	PTR NO.:			CADD BY: D.VI	DATE: 2023.07.10
	DATE:				
	TIN NO.:				
	PLACE:				



PROPOSED THREE-STOREY BUILDING  
**GROUND FLOOR CWL-LAYOUT**  
 01 SCALE 1:100 MTS.

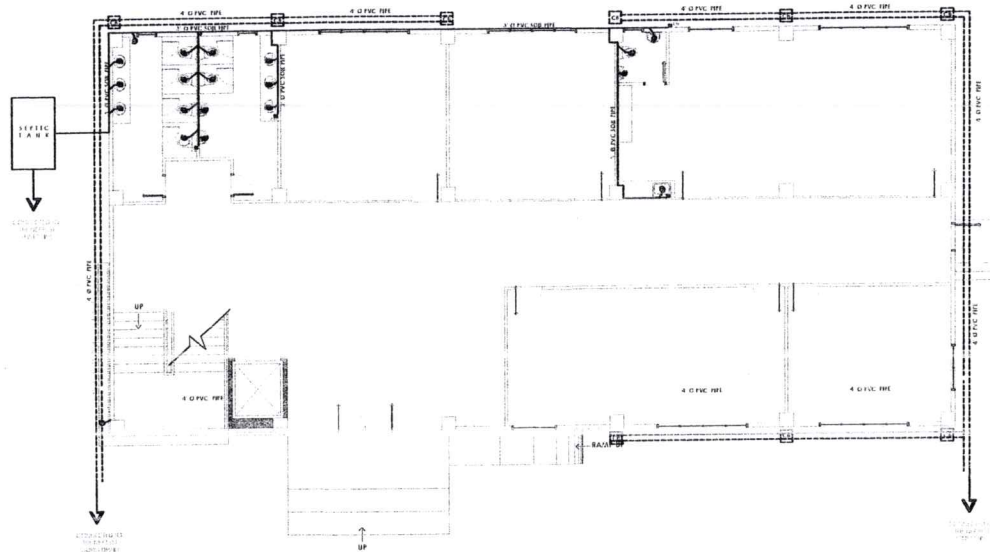


PROPOSED THREE-STOREY BUILDING  
**SECOND FLOOR CWL-LAYOUT**  
 02 SCALE 1:100 MTS.

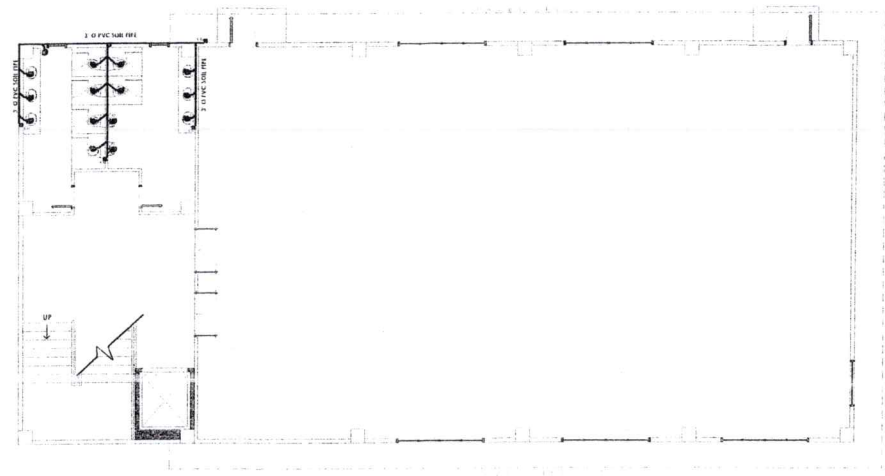


PROPOSED THREE-STOREY BUILDING  
**THIRD FLOOR CWL-LAYOUT**  
 03 SCALE 1:100 MTS.

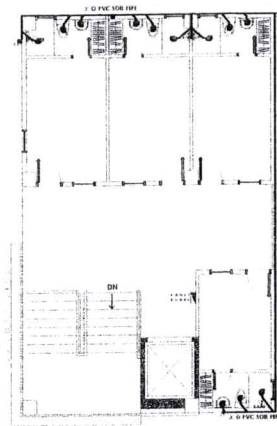
ISSUED BY:	REG. NO.:	<p><b>IMPORTANT:</b> Drawings and specifications and other contract documents fully signed, stamped or sealed, in instruments of service, are the intellectual property and documents of the architect. Whether the subject for which they are made is executed or not, it shall be extended for any person to duplicate or to make copies of said documents for use in the execution of one or other projects or buildings, whether executed partly or in whole, without the written consent of the architect or without of said documents.</p> <p>All architects shall incorporate this provision in all contract documents and other instruments of service.</p>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
<p>REGISTERED MASTER PLUMBER</p> <p><b>d.vi</b> ARCHITECTURAL DESIGN SERVICES          (044) 656-7166 / +63 917-705-0884          Sta. Arcadia, Cabanatuan City, Nueva Ecija</p>	VALID UNTIL:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECIA	CWL LAY-OUT	<b>P-01</b>
	PTR NO.:					
	DATE:					
	TIN NO.:					
	PLACE:				CADD BY: D.VI	DATE: 2023.07.10



PROPOSED THREE-STOREY BUILDING  
**GROUND FLOOR DWV-LAYOUT**  
 04 SCALE 1:100 MTS.

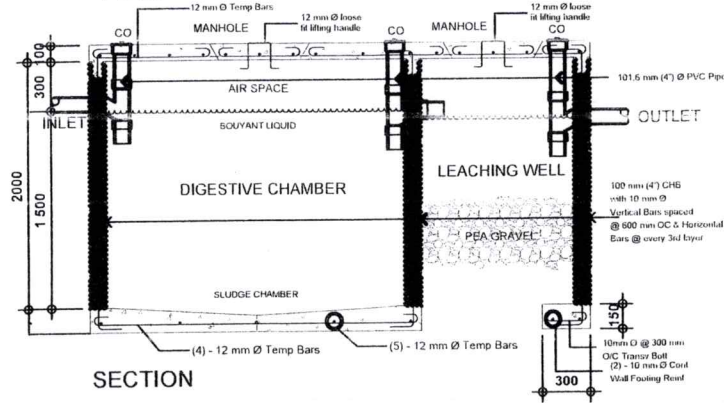
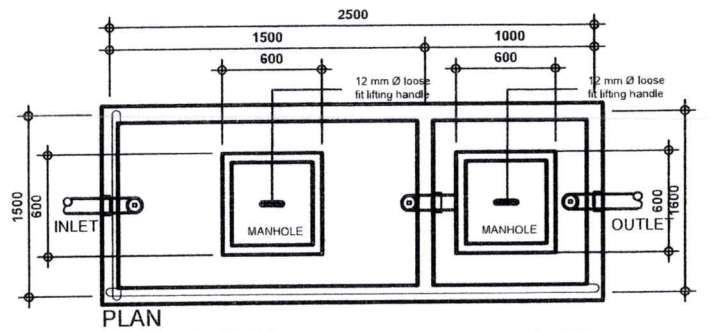


PROPOSED THREE-STOREY BUILDING  
**SECOND FLOOR DWV-LAYOUT**  
 05 SCALE 1:100 MTS.

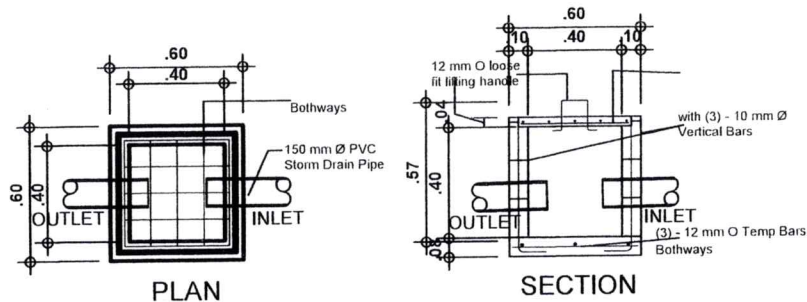


PROPOSED THREE-STOREY BUILDING  
**THIRD FLOOR DWV-LAYOUT**  
 06 SCALE 1:100 MTS.

ISSUED BY:	REG. NO.:	<p><b>IMPORTANT:</b> Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the execution of any other project or building, whether executed partly or in whole, without the written consent of the architect or author of said documents.</p> <p>All architects shall incorporate this provision in all contract documents and other instruments of service.</p>	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
<p>REGISTERED MASTER PLUMBER</p> <p><b>d.vi</b> ARCHITECTURAL DESIGN SERVICES   (044) 456-9146   +63 917-705-0884          Sta. Arcadia, Cabanatuan City, Nueva Ecija</p>	VALID UNTIL:		NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECJA	CWL LAY-OUT	<b>P-02</b>
	PTR NO.:					
	DATE:					
	TIN NO.:				CADD BY: D.VI	DATE: 2023.07.10
	PLACE:					



PROPOSED THREE-STOREY BUILDING  
07  
P 103 SCALE  
1:100 MTS.



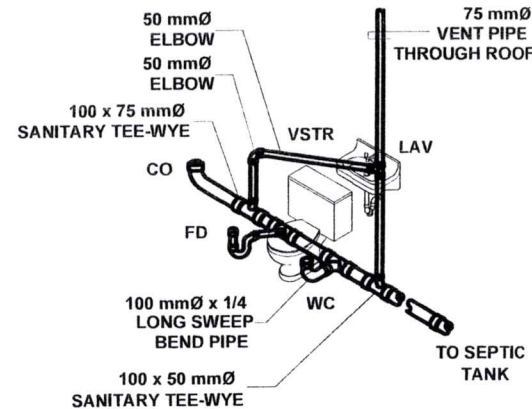
PROPOSED THREE-STOREY BUILDING  
08  
P 103 SCALE  
1:100 MTS.

## LEGEND :

FD	FLOOR DRAIN	50.8 mm (2") Ø PVC PIPE (VENT)
SD	SHOWER DRAIN	50.8 mm (2") Ø PVC PIPE
ST	SEPTIC TANK	76.2 mm (3") Ø PVC PIPE
CB	CATCH BASIN	101.6 mm (4") Ø PVC PIPE
FCO	FLOOR CLEAN OUT	152.4 mm (6") Ø PVC PIPE
WCO	WALL CLEAN OUT	12 mm Ø GI PIPE
CO	CLEAN OUT	20 mm Ø GI PIPE
VTR	VENT THRU ROOF	HOT WATER LINE
KS	KITCHEN SINK	HWL HOT WATER LINE
WC	WATER CLOSET	CWL COLD WATER LINE
LAV	LAVATORY	DWV DRAINAGE WASTE & VENT
F	FAUCET	CV CHECK VALVE
HB	HOSE BIBB	WM WATER METER
SH	SHOWER HEAD	GV GATE VALVE
BT	BATH TUB	R REDUCER
MH	MANHOLE	UR URINAL

## PLUMBING NOTES:

- ALL MATERIALS, FIXTURES & EQUIPMENT TO BE USED IN THE PLUMBING INSTALLATION SHALL BE NEW, OF THE APPROVED TYPE & SIZE AS TO ITS INTENDED USAGE.
- ALL INSTALLATION SHALL BE IN CONFORMANCE WITH THE PLUMBING CODE OF THE PHILS. ITS RULES & REG.
- DRAINAGE PIPING SHALL BE PROVIDED WITH APPROVED INLET FITTINGS FOR FIXTURE CONNECTIONS, CORRECTLY LOCATED ACCORDING TO THE SIZE & TYPE OF FIXTURE PROPOSED TO BE CONNECTED.
- CHANGE IN DIRECTION OF DRAINAGE PIPING SHALL BE MADE WITH APPROPRIATE USE OF APPROVED FITTINGS & SHALL BE OF THE ANGLES REPRESENTED BY A  $\frac{1}{8}$  BEND,  $\frac{1}{4}$  BEND,  $\frac{1}{2}$  BEND OR OTHER APPROVED FITTINGS OR EQUIVALENT SWEEP.
- PROVIDE CLEANOUT FOR EACH CHANGE IN DIRECTION IF THE TOTAL AGGREGATE CHANGE EXCEEDS 135°.
- EACH CLEANOUT SHALL BE INSTALLED SO THAT IT OPENS IN A DIRECTION OPPOSITE TO THE FLOW OF SOIL OR WASTE OR AT RIGHT ANGLES THERETO. ADDITIONAL CLEANOUTS SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED 100 FT (30.5 m) IN STRAIGHT RUNS.
- HORIZONTAL DRAINAGE PIPING SHALL RUN IN PRACTICAL ALIGNMENT & A UNIFORM SLOPE OF NOT LESS THAN  $\frac{1}{4}$  OF AN INCH / FT. (20.8 mm/ml) OR 2% TOWARD THE POINT OF DISPOSAL.
- UNLESS PROHIBITED BY STRUCTURAL CONDITIONS, EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN 6" (152.4 mm) ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY.
- EACH VENT PIPE OR STACK SHALL EXTEND THROUGH ITS FLASHING & SHALL TERMINATE VERTICALLY NOT LESS THAN 6" (152.4 mm) ABOVE THE ROOF & ONE FOOT (0.30 m) FROM ANY VERTICAL SURFACE.
- PIPING SHALL BE LAID ON A FIRM BED THROUGHOUT ITS ENTIRE LENGTH. IF ANY SUCH PIPING IS LAID IN MADE OR FILLED GROUND, IT SHALL BE LAID ON A BED OF APPROVED MATERIALS & SHALL BE ADEQUATELY SUPPORTED.



PROPOSED THREE-STOREY BUILDING  
09  
P 103 SCALE  
1:100 MTS.

<b>REGISTERED MASTER PLUMBER</b>  ARCHITECTURAL DESIGN SERVICES (044)454-9141 +63 917-705-0884 Sta. Arcadia, Cabanatuan City, Nueva Ecija	REG. NO.:	INFORMATION: Drawings and specifications and other contract documents duly signed, stamped or sealed, are instruments of service, are the intellectual property and documents of the architect, whether the subject for which they are made is executed or not. It shall be unlawful for any person to duplicate or to make copies of said documents for use in the execution of work for other projects or buildings, whether executed jointly or in whole, without the written consent of the architect or author of said documents.  All architects shall incorporate this provision in all contract documents and other instruments of service.	OWNER:	PROJECT:	SHEET CONTENT/S:	DWG/SHEET NO.:
	VALID UNTIL:					
	PTR NO.:					
	DATE:					
	TIN NO.:	NEECO II AREA-I	PROPOSED THREE-STOREY BUILDING TALAVERA, NUEVA ECJA		SEPTIC TANK DETAILS CATCH BASIN DETAILS T&B LAY-OUT	P-03
	PLACE:					
	CADD BY:				D.VI	DATE: 2023.07.10

Project: PROPOSED THREE STOREY BUILDING  
Location: TALAVERA, NUEVA ECIJA  
Owner: NEECO II - AREA I

### BILL OF MATERIALS & COST ESTIMATES

#### I. Mobilization and Construction of TEMFACIL

Qty = 1.00 l.s

##### Material Cost

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
12	pcs	1/4" thk. Ordinary Plywood		
240	bd.ft.	Assorted Coco Lumber		
12	pcs	Corr. GI Sheets 12ft		
4	pcs	Receptacle 2X3		
4	pcs	Switch		
4	pcs	Convenience Outlet		
50	pcs	4" CHB		
10	pcs	10 mm RSB		
15	bag	Cement		
3	cum	Sand		
10	kgs.	Assted CWN		
2	kgs.	GI Wire		
1	box	#12 cu. Wire		
2	pcs	Lighting Bulb		
1	pcs	Breaker		
1	pcs	Electrical Tape		

##### Labor Cost

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	2		
2	Skilled	2		
3	Laborer	2		

SUB-TOTAL=

#### II. Demolition Works

##### Labor Cost

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	7		
15	Laborer	7		

SUB-TOTAL=

#### III. Excavation Works

Qty = 512.00 cu.m.

##### Equipment Rental Cost

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
30	hr	Excavator		

##### Labor Cost

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	3		
2	Laborer	3		

SUB-TOTAL=

**IV. Filling Works**

Qty = 512.00 cu.m.

**Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
265	cu.m.	Filling Materials		
40	cu.m.	G1 Gravel (for Gravelbed)		

**Equipment Rental Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
40	hr	Bulldozer		

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	3		
6	Laborer	3		

**SUB-TOTAL=****V. Formwork & Scaffolding**

Qty. = 1.00 l.s.

**Scaffolding Rental Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
150	set	Scaffolding H-Frame		
500	pcs	1-1/2 Ø G.I. Pipe s-40		
500	set	Shoring Jack , Accessories		
120	pcs	Platform		

**Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
200	pcs	3/4" thk. Phenolic Board		
1,200	bd.ft.	Assorted Good Lumber		
90	kgs.	Assorted CWN		

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	8		
13	Skilled	8		
15	Laborer	8		

**SUB-TOTAL=****VI. Reinforcing Steel Bar**

Qty = 41,376.00 kgs.

**A. Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
1,300	pcs	20mm x 6mts RSB		
900	pcs	16mm x 6mts RSB		
600	pcs	12mm x 6mts RSB		
3,000	pcs	10mm x 6mts RSB		
132	rolls	# 16 G.I Wire		

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	60		
10	Skilled	60		
12	Laborer	60		

**SUB-TOTAL=**

**VII. Decking****A. Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
580	l.m.	SD 950 X1.2mm		
2,500	pcs	20mmØ x 75mm Shear Studs		
8	box	Welding Rod		

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	10		
10	Skilled	10		
12	Laborer	10		

**SUB-TOTAL=****VIII. Concrete Works****Qty = 310.00 cu.m.****A. Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
310	cu.m.	ReadyMix 3500 psi 3/4 crushed		
2	unit	Pumcrete Rental		

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	14		
12	Laborer	14		

**SUB-TOTAL=****IX. Masonry Works and Plastering****Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
800	bags	Portland Cement		
12,100	pcs	100mm thk CHB		
5,960	pcs	150mm thk CHB		
250	cu.m.	Screened Wash Sand		

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	21		
12	Skilled	21		
15	Laborer	21		

**SUB-TOTAL=****X. Ceiling Works****Qty. = 1.00 l.s.****Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
1,180	pcs	Acoustic Ceiling Board 2ft x 2ft		
98	pcs	Main Tee		
140	pcs	Cross Tee		
112	pcs	Edge Moulding		
200	sets	Hanger Wire		
166	pcs	Wall Liner (8 ft)		
245	pcs	Hardieflex 1/4" thk		
245	pcs	Metal Furring (0.40mm thk)		

310	pcs	Carrying Channel (0.40mm thk)
200	pcs	Wall Angle (0.40mm thk)
400	sets	Suspension Clip & Rod Joiner
2,000	pcs	W-Clip
3,400	pcs	Hardi Drive Screw
70	kgs	Concrete Nail #1
12	pcs	Masonry Drill Bit 3mm Ø
30	pcs	Metal Drill Bit (5/32" Ø)
60	box	Blind Rivets

#### Labor Cost

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	18		
15	Skilled	18		
10	Laborer	18		

SUB-TOTAL=

#### XI. Steel Truss/Roof Framing/Railings

Qty = 1.00 l.s.

##### Material Cost

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
1	set	Stair/Ramp Railings		
74	pcs	2 x 6 x 150mm Tubular		
25	pcs	2 x 4 x 120mm Tubular		
140	pcs	2 x 4 x 120mm C-Purlins		
24	pcs	1 X1 X 150mm Tubular		
32	pcs	Flat Bar 4mm x 1" x 6m		
12	gal	Red Oxide		
23	gal	Paint Thinner		
6	pcs	Paint Brush 2"		
6	pcs	Paint Brush 4"		
5	pcs	Cutting Disk		
36	pcs	12mm Ø (Sag Rod)		
6	box	Welding Rod		

#### Labor Cost

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	12		
8	Skilled	12		
10	Laborer	12		

SUB-TOTAL=

#### XII. Tinsmitting Works

Qty = 1.00 l.s.

##### Material Cost

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
476	l.m.	Rib type Roofing		
12	rolls	Roof Insulation		
97	l.m.	Gutter		
97	l.m.	Fascia cover		
4	rolls	#16 GI Wire		
2,400	pcs	Teckscrew		
6	box	Blind Rivet		
3	ltr	Vulcaseal		

Labor Cost		DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
QTY					
8		Skilled	10		
7		Laborer	10		

**SUB-TOTAL=**

**XIII. Doors and Windows**

Qty = 1.00 l.s.					
Materials		DESCRIPTION	UNIT COST	AMOUNT	
QTY	UNIT				
10	sets	3.20 x 2.10 Fixed/Casement Window			
3	sets	1.90 x 2.10 Fixed/Casement Window			
9	sets	0.70 x 0.50 Awning Window			
4	sets	0.80x 1.27 Casement Window			
2	sets	3.00 x 2.10 Fixed/Sliding Window			
1	sets	5.40 X 3.00 Fixed Window			
1	sets	2.10 x 6.00 Tempered Glass Door			
7	sets	2.10 x 1.00 Frameless Glass Door			
8	sets	2.10 x 0.80 Panel Door			
2	sets	2.10 x 1.50 Upholstered Panel Door			
3	sets	Fire Exit Door			
2	sets	2.10 x 0.90 Panel Door			

Labor Cost		DESCRIPTION	UNIT COST	AMOUNT
		Installation Fee	10% of Material Cost	

**SUB-TOTAL=**

**XIV. Tile Works**

Material Cost		DESCRIPTION	UNIT COST	AMOUNT
QTY	UNIT			
1,900	pcs	60 x 60 Glazed Ceramic Tiles		
1,120	pcs	50 x 50 Carpet Tiles		
5	slabs	Salt and Pepper Granite		
160	bag	Cement		
50	cu-m	Sand		
400	bag	Tile Adhesive		
50	kls	Tile Grout		

Labor Cost		DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
QTY					
1		Foreman	21		
13		Skilled	21		
15		Laborer	21		

**SUB-TOTAL=**

**XV. Plumbing Works**

Qty = 1.00 l.s.					
Materials		DESCRIPTION	UNIT COST	AMOUNT	
Qty	UNIT				
A. Water Line					
42	pcs	1/2" Ø PP-R Pipe			
16	pcs	1/2" Ø PP-R Coupling			
31	pcs	1/2" Ø PP-R Tee			
15	pcs	1/2" Ø PP-R Elbow			
15	pcs	1/2" Ø PP-R Elbow Adaptor			
B. Waste Line					
56	pcs	4"Ø PVC Pipe S-1000			

18	pcs	2"Ø PVC Pipe S-1000
3	lit	Solvent Cement
8	pcs	4 x 2 Wye
15	pcs	4 x 4 Tee
4	pcs	4"Ø 45 deg Elbow
41	pcs	2"Ø P-trap
23	pcs	2"Ø 45 deg Elbow
8	pcs	2"Ø Elbow
2	pcs	4"Ø Clean out

**C. Plumbing Fixtures**

17	sets	Water Closet
5	sets	Urinal
17	sets	Lavatory
1	sets	Sink
17	sets	Sprinkler Bidet
4	sets	Shower
16	pcs	Floor Drain

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	18		
8	Skilled	18		
10	Laborer	18		

**SUB-TOTAL=**

**XVI. Painting Works**

**A. Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
41	tins	Flat Latex Paint		
41	tins	Semi-Gloss		
60	gals	Conc. Neutralizer		
8	gals	Gypsum Putty		
12	gals	Wall Putty		
40	gals	Paint Thinner		
410	sack	Skim Coat		
200	ft	Sand Paper # 120		
200	ft	Sand Paper # 100		
200	ft	Sand Paper # 80		
50	pcs	masking tape		
15	kls	newspaper		
50	roll	Gaza Tape		
10	kls	Rags		
8	tins	Gloss Latex		
10	pcs	Paint Roller w/ tray		
10	pcs	Paint Brush # 1		
10	pcs	Paint Brush # 2		

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	15		
8	Skilled	15		
10	Laborer	15		

**SUB-TOTAL=**

**XVII. Electrical Works**

Qty = 1.00 l.s.

**A. Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
14	rolls	2.0 mm <sup>2</sup> THW wire stranded		

16	rolls	3.5 mm <sup>2</sup> THW wire stranded
8	rolls	5.5 mm <sup>2</sup> THW wire stranded
16	mts	38 mm <sup>2</sup> THW cu. Wire
44	pcs	LED Panel Light
81	pcs	Pin Lights
14	pcs	Center Lights
4	pcs	Wall Lamp
4	sets	1-gang switch w/ plate
5	sets	2 gang switch w/ plate
16	sets	3 gang switch w/ plate
83	sets	2-Gang Convenience Outlet w/ plate
6	sets	2-Gang Weather Proof CO
60	pcs	20mm Ø PVC Electrical Pipe
40	pcs	20mm Ø PVC Long Elbow
190	pcs	20mm Ø PVC Connector
4	lit	Solvent Cement
6	length	1 1/2" RSC Pipe
6	pcs	1 1/2" RSC elbow
6	pcs	1 1/2" RSC Lock Nut & Bushing
6	pcs	1 1/2" RSC Coupling
2	pcs	1 1/2" Entrance Cap
20	pcs	Electrical tape big
114	pcs	2½" x 4" Utility Box
32	pcs	4" x 4" Junction Box
2	pcs	Panel Board 36 Holes/Branches
1	pcs	Panel Board 16 Holes/Branches
20	pcs	15 amp Circuit Breaker
12	pcs	20 amp Circuit Breaker
2	pcs	200 amp Circuit Breaker
1	pcs	300 amp Circuit Breaker

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
8	Skilled	15		
8	Laborer	15		

**SUB-TOTAL=**

**XVIII.Cladding Works**

**Labor Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
195	sqm	Aluminum Composite Panels 4mm thk		
72	pcs	Outdoor Fluted Wall Panels (Oak)		
38	pcs	Indoor Fluted Wall Panels (Cedar)		
110	sets	Accessories		

**Labor Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
110	panel	Installation Fee		

**SUB-TOTAL=**

**XIX.Canopy**

**Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
1	lot	Tempered Glass		
1	set	Accessories		
16	pcs	2 x 6 x 1.5 Tubular		

**Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
5	Skilled	4		
3	Laborer	4		

**SUB-TOTAL=****XX.Mechanical/Electronics****Material Cost**

QTY	UNIT	DESCRIPTION	UNIT COST	AMOUNT
1	lot	Elevator Hairline Stainless 400kg		
1	lot	Airconditioning System		
1	lot	Fire Protection System		
1	lot	Network System		
1	lot	Surveillance System		

**SUB-TOTAL=****XXI. Clearing & Demobilization****Labor Cost**

QTY	DESCRIPTION	NO. OF DAYS	UNIT COST	AMOUNT
1	Foreman	5		
5	Laborer	5		

**SUB-TOTAL=****TOTAL PROJECT COST**