



NATIONAL POWER CORPORATION

MinGen

PHILIPPINE BIDDING DOCUMENTS

(Procurement of INFRASTRUCTURE PROJECTS)

FOR

CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AG2

P.R. No.: MA-A2M22-003

**Contracts Management Office
Logistics Division**

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project –Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC –Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid



NATIONAL POWER CORPORATION

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Invitation to Bid for *CONST'N. OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AG2*

1. The *NATIONAL POWER CORPORATION-MINDANAO GENERATION*, through the *approved Corporate Budget of NPC for CY 2022* intends to apply the sum of *Nine Million Nine Hundred Ninety Six Thousand One Hundred Sixty Seven & 63/100 Pesos (PHP9,996,167.63)* being the Approved Budget for the Contract (ABC) to payments under the contract for *Construction of Guesthouse & Multi-purpose Training Center, Agus 2 HEP, Pawak, Saguilaran, Lanao de Sur (INFRA2022-AG2-018)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *NATIONAL POWER CORPORATION-MINDANAO GENERATION* now invites bids for the above Procurement Project. Completion of the Works is required *One Hundred Twenty (120) calendar days*. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from *BAC Secretariat, NATIONAL POWER CORPORATION-MINDANAO GENERATION* and inspect the Bidding Documents at the address given below from *8:00 AM – 5:00 PM Monday to Friday*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *May 18 – June 08, 2022* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of *Ten Thousand Pesos (PHP 10,000.00)*. The Procuring Entity shall allow the bidder to pay online and present its proof of payment for the fees in person, by facsimile, or through electronic means. For those prospective bidders who wish to pay online, below are the details of the account:

Landbank Account name : NPC GENCO 5 COLLECTIONS FUND
Landbank Account number : 0321-1689-14

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) provided that Bidders shall

pay the applicable fee for the Bidding Documents not later than the submission of their bids.

6. The *NATIONAL POWER CORPORATION-MINDANAO GENERATION* will hold a Pre-Bid Conference on *May 27, 2022 at 9:00 AM* at *Bidding Room, NPC-Mindanao Generation Headquarters, Maria Cristina, Iligan City* and/or through videoconferencing/webcasting via *ZOOM*, which shall be open to prospective bidders. Interested online attendees are required to pre-register one (1) day before the scheduled pre-bidding conference. For pre-registration, contact tel. no. (063)-222-3459 or email logistics_afd_mingen@napocor.gov.ph.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before *June 08, 2022 at 9:30 AM*. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 15**.
9. Bid opening shall be on *June 08, 2022 at 9:30 AM* at the *Bidding Room, NPC-Mindanao Generation Headquarters, Maria Cristina, Iligan City*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. *This project requires submission of at least:*
 - *Certificate of Site Inspection*
11. The *NATIONAL POWER CORPORATION- MINDANAO GENERATION* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

BAC Secretariat

Contracts Management Office

Logistics Division

Mindanao Generation Headquarters

National Power Corporation

Maria Cristina, Iligan City

logistics_afd_mingen@napocor.gov.ph

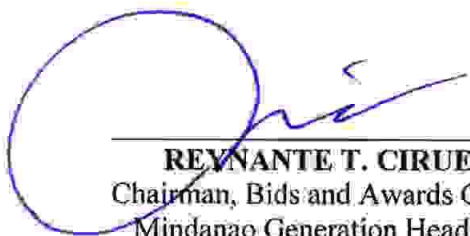
Tel. No.: (063)222-3459

Fax No.: (063)223-8355/(063)223-4604

www.napocor.gov.ph

13. You may visit the following websites:

For downloading of Bidding Documents: <https://www.philgeps.gov.ph/> or
<https://www.napocor.gov.ph/BCSD/bids.php>



REYNANTE T. CIRUELA
Chairman, Bids and Awards Committee
Mindanao Generation Headquarters

Date of PhilGEPS Publication: 18 May 2022

**LIST OF PRIVATE SURETY COMPANIES ACCEPTABLE TO NPC
AS OF 11 NOVEMBER 2018**

	Name of Surety Company	Contact No.
1	ALPHA INSURANCE & SURETY CO., INC. Alpha Insurance Centre 1025 San Marcelino St., Ermita, Manila	525-1301 F - 522-6131
2	COMMONWEALTH INSURANCE COMPANY 10/12F, BDO Plaza, 8737 Paseo de Roxas Makati City	818-7626 loc 1253 813-2685
3	COUNTRY BANKERS INSURANCE CORPORATION Country Bankers Centre, 648 T. M. Kalaw Avenue Ermita, Manila	524-0621 to 23
4	INTRA STRATA ASSURANCE CORP. 8th Floor, 88 Corporate Center Building Sedeño cor. Valero St., Salcedo Vill, Makati City	817-3031 to 34
5	LIBERTY INSURANCE CORPORATION JCS Building, 119 Dela Rosa cor. Carlos Palanca Sts. Legaspi Village, Makati City	819-1961 to 66
6	PACIFIC UNION INSURANCE COMPANY Unit 2401 Antel Corporate Center 121 Valero St. Salcedo Village, Makati City	845-1033 to 37
7	PRUDENTIAL GUARANTEE & ASSURANCE, INC. Coyuito House, 119 Palanca St Legaspi Village, Makati City	810-4916 to 35
8	STERLING INSURANCE COMPANY, INC. 6F Zeta Annex II Building 191 Salcedo St., Legaspi Village, Makati City	759-3082/759-2930/ 759-2921/ 892-3792
9	THE MERCANTILE INSURANCE CO. LTD. Mercantile Insurance Building Corner General Luna & Beaterio Sts. Intramuros, Manila	527-7701 to 20
10	TRAVELLERS INSURANCE SURETY CORPORATION 10 th Floor, G E Antonio Building T M Kalaw corner J Bocobo St., Ermita, Manila	521-3822/400-9327
11	WESTERN GUARANTEE CORPORATION Suite 508 BPI Office Condominium Plaza Cervantes, Binondo, Manila	241-7401/242-1073

Note: Indicate in the performance, advance payment, retention and guarantee bond the following NPC Standard Terms & Conditions:

- 1) The bond is a penal bond, callable on demand and the entire amount thereof shall be forfeited in favor of the Obligor upon default of the Principal without the need to prove or to show grounds or reasons for demand for the sum specified therein
- 2) The amount claimed by the Obligor under this bond shall be paid in full and shall never be subject to any adjustment by the Surety.
- 3) In case of claim, the Surety shall pay such claim within sixty (60) days from receipt by the Surety of the Obligor's notice of claim/demand letter notwithstanding any objection thereto by the Principal.

4) The proposed bond is valid until the issuance of NPC of the Cert. of Final Acceptance.

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **NATIONAL POWER CORPORATION-MINDANAO GENERATION** invites Bids for the **CONSTRUCTION OF GUESTHOUSE & MULTI-PURPOSE TRAINING CENTER, AGUS 2 HEP, PAWAK, SAGUIARAN, LANA O DE SUR, with Project Identification Number INFRA2022-AG2-018.**

The Procurement Project (referred to herein as "Project") is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for CY 2022 in the amount of *Ten Million Pesos (PHP10,000,000.00)*
- 2.2. The source of funding is:
 - a. GOCC and GFIs, the proposed Corporate Operating Budget.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "T" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address **and/or through videoconferencing/webcasting** as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. *Payment of the contract price shall be made in:*

- a. Philippine Pesos.

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

- 15.2. The Bid and bid security shall be valid until ***One Hundred Twenty (120) Calendar Days from the Scheduled Bid Opening.*** Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the IB.

18. Opening and Preliminary Examination of Bids

- 18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the IB. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause			
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: Construction of Vertical Project		
7.1	Subcontracting is not allowed.		
10.3	None		
10.4	The key personnel must meet the required minimum years of experience set below:		
	<u>Key Personnel</u>	<u>General Expertise</u>	<u>Relevant Experience</u>
	1 - Project Engineer	Licensed Civil Engineer	At least five (5) years experience in related works
	1 - Construction Foreman	B.S. Civil Engineering Graduate	At least three (3) years experience in similar works
		Civil Engineering Technology Graduate	At least five (5) years experience in similar works
		Non-graduate	At least five (5) years working experience as Construction Foreman in similar works
	1 - Construction Safety and Health Officer (SO2)	Construction Safety Officer 2	At least forty (40) hours of Construction Safety and Health (COSH) Training from Occupational Safety and Health Center (OSHC) or Safety Training Organizations (STOs) accredited by the Department of Labor and Employment (DOLE). Must be present during the whole duration of the project)
	2- Welders	NC-II	Must have at least three (3) years experience in welding works

	1- Plumber	NC-II	Must have at least three (3) years experience in plumbing works
	2- Electricians	NC-II	Must have at least three (3) years experience in electrical works
<p>(1) Valid Professional Regulation Commission (PRC) license for professional personnel; (2) Certificate of Training with accreditation from DOLE for the Construction Safety & Health Officer; (3) TESDA Training Certificate (NC II) of Welders or Electrician; and (4) Diploma and/or Service Record/Certificate of Employment of previous and/or current employer for Construction Foreman, Welders, Plumber and Electrician <i>shall be submitted and included as an attachment in the Standard Form NPCMGNSF-INFRA-05: List of Key personnel Proposed to be Assigned to the Contract.</i></p> <p>Project Engineer or Foreman and Construction Safety & Health Officer maybe one person, as long as he meets the requirements of the two positions. Provided however, that there is no overlapping of projects undertaken by the same contractor and supervised by the same person.</p> <p>The above key personnel must be either employed by the applicant or contracted by the applicant to be employed for the contract to be bid.</p>			
10.5	The minimum major equipment requirements are the following:		
	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>
	Mini – Backhoe, Wheel mounted	0.5 cu.m.	One (1)
	Plate Compactor	300 Amp	One (1)
	Concrete Mixer	1-bagger	Two (2)
	Concrete Vibrator, pen type	Any capacity	Two (2)
	Welding Machine	300 Amp	Two (2)
12	N/A		
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than PHP199,923.35(2% of ABC), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than PHP499,808.38(5% of ABC), if bid security is in Surety Bond.</p>		
19.2	Partial bids are allowed, as follows:		

20	<p>Additional documents to be submitted during Post-Qualification:</p> <ol style="list-style-type: none"> 1. Other appropriate licenses and permits required by law and stated in the Bidding documents. <ol style="list-style-type: none"> a. <i>Original Bank Statement year ending prior to bid opening;</i> b. <i>Valid and updated PhilGEPS Registration (Platinum Membership) (all pages);</i> c. <i>Registration Certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;</i> d. <i>Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;</i> e. <i>Valid Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR). Quarterly Income Tax Returns filed and paid through the BIR Electronic Filing and Payment System (eFPS);</i> f. <i>The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission;</i> g. <i>Philippine Contractors Accreditation Board (PCAB) License;</i> h. <i>Board of Accountancy (BOA) Certificate;</i> 2. <i>Contract and/or Notice of Award as supporting documents for NPC MinGen Form No. NPCMGNSF-INFR-01, if applicable;</i> 3. <i>Certificate of Site Inspection issued by Plant/Department Manager or his authorized representative.</i>
21	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, <u>prior to contract signing</u>, such as:</p> <ol style="list-style-type: none"> a) Approved construction schedule and S-curve b) Approved manpower schedule c) Construction methods d) Approved equipment utilization schedule e) Construction safety and health program approved by the DOLE f) Approved Project Evaluation Review Technique/Critical Path Method (PERT/CPM)

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

- 4.1. The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.
- 4.2. If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the SCC.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in ITB Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

- 11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the SCC.
- 11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the

SCC, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the SCC, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

- 15.1. If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals as specified in the SCC.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the SCC from payments due to the Contractor.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
2	Sectional completion is not specified.
4.1	The Procuring Entity shall give possession of the Site to the Contractor <i>on the start date.</i>
6	The site investigation reports are: NONE
7.2	Fifteen (15) years
10	Dayworks are not applicable to the contract.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative <u>upon contract signing</u> or within <u>three (3)</u> days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is Fifty (50) % of the billed amount. The updating of Program of Work shall be done bi-monthly.
13	The amount of the advance payment is 15% of contract amount and paid in lump sum.
14	No further instruction.
15.1	The date by which operating and maintenance manuals are required is <u>upon completion of the project.</u> The date by which "as built" drawings are required is <u>upon completion of the project.</u>
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is one hundred percent (100%) of the final billing.

Section VI. Specifications

PROJECT HIGHLIGHTS

PH-1.0 GENERAL

The project is funded by National Power Corporation, Mindanao Generation, Agus 1 & 2 Hydroelectric Power Plant Complex.

As of today, Agus 1&2 has no guest house or multi-purpose training center to accommodate guests, trainers, trainees in time of conducting Training events. As usual practice, it becomes difficult and costly for NPC when they are required to stay. This venue could also provide an area for the security and safekeeping of their stuffs while performing their duties during training events. In addition, it will also serve as venue for Agus 1&2 employees during conducting internal trainings like planning session, PSALM audits and TUV Audits.

The Contractor shall furnish all labor, materials, equipment/tools and other incidental matters necessary to complete the works in accordance with the contracts and approved detailed engineering activities; and other existing laws, rules and regulations relative thereto.

PH-2.0 PROJECT LOCATION

The project is located within the Agus 2 Hydroelectric Power Plant, Pawak, Saguiaran, Lanao del Sur.

PH-3.0 SCOPE OF WORK

The works and services to be performed by the Contractor for this undertaking shall essentially consist of, but not limited to the following, to wit:

- I. **MOBILIZATION**
- II. **CONSTRUCTION SAFETY AND HEALTH PROGRAM (180 DAYS)**
- III. **EXCAVATION**
 - A. **COLUMN FOOTING AND SEPTIC TANK**
 - B. **TIE BEAM**
 - C. **WALL FOOTING**
 - D. **BACKFILLING**
- IV. **CONCRETE WORKS**
 - A. **COLUMN FOOTING AND COLUMN**
 - B. **TIE BEAM AND WALL FOOTING**
 - C. **CONCRETE SLAB (GROUND FLOOR, 2ND FLOOR, CANOPY & SEPTIC TANK)**
 - D. **BEAM AND ROOF BEAM**
- V. **REINFORCEMENT BAR DSB**
- VI. **MASONRY AND PLASTERING**

- A. CHB LAYING / CONCRETE WALL INCLUDING PLASTERING / SMOOTH FINISH
- B. SEPTIC TANK & CATCH BASIN
- VII. ROOF FRAMING AND STEEL WORKS INCLUDING INSTALLATION OF STAINLESS PIPE
- VIII. ROOF SHEATHING
- IX. ELECTRICAL WORKS
- X. PLUMBING WORKS (PIPING AND FIXTURES)
- XI. CEILING WORKS
- XII. DOORS AND WINDOWS
- XIII. TILE WORKS
- XIV. PAINTING WORKS
- XV. DEMOBILIZATION INCLUDING CLEARING OF SITE/DEMOLITION OF CONTRACTORS CAMP FACILITIES

PH-4.0 CONTRACT PERIOD

The contractor shall complete the works as specified in Clause 3 within **One Hundred Sixty (160) calendar days**. The total contract duration is inclusive of six (6) unworkable days considered unfavorable for the execution of work at site. The contract period shall be reckoned from the date of contract effectively as specified in the Notice to Proceed.

PH-5.0 CONTRACTOR'S CLASSIFICATION

The contractor must have a valid Philippine Contractors Accreditation Board (PCAB) license of at least **Category C or D – General Building** with inter- agency registration and classification of at least **Small B – Building or Industrial Plant**.

The Contractor must have undertaken similar contracts that involve construction/rehabilitation/expansion of commercial, Industrial or office building provided that the contract cost shall be at least equivalent to 50% of ABC.

TECHNICAL SPECIFICATIONS

I. MOBILIZATION

The Contractor shall secure clearance from the Agus 1&2 HPP Security office to start of work and for the issuance of worker's Identification Card (I.D.). Upon approval, the Contractor shall bring to the site all necessary tools, equipment and other incidentals necessary for the proper execution of all the activities. He shall construct bunkhouse for the workmen and for the storage of all the construction materials on designated approved location.

GENERAL SCOPE

This section covers the construction and/or maintenance of access roads, drainage system and other appurtenant structures, moving-in of the Contractor's construction equipment, setting up of the Contractor's camp and the disposition of the Contractor's various facilities at the end of the Contract.

Moving-in

The contractor shall bring to the site all his necessary construction equipment and plant and install all stationary construction equipment and plant at location and in the manner approved by the NPC. The Contractor shall submit sufficient detailed plans showing the proposed location of such stationary equipment and plant and other pertinent data. No installation of such stationary equipment shall be undertaken unless the corresponding plans have been approved by the NPC.

Contractor's Camp Facilities

The Contractor shall provide and grade his camp site, construct his camp, employee housing, warehouse, machine and repair shops, fuel storage tanks and provide such related facilities and sanitary conveniences that the Contractor deems necessary for maintaining health, peace and order in the camp and work areas. The areas that may be used by the Contractor within the plant site shall be designated by the NPC.

The Contractor shall provide, maintain and operate, under competent direction, such camps and facilities as are necessary for the housing, feeding and accommodation of his employees.

Water Supply

The Contractor shall, at his own expense, be responsible for the supply, installation, operation and maintenance of a safe and adequate supply of drinking and domestic water.

Sewerage Disposal and Sanitation

The Contractor shall, at his own expense, be responsible for the installation, operation and maintenance of an adequate sewerage disposal and sanitation system and shall provide adequate toilet and wash-up facilities for his employees at his camp and in the areas where work is being carried out.

The Contractor shall execute the work with due regard to adequate sanitary provisions and applicable codes and shall take all necessary steps to prevent the pollution of water in any spring, river, or other sources of water supply. All toilets or wash-up facilities shall be subject to the prior and continuing approval of the NPC.

Fire Protection

The Contractor shall observe all necessary precautions against fire, shall provide and maintain at his own expense, portable fire-fighting equipment he may deem necessary, and shall comply with all applicable laws of the Philippines relating thereto.

In the event of an uncontrollable fire occurring in the area of the Contractor's operation, the Contractor shall have to extinguish the fire immediately at his own expense, to the full extent of the manpower and equipment employed under the contract at the time of the fire.

The Contractor shall indemnify NPC against all liabilities, claims, damages and/or lawsuits arising thereto.

Construction Power

The Contractor shall be responsible for providing his own electric power supply required for construction and erection/installation. If power is available from NPC and should the Contractor elect to utilize the NPC's power supply, he shall make an arrangement with NPC concerned group as to the billing rates and other requirements needed for direct connection to NPC.

Camp Security

The Contractor shall provide his own security force to the extent that he deems necessary for maintaining peace and order in the camp and work areas and to safeguard materials and equipment. Nothing under the provisions of this paragraph shall relieve the Contractor from full responsibility for the maintenance of peace and order and protection of life and property in all areas where he operates.

Construction Material Storage

The Contractor is required to put up warehouse(s) with capacities sufficient to store the construction materials required in the work. the warehouse(s) shall be specifically for this contract, notwithstanding his other facilities in the site that may serve the purpose.

Removal of Camp and Construction Facilities

After the completion of the work covered by the contract and prior to acceptance of the completed work, the entire camp facilities of the Contractor, including its water supply system, electric distribution system, quarters, warehouses, shops, dining halls, commissaries, temporary shed and other facilities therein shall be removed by the Contractor. The site shall be cleared and cleaned as directed by the NPC.

Measurement and Payment

No separate measurement and payment will be made for the Contractor's Construction Facilities. The entire cost thereof shall be included in the various pay items in the Bill of Quantities.

CARE OF WATER DURING CONSTRUCTION**Scope**

In accordance with the specifications contained in this section or otherwise directed, the Contractor shall construct and maintain all necessary temporary drainage ditches and other temporary protective works and he shall also furnish, install, maintain and operate necessary pumping equipment and other devices to protect construction operation free from water coming from any source, including rain.


Drainage and Dewatering

The Contractor shall be responsible for dewatering foundation areas so that work can be carried out on a suitably dry condition. The Contractor shall construct drainage ditches, holes, culverts, furnish, maintain and operate at his own expense all necessary pumps and other dewatering devices to keep all work area free from water.

After the work is completed and before it is accepted by the NPC, the Contractor shall remove all pumping equipment and shall remove, fill or plug all temporary drainage structures as directed, all at his expense.

Measurement and Payment

No separate measurement and payment will be made for the Care of Water During Construction operations. The cost of furnishing, constructing, maintaining, operating and removing of temporary drainage structure, pumping system and other dewatering devices necessary to keep construction operations free from water, shall be included in the various pay items in the Bill of Quantities for structures where such care of water is required.



ENVIRONMENTAL AND CONSTRUCTION SAFETY AND HEALTH PROGRAM

GENERAL SCOPE

This Section pertains to the environmental and safety provisions, requirements and conditions that shall govern during the execution of all civil works under this project.

General Conditions

The Contractor shall ensure compliance with the applicable environmental and safety regulations, as well as ECC conditions, during installation/construction of this project through the implementation of measures that include, but not limited to the following:

- a. Designate a Safety Officer and a Pollution Control Officer who shall respectively handle all safety and environmental concerns of the project.
- b. Prepare and submit Construction Safety Health Plan (CSHP)
- c. Properly manage debris and various waste generated during installation/construction, such as the following:
 - Dispose of demolition and construction debris in a designated or NPC approved disposal area(s);
 - Stockpile (and cover if possible) or haul to the designated and/or pre developed dump sites (spoil disposal areas) that shall be provided with suitable drainage-equipped with sediments traps, stripped top soil, spoils from quarry/borrow sites and excavated materials;
 - Segregate solid wastes, such as empty cement sacks, scraps of tin or wood, used wires and other domestic, garbage, for recycling or storage in NPC-approved temporary storage areas and further disposal to LGU-designated disposal sites
 - Properly handle, store and dispose off, through DENR-accredited transporter/treater, hazardous wastes i.e. used oils, paints, thinner. Etc.
- d. Limit construction activities that generate excessive noise to daytime works only to prevent nuisance to nearby residents during rest hours.

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SECTION VI- SPECIFICATIONS

- e. As far as practicable, undertake site stripping, grading and excavation during dry weather.
- f. Construction/Installation shall be carried-out in a manner where landslides and erosions are minimized.
- g. Avoid unnecessary opening/clearing of areas outside construction sites or destruction of vegetable cover, especially cutting of existing trees; and to revegetate disturbed areas.
- h. Spray water, whenever and wherever necessary, to minimize dust generation.
- i. Provide PPE's and other safety provisions required by DOLE, for its project/site works.

Measurement and Payment

Measurement and payment shall be made at the contract unit price or lot price as specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, tools equipment and other incidentals necessary for the satisfactory implementation of these requirements.

II. EARTH WORKS:**I. Excavation and Backfilling**

The Contractor shall excavate up to level specified on the approved drawings. In case there are rocks present during the course of excavation, rocks with a diameter of 300mm and below shall be thoroughly remove. Rocks larger than 300mm shall be retained but properly cleaned with soil to ensure bonding with concrete. Backfilling shall commenced after CHB wall has been plastered, Backfill materials shall be well compacted before another layer of backfill is applied.

III. CONCRETE WORKS (3000PSI) AND FORMS**I. General Scope**

This item shall consist of furnishing, placing and finishing concrete in accordance with the specification and conforming to the lines, grades, and dimension shown on the plans.

II. Materials

Aggregates to be used shall be clean and free from looms alkali, organic matters of other deleterious substance which may impair the strength of concrete.

Water used in gauging concrete shall be reasonably clean, free from oil, acid, alkali or other deleterious substances.

All footings, columns, Tie beams, walls foundations, and floor slab shall be class "A" mixture 1:2:3;

III. Workmanship

Installation shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement of payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

IV. REINFORCEMENT BAR DSB**I. General scope**

This item shall consist of furnishing, bending, fabricating and placing of steel reinforcement of the type, size, shape and grade required in accordance with this Specification and in conformity with the requirements shown on the Plans or as directed by the NPC Engineer.

II. Materials

Reinforcing steel shall conform when tested to the requirements of the following Specifications:

Deformed Billet-Steel Bars for Concrete Reinforcement	AASHTO M 31 (ASTM A 615/PNS 49)
Deformed Steel Wire for Concrete Reinforcement	AASHTO M 225 (ASTM A 496)
Welded Steel Wire Fabric for Concrete Reinforcement	AASHTO M 55 (ASTM A 185)
Cold-Drawn Steel Wire for	AASHTO M 32 (ASTM A 82)

Concrete Reinforcement	
Fabricated Steel Bar or Rod Mats for Concrete Reinforcement	AASHTO M 54 (ASTM A 184)
Welded Deformed Steel Wire Fabric of Concrete Reinforcement	AASHTO M 221 (ASTM A 497)
Plastic Coated Dowel Bars	AASHTO M 254 Type A
Low Alloy Steel Deformed Bars for Concrete Reinforcement	ASTM A 206

Bar reinforcement for concrete structures, except No. 2 bars shall be deformed in accordance with AASHTO M 42, M 31 and M 53 for Nos. 3 to 11.

Dowel and tie bars shall conform to the requirements of AASHTO M 31 (ASTM A 615/PNS 49) or AASHTO M 42 except that rail steel shall not be used for tie bars that are to be bent and restraightened during construction. Tie bars shall be deformed bars. Dowel bars shall be plain round bars. They shall be free from burring or other deformation restricting slippage in the concrete. Before delivery to the site of the work, a minimum of one half (1/2) the length of each dowel bar shall be painted with one coat of approved lead or tar paint.

The sleeves for dowel bars shall be metal of an approved design to cover 50 mm, plus or minus 6.3 mm of the dowel, with a closed end, and with a suitable stop to hold the end of the sleeve at least 25 mm from the end of the dowel bar. Sleeves shall be of such design that they do not collapse during construction.

Plastic coated dowel bar conforming to AASHTO M 254 may be used.

III. Workmanship

Reinforcement bar works shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement and payment

Measurement for payment for reinforcing steel (except reinforcing steel which are not be measured for separate

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payment) will be based on the number of kilograms placed and accepted.

Payment will be made at the contract unit price for the item, Reinforcing Steel, in the Bill of Quantities, which payment shall constitute full compensation for furnishing, scheduling, cutting, bending and placing reinforcing steel.

V. MASONRY WORKS

I. General Scope

This Item shall consist of furnishing of all necessary materials, tools, equipment and labor to complete Masonry works.

II. Materials

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.

All CHB walls shall be 4 inch (for partition walling) and 6 inch thick CHB for outer walling and plastered on both face with an average thickness of 16mm.

All concrete hollow blocks shall be laid with mortar composed of one part cement and three part sand, Horizontal and Vertical joints shall be 3/8" thick bonding.

Unless otherwise indicated on the plan vertical and horizontal reinforcement of concrete hollow blocks shall be spaced at 0.6 meters both ways and shall be properly tied no less Ga. Tie wire.

III. Workmanship

Masonry works shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

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VI. ROOF FRAMING AND STEEL WORKS INCLUDING INSTALLATION OF STAINLESS PIPE

I. General Scope

This Item shall consist of furnishing of all necessary materials, tools, equipment and labor to complete steel works and Fabrication of Roof Framing (see attached Plans and Drawings).

II. Materials

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.

All materials to be used shall conform to applicable standard. If upon visual inspection the materials appear to be of poor quality or fail to meet the standard, the NPC Inspector has the authority to reject the same out rightly.

III. Workmanship

Steel works and Fabrication shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

VII. TINSMITHRY/ROOFING WORKS.

I. General Scope

The Contractor shall furnish all labor, materials and operations including tools, other implements and accessories for the complete installation of roofing sheets wherever indicated in plans and drawings.

Installation shall be performed by skilled workmen in accordance with the construction and shop drawings and the manufacturer's standard.

Shop drawings and manufacturer's catalogue showing the product standards and technical data will be provided by the Contractor to the NPC representative for approval.

II. Materials

Material for roofing will be weather and chemical resistant. It shall belong Span Color Roof type. Base metal shall be determined as specified in the drawing that shall range from 0.4 to 0.6mm thick. Bended sheets such as flat barge caps, flashings, ridge rolls, capping and mouldings that serve as its accessory components shall have the same composition with the roofing and siding sheets of which minimum thickness base metal shall be 0.4mm. Gutters likewise shall have the same material composition with base metal thickness of 0.6mm unless otherwise specified in the drawing commonly as stainless.

III. Workmanship

Roofing and siding sheets shall be securely fastened on steel purlins and channels by hook or stove bolts or self-drilling screws or as required. Fasteners shall have a maximum distance of 0.30m O.C. along purlins.

Special care shall be given to the joints, lapping, bolting and setting of closers.

Installation of roof sheathing shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

VIII. DOORS AND WINDOWS

I. General Scope

This Item shall consist of furnishing of all necessary materials, tools, equipment and labor to install new doors and windows.

II. Materials

The doors shall be tempered with Glass (see attached Schedule of Doors and Windows).

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.

All materials to be used shall conform to applicable standard. If upon visual inspection the materials appear to be of poor quality or fail to meet the standard, the NPC Inspector has the authority to reject the same out rightly.

III. Workmanship

Installation of doors and windows shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

IX. TILE WORKS**I. General Scope**

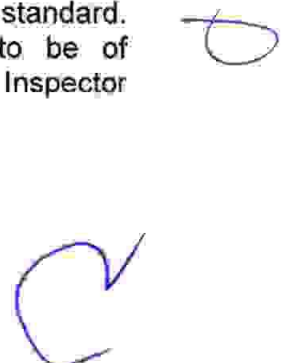
This Item shall consist of furnishing of all necessary materials, tools, equipment and labor to install new tiles. (see attached Plans and Drawings).

II. Materials

The materials shall be Ceramic floor tiles, 0.60m x 0.60m

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.

All materials to be used shall conform to applicable standard. If upon visual inspection the materials appear to be of poor quality or fail to meet the standard, the NPC Inspector has the authority to reject the same out rightly.



III. Workmanship

Tile Works shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

X. PAINTING WORKS**i. General Scope**

This Item shall consist of furnishing of all materials, labor, tools and ladders, scaffolding for the satisfactory performance of all work necessary to complete all painting and finishing of all surfaces throughout the interior and exterior of the Plant Maintenance Building except as otherwise specified.

ii. Materials

All paint materials shall meet the requirements of the Philippine National Standard Specifications for Paintings.

Paints shall be brought to the site in tightly closable, convenient, original containers, if nothing to the contrary is stipulated in the specification. The containers shall be marked in a durable manner with the following particulars:

- Maker
- Paint and relevant thinner
- Gross and net weights
- Date of supply by the maker's factory

Paint shall be used in accordance with the maker's instructions.

iii. Workmanship

Painting works shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

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iv. Measurement and Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

XI. CEILING WORKS**I. General Scope**

This Item shall consist of furnishing of all necessary materials, tools, equipment and labor to complete Ceiling works (see attached Plans and Drawings).

II. Materials

All materials to be used shall be of approved commercial quality and shall be subject for inspection and approval by NPC Inspector before use.

All materials to be used shall conform to applicable standard. If upon visual inspection the materials appear to be of poor quality or fail to meet the standard, the NPC Inspector has the authority to reject the same out rightly.

III. Workmanship

Ceiling works shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

6

C

XII. ELECTRICAL WORKS:**I. General Scope**

This Item shall consist of furnishing of all necessary materials, tools, equipment and labor to install the Lighting fixtures and Light Switches and other consumable items.

II. Materials

All electrical works and installation shall comply with the provisions of the latest edition of the Philippine Electrical Code (PEC) with the Rules and Regulations of the National and Local Authorities concerned.

Service voltages shall be 220 volts, 60Hz. All installation shall be concealed from view, wirings shall be incased in polyvinyl chloride (PVC) pipe sch, 40.

Minimum wire conduit size shall be No. 12 AWG THWN and 3/4" dia. PVC unless otherwise specified.

All materials to be used shall be new and appropriate type for both location and intended use.

III. Workmanship

Installation shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.


IV. Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

XIII. PLUMBING WORKS:**I. General Scope**

This Item shall consist of furnishing of all necessary materials, tools, equipment and labor to install consumable items in relation to Plumbing and Sanitary works.

6



II. Materials

Water closet, urinal and lavatory shall be Class AA brand or approved equivalent with complete accessories and shower set.

All sanitary pipes shall be Series 1000. All water line supply pipe shall PPR pipe (Polypropylene Random Pipe)

The Contractor shall construct Septic Tank (two units) (6m wide x 1.85m high) (see attached Plans and Drawings)

III. Workmanship

Construction of Septic Tank and Other Plumbing works shall be in accordance with approved standards and shall be subject for inspection and approval by NPC Inspector/End-User.

IV. Measurement of Payment

All measurement and payment shall be made at the contract unit price or lot price specified in the Bid Price Schedule. Payment shall include all cost in furnishing labor, materials, equipment and other incidentals necessary for the satisfactory completion of the project.

XIV. CLEAN-UP WORKS / FINAL INSPECTION / DEMOBILIZATION**i. GENERAL SCOPE**

This item shall consist of the disposition of entire Contractor's camp facilities, clearing and cleaning at the work site

ii. WORKMANSHIP

Before moving out, the contractor shall restore the orderly state of worksite by clearing all temporary structures. Remove all excess/waste materials and store in designated areas.

Before the Contractor will demobilize its construction equipment/ tools, materials and crew, he shall secure approval from NPC security office for the release of the contractor's equipment and to surrender the workers Identification (I.D) cards. A joint inspection with the NPC inspector and Contractor will be conducted to make sure that all his accomplishment / work that needs remedial attention or correction shall be done prior to the issuance of the Certificate of Completion.



iii. MEASUREMENT AND PAYMENT

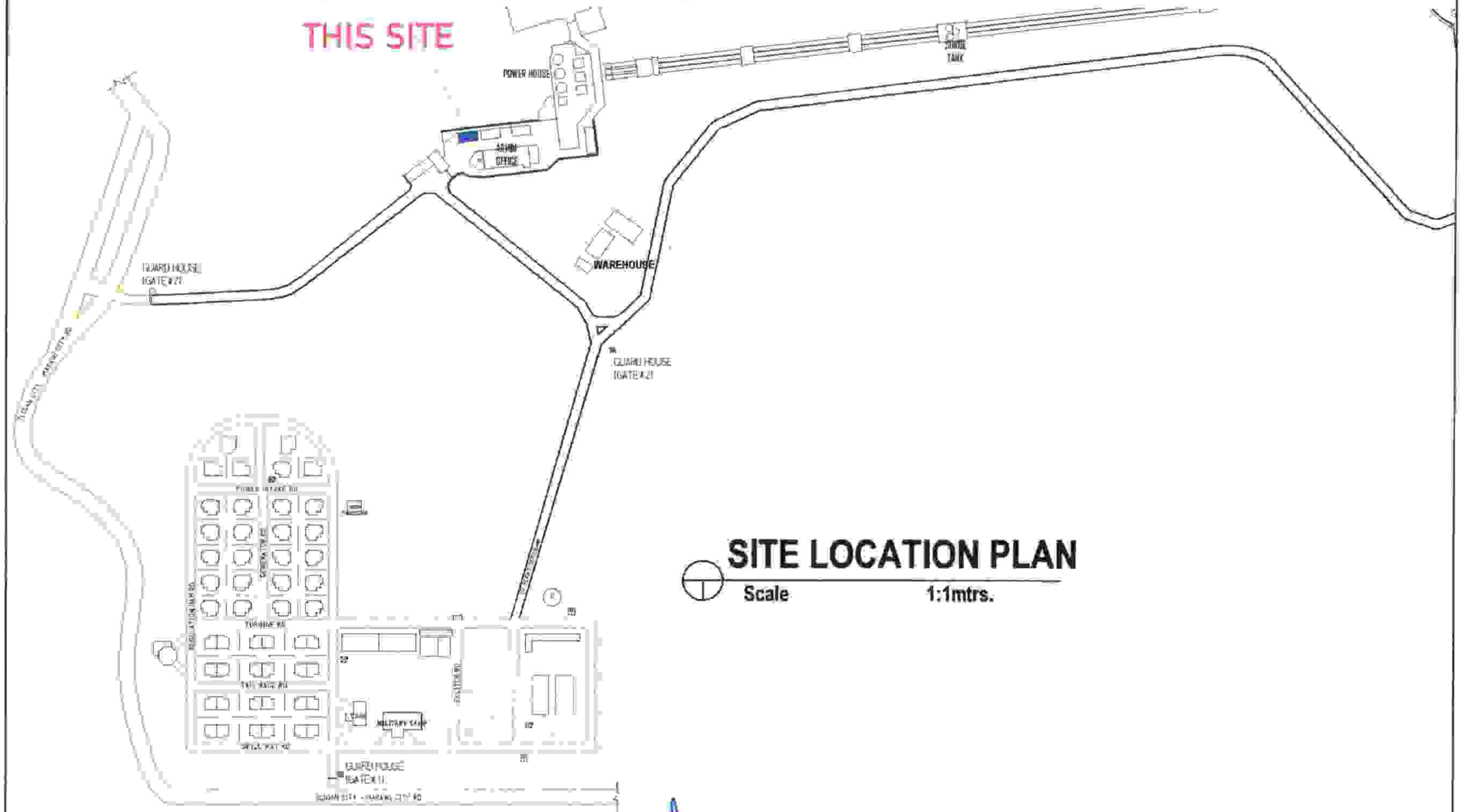
Work prescribe herein shall not be measured and paid separately, same shall be deemed to be included in pat items for other items for work.

Section VII. Drawings

Sheet No. 1A/41 –	SITE LOCATION PLAN
Sheet No. 1B/41 –	PERSPECTIVE
Sheet No. 2/41–	GROUND FLOOR PLAN
Sheet No. 3/41 –	SECOND FLOOR PLAN
Sheet No. 4/41 –	FRONT ELEVATION PLAN
Sheet No. 5/41 –	REAR ELEVATION PLAN
Sheet No. 6/41 –	RIGHT ELEVATION PLAN
Sheet No. 7/41 –	LEFT ELEVATION PLAN
Sheet No. 8/41 –	SECTION THRU “XX”
Sheet No. 9/41 –	SECTION THRU “YY”
Sheet No. 10/41 –	GROUND FLOOR ELECTRIC LIGHTING LAY-OUT PLAN
Sheet No. 11/41–	SECOND FLOOR ELECTRIC LIGHTING LAY-OUT PLAN
Sheet No. 12/41 –	GROUND FLOOR ELECTRIC POWER OUTLET PLAN
Sheet No. 13/41 –	SECOND FLOOR ELECTRIC POWER OUTLET PLAN
Sheet No. 14/41 –	SCHEDULE OF LOADS
Sheet No. 15/41 –	SINGLE LINE DIAGRAM
Sheet No. 16/41 –	GENERAL NOTES
Sheet No. 17/41 –	GROUND FLOOR SANITARY PIPELINE PLAN
Sheet No. 18/41 –	SECOND FLOOR SANITARY PIPELINE PLAN
Sheet No. 19/41 –	SEPTIC PLAN, SEPTIC VAULT SECTION DETAIL, FLOOR DRAIN AND CLEANOUT DETAIL

Sheet No. 20/41–	GREASE TRAP DETAIL, FLASH TYPE FLOOR CLEAN-OUT DETAIL, WATER CONNECTION DETAIL AND VERTICAL AND HORIZONTAL SOIL PIP CONNECTION
Sheet No. 21/41 –	FOUNDATION PLAN
Sheet No. 22/41 –	C1F1 DETAIL
Sheet No. 23/41 –	C2F1 DETAIL
Sheet No. 24/41 –	WALL FOOTING 1 AND WALL FOOTING 2 DETAILS
Sheet No. 25/41 –	SECOND FLOOR FRAMING PLAN
Sheet No. 26/41 –	ROOF BEAM PLAN
Sheet No. 27/41 –	TIE BEAM, BEAM 1 AND ROOF BEAM DETAILS
Sheet No. 28/41 –	BEAM 2, 3, 4 AND 5 DETAILS
Sheet No. 29/41 –	TYPICAL SLAB DETAIL
Sheet No. 30/41 –	STAIR PLAN AND STAIR CASE DETAIL
Sheet No. 31/41 –	STEEL RAILINGS DETAIL AND STAINLESS PIPE DETAIL
Sheet No. 32/41 –	ROOF PLAN
Sheet No. 33/41 –	ROOF FRAMING PLAN
Sheet No. 34/41 –	STEEL RAFTER 1, 2, 3 AND 4 DETAILS, FASCIA BOARD DETAILS
Sheet No. 35/41 –	SCHEDULE OF DOORS
Sheet No. 36/41 –	SCHEDULE OF WINDOWS
Sheet No. 37/41 –	GROUND FLOOR REFLECTED CEILING PLAN
Sheet No. 38/41 –	SECOND FLOOR REFLECTED CEILING PLAN
Sheet No. 39/41 –	GROUND FLOOR TILE LAY-OUT PLAN
Sheet No. 40/41 –	SECOND FLOOR TILE LAY-OUT PLAN
Sheet No. 41/41 –	COMFORT ROOM DETAILS

THIS SITE



SITE LOCATION PLAN

Scale

1:1mtrs.



AGUS 1&2
HEPG

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAŌ DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCHT				
CIVIL				
MECHL				
ELECTL				

SUBMITTED:

S. A. A. SOHAILI
REC. PT. D. 1/1/1982 HEPG

REVIEWED:

J. M. MATMAN, DM, CESE
Plant Mgr. Agus 2 HEPC

RECOMMENDED:

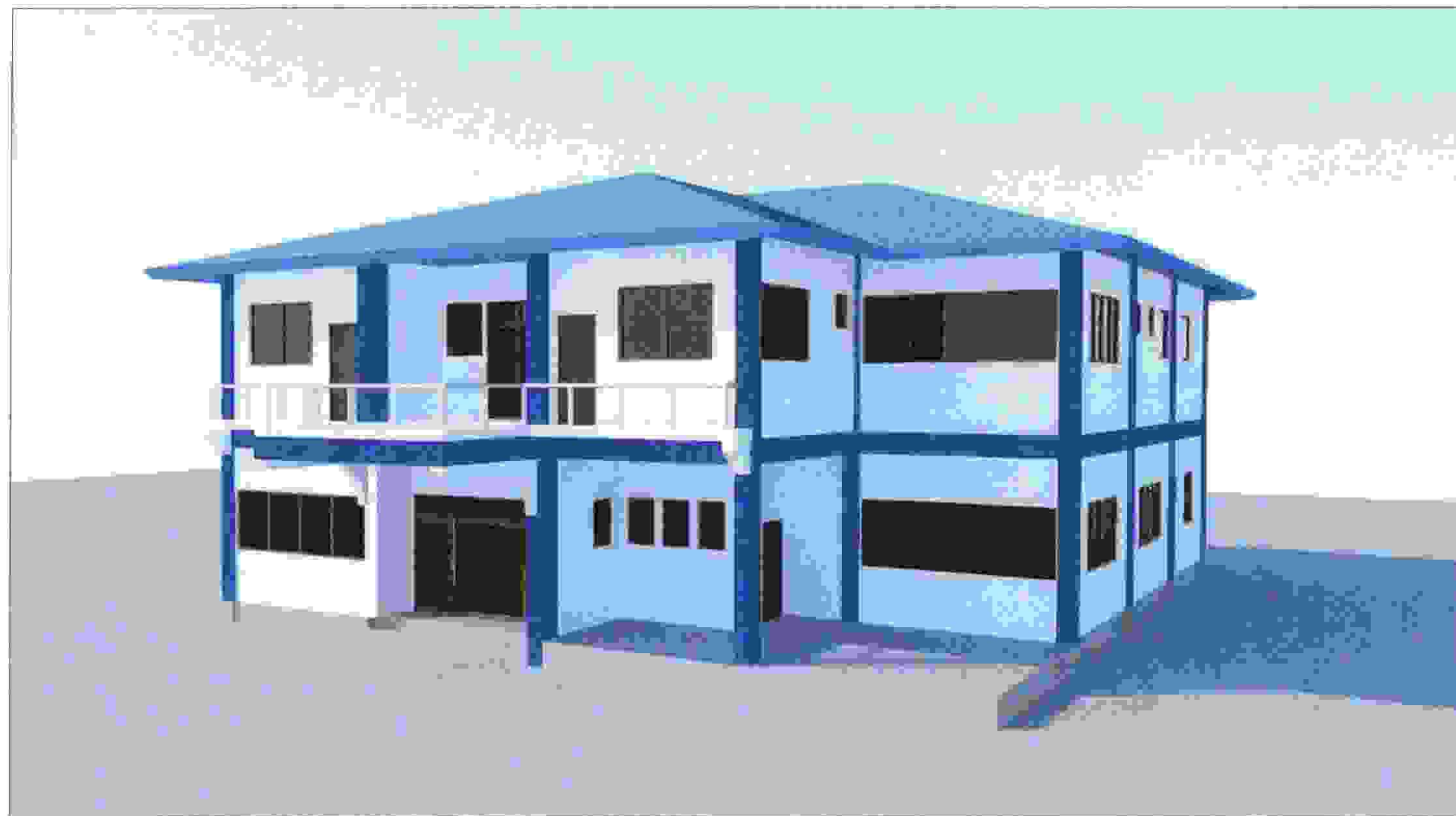
M. T. BAUTIL, Ph.D.
Plant Mgr. Agus 1&2 HEPG

APPROVED BY:




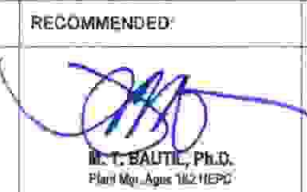


EDMONDO A. VELOSO, JR.
VP, Operations

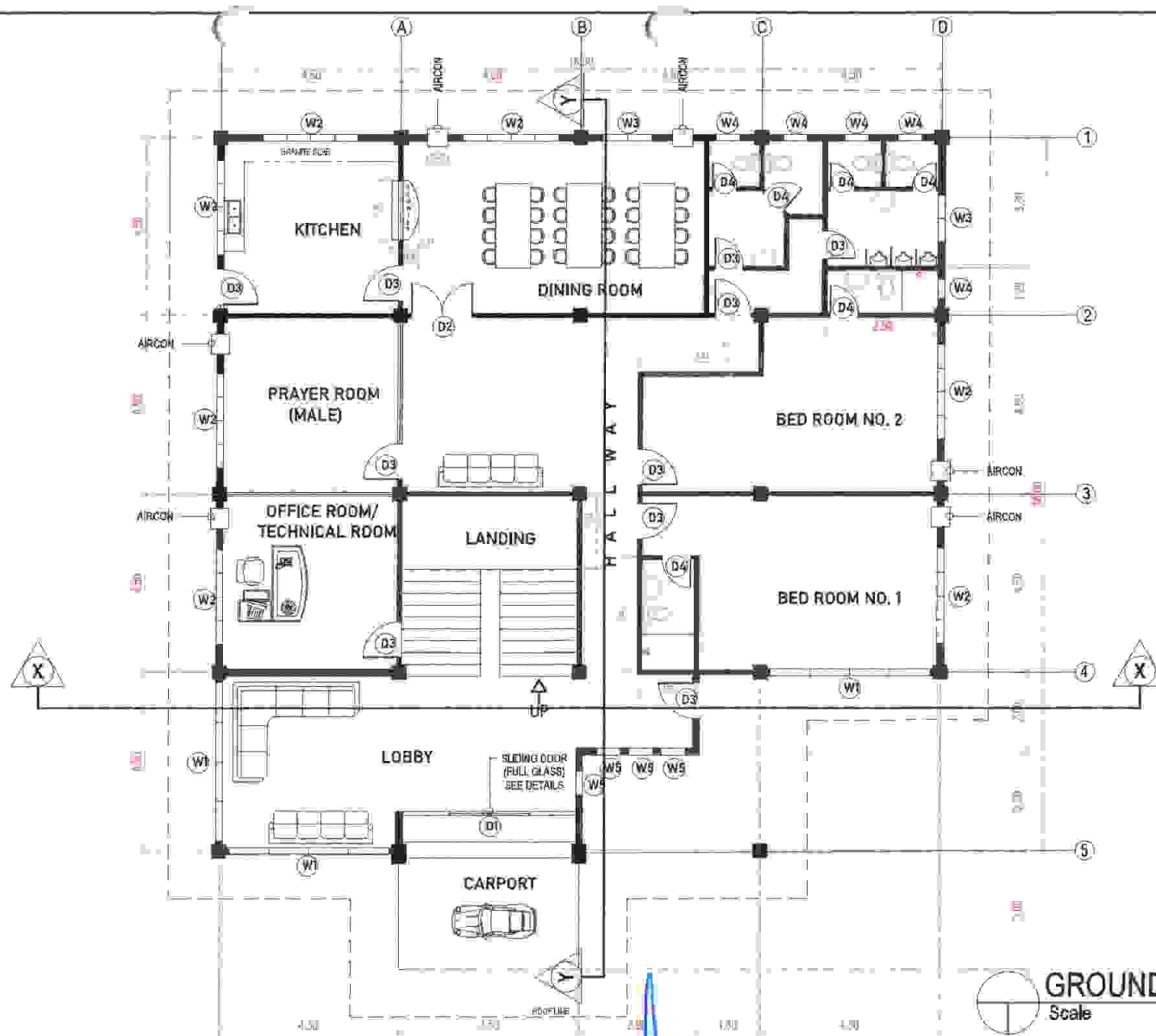
SHEET No:

14
41









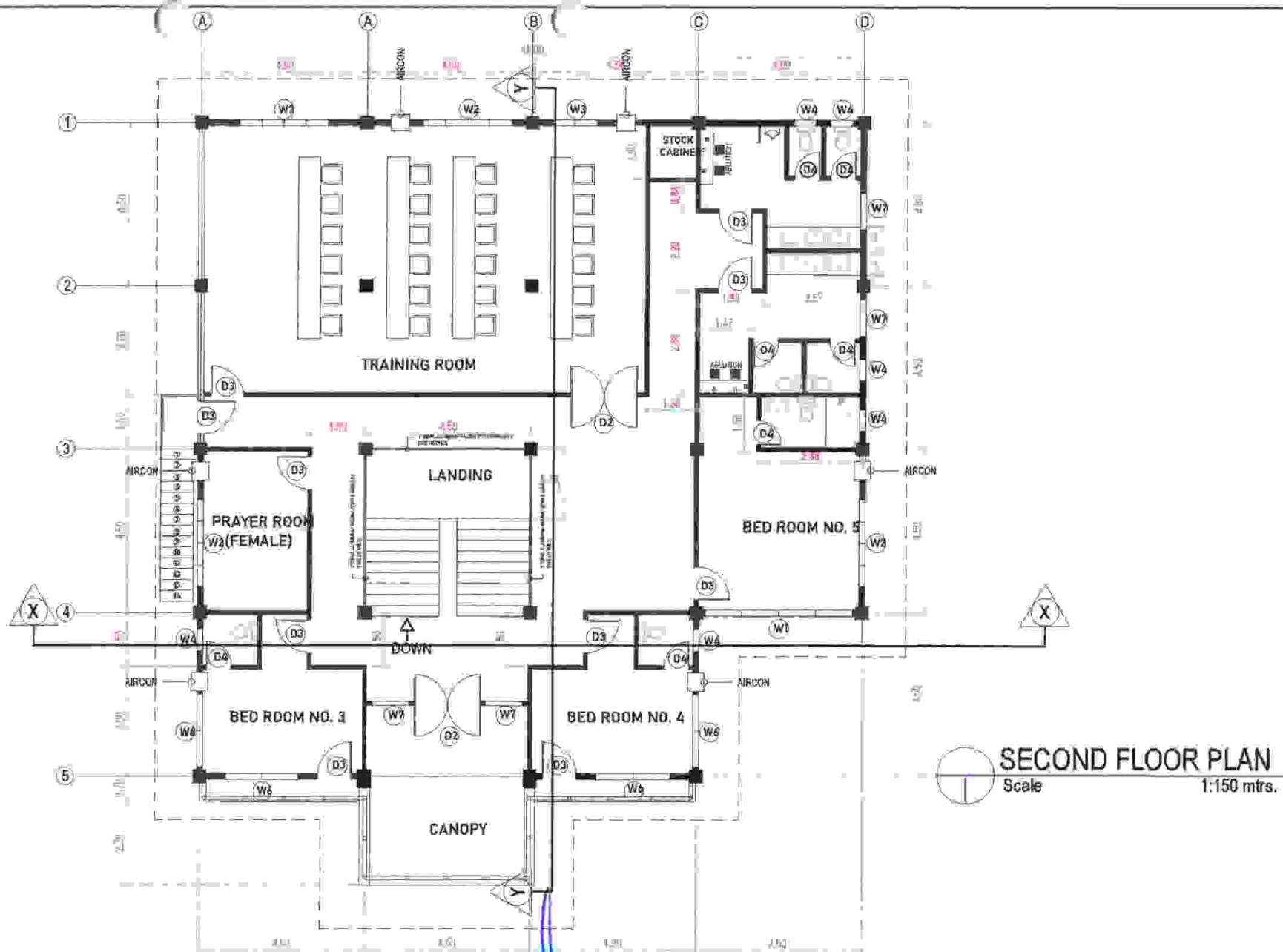
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 AGUS 1&2 HEPG	PROJECT TITLE:		DESIGN	BY	DATE	CHECKED	DATE	SUBMITTED:	REVIEWED:	RECOMMENDED:	APPROVED BY:	SHEET No:		
	CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUIARAN, LANA O DEL SUR		ACAD	SAHS				 S. A. H. SOHAILI P.E., P.T.S.O., Agus 1&2 HEPG	 L. M. MATUAN, DM, CESE OAA Member	 M. T. BAUTIL, Ph.D. Plant Mgr., Agus 1&2 HEPG	 EDUARDO A. VELOSO, JR. Mechanical Coordinator			
				SUPERVISOR	SECTION HEAD									
			ARCH'L											
			CIVIL											
			MECH'L											
ELECT'L														



GROUND FLOOR PLAN
Scale 1:150 mtrs.

 AGUS 1&2 HEPG	PROJECT TITLE:	BY	DATE	CHECKED	DATE	SUBMITTED:	REVIEWED:	RECOMMENDED:	APPROVED BY:	SHEET No:
	CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR	DESIGN	SAHS			 S. A. H. SOHAILI P.E.C. F.T.S.O. Agus 1&2 HEPG	 I. M. MATUAN, DM, CESE P.E.C. F.T.S.O. Agus 2 HEPG	 M. T. BAUTIL, P.E.D. Plant Mgr., Agus 1&2 HEPG	 EDMUNDO A. VELOSO, JR. VP, Maintenance Corporation	
		ACAD	SAHS							
		ARCHT		SUPERVISOR	SECTION HEAD					
		CIVIL								
		MECHL								
		ELECTL								



PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANA O DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'L				
CIVIL				
MECH'L				
ELECT'L				

SUBMITTED:

S. A. H. SOHAILI
P.E., P.E.B., Agus 1&2 HEPC

REVIEWED:

I. M. NATUAN, DM, CESE
C/M Agus 2 HEPC

RECOMMENDED:

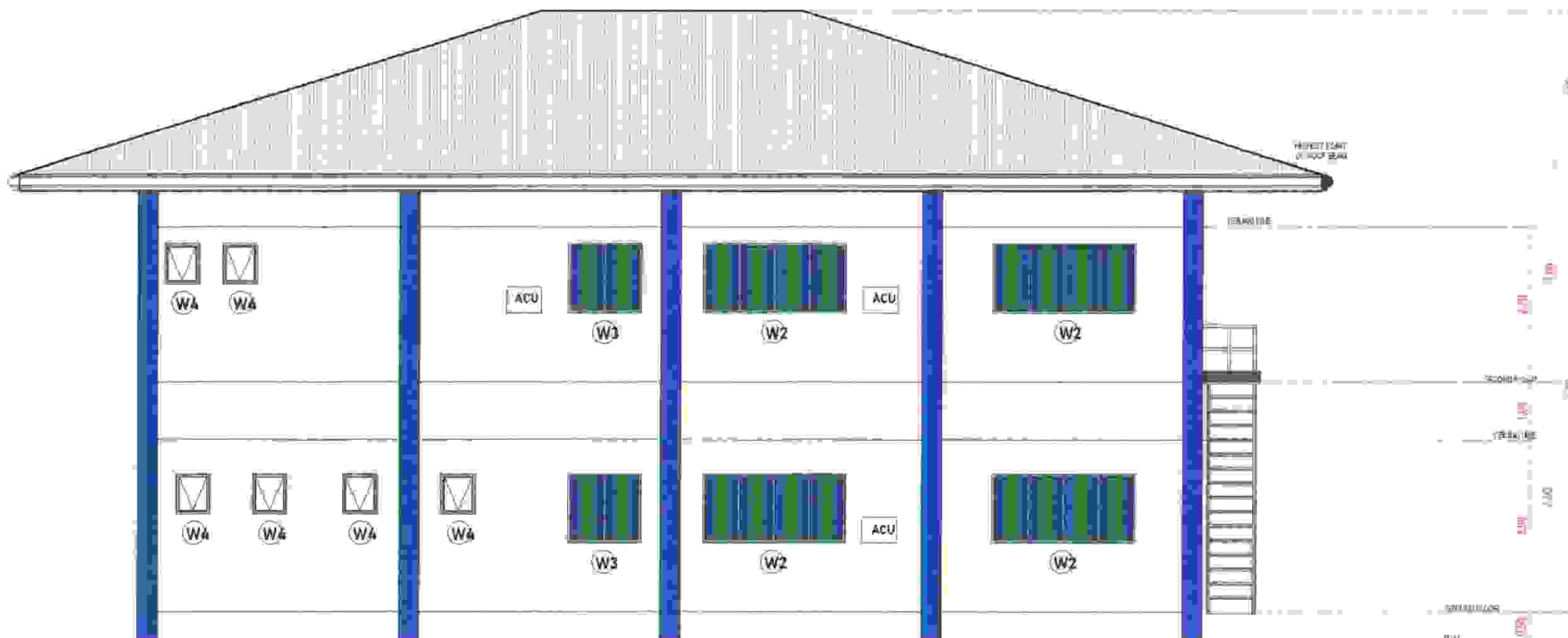
M. T. BAUTIL, P.E.D.
Plant Mgr. Agus 1&2 HEPC

APPROVED BY:

EDMUNDO A. VELOSO, JR.
VP, Engineering Corporation

SHEET No:

341



REAR ELEVATION
Scale 1:100 mtrs.



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR

DESIGN
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SAHS

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SUBMITTED

REVIEWED

RECOMMENDED

APPROVED BY

SHEET No:

SUPERVISOR

SECTION HEAD

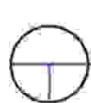
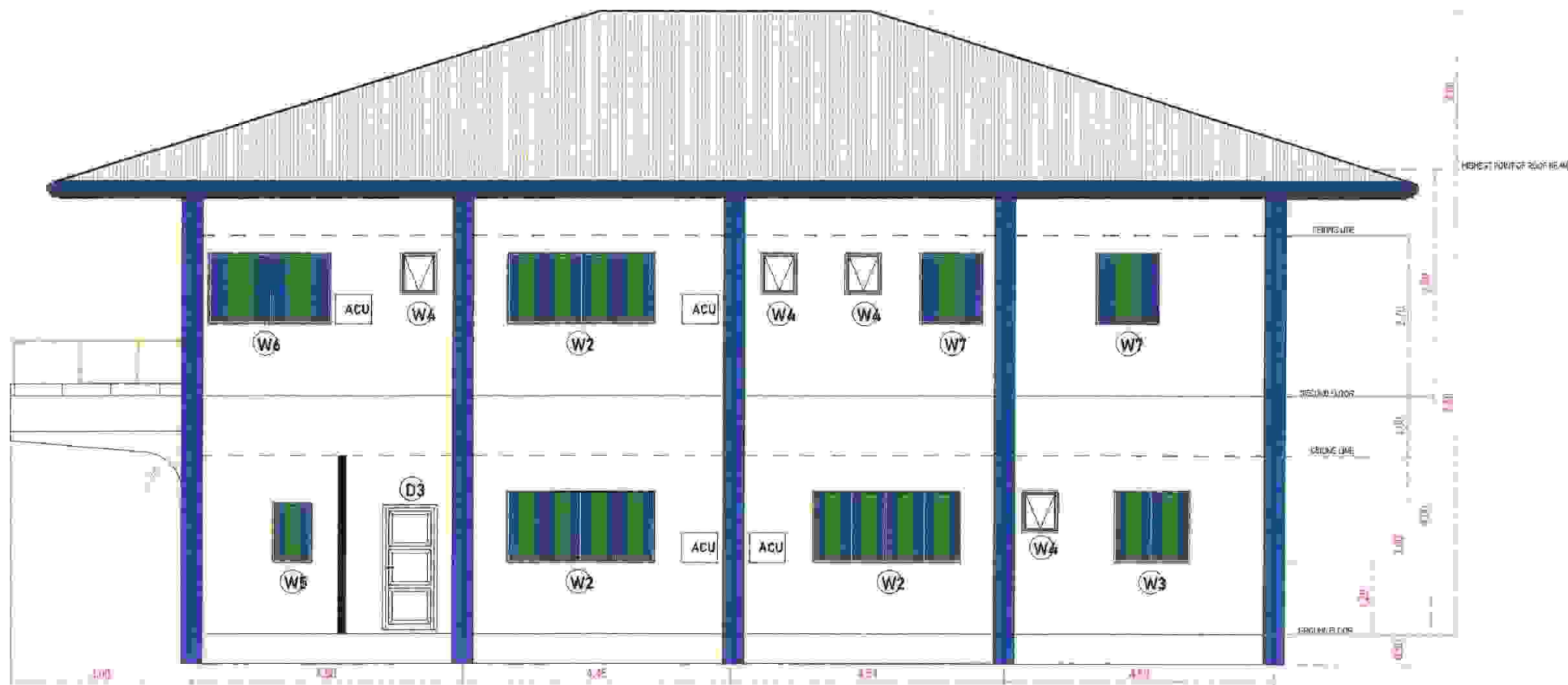
S. A. H. SOHAILI
PEO PTSD, Agus 1&2 HEPC

I. M. MAHJAN, DM, CESE
CMM Mgr, Agus 2 HEPC

M. T. BAUTLE, Ph.D.
Plant Mgr, Agus 1&2 HEPC

EDUARDO A. VENOSO, JR.
VP, Administration, Generation

541



LEFT ELEVATION

Scale

1:100 mtrs.



AGUS 1&2
HEPG

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANA O DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'L				
CIVIL				
MECH'L				
ELECT'L				

SUBMITTED:

S. A. H. SOHAILI
P.E.C. PTSE, Agus 1&2 HEPG

REVIEWED:

J. M. MATUAN, D.M. GESE
C.A.M. Agus 2 HEPG

RECOMMENDED:

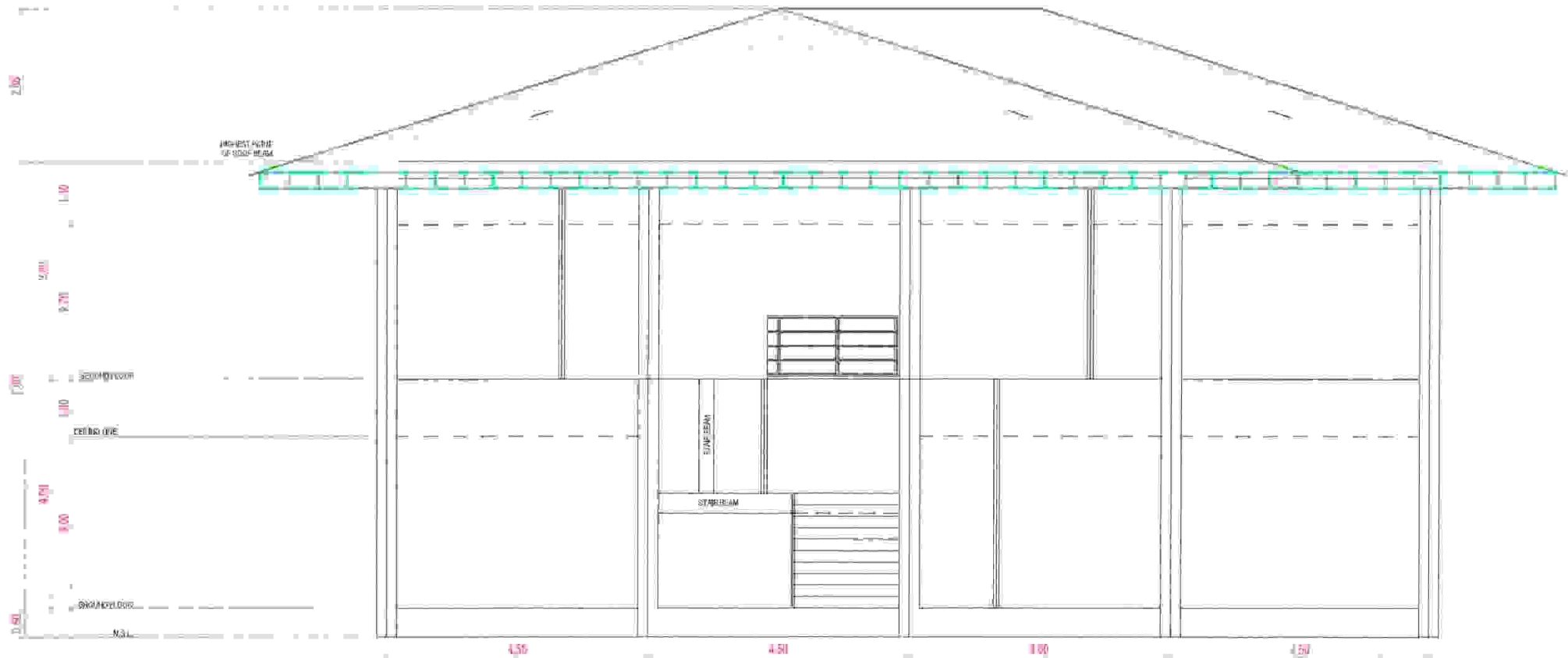
M. T. BANTIL, Ph.D.
Plant Mgr., Agus 1&2 HEPG

APPROVED BY:

EDMUNDO A. VELOSO, JR.
VP, Mindanao Generation

SHEET No.

741



SECTION THRU "XX"
 Scale 1:100 mtrs.



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANA DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCHT				
CIVIL				
MECHL				
ELECTL				

SUBMITTED:

S. A. H. SOHAILI
REC. P.TSD. Agus 1&2 HEPC

REVIEWED:

I. N. MATJIAN, DM, CESE
Plant Mgr. Agus 2 HEPC

RECOMMENDED:

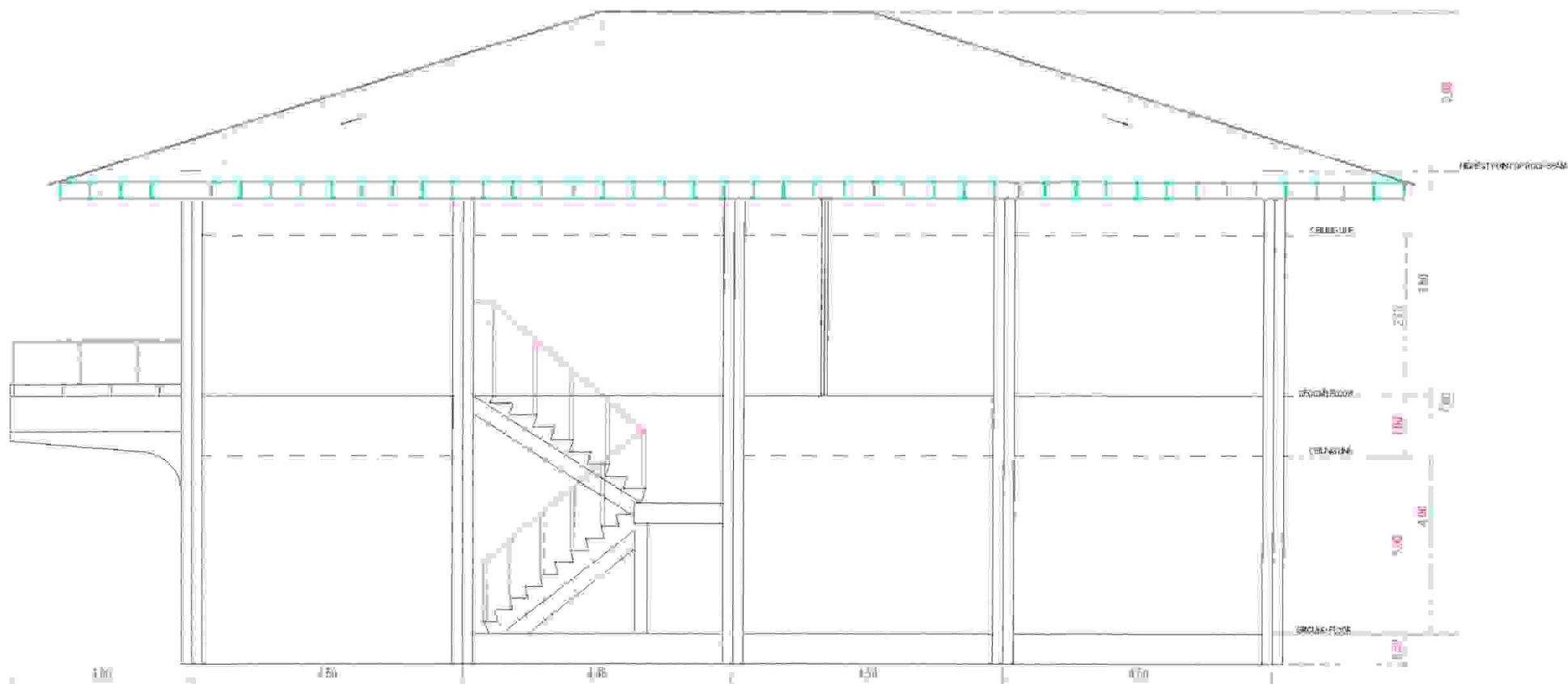
M. T. BAUTIL, Ph.D.
Plant Mgr. Agus 1&2 HEPC

APPROVED BY:


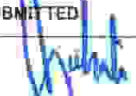




EDUARDO A. VELOSO, JR.
Asst. Plant Mgr. Agus 1&2 HEPC

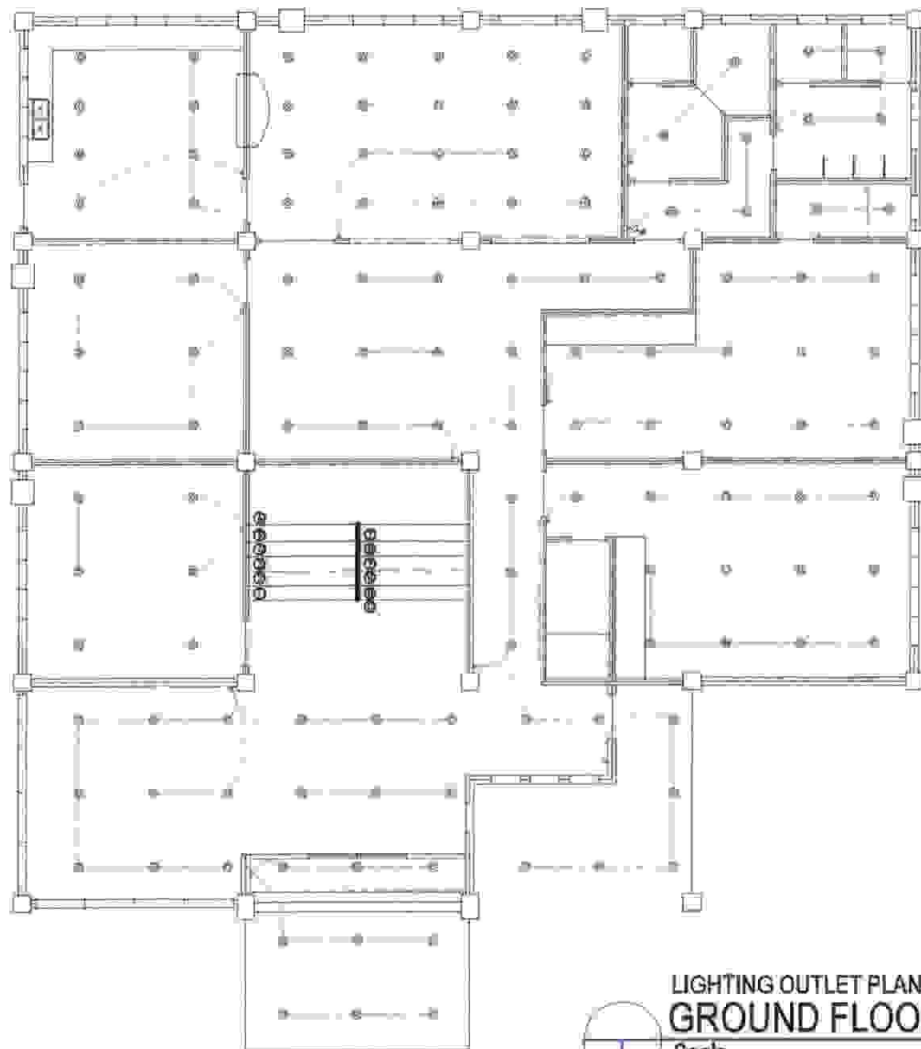
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SECTION THRU "YY"
Scale 1:100 mtrs.

 AGUS 1&2 HEPC	PROJECT TITLE:	BY	DATE	CHECKED	DATE	SUBMITTED	REVIEWED	RECOMMENDED:	APPROVED BY:	SHEET No:		
	CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR	DESIGN	SAHS				 S. A. H. SOHAILI REC. PT. AGUS 1&2 HEPC	 L. N. MATUAN, CM, CEE Chief Mgr. Agus 1&2 HEPC	 M. T. BAUTIL, Ph.D. Plant Mgr., Agus 1&2 HEPC	 EDMUNDO A. VELOSO, JR. VP. Maintenance Operation		
		ACAD	SAHS									
		SUPERVISOR		SECTION HEAD								
		ARCH'L										
		CIVIL										
MECH'L												
ELECT'L												



LEGENDS:

— DOWNLIGHT, 8W, LED, 220V

LIGHTING OUTLET PLAN
GROUND FLOOR ELECTRIC LAYOUT PLAN
Scale 1:150 mtrs.



PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT PAWAR, SAGUIARAN, LANAO DEL SUR

	By	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH				
CIVIL				
MECH				
ELECT				

SUBMITTED:

S. A. H. SOHAILI
PES, CTSO, Agus 1&2 HEP

REVIEWED:

I. M. MATUAN, DM, CESE
OAM Mgr, Agus 2 HEP

RECOMMENDED:

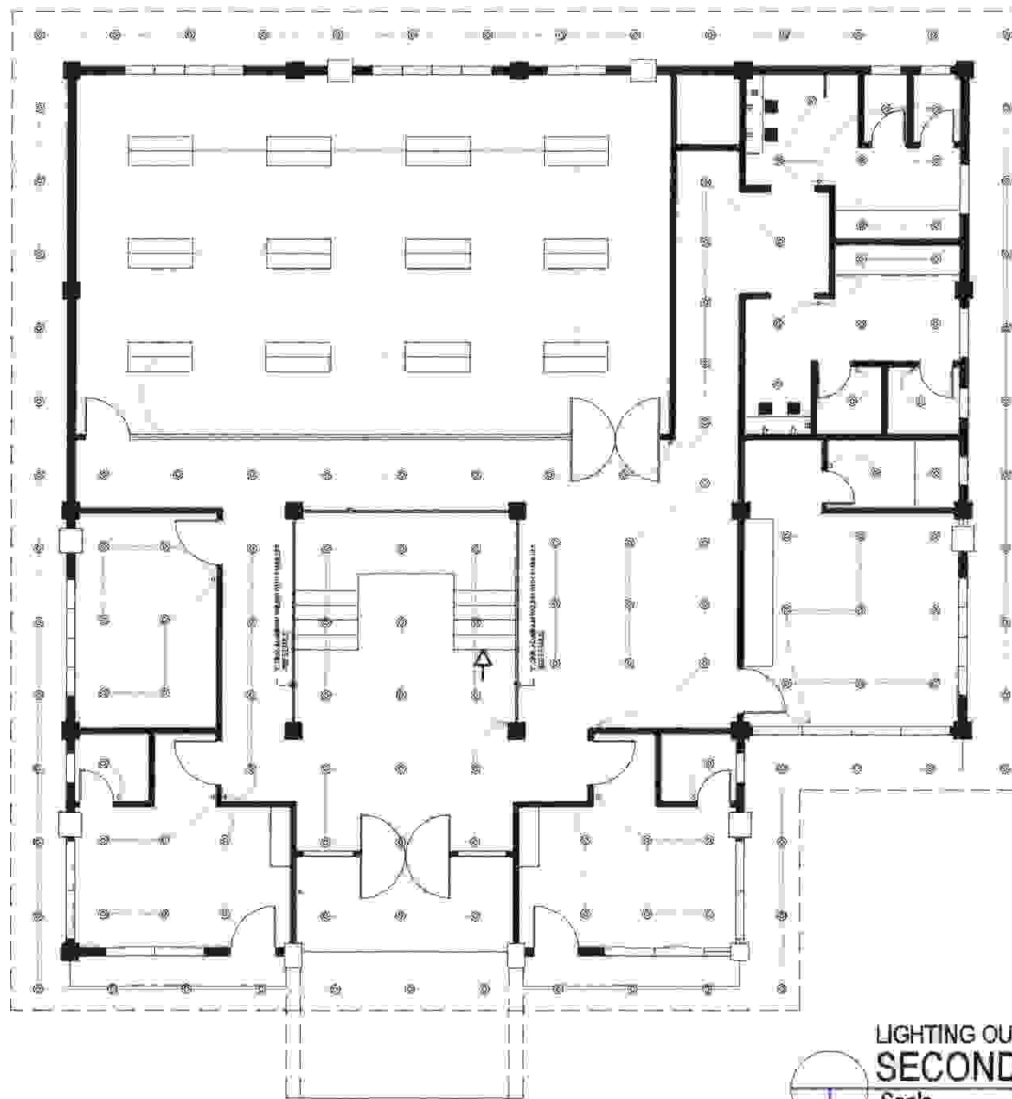
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VP, Mindanao Generation

SHEET No:

10
41



LIGHTING OUTLET PLAN
SECOND FLOOR ELECTRIC LAYOUT PLAN

Scale

1:150 mtrs.



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANA DEL SUR

DESIGN
ACAD
ARCHT
CIVIL
MECHL
ELECTL

BY
SAHS
SAHS
SUPERVISOR

DATE

CHECKED

DATE

SECTION HEAD

SUBMITTED:

S. A. H. SOHAILI
PECE FTSD, Agus 1&2 HEPC

REVIEWED:

M. M. MATDAN, DM, CESE
2M Mgr., Agus 1&2 HEPC

RECOMMENDED:

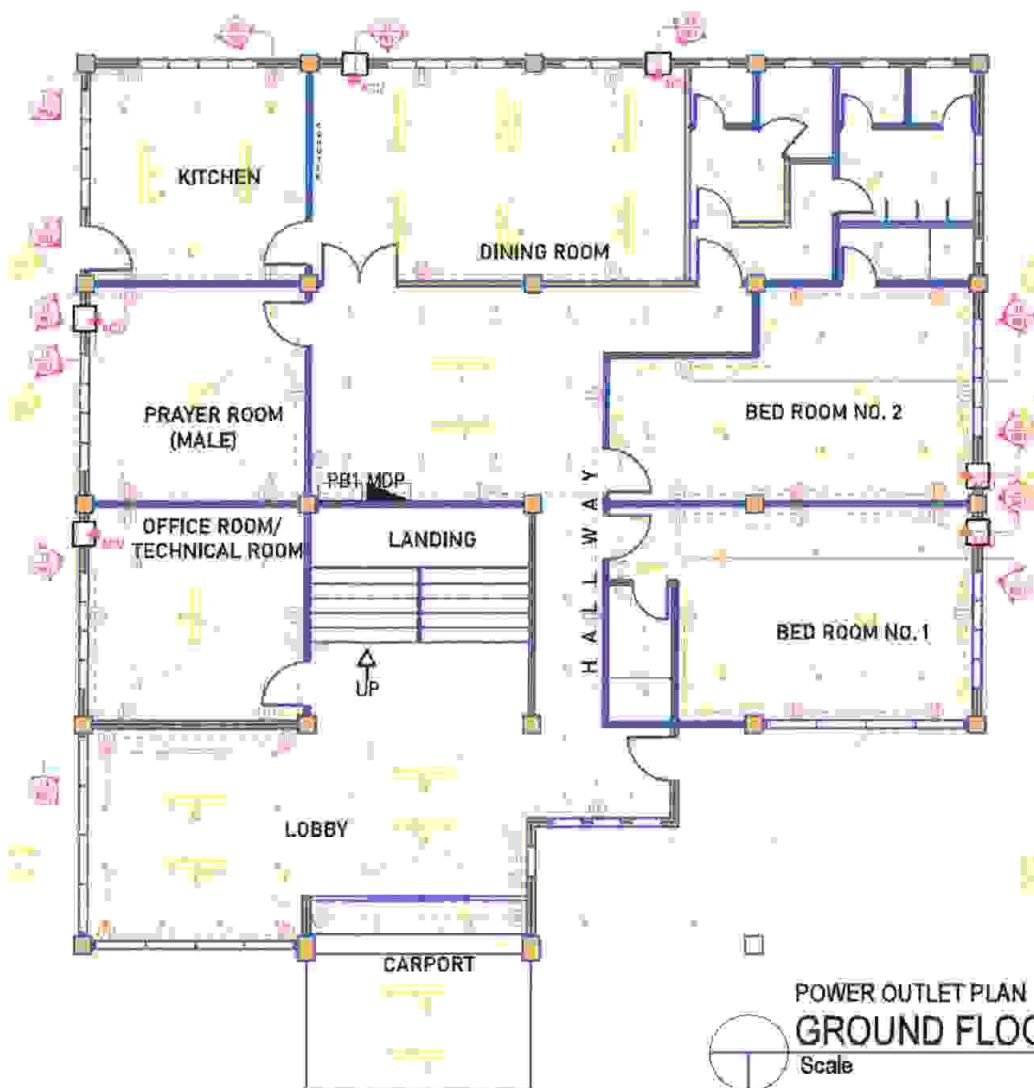
M. T. BACUL, Ph.D.
Plant Mgr., Agus 1&2 HEPC

APPROVED BY:

EDUARDO A. VELOSO, JR.
VP, Mindanao Generation

SHEET No.:

11
41



Legend:

- Down light outlet
- Surface-mounted
- Recessed Fluorescent
- ⌞ Wall-mounted lamp outlet
- ⌞ Wall-mounted outlet
- S₁ Single pole switch, subscript indicates lighting outlet controlled
- 3S₁ Three-way switch
- ⌞ Branch circuit no.
- Panel Board
- ⌞ Duplex receptacle outlet
- ⌞ Floor outlet
- ⌞ Heater receptacle outlet
- ⌞ Counter top range/Oven outlet
- ⌞ Air conditioning outlet
- ⌞ Branch circuit no.
- Panel Board

POWER OUTLET PLAN

GROUND FLOOR ELECTRIC LAYOUT PLAN

Scale

1:150 mtrs.



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'L				
CIVIL				
MECH'L				
ELECT'L				

SUBMITTED:

S. A. H. SCHAILI
REC'D AGUS 1&2 HEPC

REVIEWED:

I. M. MATUAN, DM, CESE
DM AGUS 1&2 HEPC

RECOMMENDED:

M. T. BAHIL, Ph.D.
Plant Mgr. Agus 1&2 HEPC

APPROVED BY:

EDUARDO A. VELOSO, JR.
VP, Mindanao Generation

SHEET No.

12
41



Legend:

- Down light outlet
- Surface-mounted
- Recessed Fluorescent
- ⌋ Wall-mounted lamp outlet
- ⌋ Wall-mounted outlet
- S₁ Single pole switch, subscript indicates lighting outlet controlled
- 3S₁ Three-way switch
- ⌋ Branch circuit no.
- Panel Board
- ⌋ Duplex receptacle outlet
- ⌋ Floor outlet
- ⌋ Heater receptacle outlet
- ⌋ Counter top range/Oven outlet
- ⌋ Air conditioning outlet
- ⌋ Branch circuit no.
- Panel Board

POWER OUTLET PLAN

SECOND FLOOR ELECTRIC LAYOUT PLAN

Scale

1:150 mtrs.



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCHL				
CML				
MECHL				
ELECTL				

SUBMITTED:

S. A. H. SQAHLI
PEO, P. 180, Agus 1&2 HEPC

REVIEWED:

E. M. MATUAN, DM, CESE
CMAA, P. 180, Agus 1&2 HEPC

RECOMMENDED:

M. T. BAITIL, Ph.D.
Plant Mgr., Agus 1&2 HEPC

APPROVED BY:

EDMUNDO A. VELOSO, JR.
VP, Maintenance Coordinator

SHEET No.





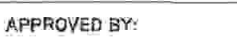

13
41

MAIN DISTRIBUTION PANEL "MDP"									
VOLTAGE: 230, 3Ø, 60Hz									
Circuit No.	LOAD DESCRIPTION	LOCATION	VA	AMPERE PER PHASE			CIRCUIT BREAKER	Wire size (sq)	Conduit size (Ø)
				AB	BC	CA	A.I. Pole		
1	PB-1	Ground Floor	30,885.42	44.48	44.70	44.86	BOAT	3	3-2mm ² THHN
2	PB-2	Second floor	26,092.86	38.71	38.07	37.37	BOAT	3	3-2mm ² THHN
3	Space								
4	Space								
Total VA			56,978.28	83.19	82.77	82.23			
Demand Factor =			85%						
Feeder conductor size =			1.73(151,000.65)/(4,800.25)					Use wire size:	3-2mm ² THHN
=			123.50					Conduit size:	30mm Ø PVC
Use Main Breaker Trip rating:			120AT	300A, 3 Pole, 230V					

 **SCHEDULE OF LOADS**
Scale 1:40 mtrs.

PANEL BOARD "PB -1"									
VOLTAGE: 230, 3Ø, 60Hz									
Circuit No.	LOAD DESCRIPTION	LOCATION	VA	AMPERE PER PHASE			CIRCUIT BREAKER	Wire size (sq)	Conduit Size (Ø)
				AB	BC	CA	A.I. Pole		
1	Lighting outlet	Lobby 1 & Hall way	408.87	2.08			20A	2	2-2.5mm ² THHN
2	Lighting outlet	CR	56.72	0.42			15A	2	2-2.0mm ² THHN
3	Lighting outlet	Office & Prayer	850.00	4.13			15A	2	2-2.0mm ² THHN
4	Lighting outlet	Kitchen & Dining	5,708.08	7.43			15A	2	2-2.0mm ² THHN
5	Lighting outlet	Bed room & CR 2	934.70		0.08		15A	2	2-2.0mm ² THHN
6	Lighting outlet	Bed room & CR 1	917.85		9.13		15A	2	2-2.0mm ² THHN
7	Lighting outlet	Outdoor	288.00	1.25			20A	2	2-2.5mm ² THHN
8	Convenience outlet	Kitchen & living	2,120.00	8.08			20A	2	2-2.5mm ² THHN
9	Convenience outlet	Bed room 1	2,540.00		10.96		20A	2	2-2.5mm ² THHN
10	Convenience outlet	Bed room 2	2,540.00		10.96		20A	2	2-2.5mm ² THHN
11	Convenience outlet	Office & Prayer	3,200.00			18.09	20A	2	2-2.5mm ² THHN
12	Convenience outlet	Office	2,150.00			9.93	20A	2	2-2.5mm ² THHN
13	Convenience outlet	Lobby 1 & Hall	3,900.00	17.52			20A	2	2-2.5mm ² THHN
14	Heating	Kitchen	3,500.00	18.87			20A	2	2-2.5mm ² THHN
15	ACU SHP	Office	796.00		3.24		20A	2	2-2.5mm ² THHN
16	ACU SHP	Dining	1,119.00		4.87		20A	2	2-2.5mm ² THHN
17	ACU SHP	Living	1,119.00		4.87		20A	2	2-2.5mm ² THHN
18	ACU SHP	Prayer	796.00		3.24		20A	2	2-2.5mm ² THHN
19	ACU SHP	Bed room 1	796.00	3.24			20A	2	2-2.5mm ² THHN
20	ACU SHP	Bed room 2	796.00		3.24		20A	2	2-2.5mm ² THHN
21	Space		1,200.00		5.22		20A	2	2-2.5mm ² THHN
Total VA			30,885.42	44.48	44.70	44.86			
Demand Factor =			85%						
Feeder conductor size =			1.73(151,000.65)/(4,800.25)					Use wire size:	3-2mm ² THHN
=			67.31					Conduit size:	30mm Ø PVC
Use Main Breaker Trip rating:			80AT	100A, 3 Pole, 230V					

PANEL BOARD "PB -2"									
VOLTAGE: 230, 3Ø, 60Hz									
Circuit No.	LOAD DESCRIPTION	LOCATION	VA	AMPERE PER PHASE			CIRCUIT BREAKER	Wire size (sq)	Conduit Size (Ø)
				AB	BC	CA	A.I. Pole		
1	Lighting outlet	Lobby 1 & canopy	694.13	2.61			20A	2	2-2.5mm ² THHN
2	Lighting outlet	Training area 4	1,277.41	5.35			20A	2	2-2.5mm ² THHN
3	Lighting outlet	Prayer, bed B, CR 3	485.85		2.11		15A	2	2-2.0mm ² THHN
4	Lighting outlet	Bed room B, CR 4	485.85		2.11		15A	2	2-2.0mm ² THHN
5	Lighting outlet	Bed room B, CR 5	721.19		3.13		15A	2	2-2.0mm ² THHN
6	Lighting outlet	CR	188.74		0.72		15A	2	2-2.0mm ² THHN
7	Convenience outlet	Bed room 5	1,400.00	7.43			20A	2	2-2.5mm ² THHN
8	Convenience outlet	Bed room 4	1,020.00	4.70			20A	2	2-2.5mm ² THHN
9	Convenience outlet	Bed room 3	1,020.00		4.70		20A	2	2-2.5mm ² THHN
10	Convenience outlet	Lobby 2	2,800.00		12.52		20A	2	2-2.5mm ² THHN
11	Convenience outlet	Prayer room	1,020.00		4.70		20A	2	2-2.5mm ² THHN
12	Convenience outlet	Training area	3,200.00			14.08	20A	2	2-2.5mm ² THHN
13	Floor display outlet	Training area	2,800.00	12.52			20A	2	2-2.5mm ² THHN
14	ACU SHP	Bed room A	796.00	3.24			20A	2	2-2.5mm ² THHN
15	ACU SHP	Bed room 5	796.00		3.24		20A	2	2-2.5mm ² THHN
16	ACU SHP	Training area	1,119.00		4.87		20A	2	2-2.5mm ² THHN
17	ACU SHP	Bed room 3	796.00		3.24		20A	2	2-2.5mm ² THHN
18	ACU SHP	Training area	1,119.00		4.87		20A	2	2-2.5mm ² THHN
19	ACU SHP	Prayer room	796.00	3.24			20A	2	2-2.5mm ² THHN
20	Space		1,500.00		6.52		20A	2	2-2.5mm ² THHN
21	Space		1,500.00		6.52		20A	2	2-2.5mm ² THHN
Total VA			35,002.86	39.77	38.07	37.22			
Demand Factor =			85%						
Feeder conductor size =			1.73(30,727.43)/(4,800.25)					Use wire size:	3-2mm ² THHN
=			60.50					Conduit size:	30mm Ø PVC
Use Main Breaker Trip rating:			80AT	100A, 3 Pole, 230V					

 AGUS 1&2 HEPC	PROJECT TITLE:	BY	DATE	CHECKED	DATE	SUBMITTED:  S. A. M. SHAHIL PEC, PTSD, Agus 1&2 HEPC	REVIEWED:  L. M. MATUAN, CH. CESE CIM, Mgr, Agus 2 HEPC	RECOMMENDED:  M. T. BAUTIL, Ph.D. Plant Mgr, Agus 1&2 HEPC	APPROVED BY:  EDUARDO A. VELOSO, JR. VP, Mindanao Corporation	SHEET No: 
	CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUIARAN, LANA DEL SUR	DESIGN	SAHS							
	ACAD	SAHS								
	SUPERVISOR		SECTION HEAD							
	ARCH'L									
	CIVIL									
	MECH'L									
ELECT'L										

GENERAL NOTES:

1. ALL WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST PROVISIONS OF THE PHILIPPINE ELECTRICAL CODE, LOCAL ORDINANCES AND REGULATIONS. MAIN POWER TRANSFORMER.
2. POWER SUPPLY SHALL BE 3-PHASE, 480 VOLTS, 60HZ, FOUR (4) WIRE SYSTEM TO BE TAKEN FROM THE EXISTING 1MVA, 13.8KV/480V, 3Ø, 60HZ MAIN POWER TRANSFORMER.
3. METHOD OF WIRING SHALL BE IN uPVC CONDUIT WITH PROPER FITTINGS, DEVICES, BOXES AND SUPPORTS. WORK SHALL BE AS PER PLAN AND SPECIFICATIONS AS TO LOCATION, TYPE AND USE.
4. WIRES, BOXES, ELECTRICAL AS WELL AS NON-ELECTRICAL MATERIALS NOT INCLUDED IN THE PLANS AND SPECIFICATION BUT NECESSARY TO COMPLETE THE JOB SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
5. ALL ELECTRICAL MATERIALS TO BE USED IN THE INSTALLATION SHALL BE NEW, STANDARD AND APPROVED TYPE AS TO LOCATION, TYPE AND PURPOSE.
6. ALL SWITCHES, CONVENIENCE OUTLETS AND PANELBOARD SHALL BE FLUSH MOUNTED. SWITCHES AND PANELBOARD SHALL BE MOUNTED 1.37 METERS ABOVE THE FINISHED FLOOR, WHILE CONVENIENCE OUTLET SHALL BE MOUNTED 0.31 METER ABOVE THE FINISHED FLOOR AND 0.15 METER ABOVE WORKING TABLE.
7. FIXTURES LOCATION AND RUNS ARE INDICATIVE ONLY. THE ACTUAL LOCATIONS AND RUSH SHALL BE DETERMINED IN THE FIELD.
8. ALL FEEDER CONDUCTORS SHALL BE ARE COPPER WITH 600V TYPE "THW" INSULATION UNLESS NOTED OTHERWISE.
9. MINIMUM SIZE OF WIRE TO BE USED SHALL BE 2.0mm THW STRANDED IN 20mm DIAMETER uPVC CONDUIT, UNLESS OTHERWISE SPECIFIED IN THE PLAN.
10. ALL HAND DRYER AS WELL AS OUTLET IN THE COMFORT ROOM SHALL BE PROVIDED WITH GROUND FAULT CIRCUIT INTERRUPTER (GFCI)



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR.

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCHL				
CIVIL				
MECHL				
ELECTL				

SUBMITTED:

S. A. H. SOHAILI
REC'D AGUS 1&2 HEPC

REVIEWED:

L. M. MATUANO, CESE
Plant Mgr. Agus 1&2 HEPC

RECOMMENDED:

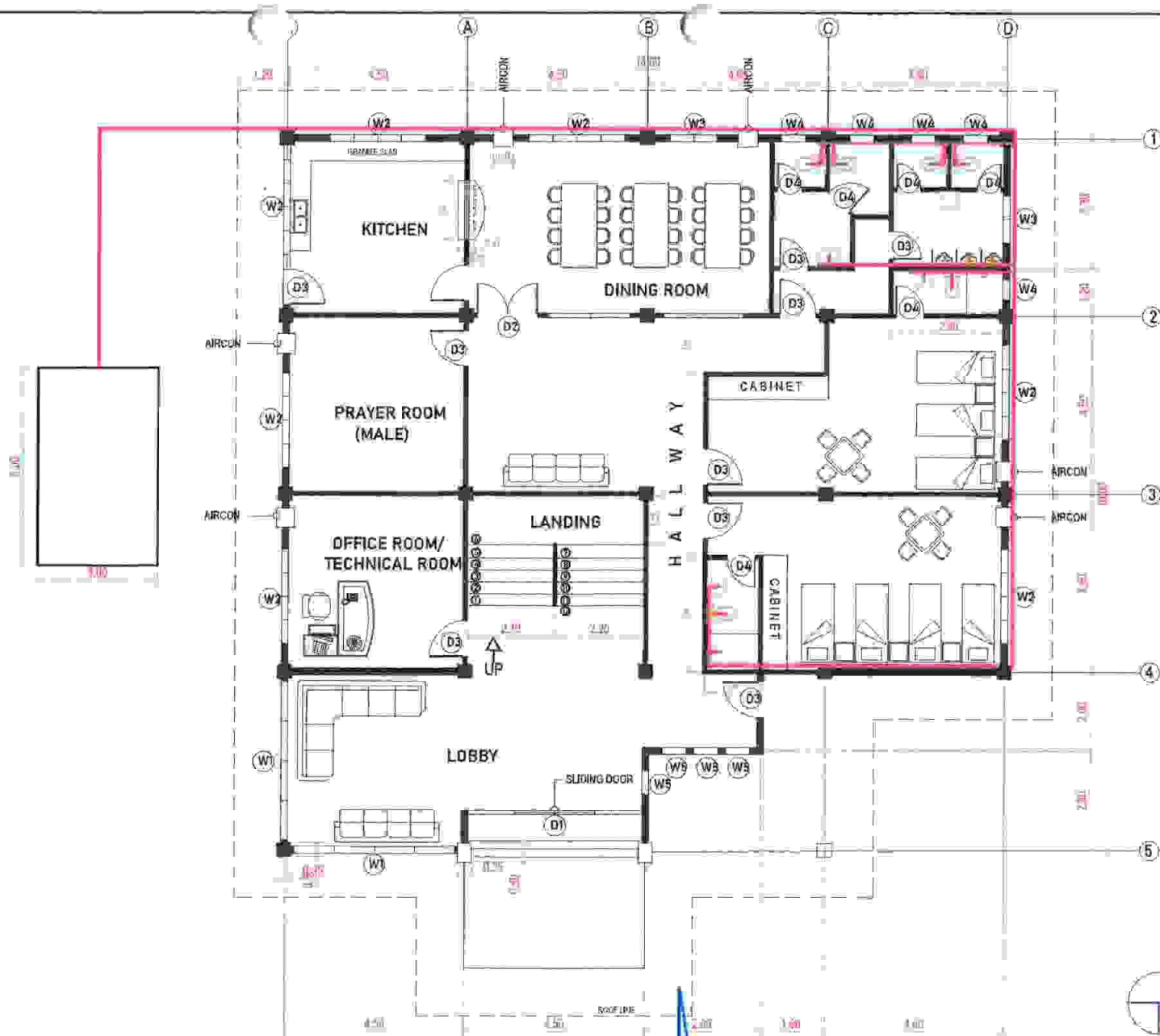
M. T. BAUTIL, P.D.
Plant Mgr. Agus 1&2 HEPC

APPROVED BY:

EDUARDO A. VELOSO, JR.
VP. Mindanao Development

SHEET No:

16
41



GROUND FLOOR PLAN SANITARY PIPELINE



Scale 1:150 mtrs.



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANA O DEL SUR.

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'L				
CIVIL				
MECH'L				
ELECT'L				

SUBMITTED:

S. A. H. BOHAILI
PEO, PTD, Agus 1&2 HEPC

REVIEWED:

M. MATUAN, CM, CESE
CM, Agus 2 HEPC

RECOMMENDED:

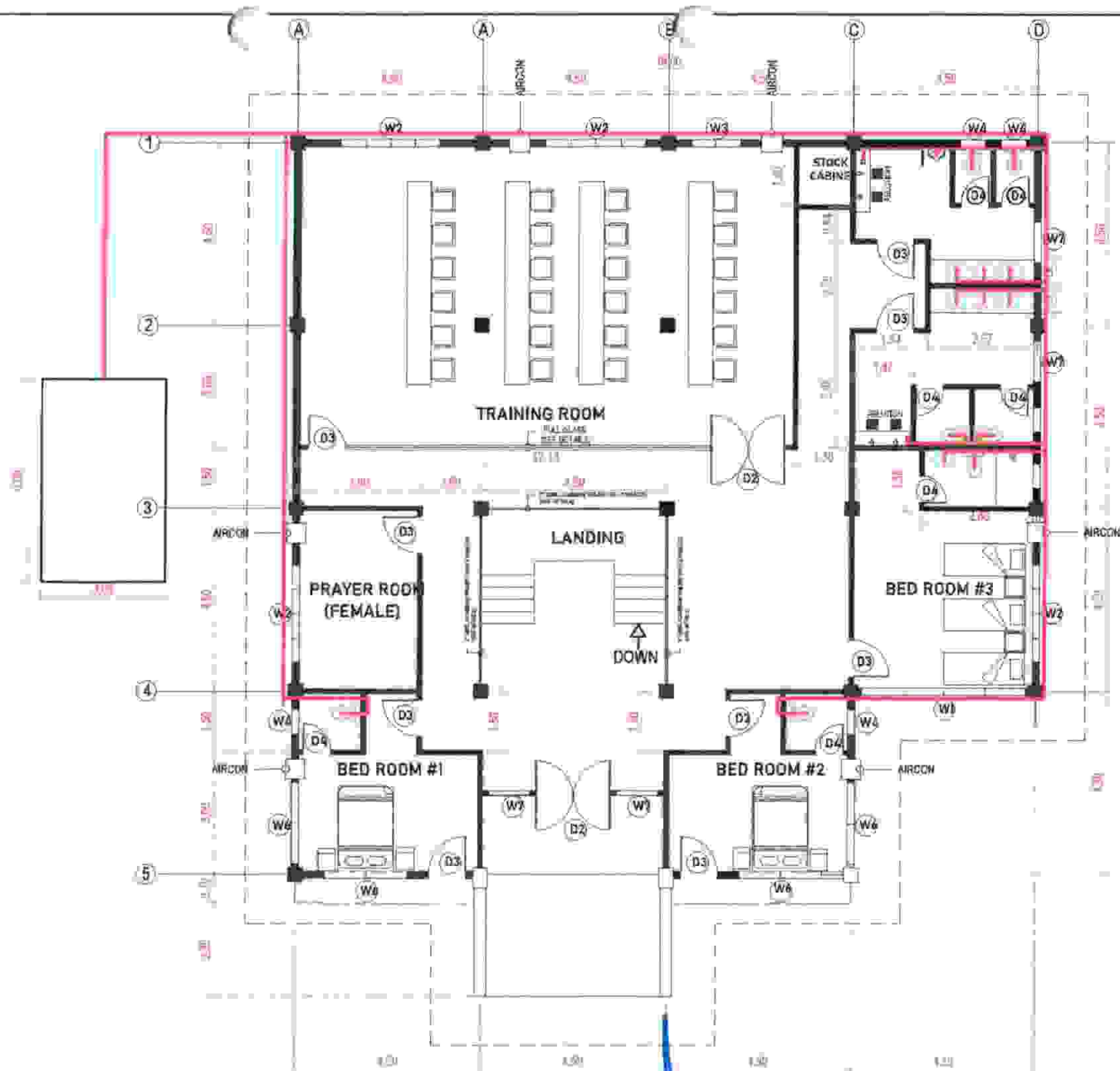
M. T. BAUTIL, Ph.D.
Plant Mgr, Agus 1&2 HEPC

APPROVED BY:

EDUARDO A. VELASCO, JR.
VP, Maintenance Generation

SHEET No:

17
41



SECOND FLOOR PLAN SANITARY PIPELINE

Scale 1:150 mtrs.



AGUS 1&2
HEPG

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT PAWAK, SAGUIARAN, LANAO DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'L				
CIVIL				
MECH'L				
ELECT'L				

SUBMITTED:

S. A. H. SOHAILI
PEO, PTSD, Agus 1&2 HEPG

REVIEWED:

I. N. MATMAN, DM, CEG
QM Mgr, Agus 2 HEPG

RECOMMENDED:

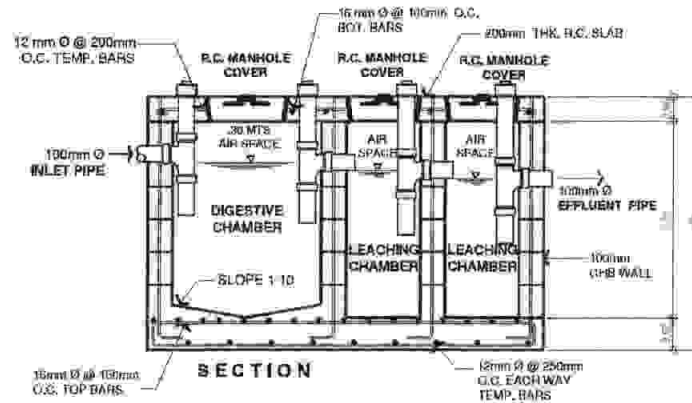
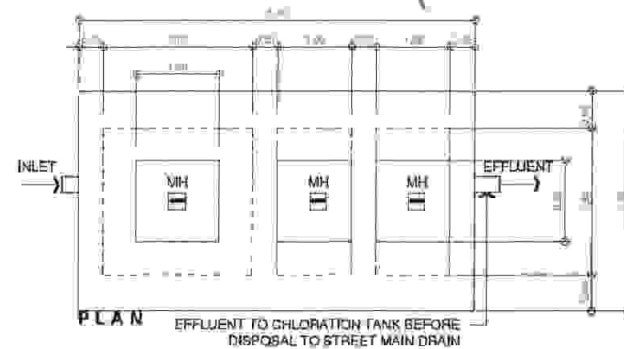
M. T. BAUTIL, Ph.D.
Plant Mgr, Agus 1&2 HEPG

APPROVED BY:

EDUARDO A. VELOSO, JR.
VP, Maintenance Department

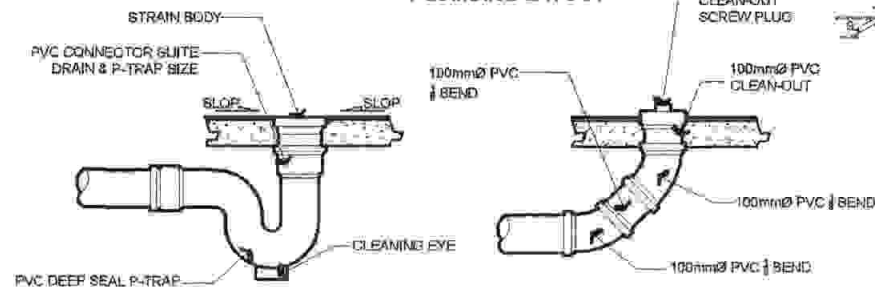
SHEET No:

18
41



SEPTIC VAULT SECTION DETAIL
1:4 SCALE







PLUMBING LAYOUT



ISOMETRIC PLUMBING DIAGRAM

FLOOR DRAIN DETAIL
NOT DRAWN TO SCALE

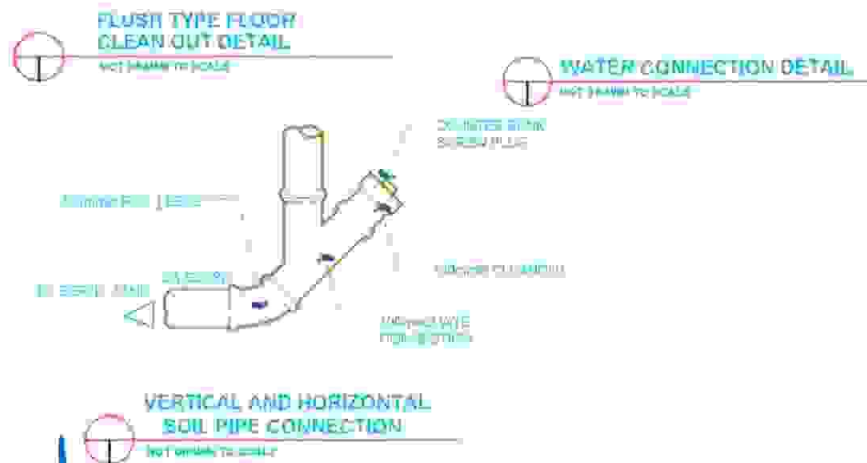
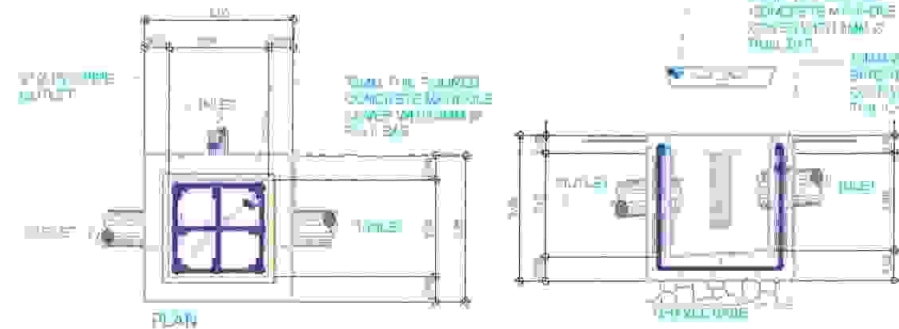
CLEAN-OUT DETAIL
STANDARD CONNECTION
NOT DRAWN TO SCALE







 AGUS 1&2 HEPQC	PROJECT TITLE: CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR	BY	DATE	CHECKED	DATE	SUBMITTED:  S. A. H. SCHAILI REG. P.T.S. - AGUS 1&2 HEPQC	REVIEWED:  I. M. MATUAN, DM/CESE DM Mgr. Agus 2 HEP	RECOMMENDED:  M. T. BAUTIL, Ph.D. Plant Mgr. Agus 1&2 HEPQC	APPROVED BY:  EDMUNDO A. VELOSO, JR. VP. Mindanao Corporation	SHEET No: 
		DESIGN	SAHS							
		ACAD	SAHS							
		SUPERVISOR		SECTION HEAD						
		ARCHT								
		CIVIL								
		MECHTL								
		ELECTL								

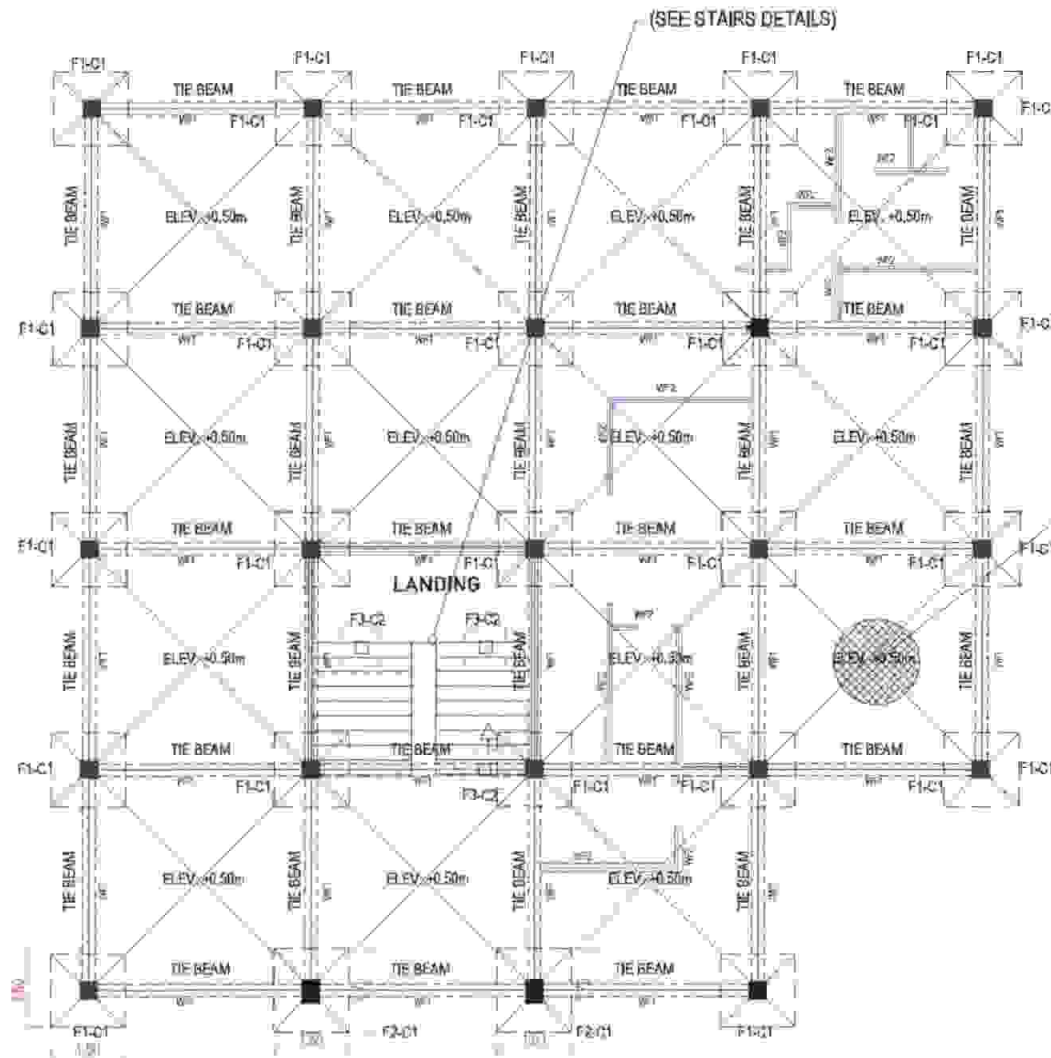
- ① ALL SANITARY WORKS SHALL BE EXECUTED ACCORDING TO THE PROVISIONS OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES, WITH ITS IMPLEMENTING RULES AND REGULATIONS.
- ② ALL PIPES SHALL BE INSTALLED AS INDICATED. ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ENGINEER IN-CHARGE.
- ③ PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH, AND INVERT ELEVATION OF EXISTING PIPES AND STRUCTURES PRESENT AT THE SITE.
- ④ ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% AS MINIMUM, UNLESS OTHERWISE NOTED.
- ⑤ ALL FIXTURES SHALL BE VENTED, UNLESS OTHERWISE NOTED.
- ⑥ NO SEPTIC TANK SHALL BE CONSTRUCTED WITH IN OR UNDER THE BUILDING TO AVOID SCUM.
- ⑦ PLUMBING WORKS SHALL BE DONE UNDER THE SUPERVISION OF A DULY REGISTERED MASTER PLUMBER.
- ⑧ THE CONTRACTOR SHALL VERIFY ACTUAL LOCATION OF EXISTING PIPES FOR TAPPING OR CONNECTION.

LEGEND:

WC	WATER CLOSET	GT	GREASE TRAP
NAV	NAVATORY	WM	WATER METER
FD	FLOOR DRAIN	BV	SEPTIC VAULT
CO	CLEAN OUT	WP	WATER PUMP
	WATER LINE	PT	PRESSURE TANK
F	FAUCET	GV	GATE VALVE
WST	VENT STACK THROUGH ROOF	CV	CHECK VALVE
WJ	WATER JET	BL	BLOWN
	SOIL PIPE LINE	TEE	TEE
	WASTE PIPE LINE	WYE	WYE



 AGUS 1&2 HEPC	PROJECT TITLE:	BY	DATE	CHECKED	DATE	SUBMITTED:	REVIEWED:	RECOMMENDED:	APPROVED BY:	SHEET No.:	
	CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR	DESIGN/	SAHS				 S.A. HSOHAILI PEC, PSED, Agus 1&2 HEPC	 I.M. MAYUAN, DM, CESA CA, Mar, Agus 2 HEPC	 M. T. BANTIL, Ph.D. Plant Mgr, Agus 1&2 HEPC	 EDUARDO A. VELOSO, JR. VP, Maintenance, Generation	
		ACAD	SAHS								
		SUPERVISOR:		SECTION HEAD:							
		ARCHT									
		CML									
		MECH									
		ELECT									



FOUNDATION PLAN
Scale 1:150 mtrs.



PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ARCHT.	SAHS			
CIVIL	SUPERVISOR		SECTION HEAD	
MECHTL				
ELECTL				

SUBMITTED:

S. A. H. SOHAILI
P.E.C. AGUS 1&2 HEPG

REVIEWED:

M. MATUAN, DO, CESE
Plant Mgr. Agus 2 HEPG

RECOMMENDED:

M. T. BARTIL, Ph.D.
Plant Mgr. Agus 1&2 HEPG

APPROVED BY:

EDMUNDO A. VELASCO, JR.
Jr. (Supervisor)

SHEET No.:

21
41

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAVAK, SAGUARAN LANA DEL SUR

DESIGN BY DATE CHECKED DATE
ACAD SAHS
SUPERVISOR SECTION HEAD

SUBMITTED:

REVIEWED:

RECOMMENDED:

APPROVED BY:

SHEET No:

ARCHT
CIVIL
MECH
ELECTR

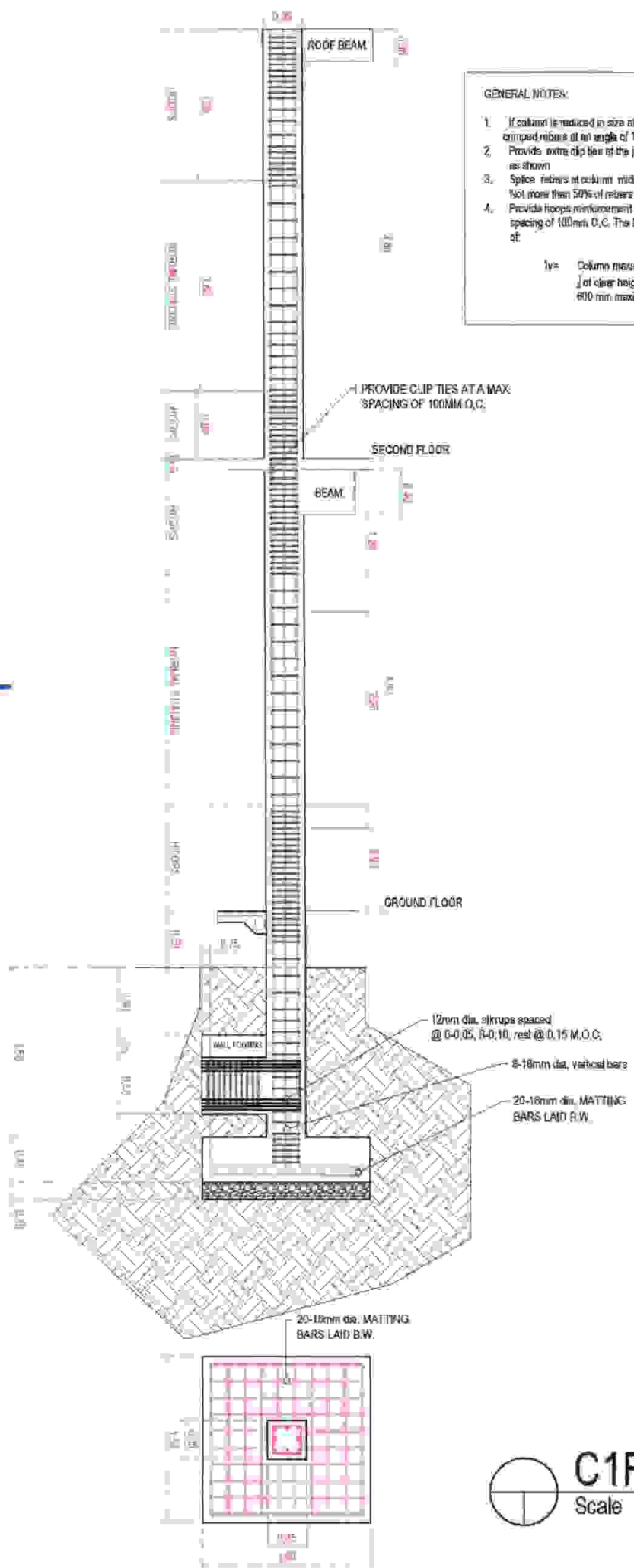
S. K. HOSHAU
P.E.C. 1202 Agus 1&2 HEPC

M. T. BAUTLE, P.E.D.
Plant Eng. Agus 1&2 HEPC

EDMUNDO A. VERA, JR.
VP. Mechanical Division

GENERAL NOTES:

1. If column is reduced in size at an upper floor, lap bars at an angle of 1 bar to 6 vert.
2. Provide extra clip ties at the junction of columns at floor beam as shown
3. Splice rebars at column midheight in a staggered manner. Not more than 50% of rebars shall be spliced at any one level.
4. Provide hoops reinforcement at a length of l_y at a minimum spacing of 100mm O.C. The length l_y shall be the maximum of:
 - l_y = Column maximum dimension
 - l_y of clear height of column
 - 600 mm maximum



C1F1 DETAIL
Scale 1:50 mtrs.

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAIGUARAN, CAMPO DEL SUR

By

DATE _____

CHIEF

DATE _____

SUBMITTED

REVIEWED

RECOMMENDED:

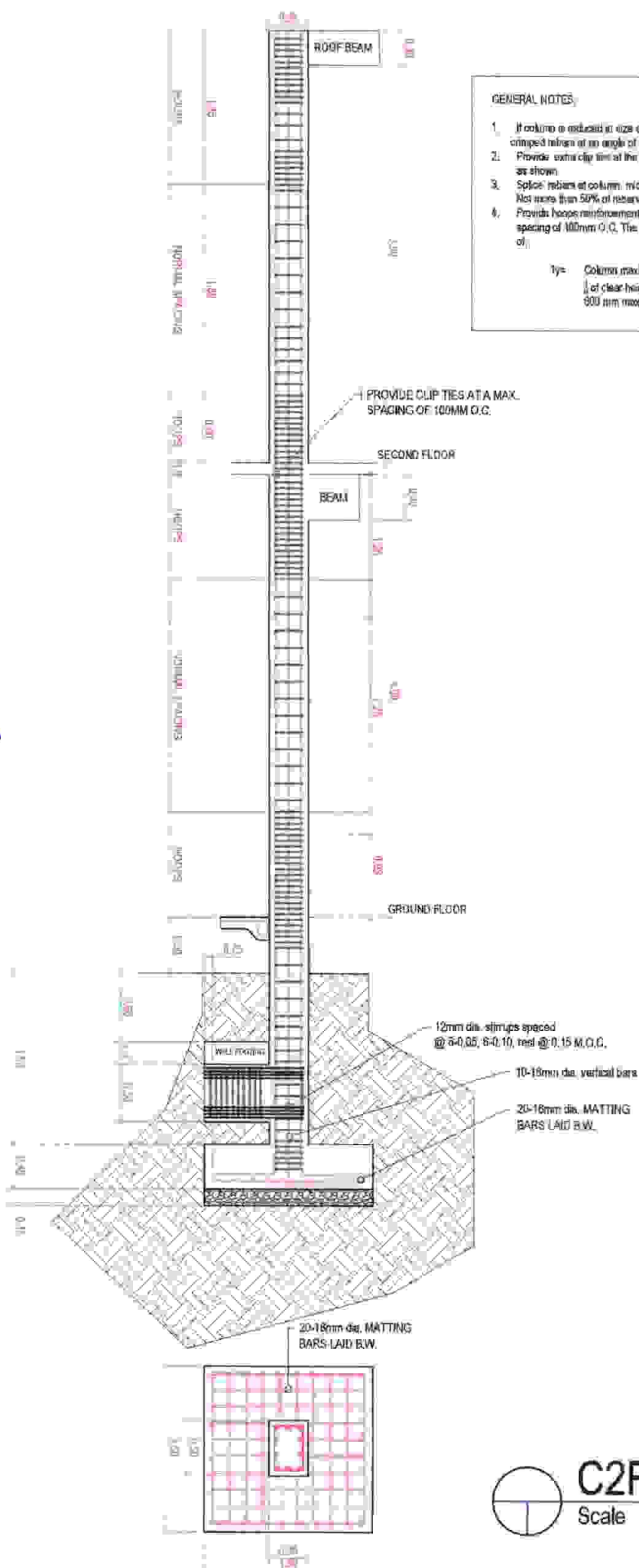
APPROVED BY:

SHEET No.

GENERAL NOTES

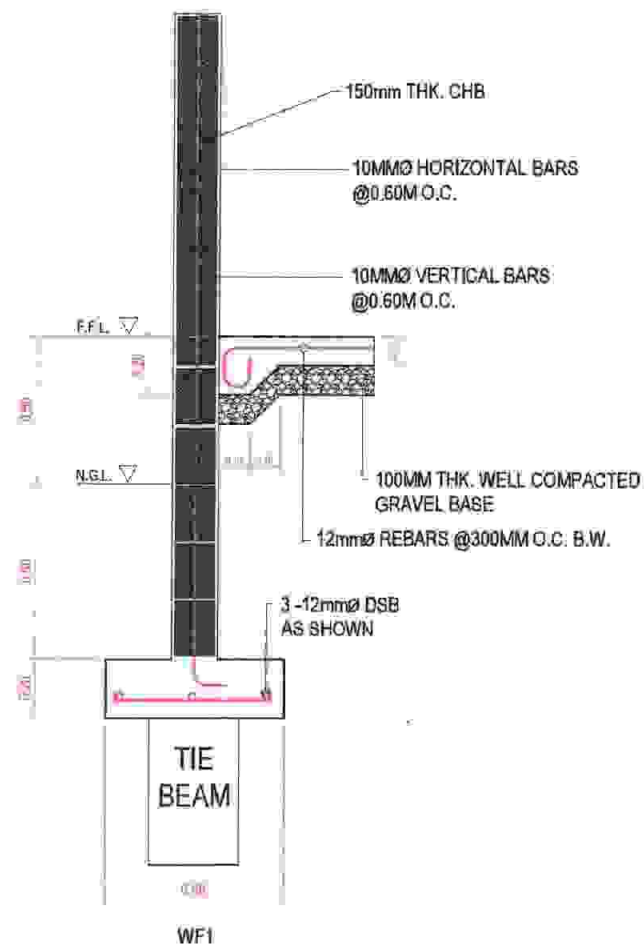
1. It column is located at size of an upper floor crimped margin of an angle of 1 foot to 8 feet.
2. Provide extra clip time at the junction of columns at floor beam as shown
3. Splice rebar at column, mid-height in a staggered manner. Not more than 50% of rebar shall be spliced at any one level.
4. Provide hoops reinforcement at a length of 1ϕ at a maximum spacing of 100mm C/C. The length 1ϕ shall be the maximum, or

7y: Column maximum dimension
of clear height of column
800 mm maximum

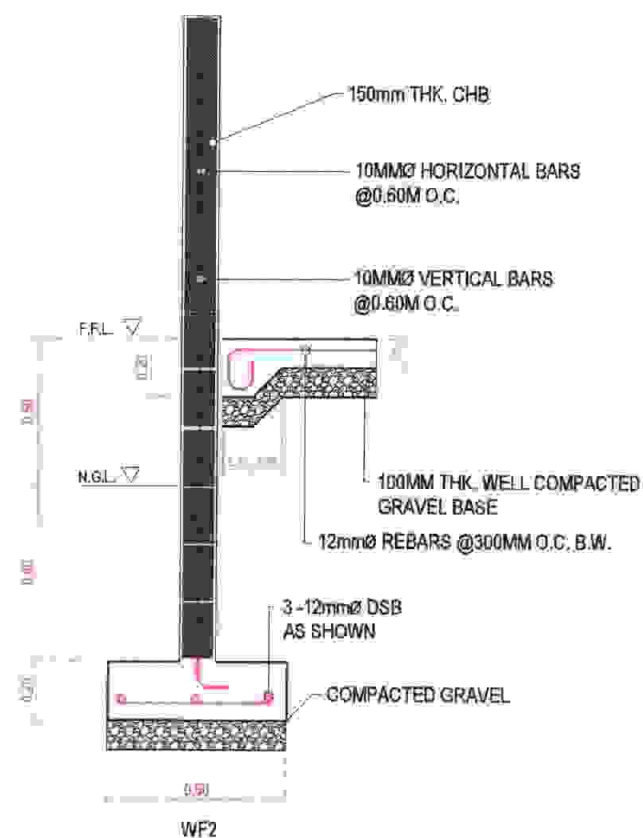


C2F1 DETAIL


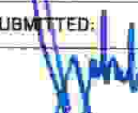

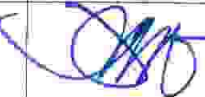

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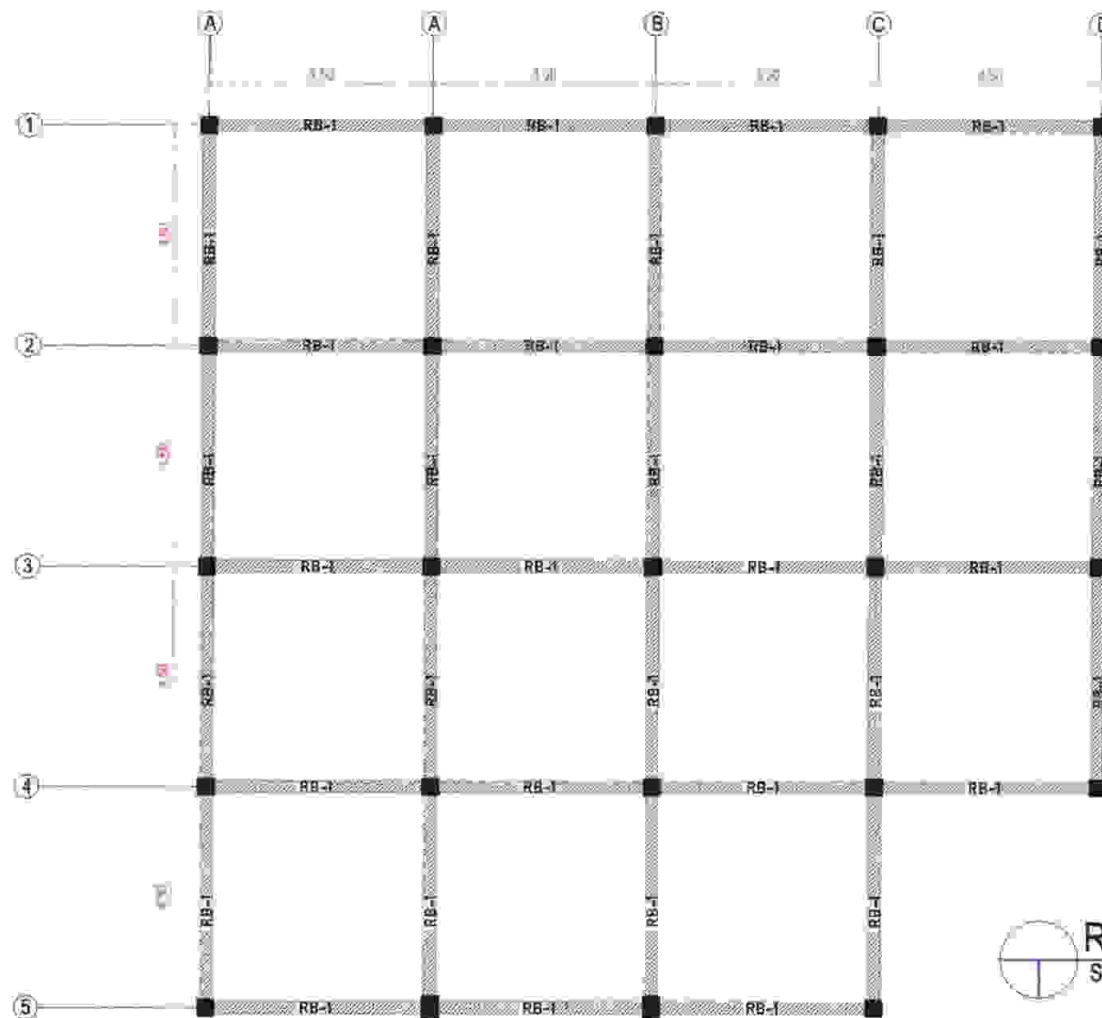


WALL FOOTING NO. 1 DETAIL
Scale 1:25 mtrs.



WALL FOOTING NO. 2 DETAIL
Scale 1:25 mtrs.

 AGUS 1&2 HEPC	PROJECT TITLE: CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUIARAN, LANA DEL SUR	DESIGN	SAHS	DATE	CHECKED	DATE	SUBMITTED:  S. A. H. SOHAILI PEO, PTSD, Agus 1&2 HEPC	REVIEWED:  T. M. MARJAN, CM, CESA C/MAN, Agus 2 HEPC	RECOMMENDED:  M. T. BAUTIL, Ph.D. Plant Mgr., Agus 1&2 HEPC	APPROVED BY:  EDMUNDO A. VELOSO, JR. VP, Medinac Corporation	SHEET No: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">24</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">41</div> </div>
		ACAD	SAHS								
			SUPERVISOR		SECTION HEAD						
		ARCHL									
		CIVIL									
		MECHL									
		ELECTL									



ROOF BEAM PLAN
Scale 1:150 mtrs.



AGUS 1&2
HEPG

PROJECT TITLE

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCHL				
CML				
MECHL				
ELECTL				

SUBMITTED

S. A. H. SCHAILI
PEO, P. SD, Agus 1&2 HEPG

REVIEWED:

I. M. MATUAN, DM, CESE
DM Mgr., Agus 2 HEPG

RECOMMENDED:

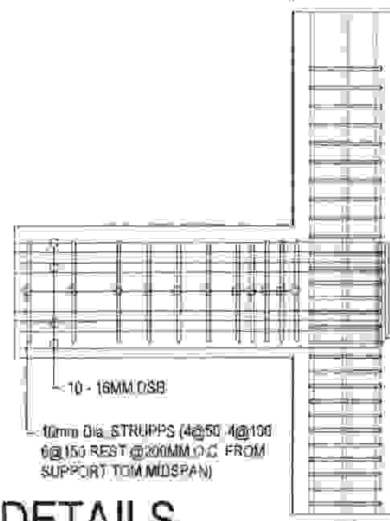
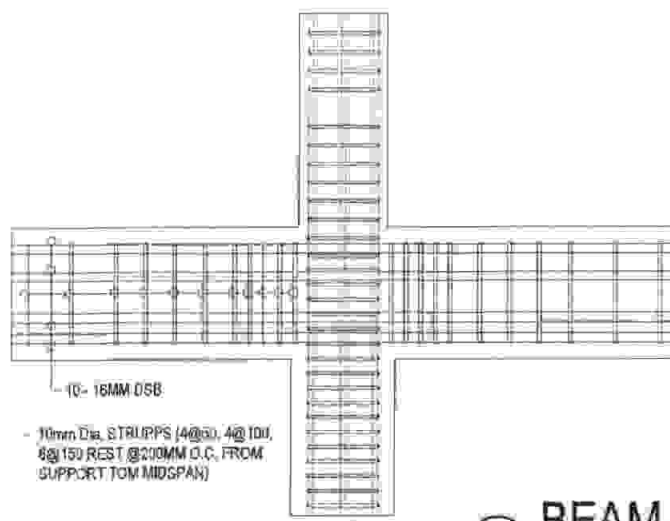
M. T. BAOTIL, PH.D.
Plant Mgr., Agus 1&2 HEPG

APPROVED BY:

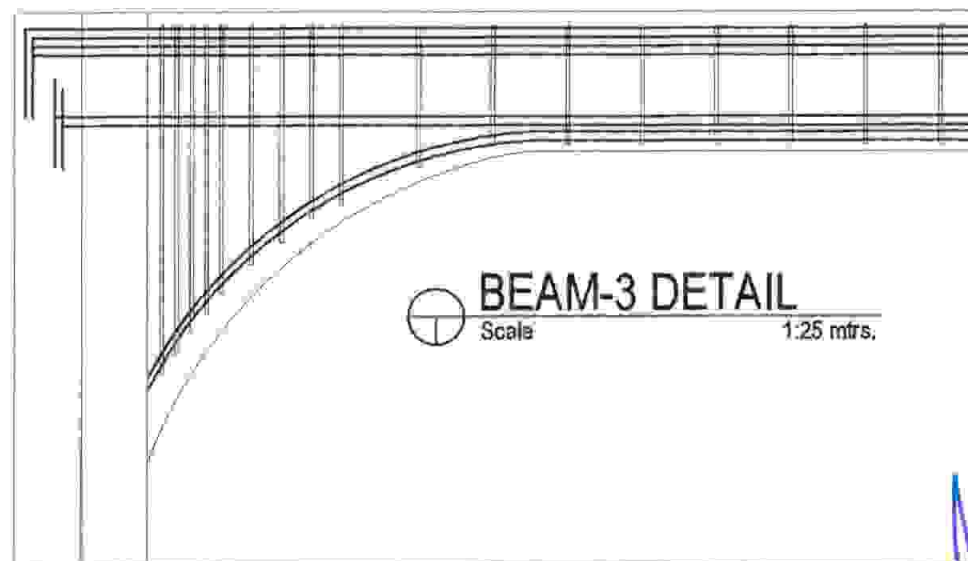
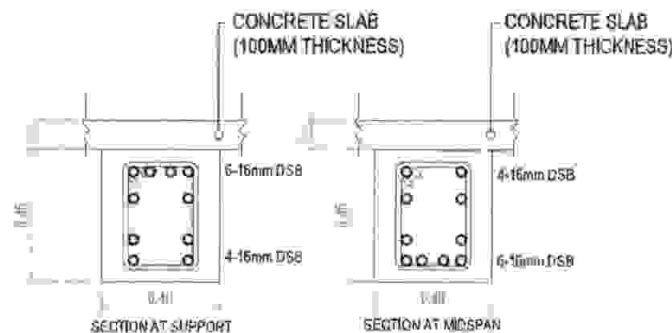
EDMUNDO A. VELOSO, JR.
VP, Mindanao Construction

SHEET No:

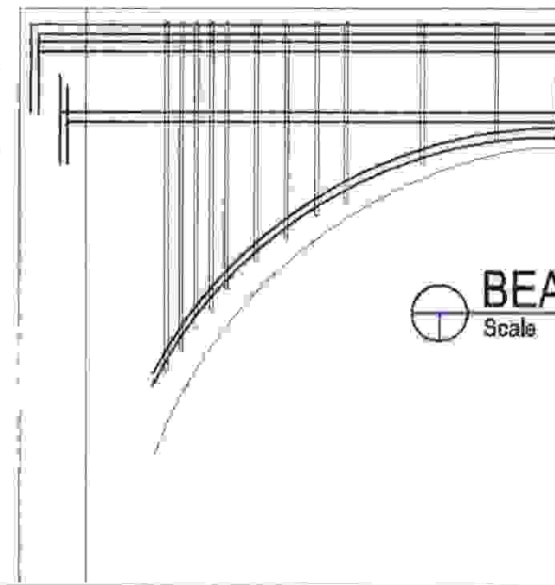
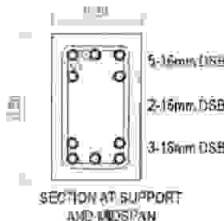
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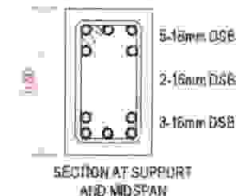
BEAM-2, 4 DETAILS
Scale 1:25 mtrs.



BEAM-3 DETAIL
Scale 1:25 mtrs.



BEAM-5 DETAIL
Scale 1:25 mtrs.



PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCHT.				
CIVIL				
MECHTL				
ELECTL				

SUBMITTED:

S. A. N. SODAILI
REC. PTSD / Agos 16/2 HEPG

REVIEWED:

L. M. MATUAN, DR. CESE
CIVIL Engr. A. 1987

RECOMMENDED:

M. T. BACUN, Ph.D.
Plant Mgr. Agus 162 HEPG

APPROVED BY:

EDUARDO A. VELOSO, JR.
Asst. Division Engineer

SHEET No.







28
41



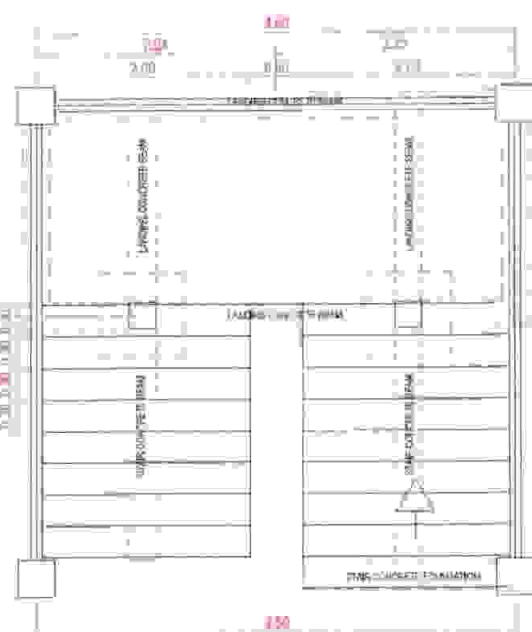
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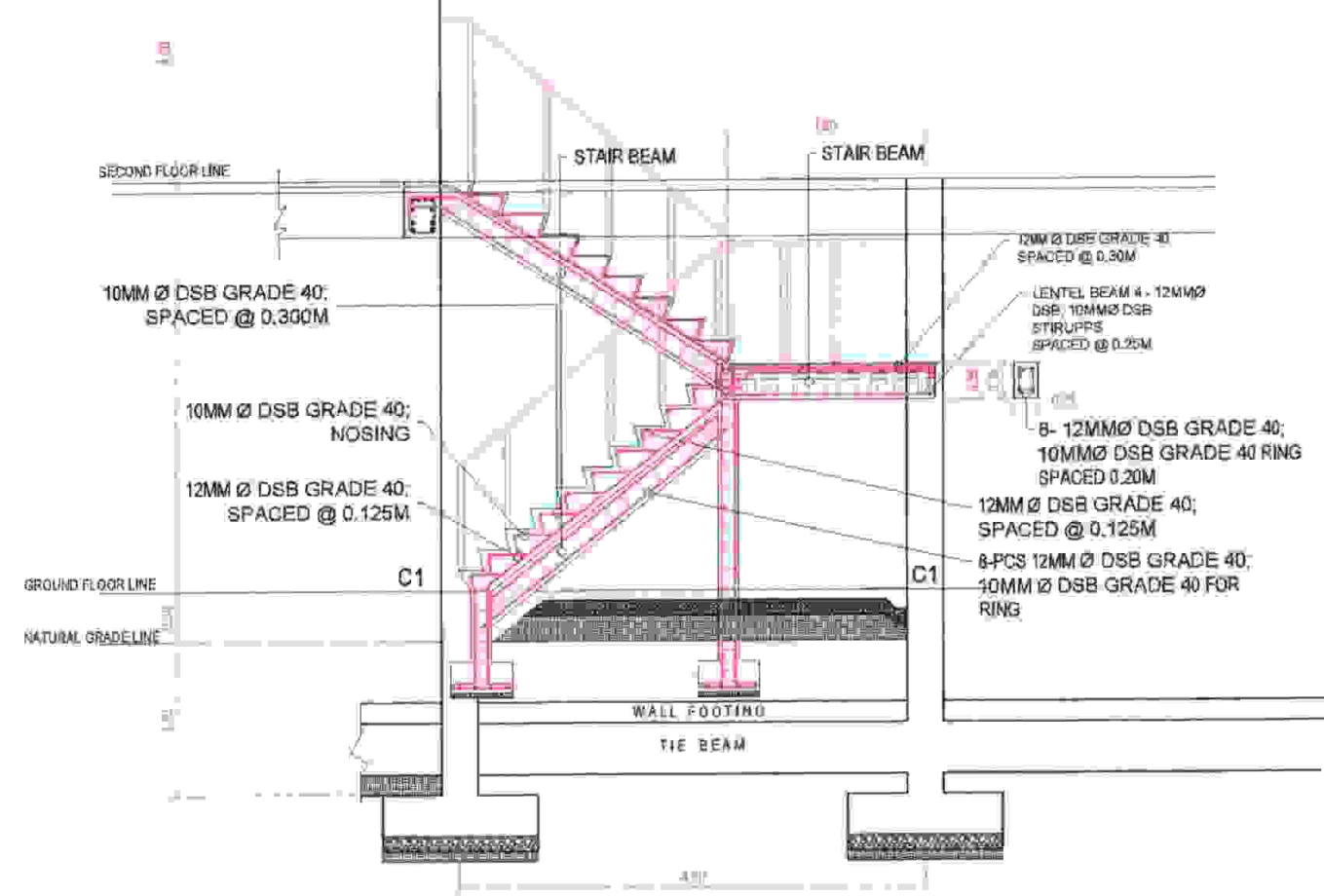
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 AGUS 1&2 HEPG	PROJECT TITLE:		BY	DATE	CHECKED	DATE	SUBMITTED:	REVIEWED:	RECOMMENDED:	APPROVED BY:	SHEET No:
	CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT PAWAK, SAGUIARAN, LANA O DEL SUR	DESIGN	SAHS				 S. A. M. SHAILI PRC, HCSA, Agaña 1&2 HEPG	 I. M. MATUAN, DM, CESE DM Mgr., Agaña SHEP	 M. T. BAUTIL, Ph.D. Plant Mgr., Agaña 1&2 HEPG	 EDMUNDO A. VELOSO, JR. W. Marketing Consultant	
		ACAD	SAHS								
			SUPERVISOR		SECTION HEAD						
		ARCHIT									
		CIVIL									
		MECH'L									
ELECTR											

29
41



STAIR PLAN
 Scale 1:70mtrs.



STAIR CASE DETAIL
 Scale 1:70mtrs.



PROJECT TITLE:
 CONSTRUCTION OF GUESTHOUSE &
 MULTIPURPOSE TRAINING CENTER AGUS 2 HE
 PLANT, PAWAK, SAGUARAN, LANA O DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'T				
CIVIL				
MECH				
ELECT'L				

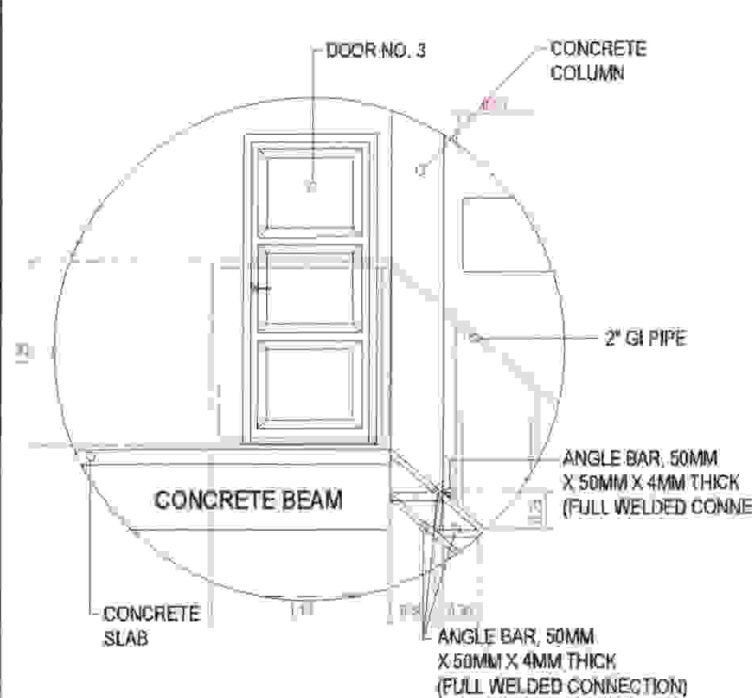
SUBMITTED:
[Signature]
 S. A. ALDHAILI
 PRC, P. ISO Agus 1&2 HEPG

REVIEWED:
[Signature]
 L. M. MATUAN, BM, CESE
 Civil Engr. Agus 2 REP

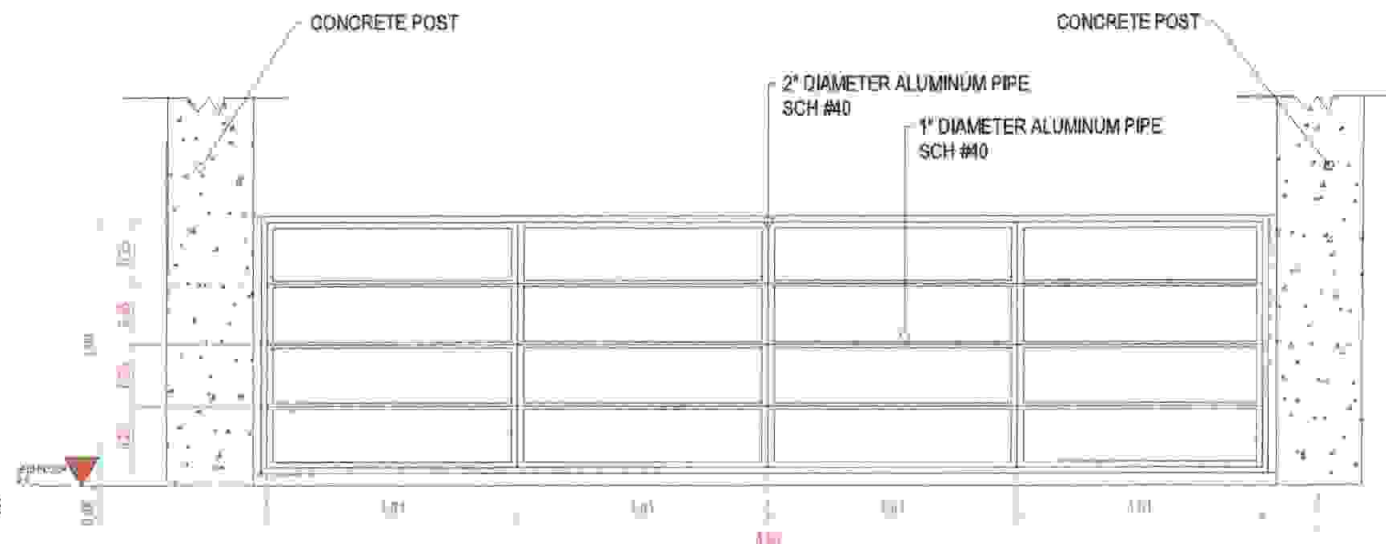
RECOMMENDED:
[Signature]
 M. T. BAUTIL, PH.D.
 Plant Mgr. Agus 1&2 HEPG

APPROVED BY:
[Signature]
 EDUARDO A. VELOSO, JR.
 Marketing Corporation

SHEET No:
 30
 41



STEEL RAILINGS DETAIL
Scale 1:50 mtrs.



STAINLESS PIPE DETAIL
Scale 1:30 mtrs.



PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANA O DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'L				
CIVIL				
MECH'L				
ELECT'L				

SUBMITTED

S. A. H. SOHAILI
REC'D 180 Agus 1&2 HEPG

REVIEWED:

L. M. MATUAN, DM, CESE
Plant Mgr. Agus 2 HEPG

RECOMMENDED:

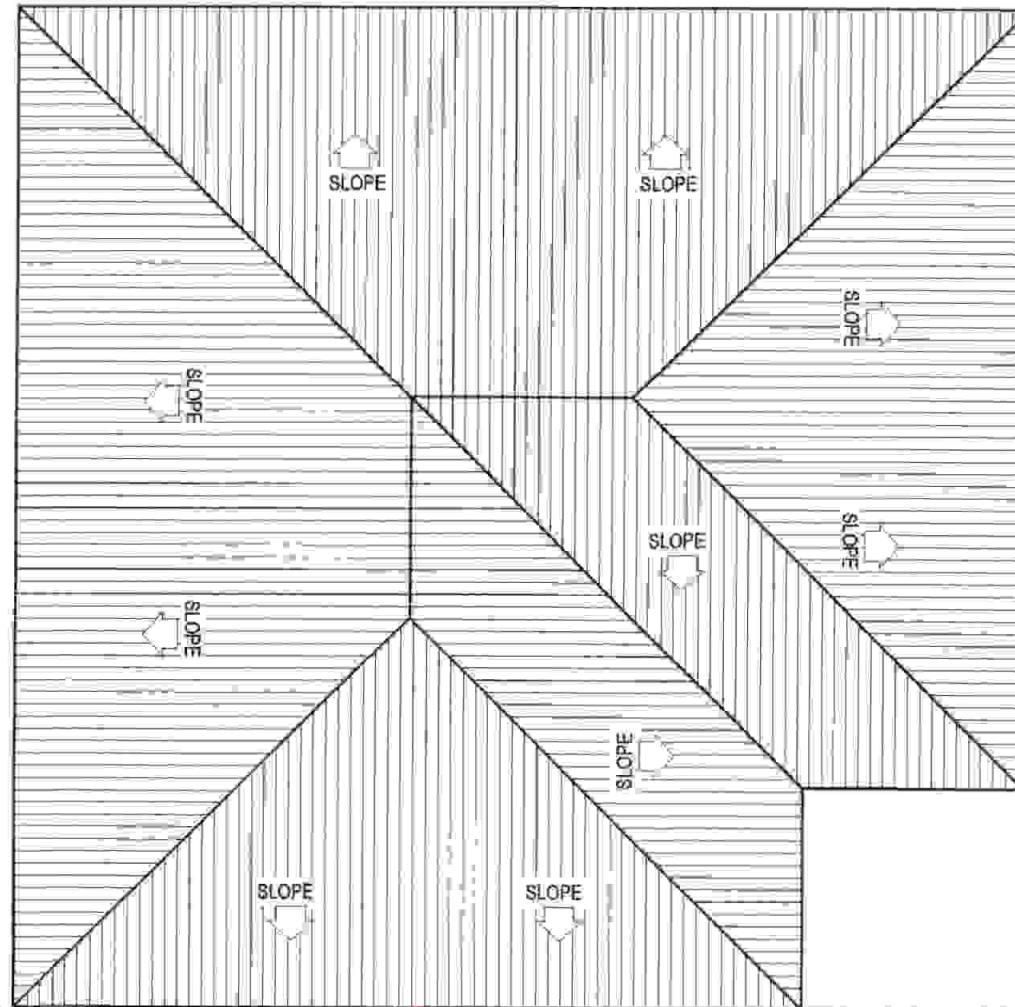
M. T. BAUTIL, Ph.D.
Plant Mgr. Agus 1&2 HEPG

APPROVED BY:


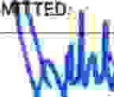



EDUARDO A. VELOSO, JR.
UP Assistant Engineer

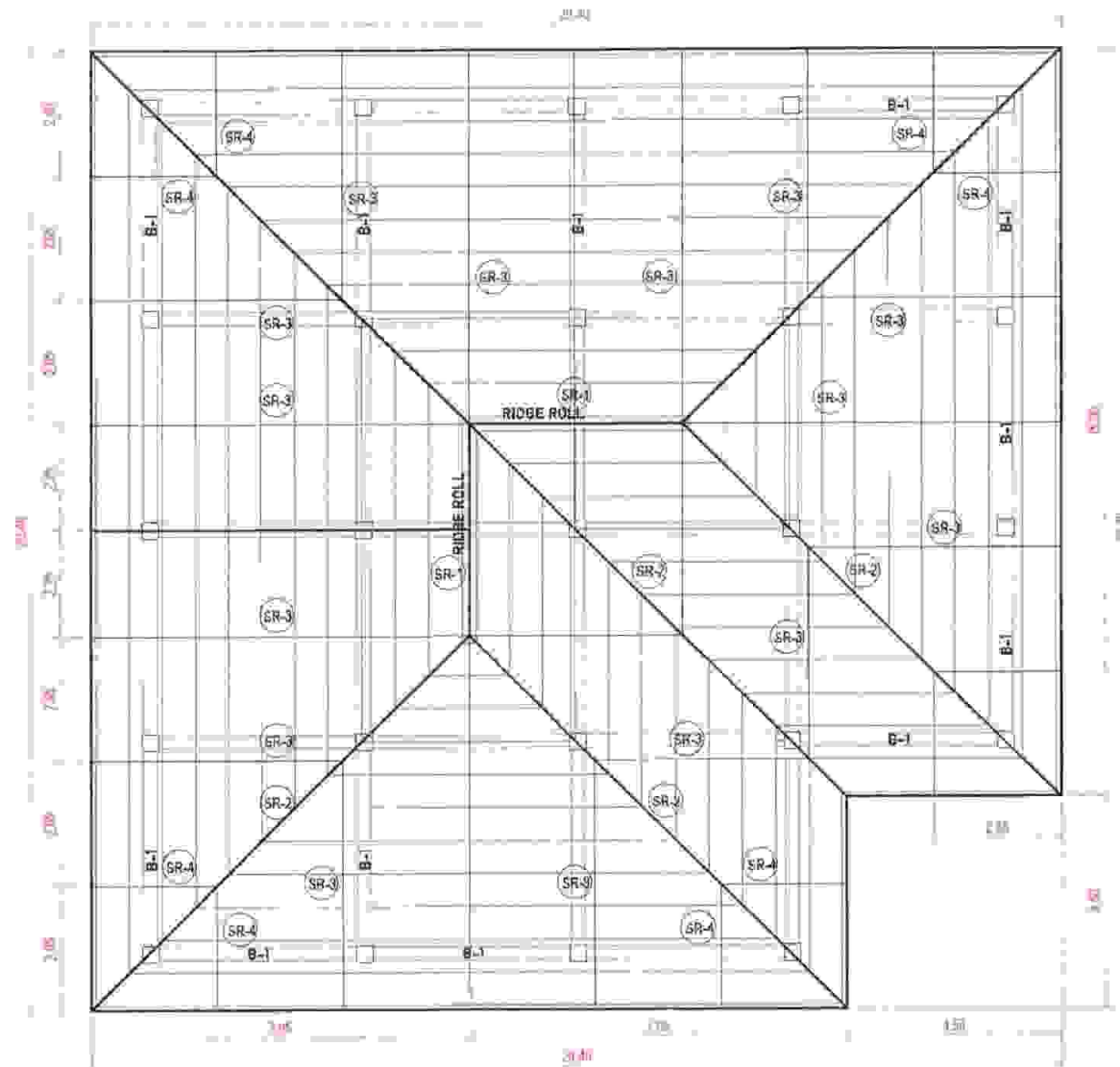
SHEET No:

31
41



ROOF PLAN
Scale 1:150 mtrs.

 AGUS 1&2 HEPG	PROJECT TITLE:	BY	DATE	CHECKED	DATE	SUBMITTED:  S. A. H. SOHAILI REG. P. 158, Agus 1&2 HEPG	REVIEWED:  L. M. MATULAN, DM, CESE CHMGR, Agus 2 HEPG	RECOMMENDED:  M. T. BAUTIL, Ph.D. Plant Mgr., Agus 1&2 HEPG	APPROVED BY:  EDMUNDO A. VELOSO, JR. VP/Assistant General	SHEET No: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">32</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">41</div> </div>
	CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUIARAN, LANAO DEL SUR	DESIGN	SAHS							
		ACAD	SAHS							
		SUPERVISOR		SECTION HEAD						
		ARCHT								
		CIVIL								
	MECHL									
	ELECTL									



LEGEND:
SR - STEEL RAFTER

ROOF FRAMING PLAN
Scale 1:150 mtrs.



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, BAGUIARAN, LANA'O DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD.	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCHT.				
CIVIL				
MECHL.				
ELECTL.				

SUBMITTED:

S. A. H. SOHAILI
PER. PTD. Agus 1&2 HEPC

REVIEWED:

I. M. MATUAN, DM, CESE
DM Mgr. Agus 2 HEPC

RECOMMENDED:

M. T. BAUTIL, Ph.D.
Plant Mgr. Agus 1&2 HEPC

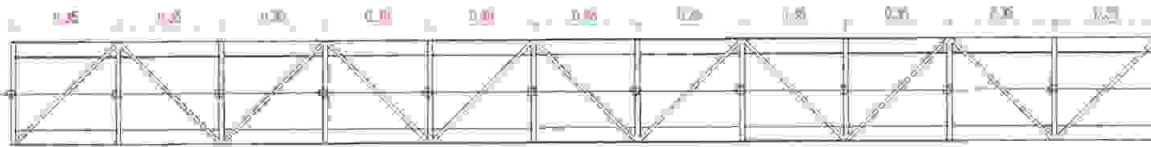
APPROVED BY:

EDMONDO A. VELOSO, JR.
VP Maintenance Generation

SHEET No.

33
41

1 - 16MM DSB
(WEB MEMBER)



2 - 50MM X 50MM X 5MM
ANGLE BAR (TOP BAR)
1 - 16MM DSB (WEB
MEMBER)
2 - 50MM X 50MM X 5MM
ANGLE BAR (BOT. BAR)

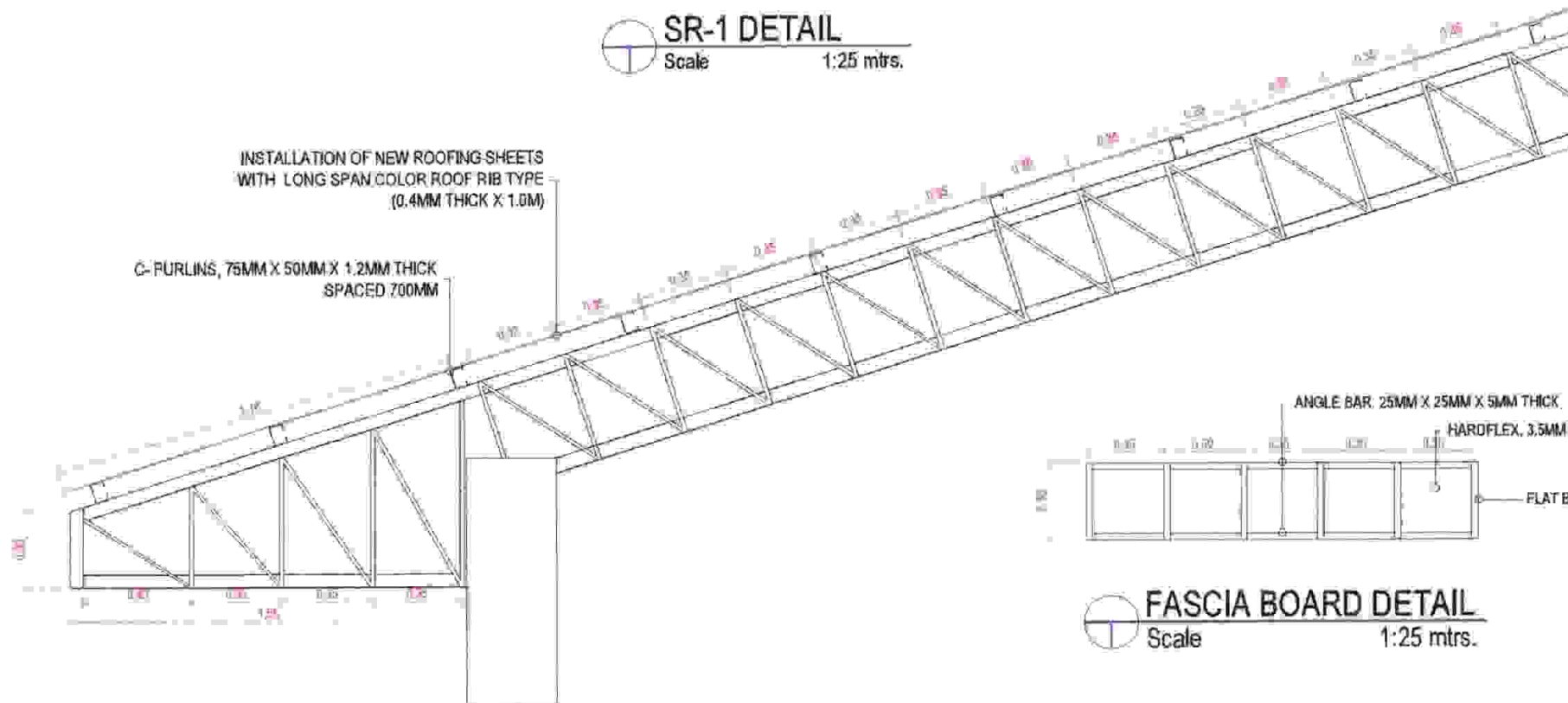


SR-1 DETAIL

Scale 1:25 mtrs.

INSTALLATION OF NEW ROOFING SHEETS
WITH LONG SPAN COLOR ROOF RIB TYPE
(0.4MM THICK X 1.0M)

C-PURLINS, 75MM X 50MM X 1.2MM THICK
SPACED 700MM

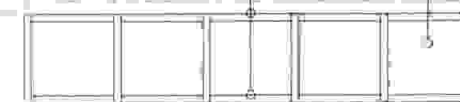


2 - 50MM X 50MM X 5MM
ANGLE BAR (TOP BAR)
1 - 16MM DSB (WEB
MEMBER)
2 - 50MM X 50MM X 5MM
ANGLE BAR (BOT. BAR)

ANGLE BAR, 25MM X 25MM X 5MM THICK

HARDFLEX, 3.5MM THICK

FLAT BAR, 25MM X 6MM THICK



FASCIA BOARD DETAIL

Scale 1:25 mtrs.



SR-2, SR-3, SR-4 DETAIL

Scale 1:25 mtrs.



AGUS 1&2
HEPG

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAJAK, SAGUJARAN, LANAO DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'L				
CIVIL				
MECH'L				
ELECT'L				

SUBMITTED

S. A. H. SOHAIL
PEC. PTSG, Agus 1&2 HEPG

REVIEWED:

I. M. MATUAN, CM, SESE
D/M Mgr, Agus 2 HEPG

RECOMMENDED:

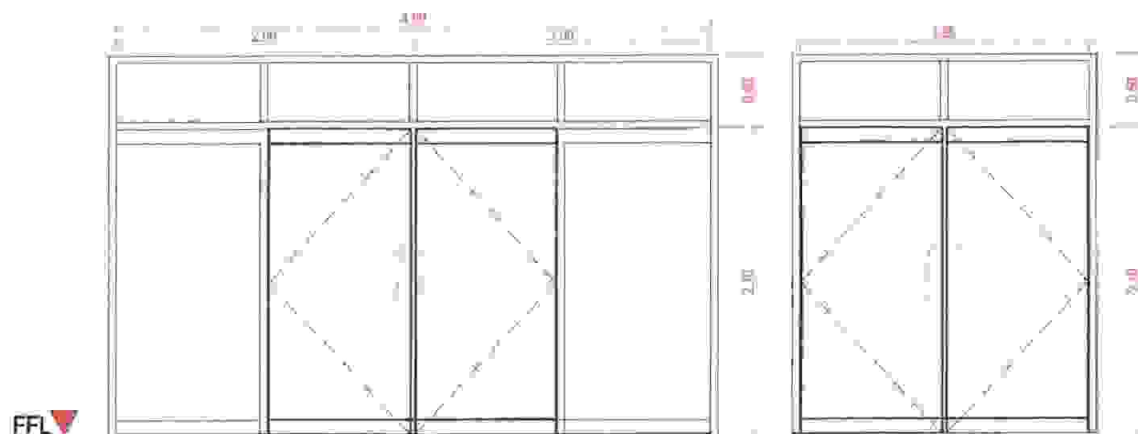
M. T. BAUTIL, Ph.D.
Plant Mgr, Agus 1&2 HEPG

APPROVED BY:

EDMONDO A. VELOSO, JR.
VP/Assistant General Mgr

SHEET No:

34
41



FFL

D1

- ENTRANCE DOOR
- FULL GLASS
- 2x4" ANODIZED BROWN ALUM. FRAMING, TUBULAR
- ANODIZED BROWN ALUM. APPLICABLE TOP AND BOTTOM RAILS
- NO ALUM. DOOR MEETING AND PIVOT STILES
- ANODIZED BROWN ALUMINUM THRESHOLD
- 1"2x 0.40M LONG, HIGH NICKEL CONTENT
- STAINLESS DOOR HANDLE
- LOCAL EXTRUSSION
- COMPLETE WITH DOOR LOCKS
- HEAVY DUTY MECHANISM
- 1/2" TEMPERED, TINTED GLASS, BROWN
- ONE (1) UNIT

D2

- FULL GLASS DOOR
- 2x4" ANODIZED BROWN ALUM. FRAMING, TUBULAR
- ANODIZED BROWN ALUM. APPLICABLE TOP AND BOTTOM RAILS
- NO ALUM. DOOR MEETING AND PIVOT STILES
- ANODIZED BROWN ALUMINUM THRESHOLD
- 1"2x 0.40M LONG, HIGH NICKEL CONTENT
- STAINLESS DOOR HANDLE
- LOCAL EXTRUSSION
- COMPLETE WITH DOOR LOCKS
- HEAVY DUTY MECHANISM
- 1/2" TEMPERED, TINTED GLASS, BROWN
- THREE (3) UNITS

D3

- PANEL TYPE SOLID WOOD, KD
- JAMB, 2x6" HARDWOOD
- 4 PIECES HEAVY DUTY, LOOSE PIN HINGES
- ONE SET DOOR KNOB, LEVER TYPE, HEAVY DUTY
- GLAZED LACQUER PAINT FINISH ON DOOR AND JAMB
- NINETEEN (19) UNITS

D4

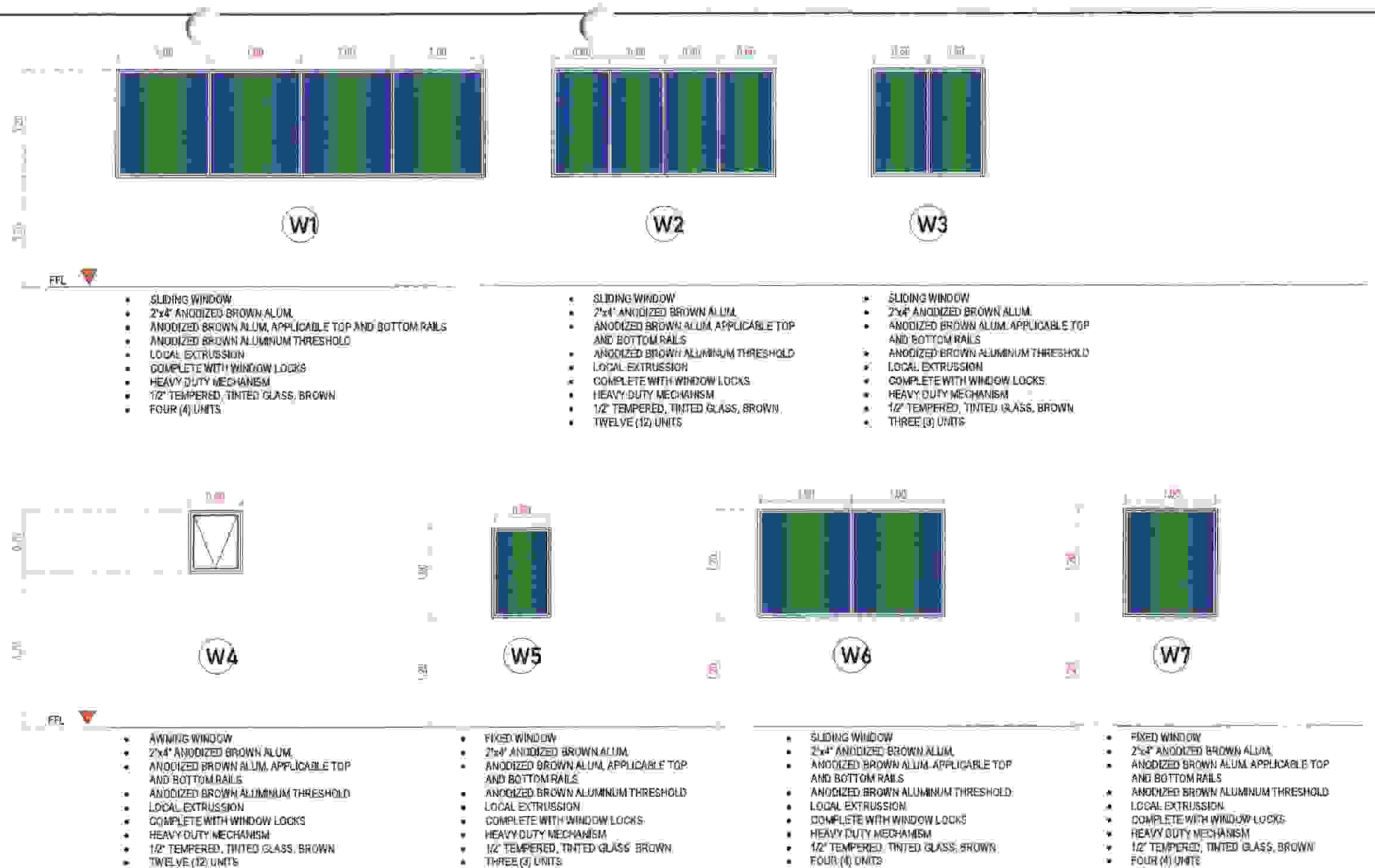
- PVC FLUSH DOOR WITH PLASTIC JAMB
- 2 PIECES HEAVY DUTY, LOOSE PIN HINGES
- ONE SET DOOR KNOB, LEVER TYPE, HEAVY DUTY
- THIRTEEN (13) UNITS

SCHEDULE OF DOORS

Scale

1:50 mtrs.

 AGUS 1&2 HEPG	PROJECT TITLE:	BY	DATE	CHECKED	DATE	 S. A. H. SOHAILI REC'D AGUS 1&2 HEPG	 L. M. BATUAN, DM, CESE CIVIL Engr. Agus 2 HEPC	 M. T. BAUTIL, Ph.D. Plant Mgr. Agus 1&2 HEPG	 EDMUNDO A. VELOSO, JR. Sr. Maintenance Supervisor	SHEET No: <div>35 41</div>
		DESIGN	SAHS							
		ACAD	SAHS							
		SUPERVISOR		SECTION HEAD						
		ARCH'L								
		CIVIL								
		MECH'L								
	ELECT'L									

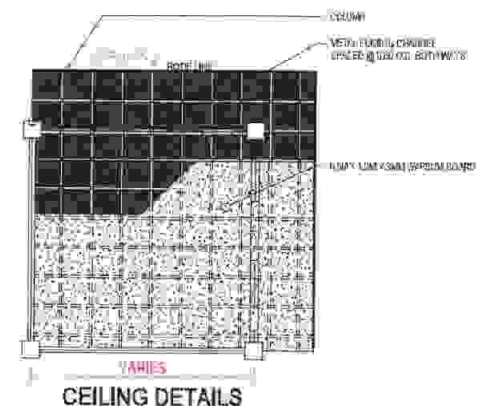
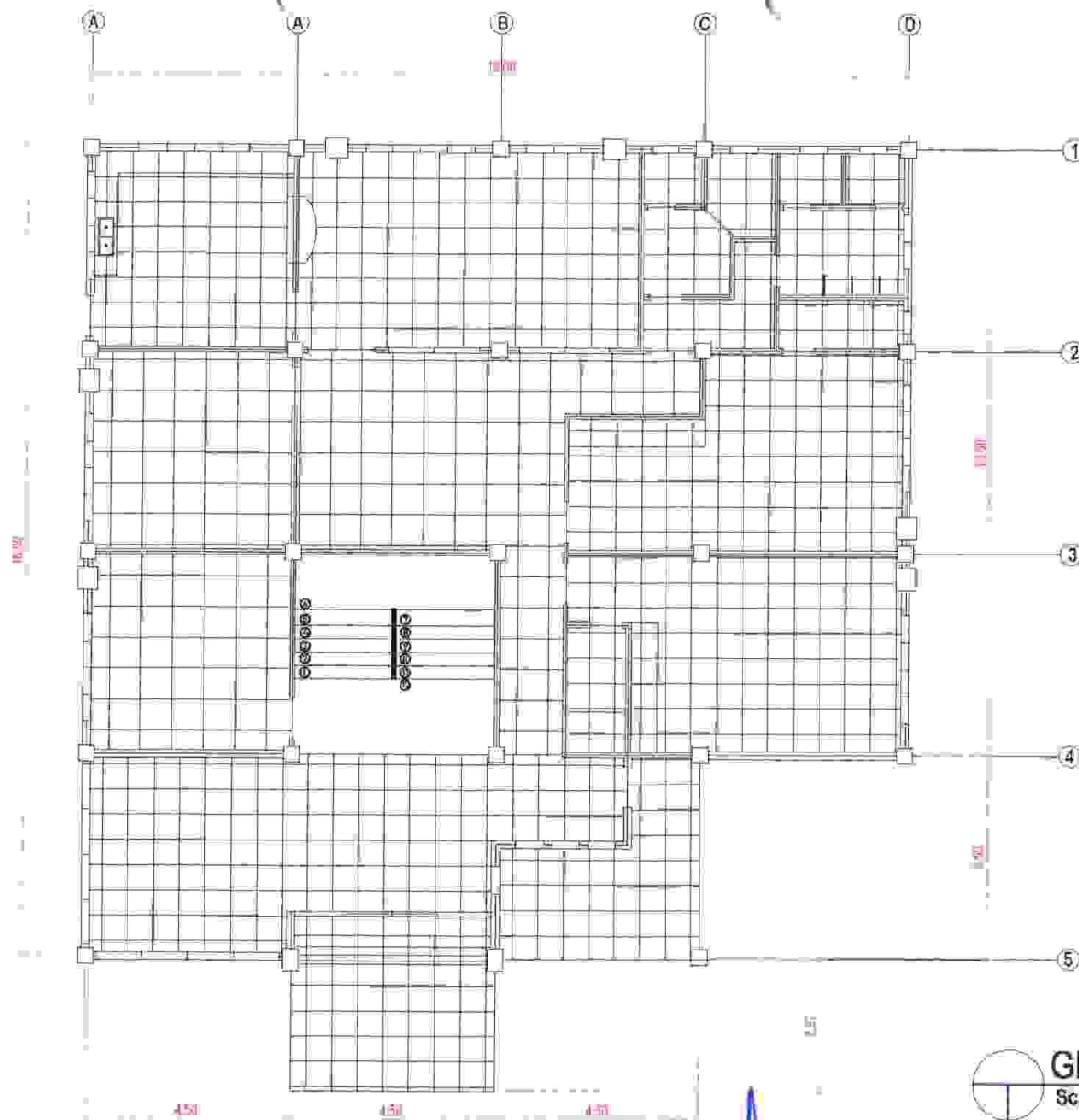


SCHEDULE OF WINDOWS

Scale

1:60 mbs.

<p>AGUS 1&2 HEPG</p>	PROJECT TITLE: CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT, PAWAK, SAGUJARAN, LANA DEL SUR	DESIGN	BY	DATE	CHECKED	DATE	SUBMITTED: S. A. H. SOHAILI P.E.C. P.T.M., Agus 1&2 HEPG	REVIEWED: L. M. MATUAN, DM, CESE C.A.M. Mgr., Agus 2 HEPG	RECOMMENDED: M. T. BAUTIL, Ph.D. Plant Mgr., Agus 1&2 HEPG	APPROVED BY: EDUARDO A. VELOSO, JR. VP, Operations Generation	SHEET No: 36 41
		ACAD	SAHS								
		ARCH									
		CIVIL									
		MECH/ELECT									
			SUPERVISOR		SECTION HEAD						



GROUND FLOOR REFLECTED CEILING PLAN
Scale 1:150 mtrs.



AGUS 1&2
HEPC

PROJECT TITLE:

CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANAG DEL SUR

	BY	DATE	CHECKED	DATE
DESIGN	SAHS			
ACAD	SAHS			
	SUPERVISOR		SECTION HEAD	
ARCH'L				
CIVIL				
MECH'L				
ELECT'L				

SUBMITTED:

S. A. HISHAILI
REC. PT&C, Agus 1&2 HEPC

REVIEWED:

I. M. MATUAN, CIV. ENGR.
CIM Mgr., Agus 2 HEPC

RECOMMENDED:

M. T. BAUTIL, Ph.D.
Plant Mgr., Agus 1&2 HEPC

APPROVED BY:

EDMUNDO A. VELASCO, JR.
VP, Mindanao Generation

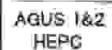
SHEET No:

37
41




Scale

1:150 mtrs.



CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER, AGUS 2 HE
PLANT, PAWAK, SAGUIARAN, LANA DEL SUR

SUBMITTED:



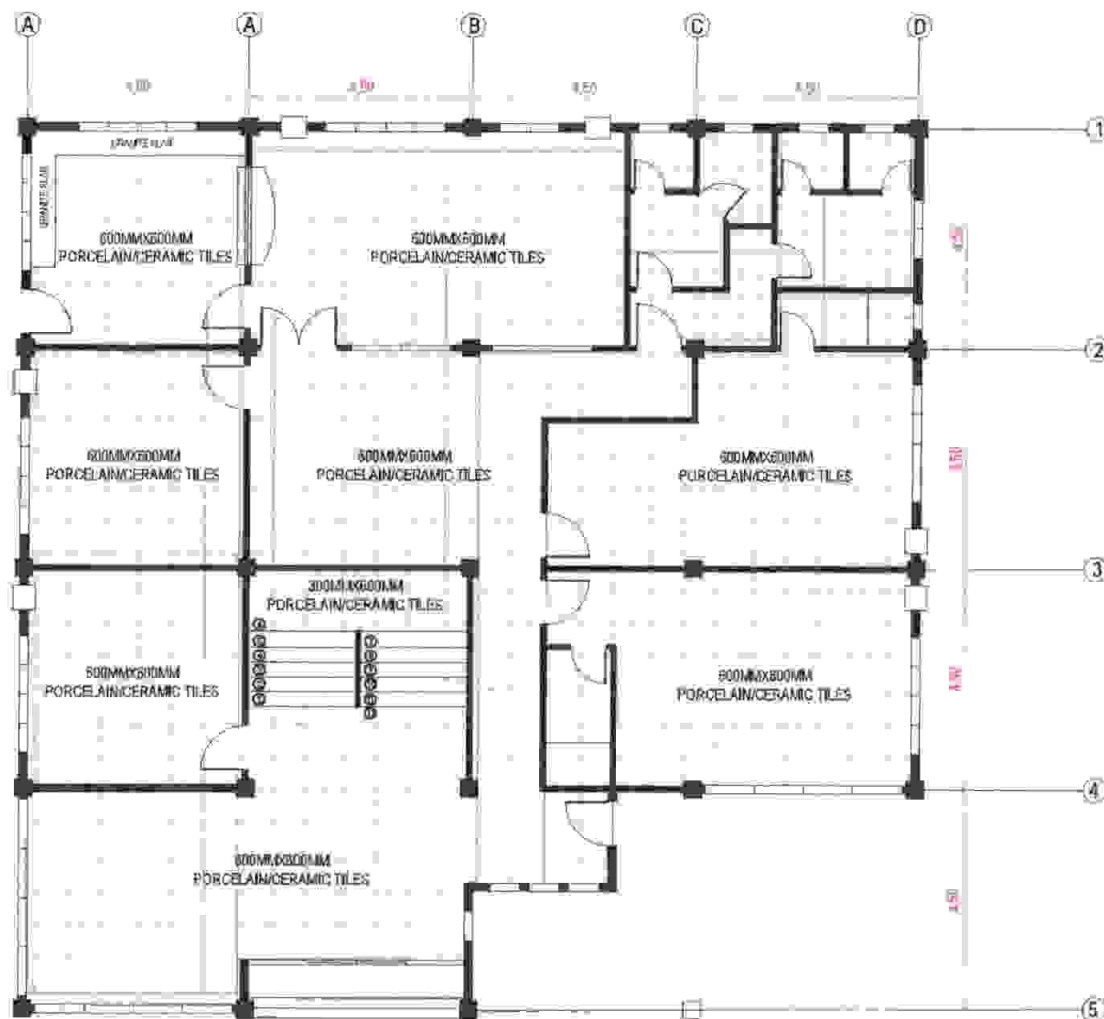
S.A. H.SOHAIL
P.O. BOX 162, Agwa 162 HEPD

L.M. MATHEAN, DM, CSE
CMA Mgr. - Area 2 HEP


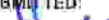




M. T. BAUTIL, Ph.D.
Plant Mgr. Agri. & Z. HEPG

EDMUNDO A. VELOSO, JR.
Vice-Präsident Generaldirektion

38
41



Scale 1:150 mtrs.

	PROJECT TITLE:	BY	DATE	CHECKED	DATE	SUBMITTED:	REVIEWED:	RECOMMENDED:	APPROVED BY:	SHEET No:	
	CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT: PAWAK, SAGUIARAN, LANAO DEL SUR	DESIGN	SAHS				 S.A. H. SCHAILI PEG, PRC, Agus 182 HEPC	 L.M. MATUAN, D. CESE DM Mgr. Agus 2 HEPC	 M. T. BAUTIL, P.N.D. Plant Mgr. Agus 182 HEPC	 ROMULO A. VELOSO, JR. VP, Medium Generation	
		ACAD	SAHS								
			SUPERVISOR		SECTION HEAD						
		ARCHL									
		CIVIL									
Mechl.											
ELECTL											



CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE TRAINING CENTER, AGUS 2 HE PLANT PAWAK SAGUJARAN, LANJAO DEL SUR

MITTID:
S. A. HOSHALI
PHIL 1712, Spring 142 HERC

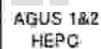
RECOMMENDED:

APPROVED BY

SHEET No:

SECOND FLOOR TILE LAY-OUT PLAN
Scale 1:150 mts.

LOCATION	FLOOR	SIZE	WALL
HALLWAY	QUINCY	QUINCY	NOT APPLICABLE
TRAINING ROOM	QUINCY	QUINCY	NOT APPLICABLE
PRAYER ROOM	QUINCY	QUINCY	NOT APPLICABLE
BED ROOM NO. 3	QUINCY	QUINCY	NOT APPLICABLE
BED ROOM NO. 4	QUINCY	QUINCY	NOT APPLICABLE
BED ROOM NO. 5	QUINCY	QUINCY	NOT APPLICABLE
STAFF/RIGHT ROADS	QUINCY	QUINCY	NOT APPLICABLE



CONSTRUCTION OF GUESTHOUSE &
MULTIPURPOSE TRAINING CENTER. AGUS 2 HE
PLANT. PAWAK, SAGUIARAN, LANA O DEL SUR.

SUBMITTED

S.A.H.SOHAILI
PGD, PTSD April 162 HEPC

L. M. MATHEAN, DM, CESE
CMAA, MAIA, August 2, 1981

M. T. BAUTIL, Ph.D.
Plant Mgr. Agave 182 HEPIC

EDMUNDO A. VELOSO, JR.
VP / Marketing Gerente

SHEET No.:

41
41

Section VIII. Bill of Quantities

NAME OF PROJECT, CONSTRUCTION OF GUESTHOUSE
& MULTIPURPOSE TRAINING CENTER, AGUS 2 HEP
PR NO./REF, NO.: MA-A2M22-003/INFRA2022-AG2-018

(Name of Project)

CONSTRUCTION OF GUESTHOUSE & MULTIPURPOSE
TRAINING CENTER, PAWAK, SAGUIARAN, LANA DEL
SUR

SECTION VIII - BILL OF
QUANTITIES

(PR #) MA-A2M22-003

BILL OF QUANTITIES

Item No.	Description of Work or Materials	Unit	Estimated Quantity	Unit Price in Pesos (Words and Figures)	Total Amount
1.0	CONSTRUCTION SAFETY AND HEALTH PROGRAM	lot	1.00	(PHP)	PHP
2.0	EXCAVATION				
2.1	COLUMN FOOTING AND SEPTIC TANK	cu.m.	154.04	(PHP)	PHP
2.2	TIE BEAM	cu.m.	70.20	(PHP)	PHP
2.3	WALL FOOTING	cu.m.	86.40	(PHP)	PHP

NAME OF PROJECT: CONSTRUCTION OF GUESTHOUSE
& MULTIPURPOSE TRAINING CENTER, AGUS 2 HEP
PR. NO /REF. NO.: MA-A2M22-003/ INFRA2022-AG2-018

	2.4 BACKFILLING	cu.m.	194.00	(PHP	) PHP
3.0	CONCRETE WORKS				
	3.1 COLUMN FOOTING AND COLUMN	cu.m.	95.89	(PHP	) PHP
	3.2 TIE BEAM AND WALL FOOTING	cu.m.	30.30	(PHP	) PHP
	3.3 CONCRETE SLAB (GROUND FLOOR, 2ND FLOOR, CANOPY & SEPTIC TANK) (64.79 CU.M.)	cu.m.	60.79	(PHP	) PHP
	3.4 BEAM AND ROOF BEAM	cu.m.	34.13	(PHP	) PHP
4.0	REINFORCEMENT BAR DSB	kgs	35,619.65	(PHP	) PHP
5.0	MASONRY AND PLASTERING				
	5.1 CHB LAYING / CONCRETE WALL INCLUDING PLASTERING / SMOOTH FINISH	sq.m.	3,709.74	(PHP	) PHP
	5.2 SEPTIC TANK & CATCH BASIN	sq.m.	204.00	(PHP	) PHP
6.0	ROOF FRAMING AND STEEL	lot	1.00	(PHP	) PHP

NAME OF PROJECT: CONSTRUCTION OF GUESTHOUSE
& MULTIPURPOSE TRAINING CENTER, AGUS 2 HEP
PR NO./REF. NO. : MA-A2M22-003/ INFRA2022-AG2-018

7.0	ROOF SHEATHING	ln.m	395.91	(PHP	) PHP
8.0	ELECTRICAL WORKS	lot	1.00	(PHP	) PHP
9.0	PLUMBING WORKS (PIPING AND FIXTURES)	lot	1.00	(PHP	) PHP
10.0	CEILING WORKS	sq.m.	534.84	(PHP	) PHP
11.0	DOORS AND WINDOWS	lot	1.00	(PHP	) PHP
12.0	TILE WORKS	sq.m.	837.14	(PHP	) PHP
13.0	PAINTING WORKS	sq.m.	4,082.27	(PHP	) PHP
					PHP

Name of Firm

Name and Signature of Authorized Representative

Designation

Section IX. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

- I. TECHNICAL COMPONENT ENVELOPE/Submit in three (3) copies- one (1) marked Original with the understanding that the Pass/Fail evaluation will be based only on the copy marked "Original"]**

Class "A" Documents

Legal Documents

- ☒ (a) Valid and updated PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR; or

Technical Documents

- ☒ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid, using NPC-MinGen Standard Form No. NPCMGNSF-INFR-01; and
- ☒ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules, using NPC-MinGen Standard Form No. NPCMGNSF-INFR-02 supported with the following documents:
- Contract and/or Notice to Proceed;
 - For project completed less than one year from the scheduled date of bid opening, submit Certificate of Completion;
 - For project completed at least one year from the scheduled date of bid opening, submit Owner's Certificate of Final Acceptance issued by the project owner other than the contractor, or a final rating of at least Satisfactory in the Constructor's Performance Evaluation System (CPES);
 - In case of contracts with the private sector, an equivalent document (Ex. Official receipt) shall be submitted.
- and
- ☒ (d) Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and
- ☒ (e) Original copy of Bid Security. If in the form of a Surety Bond, using NPC-MinGen Standard Form No. NPCMGNSF-INFR-03a, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration using NPC-MinGen Standard Form No. NPCMGNSF-INFR-03b; and
- ☒ (f) Project Requirements, which shall include the following:
- a. Organizational chart for the contract to be bid using NPC-MinGen

SECTION IX- CHECKLIST OF TECHNICAL &
FINANCIAL DOCUMENTS*Standard Form No. NPCMGNSF-INFR-04;*

- ☒ b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data, using NPC-MinGen Standard Form No. NPCMGNSF-INFR-05, 6a, 6b & 07;
- ☒ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, using NPC-MinGen Standard Form No. NPCMGNSF-INFR-08 and its supporting documents; and
- ☒ (g) Original duly signed Omnibus Sworn Statement (OSS), using any of the following NPC-MinGen Standard Forms No.:
NPCMGNSF-INFR-09a – for Sole Proprietorship;
or
NPCMGNSF-INFR-09b – for Partnership/Cooperative/Corporation/
Joint Venture with the following supporting documents:
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☒ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) using NPC-MinGen Standard Form No. NPCMGNSF-INFR-10.

Class "B" Documents

- ☒ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence, using NPC-MinGen Standard Form No. ***NPCMGNSF-INFR-11;***
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE *[Submit in three (3) copies- one (1) marked Original with the understanding that the Pass/Fail evaluation will be based only on the copy marked "Original"]*

- ☒ (j) Original of duly signed (each and every page) and accomplished Financial Bid Form, using NPC-MinGen Standard Form No. NPCMGNSF-INFR-12;
and

SECTION IX- CHECKLIST OF TECHNICAL &
FINANCIAL DOCUMENTS

Other documentary requirements under RA No. 9184

- ☒ (k) Original of duly signed (each and every page) Bid Prices in the Bill of Quantities, *using given form in Section VIII; and*
- ☒ (l) Duly signed (each and every page) and accomplished Detailed Estimates Form using NPC-MinGen Standard Form No. *NPCMGNSF-INFR-13*, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid using NPC form *NPCMGNSF-INFR-14; and*
- ☒ (m) Cash Flow by Quarter or Month, as applicable (duly signed each and every page)

STANDARD BIDDING FORMS

NPC-MINDANAO GENERATION

- NPCMGNSF-INFR-01 - List of all Ongoing Government & Private Construction Contracts Including Contracts Awarded but not yet Started
- NPCMGNSF-INFR-02 - Statement of the Bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid
- NPCMGNSF-INFR-03a - Form of Bid Security : Surety Bond
- NPCMGNSF-INFR-03b - Bid Securing Declaration Form
- NPCMGNSF-INFR-04 - Contractor's Organizational Chart for the Project
- NPCMGNSF-INFR-05 - List of Key Personnel Proposed to be Assigned to the Project
- NPCMGNSF-INFR-6a - Key Personnel's Certificate of Employment (Professional Personnel)
- NPCMGNSF-INFR-6b - Key Personnel's Certificate of Employment (Construction Safety and Health Practitioner)
- NPCMGNSF-INFR-07 - Key Personnel's Bio-Data
- NPCMGNSF-INFR-08 - List of Equipment, Owned or Leased and/or under Purchase Agreement, Pledged to the Proposed Project
- NPCMGNSF-INFR-09a - Omnibus Sworn Statement (Sole Proprietorship)
- NPCMGNSF-INFR-09b - Omnibus Sworn Statement (Partnership/ Cooperative/Corporation//Joint Venture)
- NPCMGNSF-INFR-10 - Computation of Net Financial Contracting Capacity (NFCC)
- NPCMGNSF-INFR-11 - Joint Venture Agreement
- NPCMGNSF-INFR-12 - Bid Form
- NPCMGNSF-INFR-13 - Detailed Cost Estimate Form
- NPCMGNSF-INFR-14 - Summary Sheets of Materials Prices, Labor Rates and Equipment Rental Rates

BID DOCUMENTS

SECTION IX- CHECKLIST OF TECHNICAL &
FINANCIAL DOCUMENTS

NAME OF PROJECT : CONSTRUCTION OF GUESTHOUSE &
MULTI-PURPOSE TRAINING CENTER, AGUS 2 HEP
PR NO./REF. NO.: MA-A2M22-023/ INFRA2022-AG2-018

Standard Form Number : NPCMGNSF-INFRA-01

List of All Ongoing Government and Private Construction Contracts Including

Business Name : _____
Business Address : _____

Name of Contract/Location/ Project Cost	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role	
			Description	%
<u>Government</u>				
<u>Private</u>				

The bidder shall declare in this form all his on-going government and private contracts including contracts where the bidder (or agreement other than his current joint venture where he is a partner. Non declaration will be a ground for disqualification of bid

Note: This statement shall be supported with Contract and/or Notice of Award (to be presented by the winning bidder)

Submitted by : _____
(Printed Name & Signature)

Designation : _____

Date : _____

Standard Form Number : NPCMGNSF-INFR-02

The Statement of the Bidder's Single Largest Completed Contract (SLCC)Business Name : _____
Business Address : _____

Name of Contract	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role	
			Description	%

Note: The bidder must state only one (1) Single Largest Completed Contract (SLCC) similar to the contract to be
shall be supported with:

1. Contract and Notice to Proceed
2. Certificate of Completion (for project completed within the year), or Owner's Certificate of Final Acceptance from the project owner other than the contractor, or a final rating of at least Satisfactory in the Constructor's rating system, or an equivalent document (Ex. Official Receipt) shall be accepted.

Submitted by : _____
(Printed Name & Signature)Designation : _____
Date : _____

Standard Form No: NPCMGNSF-INFRA-03a

FORM OF BID SECURITY (SURETY BOND)

BOND NO.: _____ DATE BOND EXECUTED: _____

By this bond, We (Name of Bidder) (hereinafter called "the Principal") and (Name of Surety) of (Name of Country of Surety), authorized to transact business in the Philippines (hereinafter called "the Employer") as Oblige, in the sum of [amount in words & figures as prescribed in the bidding documents], callable on demand, for the payment of which sum, well and truly to be made, we, the said Principal and Surety bind ourselves, our successors and assigns, jointly and severally, firmly by these presents.

SEALED with our seals and dated this _____ day of _____ 20____

WHEREAS, the Principal has submitted a written Bid to the Employer dated the _____ day of _____ 20____, for the _____ (hereinafter called "the Bid").

NOW THEREFORE, the conditions of this obligation are:

- 1) If the Bidder withdraws his Bid during the period of bid validity specified in the Bidding Documents; or
- 2) If the Bidder does not accept the correction of arithmetical errors of his bid price in accordance with the Instructions to Bidder; or
- 3) If the Bidder, having determined as the LCB, fails or refuses to submit the required tax clearance, latest income and business tax returns and PhilGEPS registration certificate within the prescribed period; or
- 4) If the bidder having been notified of the acceptance of his bid and award of contract to him by the Entity during the period of bid validity:
 - a) Fails or refuses to execute the Contract; or
 - b) Fails or refuses to submit the required valid JVA, if applicable; or
 - c) Fails or refuses to furnish the Performance Security in accordance with the Instruction to Bidders;

Then this obligation shall remain in full force and effect, otherwise it shall be null and void.

PROVIDED HOWEVER, that the Surety shall not be:

- a) Liable for a grater sum than the specified penalty of this bond, nor
- b) Liable for a greater sum that the difference between the amount of the said Principal's Bid and the amount of the Bid that is accepted by the Employer.

Standard Form No: NPCMGNSF-INFR-03a

Page 2 of 2

This Surety executing this instrument hereby agrees that its obligation shall be valid for 120 calendar days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Surety is hereby waived.

PRINCIPAL

SIGNATURE(S)

NAME(S) AND TITLE (S)

SEAL

SURETY

SIGNATURE(S)

NAME(S)

SEAL

Standard Form No: NPCMGNSF-INFRA-03b

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.**BID SECURING DECLARATION**
Project Identification No.: [Insert number]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month]
[year] at [place of execution].[Insert NAME OF BIDDER OR ITS AUTHORIZED
REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Standard Form No: NPCMGNSF-INFR-04

CONTRACTOR'S ORGANIZATIONAL CHART FOR THE CONTRACT

Submit Copy of the Organizational Chart that the Contractor intends to use to execute the Contract if awarded to him. Indicate in the chart the names of the Project Manager, Project Engineer, Foreman and other Key Engineering Personnel.

Attach the required Proposed Organizational Chart for the Contract as stated above

NOTES:

1. This organization chart should represent the "Contractor's Organization" required for the Project, and not the organizational chart of the entire firm.
2. Each such nominated engineer/key personnel shall comply with and submit their complete qualification and experience data.
3. All these are required to be in the Technical Envelope of the Bidder.

Standard Form Number : NPCMGNSF-INFN-05

LIST OF KEY PERSONNEL PROPOSED TO BE ASSIGNED TO THE CONTRACT
(Based on the Minimum Key Personnel Required in the Bidding Documents)

Business Name : _____

Business : _____

	DESIGNATION				
1. Name					
2. Address					
3. Date of Birth					
4. Employed Since					
5. Experience					
6. Previous Employment					
7. Education					
8. PRC License					

Required Attachments during Postqualification:

1. Valid PRC License of the (professional) personnel
2. Certificate of Training with accreditation from DOLE of the Construction Safety and Health Officer
3. TESDA Training Certificate (NC II) of Welder or Electrician, whichever is applicable
4. Copy of Diploma and/or Service Record/Certificate of Employment of previous and/or current employer of Foreman, Welder, Plumber or Electrician, whichever is applicable shall be submitted during post qualification by the winning bidder.

Submitted by: _____

(Printed name & Signature)

Designation: _____

Date: _____

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (based on the minimum key personnel required in the bidding documents) to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).

Standard Form No: NPCMGNSF-INFR-06a

**KEY PERSONNEL'S CERTIFICATE OF EMPLOYMENT
(PROFESSIONAL PERSONNEL)****THE VICE PRESIDENT**
National Power Corporation
Mindanao Generation
Maria Cristina, Iligan City_____
Issuance Date

Dear Sir:

I am (Name of Nominee) a Licensed _____ Engineer with
Professional License No. _____ Issued on _____ at _____

(date of issuance) (place
of issuance)

I hereby certify that (Name of Bidder) Has engaged my services as
(Designation) _____ for the (Name of Project), if awarded to it.

As (Designation), I supervised the following completed projects
Similar to the contract under bidding:

NAME OF PROJECT	OWNER	COST	DATE COMPLETED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

At present, I am supervising the following projects:

NAME OF PROJECT	OWNER	COST	DATE COMPLETED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

In case of my separation for any reason whatsoever from the above-mentioned Contractor, I shall notify the National Power Corporation at least twenty one (21) days before the effective date of separation.

As (Designation), I know I will have to stay in the job site all the time to supervise and manage the Contract works to the best of my ability, and aware that I am authorized to handle only one (1) contract at a time.

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz. Project Manager, Project Engineer, Safety & Health Practitioner, Foremen, etc.), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).

I do not allow the use of my name for the purpose of enabling the above-mentioned Contractor to qualify for the Contract without any firm commitment on my part to assume the post of (Designation) therefore, if the contract is awarded to him since I understand that to do so will be a sufficient ground for my disqualification as (Designation) in any future National Power Corporation bidding or employment with any Contractor doing business with the National Power Corporation.

(Name and Signature)
AFFIANT

REPUBLIC OF THE PHILIPPINES)
City/Municipality of _____) S.S.

SUBSCRIBED AND SWORN TO before me this _____, day of _____ 20____,
affiant exhibiting to me his/her Community Tax Certificate No. _____ issued on
_____ at _____, Philippines.

Notary Public
Until 31 December 20 _____
PTR No. _____
Issued at: _____
Issued on: _____
TIN No. _____

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz. Project Manager, Project Engineer, Safety & Health Practitioner, Foremen, etc.), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).

Standard Form No: NPCMGNSF-INFRA-06b

**KEY PERSONNEL'S CERTIFICATE OF EMPLOYMENT
(CONSTRUCTION SAFETY AND HEALTH PRACTITIONER)****THE VICE PRESIDENT**
National Power Corporation
Mindanao Generation
Maria Cristina, Iligan City_____
Issuance Date

Dear Sir:

I am (Name of Nominee) a Licensed _____ Engineer with
Professional License No. _____ Issued on _____ at _____
_____ (date of issuance) _____ (place
of issuance)

I hereby certify that (Name of Bidder) Has engaged my services as
(Designation) _____ for the _____ (Name of Project) _____, if awarded to it.

As (Designation) _____, I supervised the following completed projects
Similar to the contract under bidding:

NAME OF PROJECT	OWNER	COST	DATE COMPLETED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

At present, I am supervising the following projects:

NAME OF PROJECT	OWNER	COST	DATE COMPLETED
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

In case of my separation for any reason whatsoever from the above-mentioned Contractor, I shall notify the National Power Corporation at least twenty one (21) days before the effective date of separation.

As Safety and Health Practitioner, I know I will have to stay in the job site all the time and aware that I am authorized to handle only one (1) contract at a time.

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz. Project Manager, Project Engineer, Safety & Health Practitioner, Foreman, etc.), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).

SECTION IX- CHECKLIST OF TECHNICAL &
 FINANCIAL DOCUMENTS

Standard Form No: NPCMGNSF-INF-06b
 Page 2 of 2

I do not allow the use of my name for the purpose of enabling the above-mentioned Contractor to qualify for the Contract without any firm commitment on my part to assume the post of Safety and Health Practitioner, if the contract is awarded to him since I understand that to do so will be a sufficient ground for my disqualification as Safety and Health Practitioner in any future National Power Corporation bidding or employment with any Contractor doing business with the National Power Corporation.

 (Name and Signature)
 AFFIANT

REPUBLIC OF THE PHILIPPINES)
 City/Municipality of _____) S.S.

SUBSCRIBED AND SWORN TO before me this _____, day of _____ 20____,
 affiant exhibiting to me his/her Community Tax Certificate No. _____ issued on
 _____ at _____, Philippines.

Notary Public:
 Until 31 December 20 _____
 PTR No. _____
 Issued at: _____
 Issued on: _____
 TIN No. _____

Doc. No. _____
 Page No. _____
 Book No. _____
 Series of _____

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz. Project Manager, Project Engineer, Safety & Health Practitioner, Foremen, etc.), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).

Standard Form No: NPCMGNSF-INFR-07

**KEY PERSONNEL
(FORMAT OF BIO-DATA)**

Give the detailed information of the following personnel who are scheduled to be assigned as full-time staff for the project. Fill up a form for each person.

1. Name : _____
2. Date of Birth : _____
3. Nationality : _____
4. Education and Degrees : _____
5. Specialty : _____
6. Registration : _____
7. Length of Service with the Firm : _____

Year

from _____ (months) _____ (year)

To _____ (months) _____ (year)
8. Years of Experience : _____

9. If item 7 is less than the required number of years stated in BDS Section III- ITB Clause 10.4, give name and length of service with previous employers to satisfy the required number of years of experience within the last ten (10) years (attached additional sheet/s), if necessary:

<u>Name and Address of Employer</u>	<u>Length of Service</u>
_____	Year(s) from _____ to _____
_____	Year(s) from _____ to _____
_____	Year(s) from _____ to _____

10. Experience:

This should cover the past ten (10) years of experience. (Attached as many pages as necessary to show involvement of personnel in projects using the format below).

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz. Project Manager, Project Engineer, Safety & Health Practitioner, Foremen, etc.), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).

Standard Form No: NPCMGNSF-INF-07
Page 2 of 2

1. Name : _____
2. Name and Address of Owner : _____
3. Name and Address of the Owner's Engineer (Consultant) : _____
4. Indicate the Features of Project (particulars of the project components and any other particular interest connected with the project) : _____
5. Contract Amount Expressed in Philippine Currency : _____
6. Position : _____
7. Structures for which the employee was responsible : _____
8. Assignment Period : _____ from _____ (months) _____ (years)
to _____ (months) _____ (years)

Name and Signature of
Employee

It is hereby certified that the above personnel can be assigned to this project, if the contract is awarded to our company.

(Place and Date)

(The Authorized Representative)

One of the requirements from the bidder to be included in its Technical Envelope is a list of contractor's key personnel (viz. Project Manager, Project Engineer, Safety & Health Practitioner, Foremen, etc.), to be assigned to the contract to be bid, with their complete qualification and experience data (including the key personnel's signed written commitment to work for the project once awarded the contract).

BID DOCUMENTS

SECTION IX- CHECKLIST OF TECHNICAL &
FINANCIAL DOCUMENTS

NAME OF PROJECT: CONSTRUCTION OF GUESTHOUSE &
MULTI-PURPOSE TRAINING CENTER, AGUS 2 HEP
PR NO./REF. NO.: MA-A2M22-023/ INFRA2022-AG2-018

Standard Form Number : NPCMGNSF-INFR - 08

LIST OF EQUIPMENT, OWNED OR LEASED AND/OR UNDER PI
(Based on the Minimum Equipment Required in the Bio

Business Name : _____
Business : _____

Description	Model/Year	Capacity/ Performance / Size	Plate No.	Motor No. / Body No.
A. Owned				
i.				
ii.				
iii.				
iv.				
B. Leased				
i.				
ii.				
iii.				
iv.				
C. Under Purchased Agreements				
i.				
ii.				
iii.				
iv.				

Submitted by: _____
(Printed name & Signature)

Designation: _____
Date: _____

One of the requirements from the bidder to be included in its Technical Envelope is the list of its equipment units pledged for the contract which are owned (supported by proof/s of ownership), leased, and/or under purchase agreements (with corresponding engine numbers, availability of equipment from the equipment lessor/vendor for the duration of the project.

Standard Form No: NPCMGNSF-INFR-09a

Omnibus Sworn Statement (Revised)
(SOLE PROPRIETORSHIP)REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.**AFFIDAVIT**I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];
2. As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the National Power Corporation-Mindanao Generation, as shown in the attached duly notarized Special Power of Attorney;
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;

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Page 2 of 2

- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 20___ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED
 REPRESENTATIVE]

[Insert signatory's legal capacity]
 Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Standard Form No: NPCMGNSF-INF-09b

Omnibus Sworn Statement (Revised)
PARTNERSHIP/COOP/CORP/JOINT VENTUREREPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.**AFFIDAVIT**I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];
2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the National Power Corporation-Mindanao Generation, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. *[If a partnership or cooperative:]* None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

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7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
- Carefully examining all of the Bidding Documents;
 - Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 20___ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]
Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Standard Form No: NPCMGNSF-INFR-10

NET FINANCIAL CONTRACTING CAPACITY (NFCC)

- A. Summary of the Bidder's/Contractor's assets and liabilities on the basis of the income tax return and audited financial statement for the immediately preceding calendar year are:

		Year 20
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

- B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = [(Current assets minus current liabilities) x 15] 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 for this Project.

NFCC – P _____

Herewith attached is certified true copy of the audited financial statement, stamped "RECEIVED" by the BIR or BIR authorized collecting agent for the immediately preceding calendar year.

Submitted by:

Name of Bidder/Contractor

Signature of Authorized Representative

Date: _____

Standard Form No: NPCMGNSF-INFRA-11

JOINT VENTURE AGREEMENT**KNOW ALL MEN BY THESE PRESENTS:**

That this JOINT VENTURE AGREEMENT is entered in to by and between:
_____, of legal age, (civil status) _____, authorized representative of
_____ and a resident of _____.

- and -

_____, of legal age, (civil status) _____, authorized representative of
_____ and a resident of _____.

That both parties agree to join together their capital, manpower, equipment, and other resources and efforts to enable the Joint Venture to participate in the Bidding and Undertaking of the hereunder stated Contract of the **National Power Corporation**.

NAME OF FIRM**CAPITAL CONTRIBUTION**

That the capital contribution of each member firm:

NAME OF FIRM**CAPITAL CONTRIBUTION**

1

DLD

2

PHP

That both parties agree to be jointly and severally liable for their participation in the Bidding and Undertaking of the said contract.

That both parties agree that _____ and/or _____ shall be the Official Representative/s of the Joint Venture, and are granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the Joint Venture in the Bidding and Undertaking of the said contract, as fully and effectively and the Joint Venture may do and if personally present with full power of substitution and revocation.

That this Joint Venture Agreement shall remain in effect only for the above stated Contract until terminated by both parties.

Name & Signature of Authorized
Representative

Official Designation

Name of Firm

Name & Signature of
Authorized Representative

Official Designation

Name of Firm

Witnesses

If the bidder is a joint venture, one of the requirements is the submission of a valid joint venture agreement.

Standard Form No: NPCMGNSF-INFR-11

Page 2 of 2

ACKNOWLEDGEMENT

BEFORE ME, a Notary Public for and in _____, Philippines, this _____ day of _____, 20____, personally appeared _____, authorized representative, of _____ with Community Tax Certificate No. _____ issued at _____ on _____, AND _____ authorized representative, of _____ with Community Tax Certificate No. _____ issued at _____ on _____ known to me to be the same person who executed the foregoing instrument consisting of two (2) pages, including the page whereon the acknowledgements are written, all pages signed by both parties and their instrumental witnesses and they acknowledged before me that the same are their free and voluntary acts and deeds and that of the Corporations they represents.

WITNESS MY HAND AND NOTARIAL SEAL, at the place and on the date first above written.

Notary Public

Until 31 December 20 _____

PTR No. _____

Issued at: _____

Issued on: _____

TIN No. _____

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

If the bidder is a joint venture, one of the requirements is the submission of a valid joint venture agreement.

Standard Form No: NPCMGNSF-INFRA-12

Bid Form for the Procurement of Infrastructure Projects**BID FORM**

Project Identification No. : _____

Date : _____

To: **The Vice President**
National Power Corporation
Mindanao Generation
Maria Cristina, Iligan City

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: [insert name of contract];
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: [insert information];
- d. The discounts offered and the methodology for their application are: [insert information];
- e. The total bid price includes the cost of all taxes, such as, but not limited to: [specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of [insert percentage amount] percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

¹ currently based on GPPB Resolution No. 09-2020

SECTION IX- CHECKLIST OF TECHNICAL &
FINANCIAL DOCUMENTS

Standard Form No: NPCMGNSF-INFR-12

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- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the National Power Corporation-Mindanao Generation.
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Standard Form No: NPCMGNSF-INFR-14

**SUMMARY SHEETS OF MATERIALS PRICES, LABOR RATES AND
EQUIPMENT RENTAL RATES**

Name of Bidder: _____

I. Unit Prices of Materials

Materials Description	Unit	Unit Price
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II. Manpower Hourly Rates

Designation	Rate/Hr.
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III. Equipment Hourly Rental Rates

Equipment Description	Rental Rate/Hr.
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Name, Signature of Authorized Representative_____
Designation

Performance Securing Declaration (Revised)

[If used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]
To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacture/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
 - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
 - i. Procuring Entity has no claims filed against the contract awardee;
 - ii. It has no claims for labor and materials filed against the contractor; and
 - iii. Other terms of the contract; or
 - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

*[Insert NAME OF BIDDER OR ITS
AUTHORIZED REPRESENTATIVE]*

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the "Entity") and *[name and address of Contractor]* (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called "the Works") and the Entity has accepted the Bid for *[contract price in words and figures in specified currency]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - a. Philippine Bidding Documents (PBDs);
 - i. Drawings/Plans;
 - ii. Specifications;
 - iii. Bill of Quantities;
 - iv. General and Special Conditions of Contract;
 - v. Supplemental or Bid Bulletins, if any;
 - b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and
- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity]

[Insert Name of Supplier]

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

