PHILIPPINE BIDDING DOCUMENTS

Procurement of INFRASTRUCTURE PROJECTS

Government of the Republic of the Philippines

PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

Project number: 23-00160

Sixth Edition July 2020

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the "Works") through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv)the obligations, duties, and/or functions of the winning Bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Works to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.
- b. Specific details, such as the "name of the Procuring Entity" and "address for bid submission," should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the names of the Project, Contract, and Procuring Entity, in addition to date of issue.

- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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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

Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria.

The IB should be incorporated into the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.



REPUBLIC OF THE PHILIPPINES QUEZON CITY GOVERNMENT



BIDS AND AWARDS COMMITTEE FOR INFRASTRUCTURE & CONSULTANCY 2nd floor, Finance Building, Procurement Department, Quezon City Hall Complex, Elliptical Road, Quezon City

October 24, 2023

Invitation to Bid

No.	Project No.	Project Name	Location	Amount	Durati on Cal. Days	Office	Source Fund
Buil	dings – :	Small B					
1	23- 00156	Proposed Relocation and Upgrading of Service Entrance at Doña Rosario Elementary School	Novaliches Proper	6,104,175.68	90	Department of Engineering	Special Education Fund-Local School Board
2	23- 00157	Proposed Rehabilitation of Buildings I and II, Stage and Perimeter Fence at Nick Joaquin Senior High School	Bahay Toro	12,147,998.02	120	Department of Engineering	Special Education Fund-Local School Board
3	23- 00158	Proposed Rehabilitation of Quezon City University - San Francisco Campus Gate, Perimeter Fence and School Grounds	Sto. Cristo	13,247,508.06	120	Department of Engineering	Engineering - Continuing
4	23- 00159	Proposed Installation of Wet Stand Pipe System and Upgrading of Service Entrance at Project 6 Elementary School	Project 6	16,905,458.56	120	Department of Engineering	Special Education Fund-Local School Board
5	23- 00160	Proposed Rehabilitation of seven (7) school Buildings at Dra. Josefa Jara Martinez High School	Tatalon	18,216,061.97	180	Department of Engineering	Special Education Fund-Local School Board
6	23- 00161	Proposed Rehabilitation of Admin Building at Quezon City Drug Treatment and Rehabilitation Center	Payatas	23,214,596.70	210	Department of Engineering	20% CDF- Continuing Appropriation
Buil	dings –	Medium A					,
7	23- 00162	Proposed Construction of Histophatology, Milk Bank and Microbiology at Rosario Maclang Bautista General Hospital	Batasan Hills	37,857,471.70	240	Engineering Department	20% CDF Continuing Appropriation
8	23- 00163	Proposed Construction of four (4) storey with Roof Deck Multi-Purpose Building	Payatas	56,903,558.87	300	Engineering Department	20% CDF- Continuing Appropriation
9	23- 00164	Proposed Improvement of three (3) storey with Mezzanine and Roof Deck of Disaster Risk Reduction and Management Office Building	Central	76,995,908.34	240	Department of Engineering	Engineering – Continuing Appropriation

		Bronnend Construction of					
10	23- 00165	Proposed Construction of Retaining Wall at Bayanihan ng Litex Homeowners Association	Commonw ealth	9,485,200.41	60	Department of Engineering	LDRRMF - Continuing Fund
11	23- 00166	Proposed Construction of Box Culvert in Alley 15	Bahay Toro	14,303,221.32	150	Department of Engineering	LDRRMF - Continuing Fund
Floo	d Contr	ol – Medium A					
12	23- 00167	Proposed Construction of Slope Protection (Bored Piles) along Kalamiong Creek (Sta. 0+366.49 - Sta. 0+420)	Payatas	77,634,473.61	300	Department of Engineering	LDRRMF - Continuing Fund
Park	ks – Sma	all B					
13	23- 00168	Proposed Development of Elliptical Road Directional Island at East Avenue Intersection	Pinyahan, Central	7,615,580.69	90	Parks Development & Administration Department	DOTr - Trust Fund
14	23- 00169	Proposed Development of Elliptical Road Directional Islands at Quezon Avenue and Visayas Avenue Intersections	Bagong Pag-Asa, Vasra	8,081,214.66	90	Parks Development & Administration Department	DOTr – Trust Fund
15	23- 00170	Proposed Landscaping of Bike Lane and Sidewalk Improvement at Elliptical Road (Phase 1)	Pinyahan, Central, Bagong Pag-Asa, Vasra, Old Capitol Site	10,192,589.25	75	Parks Development & Administration Department	DOTr – Trust Fund
Buil	ding - N	ledium B					
16	23- 00172	Proposed Construction of Amoranto Indoor Sports Facility Building and Improvement of Existing Multi-purpose Building at Amoranto Sports Complex, Quezon City	Barangay Paligsahan	269,163,045.25	450	Department of Engineering	Engineering - Continuing Appropriation

- The QUEZON CITY LOCAL GOVERNMENT, through funding source of various years
 intends to apply the sum stated above being the Approved Budget for the Contract (ABC) to
 payments under the contract for the above stated Projects. Bids received in excess of the ABC
 shall be automatically rejected at bid opening.
- The QUEZON CITY LOCAL GOVERNMENT now invites bids for the above Procurement Project. Completion of the Works is required as stated above. 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).
- Bidding will be conducted through open competitive bidding procedures using nondiscretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

- Interested bidders may obtain further information from QUEZON CITY LOCAL GOVERNMENT – BAC Secretariat and inspect the Bidding Documents at the address given below weekdays from 8:00 am. – 5:00 p.m.
- 5. A complete set of Bidding Documents may be acquired by interested bidders on October 25, 2023 (Wednesday) from given address and website/s below and upon payment of a non-refundable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person.

STANDARD RATES:

Approved Budget for the Contract	Maximum Cost of Bidding Documents (in Philippine Peso)
500,000 and below	500.00
More than 500,000 up to 1 Million	1,000.00
More than 1 Million up to 5 Million	5,000.00
More than 5 Million up to 10 Million	10,000.00
More than 10 Million up to 50 Million	25,000.00
More than 50 Million up to 500 Million	50,000.00
More than 500 Million	75,000.00

The following are the requirements for purchase of Bidding Documents;

- PhilGEPS Registration Certificate (Platinum 3 Pages)
- Document Request List (DRL)
- 3. Authorization to purchase bidding documents
 - 3.1 Secretary's Certificate (for corporation)
 - 3.2 Special Power of Attorney (for sole proprietorship)
- 4. Notarized Joint Venture Agreement (if applicable)
- 5. Letter of Intent

It must be duly received by the BAC Secretariat at 2nd Floor, Procurement Department, Finance Building, Quezon City Hall Compound.

 The QC-BAC-INFRASTRUCTURE & CONSULTANCY will hold a Pre-Bid Conference¹ on November 06, 2023 at 9:30 AM at 2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound or we encourage the prospective bidders to join through our Virtual Conference (ZOOM APP) which shall be open to prospective bidders.

Virtual Conference (ZOOM APP)

Meeting ID: 854 9489 0133

Password: 273320

- Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before November 28, 2023 – 9:00 AM. Late bids shall not be accepted.
- All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 16.

May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

 Bid opening shall be on November 28, 2023 – 10:00 AM at 2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound and/or via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Virtual Conference (ZOOM APP)

Meeting ID: 810 3646 5257

Password: 201522

- 10. The Quezon City Local Government 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.
- 11. For further information, please refer to:

ATTY. DOMINIC B. GARCIA

OIC, Procurement Department 2nd Floor, Procurement Department, Finance Building, Quezon City Hall Compound Elliptical Road, Barangay Central Diliman, Quezon City. Tel. No. (02)8988-4242 loc. 8506/8710 Email Add; bacinfra.procurement@quezoncity.gov.ph

Email Add: bacinira.procurement@quezoncity.g

Website: www.quezoncity.gov.ph

12. You may visit the following websites:

For downloading of Bidding Documents: https://quezoncity.gov.ph/public-notices/procurement/

By:

ARCH. LUCILLE H. CHUA, fuap, piep Chairperson, BAC-Infra and Consultancy

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

1. Scope of Bid

The Procuring Entity, Quezon City Government invites Bids for the PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL, with Project Identification Number 23-00160.

[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]

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 2023 in the amount of Eighteen Million Two Hundred Sixteen Thousand Sixty-One Pesos and 97/100 Ctvs. (18,216,061.97).
- 2.2. The source of funding is:
 - a. LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.

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 "I" 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.

- 7.1. [If Procuring Entity has determined that subcontracting is allowed during the bidding, state:] The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criterial stated in ITB Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
- 7.2. [If subcontracting is allowed during the contract implementation stage, state:] The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary

requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

7.3. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

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 on November 06, 2023, 09:30 A.M. at 2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound and/or we encourage the prospective bidders to join through our Virtual Conference (ZOOM APP) Meeting ID: 854 9489 0133 Password: 273320

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 tradeable 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 in no case shall exceed One Hundred Twenty (120) calendar days from the date of opening of bids, unless duly extended by the bidder upon the request of the Head of the Procuring Entity (HoPE) of the Quezon City Local Government. 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 5 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 15 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

Notes on the Bid Data Sheet (BDS)

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

TIED OIL			
ITB Clause			
5.2	For this purpose, similar contracts shall refer to contracts which have the same major categories of work.		
7.1	Subcontracting is not allowed.		
10.3	No additional contractor license or per	mit is required	
	In addition, eligible bidders shall quali		
	1. Bidders with valid Philippine Contract	ctors Accreditation B	oard (PCAB)
	Туре		
	Buildings- Small B		
10.4	The minimum work experience requirements for key personnel ar following:		
	Qnty. Key Personnel General F	Experience Releva	nt Experience
	1 Project-In-Charge 3 y (Project Engineer)	years	3 years
	1 General Foreman 3 y	years	3 years
	1 Safety Officer 3	years	3 years
	1 Trade Engineers/ Leadman 3 y for Civil Works	years	3 years
	1 Trade Engineers/ Leadman 3 y for Electrical Works	years	3 years
10.5	In addition, the bidder must execute notarized stating that the foregoing perfor the project until its completion. Ple The minimum major equipment require	rsonnel shall perforn ase see attached bid	n work exclusively forms.
	Equipment Dump Truck	Capacity N	Number of Units 1
	In addition, the bidder must execute notarized stating that the foregoing equation the project until its completion. Please	uipment shall be us	ed exclusively for
12	[Insert Value Engineering clause if allo	wed.]	
15.1	The bid security shall be in the form of a number, or any of the following forms a	_	ration with project
<u> </u>	I .		

	a) The amount of not less than Php 364,321.24 or equivalent to two percent (2%) of ABC if bid security is in cash, cashier's/manager's check, bank		
	draft/guarantee or irrevocable letter of credit; or		
	b) The amount of not less than Php 910,803.10 or equivalent to five percent		
	(5%) of ABC if bid security is in Surety Bond.		
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot		
	and the lot shall not be divided into sub-lots for the purpose of bidding,		
	evaluation, and contract award.		
20	No additional requirement.		
21	Additional Contract Documents relevant to the Project as required:		
	1. Construction Schedule and S-curve,		
	2. Manpower Schedule,		
	3. Construction Methods,		
	4. Equipment Utilization Schedule,		
	5. PERT/CPM or other acceptable tools of project scheduling, shall be		
	included in the submission of Technical Proposal.		

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Contractor, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special 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

- 3.1 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.
 - 3.2 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

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Works procured. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
2	Completion of work shall be within 180 calendar days.
4.1	The Procuring Entity shall give possession of all parts of the Site to the
	Contractor upon receipt of the Notice to Proceed.
6	The site investigation reports are: [list here the required site investigation reports.]
7.2	[Select one, delete the other.]
	[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:] Fifteen (15) years.
	[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:] Five (5) years.
	[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:] Two (2) years.
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
13	The amount of the advance payment is no more that fifteen percent (15%) of the Contract Price subject to approval by the HOPE and compliance with the conditions under RA 9184 and its IRR.
14	No further instructions.
15.1	The date by which operating and maintenance manuals are required is thirty (30) days The date by which "as built" drawings are required as part of final payment
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 ten (10%) percent of the contract price.

Section VI. Specifications

Notes on Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying or conditioning their Bids. In the context of international competitive bidding, the specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of Bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

Samples of specifications from previous similar projects are useful in this respect. The use of metric units is mandatory. Most specifications are normally written specially by the Procuring Entity or its representative to suit the Works at hand. There is no standard set of Specifications for universal application in all sectors in all regions, but there are established principles and practices, which are reflected in these PBDs.

There are considerable advantages in standardizing General Specifications for repetitive Works in recognized public sectors, such as highways, ports, railways, urban housing, irrigation, and water supply, in the same country or region where similar conditions prevail. The General Specifications should cover all classes of workmanship, materials, and equipment commonly involved in construction, although not necessarily to be used in a particular Works Contract. Deletions or addenda should then adapt the General Specifications to the particular Works.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for goods, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that goods, materials, and workmanship that meet other authoritative standards, and which ensure substantially equal or higher quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the SCC.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted

subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

These notes are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final Bidding Documents.



Replublika ng Pilipmas Lungsod ng Queson

KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT)

5TH, 6TH, 7TH Floors, QC Civic Conter Building "B"

Telephone Nos. 8988-4242 Local 6538



PROJECT TITLE:

PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA.

JOSEFA JARA MARTINEZ HIGH SCHOOL

BARANGAY TATALON, DISTRICT 4, QUEZON CITY LOCATION

TECHNICAL SPECIFICATIONS

I. GENERAL REQUIREMENTS

- A. Comply with the current and existing laws, ordinances and applicable codes, rules and regulations, and standards. Any works performed contrary to the existing laws, rules and regulations, ordinances and standards without notice shall bear all cost erising therefrom
- B. Drawings, specifications, codes and standards are minimum requirements. Where requirements differ, the more stringent apply.
- C. Should there be any change(s) in drawings or specifications, it is required to comply with: the governing regulations, notify the implementing agency.
- D. Photographs shall be taken as, when and where directed at intervals of not more than one month. The photographs shall be sufficient in number and location, to record the exact progress of the works. The photographs shall be retained and will become the property of the Government.
- E. Site verification / inspection shall be conducted to validate the scope of works. No extra compensation and extension of time shall be given due to negligence or inadvertence.
- F. The quality of materials shall be of the best grade of their respective kinds for the purpose. The work shall also be performed in the best and most capable marmer in strict accordance. with requirements of the plane and details. All materials not conforming to the requirements. of these specifications shall be considered as defective.
- G. All equipment and installations shall meet or exceed minimum requirements of the standards and codes.
- H. Mobilization and Demobilization (if applicable).
 - Mobilization shall include all activities and related coals for transportation of personnel. equipment, and operating supplies to the site establishment of offices, buildings, and other necessary general facilities for the operations at the site.
 - Demobilization shall include all activities and costs for transportation of personnel. equipment, and supplies not anymore required within the construction site including the disassembly, removal and site clean-up of offices and other facilities assembled on the site specifically for this contract.
- Execute work in strict accordance with the best practices of the trades in a thorough; substantial, workmanlike manner by competent workman. Provide a competent, experienced, full-time supervisor who is authorized to make decisions on behalf of the Contractor.
- Temporary Facilities and Utilities
 - 1. All facilities shall be near the job site, where necessary and shall conform to the best standard for the required types.

- Temporary facilities shall be provided and maintained including sanitary facilities and liest aid stations.
- Temporary utilities shall be sufficiently provided until the completion of the project such as water, power and communication.
- Temporary enclosure shall be provided around the construction site with adequate guard lights, railings and proper signage
- Temporary roadways shall be constructed and maintained to sustain loads to be carried on them during the entire construction period.
- 6 Upon completion of the work, the temporary facilities shall be demolished, hauled-outand disposed property.
- K. Adequate construction safety and health protection shall be provided at all times during the execution of work to both workers and property.
 - A fully-trained Medical Aide shall be employed permanently on the site who shall be engaged solely to medical duties
 - The medical room shall be provided with weterproofing; it could be a building or room designered and used exclusively for the purpose and have a floor area of at least 15 square meters and a glazed window area of at least 2 square meters.
 - The location of the medical room and any other arrangements shall be made known to all employees by posting on prominent locations and suitable notices in the site.
 - Additional safety precautions shall be provided in the event of a pandemic. Protocols
 set forth by the government shall be strictly followed:
 - Construction safety shall consist of construction canopy and safety net.
- I. Necessary protections to the adjacent property shall be provided to avoid untoward incidents / accidents
- M. Final cleaning of the work shall be employed prior to the final inspection for the certification of final acceptance. Final cleaning shall be applied on each surface or unit of work and shall be of condition expected for a building cleaning and maintenance program.

II. SITE WORKS

- A Alt grades, lines, levels and dimensions shall be verified as indicated on the plans and detaits. Any discrepancies or inconsistencies shall be reported before commencing work.
- 8. This Item shall consist of the removal wholly or in part, and satisfactory disposal of all buildings, tendes, structures, old pavements, abandoned pipe lines, and any other obstructions which are not designated or permitted to remain, except for the obstructions to be removed and disposed of under other items in the Contract.
 - Removal and/or demolition of existing structures shall be done in accordance to safety procedures.
- C. All excavations shall be made to grade as indicated in the plans. Whenever water is encountered in the excavation process, it shall be removed by pumping, care being taken that the surrounding soil particles are not disturbed or removed.

The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements may be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Trenches or foundation pits for structures or structure footings shall be excavated to the lines and grades or elevations shown on the Plans or as staked by the Engineer. They shall be of sufficient size to permit the placing of structures or structure footings of the full width and length shown. The sievations of the bottoms of footings, as shown on the Plans, shall be considered as approximate only and the Engineer may order, in writing, such changes.

in dimensions or elevations of footings as may be deemed necessary, to secure a satisfactory foundation.

Soulders, logs, and other objectionable materials encountered in excavation shall be removed.

After each excavation is completed, the Contractor shall notify the Engineer to that effect and no footing, bedding material or pipe culvert shall be placed until the Engineer that approved the depth of excavation and the character of the foundation material

D. All exceveled materials, so far as suitable, shall be utilized as backfill. The surplus materials shall be disposed of in such menner as not to obstruct the stream or otherwise impeir the efficiency or appearance of the structure. No exceveted materials shall be deposited at any time so as to endanger the partly finished structure.

All beckfills shall be placed in layers not exceeding to 150mm in thickness and each layer shall be thoroughly compacted by weiting, famping and rolling

- E. Soil Poisoning. There are two methods usually adopted in soil poisoning which are as follows:
 - Cordoning. This method is usually adopted when there is no visible evidence of termite infestation. Trenches in concentric circles, squares or rectangles are dug 150mm to 220mm wide and at least one meter apart and applied with Liquid Termicide Concentrate working solution at the rate of 8 liters per linear meter.
 - Drenching. When soil show termite infestation, this method shall be applied. The building area shall be thoroughly drenched with Liquid Termicide Concentrate working solution at the rate of 24 liters per square mater.

III. CIVIL / STRUCTURAL WORKS

A. CONCRETE WORKS

- Delivery, Storage, and Handling: All materials shall be so delivered, stored, and handled as to prevent the inclusion of foreign materials and the damage of materials by water or breakage. Package materials shall be delivered and stored in original packages until ready to be used. Packages or materials showing evidence of water or other damage shall be rejected.
- 2. Unless otherwise specified herein, concrete works shall conform to the requirements of the ACI Building Code. Full cooperation shall be given on trades to install embedded items. Provisions shall be made for setting items not placed in the forms. Before concrete is placed, embedded items shall have been inspected and tested for concrete aggregates and other materials shall have been done.

3. Materiets

- Cement for concrete shall conform to the requirements of specifications for Portland Cement (ASTM C = 150).
- Water used in mixing concrete shall be clean and free from other injurious anicumts of oils, acids, alkeline, organic materials or other substances that may be deleterious to concrete or steel
- c. Fine aggregates shall be beach or over sand conforming to ASTM C33, "Specification for Concrete Aggregates". Sand particle shall be course, sharp, clean free from salt, dust, loam, dvt and all foreign matters.
- d. Coarse aggregates shall be either natural gravel or crushed rock conforming to the "Specifications for Concrete Aggregates (ASTM C33). The minimum size of eggregates shall be larger than one fifth (1/5) of the narrowest dimensions between sides of the forms within which the concrete is to be cast not larger than three fourths (3/4) of the minimum clear specing between reinforcing bars and forms.

4 Proportioning and Mixing.

a. Proportioning and mixing of concrete shall conform to the requirements for item 405 of the standard specification with the following proportions:

Cement Send Gravel Class "A" - 1: 2: 3 Class '6" - 1: 2: 4

Class 'C' - 1 2 1/2

- Concrete mixture to be used for concrete shall conform with the structural requirements.
- Mixing concrete shall be machine mixed. Mixing shall begin within 30 minutes after the cement has been added to the aggregates.

Conveying and Placing Concrete

- a. Conveying concrete shall be conveyed from mixer to forms as rapidly as applicable, by methods which will prevent segregation, or loss of ingredients. There will be no vertical drop greater than 1.5 meters except where suitable equipment is provided to prevent segregation and where specifically authorized.
- Placing concrete shall be worked readily into the corners and angles of the forms and eround all reinforcement and imbedded items without permitting the material to segregate, concrete shall be deposited as close as possible to its final position in the forms so that flow within the mass does not exceed two (2) meters and consequently segregation is reduced to a minimum near forms or embedded items, or elsewhere as directed, the discharge shall be so controlled that the concrete may be effectively compacted into horizontal layers not exceeding 30 centimeters in depth within the maximum lateral movement specified.
- c. Time interval between mixing and placing. Concrete shall be placed before initial set has occurred and before it has contained its water content for more than 45 minutes. No concrete mix shall be placed before 60 complete revolution of the machine mixer.
- d. Consolidation of Concrete concrete shall be consolidated with the aid of mechanical vibrating equipment and supplemented by the hand spading and lamping. Vibrators shall not be inserted into lower cursed that have commenced initial set and reinforcement embedded in concepts beginning to set or already set shall not be disturbed by vibrators. Consolidation around major embedded parts shall by hand spading and tamping and vibrators shall not be used.
- Placing Concrete through reinforcement In placing concrete through reinforcement, care shall be taken that no segregation of the coarse aggregate occurs. On the bottom of beams and slabs, where the congestion of steel near the forms makes placing difficult, a layer of mortar of the same cement-send ratios as used in concrete shall be (vst deposited to cover the surfaces).

6 Curing

- General All concrete shall be moist cured for a period not less than seven.
 (7) consecutive days by an approved method or combination applicable to local conditions.
- b. Moist Curing The surface of the concrete shall be kept continuously wet by covering with burlep pleasure or other approved materials thoroughly esturated with water and keeping the covering spraying or intermittent hosing

7. Finishing

 Concrete surfaces shall not be plastered unless otherwise indicated. Exposed concrete surfaces shall be formed with plywood, and after removal of forms. the surfaces shall be smooth, true to line and shall present or finished appearance except for minor defects which can be easily repaired with patching with cement mortar, or can be grounded to a smooth surface to remove all joint marks of the form works.

 Concrete Stabs on Fill. The concrete stabs on fill shall be tald on a prepared foundation consisting of sub grade and granuter fill with thickness equal to the thickness of the overlaying stab except when indicated.

B. MASONRY WORKS

- Masonry Units (Concrete Hollow Blocks).
 - a. 100mm thick for all interior walls and 150mm thick for all exterior walls unless
 otherwise indicated.
 - Use 400 psi for non-load bearing blocks and 700 psi for load bearing blocks where required.
 - c. Where full height walls are constructed with concrete hollow blocks, these shall extend up to the bottom of beam or slab unless otherwise indicated on plans. Provide stiffener columns and lintel beams as specified in the structural drawings or as specified or as deemed required to assure a stabilized wall due to height and other considerations.

2. Send:

S-1, washed, clean and greenish in color

3. Montar:

One part Portland cement and two parts sand and water but not more than three parts sand and water.

4. Reinforcement

The concrete hollow blocks shall be reinforced with 10mm diameter deformed bar, spaced not more than 0.8m on centers, both ways.

Plaster bond:

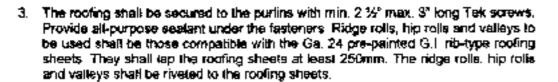
The mixture of cement plaster for concrete hollow block wall finishes indicated in the drawings shall be one part Portland coment and three parts sand.

6 Floor Topping Preparation for Tilework. One part Portland cement and two parts sand and water but not more than three parts sand and water.

C. ROOFING WORKS

- 1. Corrugated galvanized from (G.1) sheets including plain aluminum sheets for rooting accessories shall be cold-rolled meeting ASTM A-153 and with spetter coating of zinc of not less than 0.381 kg/sq.m. (1.25 ounce/sq.ft.) conforming to ASTM A-525 or pns 67:1985. Unless otherwise specified or shown on Plans, roofing sheets shell be gauge 26 (0.48mm thick) and provided in long span sizes to minimize end laps. Sheets shell weigh not less than 3.74 kg/sq.m. and shall be marked or stamped showing the gauge, size amount of zinc coating, brand and name of manufacturer Test specimens shell stand being bent through 180 degrees flat on itself without fracture of the base metal and without flaking of the zinc coating.
- Ridge/hip rolls, valleys, flashing and counter flashings, gutters and downspouts, whenever required, shall be fabricated from plain G.I. sheets. Ridge/hip rolls, flashings and counter flashings shall be gauge 26. Valleys, gutters and downspouts shall be gauge 24 unless otherwise specified on Plans. Were basket strainers shall be galvanized, gauge 24.

Roof ventilators, whenever required shall be fabricated from gauge 26 plain G.t. sheets and constructed to the dimensions and details shown on Plans



- 4. Polycarbonate roofing and sunbreakers shall be covered with 6mm thick Rib-type polycarbonate sheets as shown on the ptens. The roofing shall be secured to the purlins with min. 2 ½" max. 3" long Tex ecrews, Provide all-purpose sealant under the festeners. Ridge rolls, hip rolls and valleys to be used shall be those compatible with the 6mm thick solid polycarbonate sheets. They shall lap the roofing sheets at least 250mm. The ridge rolls, hip rolls and valleys shall be riveted to the roofing sheets.
- 5. All roofing sheets edjacent to concrete hollow block and other masonry walls such as property line firewalls, shall be provided with Gauge 26 pre-painted plain G.I. Flashing to extend to the top and over to the other side of the wall. All fasteners shall be placed at the top of the corrugations of the roofing sheets to prevent water from standing around the fasteners.
- Provide 6mm thick thermal insulation with single-side aluminum foil prior to fastening of rooting sheets to serve as thermal protection

D. MOISTURE PROTECTION

1 WATERPROOFING

- a. Cement/hous waterproofing powder mix shall be cement-based, aggregate-type, heavy duty, waterproof coating for reinforced concrete surface and masonry exposed to water. Additive binders shall be of special formulation of acrysic polymers and modifiers in liquid form used as additive with cement-based powder mix that improves adhesion and mechanical properties. Water shall be clean, clear and potable.
- b. Concrete surface to be applied with waterproofing shall be structurally sound, clean and free of dirt, loose mortar particles, paint films, oil, protective coats, efforescence, laltance, etc. All defects shall be properly corrected and carefully formed to provide a smooth surface that is free of marks and properly cured prior to application works.
- Furnish all labor, materials, equipment, plant and other facilities required to complete all waterproofing work as shown on the drawings and herein specified.
 All applications shall be strictly performed by an approved waterproofing Contractor
- d. Test waterproofed area by seventy-two (72) hours and check for any seepages.

Note: Thickness should be as per Manufacturer's Specifications and Installation depending on the areas to be applied with.

2. VAPOR BARRIER

 Vapor barrier shall be placement of 8mil Potyethylene sheet prior to pouring of concrete for foundation members, slabs-on-fill and slabs-on-grade

IV. ARCHITECTURAL WORKS

A. FLOOR FINISHES

 Ceramic Titles. Unglazed caramic tites shall be herd, dense tiles of homogeneous composition its color and characteristics area determined by the materials used in the body, the method of manufacture and the thermal treatment.

Tile work shall not be started until roughing-ins for sanitary/plumbing, electrical and other trades have been completed and tested. The work of all other trades shall be protected from damage.

2 Cement Floor Finish. Morter topping shall be one part Portland cament and three parts fine aggregate by loose volume.

Finish topping shall be pure Portland cement property graded, mixed with water to approved consistency and plasticity. Where required to be colored cement floor finish, red or green oxide powder shall be premixed with Portland cement complying with finish topping requirements and the desired color intensity. Cement floor finish floor hardener shall be premixed as required and applied in accordance with the manufacturer's instruction manual.

B. WALL FINISHES AND PARTITIONING

 Ceramic Tiles. Glazed tiles and trims shall have an impervious face of ceramic materials fused onto the body of the tiles and trims. The glazed surface may be clear white or colored depending on the color scheme approved by the Engineer. Standard glazes may be bright (glossy), semi-mette (fess glossy), matte (dult) or crystalline (motified and textured; good resistance to abrasion).

Tile work shall not be started until roughing-ins for sanitary/plumbing, electrical and other trades have been completed and tested. The work of all other trades shall be protected from damage.

 Cement Plaster Finish. Mortar mixture for brown coal shall be freshly prepared and uniformly mixed in the proportion by volume of one part Portland cement, three (3) parts send and one fourth (1/4) part hydrated time.

Finish coat shall be pure Portland cement properly graded conforming to the requirements and mixed with water to approved consistency and plasticity.

3 Double-Wall Fiber Cement Board Drywalt on Metal Stude. Wall panel shall be two (2) 6 mm thick fiber cement boards, properly cut and prepared for installation and shall conform to the requirements of the Plans.

Metal Studs. Wall framing shall consist of 0.6 mm thick aluminum metal studs and aluminum metal tracks.

Fasteners and Connection detail. All construction and connections shall be secured with rivers, acrews and drive pins, and shall conform to local and stendard codes. Connections shall also be secured with gypsum putty and gypsum tabe.

4. Tollet Partition.

C. CEILING FINISHES

1. Fiber Cement Bound on Metal Frame. The ceiling materials to be used shall conform to the samples approved by the City Engineer. All ceiling works shall be done by men experienced and qualified to do this particular specialty trade. The installation of ceiling materials shall be in accordance with the detailed section and with the manufacturer's manual instructions. Ceiling materials shall be cut as required to fill the perpendicular condition and should be properly secured by anchorage and other eccessories to complete the installation. No mechanical work shall be exposed on the finish work. All points around electrical outlets, pipes and other works extending through materials shall be seeled with caution.

2. Slab Soffit.

D. CARPENTRY WORKS

Lumber of different species for the various parts of the structure shall be well-seasoned, sawn straight, sundried or kith-dried and free from defects such as loose unsound knots, pitch pockets, sepwood, crecks and other imperfections impairing its strength, durability and appearance.

Rough lumber for framing and siding boards shall be air-dried or sundried such that its mosture content shall not exceed 22 percent. Dressed lumber for exterior and interior finishing, for doors and windows, millwork, cabinet work and flooring boards shall be kiln-

dried and shall not have a moisture content in excess of 14 percent at the time of installation in the structure.

Plyboard shall be good grade and made of laminated wood strips of uniform width and thickness bounded together with water resistant resin glue. The laminated core shall be finished both faces with select grade Tanguile or red Lauan veneers not less than 2 mm thick similarly bonded to the core. The plyboard of not less than 19 mm thick shall be free from defects such as split in veneer, buckling or warping.

Plywood shall conform to the requirements of the Philippine Trade Standards 831-02. Thickness of a single layer leminae shall not be less than 2 mm. The taminae shall be superimposed in layers with grains crossing at right engles in successive layers to produce stiffness. The face veneers shall be rotary cut from select grade timber. The laminae and face veneers shall be bonded with water resistant resin glue, not pressed and pressure treated. Ordinary Tanguile or red Lauan plywood with good quality face veneers. 6 mm thick shall be used for double walting and cailing not exposed to moisture; waterproof or manne plywood shall be used for caiting exposed to moisture such as at toilets and eaves, and cailing to be finished with acrytex.

Glue shall be from water resistant resins which, upon hardening, shall not dissolve nor lose its bond or holding power even when soaked with water for extended period.

Nails, screw, bolts, and straps shall be provided and used where suitable for fixing carpentry and joinery works. All fasteners shall be brend new and adequate size to ensure rigidity of connections

- Nails of adequate size shall be steel wire, diamond-pointed, ribbed shark and blight finish.
- Screws of adequate size shall be aluminum or brass plated steel with slotted head.
- Lag screws of adequate size, for enchoring heavy timber framing in concrete or masonry, shall be galvanized steel.
- 4. Bolts and nuts shall be of steel having a yield point of not less than 245 Mpa. Bolts shall have square heads and provided with standard flat steel washers and hexagonal nuts. Threads shall conform to American coarse thread series. Threaded portion shall be long enough so that the nut can be tightened against the bolted members without any need for blocking. The bolt's threaded and shall be linished smooth for ease of engaging and turning the nut.
- Wrought iron streps or angles, when required in conjunction with bolts or lag screws to provide proper anchorage, shall be of the shape and size shown on the Plans

E. PAINTING WORKS

- Paint Materials. All types of paint material and other related products shall be subject
 to (set as to materia) composition by the Bureau of Research and Standard, DPWH or
 the National Institute of Science and Technology.
- Tinting Colors. Tinting colors shall be first grade quality pigment ground in alkyd resin that disperses and mixes easily with paint to produce the color desired. Use the same brand of paint and tinting color to effect good paint body.
- Skim coal Skim coal shall be fine powder type material like kalsomine that can be mixed into pulty consistency, with oil-based primers and points to fill minor surface dents and imperfections.
- Paint Schedule.
 - Exterior Masonry Wall (plain cement plastered finish to be painted)
 - i 1 coat skim coating, 1 coat primer, 2 coats elestomeric paint finish.
 - Interior Mesonry Wall (plain cement plastered finish to be peinted)
 - 1 coat slum coating, 1 cost primer 2 coats latex paint fensh.

- c. Interior Dry Wall
 - i. I coat primer, 2 coats letex paint finish.
- d. Ceiling Boards
 - 1 coat primer, 2 coats lakex paint finish.
- e. Slab Soffu
 - i. 1 coat primer, 2 coats latex paint finish.
- 5. Surface Preparation. All surfaces shall be in proper condition to receive the finish. Woodworks shall be hand-sended smooth and dusted clean. All knot-holes pitch pockets or seppy portions shall be sealed with natural wood filler. Nail holes, crecks or defects shall be carefully puttied after the first coat, matching the color of paint.

Interior woodworks shall be sandpapered between coats. Cracks, holes of imperfections in plaster shall be filled with patching compound and smoothed off to match adjoining surfaces

Concrete and masonry surfaces shall be coated with concrete neutralizer and allowed to dry before any painting primer coat is applied. When surface is dried apply first coating. Hairline cracks and unevenness shall be patched and seeled with approved putty or patching compound. After all defects are corrected apply the finish coats as specified on the Plans (color scheme approved).

In addition, the Contractor shall undertake the following:

- Voids, cracks, nick etc. will be repaired with proper patching material and finished flushed with surrounding surfaces
- Marred or damaged shop coats on metal shall be spot primed with appropriate metal primer.
- Panting and varnishing works shall not be commenced when it is too hot or cold.
- d. Allow appropriate ventuation during application and drying period
- All hardware will be fitted and removed or protected prior to painting and varnishing works
- 8. Application. Paints when applied by brush shelf become non-fluid, thick enough to lay down as adequate film of wet paint. Brush marks shall have flawed out after application of paint.

Paints made for application by roller must be similar to brushing paint. It must be nonsticky when thinned to spraying viscosity so that it will break up easily into droplets.

Paint is atomized by high pressure pumping rather than broken up by the large volume of air mixed with it. This procedure changes the required properties of the paint.

- Application shall be as per paint Manufacturer's specification and recommendation.
- Provide all drop cloth and other covering requisite for protection of floors, walks, aluminum, glass, finishes and other works.
- All applications and methods used shall strictly follow the Manufacturer's Instructions
 and Specifications.
- 16. All surfaces including mesonry wall shall be thoroughly cleaned, puttled, sandpapered, rubbed and polished, masonry wall shall be treated with Neutralizer.
- 11 All exposed finish hardware, lighting fixtures and accessories, glass and the like shall be adequately protected so that these are not stained with paint and other painting materials prior to painting works.

 All other surfaces endengered by stains and paint marks should be taped and covered with craft paper.

V. SANITARY / PLUMBING WORKS

- A. Comply with the current applicable codes, ordenances, and regulations of the authority or authorities having junsdiction, the rules, regulations and requirements of the utility companies (as applicable).
- 8 Supply, installation and testing of the following:
 - Potable water supply system complete in all respects including but not limited to submittals, shop drawings, plping, water meters, valves, bibbs, insulation, all accessories required for complete and operational of the system.
 - Water service connections including but not limited to water meters, float valves. Any and all other works involve in providing the complete operation of the water supply system.
 - Soil waste and vent system complete in all respect including but not limited to connection to existing sewer, submittals, shop drawings, pipes, fittings, valves, cleanout, drains, etc. Complete and operational.
 - Storm drainage system complete in all respect including but not limited to connection to existing storm drainage, submittals, shop drawings, pipes, fittings, valves, cleanout, drains, etc. Complete and operational.
- C Workmanship and installation methods shall conform to the best modern practice. Employ skilled tradesmen to perform work under the direct supervision of fully qualified personnel.
- D All equipment and installations shak meet or exceed minimum requirements of the Standards and Codes as specified in plans and program of work.
- Install equipment in strict accordance with manufacturers written recommendations.
- F. Physical sizes of all plant and equipment are to be suitable for the space allocated for the accommodation of such plant and equipment, taking into account the requirement of access for maintenance purposes.
- G. In selecting makes and types of equipment, the Contractor shall ascertain that facilities for proper maintenance, repair and replacement are provided.
- H. Where the Contractor proposes to use an item of equipment other than that specified or detailed in the drawing, which requires any redesign of the system, drawings showing the layout of the equipment and such redesign as required therefore shall be prepared by the Contractor at his own expenses. Where such approved deviation necessitates a different quantity and arrangement of materials and equipment's from that originally specified or indicated in the drawings, the Contractor shall furnish and install any such additional materials and equipment's required by the system of no additional cost.
- Equipment catalogue and manufacturer's specifications must be submitted for examination and details shall be submitted for approval before any equipment is to be ordered.
- J. This shall include all information necessary to ascertain the equipment comply with this specification and drawings. Data and sales catalogue of a general nature will not be accepted.
- K. All materials, equipment, components and accessories shall be delivered to the Site in a new condition, properly packed and protected against damage or contamination or distortion, breakage or structural weakening due to handling, adverse weather or other circumstances and, as far as practicable, they shall be kept in the packing cases or under approved protective coverings until required for use.
- L. Any items suffering from damage during manufacture, or in transit, or on site whilst in storage or during eraction shall be rejected and replaced without extra cost.

- M. All sanitary fittings and pipework shall be cleaned after installation and keep them in a new condition.
- N. All installed pipelines shall be flushed through with water, redded when necessary to ensure clearance of debris.
- Cleaning and flushing shall be carried out in sections as the installation becomes completed.
- P. The Contractor shall carry out hydraulic test on the complete plumbing systems and the drainage system to show that it is functioning satisfactorily within the requirements of this Specification and local regulations.
- Q. The Contractor shall provide sustable test pumps and arrange for a supply of water required in connection with testing of pipework. The test pump shall be fitted with pressure gauges which shall be of suitable range for the pressure being applied.
- R. Hydrautic tests shall be carried out as the pipework is instalted and shall be completed before chases in walls and ducts are closed. Also test shall be carried out prior to false ceilings and other finishes are installed.
- S. Testing apparatus shall be provided by the Contractor. Where any section of pipework or equipment is unable to withstend the maximum pipework test pressure, it shall be isolated during the pipework test then that section of pipework or equipment shall be re-tested at the appropriate test pressure.
- The Sanitary Contractor must carry out any additional feets required by the end-user and/or approving agency.
- U. Drainage pipe shall be tested by filling the pipe with 3m, of water higher than the test section and wait for 15 min, then check for leakage at every joints.
- V. Testing of drainage systems shall be carried out in sections by dividing the system horizontally. Each section shall comprise pipework and fitting for three floors/storeys required for testing.
- W. Orainage pressure pipe shall be hydraulic tested at minimum pressure 50 psi.
- X. Hangers and supports for plumbing piping and equipment shall withstand the effects of gravity loads and stresses within limits and under conditions indicated according to ASCE/SEL7.
- Y. Install hangers and supports to allow controlled thermal and seismic movement of piping systems, to permit freedom of movement between pipe anchors, and to facilitate action of expansion joints, expansion loops, expansion bends, and similar units.
- Install lateral bracing with pipe hangers and supports to prevent swaying.
- AA (note) building attachments within concrete slabs or attach to structural steel. Install additional attachments at concentrated loads including valves, franges, and strainers. NPS 2-1/2 (DN 65) and larger and at changes in direction of piping. Install concrete inserts before concrete is placed; faster inserts to forms and install reinforcing bers through openings at top of inserts.
- BB. Install hangers and supports so that piping live and dead loads and stresses from movement will not be transmitted to connected equipment.
- CC. Install hangers and supports to provide indicated pape slopes and to not exceed maximum pipe deflections allowed by ASME 231.9 for building services piping.

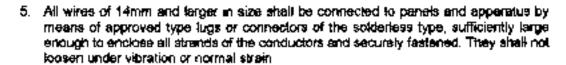
VI. ELECTRICAL WORKS

A. CONDUITS, BOXES AND FITTINGS

- This item shall consist of the furnishing and installation of the complete conduit work, consisting of electrical conduits; conduit boxes such as junction boxes, pull boxes, utility boxes, octagonal and square boxes; conduit filtings, such as couplings, locknuts and bushings and other electrical materials needed to complete the conduit roughingin work of this project.
- All materials shaft be brand new and shall be of the approved type meeting all the
 requirements of the Philippine Electrical Code and bearing the Philippine Standard
 Agency (PSA) mark
- All works throughout shall be executed in the best practice in a workmanike manner by qualified and experienced electricians under the immediate supervision of a duly licensed Electrical Engineer.
- 4. The work to be done under this division of specifications consists of the fabrication, furnishing, delivery and installation, complete in all details of the electrical work, at the subject premises and all work materials incidental to the proper completion of the installation, except those portions of the work which are expressly stated to be done by other fields. All works shall be done in accordance with the rules and regulations and with the specifications.
- 5. All lighting fixtures and tamps are as specified and listed on lighting fixture schedule.
- 6 All grounding system instellation shall be executed in accordance with the approved plans. Grounding system shall include building perimeter ground wires, ground rods, clamps, connectors, ground wells and ground wire taps as shown in the approved design.
- All auxiliary systems such as telephone and intercom system, time clock system, fire elarm system and public address/hurse's call/paging system installations shall be done in accordance with the approved design.
- Upon completion of the electrical construction work, the contractor shall provide all test equipment and personnel and to submit written copies of all test results.
- 9. The contractor shall guarantee the electrical installation are done and in accordance with the approved plans and specifications. The contractor shall guarantee that the electrical systems are free from all grounds and from all defective workmanship and materials and with remain so for a period of one year from date and acceptance of works. Any defect shall be remedied by the Contractor at his own expense.

B. WIRES AND WIRING DEVICES

- This item shall consist of the furnishing and installation of all wires and wiring devices
 consisting of electric wires and cables, wall switches, convenience receptacles, heavy
 duty receptacles and other devices shown on the approved Plans but not mentioned
 in these specifications.
- 2. Wires and cables shall be of the approved type meeting all the requirements of the Philippine Electrical Code and bearing the Philippine Standard Agency (PSA) mark. Unless specified or Indicated otherwise, all power and lighting conductors shall be insulated for 600 volts. All wires shall be copper, soft drawn and annealed, smooth and of cylindrical form and shall be centrally located inside the insulation.
- 3 Conductors or wires shall not be drawn in conduits until after the cement plaster is dry and the conduits are thoroughly cleaned and free from dirt and moisture. In drawing wires into conduits, sufficient slack shall be allowed to permit easy connections for fixtures, switches, receptacles and other wiring devices without the use of additional splices.
- 4. All conductors of convenience outlets and lighting branch circuit homeruns shall be wired with a minimum of 3.5 mm in size. Circuit homeruns to panelboards shall not be smaller than 3.5 mm but all homeruns to panelboard more than 30 meters shall not be smaller than 5.5 mm. No conductor shall be less than 2 mm in size.



- 6. All joints, taps and splices on wires larger than 14 mm shall be made of suitable solderless connectors of the approved type and size. They shall be taped with rubber and PVC tapes providing insulation not less than that of the conductors.
- 7. No späces or joints shall be permitted in either feeder or branch conductors except within outlet boxes or accessible junction boxes or pull boxes. All joints in branch circuit wiring shall be made mechanically and electrically secured by approved splicing devices and taped with rubber and PVC tapes in a manner which will make their insulation as that of the conductor.
- 6. All wall switches and receptacles shall be fitted with standard Bakelita face plate covers. Device plates for flush mounting shall be installed with all four edges in continuous contact with finished wall surfaces without the use of coiled wire or smillar devices. Plaster filling shall not be permitted. Plates installed in wet locations shall be gasketed.
- When more than one switch or device is indicated in a single location, gang plate shall be used.

C. POWER LOAD CENTER, SWITCHGEAR AND PANELBOARDS

- This Item shall consist of the furnishing and installation of the power load center unit substation or low voltage switchgear arid distribution panelboards at the location shown or the approved Plans complete with transformer, circuit breakers, cabinets and all accessories, completely wired and ready for service.
- All materials shall be brand new and shall be of the approved type meeting all the requirements of the Philippine Electrical Code and bearing the Philippine Standard Agency (PSA) mark
- 3. Power Load Center Unit Substation. The Contractor shall furnish and install an indoortype Power Load Center Unit Substation at the location shown on the approved Plans if required. It shall be totally metal-enclosed, dead front and shall consist of the following coordinated component parts:
 - High Voltage Primary Section. High voltage primary incoming line section consisting of the following parts and related accessories.
 - r. One (1) Air-filled Interrupter Switch, 2-position (open-close) installed in a suitable air filled metal enclosure and shall have sufficient interrupting capacity to carry the electrical load. It shall be provided with key interlock with the cubicle for the power fuses to prevent access to the fuses unless the switch is open.
 - ix. Three (3)-power fuses mounted in separate compartments within the switch housing and accessible by a hinged door.
 - One 1) set of high voltage potheads or 3-conductor cables or three single conductor cables
 - w. Lightning arresters shall be instalted at the high voltage cubicle if required
 - Items (I) and (ii) above could be substituted with a power circuit breaker with the correct rating and capacity.
 - b. Transformer Section. The transformer section shall consist of a power transformer with ratings and capacities as shown on the plans. It shall be oil liquid-filled nonflammable type and designed in accordance with the latest applicable standards.

The transformer shall be provided with four (4) approximately 2 1/2 % rated KVA laps on the primary winding in most cases one (1) above and three (3) below rated primary voltage and shall be changed by means of externally gang-operated manual tap changer only when the transformer is de-energized. Tap changing under load is acceptable if transformer has been so designed.

The following accessories shall be provided with the transformer, namely: drain valve, sampling device, filling connection, oil liquid level gauge, ground pad, top lifter press connection, lifting lugs, diagrammatic nameptate, relief valve, thermometer and other necessary related accessories.

The high-voltage and low-voltage bushings and transition flange shall be properly coordinated for field connection to the incoming line section and low voltage switchboard section, respectively.

- c. Low Voltage Switchboard Section. The low-voltage switchboard shall be standard modular-unitized units metal-built, dead front, safety type construction and shall consist of the following.
 - i. Switchboard Housing. The housing shall be heavy gauge steel sheet, dead front type, gray enamel finish complete with freme supports, steel bracings, steel sheet panelboards, removable rear plates, copper busbars, and all other necessary accessories to insure sufficient mechanical strength and safety. It shall be provided with grounding bolts and clamps.
 - Secondary Metering Section. The secondary metering section shall consist of one (1) ammeter, AC, indicating type; one (1) voltmeter, AC, indicating type one (1) ammeter transfer switch for 3-phase; one (1) voltmeter transfer switch for 3-phase; and current transformers of suitable rating and capacity.

The above-mentioned instruments shall be installed in one compartment above the main breaker and shall be complete with all necessary accessories completely wired, ready for use.

iii Main Circuit Breaker. The main circuit breaker shall be draw-out type, manually or electrically operated as required with ratings and capacity as shown on the approved Plans.

The main breaker shall include insulated control switch if electrically operated, manual top button, magnetic tripping devices, adjustable time overcurrent protection and instantaneous short circuit trip and all necessary accessories to insure safe and efficient operation.

w. Feeder Circuit Breakers. There shall be as many feeder breakers as are shown on the single line diagram or schematic riser diagram and schedule of loads and computations on the plans. The circuit breakers shall be drawout or molded case as required. The circuit breakers shall each have sufficient interrupting capacity and shall be manually operated complete with trip devices and all necessary accessories to insure safe and efficient operation. The number, ratings, capacities of the feeder branch circuit breakers shall be as shown on the approved Plans.

Circuit breakers shall each he of the indicating type, providing 'ON' - "OFF and "TRIP" positions of the operating handles and shall each be provided with nameptate for branch circuit designation. The circuit breaker shall be so designed that an overload or short on one pole automatically causes all poles to open

d. Low Voltage Switchgear (For projects requiring low-voltage switchgear only). The Contractor shall furnish and install a low-voltage switchgear at the location shown on the plans. It shall be natal-clad, dead front, free standing, safety type construction and shall have copper busbars of sufficient size, braced to resist allowable root mean square (RMS) symmetrical short circuit stresses, and all necessary accessories. The low-voltage switchgear shall consist of the switchgear housing, secondary metering, main breaker and feeder branch circuit.

e Grounding System. All non-current carrying metallic parts like conduits, cabinets and equipment frames shall be properly grounded in accordance with the Philippine Electrical Code, letest edition.

The size of the ground rods and ground wires shall be as shown on the approved. Plans. The ground resistance shall not be more than 5 ohms.

 Panelboards and Cabinets. Panelboards shall conform to the schedule of panelboards as shown on the approved Plans with respect to supply characteristics, rating of main lugs or main circuit breaker, number and ratings and capacities of branch circuit breakers.

Panelboards shall consist of a factory completed: dead front assembly mounted in an enclosing flush type cabinet consisting of code gauge galvanized sheet steel box with tinn and door. Each door shall be provided with catch lock end two (2) keys. Panelboards shall be provided with directories and shall be printed to indicate load served by each circuit.

Paretocard cabinets and trims shall be suitable for the type of mounting shown on the approved Plans. The inside and outside of panelboard cabinets and trims shall be factory painted with one rust-proofing primer coat and two finish shop coats of pearl gray enamel paint.

Main and branch circuit breakers for panelboards shall have the railing, capacity and number of poles as shown on the approved Plans. Breakers shall be thermal magnetic type. Multiple breaker shall be of the contimon trip type having a single operating handle. For 50-ampere breaker or less, it may consist of single-pole breaker permanently assembled at the factory into a multi-pole unit

 The Contractor shall install the Power Load Center Unit Substation or Low-Voltage Switchgear and Panelboards at the locations shown on the approved Plans.

Standard panels and cabinets shall be used and assembled on the job. All panels shall be of dead front construction furnished with trims for flush or surface mounting as required.

- D Compty with the current applicable codes, ordinances, and regulations of the authority or authorities having jurisdiction, the rules, regulations and requirements of the utility companies (as applicable).
- E. Drawings, specifications, codes and standards are minimum requirements. Where requirements differ, the more stringent apply.
- F. All equipment and installations shall meet or exceed minimum requirements of the Standards and Codes
- G. Execute work an strict accordance with the best practices of the trades in a thorough, substantial, workmanike manner by competent workman.
- H. When the tests and inspections have been completed, a label shall be attached to all devices tested. The label shall provide the name of the testing company, the date the tasks were completed, and the initials of the person who performed the tests.

I. PANELBOARDS

 Fabricate and test panelboards according to IEEE 344 to withstand seismic forces defined in Division 16 Sections 16073 and 16074 "Hangers and Supports for Electrical Systems and Vibration and Seismic controls for Electrical Systems" respectively.

- Enclosures: Flush, Surface, Flush- and surface-mounted cabinets.
 - Rated for environmental conditions at installed location.
 - Indoor Dry and Clean Locations: NEMA, Type 1.
 - Outdoor Locations: NEMA, Type 3R.
 - Kitchen and Wash-Down Areas: NEMA, Type 4X, stainless steel
 - iv. Indoor Locations Subject to Dust, Falling Dirt. and Onpping Nonconcerve Liquids. NEMA, Type 12.
 - Outdoor Locations Subject to Dust, Falling Dirt, and Oripping Noncorrosive Liquids: NEMA, Type 5R.
 - Front: Secured to box with concealed trim clamps. For surface-mounted fronts, match box dimensions; for flush-mounted fronts, overlap box.
 - Hinged Front Cover Entire front trim hinged to box and with standard door within hinged trim cover.
 - d. Skirt for Surfece-Mounted Penelboards. Same gauge and finish as panelboard front with flanges for attachment to panelboard, wall, and ceiling or floor.
 - Gutter Extension and Barrier Seme gage and finish as panelboard enclosure; integral with enclosure body. Arrange to isolate individuel panel sections.

f Finishes:

- Panets and Trim: Steel and galvanized steel, factory finished immediately after cleaning and pretreating with menufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat.
- Back Boxes: Galvanized steel Same finish as panels and trim.
- Fungus Proofing: Permanent fungicidal treatment for overcurrent protective devices and other components.
- g. Directory Card. Inside panelboard door, mounted in transparent card holder metal frame with transparent protective cover.
- Incoming Mains Location: Top or Bottom.
- 4. Phase, Neutral, and Ground Buses:
 - Material: Hard-drawn copper, 98 percent conductivity.
 - Equipment Ground Bus: Adequate for feeder and branch-circuit equipment grounding conductors; bonded to box.
 - Neutral Bus: 100 percent of phase bus 4, Extre-Capacity Neutral Bus: Neutral bus rated 200 percent of phase bus and UL listed as suitable for nonlinear loads

VII. MECHANICAL WORKS

- A. Air Conditioning and Refrigeration System
 - 1. This item shall consist of furnishing and installation of air conditioning, refrigeration and ventilation systems, inclusive of necessary electrical connections, ductworks, grilles, pipes, and condensate drains and all other necessary eccessories ready for service in accordance with the Plans and Specifications.

- The types, sizes, capacities, quantities and power characteristics of the compressor, evaporator, condenser, chilled water pump and condenser water pump shall be specified or as shown on the Plans.
- The air conditioning system shall be entirely automatic in operation and shall not require the presence of an attendant except for periodic inspection for fubrication. All equipment and materials shall be inspected upon delivery and shall be tested after installation. Piping shall not be buried, conceated or insulated until it has been inspected tested and approved. Walls, floors and other parts of the structure and equipment damaged by the Contractor in the prosecution of the work shall be replaced as shown on the Plans.
- 8. controls, electrical wiring connection, and all accessories ready for service

Mark Anthony F. Alaiza Planning and Design Division

Aldwin I. Legundano Planning and Design Division

Section VII. Drawings

[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]

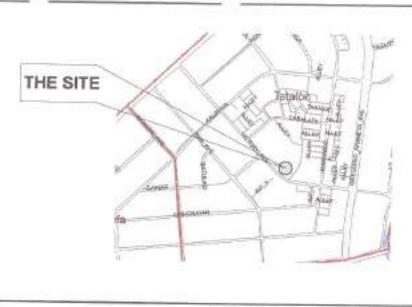


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V	ARCHITECTURAL		ELECTRICAL
AW-1	MCHOY WAT	EL-I	ODNERAL NOTES
200	LOCATION MAP		LEGENDS AND SYMBOLO
MILE	SITE DIEVELOPMENT PLAN	7	MISCELLAMSOUS DETAILS
AF-3	ADMIN BUILDING GROUND FLOOR PLAN	814	SCHEDULE OF LOADS
100	ADMINIBLACING SECOND PLOOF PLAN	85-9	ADMIN BUILDING ELECTRICAL LAYOUTS
AG-4	ADMIN BUILDING ROOF PLAN	8.4	PACOLTY ROOM ELECTRICAL LAYOUT
	FRONT ELEVATION		STAGE ELECTRICAL LAYOUT
	SCHEDULE OF OCCUPS	1 .	COMPORT HOOM BUSCIFRICAL LIXYOUT
AR-S	FACULTY ROOM PLOOF PLAN	7	SHS BUILDING ELECTRICAL LAYOUT
	FACILITY ROOM ROOF PLAN	EL-S	OLD BELMONTE BUILDING
4.00	FRONT ELEVATION		ELECTRICAL LAYOUT
ARI-S	STAGE FLORIDE FLAN	51.6	PAMOS BURLONG SUSCERICAL LAYOUT
	STAGE OR FLOOR PLAN	DL-7	THE BUILDING BUICTRICAL LAYOUT
	SCHEDULE OF DOORS AND WINDOWS		MECHANICAL
ART	REMICH HIGH SCHOOL BUILDING	(4E-1	
	SECOND FLOGRIPLAN	- Carri	SENERAL NOTES
1 3	DUD BELINOW TE SUILDING GROUND		LEGENDS AND SYMBOLS
200	FLOOPIPLAN		SCHEDULE OF EQUIPMENT
ASI.	OLD BELMONTE BUILDING SEDONO	1	PACULTY ROOM BOUPMENT LAYOUT
200	TO THIRD FLOOR PLAN	1	SENIOR HIGH SCHOOL BUILDING
	OLD BELMONTE BUILDING PRONT DLEVATION	-	GOLEPHENT LAYOUT

1 VICINITY MAP

SCALE NYS.



LOCATION MAP

SCALE NTS.

RECOMMENDING APPROVAL



Republic of the Publication Operatory KAGAWARAN NG PNHINYERA (CITY ENGINEEDING DEPARTMENT) PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

STORY THE PROPERTY OF STREET A GUESTINGSTON

PROJECT TIME:

DESENDED DE DERROR DE SENDEN DE SEND

ENTHERNO:

Jul

SURPROTESTION.

ENGR. FREDISWINDS DL. DE GUZNION CHIEF, RUNGHING DE DE HOUSE ENGR ROBBING SELTMAN A

HON, MA. JOSEPHIA G. BELMONTE

AFFROMED BY:

NAMES BUILDING GROUND

AMADS BUILDING FROM FLEEVATION
AS 10 TUE BUILDING GROUND FLOOR FLAN
THE BUILDING SECOND FLOOR FLAN
AR-11 THE BUILDING PRONT ELEVATION
SCHEDILS OF DOORS AND WINDOWS
DOLAT ERFOR DETAILS

TO THERD FLOOR PLAN

PLUMBING FL-1 GENERAL NOTES

LEGENOS AND SYMBOLS
STANSE COMPORT MODAL
PLUMBING LAYOUT
GUO BERMONTE BUILDING
WUFEN LINE LAYOUT
GUO BERMONTE BUILDING
SEMBLIANE LAYOUT
PLUMBING LAYOUT
HUMBING LAYOUT

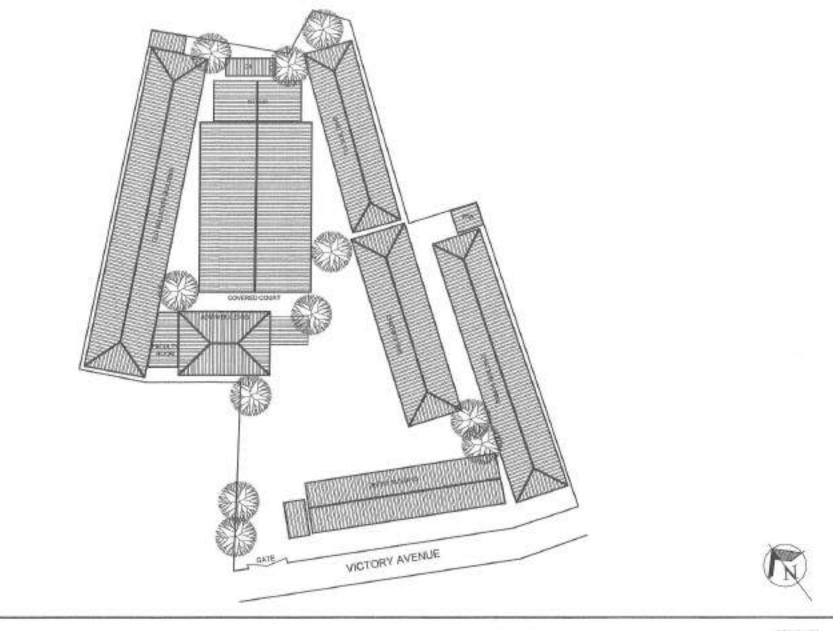
VICINITY BOX LOCATION MAP

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SHEET CONTINUE

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REST NO.



1 SITE DEVELOPMENT PLAN

SCALE NTS.



Republic of the Philippions
Quasar City
KAGAWARAN NG INHENVERA
KTEY ENGINEERING DEFAREMENT)

PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA WARTINEZ HIGH SCHOOL

LODATION: BROX. TATALON DISTRICT 4, CURREN CITY.



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294	ENGR. PRECISIONED DE QUENAN CHE. PLANTO LESSON DISSO

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ENGR. SOMERT L. BELTRAN

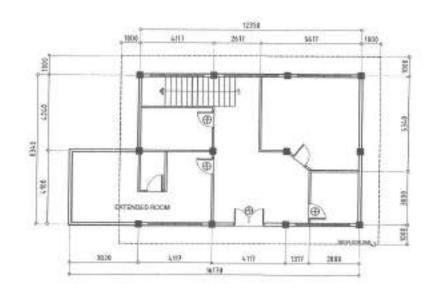
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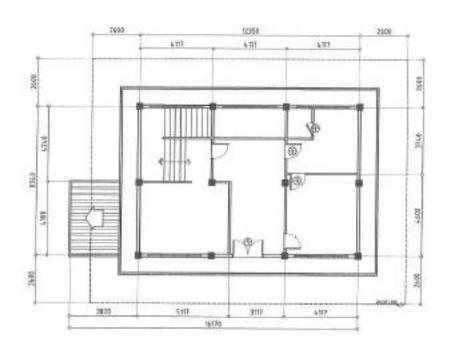
HON, MA, JOSEFFWA G, BELMONTE

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WHOLE STRUCTURE TO BE REPAINTED

DOORS TO BE REPLACED.

SLAB SOFFIT TO BE REPAINTED.

EXTENDED ROOM CELLING TO BE REPLACED WITH BIND FIRER CEMENT BOARD INCLUDING HETW. FRANKS

QUENTIED BY

WHOLE STRUCTURE TO BE REPAINTED.

8: BOORS TO BE REPLACED

3. CELING AND EAVES TO BE REPLACED WITH Grov.

FIBER CEMENT BOARD INCLUDING INCTAL PRAVING

GROUND FLOOR PLAN (ADMIN BUILDING)

SCALE 1:150M

SECOND FLOOR PLAN (ADMIN BUILDING)

BCALE 1:150M DECEMBE.



Population Will Probygains Questo City NAGAWARAN NG INHINYERA SCHOOL SUSPENSIONS OF STREET, PROJECTOTILE PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ

BRIDE TATALON DRIVINGS A. CHEZON CITY

LOOKTON:

DEMONS D. RY Spiles EAST DIVERS BELIEF THE THEORY HIGH SCHOOL O-COSEPHOLISM PENNSKI AD

ENGR. PREDICTORNO OL. DE GUZNAN CHIE. PLANNER DESCRIPTION

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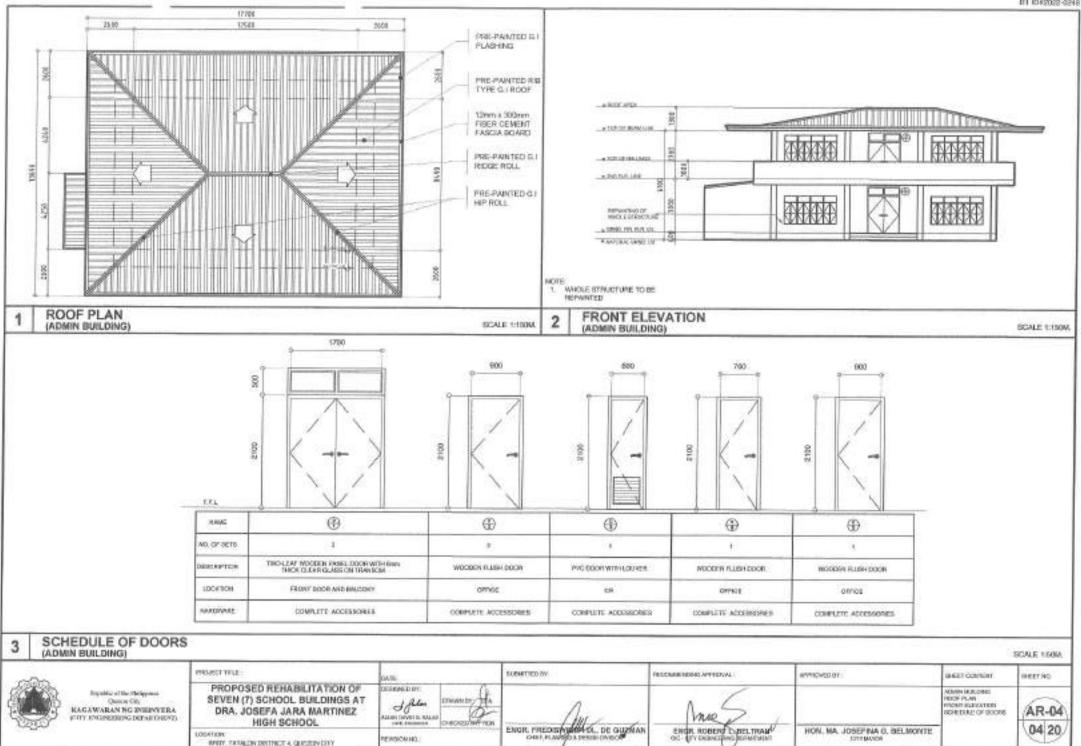
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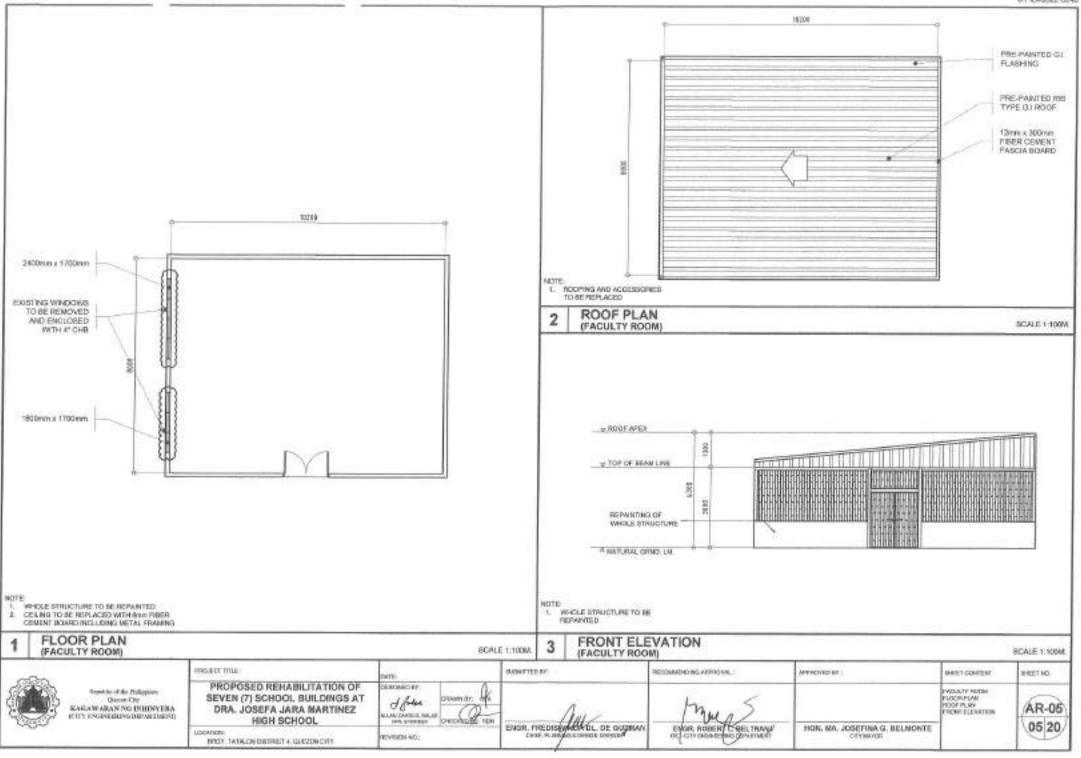
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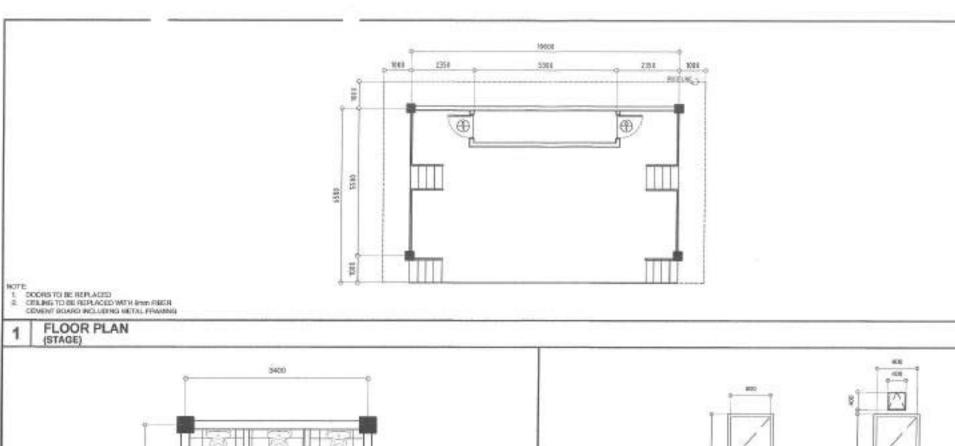
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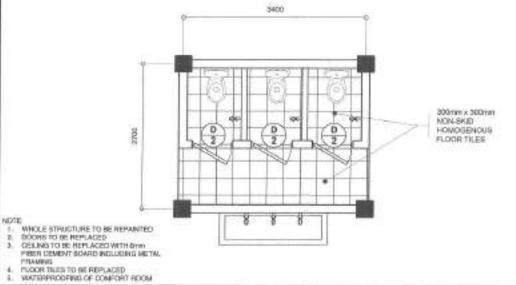
SHEET CONTEST

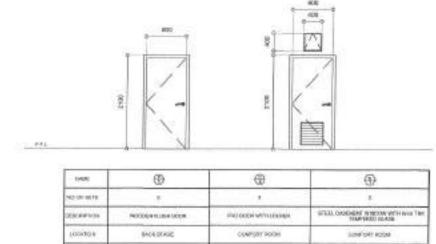




SCALE 1:50M.







FLOOR PLAN (STAGE-COMFORT ROOM)

Reprinted the Hollyman

Queen City

PROPOSED REHABILITATION OF BAGAWARAN NG INBINYERA PLEASURE AND DESCRIPTION OF THE PARTY OF THE

PROJECT TITLE

SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL LCCAPON-

BROK TATALON DISTRICT 4. QUEZON CITY

of flex Decrack on ALLAN CASCO C YOLAR EVERNIO

SCHEDULE OF DOORS AND WINDOWS (STAGE)

MACOUNT

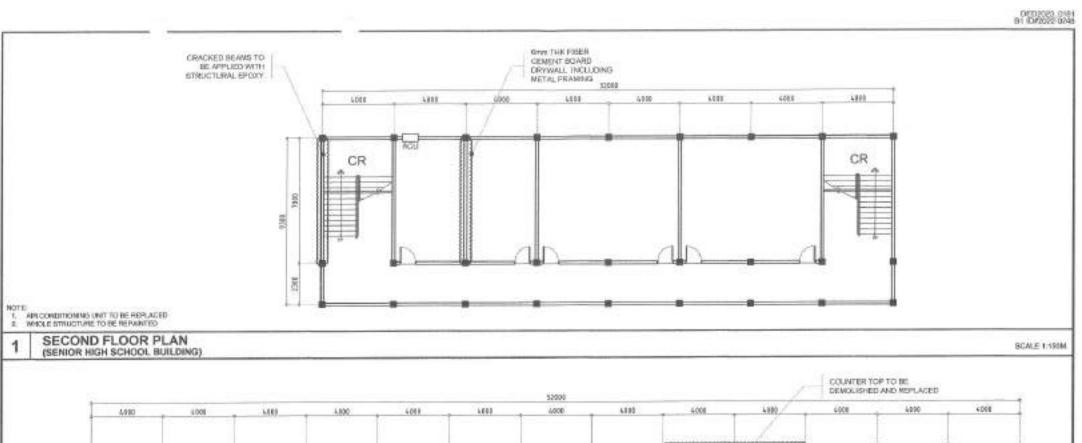
SCALE 150M.

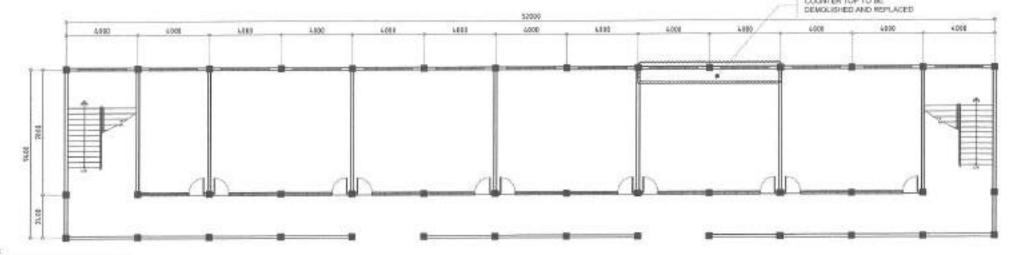
COMPLETE ACCESSIONES

DISTRICT CONTENT.



KOMPLETE ANDERSONES





DESCRIPTION OF

NOTE:

1. WHOLE STRUCTURE TO BE REPWINTED

2. SLAB SOFFIT TO BE REPWINTED

2 GROUND FLOOR PLAN (OLD BELMONTE BUILDING)

SCALE 1.150M



HighEst of the Philippine Queen City EAGATHLERAN NG INHINYERA (CITY EXCEMBERING BEFORETHEAT) PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

BROV. TATALON DISTRICT 4. GUEZAW CITY

SATE SECURITY OF SECURITY STATES SECURITY SECURI

ENGR. FREDERINGS & DESCRIPTION

ENGR PROBERTY DELTRAN

RECOMMENSAS APPROVAL

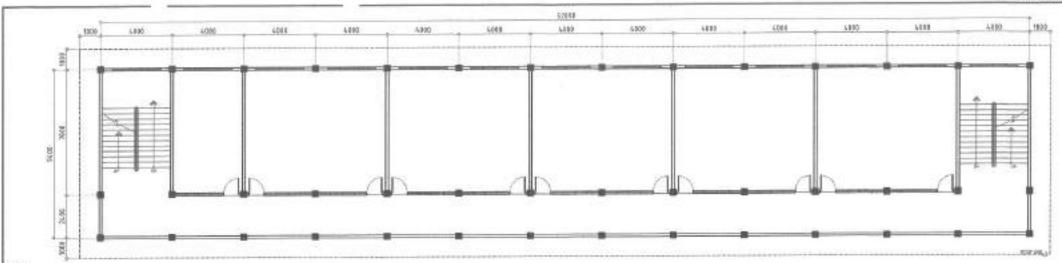
SAMENHAR SCHOOL BESTAN SCHOOL PLOTE AN TENERAL BELLENG HOW MA. JOSEPHA G. GEL MONTE

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APPROVED BY:

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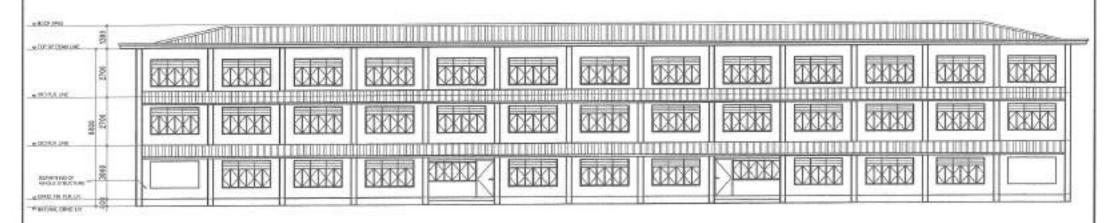
WHOLE STRUCTURE TO BE REPARATED

Z SECOND FLOOR SLAG SOMET TO BE REPAINTED 1. CRUING TO BE REPLACED WITH 61W FISCR CEMENT

SDARD INCLUDING METAL FRAMING

1 SECOND TO THIRD FLOOR PLAN

SCALE 1:150M



OURWITTED BY:

MOTE.

1. WHOLE STRUCTURE TO BE REPAINTED.

2 FRONT ELEVATION (OLD BELMONTE BUILDING)

SCALE 1-150M.



Signatus of the Philippines Questin City KAGAWARAN NG INHINYERA (CITY ENGINERISKI DIEVARTMENT) PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ

HIGH SCHOOL

LOCATION

LINCY TATALON DISTRIBUT A GLEXANGITY



ENGR, PREDISIDADA OL. DE GUZNAN

ENGRIPOSENT L. BULTRAM

EECOMBINGANI APPROVINCE

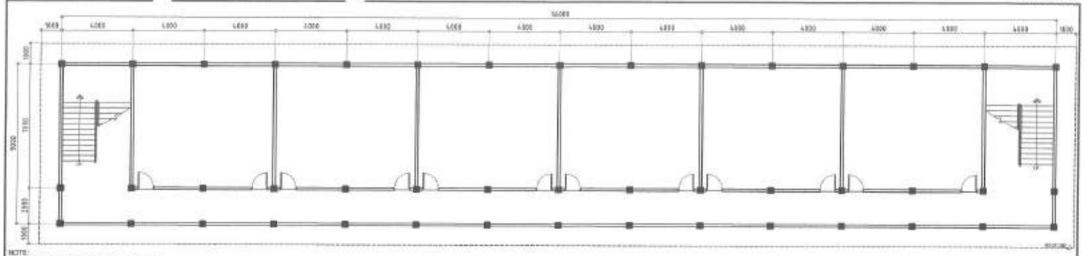
HON, WA, JOSEF WA G. BELMONTE

APPROVED BY

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MESS CONTRACT

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1. WHOLE STRUCTURE TO SE REPAIRTED

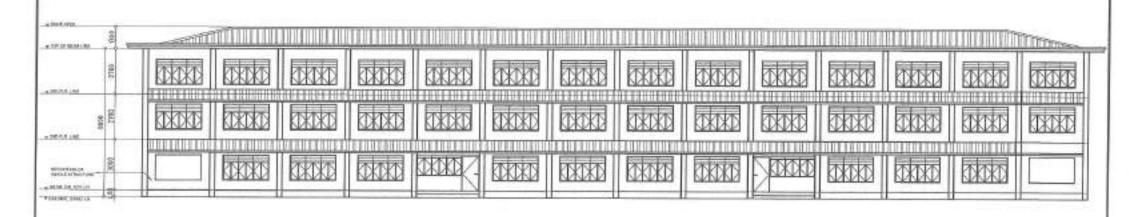
3 APPLICATION OF PLAN CEMENT FINSH ON ALL PLOOPS

GROUND AND RECOND PLOOR SLAB SOFFIT TO BE REPAINTED.
 THIPD PLOOR CIBLING TO BE REPLACED WITH GHIN FIBER.

CEMENT DOARD INCLUDING METAL FRAMING

1 GROUND TO THIRD FLOOR PLAN

SCALE 1:150M



MOSE

5. WHOLE STRUCTURE TO BE REPAINTED.

2 FRONT ELEVATION (RAMOS BUILDING)

SCALE 1:150M



Expedit of the PRESSOR

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KAGAWARAN NG INHENTERA
ICTTY ENTENESSING DESIGNATION

PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA, JOSEFA JARA MARTINEZ

HIGH SCHOOL

LIXATION

SPEY TATALIN DISTRICT 4 QUICKWICTY

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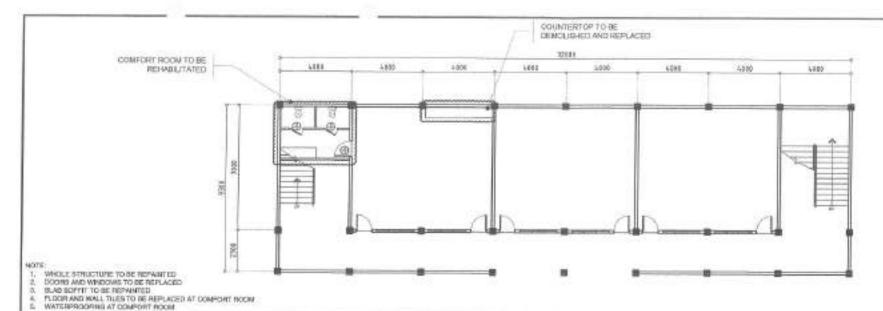
ENGR. FREDIOPHICA DL. DE GUENAN DAY KANNAS GERA DI SUN EMOR HODERT L BELTRANG

RECOMMENDED APPROVISE.

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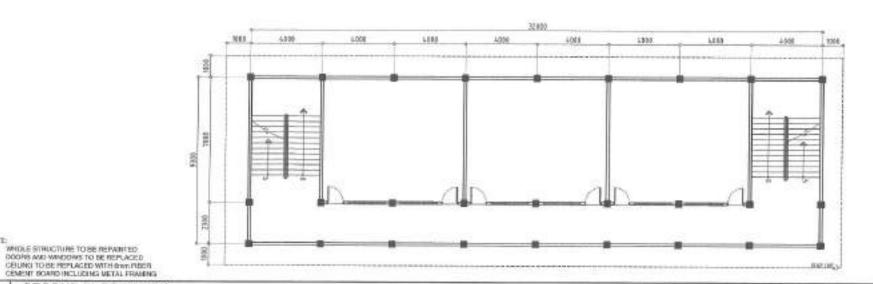
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GROUND FLOOR PLAN (TLE BUILDING)

SCALE 1:150M.



SCHOOL TEST SET

CEMENT BOARD INCLUDING METAL FRAMENG SECOND FLOOR PLAN (TLE BUILDING)

1. WHOLE STRUCTURE TO BE REPAIRTED

SCALE LYSIAN. SHORT FEEL.



NOTE:

Timel is of the Philippine. Quality City KAGAWARAN NG INHINYERA CHY EXERGISED WITH MEMBER! PROVED TIME PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ

HIGH SCHOOL LOCATION: SPAY, TATALISY DISTRICT 4, QUESTING TV

PEGIONDO BY: office COAC DANIES SANCES DEDUKE ME PETRON NO.

ENGR. FREDIEWINDA DL. DE GUZMÁN

EMER ROBERT L SELTRAM

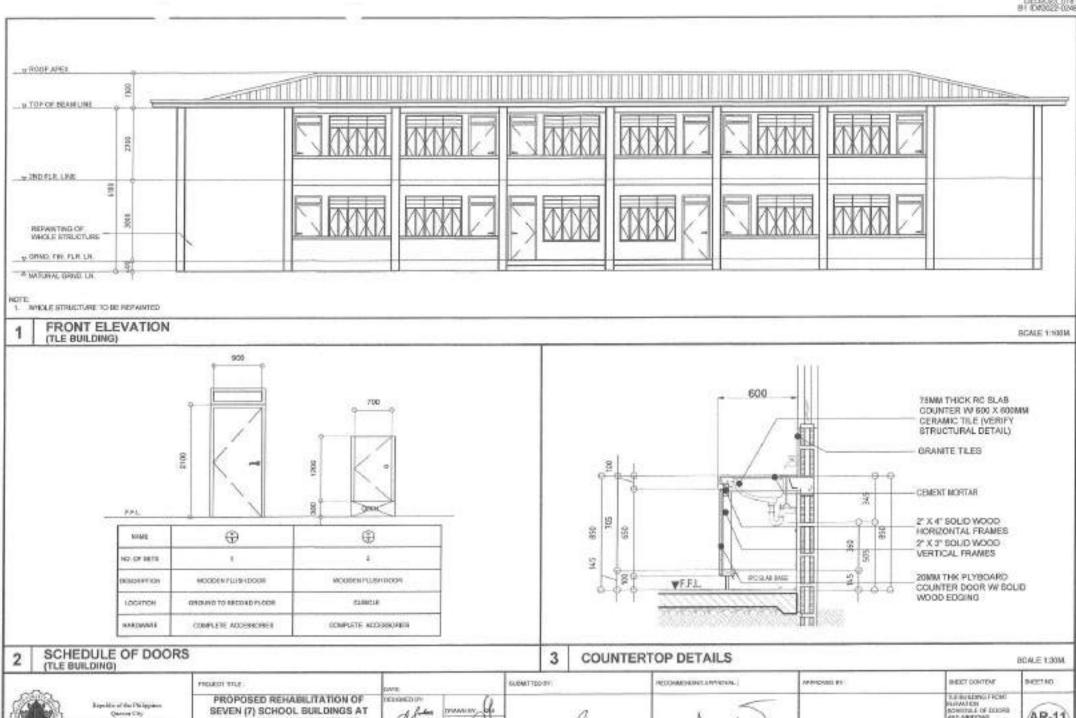
RECOMMENDATE APPROVAL:

HALF RESSE HON, MA, JOSEFINA G. BELMONTE

APPRENED BY

SE BUILDING GHOUND PLOCES PLAN THE BUILDING SECOND AR-10 10 20

MATERIAL DOWNSHIP



KAGAWARAN NG INSIMTERA ACTES TO A CONTRACTOR OF A PURPLE OF THE CONTRACTOR OF THE CONTRAC DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

NAME OF THE PARTY DOGATION PRIVINGNING BROY TATALON DISTRICT 4 QUETON CITY

DECREOTE SON

ENGR. FREDISWINDS DL. DE OLIFIAN

BUGGE ROBERT & BELTRAN

HON, MA, JOSEPHA G. BELMONTE

ON ATTENDOR DETAILS

AR-11 11 20

AL WORKS THE LIST RESIDENCE TO THE UNIT OF THE PROPERTY OF THE OTHER RELATED LANS INDOMESSINGORED THREE TY 3400 2 NJ, WORKS (ENCL. OF BUTOWNED BY A RESISTERED PROFESSIONAL REARING TO THE ACTIVE BUSINESS UNDOOR MICH.) 5. N., WORK SHUL OF COORDINATE WAY THE REPRESTANT HARRISON TO WORK DOWN, CHICARRAS COUNTRY OF NOT WHILE 0000 A WALKESTONEY PERMITS HAVE BE VESTIGET AND TURNES CHEET TO THE DITY. 5. NA, SHAWNED AND OPCORDED CONTRACT, HE CORRECTLY REVENUES OF THE CONTRACTOR WISE INVALID RESIDENCE, HER SPICKARD IF CHECKING HER PLANE. A MULTIPLE OF THE PROPERTY OF 7 SINCE DEMONSO SHULL BE PROVIDED AS MICE SHAPP PROP TO THE EXPELITION. T ISSUE TISK T SBK SIME. 5. ALL WORLD DAVI, DE TEXTID AND COMMISSION OF A PACKAGE ALTHE SPECIFICATION WITH THE REPORT OF ALL TARTEST DAVI. OF PRINCE THAT IS ALL THE Office Many rept (FRESHER) Y TAP TO IL ALL PRISS WID LANDLY WIS DELYTON SHIRLING ACTUAL LAYOUT OF THREE MID RETURNS CHIEFES OF EFFIRE HEQUINED SHALL SE PROPERLY CONCERNAGE EXISTING-12 WOMEN WALLING ALCOHOL TO BE EMISSIONED IN OTRACTURES, WELCOS OTR CONVENT APPROVED. MATER LINE 15. BUT WAR FULLDED CONTROL AND LETTING THAT I WAS THE WINDOW OF THE HIND WAS INCIDENT A PRODUCT OF WITHOUT AND A STATE OF THE WAY. DETWENDENT OF TRADE AND INDUSTRY 12 ML WAS FITTED STATES WAS FITTED WHAT SETTING WHAT SETTING WAS CONDITIONAL OF THE STATES WITHOUT AND ABOUND THE II. BEFORT MENNMERS BALL IN PROPERTY AND REPORTS. THE RESPONSE FOR THE PROPERTY OF THE PROPERTY III. WATERLINE TELL VICTOR DRIVING LIBERTY TWO HIS GATE VALVE THAT HE PRETTY'S OR WINDOWS REPORTED. BUT, WATER METER TO BUT, BY DRIVE BAND, METERS PROPERTY THE WATER LITTLE VICENSIANCE. THE ALL MATERITORISES FOR WASHINGTON THROUGH AND DESCRIPTION. IN INTOMATONIA B.I. ALLEDBROWAND: BOTE BINLIE WARRED TO BE IT HEWERS NO. 17.1 ALGUPES FOR GRATHEY WHILL DOLFORN A TRADLING. 47.4 GOS, WARTS, & SCATTFORD GAILLURE BOX, YARRY, CHURRISTONYO DIR THE ARTHROPED EQUAL. 92 ISBN 03/19 WAS 60 PROVIDED FOR SANNARY VERSION PRESINDED OF VORCENTIA, PPE WAS 18 YEAR OF THE DYST A COMMON 10 4 ALL DRIVINGS HINTLING HAND, DE HUPPLED HITTLINGSOPRING VIDITUATION 1. PLUMENS FIXTURES TO BE REPLACED. 1. PLUMBING PIXTURES TO BE REPLACED THE WATER CONTINUES HER BELL BUILDING TOUT COMMISSION FOUND FRONT SOFTON OUT AT THE REVORT OF WATER CONTINUES ON WITH ESTENDED PRACTICAL MEDICADE COUPLES MARINER CONFLICTOR SERVICIONAL ACCUSACIONA ACCUSACIONA DE VANCO ESTA CONFLICTOR DE LA CON WATER LINE LAYOUT PLUMBING LAYOUT THE LANGERY BIVILL BE VERSOUS CHIEA, VINLY, HURSI HIST-FIGAR DIGISTION PODIET HARRIEWITS WITGON, CHIEA BRADIET CONFLETE WITS STARRESS. SCALE 1:50M BOALE 1:100M (OLD BELMONTE BUILDING) (STAGE-COMFORT ROOM) WINDLINGS THE REPORTS/TY POLISE. BLIME Y BINES IN TROP AND MOLETING WINDSHOP 18.1 HERM, BRAIL DE STREEDERS WALL HAND TANNOUT DEBY, WITH EFFECTE DE BLOS AND STEEVAL R. DES SPEKTER, CONDICATE VALL DEBOT PRODUCT, THAN TOP THEIR COMPLETE OFFICE AND RESPECTANCES AND ADMINISTRATION OF THE PRODUCT OF THE PRODUC THE DESCRIPTION OF PROVIDED OF SELECTION FOR PROVIDING THE RESIDENCE OF THE LAW OF AN EAST STEEL FOR INVOICED AND THE RESIDENCE OF THE PROVIDING THE RESIDENCE OF THE R 8000 MYS. ANTORS IN AMERIC THE ROOM DRIVED BALL OF BRAINED FOR PROJUBLISHING WITH THE WHAT THE PROJUBLE COMMANDES OF THE PROPERTY OF THE EXPANDED NETAL LATE TYPE Control of the Contro HER TOLET MADE HOLDER HOLDER OFFILE CHEEK WILL MEDITED COLOR BHALL MICEOCCUS WITH THE AUGUSTUS FIELD FLOW FILE OF THE FIELD FLOW. T ISBK T Sauce 251 BOAR FOLGER BALL DE VERROUS CHEA VANS, MOURTED COSON SHALL RECONOCE FROM THE ACHAOSIST PERSONS AND RACHES SILIES THE PARCET HAS LIKE MICE OF WARRENGE STREET FREE HAZVY SLITT YOR BYRROW USE. BY ALL ROOM BOTH NEWS ARE SHARED OF PERSONAL RESERVOIRS AND ANY THREE REASON CHAPT. 40 (I) WE CALCH SHALL FACE SHALL BE INDEED FOR A SHALL REPORT LEVER TAPP HEAVY SLICK COSTS WICK TAPP HEAVY COSTS WICK TAPP HEAVY SLICK COSTS WICK TAPP HEAVY SLICK COSTS WICK TAPP HEAVY SLICK TA THE TO EXETEG: **GENERAL NOTES** SCALE NTS. SEMER LINE I. WATER DISTRIBUTION SYSTEM III. FIXTURES AND OTHER LEGEND COLD WATER LINE FD PLOOP DRAW CHIL CHEVUWEE DOLD WATER RISER/CONNECED MD PROOF DISWIN bd av DATE VALVE SHO SHOWER N OV CHICK VALVE WIT. WATER OLDSET LAWATORY LW. II. SEWER/WASTE AND VENT SYSTEM. Unit. CHING. BOIL PIPE / WASTE PIPE SET WE 105 HITCHEN SHIP! VEHT STACK (VEHT PIPE Po PEOVOCO priefs relitimetor FLOOR CLEANOUT / OFFICUND CLEANOUT FIRE DIAMETERS 1. PLUMBING PIXTURES TO BE REPLACED. SEWER LINE LAYOUT PLUMBING LAYOUT LEGENDS AND SYMBOLS BCALE 1:100M. BICALLE T-100M SCALE NTS (TLE BUILDING) (OLD BELMONTE BUILDING) AND SAFER SHIGHT WAY SOUTH APPROVED BY REST CONTENT Description. SUBMITTED TO SCHEWAL HOTTO PROPOSED REHABILITATION OF CODAMIN FO FORMOS AND SPANOUS BLACK COMPOST FROM Exposition of the Philippines SEVEN (7) SCHOOL BUILDINGS AT of John Quadros City PL-01 ALLAMONG LAVOUR KAGAWARAN NG INBINYERA DRA. JOSEFA JARA MARTINEZ OUR BRANCH HALLS LIAN DAVID O, THEM CITY ESTENSESSING BROKETHENT) CHECKED OF PER TURCHAL BAND RITT HIGH SCHOOL 12 20 HOW MA, JOSEFINA G. BELMONTE ENGR. FREDISHMAN DL. DE GUZMAN ENGR. ROBERT D, BELTRAN OUT OF SAME OF THE PARTY OF THE MORNOR SEMEST LINE LAYOUT MCVHOON NO. BROY, TATALON DISTRICT 4, CAT-2DR CITY

GENERAL NOTES FOR THREE-PHASE SYSTEM

- 1. ALL WORKS SHALL BE EXECUTED IN ACCOPDANCE TO THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, PHILIPPINE ELECTRONICS CODE: THE NATIONAL BUILDING CODE OF THE PHILIPPINES AND OTHER RELATED LAWS AND ORDINANCES.
- 2. ALL WORKS SHALL BE SUPERVISED BY A REGISTERE PROFESSIONAL RELATED TO THE ACTIVITIES SEING UNDERTAKEN.
- 3: ALL WORKS SHALL BE COORDINATED WITH THE RESPECTIVE TRIADES SO TO AVOID CONFLICTS DURING EXECUTION OF ACTIVITIES.
- 4. ALL NECESSARY PERMITS SHALL BE SECURED AND TURNED-OVER TO THE CITY.
- A ALL DRAWINGS AND SPECIFICATIONS SHALL BE CORRECTLY REVIEWED BY THE CONTRACTOR AND SHALL IMMEDIATELY BE INFORMED IF DISCREPANCY JEST FOUND.
- 6. ALL DIMENSIONS, ELEVATIONS AND REFERENCES. SHALL BE VERIFIED WITH THE ACTUAL CONDITION PRIOR TO EXECUTION.
- 7. SHOP DRAWINGS SHALL BE PROVIDED AS NECESSARY PRIOR TO THE EXECUTION.
- B: ALL WORKS SHALL BE TESTED AND COMMISSIONED AS INDICATED BY THE SPECIFICATIONS WITH THE PRESENCE OF ALL PARTIES INVOLVE RESULTS SHALL BE DOCUMENTED PROPERLY
- 8. ALL PIPES AND LAYOUT ARE ONLY DIAGRAMMATIC, ACTUAL LAYOUT OF PIPES AND PITTINGS, UNLESS OTHERWISE REQUIRED, SHALL RE PROPERLY CONCEALED.
- 10. NO PIPES SHALL BE ALLOWED TO BE ENGEDDED IN STRUCTURAL MEMBERS, UNLEBS OTHERWISE APPROVED.
- FF. ALL PAPER, PITTINGS, EQUIPMENT AND FOCUSES SHALL BE INSTALLIED IN ACCORDANCE TO MANUFACTURIER'S SPECIFICATIONS, AND INSTRUCTIONS.
- 12. SUPPORTS AND HANGERS SHALL BE PROVIDED ACCORDINGLY.
- 13. ALL EQUIPMENTS AND PRITURES SHALL BE ENVIRONMENTAL PRIENDLY.
- 14: INSTALLATION OF SERVICE ENTRANCE.

14.1. THE TYPE OF SERVICE ENTRANCE SHALL BE THREE-PHASE, THREE-WIRE PLUS GROUND, 80 HERTZ, 200V AC NOMINAL

14.2. THE SERVICE ENTRANCE EQUIPMENT SHALL SE PROPERLY GROUNDED IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE.

14.3. THE MAIN OVERGURRENT PROTECTION DEVICE SHALL BE OF THERMAL MAGNETIC MICCE IN NEMA 3R WEATHERFREICH ENCLOSURE.

11. INSTALLATION OF LIGHTING AND POWER SYSTEM

15.1. ALL LIGHTING AND CONVENIENCE OUTLET CIRCUITS BHALL BE 3.5 SQ. MW. THEN THEN COPPER WIRE UNLESS OTHERWISE NOTED. WINIMUM SIZE OF WIRE SHALL BE 3.5 SO, MM, COPPER WIRE, ALL WIRES AND CABLES SHALL BE COLDS. CODED AS FOLLOWS

PHASE A RED

PHUSE B. - YELLOW

PHASE C - BLUE NEUTRAL - WHITE

GROUND GREEN

19.2: ALL EMBEDDED BRANCH CIRCUITS SHALL BE PVC CONDUITS AND FOR EXPOSED INSTALLATION SHALL BE INC SUPPORTED BY CONDUIT CLAMPS EVERY 700 MEINE TERIS AND/OR CONDUIT HANGER SUPPORTS EVERY 1500 MEINETERS.

15.3. CONDUITS IN NO CASE SHALL NOT BE WORE THAN THE EQUIVALENT OF FOLIR. QUARTIER BENDS IN ANY ONE FUR. ALL CONDUIT BENDS SHALL BE FIELD MADE BY USING HYDRAULIC BENDERS. MINIMUM DENDING RADIUS MUST BE IN ACCORDANCE TO THE CODE REQUIREMENTS.

15.4. ALL POWER OUTLETS AND SWITCHES BHALL BE GROUNDING TYPE WITH PARALLEL SLOTS FOR 230 V.

15.5. PROVIDE BROWND FAULT CURRENT INTERRUPTER CIRCUIT BREAKER FOR LOADS MARKED "SECT ON THE PLAN.

15.8. ALL METALLIC CONDUCTS, SWITCHES, LIGHTING FIXTURES, PANELBOARDS, EQUIPMENTS AND NON-CUPRENT CARRYING METAL PARTS SHALL BE PROPERLY. GROUNDED AND BONDED.

15.7. THE GROUND RESISTANCE SHALL NOT BE MORE THAN 5 OHAS.

15.8. ALL MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES SHALL BE AS POLLOWS:

A. LIGHTING SWITCH

- 1400 MU ABOVE FLOOR FINISH

B. CONVENENCE OUTLET - 300 MM ABOVE PLOCH PINISH

150MW/ABOVE WORKING COUNTERL

C. PANELSOARD AND CASINETS - 1400 MM ABOVE FLOOR FINISH

D. EXITURED E. EVERGENCY LIGHT - 150 NM TOP OF DOOR JAMB 2000 ABOVE FLOOR EMERGENCY

15.1. PULL BOXES SHALL BE WHENEVER NECESSARIYTO FACILITATE WIRE PULLING. EVEN IF THESE ARE NOT INDICATED ON PLANS.

15.2 FOR EACH SPARE BRANCH CIRCUIT IN PANELBOARD, PROVIDE ONE 30MM. DIAMETER EMPTY CONDUIT TERMINATED TO HUMAN OCTAGONA; BOX ABOVE CELLING, XWINDOW BIZE OF PULLBOX BHALL BE 150MW X150MW X 100MM.

10.0), ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE WITH INTERRUPTING: CIAPACITY AS INDICATED IN THE PLANS, PANELBOARDS SHALL BE GALVANIZED. SHEET POWDER COATED GAGE 16 MINIMUM.

15.4. FEEDER AND BRANCH CIRCUIT CONDUCTORS IN CABLE TRAYS SHALL BE GROUPED, BONDED AND TAGGED TO INDICATE CLEARLY THE ELECTRICAL CHARACTERISTICS SUCH AS CIRCUIT NUMBER AND PANEL DESIGNATION.

15.5. REFER TO MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR RATINGS AND LOCATIONS OF EQUIPMENT AS WELL AS THEIR CONTROL SEQUENCES AS SPECIFIED AND OR SHOWN UNDER THEIR RESPECTIVE SECTIONS.

15.6. ALL MATERIALS TO SE USED AND THE EQUIPMENT TO BE INSTALLED SHALL BE OF THE BEST QUALITY, BRAND NEW AS SPECIFIED: IT MUST BE APPROVED. TYPE FOR THE PARTICULAR LOCATION AND PURPOSE INTENDED.

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LEGENDS AND SYMBOLS

2X19W LED TUBE LIGHT, BOX TYPE (SR)

TOFFER TYPE WITH 1X18W LED

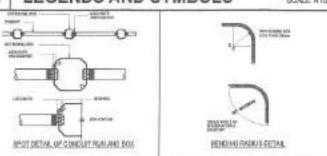
TOFFER TYPE WITH ZXTIW LED

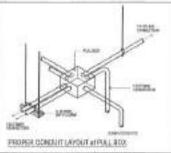
TUBE LICHT

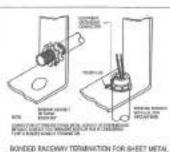
TUBE DIGHT

TXTBW LED TUBE LIGHT, BOX TYPE 6

BOALE NTS.





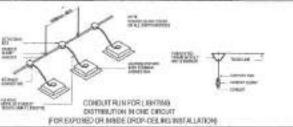


CELLING FAN

ACU CUILET

FAMEL BOARD

CONVENENCE OUTLEY



GENERAL NOTES

Repetition of the Philippian

PERMITT STUD

PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ

LEIGATION BROW TATALONIDIK TRICT 4, QUESTIN CITY NI CERTAIN

semver by CHARLES CHOOS CONTROL OF CONTROL

ENGR. PREDISWINDA DL. DE GUZNAN

DESCRIPTION ORIGINATIONS

SCALE NTS.

ENER ROBERTY, BELTRAN

APPROVED BY

MISCELLANEOUS DETAILS

EMPSAL SORTE EJOOMYG

BOOLANDONE DETAIL

SHEET COMPOSIT

EL-01 13 20

SCALE NTS.

DHTESHI

HIGH SCHOOL

REVERSION NO.

KAGAWARAN NG INHINYERA LTEV ENCINEERING HER METABOTS

HOM. MA. JOSEFTVA G. BELMONTE COLUMNSOR

PANEL: NOP ADMIN BUILDING (TO BE REPLACED)

LACKTON GROWN RUSTR

DAT	LOAD DESCRIPTION	WOLTS:	VOLT	AMPERE	CIRCUIT	SWE DF			
90.	20040 0000000 0004	PULTO	AMPERE	22.5	BREAKER	WHES	COVERTS		
1	TACOLTY BIALDING	28	3/10	30.01	# AT 2F, BRLTON	2-Deed Text RIVE & 14 deed TSV (C) VIRIS	H.ShedPVC		
1	UNITED STURES	28	188	604	35 AF 29: BOLT ON	1-35mm THE WHE A NAME OF THE SE	Nilsed?/E		
1	(DENETOTE)	-281	1804	48	# AT 25, 303 Tols	2-ASSMITTING WITE & F-ESHWITM (CLARE)	Million BP/E		
i.	CONTENENCE USTAUF	- 200	1100	30	#47 F-8027 04	E-Sine Tell MEE & House Tell KINES	NiEsn2Nt		
3	CONTRACTOR DISTANT	700	1616	tei	matran source	1-35mm* (WW NEE 21-25mm* (V.S)) 2005	Manuaryo		
0	BISTIS MICHORDINALAT	200	2500	- 0	B (721,80,704	1-SSWITHWINE LINESHITH SHEET	NOVEMBE		
T	SIZE OF CHARGE STATE	201	298	ti ti	and prisoners	1-12-w*Tex 6/76 1142-w*10-5 (885)	N 10mm 0 PVC		
5	PAL	200	-	-	B (13P, 80, FD)		-		
1	BANE	260	1000	-	39 4137.50,7414	_	-		
	TOTAL	20	20680	66.93					

COMPUTATION:

IT+ [(20680/230 V)+[12×25%)]

IT = 10.91 AMPERES

OVER CURRENT PROTECTION:

USE: 100 AT, 2P

MAIN FREEDER:

USE: 2 - 30 mm² THHM WIRE & 1 - Brim? This GROUND WIRE

\$133mm@ IMC PIPE / 40mm@ PVC PIPE

PANEL: MDF TLE BUILDING (PROPOSED)

DOCTOR OFFICER FLIGHT

CXT	(DAD DESCRIPTION	VOLTS:	VOLT	AWPERE	ORGUIT	201700	
MO:	TOND DESCRIPTION	VUC.10	AMPERE		SPEAGH	WHES	COVERNITS
1	UNITED BY DESCRIPTION OF THE PROPERTY OF THE P	28	909	196-	35 HT3F; 29L7 OB	2-35mm TBH RIPCA (43-m+TV STPRE)	MILLIAN BP/E
1	US/RESOCURE	298	60	146	36 (47.95.103.108	2-15ser 1811 ARC L 12 Sept TV SYMME.	N/Smed P/C
1	(6.9/0m) 65°3/603	296	100	rie:	35 NF 3P 300,7 OB	3-30er TVH HRES & 120er TV (S/VTE)	Waterick PVS
4	304106-001A68	296	88	in:	25.9729,808,7.08	S-Street THRESHOLD SOUR TO COME.	Named PVS
1	CHARGENALL	191	198	in	75.8F3P.86LF08	2-30mm THE RECT LESS OF TWO PARTY.	AmodAt
1	COMBIBME ON FET	DH.	to	1111	20 AT 2P, BOLF OIL	2-30m² 1:00 (RELATED AND TO (1) (REE	Bannaryo
1	Catholishingson	130	168	446	25 AT 37, BOLT DIS	2-35eer Talkingtons (Steer Taxion Re	Ribotitic
1	TOWENESSENEED	10	384	480	WAT P. 803 T 09	2-down treatment labour to copyrine	Billind PC
1	EXERTAGE REPORTED AND THAT	100	2/6	10	XAC27.80(7.04)	2-door horself little (1968)	K/bn/H/C
	246	19.		-	MACABLE N		
	TOTAL		12,200	59.4			

COMPUTATION:

IT = {(12,2807230V]+(12×25%)]

IT = 08.38 AMPERES

OVER CURRENT PROTECTION:

USE : 125 AT, 2P

LISE: 2 - 36mm? THEN WIRE & 1 - 14mm? TW GROUND WIRE

IN 40mm8 IMC PIPE / 50mm8 PVC PIPE

PAN	EL: M	DP	FACUL.	TΥ
Louis Addition	a bushed by	Lac lac.	400	

CKT	LOAD DESCRIPTION	UNI ES	VOLT	AMPERE	CRIDATE	SIZEOF	- 3000000
NO.	COUNT MESURAL SINGE	VOLFS	AMPERE		BUCHEN	MARS	00000015
1	6-1009900 BASET	100	1605	1/0	207109-90708	3-13m/ 14th MISS & Holes/TWX/WPE	REX mod PyE
1	8-DOWNSHIPCE OUTLIE	200	166	63	23/12/30,704	1-Day THEWKER HAM TVXWEE	N Zwed NC
1	389,600	100	m	п	TIAT 25 80,7 01	2-Company of the WAS & Last and JAN CANAGE	William SPACE
	20,00	180	1101	tt.	20.813/2.007.01	3-15ser Trestwick Hosel TriplyIRI	Named No.
1	2995	18	-	-	3M2 88100	_	-
	3895	131	-		35473F,500,TGH		
	TOTAL		8704	38.09			

COMPUTATION:

IT = [[10160/230 V] +(17 x 25%)]

IT = 48.42 AMPERES

OVER CURRENT PROTECTION: LIBE : 60 AT, 2P CB BOLT-ON

MAIN FREEDER:

APPROVED BY:

USE: 2 - 14mm* TH-N WRE & 1 - 8.0mm* TW GROUND WRE

#1 32mm2 PVC PIPE

SCHEDULE OF LOADS

BCALE: NTS DATESHE

NATION TABLE

ROBERT LE LOUGE

Expedit to of the PM Repires KAGAWARAN NG INBINYEHA SCHA EXCONUMENC DELMANATORINA PRIMISOT TITLE :

PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

DOCUMENT. BRIGH, TATALON DISTRICT 4. GUEZONICTY CESARROLLAY

DWMIN.

RUBMITIED BY

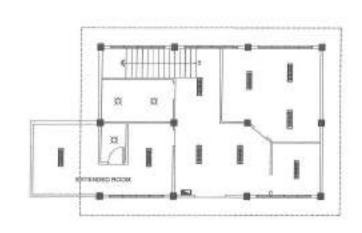
ENGIL FREDRINGSAN DL DE OUZMAN

Muca OF CITE MARRIE PRODUCES

RECORMINDING APPROVAL.

HON, MA. JOSEFINA G. BELMONTE

EL-02 14 20



NOTE: REPLACEMENT OF LIGHTING FEITURES (SUMFACED MOUNTSD)

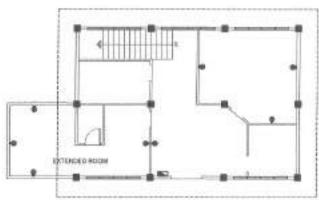
1 GROUND FLOOR LIGHTING LAYOUT (ADMIN BUILDING)

BGALE 1:100M

2 SECOND FLOOR LIGHTING LAYOUT (ADMIN BUILDING)

REPLACEMENT OF LIGHTING FIXTURES

8GALE:1:190M



NOTE: OUTLET TO BE REPLACED

(ADMIN BUILDING)

SCALE 1:100M 4

SECOND FLOOR POWER LAYOUT

RECEMBERENES APPROVAL:

BG4LE 11150W

9400190

SHEET SOMEON!

ADMINISTRAÇÃO

Kapata of to Feligian

Causa Cie

Kagawaran ng inhinyera

City engnering departaents

GROUND FLOOR POWER LAYOUT

PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA, JOSEFA JARA MARTINEZ

HIGH SCHOOL

DOCATION:
RESY TXTNACH DESTRICT & QUESTIN STY

DATE SERBEST OF THE S

ENGR. FREDSWINDA DL. DE GUZÍNAN OHR PLYTOGRA DISSINIONSON

NOTE

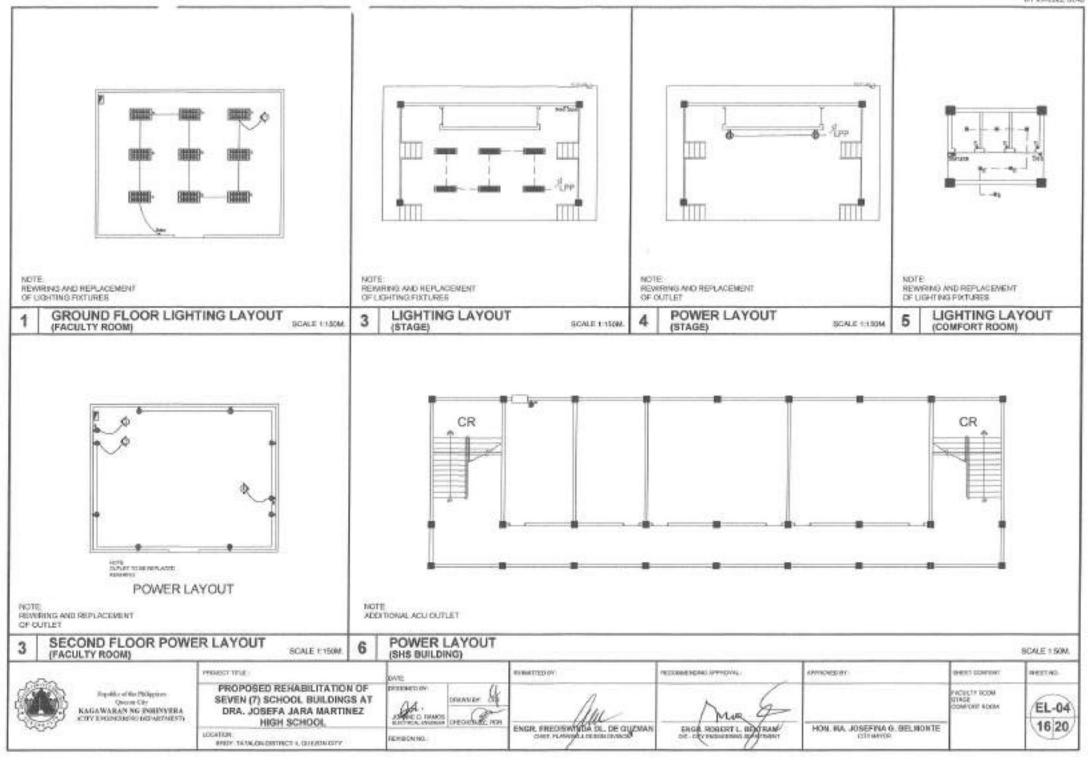
CUILET TO BE REPLACED.

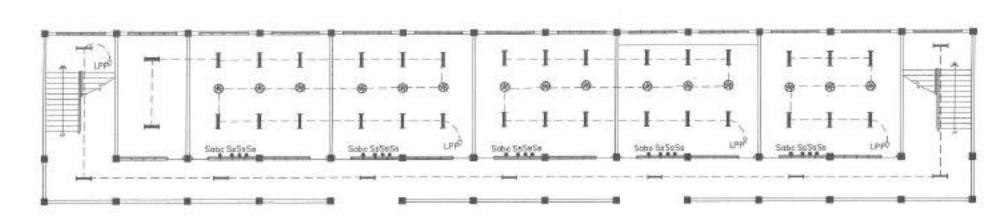
SHOP ROBERT L BELTRAN

HON, BA, JOSEFFIA G, BELWONTE

#8776[WIDDITY

EL-03

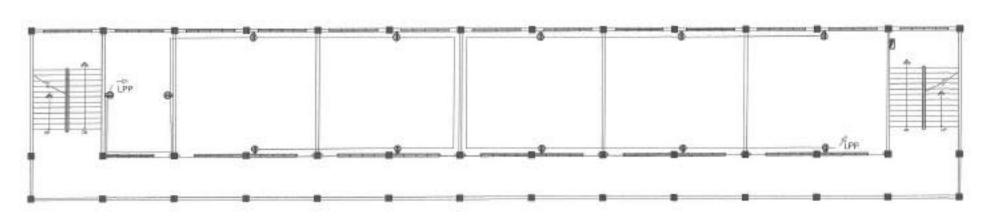




NOTE: REWIND AND REPLACEMENT OF LIGHTING POCTURES

1 GROUND TO THIRD FLOOR TYPICAL LIGHTING LAYOUT (OLD BELMONTE BUILDING)

SCALE 1:150M.



NOTE REWINING AND REPLACEMENT OF OUTLET

2 GROUND TO THIRD FLOOR TYPICAL POWER LAYOUT (OLD BELMONTE BUILDING)

SCALE 1:150M

BRICIAGE.



Signific of the Philippines Quayer City SCAGA WARRAN (NG INHINYERA (CITY ENGINEERING DRY-SETTERT) PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

INSY TWINCH DISTRICT 4, OLESTIN STY

ENTE:

DESCRIPTION OF COMMON OF SELECTION NO.

ENGH, PREDICTIONADA DL. DE GUERNAN DHE PLANTING SCHOOL PROCES

SUBMITTED BY:

ENCOLUMNOS PROPERTIES DE LA LIBRATION DE LA COLUMNOS PROPERTIES PROPERTIES DE LA COLUMNOS PROPER

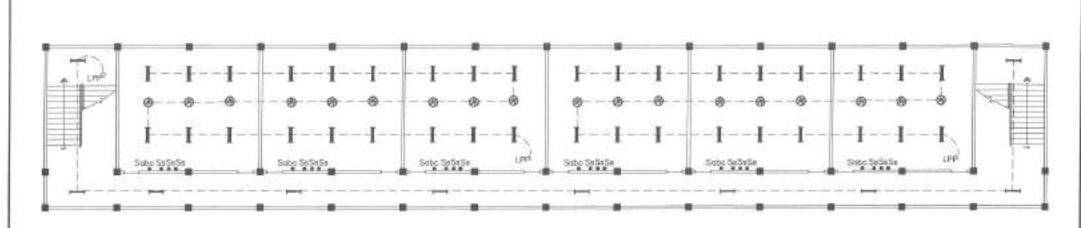
RECEIVABLE HOPE A PRODUCT.

HON, MA, JOSEFINA G, BELVIONTE

APPROVED BY:

EL-05

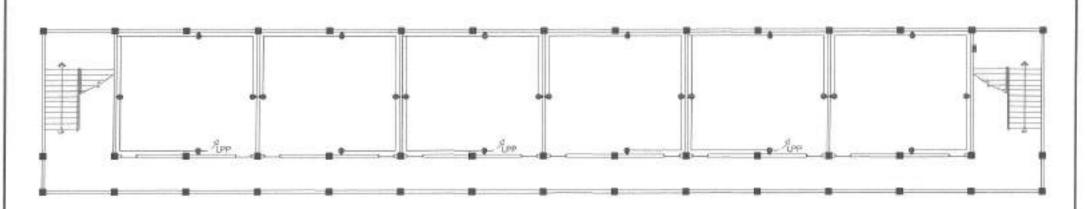
INCIDENTAL STATEMENT



NOTE: REWIRING AND REPLACEMENT. OF LIGHTING FIXTURES.

1 GROUND TO THIRD FLOOR TYPICAL LIGHTING LAYOUT (RAMOS BUILDING)

SCALE 1:150M



REMIRING AND REPLACEMENT OF OUTLET

2 GROUND TO THIRD FLOOR TYPICAL POWER LAYOUT

DESTRUCTION

SCALE 1:150M



Rapidia of Ba Philippine Quotes Cits KAGAWARAN NG INHINYERA OTTY ENGINEERING DEPARTMENTA PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

SERGY TATALON DISTRICT & QUESTON CITY

DATE DESCRIPTION OF SHAREST SHAREST HON

PEYROON NO.

ENGR. FREDERING DL. DE GURPAN

GURNITIED DY

EMOR HOBERT L BKI TRAVI U

RECOGNACIONED APPROVIS.

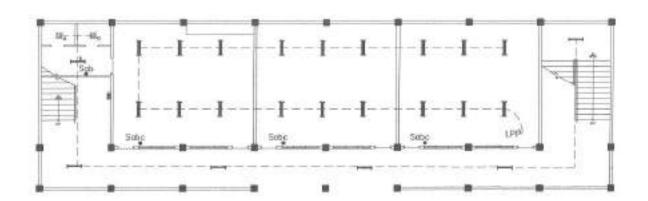
HON, MA, JOSEFINA G, BELMONTE

MYTOVED BY

EL-06 18 20

DIEST CONTRICT

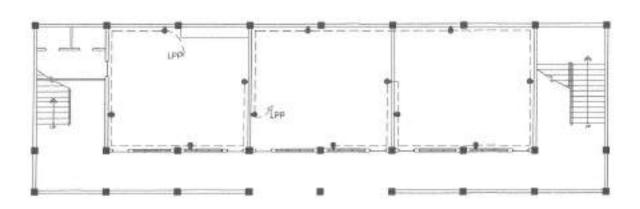
\$ MAKED BUILDING



NOTE: REVIRING AND REPLACEMENT OF LIGHTING FIXTURES

1 GROUND TO SECOND FLOOR TYPICAL LIGHTING LAYOUT (TLE BUILDING)

SCALE 1:190M.



NOTE REMRING AND REPLACEMENT OF OUTLET

2 GROUND TO SECOND FLOOR TYPICAL POWER LAYOUT (TLE BUILDING)

SCALE 1:150M

DH 133H



Equility of the Philippines Queen City KAGAWARAN NG INSENVERA CITY ENERGED SOLVARISHEST) PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

HIGH SCHOOL

LICATER
BRDY, TAPALOR DISTINCT A, CLASTIN CITY

Diffe:	
DESCRIPTION OF THE PERSON OF T	SANNER BY AN
RCVISIGNINO.	

	1
-	(trul
+	ENSR. FREDISTRINGS DL. DE GUENAN
	CHEEF, PLIPMAN & DESIGN DIVISION

SAMMITTER RE-

	92	u.	1
680 64-4	ROBEI CHANG	RT L. A	SELTRAN,

RECOMMENDATION APPROVIL.

HON.	MAL JO	16ER	PAA 1	a.	BELVONTE
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APPROVED BY:

EL-07

SHEET GONTENT

THE DIMEDMO

MECHANICAL WORKS

- ALL WORKS BHALL BE EXECUTED IN ACCORDANCE TO THE PHILIPPINE SOCIETY OF MECHANICAL ENGINEERS CODE. THE NATIONAL BUILDING CODE OF THE PHILIPPINES AND DTHER RELATED LAWS AND ORIGINANCE OF THIS CITY.
- ALL WORKS SHALL BE SUPERVISED BY A REGISTERED PROFESSIONAL RELATED TO THE ACTIVITIES BEIND UNDERTAKEN.
- ALL WORKS SHALL BE COORDINATED WITH THE RESPECTIVE TRADES IN ORDER TO AVOID COMPLICTS DURING EXECUTION OF ACTIVITIES
- ALL NECESSARY PERMITS SHALL BE SECURED AND TURNED-OVER TO THE CITY
- ALL DRAWNOS AND SPECIPICATIONS SHALL BE CORRECTLY REVIEWED BY THE CONTRACTOR AND SHALL IMMEDIATELY RE INFORMED IF DISCREPANCY (BIS) FOUND HIREIN.
- E. ALL DIMENSIONS, ELEVATIONS AND REFERENCES SHALL BE VERNIED WITH THE ACTUAL CONDITION PRIOR TO EXECUTION.
- SHOP DRAWINGS SHALL BE PROVIDED AS NECESSARY PRIOR TO THE EXECUTION
- ALL WORKS SHALL BE TESTED AND COMMISSIONED AS INDICATED IN THE SPECIFICATION WITH THE PRESENCE OF ALL PARTIES INVOLVE. RESULT SHALL BE DOCUMENTED PROPERLY.
- AIR CONDITIONED SPACES SHALL BE MAINTAINED AT JAP C DRY SULB AND 50% RELATIVE HUMIDITY.
- ALL FLOOR SLAS MOUNTED VIRRATING EQUIPMENT SHALL BE PROVIDED WITH VIRRATION ISOLATORS TO PREVENT VIBRATION AND NOISE TRANSMISSION.
- EXHAUST FANS SHALL BE PROVIDED WITH SUITABLE PLEXIBLE CONNECTIONS TO DISCHARGE DUCT.
- 52 ALL POWER WIRING SHALL BE ELECTRICAL, AND TERMINATION TO EQUIPMENT SHALL BE MECHANICAL.
- 13. PROVIDE CONTROL WIRING FOR AIR CONDITIONING
- PROVIDE THE BINDSTAT FOR ALL INDOOR UNITS OR FAN COR UNITS.
- VERIFY LOCATION OF CONTROLLERS AND SWITCHES ON ELECTRICAL PLANS.
- ALL CONDENSATE WATER DRAIN PIPES SHALL RE CONNECTED TO THE NEAREST FLOOR DRAIN, AREA DRAIN OR CATCH BASIN.
- PROVIDE QUIDES, HANGERS AND SUPPLEMENTAL STEEL SUPPORTS FOR ALL PIPINS, DUCTING AND EQUIPMENT.
- PROVIDE PIPE SLEEVES FOR ALL PIPES PASSING THRU III. DING STRUCTURE.
- 19. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE MODER.

1 GENERAL NOTES

SCALE NES



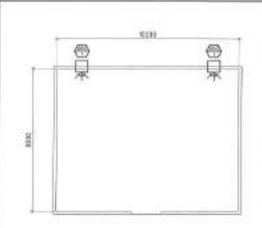
- EQUIPMENT DESIGNATION



- WINDOW TYPE AIR CONDITIONER

WINDOW TYPE ANL CONDITIONER AIR-COOLED CONDENSING UNITS

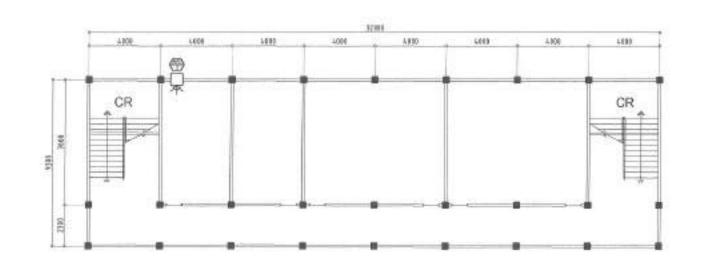
DESIGNATION	LOCATION	occupants.	HP.			B.EC	THESE ST	PPCY	PERMAPOS.	
DEDGE DESKY HOSE	LLCX I KIN	SOCIETY.	RATING.	CAPACITY	(arcanaagnae	WATE	VOLTE	PHASE	HERMI	- FACILITY OF
(MC)	si secure de PLANS	11401	201€	1578	escone	178	231.6	я	603	TEMOVICIENTIVE OBLIE GAY TOCKER ANTIGOTE TER AN MICHARICAL CACHY TRAFFIC
(M)	AS SHOWS DR MAIRS	181	25m	2018	MOS CHA	280	006	10	600	PERCHARLENTALE GREET DASY TO CLOSE ANTENNO A LITER NO MECHANICIA CHICAT TIMER



3 SCHEDULE OF EQUIPMENT

SCALE NTS.

EQUIPMENT LAYOUT



2 LEGENDS AND SYMBOLS SCALE NTS

EQUIPMENT LAYOUT (SENIOR HIGH SCHOOL BUILDING)

SCALE 1:150M



Raddic of the Pail Applied Quarto City BAGACWARIAN NG INTERVEERA (CTEV ENCEMBRION DEPARTMENT) - 3178 (201,089

PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

LICATION HROY, FATALON DISTINCT A QUESTIN DITY

5

DANS
DESIGNED DY

STREET DAY
STREET STREET STREET

CM MESSERBERS

ENGR. FREDINANTIA DL. DE GUENNAN

PO CATTRIBUTE

ENGL HOSERT L. HELTHAR DE JOY ENGLESHING OF HOMEN

PEDENINENDING APPROVAL

HON, MA. JOSEFFNA G. GELMONTE

ARTHOUGH BY

GENERAL NOTES
LEGACION DE PARIOLS
ROMETISMO DE PARIOLS
ROMETISMO DE
RO

DISTRICT CONTINUE

ME-01 20 20

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

- a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

- a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.
- b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

PROJECT TITLE: PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

LOCATION : BARANGAY TATALON, DISTRICT 4, QUEZON CITY

PROJECT NO. : 23 - 00160

DURATION : One Hundred Eighty (180) Calendar Days

BREAKDOWN OF COST

ITEM NO.	DESCRIPTION	ESTIMATED DIRECT	TO	TAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST
II EWI NO.	DESCRIPTION	COST	%	VALUE	VAI	TOTAL INDIRECT COST	TOTAL COST
PART I	OTHER GENERAL REQUIREMENTS						
PART II	REHABILITATION OF ADMIN BUILDING						
PART III	REHABILITATION OF FACULTY ROOM						
PART IV	REHABILITATION OF STAGE AND COMFORT ROOM						
PART V	REHABILITATION OF SENIOR HIGH SCHOOL BUILDING						
PART VI	REHABILITATION OF OLD BELMONTE BUILDING						
PART VII	REHABILITATION OF RAMOS BUILDING						
PART VIII	REHABILITATION OF TLE BUILDING						
	TOTAL						

	TOTAL COST P
LUMP SUM BID IN WORDS :	
Contractor :	

Page 3 of 3 Bid Form

BILL OF QUANTITIES

(Building Construction/Rehabilitation Project)

PROJECT TITLE: PROPOSED REHABILITATION OF SEVEN (7) SCHOOL BUILDINGS AT DRA. JOSEFA JARA MARTINEZ HIGH SCHOOL

LOCATION : BARANGAY TATALON, DISTRICT 4, QUEZON CITY

PROJECT NO. : 23 - 00160

DURATION : One Hundred Eighty (180) Calendar Days

ITEM CODE	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT	MARK-	UP IN %	1	OTAL MARK-UP	VAT	TOTAL INDIRECT	TOTAL COST	UNIT COST
I TEM CODE	DESCRIPTION	QUANTITY	UNII	COST	OCM	PROFIT	%	VALUE	VAI	COST	TOTAL COST	UNII COSI
PART I	OTHER GENERAL REQUIREMENTS											
B.5	Project Billboard / Sign Board	1	ea									
B.7(1)	Occupational Safety and Health	6	mo									
414	Scaffolding	2,074	sq.m.									
	TOTAL OF PART I											
PART II	REHABILITATION OF ADMIN BUILDING											
PART A	SITE WORKS											
801	Removal of Actual Structures / Obstruction	18	cu.m.									
	TOTAL OF PART A											
PART B	CIVIL WORKS, AND FINISHING WORKS											
B.1 Roofing V	Vorks											
1014(1)b2	Prepainted Metal Sheets, above 0.427mm, Rib Type, Long Span	273	sq.m.									
1013(2)a1	Fabricated Metal Roofing Accessory (Ridge/Hip Rolls/Flashings/Counter Flashing/Valley roll)	128	l.m.									
1003(11)a1	Fiber Cement Fascia Board	84	l.m.									
(/	Reflective Insulation	273	sq.m.									
B.2 Finishing	Works											
1003(1)a2	Ceiling, Metal Frame, Fiber Cement Board	268	sq.m.									
D O Deintin u	A/											
B.3 Painting		007										
	Painting Works, Masonry/Concrete	887	sq.m.									
1032(1)b	Painting Works, Wood	268	sq.m.									

ITEM CODE	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT	MARK-	UP IN %	Ī	OTAL MARK-UP	VAT	TOTAL INDIRECT	TOTAL COST	UNIT COST
TIEW CODE	DESCRIPTION	QUANTITI	UNII	COST	OCM	PROFIT	%	VALUE	VAI	COST	TOTAL COST	UNIT COST
B.4 Fabricate	ed Materials											l
1010(2)c	Doors, Wood Panel with Transom	8	sq.m.									
1010(2)a	Doors, Solid Core Flush	10	sq.m.									
1043(1)b	PVC Door with Louver	2	sq.m.									
	TOTAL OF PART B											
PART C	ELECTRICAL WORKS											
1101 (33)	Wires and Wiring Devices	1	l.s.									
1102 (1)	Panelboard with Main & Branch Breakers	1	l.s.									
1103 (1)	Lighting Fixtures and Lamps	1	l.s.									
	TOTAL OF PART C											
	TOTAL OF PART II											
PART III	REHABILITATION OF FACULTY ROOM											
PART A	SITE WORKS											
801	Removal of Actual Structures / Obstruction	6	cu.m.									
	TOTAL OF PART A											l
PART B	CIVIL WORKS, AND FINISHING WORKS											
B.1 Masonry	Works											
1046(2)a1	CHB Non-Load Bearing (Including Reinforcing Steel), 100mm	8	sq.m.									
1027(1)	Cement Plaster Finish, Walls	16	sq.m.									
B.2 Roofing	Works											
1014(1)b2	Prepainted Metal Sheets, above 0.427mm, Rib Type, Long Span	86	sq.m.									
1013(2)a1	Fabricated Metal Roofing Accessory (Ridge/Hip Rolls/Flashings/Counter Flashing/Valley roll)	39	l.m.									
1003(11)a1	Fiber Cement Fascia Board	39	l.m.									
1038(1)	Reflective Insulation	86	sq.m.									
B.3 Finishing	Works											
1003(1)a2	Ceiling, Metal Frame, Fiber Cement Board	86	sq.m.									
B.4 Painting	Works											
1032(1)a	Painting Works, Masonry/Concrete	223	sq.m.									
1032(1)b	Painting Works, Wood	86	sq.m.									
	TOTAL OF PART B											

PART C FINAL PART N FOR THE NUMBER OF THE	ITEM CODE	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT	MARK-	UP IN %	Т	OTAL MARK-UP	VAT	TOTAL INDIRECT	TOTAL COST	UNIT COST
110(10) Conduits Bows & Fillings	TIEM CODE	DESCRIPTION	QUANTITY	UNII	COST	OCM	PROFIT	%	VALUE	VAI	COST	TOTAL COST	UNII COSI
1101 (3) Wes and Wirring Devices 1	PART C	ELECTRICAL WORKS											
103(1) Light Man & Stanch Breakers 1 Ls			1	l.s.									
1			1	l.s.									
PART D MECHANICAL WORKS			1	_									
PART D McCHANICAL WORKS	1103 (1)		1	l.s.									
1200 (13) a Allocondinating (Window Type) 1 Ls													
TOTAL OF PART II													
TOTAL OF PART III REHABILITATION OF STAGE AND COMFORT ROOM Removal of Actual Structures / Distruction 3	1200 (13) a		1	l.s.									
PART IV REHABILITATION OF STAGE AND COMFORT ROOM SITE WORKS		TOTAL OF PART D											
PART A SITE WORKS SITE WO		TOTAL OF PART III											
Removal of Actual Structures / Obstruction 3 Cu.m.	PART IV												
TOTAL OF PART A	PART A	SITE WORKS											
PART B CIVIL WORKS, AND FINISHING WORKS B.1 Masonry Works S.1 Masonry Works S.2 Masonry Works S.3 Masonry Works S.4 Masonry Works S.4 Masonry Works S.5 Masonry Concrete S.5 Masonry Con	801	Removal of Actual Structures / Obstruction	3	cu.m.									
B.1 Masonry Works		TOTAL OF PART A											
1016(1)b Waterprofing, Liquid 16 sq.m.													
1016(1)b Waterprofing, Liquid 16 sq.m.	B.1 Masonry	Works											
B.2 Finishing Works Colling, Metal Frame, Fiber Cement Board 105 sq.m.			16	sq.m.									
1003(1)a2 Ceiling, Metal Frame, Fiber Cement Board 105 sq.m.	1021(3)a	Floor Topping, Plain	10	sq.m.									
1018(2) Unglazed Tiles	B.2 Finishing	Works											
B.3 Painting Works			105	sq.m.									
1032(1)a Painting Works, Masonry/Concrete 89 sq.m.	1018(2)	Unglazed Tiles	10	sq.m.									
1032(1)b	B.3 Painting	Works											
B.4 Fabricated Materials	1032(1)a	Painting Works, Masonry/Concrete	89	sq.m.									
1010(2)a Doors, Solid Core Flush 4 sq.m.	1032(1)b	Painting Works, Wood	105	sq.m.									
1043(1)b	B.4 Fabricate	d Materials										_	
1012(5) Steel Casement Window, 6mm Tempered Glass 1	1010(2)a	Doors, Solid Core Flush	4	sq.m.									
TOTAL OF PART B	1043(1)b		6	sq.m.									
PART C PLUMBING/SANITARY WORKS 1 I.s. 5 1001 (8) Sewer Line Works 1 I.s. 1 I.s. 1 I.s. 1 I.s. 1 I.s. I.s. <td>1012(5)</td> <td>Steel Casement Window, 6mm Tempered Glass</td> <td>1</td> <td>sq.m.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1012(5)	Steel Casement Window, 6mm Tempered Glass	1	sq.m.									
1001 (8) Sewer Line Works 1 I.s. 1001 (17) Sanitary Fixtures 1 I.s. 1002 (4) Plumbing Fixtures 1 I.s. 1002 (24) Cold Water Line 1 I.s. 1201 (12) Valve and Pipe Fittings 1 I.s.		TOTAL OF PART B											
1001 (17) Sanitary Fixtures 1 L.s.	PART C	PLUMBING/SANITARY WORKS											
1002 (4) Plumbing Fixtures 1 I.s. 1002 (24) Cold Water Line 1 I.s. 1201 (12) Valve and Pipe Fittings 1 I.s.	1001 (8)	Sewer Line Works	1	l.s.									
1002 (24) Cold Water Line 1 I.s. 1201 (12) Valve and Pipe Fittings 1 I.s.	1001 (17)	Sanitary Fixtures	1	l.s.									
1201 (12) Valve and Pipe Fittings 1 I.s.	1002 (4)	Plumbing Fixtures	1	l.s.									
	1002 (24)	Cold Water Line	1	l.s.									
	1201 (12)	Valve and Pipe Fittings	1	l.s.									
TOTAL OF PART C	. ,	TOTAL OF PART C											

				ESTIMATED DIRECT	MARK-	UP IN %	T	OTAL MARK-UP		TOTAL INDIRECT	TOTAL 000T	
ITEM CODE	DESCRIPTION	QUANTITY	UNIT	COST	OCM	PROFIT	%	VALUE	VAT	COST	TOTAL COST	UNIT COST
PART D	ELECTRICAL WORKS											
1100 (10)	Conduits, Boxes & Fittings	1	l.s.									
	Wires and Wiring Devices	1	l.s.									
1102 (1)	Panelboard with Main & Branch Breakers	1	l.s.									
1103 (1)	Lighting Fixtures and Lamps	1	l.s.									
	TOTAL OF PART D											
	TOTAL OF PART IV											
PART V	REHABILITATION OF SENIOR HIGH SCHOOL BUILDING											
PART A	SITE WORKS											
801	Removal of Actual Structures / Obstruction	2	cu.m.									
	TOTAL OF PART A											
PART B	CIVIL WORKS, AND FINISHING WORKS											
B.1 Masonry	Works											
1021(3)	Concrete Epoxy	30	sq.m.									
B.2 Finishing	Works											
1003(2)b1	Wall, 6mm, Metal Frame, Fiber Cement Board	20	sq.m.									
B.3 Painting	Works											
1032(1)a	Painting Works, Masonry/Concrete	2,575	sq.m.									
	TOTAL OF PART B											
PART C	ELECTRICAL WORKS											
1101 (33)	Wires and Wiring Devices	1	l.s.									
	TOTAL OF PART C											1
PART D	MECHANICAL WORKS											
1200 (13) a	Airconditioning (Window Type)	1	l.s.									
	TOTAL OF PART D											
	TOTAL OF PART V											
	REHABILITATION OF OLD BELMONTE											
PART VI	BUILDING											
PART A	SITE WORKS											
801	Removal of Actual Structures / Obstruction	5	cu.m.									
	TOTAL OF PART A											
PART B	CIVIL WORKS, AND FINISHING WORKS											
B.1 Finishing												
1003(1)a2	Ceiling, Metal Frame, Fiber Cement Board	647	sq.m.									
B.2 Painting												
	Painting Works, Masonry/Concrete	4,207	sq.m.									
1032(1)b	Painting Works, Wood	647	sq.m.									

ITEM CODE B.3 Fabricate	DESCRIPTION	QUANTITY	DESCRIPTION QUANTITY UNIT ESTIMATED DIRECT MARK-UP IN % TOTAL MARK-UP				TOTAL INDIRECT		LINIT COST			
			UNII	COST	ОСМ	PROFIT	%	VALUE	VAT	COST	TOTAL COST	UNIT COST
	d Materials											
1004(2)	Countertop with Ceramic Tiles	9	l.m.									
	TOTAL OF PART B											
PART C	PLUMBING/SANITARY WORKS											
1001 (8)	Sewer Line Works	1	l.s.									
1001 (17)	Sanitary Fixtures	1	l.s.									
1002 (4)	Plumbing Fixtures	1	l.s.									
1002 (24)	Cold Water Line	1	l.s.									
1201 (12)	Valve and Pipe Fittings	1	l.s.									
	TOTAL OF PART C											
PART D	ELECTRICAL WORKS											
1100 (10)	Conduits, Boxes & Fittings	1	l.s.									
1101 (33)	Wires and Wiring Devices	1	l.s.									
1103 (1)	Lighting Fixtures and Lamps	1	l.s.									
	TOTAL OF PART D											
	TOTAL OF PART VI											
PART VII	REHABILITATION OF RAMOS BUILDING											
PART A	SITE WORKS											
801	Removal of Actual Structures / Obstruction	80	cu.m.									
	TOTAL OF PART A											
PART B	CIVIL WORKS, AND FINISHING WORKS											
B.1 Masonry												
	Floor Topping, Plain	1,588	sq.m.									
	Cement Floor Finish	1,588	sq.m.									
B.2 Finishing												
1003(1)a2	Ceiling, Metal Frame, Fiber Cement Board	670	sq.m.									
B.3 Painting \												
1032(1)a	Painting Works, Masonry/Concrete	4,480	sq.m.									
1032(1)b	Painting Works, Wood	670	sq.m.									
	TOTAL OF PART B		-		·							
PART C	ELECTRICAL WORKS											
	Conduits, Boxes & Fittings	1	l.s.									
1101 (33)	Wires and Wiring Devices	1	l.s.									
1103 (1)	Lighting Fixtures and Lamps	1	l.s.									
	TOTAL OF PART C											
	TOTAL OF PART VII											

ITEM CODE	DESCRIPTION	QUANTITY	UNIT	ESTIMATED DIRECT	MARK-	UP IN %	Т	OTAL MARK-UP	VAT	TOTAL INDIRECT	TOTAL COST	UNIT COST
TIEM CODE	DESCRIPTION	QUANTITY	UNII	COST	OCM	PROFIT	%	VALUE	VAI	COST	TOTAL COST	UNII COST
PART VIII	REHABILITATION OF TLE BUILDING											
PART A	SITE WORKS											
801	Removal of Actual Structures / Obstruction	12	cu.m.									
	TOTAL OF PART A											
PART B	CIVIL WORKS, AND FINISHING WORKS											
B.1 Masonry	Works											
1016(1)b	Waterproofing, Liquid	10	sq.m.									
	Floor Topping, Plain	6	sq.m.									
B.2 Finishing												
	Ceiling, Metal Frame, Fiber Cement Board	404	sq.m.									
(. /	Glazed Tiles and Trims	18	sq.m.									
1018(2)	Unglazed Tiles	6	sq.m.									
B.3 Painting												
	Painting Works, Masonry/Concrete	1,313	sq.m.									
1032(1)b	Painting Works, Wood	404	sq.m.									
B.4 Fabricate												
1004(2)	Countertop with Ceramic Tiles	5	l.m.									
	TOTAL OF PART B											
PART C	PLUMBING WORKS											
1001 (8)	Sewer Line Works	1	l.s.									
1001 (17)	Sanitary Fixtures	1	l.s.									
1002 (4)	Plumbing Fixtures	1	l.s.									
1002 (24)	Cold Water Line	1	l.s.									
1201 (12)	Valve and Pipe Fittings	1	l.s.									
	TOTAL OF PART C											
PART D	ELECTRICAL WORKS											
	Conduits, Boxes & Fittings	1	l.s.									
	Wires and Wiring Devices	1	l.s.									
1102 (1)	Panelboard with Main & Branch Breakers	1	l.s.									
1103 (1)	Lighting Fixtures and Lamps	1	l.s.									
	TOTAL OF PART D											
	TOTAL OF PART VIII											
	GRAND TOTAL								·			

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

<u>Leg</u>	al Do	<u>cuments</u>
	(a)	Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
	(b)	and 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;
	(c)	and 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; and
	(e)	Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).
Tec	hnica	l Documents
	(f)	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 (please see attached prescribed forms required by the QC – BAC for Infrastructure
	(g)	and Consultancy); <u>and</u> Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules with an attached Notice of Award, Notice to Proceed, Contract and Certificate of Acceptance (please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy); <u>and</u>
	(h)	Philippine Contractors Accreditation Board (PCAB) License;
	(i)	or Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
	(j)	or Original copy of Notarized Bid Securing Declaration; and Project Requirements, which shall include the following: a. Organizational chart for the contract to be bid;
		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 (please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy);
		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 (please see attached prescribed form required by the QC - BAC for Infrastructure and Consultancy); and Original duly signed Omnibus Sworn Statement (OSS); 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. Additional Technical Requirements: Certificate of Site Inspection or Affidavit of Site Inspection as part of **Omnibus Sworn Statement** • Affidavit of Undertaking for Key Personnel and Equipment (please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy) ■ • Equipment Utilization Schedule ■ • Manpower Schedule Construction Schedule and S-Curve \square • PERT-CMP □ • Construction Methods Financial Documents 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; and The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) (please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy). Class "B" Documents 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; 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

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Other documentary requirements under RA No. 9184

- Original of duly signed Bid Prices in the Bill of Quantities; and П (p)
- (q) Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and equipmen rentals used in coming up with the Bid; and
- Cash Flow by Quarter. (r)

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM	
Date : Project Identification No. :	

To: [name and address of Procuring Entity]

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:

- 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:
- 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;
- 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;
- 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
- We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

currently based on GPPB Resolution No. 09-2020

- 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 [Name of the Procuring Entity].
- 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:	

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

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:

- 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.
- I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - 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
 - 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]

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

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. [Select one, delete the other:]

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

[If a sole proprietorship:] 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 [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] 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 [Name of the Procuring Entity], 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. [Select one, delete the rest:]

[If a sole proprietorship:] 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;

[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;

- 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;
 - 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.
- 11. We pledge that the project will be completed in accordance and congruency with the approved plans and programs.

N 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]

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:

- 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.
- 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);
 - Drawings/Plans:
 - ii. Specifications;
 - iii. Bill of Quantities:
 - iv. General and Special Conditions of Contract;
 - v. Supplemental or Bid Bulletins, if any;
 - 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. <u>Winning bidder agrees that</u> 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.
- 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]

NAME OF CONTRACTOR:	

PROJECT TIFLE	te			CONTRACTOR'S ROLE (SOLE CONTRACTOR, SUBCONTRACTOR,	AL DATE OF	TOTAL	PERCENTAGE				
[Name of the Centract] DATE OF CONTRACT PROJECT OWNER & NATURE OF WORK E EXACT PROJECT LOCATION CONTRACT DURATION POSTAL ADDRESS NATURE OF WORK	INTEREST IN A 3/) and PERCENTAGE OF PARTICIPATION	CONTRACT VALUE AT AWARD	COMPLETION or ESTIMATED COMPLETION TIME	VALUE AT COMPLETION IF APPLICABLE	ACTUAL ACCOMPUSHMENT	PLANNED ACCOMPUSHMENT	VALUE OF OUTSTANDIN WORKS (IN PHP)				
									TOTAL AMOUNT OUTSTANDING V		

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

Page of

NAME OF CONTRACTOR: PROJECT TITLE: _____ ROLE OF BIDDER IN THE MAJOR SCOPE OF WORKS & DATE CONTRACT PRICE CONTRACT SOLE NAME AND ADDRESS DATE OF SCHEDULED PROJECT TITLE & EXACT LOCATION STARTED OF PROJECT OWNER (PHP) AS AWARDED CONTRACTOR / SUB-COMPLETION CONTRACTOR/PARTNER IN A TOTAL AMOUNT

OF CONTRACT (Php)

LIST OF ALL AWARDED BUT NOT YET STARTED GOVERNMENT AND PRIVATE CONTRACTS OF THE BIDDER

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

Page___of___

NAME OF CONTRACTOR: PROJECT TITLE:

PROJECT TITLE (Name of the Contract) & EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	CONTRACTOR'S ROLE SOLE CONTRACTOR, SURCONTRACTOR, PARTHNER IN A JVJ and PERCENTAGE OF PARTICIPATION	TOTAL CONTRACT VALUE AT AWARD	DATE OF COMPLETION OF ESTIMATED COMPLETION TIME	TOTAL CONTRACT VALUE AT COMPLETION IF APPLICABLE

	4	
Page	4.04	
- W. B. W.		

LIST OF MAJOR EQUIPMENT TO BE USED FOR THE PROJECT

NAME OF CONTRACTOR:		
DDOISCT TITLE		
PROJECT TITLE:		

ТҮРЕ	DESCRIPTION / CAPACITY	SERIAL NO.	YEAR ACQUIRED	PRESENT LOCATION (SPECIFIC ADDRESS)	STATUS OF AVAILABILITY (OWNED/LEASED)

Page		
1 age	OI.	

A. LIST OF KEY CONSTRUCTION PERSONNEL TO BE ASSIGNED TO THE PROJECT

NAME OF CONTRACTOR:			
PROJECT TITLE:			

NAME	POSITION	AGE	EDUCATIONAL ATTAINMENT	TYPE OF CONSTRUCTION EXPERIENCE	NO.OF YEARS WITH THE CONTRACTOR	PROFESSION	PRC NO.

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F HELD	474	

COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY (NFCC)

NAME OF BIDDER:				
	CURRENT ASSETS*		PHP	
	(LESS) CURRENT LIABILITIES*	(LESS)	PHP	
	NETWORTH		PHP	
	NETWORTH x 15	x 15	PHP	
	(LESS) VALUE OF ALL OUTSTANDING ON-GOING CONTRACTS**	(LESS)	PHP	
	(LESS) VALUE OF ALL AWARDED BUT NOT YET STARTED CONTRACTS AS OF DATE**	(LESS)	PHP	
	NET FINANCIAL CONTRACTING CAPACITY		РНР	

NOTES:

- CURRENT ASSETS AND LIABILITIES BASED ON AUDITED FINANCIAL STATEMENT FOR THE PRECEDING CALENDAR YEAR SUBMITTED TO B.I.R.
- ** BASED ON LIST OF ON-GOING AND AWRDED BUT NOT YEY STARTED CONTRACTS SUBMITTED

KELU) S. S.		
	AFFIDAVIT OF UNDERTAKING		
REPR	I, of legal age, Filipino,	[OFFICER	OF
with o	office address at g been duly sworn to in accordance with law, hereby voluntary depose and stat		afte
having	g been duly sworn to in accordance with law, hereby voluntary depose and stat	te:	
	That I am duly authorized representative of the <u>IName of Bidder</u> undertaking as evidenced by Secretary's Certificate and Board Resolution.	to execute	this
	That [Name of Bidder] bidding for the (Name of Project)		
	That relative to the aforementioned Project, the <u>[Name of Bidder]</u> here that the equipment to be use and the key personnel to be assign shall exclusive will only perform to the said project until its completion.	by undertake rely be used a	and
	That I am executing this affidavit to attest to the truth of the foregoing and in with the submission of the technical requirements for the public bidding of the	compliance se said projec	t.
of	IN WITNESS HEREOF, I have hereunto signed my name below thi	s	day
	AFFIANT FURTHER SAYETH NAUGHT.		
	Affiant		
	SUBSCRIBED AND SWORN TO BEFORE ME this day of		_
affiant		issued	at
Doc. No	0. ;		
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Notary Public

