

PHILIPPINE BIDDING DOCUMENTS



**Name of Project/Location : Construction of Two
(2) Storey Multi-Purpose Building with
Covered Court at E. Santos St., Brgy.
Palatiw, Pasig City**

Approved Budget for the Contract: P 49,635,629.01

Government of the Republic of the Philippines

**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.

TABLE OF CONTENTS

Glossary of Terms, Abbreviations, and Acronyms	5
Section I. Invitation to Bid.....	8
Section II. Instructions to Bidders.....	10
1. Scope of Bid.....	10
2. Funding Information.....	10
3. Bidding Requirements	10
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices.....	10
5. Eligible Bidders	11
6. Origin of Associated Goods.....	11
7. Subcontracts.....	11
8. Pre-Bid Conference.....	11
9. Clarification and Amendment of Bidding Documents	12
10. Documents Comprising the Bid: Eligibility and Technical Components.....	12
11. Documents Comprising the Bid: Financial Component.....	12
12. Alternative Bids.....	13
13. Bid Prices.....	13
14. Bid and Payment Currencies.....	13
15. Bid Security	13
16. Sealing and Marking of Bids	13
17. Deadline for Submission of Bids.....	14
18. Opening and Preliminary Examination of Bids.....	14
19. Detailed Evaluation and Comparison of Bids.....	14
20. Post Qualification.....	14
21. Signing of the Contract.....	15
Section III. Bid Data Sheet	16
Section IV. General Conditions of Contract.....	22
1. Scope of Contract.....	22
2. Sectional Completion of Works.....	22
3. Possession of Site.....	22
4. The Contractor's Obligations.....	22
5. Performance Security.....	23
6. Site Investigation Reports.....	23

7.	Warranty	23
8.	Liability of the Contractor	23
9.	Termination for Other Causes.....	23
10.	Dayworks	24
11.	Program of Work	24
12.	Instructions, Inspections and Audits	24
13.	Advance Payment	24
14.	Progress Payments	24
15.	Operating and Maintenance Manuals	25
Section V. Special Conditions of Contract.....		26
Section VI. Specifications.....		27
Section VII. Drawings		28
Section VIII. Bill of Quantities		29
Section IX. Checklist of Technical and Financial Documents		30

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

Invitation to Bid for Construction of Two (2) Storey Multi-Purpose Building with Covered Court at E. Santos St., Brgy. Palatiw, Pasig City.

1. The City Government of Pasig, through the Annual or Supplemental Budget, as approved by the Sanggunian intends to apply the sum of **PHP 49,635,629.01** being the Approved Budget for the Contract (ABC) to payments under the contract Construction of Two (2) Storey Multi-Purpose Building with Covered Court at E. Santos St., Brgy. Palatiw, Pasig City. Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening.
2. The City Government of Pasig now invites bids for the above Procurement Project. Completion of the Works is required **360 calendar days**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “pass/fail” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from City Government of Pasig and inspect the Bidding Documents at the address given below from 8:00 A.M. to 5:00 P.M. office hours.
5. A complete set of Bidding Documents may be acquired by interested bidders on **July 17, 2023** from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of PHP 25,000.00.* The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person.
6. The City Government of Pasig will hold a Pre-Bid Conference¹ on **July 24, 2023, 1:30 P.M.**, at **7th Floor Meeting Room, Pasig City Hall** which shall be open to prospective bidders.
7. Bids must be duly received by the Procurement Management Office (BAC Secretariat Office) through manual submission at the office address as indicated below, **on or before 9:30 A.M. of August 7, 2023.** Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 16.
9. Bid opening shall be on **August 7, 2023 at 10:00 A.M.** at the given address below **7th Floor Meeting Room, Pasig City Hall.** Bids will be opened in the presence of the bidders’ representatives who choose to attend the activity.

10. The address for submission of bids is at the Procurement Management Office (BAC Secretariat Office), 4th Floor Pasig City Hall Caruncho Avenue, San Nicolas Pasig City. The deadline for submission of bids is on or before 9:30 A.M. of August 7, 2023.

Each Bidder shall submit ONE (1) SEALED MOTHER ENVELOPE containing:

1. ORIGINAL (SEALED AND LABELED)

- 1.1. Hard Copy Original Technical Components and
1.2. Hard Copy Original Financial Components and
1.3 One (1) **USB Flash Drive** containing scanned P.D.F. Documents of the Original Technical Components and Original Financial Components.

2. COPY 1 (SEALED AND LABELED)

- 2.1. One (1) **USB Flash Drive** or **CD** sealed and labeled as “**COPY 1**” containing scanned P.D.F Documents of Technical and Financial Components.
11. The **City Government of Pasig** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

ATTY. PONCE MIGUEL D. LOPEZ
Officer in Charge, Procurement Management Office
CITY GOVERNMENT OF PASIG
Procurement Management Office, 4th Floor, Pasig City Hall,
Caruncho Ave., San Nicolas Pasig City
bidsandawards@pasigcity.gov.ph
8643-1111 loc. 1461

13. You may visit the following websites:

PS-Philgeps Website
Pasig City Website

July 17, 2023

ATTY. JOSEPHINE C. LATI-BAGAOISAN
BAC Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, City Government of Pasig invites Bids for the Construction of Two (2) Storey Multi-Purpose Building with Covered Court at E. Santos St., Brgy. Palatiw, Pasig City, with Project Identification Number PB-08-07-2023-02.

[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 CY 2023 in the amount of PHP 49,635,629.01.

2.2. The source of funding is:

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 Procuring Entity has prescribed that:
 - a. Subcontracting is not allowed.
- 7.2. 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 as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

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

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.

- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

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

13. Bid Prices

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

14. Bid and Payment Currencies

14.1. Bid prices may be quoted in the local currency or 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 shall be valid until **120 calendar days**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

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

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

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

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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

INSTRUCTION TO BIDDERS

PROJECT : Construction of Two (2) Storey Multi-Purpose Building with Covered Court
at E. Santos St., Brgy. Palatiw, Pasig City

Date : July 17, 2023

This shall form an integral part of the Bid Documents.

1. Bidders are requested to organize and submit their bids on the following requirements:

1. Submit First (1st) Envelope containing one (1) hardcopy of the ORIGINAL Technical Component, including the Eligibility Requirements. 1st Envelope shall be sealed and labeled as "ORIGINAL TECHNICAL COMPONENT".

2. Submit Second (2nd) Envelope containing one (1) hard copy of the ORIGINAL Financial Component. 2nd Envelope shall be sealed and labeled as "ORIGINAL FINANCIAL COMPONENT".

3. Submit USB Flash Drive containing one (1) soft/scanned copy of the ORIGINAL Technical Component and Financial Component;

Note: The 1st Envelope, 2nd Envelope and the USB flash drive containing the soft/scanned copy of the original technical and financial components shall be enclosed in a single envelope, sealed and labeled as "ORIGINAL BID".

4. Submit USB Flash Drive containing one (1) soft/scanned copy of the Technical Component and Financial Component. USB flash drive shall be enclosed in a separate envelope, sealed and labeled as "COPY1".

5. The "ORIGINAL BID" and "COPY 1" envelopes shall be enclosed in a single MOTHER ENVELOPE sealed and properly labeled.

*Sections of the bid shall be separated by dividers, proper tabs;

*NO scratch papers.

All envelopes (1st Envelope, 2nd Envelope, Original Bid Envelope, Copy 1 Envelope and Mother Envelope) shall be labeled as follows:

- Addressed to the procuring entity's BAC Chairperson
 - Name of the project/contract to be bid
 - Name, address and contact details of the bidder
 - "DO NOT OPEN BEFORE <bid opening date and time>"
- ✓ Unsealed or unmarked bid envelopes shall be rejected. However, bid envelopes that are not properly sealed and marked, as required in the bidding documents, shall be accepted, provided that the bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The Procuring Entity shall not be responsible for misplaced Bidding Documents and premature opening.

BIDDING DOCUMENTS AVAILABILITY AND FEE

- Bidding Documents:
 - July 17, 2023 to August 7, 2023 until 9:30 A.M.
 - 8:00 am to 5:00 pm and upon payment of applicable fees for the Bidding Documents at the City Treasurer's Office.
- Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.
- Standard rates for bidding documents

Approved Budget for the Contract	Maximum Cost of Bidding Documents
500,000 and below	P500.00
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

INSTRUCTION TO BIDDERS ON PAYMENT OF BIDDING DOCUMENTS

- Secure Order of Payment for the bidding documents at the Procurement Management Office, 4th Floor Pasig City Hall.

- Proceed to City Treasurer's Office, 1st Floor Pasig City Hall for the payment of bidding documents.
- Mode of payment: Cashier Manager's/Cashier's Check payable to City Government of Pasig
 - **Personal Check shall not be accepted.**
- Present the Official Receipt to the BAC Secretariat's Office for the release of the complete Set of bidding documents.

REMINDERS:

- The deadline for the submission of bid is on **August 7, 2023** at 9:30 AM at the Procurement Management Office, 4th Floor Pasig City Hall, Caruncho Ave., San Nicolas Pasig City. The digital clock at the Procurement Management Office that is set to the Philippine Time (PhST) shall be used as reference in determining the time for the submission of bids, Hence participating bidders are advised to synchronize their timepiece with the said digital clock. Late bids or those who submitted after 9:30 AM of **August 7, 2023** shall not be accepted.
- Bidders may submit their bid documents days ahead of the deadline for the submission in order to avoid late submission.
- Bid opening shall be on **August 7, 2023** at 10:00 AM at 7th Floor Meeting Room, Pasig City Hall, Caruncho Ave., San Nicolas Pasig City. Bids will be opened in the presence of the bidders' representatives who choose to attend.
- All licenses, permits and other required clearances should be valid at the time of the submission of bids, Post-Qualification Evaluation and signing of the contract.

- *The BAC expects the bidders to exercise due diligence in going through the bid documents so that they can prepare their bids intelligently.*
- *The Bids and Awards Committee will still continue to implement social distancing and shall require only one (1) Representative per company.*
- All attendees will be subjected to thermal scan prior to entry of the venue and shall:
 1. Wear medical face mask and face shield at all times–“No Mask No Entry”
 2. Bring black ballpen
 3. Bring alcohol

Please be reminded that all queries after the issuance of Bid Bulletin will not be entertained.

ATTY. JOSEPHINE C. LATI-BAGAOISAN
BAC Chairperson

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause																													
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <u>Construction of Two (2) Storey Building with Covered Court and/ or General Building Works.</u>																												
7.1	Subcontracting is not allowed.																												
10.3	A valid Philippine Contractors Accreditation Board (PCAB) license and registration for Size Range – <u>Medium A- Building and Industrial Plant</u> License at least Category: <u>General Building-B</u>																												
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">KEY PERSONNEL</th> <th style="text-align: center;">QTY</th> <th style="text-align: center;">GENERAL EXPERIENCE</th> <th style="text-align: center;">RELEVANT EXPERIENCE</th> </tr> </thead> <tbody> <tr> <td>Project Manager (PM)</td> <td style="text-align: center;">1</td> <td>Licensed Civil Engineer/ Architech</td> <td>With a minimum of three (3) years relevant work experience as Project Manager in Building Construction</td> </tr> <tr> <td>Safety Officer</td> <td style="text-align: center;">1</td> <td>Safety Officer</td> <td>With a minimum of one (1) year in Building Construction projects handled as Safety Officer</td> </tr> <tr> <td>Master Plumber</td> <td style="text-align: center;">1</td> <td>At least one (1) year experience</td> <td>At least one (1) year experience on plumbing works</td> </tr> <tr> <td>Foreman</td> <td style="text-align: center;">1</td> <td>At least one (1) year experience</td> <td>At least one (1) year experience on construction</td> </tr> <tr> <td>Additional Manpower: - Skilled</td> <td></td> <td>At least one (1) year experience</td> <td>As required</td> </tr> <tr> <td>- Laborer</td> <td></td> <td>As required</td> <td>As required</td> </tr> </tbody> </table>	KEY PERSONNEL	QTY	GENERAL EXPERIENCE	RELEVANT EXPERIENCE	Project Manager (PM)	1	Licensed Civil Engineer/ Architech	With a minimum of three (3) years relevant work experience as Project Manager in Building Construction	Safety Officer	1	Safety Officer	With a minimum of one (1) year in Building Construction projects handled as Safety Officer	Master Plumber	1	At least one (1) year experience	At least one (1) year experience on plumbing works	Foreman	1	At least one (1) year experience	At least one (1) year experience on construction	Additional Manpower: - Skilled		At least one (1) year experience	As required	- Laborer		As required	As required
KEY PERSONNEL	QTY	GENERAL EXPERIENCE	RELEVANT EXPERIENCE																										
Project Manager (PM)	1	Licensed Civil Engineer/ Architech	With a minimum of three (3) years relevant work experience as Project Manager in Building Construction																										
Safety Officer	1	Safety Officer	With a minimum of one (1) year in Building Construction projects handled as Safety Officer																										
Master Plumber	1	At least one (1) year experience	At least one (1) year experience on plumbing works																										
Foreman	1	At least one (1) year experience	At least one (1) year experience on construction																										
Additional Manpower: - Skilled		At least one (1) year experience	As required																										
- Laborer		As required	As required																										
10.5	The minimum major equipment requirements are the following: <u>Equipment</u> <u>Capacity</u> <u>Number of Units</u>																												

		EQUIPMENT	CAPACITY	NUMBER OF UNITS
		Elf	35.31 ft ³	1
		Minor Tools	As required	As required
		Welding Machine	As required	1
12	No further instructions.			
15.1	The bid security shall be in the form of a <i>Bid Securing Declaration</i> or any of the following forms and amounts: a. The amount of not less than 2% of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; b. The amount of not less than 5% of ABC if bid security is in Surety Bond.			
19.2	No further instructions.			
20	The following licenses/s and permit/s shall be required: 1. Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives of its equivalent document 1. Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located. 2. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR) 3. Valid PCAB License Category: <u>General Building-B</u> and Registration of at least <u>Medium A- Building and Industrial Plant</u> 4. 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. 5. Latest income and business tax returns 6. Valid licenses issued by the Professional Regulatory Commission (PRC); No other acceptable proof of registration is recognized.			
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and PERT/CPM S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.			

Section IV. General Conditions of Contract

1. Scope of Contract

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

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

2. Sectional Completion of Works

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

3. Possession of Site

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

Special Conditions of Contract

GCC Clause	
2	The Intended Completion Date is <u>360 calendar days</u> .
3.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor upon the issuance of Notice to Proceed.
6	No further instructions.
7.2	<p><i>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.</i></p> <p><i>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.</i></p> <p><i>In case of other structures, such as Bailey and wooden bridges, shallow wells, spring developments, and other similar structures: Two (2) years.</i></p>
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit the Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works to the Procuring Entity's Representative within ten (10) days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is one percent (1%).
13	Advance payment shall be made only upon the submission to and acceptance by the Procuring Entity. The amount of the advance payment is fifteen percent (15%) of the Contract price.
14	No further instructions.
15.1	If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals within thirty (30) calendar days from the completion of the project.
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is one percent (1%) of the final contract amount.

Section VI. Specifications



Form No. : _____
Date : _____
Page No. : 1 OF 8

Name of Project : **CONSTRUCTION OF TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT**
Location : E. Santos St., Brgy. Palatiw, Pasig City
Source of Funds : Supplemental Budget (SB) 2023
Issued Obligated Author : _____
Calendar Days to Complete : 360 CD
Desirable Starting Date : _____

MINIMUM EQUIPMENT REQUIREMENT			
DESCRIPTION	NO.	DESCRIPTION	NO.

TECHNICAL PERSONNEL REQUIRED			
DESCRIPTION	NO.	DESCRIPTION	NO.
CIVIL ENGINEER	1	P.E.E.	1
MASTER PLUMBER	1	SAFETY OFFICER	1

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
1.0	MOBILIZATION / DEMOBILIZATION	0.89%	1.00	lot		
2.0	PRELIMINARIES					
2.1	- Bunkhouse / Temporary Facilities		60.00	sq.m		
2.2	- Temporary Barricades and Protection Net		105.00	lm		
2.3	- Occupational Safety and Health Program		12.00	mos.		
2.4	- Dismantling and Hauling of Existing Covered Court		604.00	sq.m		
2.5	- Water and Electricity consumption		12.00	mos.		
2.6	- Soil Testing		2.00	holes		
		3.32%				
3.0	EARTHWORKS					
3.1	- Clearing and Grubing (Existing Foundation) w/ Disposal		12.00	sets		
3.2	- Concrete Breaking and Disposal		419.00	sq.m		
3.3	- Excavation		1,886.00	cu.m		
3.4	- Disposal of Excavated materials/Unsuited Materials		173.00	cu.m		
3.5	- Sheetpile		105.00	lm		
3.6	- Gravel Bedding		103.00	cu.m		
3.7	- Filling Materials/Compaction		398.00	cu.m		
		3.86%				
4.0	FORMWORKS AND SCAFFOLDING					
4.1	- Columns / Footings / FTB		626.00	sq.m		
4.2	- Labor		1,252.00	sq.m		
4.3	- Beams / Gutter / Stairs		543.00	sq.m		
4.4	- Labor		1,085.00	sq.m		
4.5	- Scaffolds		96.00	sq.m		
4.6	- Labor		96.00	sq.m		
4.7	- Falsework / Rental of H-Frame and Shoring		681.00	sq.m		
4.8	- 1.0mm Thk. Flat Ribbed Steel Decking (250mm width)		681.00	sq.m		
4.9	- Labor and Equipment		2,337.00	sq.m		
4.10	- Stripping of Forms					
		7.09%				
5.0	CONCRETE WORKS					
5.1	- Ready Mix Concrete (4000 psi - 14Days)		579.00	cu.m		
5.2	- Rental of Pumpcrete		12.00	sets		
		9.99%				
6.0	REINFORCEMENTS (GRADE 60)					
	- 25mm Ø Deformed Bars		48,844.00	kls		
	- 20mm Ø Deformed Bars		13,547.00	kls		
	- 16mm Ø Deformed Bars		7,042.00	kls		
	- 12mm Ø Deformed Bars		28,228.00	kls		
	- 10mm Ø Deformed Bars		7,837.00	kls		
	- 10mm Ø Deformed Bars		15.00	rolls		
	- #16 GI Tie Wire		1.00	set		
	- Oxy-acetylene / Cutting Outfit					
		15.92%				
7.0	STRUCTURAL STEEL WORKS					
	- 16mm Ø Shearstuds		166.00	kls		
	- 2" x 6" x 4mm Tubular		4,173.00	kls		
	- W4X13		1,404.00	kls		
	- W12X26		5,039.00	kls		
	- W12X35		3,780.00	kls		
	- W14X61		13,725.00	kls		
	- W36X282		25,380.00	kls		
	- 16mm THK MS Plate		605.00	kls		
	- 20mm THK MS Plate		6,202.00	kls		
	- 25mm THK MS Plate		2,877.00	kls		





PASIG

CITY ENGINEERING OFFICE

Page No. : 2 OF 8

Name of Project : CONSTRUCTION OF TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT
 Location : E. Santos St., Brgy. Palatiw, Pasig City
 Source of Funds : Supplemental Budget (SB) 2023

Calendar Days to Complete : 360 CD

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
	- 20mmØ x 300mm A36 A. Bolt with 2-Hex nuts and washer		460.00	sets		
	- 25mmØ x 400mm A36 A. Bolt with 2-Hex nuts and washer		64.00	sets		
	- 30mmØ x 400mm A36 A. Bolt with 2-Hex nuts and washer		192.00	sets		
	- Rental of Telescopic crane		60.00	days		
		11.88%				
8.0	ROOF FRAMING AND ROOFING					
	- Ga. 24 Ribtype Prepainted longspan w/ accs.		515.00	sq.m		
	- 10mm Double Sided Foil PE Foam Insulator		515.00	sq.m		
	- 3.5mm Ribtype Fiber Skylight Roofing		48.00	sq.m		
	- 175 x 75 x 25 x 3mm C-Purlins		9,300.00	kls		
	- 12mmØ PRB		453.00	kls		
	- 2" x 4" x 4mm Tubular		2,624.00	kls		
	- 3" x 3" x 6mm Angular Bars		4,966.00	kls		
	- 2" x 2" x 6mm Angular Bars		3,215.00	kls		
	- Turnbuckle		24.00	sets		
		4.95%				
9.0	MASONRY / FINISHING WORKS					
	- 6" CHB with Reinforcement		512.00	sq.m		
	- 4" CHB with Reinforcement		306.00	sq.m		
	- Plastering		1,636.00	sq.m		
	- Lineal Plastering		129.00	lm		
	- 60X60 Homogenous Porcelain Floor Tiles		64.00	sq.m		
	- 60X60 Non Skid Homogenous Porcelain Floor Tiles		46.00	sq.m		
	- 60X60 Homogenous Porcelain Wall Tiles		99.00	sq.m		
	- 2" Concrete topping		993.00	sq.m		
		3.50%				
10.0	PAINTING WORKS					
	- Painting of Surface Area		1,636.00	sq.m		
	- Rubberized Paint		1,029.00	sq.m		
	- Structural Frame (Concrete)		1,085.00	sq.m		
	- Structural Frame (Steel)		1,743.00	sq.m		
	- Steel Deck		681.00	sq.m		
		4.25%				
11.0	DOORS AND WINDOWS					
	- Louver Type Rain Protection (Including Framing)		377.00	sq.m		
	- 6mm thk Tempered Glass on 2 bar Framing Awning window with Grills		153.00	sq.m		
	- Steel Casement Window		2.88	sq.m		
	- Aluminum Powder Coated Frame with 10mm Thk Tempered Glass Door		2.00	sets		
	- Flush Door (0.9x2.1) with Jamb and Lockset		4.00	sets		
	- Rolled-up Door		24.84	sq.m		
	- Solid Phenolic Compact Boards partition and doors (including hardware, headrail, pilaster and pilaster shoes		48.00	sq.m		
	- Fire Rated Doors with Panic Device		2.00	sets		
		6.54%				
12.0	SPECIAL ITEMS					
	- Top most bleacher level railings (2x2x2.0 GI Tubular, 4 layers, post at every 2m)		30.00	lm		
	- Steel Railings		62.00	lm		
	- Mobile Bleachers		1.00	set		
	- 2"Ø Stainless Steel Railings (4 layers, post at every 2m)		30.00	lm		
	- Spiral Stair to Bleacher		2.00	sets		
	- Fiberglass Basketball Court w/ Framing and Complete Accs.		2.00	sets		
	- Building Marker, Stainless Signage and Logo		1.00	bldg		
	- Laminated Wall soundproofing		360.00	sq.m		
	- Water Proofing		171.00	sq.m		
		5.63%				
13.0	LIFT ENCLOSURE					
	- 6mm Thk Tempered Glass with 3mm Thk Aluminum powder coated finish Framing		62.20	sq.m		
	- Manual Swing Landing Doors (6mm Thk Tempered Glass Door on 3mm Thk Aluminum Powder coated Finish Framing) with lock Safety Features (Magnetic Lock, Auto Detect of Cabin for opening and Emergency Manual key)		3.00	sets		
		3.64%				
14.0	ELEVATOR LIFT					
	- 1.1x1.4x2.7m Cabin, 6mm thk tempered glass enclosure and one		1.00	set		



TADON



PASIG

CITY ENGINEERING OFFICE

Page No. : 3 OF 8

Name of Project : CONSTRUCTION OF TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT
 Location : E. Santos St., Brgy. Palatiw, Pasig City
 Source of Funds : Supplemental Budget (SB) 2023

Calendar Days to Complete : 360 CD

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
	side 2mm thk aluminum backing, 5-6pax/1-wheel chair + 2pax - 400kgs capacity, 0.3m/s speed, 220v/60hz/single phase, singly cylinder + double guide rails (175 elevator solid rail), 100mm x 50mm x 6mm Rectangular tube lifting frame 2 sets of plate 12a, #11 elevator steel cable, 3 sets of digital display control panel/call button and emergency stop button, 2.2kw Hydraulic System (Silent type) with safety features: door safety sensor, Mechanical limit switch, Weight capacity safety warning and automatic stop, manual down button at elevator utility box, standby power supply device, limit switch, safety sensor under the cabin 5 pcs led lights at cabin and 3mm thk vinyl flooring emergency fall arresting system	8.07%				
15.0	ELECTRICAL WORKS					
15.1	PANELBOARD AND BREAKERS					
	- ENCLOSED CIRCUIT BREAKER : (ECB-MAIN) 200AT, 250AF, 2P, 50kAIC, MCCB, Common Trip, in NEMA 4X Enclosure, Bolt-On Type with Grounding Terminal Blocks, Powder Coated, Stainless Sheet, G.I. Gauge #16, Surface Mounted, with Nameplates on Panelboard, Top and Bottom Entry, with 50mm(2")Ø Conduit Hub, with lock and keys		1.00	assy		
	- ENCLOSED CIRCUIT BREAKER : (ECB-LIFTER) 40AT, 100AF, 2P, 50kAIC, MCCB, Common Trip, in NEMA 4X Enclosure, Bolt-On Type with Grounding Terminal Blocks, Powder Coated, Stainless Sheet, G.I. Gauge #16, Surface Mounted, with Nameplates on Panelboard, Bottom Entry with lock and keys		1.00	assy		
	- ENCLOSED CIRCUIT BREAKER : (ECB-ACU #1, ECB-ACU#2, ECB-WATER PUMP) 30AT, 50AF, 2P, 10kAIC, MCCB, Common Trip, in NEMA 4X Enclosure, Bolt-On Type with Grounding Terminal Blocks, Powder Coated, Stainless Sheet, G.I. Gauge #16, Surface Mounted, with Nameplates on Panelboard, Bottom Entry with lock and keys		3.00	assy		
	- MAIN DISTRIBUTION PANELBOARD : (MDP) MAIN: 200AT, 250AF, 2P, 50kAIC, MCCB, Common Trip BRANCHES: 1- 60AT, 100AF, 2P, 50kAIC, MCCB, Common Trip BRANCHES: 1- 100AT, 100AF, 2P, 50kAIC, MCCB, Common Trip BRANCHES: 2- 60AT, 100AF, 2P, 50kAIC, MCCB, Common Trip BRANCHES: 1- 30AT, 100AF, 2P, 50kAIC, MCCB, Common Trip BRANCHES: 1- 20AT, 50AF, 2P, 10kAIC, MCCB, Common Trip BRANCHES: 1- 40AT, 100AF, 2P, 50kAIC, MCCB, Common Trip IN NEMA 1 Enclosure, Bolt-On Type with Grounding Terminal Powder Coated, G.I. Gauge #16, Surface Mounted, with Nameplates on Panelboard and Circuit Breakers Branches, Side Entry, with lock and keys		1.00	assy		
	- PANELBOARD : (PB-A) MAIN: 60AT, 100AF, 2P, 50kAIC, MCCB, Common Trip BRANCHES: 10- 70AT, 50AF, 2P, 10kAIC, MCCB, Common Trip IN NEMA 1 Enclosure, Bolt-On Type with Grounding Terminal Powder Coated, G.I. Gauge #16, Surface Mounted, with Nameplates on Panelboard and Circuit Breakers Branches, Side Entry, with lock and keys		1.00	assy		
	- PANELBOARD : (PB-B) MAIN: 60AT, 100AF, 2P, 50kAIC, MCCB, Common Trip BRANCHES: 2- 20AT, 50AF, 2P, 10kAIC, MCCB, Common Trip BRANCHES: 6- 30AT, 50AF, 2P, 10kAIC, MCCB, Common Trip BRANCHES: 2- 20AT, 50AF, 2P, 10kAIC, MCCB, Common Trip IN NEMA 1 Enclosure, Bolt-On Type with Grounding Terminal Powder Coated, G.I. Gauge #16, Surface Mounted, with Nameplates on Panelboard and Circuit Breakers Branches, Side Entry, with lock and keys		1.00	assy		
	- MECHANICAL PANELBOARD : (MP-A) MAIN: 100AT, 100AF, 2P, 50kAIC, MCCB, Common Trip					



PASIG

CITY ENGINEERING OFFICE

Page No. : 4 OF 8

Name of Project : CONSTRUCTION OF TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT
 Location : E. Santos St., Brgy. Palatiw, Pasig City
 Source of Funds : Supplemental Budget (SB) 2023
 Calendar Days to Complete : 360 CD

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
	BRANCHES: 10- 30AT, 50AF, 2P, 10kAIC, MCCB, Common Trip IN NEMA 1 Enclosure, Bolt-On Type with Grounding Terminal Powder Coated, G.I. Gauge #16, Surface Mounted, with Nameplates on Panelboard and Circuit Breakers Branches, Side Entry, with lock and keys		1.00	assy		
	MECHANICAL PANELBOARD : (MP-B) MAIN: 60AT, 100AF, 2P, 50kAIC, MCCB, Common Trip BRANCHES: 8- 30AT, 50AF, 2P, 10kAIC, MCCB, Common Trip IN NEMA 1 Enclosure, Bolt-On Type with Grounding Terminal Powder Coated, G.I. Gauge #16, Surface Mounted, with Nameplates on Panelboard and Circuit Breakers Branches, Side Entry, with lock and keys	0.40%				
15.2	FIXTURES, OUTLETS, AND DEVICES		2.00	pcs		
	- Surfaced Type Luminaire, Housing made of sheet, powder coated in white resins, parabolic mirrorized aluminum reflector and multi-lined satin finished louvers, 2 x 18 watts LED lamp, 30t - 40t burning hours, (1200 x 600 x 80 mm), 180-264 volts, 150 lumens per lamp or higher.		33.00	pcs		
	- Surfaced Type Luminaire, Housing made of sheet, powder coated in white resins, parabolic mirrorized aluminum reflector and multi-lined satin finished louvers, 2 x 9 watts LED lamp, 30t - 40t burning hours, (600 x 600 x 80 mm), 180-264 volts, 150 lumens per lamp or higher.		14.00	pcs		
	- Led Hi-bay, 100 watts, 230V, Daylight, Narrow Beam with 60 degree angle.		11.00	pcs		
	- Led Panel Downlight, 12 watts, Daylight, Indoor Type, Recessed Type, 120lumens per watt.		20.00	pcs		
	- Floodlight LED luminaire, 200W, 50k hrs life, 120 lumens/watt, 220-240 volts, 60 Hz @ 95% PF, High Pressure Die cast aluminum casing, with heat resistant silicone rubber gasket, tempered glass with gray paint, Narrow Beam with 60 degree angle.		4.00	pcs		
	- Floodlight LED luminaire, 100W, 50k hrs life, 120 lumens/watt, 220-240 volts, 60 Hz @ 95% PF, High Pressure Die cast aluminum casing, with heat resistant silicone rubber gasket, tempered glass with gray paint, Narrow Beam with 60 degree angle.		27.00	pcs		
	- Emergency Light, Twin Head LED bulb, 230 volts, 20 to 30 hours back up battery run time.		27.00	pcs		
	- Simplex Outlet, 16Amps Rating with grounding universal type, cover plate, wide type, white		30.00	pcs		
	- Duplex Outlet, 16Amps Rating with grounding universal type, cover plate, wide type, white		10.00	pcs		
	- One Gang Switch, 10Amps rating, with cover plate, wide type, white		6.00	pcs		
	- Two Gang Switch, 10Amps rating, with cover plate, wide type, white		12.00	pcs		
	- Three Way Switch, 10Amps rating, with cover plate, wide type, white		1.00	pcs		
	- Scoreboard with shotclock at basketball hoop board 30"(W)x42"(L)x2"thick, with buzzer complete with wiring	1.38%				
15.3	WIRES, CONDUITS, AND OTHER ACCESSORIES		51.00	li. m		
	- 80mm ² THHN Stranded Wire (Black)		11.00	li. m		
	- 30mm ² THHN Stranded Wire (Black)		28.00	li. m		
	- 22mm ² THHN Stranded Wire (White)		95.00	li. m		
	- 14mm ² THHN Stranded Wire (Black, Green)		180.00	li. m		
	- 8.0mm ² THHN Stranded Wire (Black, Green)		1655.00	li. m		
	- 5.5mm ² THHN Stranded Wire (Black, Green)		4872.00	li. m		
	- 3.5mm ² THHN Stranded Wire (Black, Green)		2056.00	li. m		
	- 2.0mm ² THHN Stranded Wire (Green)		3.00	pcs		
	- 50mm(2")Ø RSC Pipe x 10ft		6.00	pcs		
	- 50mm(2")Ø PVC Pipe x 10ft. sch. 40		2.00	pcs		
	- 40mm(1 1/2")Ø PVC Pipe x 10ft. sch. 40		15.00	pcs		
	- 32mm(1")Ø PVC Pipe x 10ft. sch. 40					





PASIG

CITY ENGINEERING OFFICE

Page No. : 5 OF 8

Name of Project : CONSTRUCTION OF TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT
 Location : E. Santos St., Brgy. Palatiw, Pasig City
 Source of Funds : Supplemental Budget (SB) 2023

Calendar Days to Complete : 360 CD

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
	- 25mm(3/4")Ø PVC Pipe x 10ft. sch. 40		30.00	pcs		
	- 20mm(1/2")Ø PVC Pipe x 10ft. sch. 40		806.00	pcs		
	- 20mm(1/2")Ø IMC Pipe x 10ft.		27.00	pcs		
	- 20mm(1/2")Ø IMC Pipe x 10ft.		20.00	pcs		
	- 20mm(1/2")Ø IMC Long Fibow		29.00	pcs		
	- 20mm(1/2")Ø IMC Coupling		60.00	li. m		
	- 1/2" Flexible Metal Conduit, Galvanized Steel		2.00	li. m		
	- 3/4" Mica Tube		142.00	li. m		
	- 1/2" Mica Tube		1.00	pcs		
	- 50mm(2")Ø PVC Male Adapter		2.00	pcs		
	- 40mm(1 1/2")Ø PVC Male Adapter		6.00	pcs		
	- 32mm(1")Ø PVC Male Adapter		2.00	pcs		
	- 25mm(3/4")Ø PVC Male Adapter		598.00	pcs		
	- 20mm(1/2")Ø PVC Male Adapter		1.00	pcs		
	- 50mm(2")Ø IMC Locknut		2.00	pcs		
	- 40mm(1 1/2")Ø IMC Locknut		6.00	pcs		
	- 32mm(1")Ø IMC Locknut		2.00	pcs		
	- 25mm(3/4")Ø IMC Locknut		598.00	pcs		
	- 20mm(1/2")Ø IMC Locknut		1.00	pcs		
	- 50mm(2")Ø IMC Bushing		2.00	pcs		
	- 40mm(1 1/2")Ø IMC Bushing		6.00	pcs		
	- 32mm(1")Ø IMC Bushing		2.00	pcs		
	- 25mm(3/4")Ø IMC Bushing		598.00	pcs		
	- 20mm(1/2")Ø IMC Bushing		2.00	pcs		
	- 50mmØ (2") Liquid Tight Straight Connector		71.00	pcs		
	- Junction Box, with cover, with grounding terminal lug, deep type, G.I. Gauge #16		77.00	pcs		
	- Utility Box, with cover, with grounding terminal lug, deep type, G.I. Gauge #16		1.00	pc		
	- 50mmØ (2") Service Entrance Cap, Diecast Aluminum, Threaded Type		1.00	li. m		
	- Ground rod including ground clamp, 20mmØ x 3000mmØ solid GI steel with copper cladding		2.00	pcs		
	- Machine bolt, 5/8" diameter x 5"		1.00	pc		
	- Oval eyebolt with 5/8 x 18", 1-1/2 eye inside diameter x2", with square nut		35.00	kgs		
	- G.I Wires #16		25.00	rolls		
	- Electrical Tape, Big		2.00	rolls		
	- Rubber Tape		2.00	cans		
	- PVC Solvent, 1 Liter		2.00	cans		
	- Waterstop, 200ml		2.00	cans		
	- Vulcaseal, 1L		38.00	sets		
	- Hangers, Supports, and Accessories including angle bar, clamp, full thread, screws, bolts and nuts, flat washer, hauling, installation using scaffolding or ladder, painting, and other accessories.	1.68%				
15.4	VENTILATION EQUIPMENTS			5.00	sets	
	- 10-ft Ø Volume Low Speed (HVLS) Fan with Control Box Fan Diameter: 3.04m (10ft) Fan Speed: 110RPM Number of Blades: 5 Air Volume: 5,600m ³ /min Noise: 39dB(A) Power: 220W Wind Coverage Area: 350m ² Distance from Ground: 4m Weight of the Whole Fan Set (Motor, Blade & pole): 80kg Weight of Control Box: 8kg Weight of Pole: 4.9kg With Multiple Protection/Safety Features: - Steel Beam Locking Mechanism - Steel Cable Hangers - Motor Shaft with bracket - Anti-accidental drop mechanism (located on motor cover) - Step Lock safety design inside the motor.					



TADON



Name of Project : **PROPOSED TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT**
 Location : E. Santos St., Brgy. Palatiw, Pasig City
 Source of Funds : Supplemental Budget (SB) 2023
 Calendar Days to Complete : 360 CD

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
	- Self-locking permanent magnet mechanism					
	- Non-metal polymer composite material construction for blades to ensure stronger resistance and won't easily break.					
	- High strength fasteners (grade 12.9)					
	- Anti-loss washer and thread with permanent glue for double protection.					
	With 10-years motor warranty					
	With 3-years component warranty		14.00	units		
	- 24" Industrial Exhaust Fan, Direct Drive, Wall Type, 600W 230V, 2P, with shutter blades, with warranty		6.00	units		
	- 24in Wall Fan, Industrial type, 230V, 200Watts					
	3 Speed Control with oscillation					
	215m ³ per minute air volume					
	with built-in thermal fuse					
	.vari angle wall mounted, with warranty		25.00	sets		
	- Hangers, Supports, and Accessories					
	Including angle bar, clamp, full thread, screws, bolts and nuts, flat washer, hauling, installation using scaffolding or ladder, painting, and other accessories.	3.61%				
15.5	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM		1.00	unit		
	- 32" Led Monitor (CCTV Monitoring Screen)					
	Resolution: at least 1920 x 1080 pixels and 60Hz					
	Display Features: Full HD,Anti Glare					
	Monitor Feature: 1080p, Freesync					
	Response Time: 5 ms and below					
	Others: with cables, accessories, and warranty		1.00	unit		
	- Network Video Recorder (NVR)					
	up to 16 Channel IP cameras can be connected					
	2 SATA interfaces (up to 10TB per HDD)					
	Recording up to 8MP resolution					
	supports decoding H.265+/H.265/H.264+/H.264					
	video formats					
	10mbps incoming bandwidth, 160mbps outgoing bandwidth					
	1 HDMI and 1 VGA interfaces: both interfaces support independent video output					
	Plug & Play with 16 Power-over-Ethernet (PoE) interfaces.					
	Channel-zero function ensures smooth remote live view and playback in low bandwidth environment.					
	with warranty		6.00	pcs		
	- Square Box with Cover, G.I. Gauge #16		6.00	units		
	- 4-Megapixel CCTV Camera, 1/4" CMOS image sensor, built-in IR LED , max IR distance : 30m , 12V DC/PoE power support, IP67 protection, with warranty		1.00	unit		
	- 8-Terabyte Hard Disk Drive					
	3.5" SATA, up to 256MB/s, 7200RPM, 256mb cache with three years warranty		1.00	set		
	- CCTV Cabinet/Rack and Table		205.00	li. m		
	- Cat 6 cable wire including RJ45		69.00	pcs		
	- 20mmØ (1/2") EMT Pipe x 10ft.		30.00	pcs		
	- 20mmØ (1/2") EMT Elbow		53.00	pcs		
	- 20mmØ (1/2") EMT Coupling, Compression Type		53.00	pcs		
	- 20mmØ (1/2") EMT Connector, Compression Type		6.00	sets		
	- Others (accessories , hangers, tagging/ panning of camera and support including c-clamp and velcro, tv mounting plate, POE, wire mesh/cable tray)	0.32%				
15.60	ELECTRICAL POST / SERVICE ENTRANCE:		5.02	cu.m		
	- Concrete		388.00	kgs		
	- Rebars		25.22	sq. m		
	- Forms		31.56	cu.m		
	- Excavation		28.14	cu.m		
	- Backfilling		4.89	sq. m		
	- Painting	0.25%				



Name of Project : CONSTRUCTION OF TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT
 Location : E. Santos St., Brgy. Palatiw, Pasig City
 Source of Funds : Supplemental Budget (SB) 2023
 Calendar Days to Complete : 360 CD

ESTIMATED COST OF PROPOSED WORK:

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
16.0	PLUMBING WORKS					
16.1	EARTHWORKS		58.50	sq.m		
	- Concrete Breaking amd disposal		125.00	ln.m		
	- Concrete Cutting		41.30	cu.m		
	- Excavation	0.13%				
16.2	RESTORATION WORKS		18.00	bags		
	- Cement		2.00	cu.m		
	- Sand		2.50	cu.m		
	- Gravel 3/4					
	LABOR COST	0.03%				
	DIRECT COST					
16.3	PLUMBING WORKS (Use PVC Pipes and Fittings of S-1000, SDR 35, ASTM D2729 and ISO 3633) SEWER LINES:		8.00	pcs		
	- PVC PIPE 6" X 3m		43.00	pcs		
	- PVC PIPE 4" X 3m		35.00	pcs		
	- PVC PIPE 2" X 3m		36.00	pcs		
	- PVC WYE 4" X 4"		20.00	pcs		
	- PVC WYE REDUCER 4" X 2"		44.00	pcs		
	- PVC ELBOW 4" X 90°		46.00	pcs		
	- PVC ELBOW 2" X 90°		11.00	pcs		
	- PVC ELBOW 4" X 45°		8.00	pcs		
	- PVC ELBOW 2" X 45°		20.00	pcs		
	- PVC TEE 4" X 2"		48.00	pcs		
	- PVC TEE 4"		48.00	pcs		
	- PVC TEE 2"		8.00	pcs		
	- PVC P-TRAP 2"		8.00	pcs		
	- PVC CLEAN-OUT 4"		4.00	can		
	- SOLVENT 400cc		18.00	pcs		
	- Metal Hangers w/ Expansion Bolt					
	LABOR COST	0.47%				
	DIRECT COST					
16.4	REPAIR OF WATER LINES:		6.00	pcs		
	- PPR PIPE 20 (1/2") x 4m		25.00	pcs		
	- PPR PIPE 25 (1") x 4m		20.00	pcs		
	- PPR ELBOW 20(1/2")		6.00	pcs		
	- PPR ELBOW 25(3/4")		10.00	pcs		
	- PPR TEE 20 (1/2")		10.00	pcs		
	- PPR TEE 25 (3/4")		6.00	pcs		
	- PPR TEE REDUCER 25mm x 20mm		12.00	pcs		
	- PPR MALE ADAPTER 20mm		12.00	pcs		
	- PPR MALE ADAPTER 25mm		30.00	pcs		
	- PPR ELBOW FEMALE ADAPTER 20mm		30.00	pcs		
	- PPR TEE FEMALE ADAPTER 20mm		30.00	pcs		
	- PPR END CAP 20mm		6.00	pcs		
	- PPR COUPLING RED. 25mm X @20 mm)		18.00	pcs		
	- PPR COUPLING 25mm		18.00	pcs		
	- PPR COUPLING 20mm		5.00	pcs		
	- GATE VALVE 1/2" KITZ		4.00	pcs		
	- GATE VALVE 3/4" KITZ		24.00	pcs		
	- Metal Hangers w/ Expansion Volt		1.00	unit		
	- RIG-40 (UP TO 40mm)					
	LABOR COST	0.29%				
	DIRECT COST					
16.5	PLUMBING FEATURE		1.00	units		
	- 220 Gallons Butyl Bladder Tank		2.00	units		
	- 1 Hp, Motor Pump		1.00	units		
	- Control Panel Board for 2 units, Motor Pump		1.00	unit		
	- 2000 Liters P.E Storage Tank Complete Accessories		2.00	pcs		
	- Electrical Tape		20.00	in.m		
	- THHN # 10		6.00	pcs		
	- Union Patente 1" Ø		10.00	pcs		
	- G.I Nipple 1" X 6"		4.00	pcs		
	- G.I Nipple 1" X 3"		2.00	pcs		
	- G.I Flushing Reducer 1 1/2" X 1"		3.00	pcs		
	- Gate Valve 1" Ø					





PASIG


CITY ENGINEERING OFFICE

Page No. : 8 OF 8

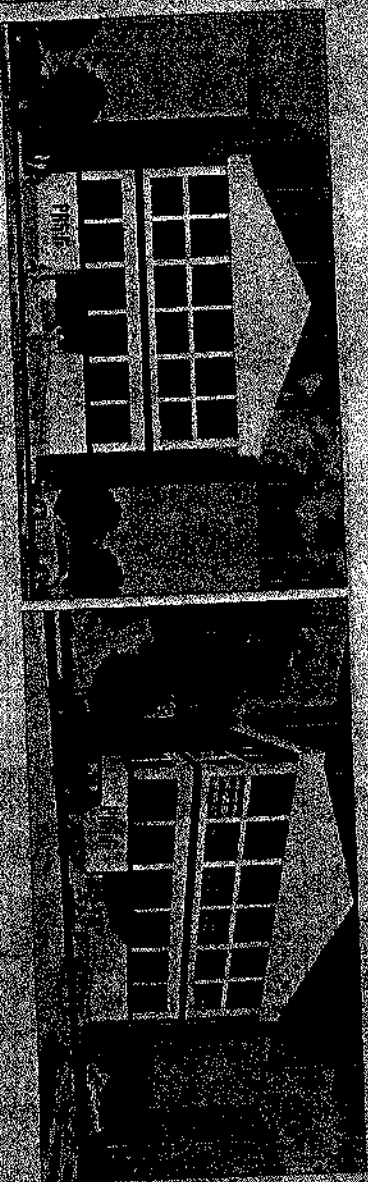
Name of Project : CONSTRUCTION OF TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT
 Location : E. Santos St., Brgy. Palatiw, Pasig City
 Source of Funds : Supplemental Budget (SB) 2023
 Calendar Days to Complete : 360 CD

ESTIMATED COST OF PROPOSED WORK:

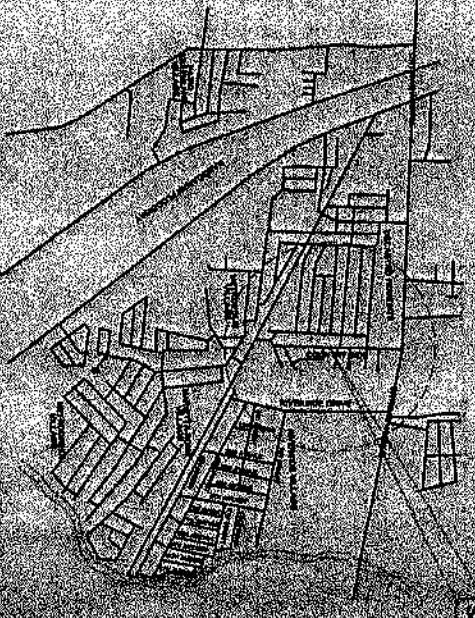
ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
	- Gate Valve 3/4"		6.00	pcs		
	- Check Valve 1"		2.00	pcs		
	- Gate Valve 1/2"		6.00	pcs		
	- Teflon Tape		25.00	pcs		
	LABOR COST	0.73%				
	DIRECT COST					
16.6	PLUMBING FIXTURE					
	- Water Closet		9.00	units		
	- Lavatory (ordinary)		8.00	units		
	- Floor Drain		28.00	units		
	- Faucet (Brass)		10.00	units		
	- Urinal Complete Accessories		2.00	units		
	LABOR COST	0.49%				
	DIRECT COST					
16.7	PUMPHOUSE AND RESTORATION					
	- Cement		34.00	bags		
	- Sand		2.50	cu.m		
	- Gravel		2.50	cu.m		
	- CHB #6		70.00	pcs		
	- 12mm"Ø Deformed Bar		8.00	pcs		
	- 10mm"Ø Deformed Bar		5.00	pcs		
	- #16 G.I Tie Wire		1.00	kl		
	- Steel Gate with Padlock		1.00	set		
	LABOR COST	0.06%				
	DIRECT COST					
16.8	Septic Tank(2x3x2)					
	- Cement		25.00	bags		
	- Sand		3.00	cu.m		
	- Gravel 3/4"		2.00	cu.m		
	- CHB #6		219.00	pcs		
	- 12mm"Ø Deformed Bar		60.00	pcs		
	- 10mm"Ø Deformed Bar		10.00	pcs		
	- #16 G.I Tie Wire		10.00	klts		
	- Plywood 3/4"x4"x8'		3.00	pcs		
	- Cocolumber 2"x4"x12'		10.00	pcs		
	- Nail Assorted Size		5.00	klts		
	LABOR COST	0.11%				
	DIRECT COST					
						100.00%

IKR-  TADN
 POW-2023-06-093 *JK*

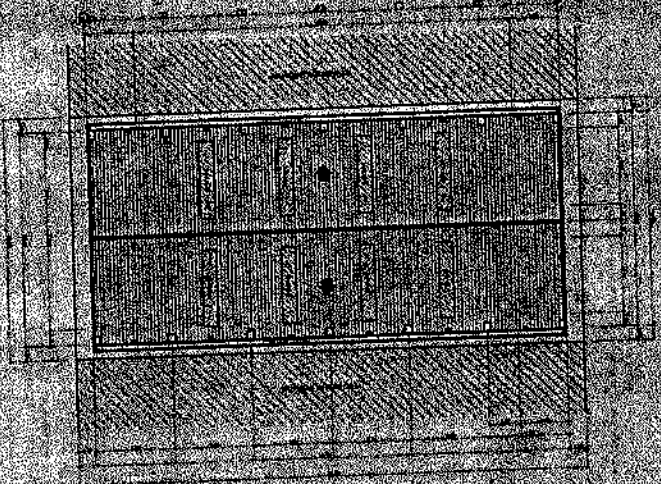
Section VII. Drawings



PERSPECTIVES



LOCATION PLAN



SITE DEVT PLAN

REPUBLIC OF THE PHILIPPINES
 DEPARTMENT OF PUBLIC WORKS
 OFFICE OF THE MANILA ENGINEER

CITY OF PASIG

LINE AND GRADE

LAND USE AND ZONING

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL



OFFICE OF THE MANILA ENGINEER
 ENGINEERING DEPARTMENT

CONSTRUCTION OF TWO STOREY
 MULTIPURPOSE BUILDING WITH
 COVERED COURT

AS SHOWN

MANILA ENGINEER

MANILA ENGINEER

MANILA ENGINEER

MANILA ENGINEER

MANILA ENGINEER

MANILA ENGINEER

MANILA ENGINEER

MANILA ENGINEER



AS SIGAYON



OFFICE OF THE LIAISON
ENGINEERING DEPARTMENT
STATE OF MICHIGAN

PROPOSED TITLE
CONSTRUCTION OF TWO STOREY
MULTI-PURPOSE BUILDING WITH
COVERED COURT

PROPOSED BY
[Signature]

PROPOSED BY
[Signature]

PROPOSED BY
[Signature]

PROPOSED BY
[Signature]

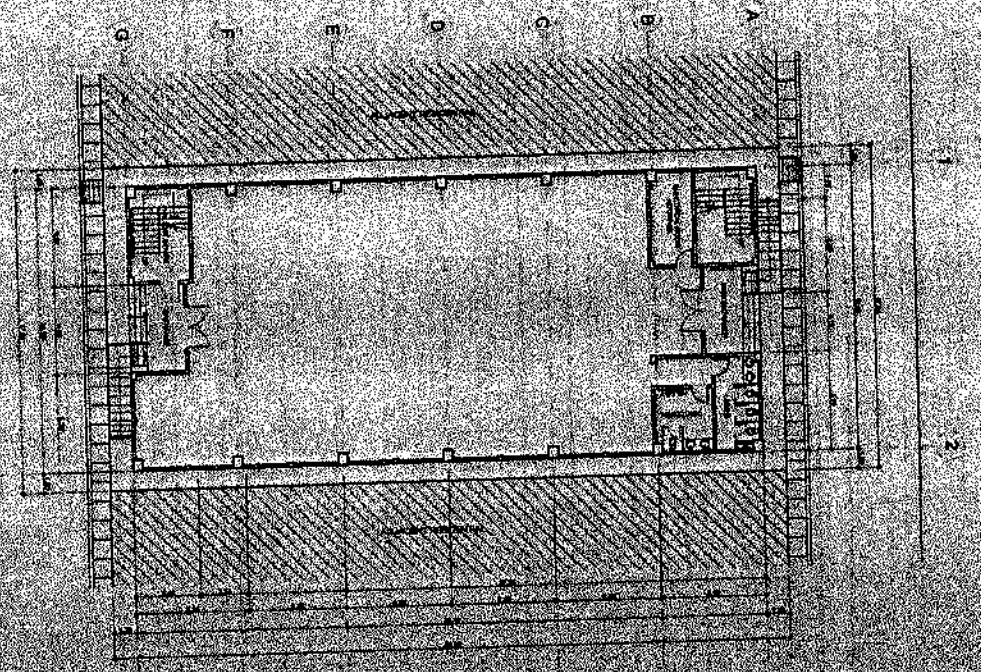
PROPOSED BY
[Signature]

PROPOSED BY
[Signature]

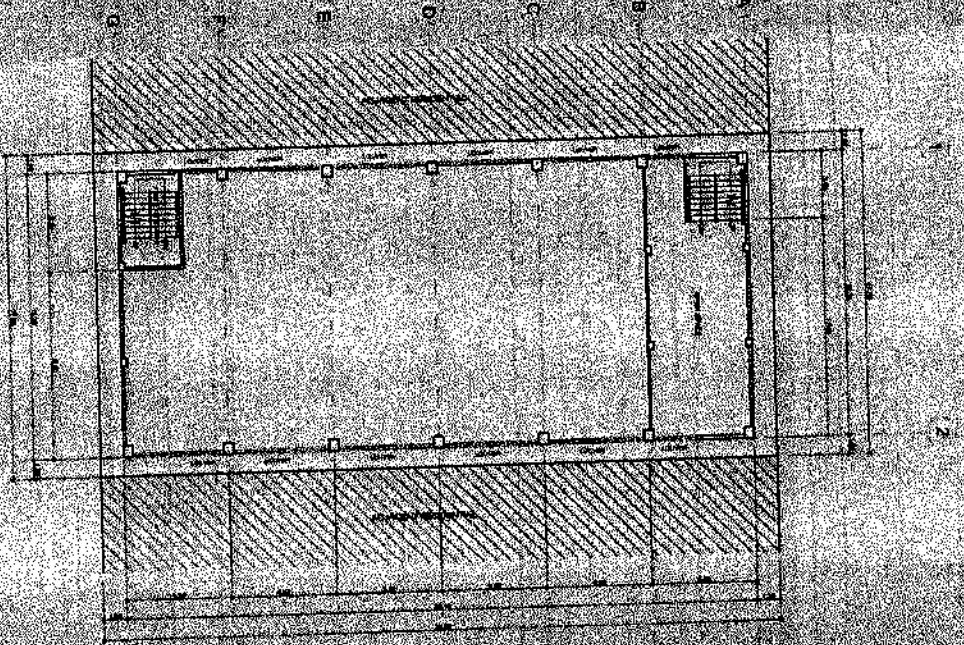
PROPOSED BY
[Signature]

PROPOSED BY
[Signature]

GROUND FLOOR PLAN



GROUND FLOOR MEZZANINE



AS SHOWN





OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT

PROJECT TITLE
MULTI-PURPOSE BUILDING WITH
COVERED COURT

CONTRACT NO.
DATE

PROJECT NO.
DATE

PROJECT NO.
DATE

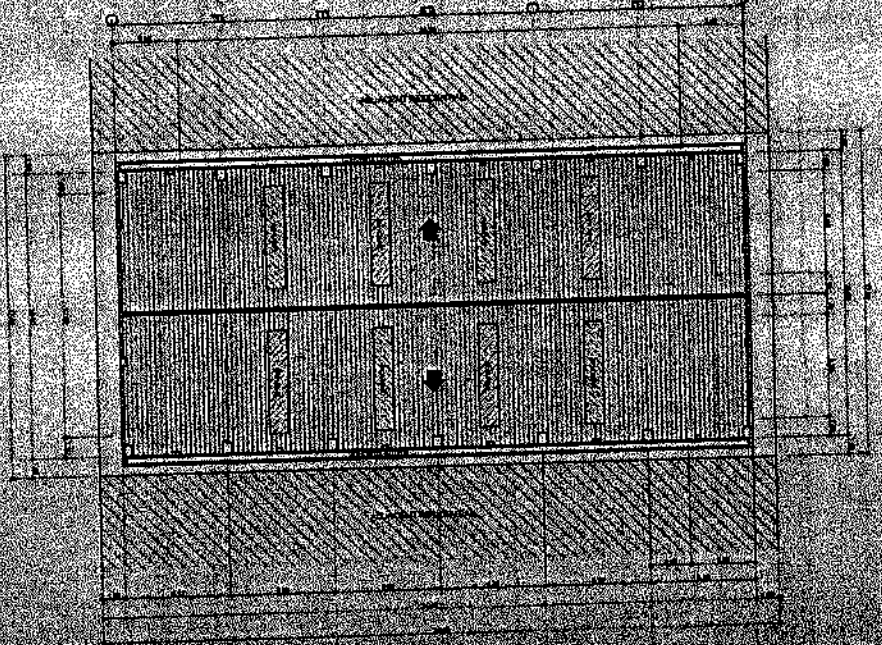
PROJECT NO.
DATE

PROJECT NO.
DATE

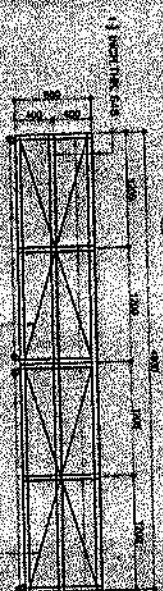
PROJECT NO.
DATE

PROJECT NO.
DATE

PROJECT NO.
DATE



ROOF PLAN

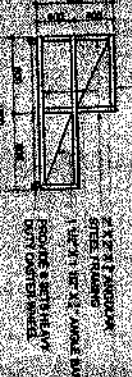


FRONT ELEVATION

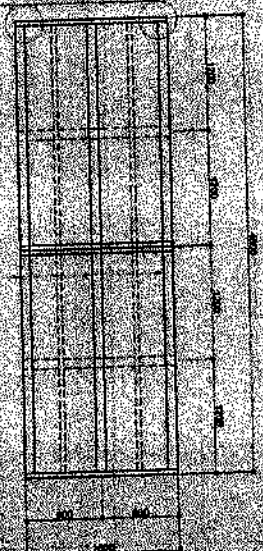
REAR ELEVATION



LEFT SIDE ELEVATION



PLAN

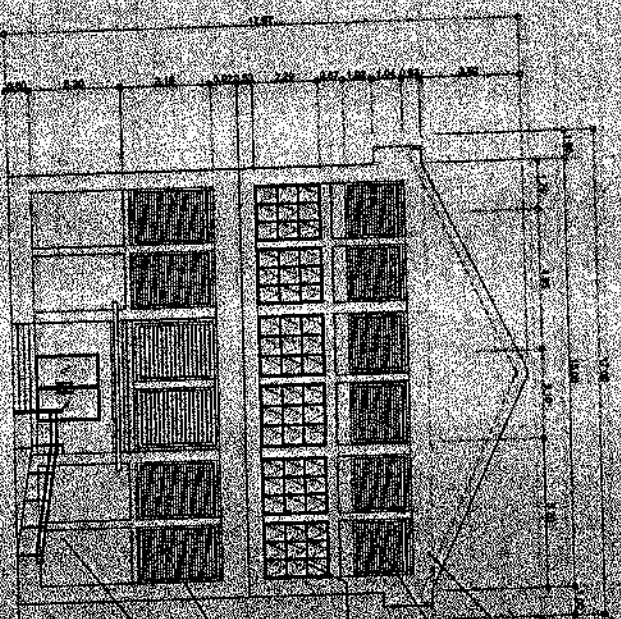


PROVIDE 1/2" DIA. STEEL BOLTS AT ALL CORNERS AND INTERSECTIONS OF MEMBERS.

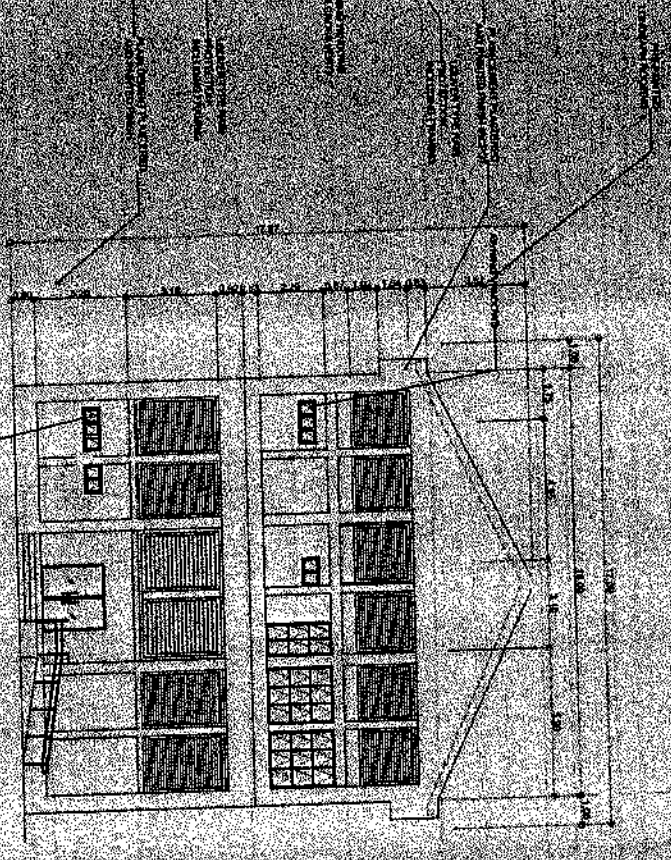
PROVIDE 1/2" DIA. STEEL BOLTS AT ALL CORNERS AND INTERSECTIONS OF MEMBERS.

PROVIDE 1/2" DIA. STEEL BOLTS AT ALL CORNERS AND INTERSECTIONS OF MEMBERS.

AS SHOWN
A-4
4



FRONT ELEVATION



REAR ELEVATION



OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT

PROJECT TITLE
CONSTRUCTION OF STOREY
MULTI-PURPOSE BUILDING WITH
COVERED COURT

DESIGNED BY
JAMES M. SUTHERLAND

APPROVED BY
[Signature]

DATE OF APPROVAL
[Date]

APPROVED BY
[Signature]

DATE OF APPROVAL
[Date]

APPROVED BY
[Signature]

DATE OF APPROVAL
[Date]

APPROVED BY
VICTOR T. FERRELLI, P.E.
[Signature]

DATE OF APPROVAL
[Date]





STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 ENGINEERING DEPARTMENT

PROJECT TITLE:
 CONSTRUCTION OF 10 STOREY
 MULTI-PURPOSE BUILDING W/
 COVERED COURT

PROJECT NO.:
 2017-0000000000

DATE OF ISSUE:
 08/15/2017

SCALE:
 AS SHOWN

DESIGNED BY:
 VICTOR T. FREER, N. SOTTIS

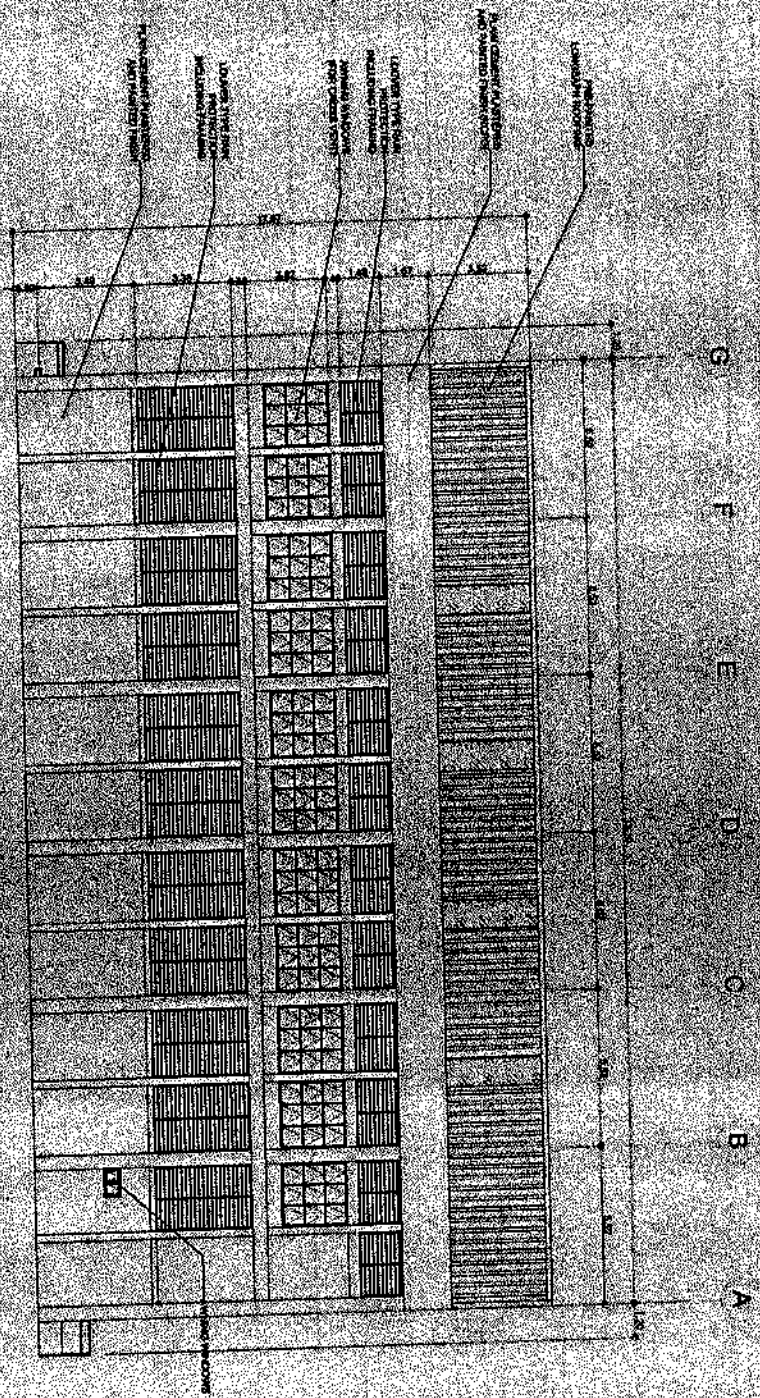
CHECKED BY:
 [Signature]

APPROVED BY:
 [Signature]

DATE OF APPROVAL:
 08/15/2017

AS SHOWN
 8

RIGHT SIDE ELEVATION





OFFICE OF THE MAYOR
 ENGINEERING DEPARTMENT
 ARCHITECTURAL DIVISION

CONSTRUCTION OF THE
 MULTI-PURPOSE BUILDING WITH
 COVERED COURT

ARCHITECT: *[Signature]*
 ENGINEER: *[Signature]*

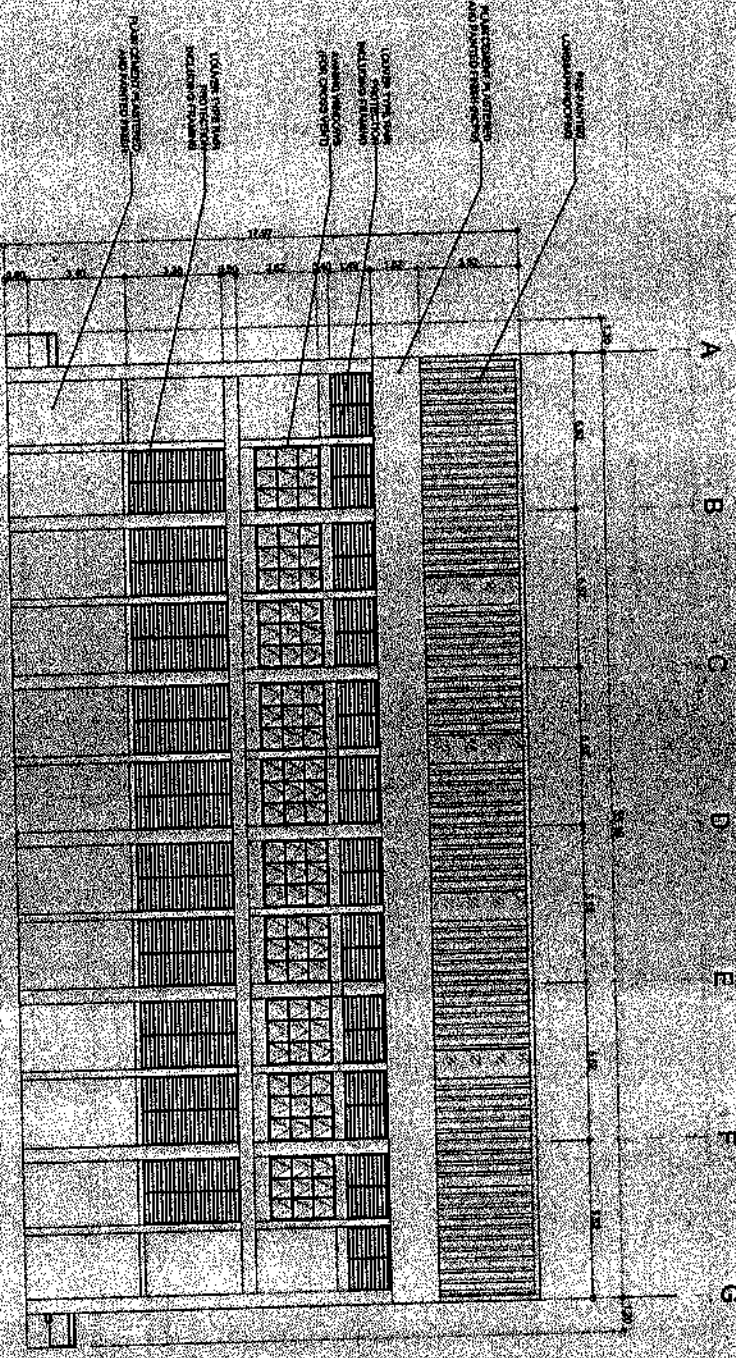
[Signatures]

[Signatures]

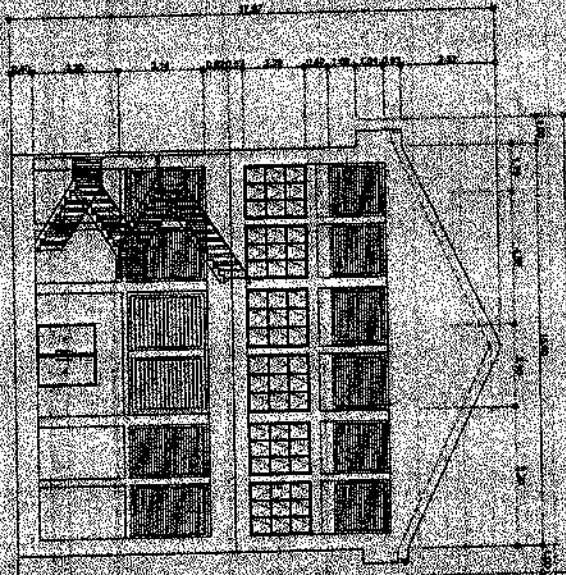
[Signatures]

[Signatures]

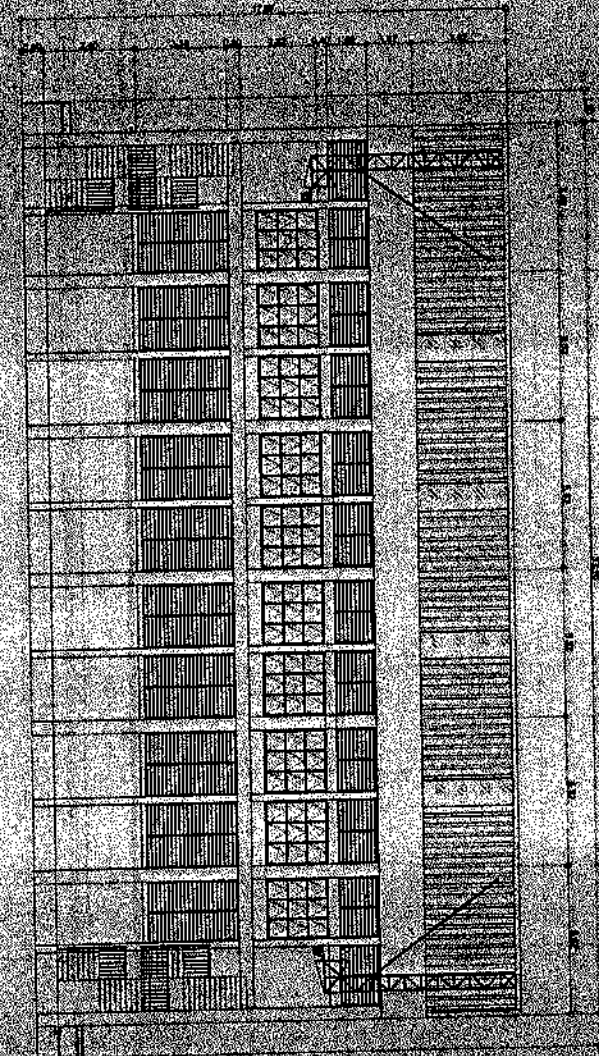
AS SHOWN
[Signature]



LEFT SIDE ELEVATION



CROSS SECTION



LONGITUDINAL SECTION



OFFICE OF THE ARCHITECT
ENGINEERING DEPARTMENT
MUNICIPAL BUILDING
GOVERNMENT HOUSE

PROJECT TITLE
CONSTRUCTION AND STOREY
MULTI-PURPOSE BUILDING WITH
COVERED COURT

ARCHITECT
AND ASSOCIATES
ARCHITECTS

DATE OF ISSUE
15/05/2011

SCALE
AS SHOWN

PROJECT NO.
11/01/001

DATE OF ISSUE
15/05/2011

SCALE
AS SHOWN

PROJECT NO.
11/01/001

DATE OF ISSUE
15/05/2011

SCALE
AS SHOWN

NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS SHOWN ON THIS DRAWING.
3. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS SHOWN ON THIS DRAWING.
4. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS SHOWN ON THIS DRAWING.



OFFICE OF THE MANAGER
ENGINEERING DEPARTMENT
MUNICIPAL ENGINEERING OFFICE
CITY OF MANILA

PROJECT TITLE
CONSTRUCTION OF 1ST STOREY
MULTI-PURPOSE BUILDING IN
COVERED COURT

DESIGNER
SHEILA S. OJAS
REGISTERED ARCHITECT

APPROVED BY
[Signature]
REGISTERED ARCHITECT

DATE
[Date]

PROJECT NO.
[Project Number]

SCALE
[Scale]

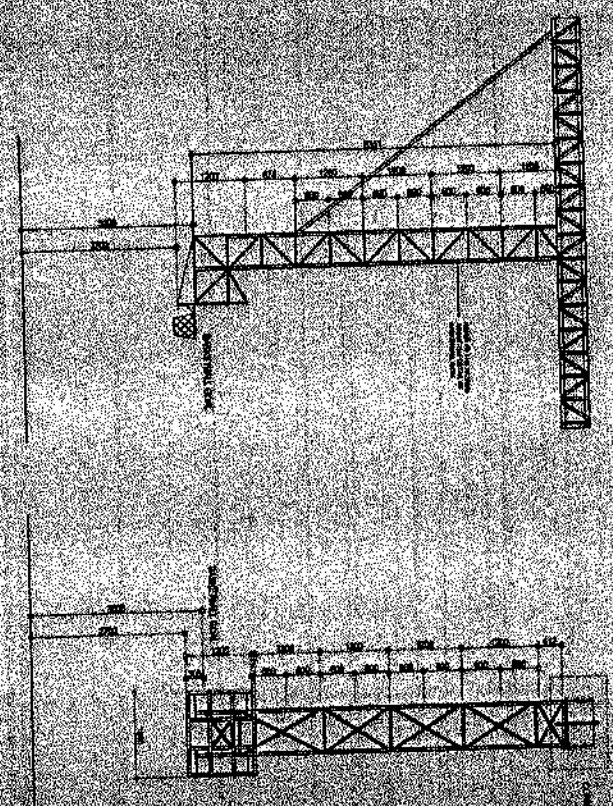
PROJECT LOCATION
[Location]

DESIGNED BY
VICTOR M. REIGLE N. SOTTO
REGISTERED ARCHITECT

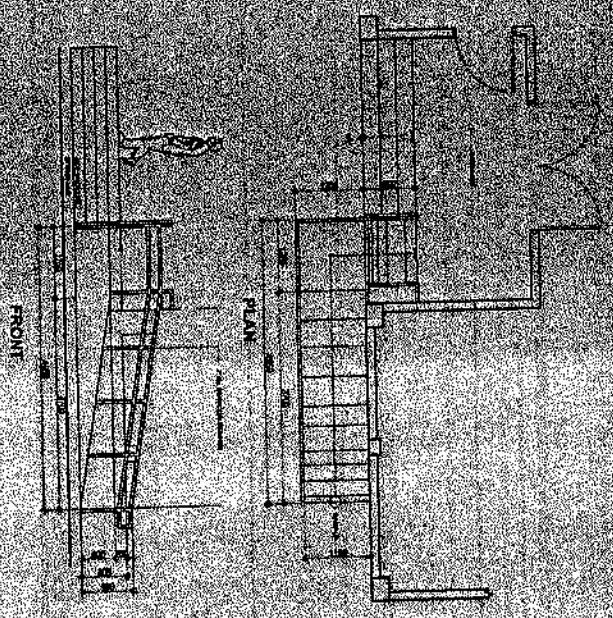
DATE
[Date]

AS SHOWN
[Scale]

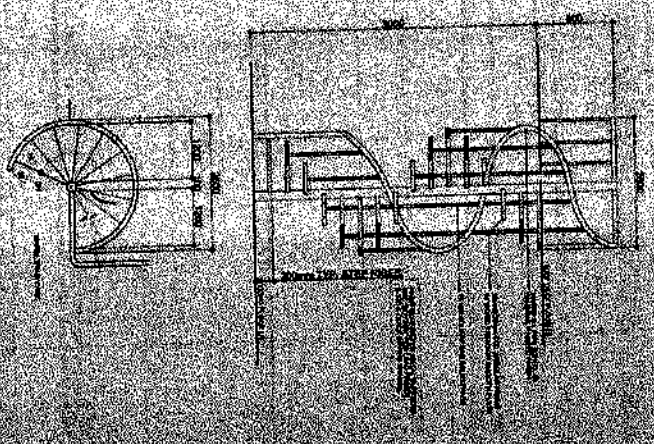
GOAL DETAILED SECTION



RAMP DETAILED SECTION



SPIRAL STAIR



2

10.0 CONCRETE HOLLOW BEAMS

ITEM	DESCRIPTION	UNIT	QUANTITY
10.01	CONCRETE HOLLOW BEAM	M ³	150.00
10.02	FORMWORK	M ²	1200.00
10.03	REINFORCEMENT	T	100.00
10.04	CASTING	M ³	150.00
10.05	FINISHING	M ²	150.00

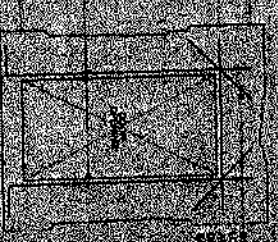
11.0 CONCRETE WALLS

ITEM	DESCRIPTION	UNIT	QUANTITY
11.01	CONCRETE WALL	M ³	200.00
11.02	FORMWORK	M ²	1600.00
11.03	REINFORCEMENT	T	150.00
11.04	CASTING	M ³	200.00
11.05	FINISHING	M ²	200.00

12.0 PRE-CAST WALLS

ITEM	DESCRIPTION	UNIT	QUANTITY
12.01	PRE-CAST WALL	M ³	180.00
12.02	FORMWORK	M ²	1440.00
12.03	REINFORCEMENT	T	135.00
12.04	CASTING	M ³	180.00
12.05	FINISHING	M ²	180.00

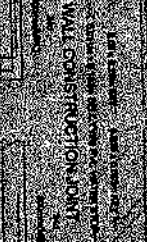
13.0 WINDOW OPENINGS



14.0 DOOR OPENINGS



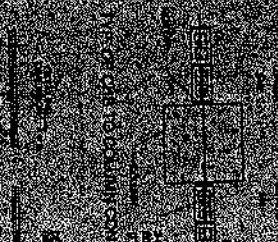
15.0 WALL INTERSECTIONS



16.0 WALL CONSTRUCTION JOINT



17.0 WALL CONNECTIONS



18.0 SLAB CONNECTION



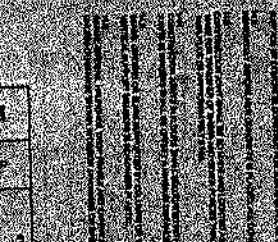
19.0 WALL CONNECTION



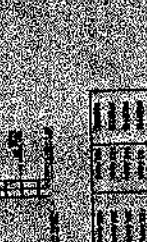
20.0 WALL CONNECTION



21.0 CONSTRUCTION JOINTS



22.0 CONSTRUCTION JOINTS



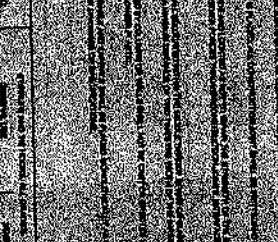
23.0 CONSTRUCTION JOINTS



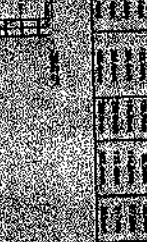
24.0 CONSTRUCTION JOINTS



25.0 CONSTRUCTION JOINTS



26.0 CONSTRUCTION JOINTS



27.0 CONSTRUCTION JOINTS



28.0 CONSTRUCTION JOINTS



ENGINEERING AND ARCHITECTURE
 CONSULTANTS
 1234 MAIN STREET
 SUITE 500
 TORONTO, ONTARIO M5G 1K5
 TEL: (416) 123-4567
 FAX: (416) 987-6543
 WWW: WWW.EA.COM

PROJECT NO. 12345
 SHEET NO. 10 OF 15
 DATE: 15/05/2024

DESIGNED BY: J. SMITH
 CHECKED BY: M. JONES
 APPROVED BY: P. BROWN

SCALE: AS SHOWN



ENGINEERING DEPARTMENT
 CIVIL ENGINEERING
 UNIVERSITY OF ALBANY
 STATE UNIVERSITY OF NEW YORK

PROJECT TITLE
**CONSTRUCTION OF 10 STORY
 WITH THROUGH ROSE BUILDING W/
 COVERED COURT**

DESIGN APPROVED BY
DR. M. A. ...

DESIGN CHECKED BY
DR. ...

DESIGN APPROVED BY
DR. ...

DESIGN CHECKED BY
DR. ...

DESIGN APPROVED BY
DR. ...

DESIGN CHECKED BY
DR. ...

DATE
2/13

1.0 GENERAL

1.1 This drawing is prepared in accordance with the specifications and details of the project. It is intended to be used in conjunction with the other drawings of the project.

2.0 CONCRETE

2.1 Concrete shall be of the quality specified in the specifications. It shall be placed and cured in accordance with the specifications.

3.0 REINFORCING BARS

3.1 Reinforcing bars shall be of the quality specified in the specifications. They shall be placed and tied in accordance with the specifications.

4.0 STRUCTURAL STEEL

4.1 Structural steel shall be of the quality specified in the specifications. It shall be placed and welded in accordance with the specifications.

5.0 FORMWORKS

5.1 Formworks shall be of the quality specified in the specifications. They shall be placed and braced in accordance with the specifications.

6.0 FOUNDATION

6.1 Foundation shall be of the quality specified in the specifications. It shall be placed and cured in accordance with the specifications.

7.0 CONCRETE COLUMNS

7.1 Concrete columns shall be of the quality specified in the specifications. They shall be placed and cured in accordance with the specifications.

8.0 BEAMS & GIRDERS

8.1 Beams and girders shall be of the quality specified in the specifications. They shall be placed and welded in accordance with the specifications.

9.0 CONCRETE SLAB

9.1 Concrete slabs shall be of the quality specified in the specifications. They shall be placed and cured in accordance with the specifications.

10.0 SLAB ON GRADE

10.1 Slab on grade shall be of the quality specified in the specifications. It shall be placed and cured in accordance with the specifications.

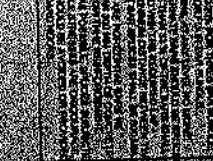
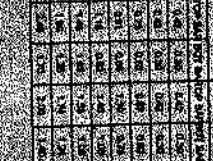
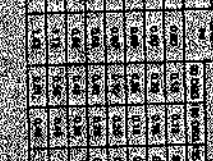
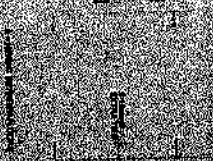
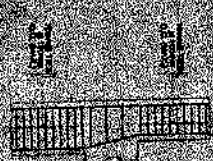
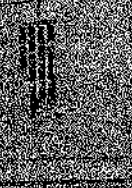
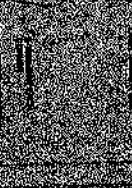
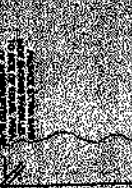
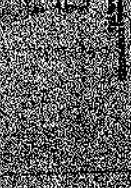
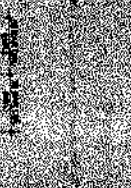
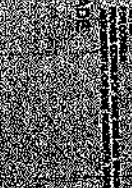
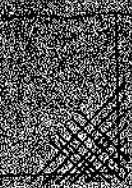
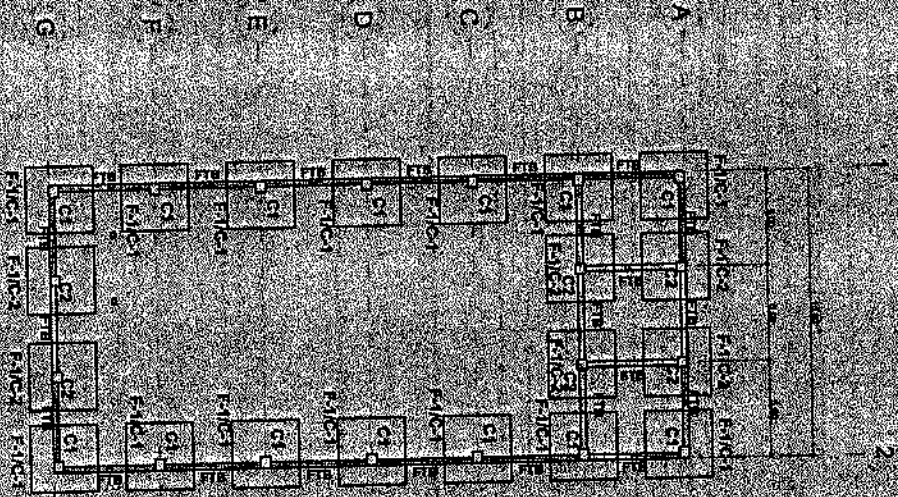


TABLE OF LAP SLICE & ANCHORING LENGTH

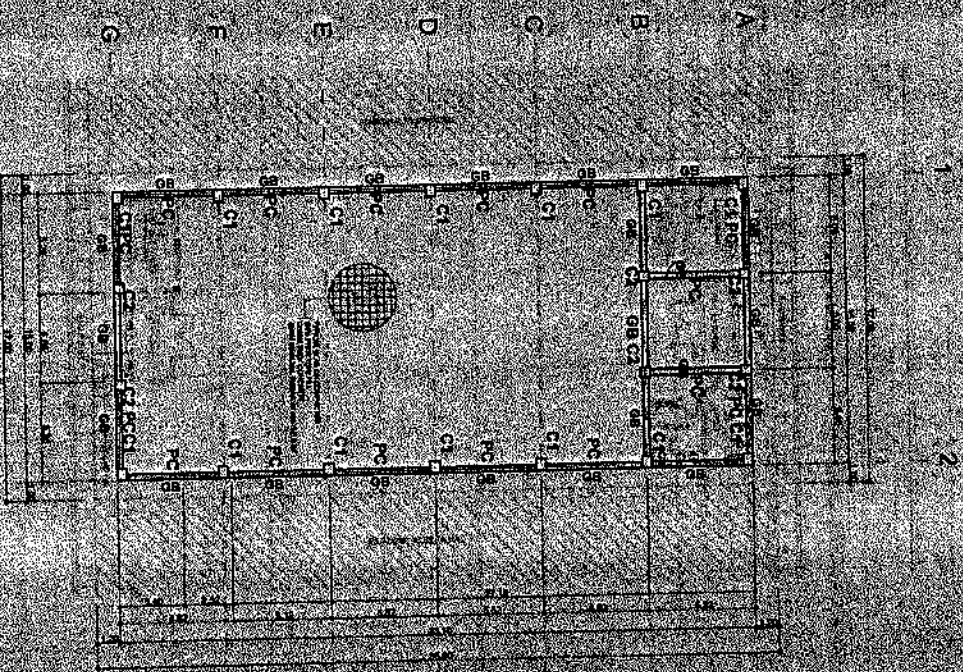
Bar Size	Development Length (L _d)	Anchor Length (L _a)	Lap Length (L _l)
#3	12d	12d	16d
#4	12d	12d	16d
#5	12d	12d	16d
#6	12d	12d	16d
#7	12d	12d	16d
#8	12d	12d	16d
#9	12d	12d	16d
#10	12d	12d	16d
#11	12d	12d	16d
#12	12d	12d	16d
#13	12d	12d	16d
#14	12d	12d	16d
#15	12d	12d	16d
#16	12d	12d	16d
#17	12d	12d	16d
#18	12d	12d	16d
#19	12d	12d	16d
#20	12d	12d	16d

NOTES:
 1. All bars shall be placed in accordance with the specifications.
 2. All bars shall be tied in accordance with the specifications.
 3. All bars shall be placed in accordance with the specifications.





FOUNDATION PLAN



GRADE BEAM BRACING PLAN



ENGINEERING DEPARTMENT
 STATE OF CALIFORNIA
 DIVISION OF PROFESSIONAL ENGINEERS

PROJECT TITLE
**CONCRETE SECOND STOREY
 MULTIPURPOSE BUILDING W/
 COVERED COURT**

DESIGNED BY
 [Signature]

CHECKED BY
 [Signature]

APPROVED BY
 [Signature]

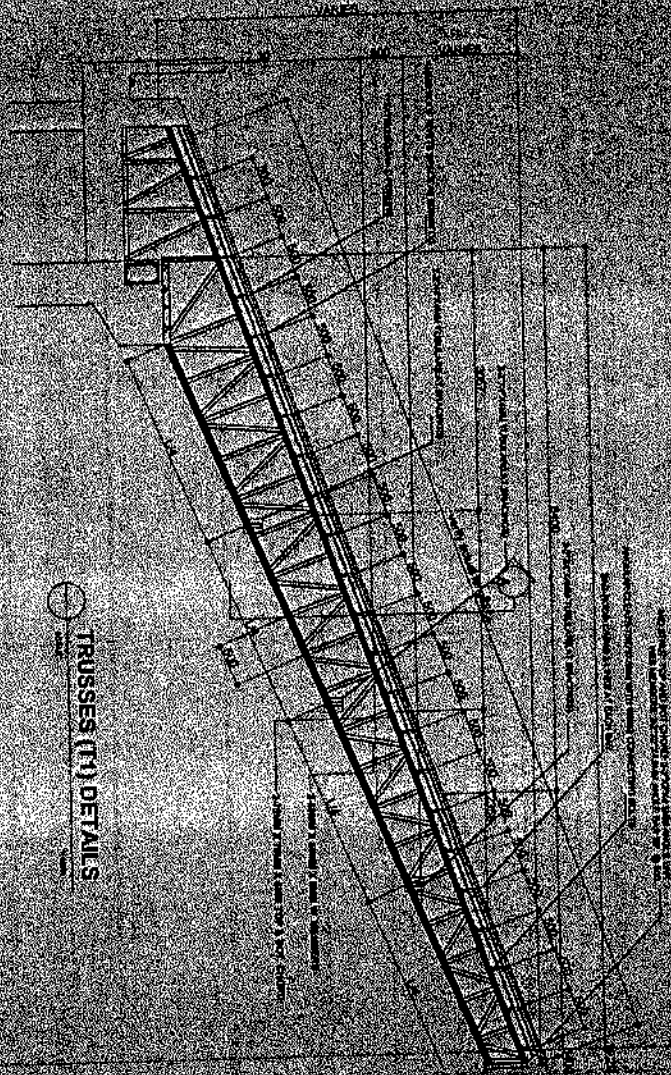
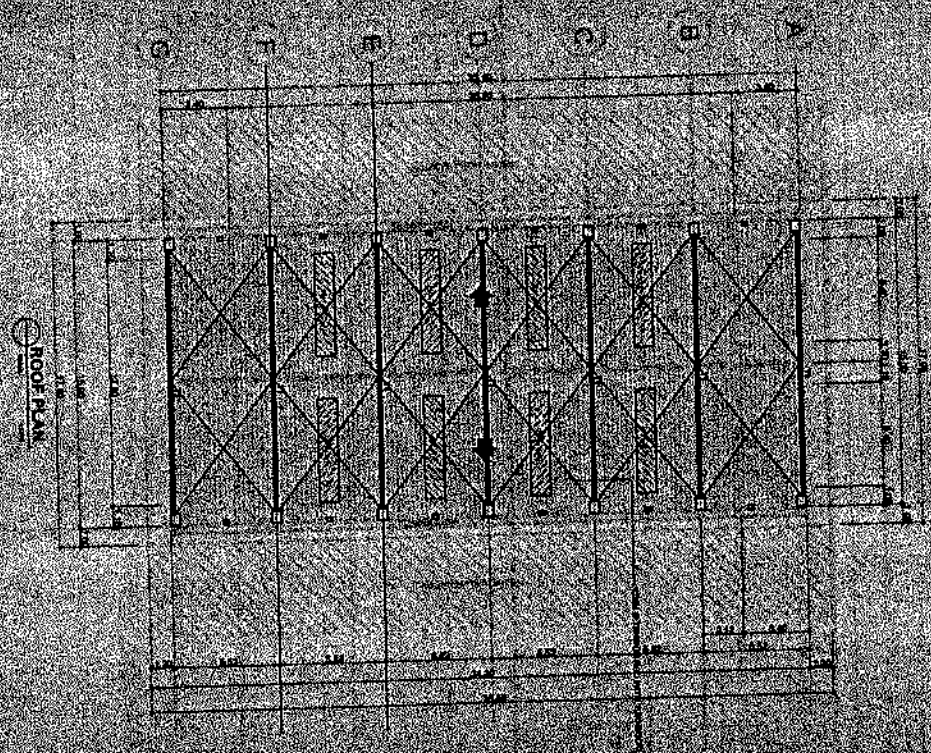
DATE OF DESIGN
 [Date]

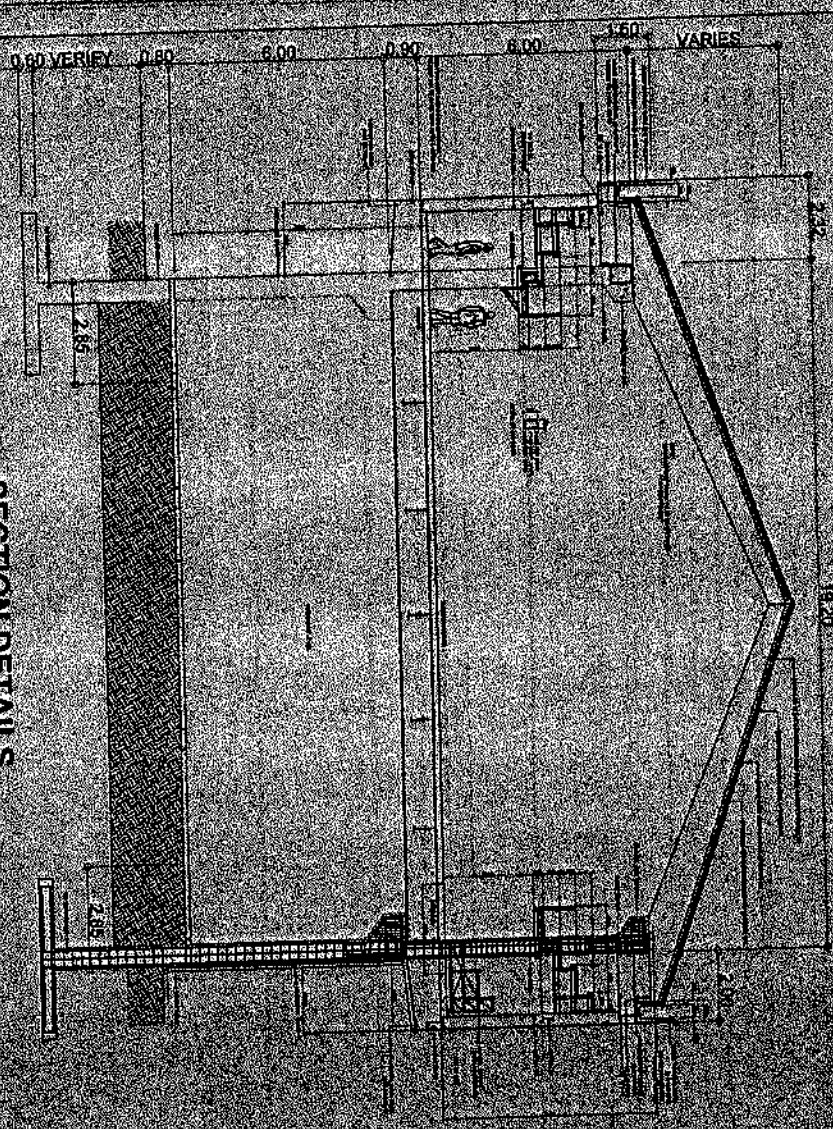
PROJECT NO.
 [Number]

CONTRACTOR
 [Name]

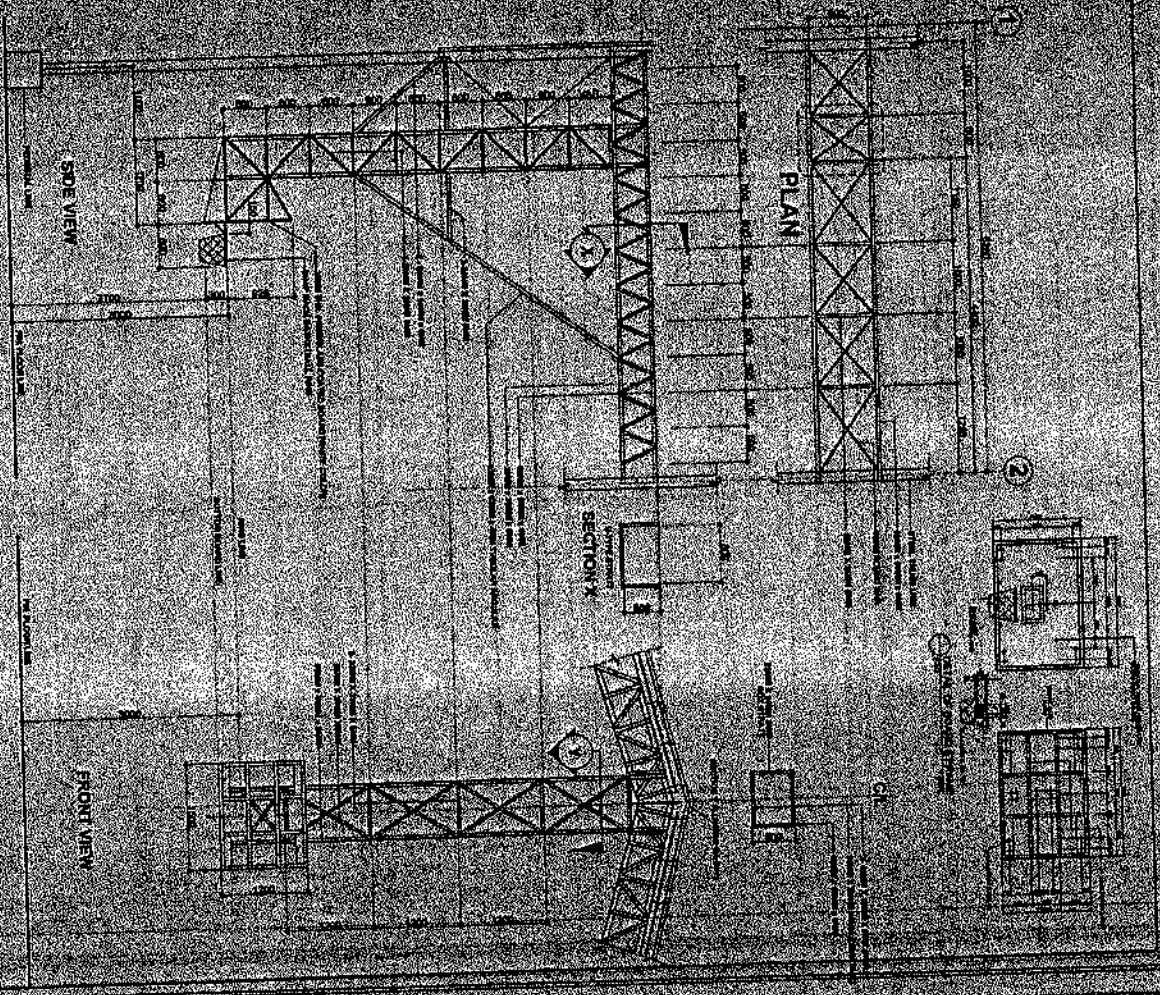
3113

PROJECT NO. 100-100-100-100
 SHEET NO. 100-100-100-100
 CONTRACTOR: [Name]
 ARCHITECT: [Name]
 ENGINEER: [Name]
 DATE: [Date]





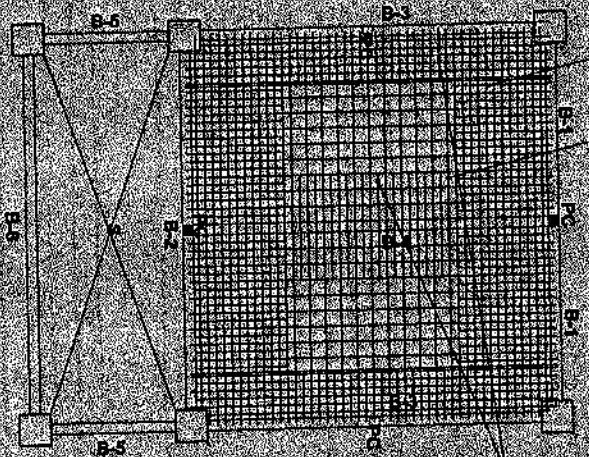
SECTION DETAILS



DETAIL & SECTION OF HANGING BOARD STEEL FRAME


 NAME OF THE ENGINEER: [Name]
 NO. OF THE LICENSE: [Number]
 ENGINEERING DEPARTMENT
 PROJECT TITLE: CONSTRUCTION OF [Project Name]
 CLIENT: [Client Name]
 DATE: [Date]
 SCALE: [Scale]
 DRAWING NO.: [Number]
 SHEET NO.: [Number]

STEEL DECK
50 AND 75#
BOTHWAYS SPACED @ 0.30M



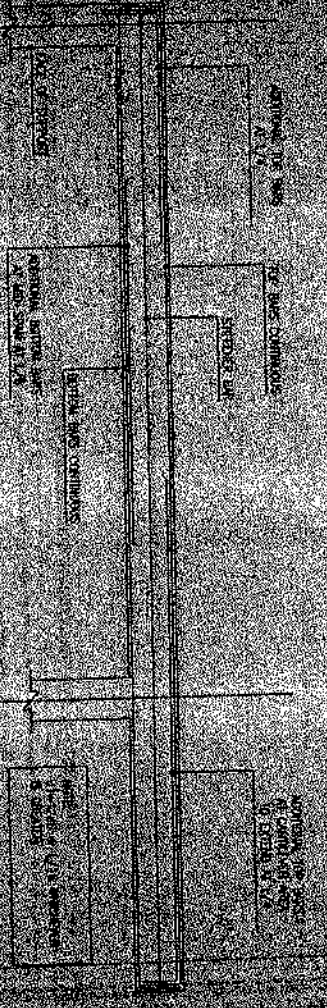
PLAN



SECTION

TYPICAL DETAIL OF STEEL DECK

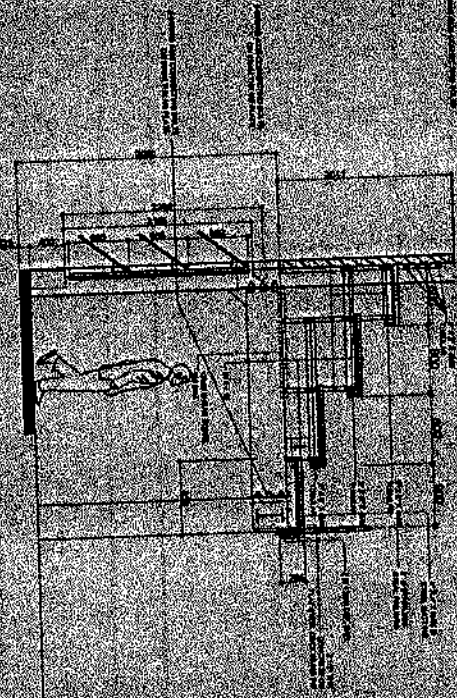
TYPICAL DETAIL OF BEAM REINFORCEMENT



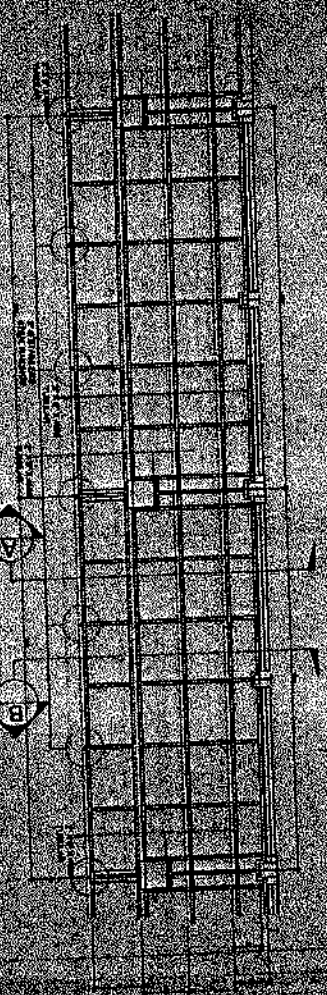
SCHEDULE OF BEAMS

BEAMS	E (mm)	D (mm)	REINFORCEMENT				STIRRUPS
			SUPPORT TOP	BOI. BOT.	MIDSPAN TOP	BOI. BOT.	
B-1	450	500	5-20MM 5-20MM	5-20MM 5-20MM	5-20MM 5-20MM	4-10MM	(UNID. STIRRUPS) SET AT 2 @ 50MM, 5 @ 100MM, 5 @ 100MM, 5 @ 100MM, 5 @ 100MM, 5 @ 100MM ON CENTER
B-2	450	500	4-20MM 4-20MM	4-20MM 4-20MM	4-20MM 4-20MM	4-10MM	
B-3	450	500	5-20MM 5-20MM	5-20MM 5-20MM	5-20MM 5-20MM	4-10MM	(UNID. STIRRUPS) SET AT 2 @ 50MM, 5 @ 100MM, 5 @ 100MM, 5 @ 100MM ON CENTER
B-4	450	500	4-20MM 4-20MM	4-20MM 4-20MM	4-20MM 4-20MM	4-10MM	
B-5	450	500	4-20MM 4-20MM	4-20MM 4-20MM	4-20MM 4-20MM	4-10MM	
B-6	450	500	5-20MM 5-20MM	5-20MM 5-20MM	5-20MM 5-20MM	4-10MM	

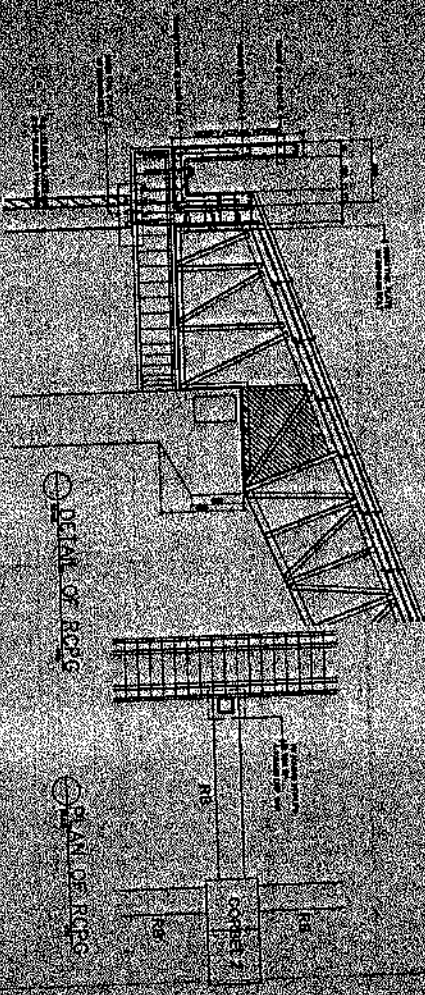
PROJECT TITLE: CONSTRUCTION OF TWO STOREY IN...
 CLIENT: ...
 DESIGNER: ...
 DATE: ...
 SCALE: ...
 SHEET NO.: ...
 TOTAL SHEETS: ...
 APPROVED BY: ...
 CHECKED BY: ...
 DRAWN BY: ...
 PROJECT LOCATION: ...
 PROJECT NO.: ...
 SHEET NO.: ...
 TOTAL SHEETS: ...
 APPROVED BY: ...
 CHECKED BY: ...
 DRAWN BY: ...



DETAIL OF UPPER BLEACHER



DETAIL OF UPPER BLEACHER



DETAIL OF ROOF

DETAIL OF ROOF



ENGINEER'S DEPARTMENT
CITY OF CHICAGO
OFFICE OF THE ENGINEER

CONSULTING ENGINEERS
1111 PULASKI BUILDING
CHICAGO, ILL.

ENGINEER'S NAME
FRANK J. ...

ENGINEER'S ADDRESS
...

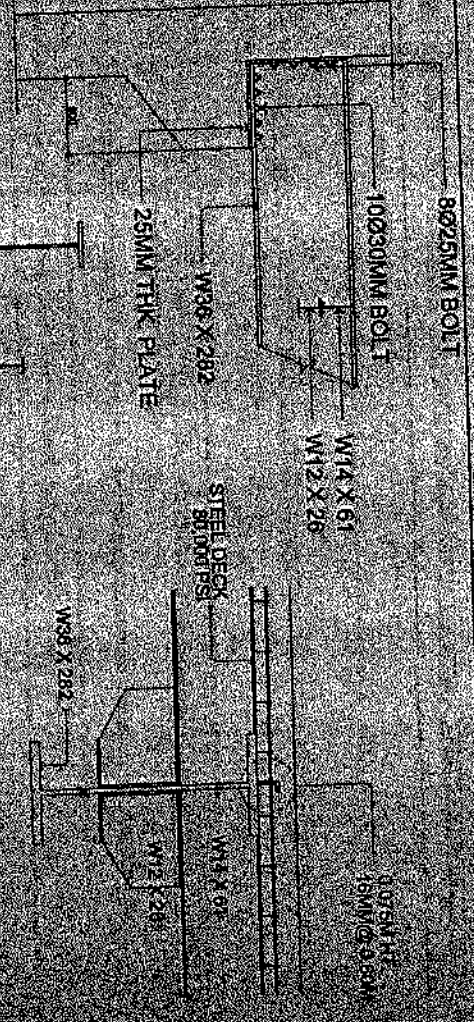
ENGINEER'S LICENSE NO.
...

ENGINEER'S SIGNATURE
...

PROJECT TITLE
VICTORIAN THEATRE IN SOTTO

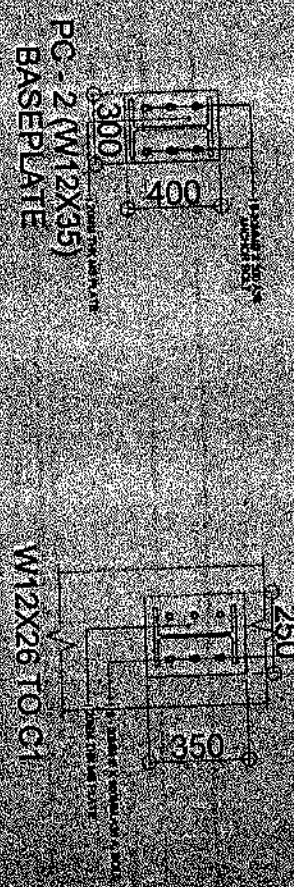
DATE
...

913

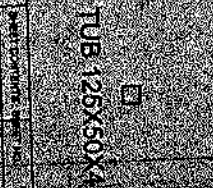
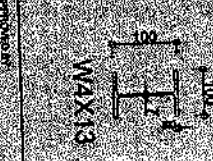
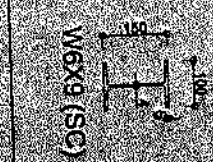
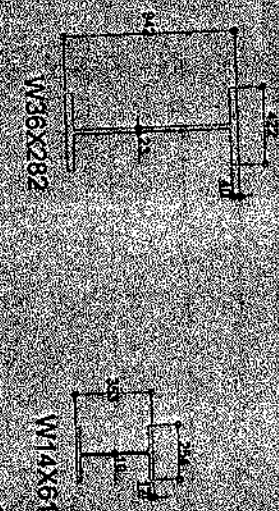
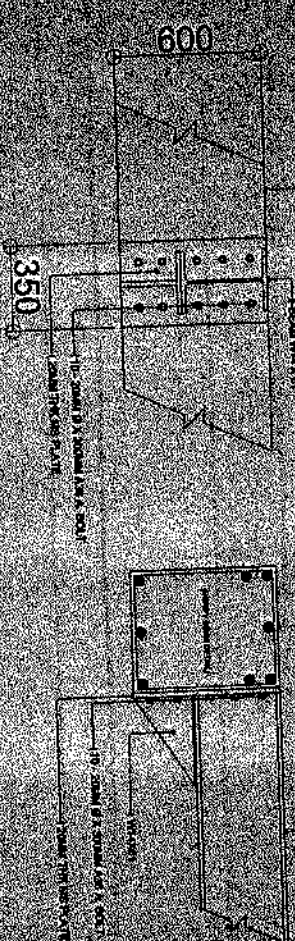


STEEL BEAM SPLICE CONNECTION DETAIL

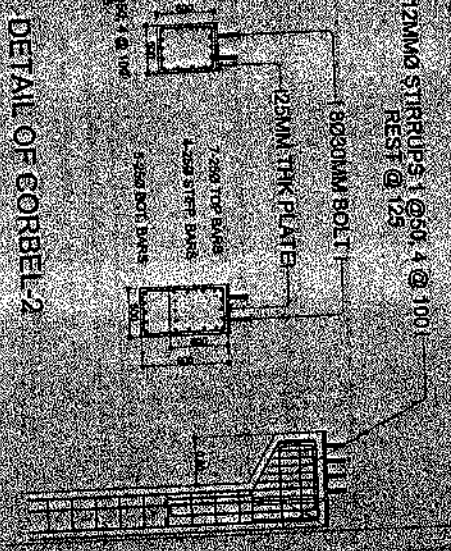
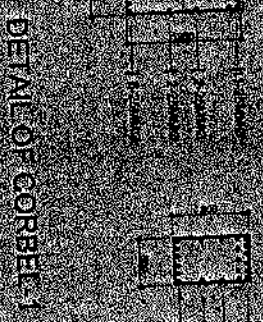
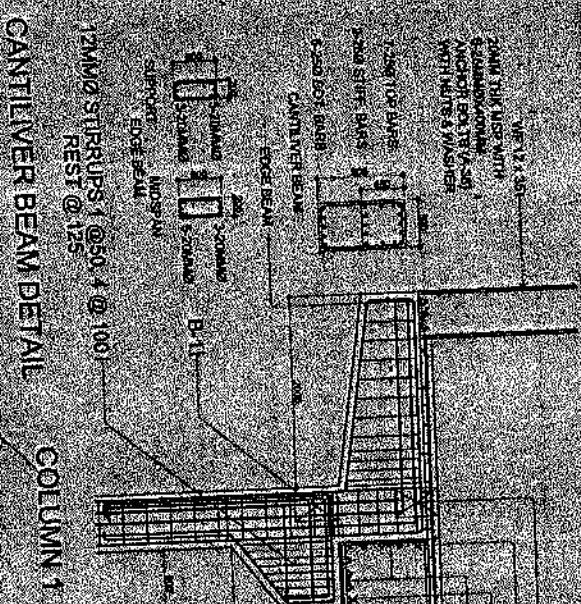
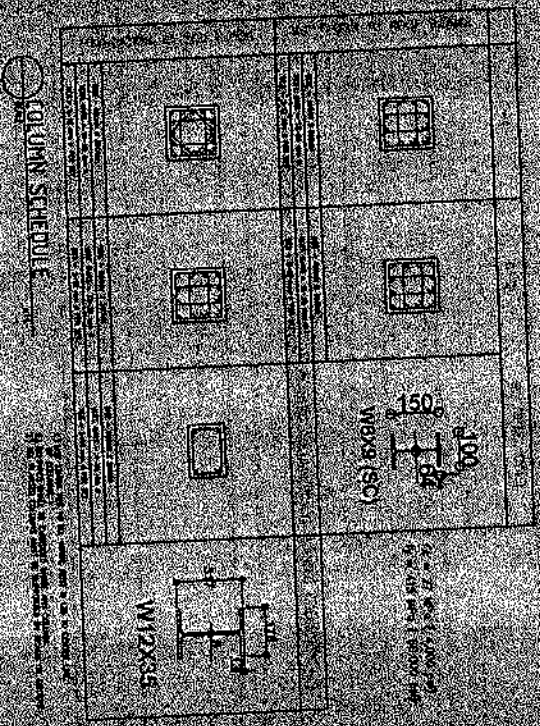
W36X282/W14X61
STEEL FRAME CONNECTION



W14X61 TO CONCRETE BEAM / COLUMN DETAIL




 ENGINEERING DEPARTMENT
 PROJECT TITLE: **CONSTRUCTION OF RING TO STRENGTHEN EXISTING BUILDING IN THE COURSE COURTY**
 DRAWING NO.: **STEEL**
 DATE: **10/13**
 SCALE: **1:10**
 SHEET NO.: **10/13**



ENGINEERING DEPARTMENT

CONSTRUCTION & STRUCTURE

CONSTRUCTION & STRUCTURE

CONSTRUCTION & STRUCTURE

CONSTRUCTION & STRUCTURE

CONSTRUCTION & STRUCTURE

CONSTRUCTION & STRUCTURE

CONSTRUCTION & STRUCTURE



CONSTRUCTION & STRUCTURE



MINISTERIO DE OBRAS PÚBLICAS Y URBANISMO
 DEPARTAMENTO DE INGENIERÍA CIVIL
 INGENIERÍA DE EDIFICACIONES

PROYECTO DE CONSTRUCCIÓN DE UN EDIFICIO DE CINCO PISOS EN EL SECTOR DE LA ALAMEDA, COMUNA DE VALPARAISO

PROYECTO DE EDIFICACIONES
 PLAN DE EDIFICACIONES
 PLAN DE EDIFICACIONES

PROYECTO DE EDIFICACIONES
 PLAN DE EDIFICACIONES
 PLAN DE EDIFICACIONES

PROYECTO DE EDIFICACIONES
 PLAN DE EDIFICACIONES
 PLAN DE EDIFICACIONES

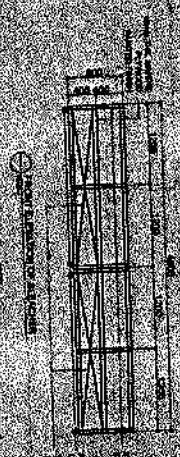
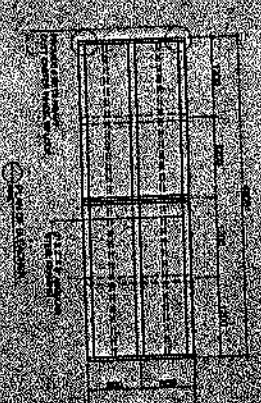
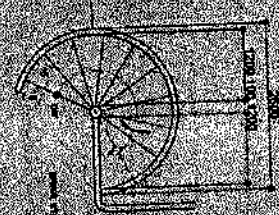
PROYECTO DE EDIFICACIONES
 PLAN DE EDIFICACIONES
 PLAN DE EDIFICACIONES

PROYECTO DE EDIFICACIONES
 PLAN DE EDIFICACIONES
 PLAN DE EDIFICACIONES

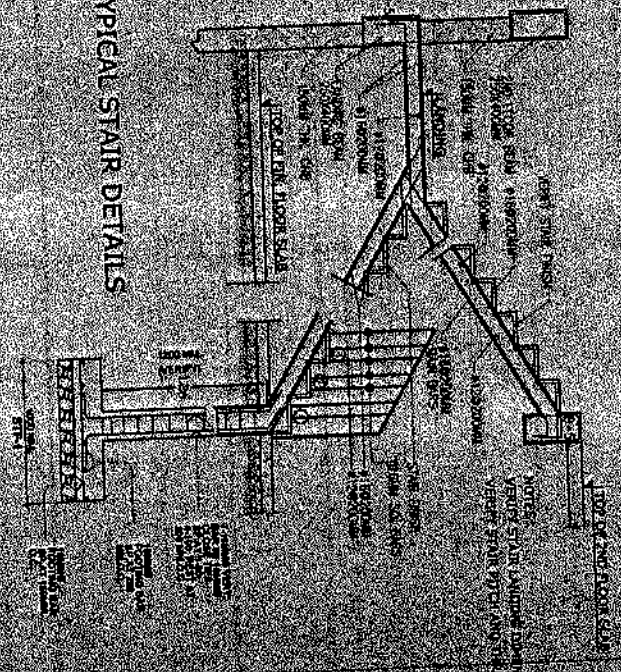
PROYECTO DE EDIFICACIONES
 PLAN DE EDIFICACIONES
 PLAN DE EDIFICACIONES

1213

ESPIRAL STAIR DETAIL



TYPICAL STAIR DETAILS





OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT
AMERICAN TECHNICAL CENTER

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: [Date]



NO.	DESCRIPTION	UNIT	QTY	REMARKS
1	1. 100A Breaker	100A	1	
2	2. 200A Breaker	200A	6	
3	3. 200A Panel	200A	6	
4	4. 200A Panel	200A	6	
5	5. 200A Panel	200A	6	
6	6. 200A Panel	200A	6	
7	7. 200A Panel	200A	6	
8	8. 200A Panel	200A	6	
9	9. 200A Panel	200A	6	
10	10. 200A Panel	200A	6	
11	11. 200A Panel	200A	6	
12	12. 200A Panel	200A	6	
13	13. 200A Panel	200A	6	
14	14. 200A Panel	200A	6	
15	15. 200A Panel	200A	6	
16	16. 200A Panel	200A	6	
17	17. 200A Panel	200A	6	
18	18. 200A Panel	200A	6	
19	19. 200A Panel	200A	6	
20	20. 200A Panel	200A	6	
21	21. 200A Panel	200A	6	
22	22. 200A Panel	200A	6	
23	23. 200A Panel	200A	6	
24	24. 200A Panel	200A	6	
25	25. 200A Panel	200A	6	
26	26. 200A Panel	200A	6	
27	27. 200A Panel	200A	6	
28	28. 200A Panel	200A	6	
29	29. 200A Panel	200A	6	
30	30. 200A Panel	200A	6	
31	31. 200A Panel	200A	6	
32	32. 200A Panel	200A	6	
33	33. 200A Panel	200A	6	
34	34. 200A Panel	200A	6	
35	35. 200A Panel	200A	6	
36	36. 200A Panel	200A	6	
37	37. 200A Panel	200A	6	
38	38. 200A Panel	200A	6	
39	39. 200A Panel	200A	6	
40	40. 200A Panel	200A	6	
41	41. 200A Panel	200A	6	
42	42. 200A Panel	200A	6	
43	43. 200A Panel	200A	6	
44	44. 200A Panel	200A	6	
45	45. 200A Panel	200A	6	
46	46. 200A Panel	200A	6	
47	47. 200A Panel	200A	6	
48	48. 200A Panel	200A	6	
49	49. 200A Panel	200A	6	
50	50. 200A Panel	200A	6	



AS SHOWN



ENGINEERING DEPARTMENT

OFFICE OF THE MANAGER
ARCHITECTURAL OFFICE

1. PROJECT NAME
2. PROJECT NO.
3. PROJECT LOCATION
4. PROJECT TYPE

5. PROJECT DESCRIPTION
6. PROJECT STATUS

7. PROJECT START DATE
8. PROJECT END DATE

9. PROJECT BUDGET
10. PROJECT COST

11. PROJECT RISK
12. PROJECT IMPACT

13. PROJECT CHALLENGES
14. PROJECT SUCCESS

AS SHOWN



TABLE 1: PROJECT SCHEDULE

Activity	Start Date	End Date	Duration	Dependencies
Site Preparation	2023-01-15	2023-02-15	31 Days	
Foundation Work	2023-02-15	2023-03-15	31 Days	Site Preparation
Structural Framework	2023-03-15	2023-04-15	31 Days	Foundation Work
Roofing	2023-04-15	2023-05-15	31 Days	Structural Framework
Interior Finishes	2023-05-15	2023-06-15	31 Days	Roofing
Exterior Finishes	2023-06-15	2023-07-15	31 Days	Interior Finishes
Final Inspection	2023-07-15	2023-07-31	16 Days	Exterior Finishes

TABLE 2: RESOURCE ALLOCATION

Resource	Activity	Start Date	End Date	Hours
Project Manager	Site Preparation	2023-01-15	2023-02-15	150
Project Manager	Foundation Work	2023-02-15	2023-03-15	150
Project Manager	Structural Framework	2023-03-15	2023-04-15	150
Project Manager	Roofing	2023-04-15	2023-05-15	150
Project Manager	Interior Finishes	2023-05-15	2023-06-15	150
Project Manager	Exterior Finishes	2023-06-15	2023-07-15	150
Project Manager	Final Inspection	2023-07-15	2023-07-31	150

TABLE 3: BUDGET BREAKDOWN

Category	Item	Quantity	Unit Price	Total Cost
Construction	Excavation	1000	\$100	\$100,000
Construction	Foundation	500	\$200	\$100,000
Construction	Structural Steel	1000	\$100	\$100,000
Construction	Roofing	2000	\$50	\$100,000
Construction	Interior Finishes	3000	\$33	\$100,000
Construction	Exterior Finishes	2000	\$50	\$100,000
Construction	Final Inspection	1000	\$100	\$100,000
Professional Fees	Architectural	1	\$100,000	\$100,000
Professional Fees	Engineering	1	\$100,000	\$100,000
Professional Fees	Construction Management	1	\$100,000	\$100,000
Professional Fees	Permitting	1	\$100,000	\$100,000
Professional Fees	Insurance	1	\$100,000	\$100,000
Professional Fees	Contingency	1	\$100,000	\$100,000
Professional Fees	Other	1	\$100,000	\$100,000

TABLE 4: RISK ASSESSMENT

Risk	Impact	Probability	Severity	Mitigation
Weather Delays	High	Medium	High	Weather Monitoring
Material Shortages	Medium	High	Medium	Material Procurement
Labor Shortages	Medium	Medium	Medium	Labor Recruitment
Cost Overruns	High	Low	High	Budget Management
Quality Issues	Medium	Medium	Medium	Quality Control
Safety Incidents	High	Low	High	Safety Training
Permitting Delays	Medium	Medium	Medium	Permitting Coordination
Contract Disputes	Medium	Low	Medium	Contract Management
Communication Breakdown	Medium	Medium	Medium	Communication Plan
Unforeseen Circumstances	High	Low	High	Contingency Planning



OFFICE OF THE MAYOR
 ENGINEERING DEPARTMENT
 ARCHITECTURAL OFFICE

City of Detroit
 225 W. Wabash Ave.
 Detroit, Michigan 48226
 Telephone: (313) 224-2300
 Fax: (313) 224-2301

PROJECT TITLE
 CONSTRUCTION OF THE FIRST
 FLOOR OF THE DETROIT
 COURTS BUILDING

DATE
 10/15/01

DESIGNED BY
 [Signature]

CHECKED BY
 [Signature]

DATE
 10/15/01

PROJECT NO.
 01-001

SCALE
 AS SHOWN

PROJECT LOCATION
 225 W. Wabash Ave., Detroit, MI

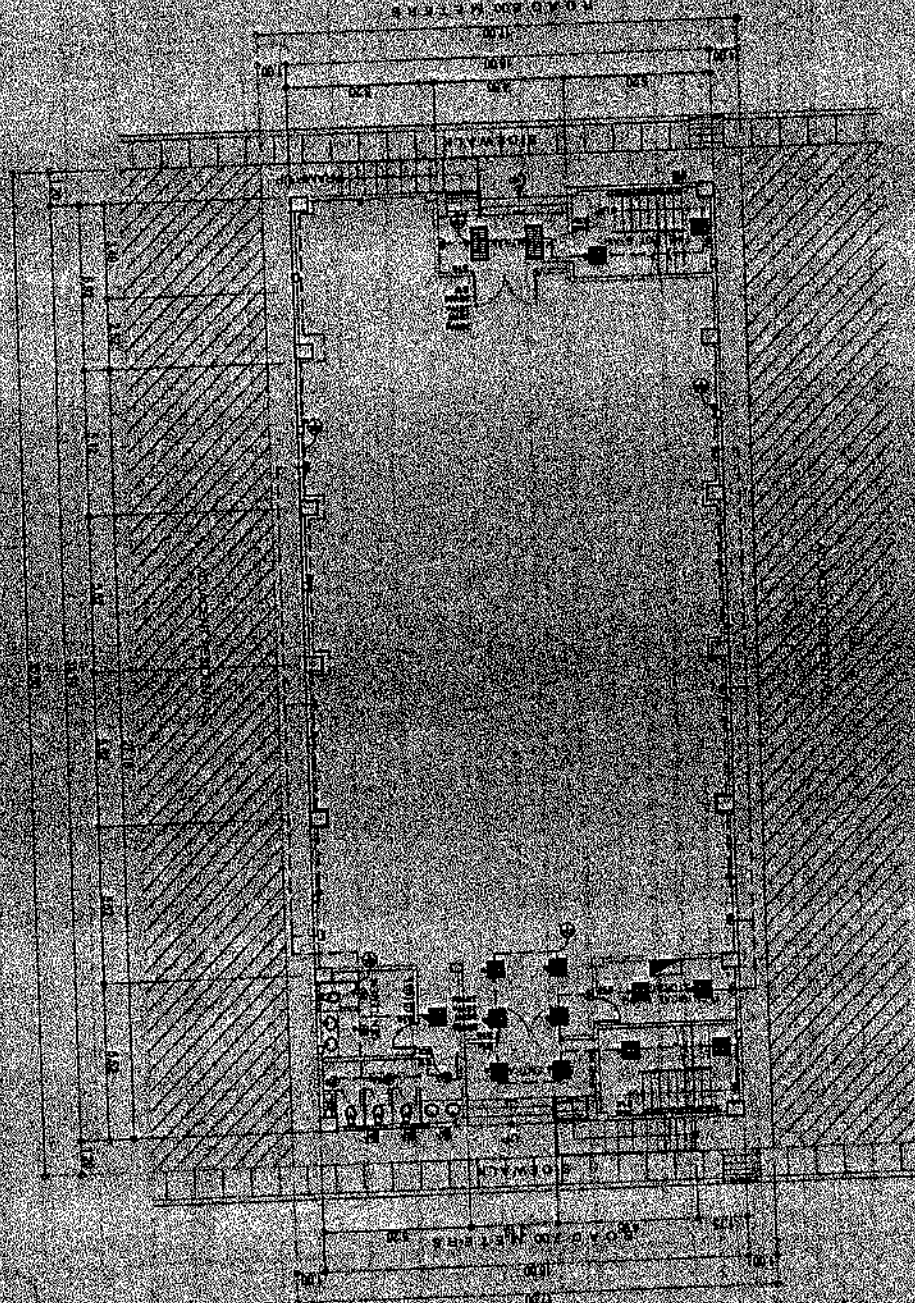
PROJECT NO.
 01-001

DATE
 10/15/01

PROJECT NO.
 01-001

DATE
 10/15/01

GROUND FLOOR PLAN
 LIGHTING AND POWER LAYOUT



A B C D E F G
 1 2



OFFICE OF THE MAYOR
CITY OF HOUSTON
ENGINEERING DEPARTMENT
ARCHITECTURAL OFFICE

APPROVED FOR THE CITY OF HOUSTON
BY THE ENGINEERING DEPARTMENT
ON THE DATE OF THE SIGNATURE OF THE ENGINEER

APPROVED FOR THE CITY OF HOUSTON
BY THE ARCHITECTURAL OFFICE
ON THE DATE OF THE SIGNATURE OF THE ARCHITECT

APPROVED FOR THE CITY OF HOUSTON
BY THE ELECTRICAL OFFICE
ON THE DATE OF THE SIGNATURE OF THE ELECTRICAL ENGINEER

APPROVED FOR THE CITY OF HOUSTON
BY THE MECHANICAL OFFICE
ON THE DATE OF THE SIGNATURE OF THE MECHANICAL ENGINEER

APPROVED FOR THE CITY OF HOUSTON
BY THE PLUMBING OFFICE
ON THE DATE OF THE SIGNATURE OF THE PLUMBING ENGINEER

APPROVED FOR THE CITY OF HOUSTON
BY THE FIRE DEPARTMENT
ON THE DATE OF THE SIGNATURE OF THE FIRE DEPARTMENT CHIEF

APPROVED FOR THE CITY OF HOUSTON
BY THE POLICE DEPARTMENT
ON THE DATE OF THE SIGNATURE OF THE POLICE DEPARTMENT CHIEF

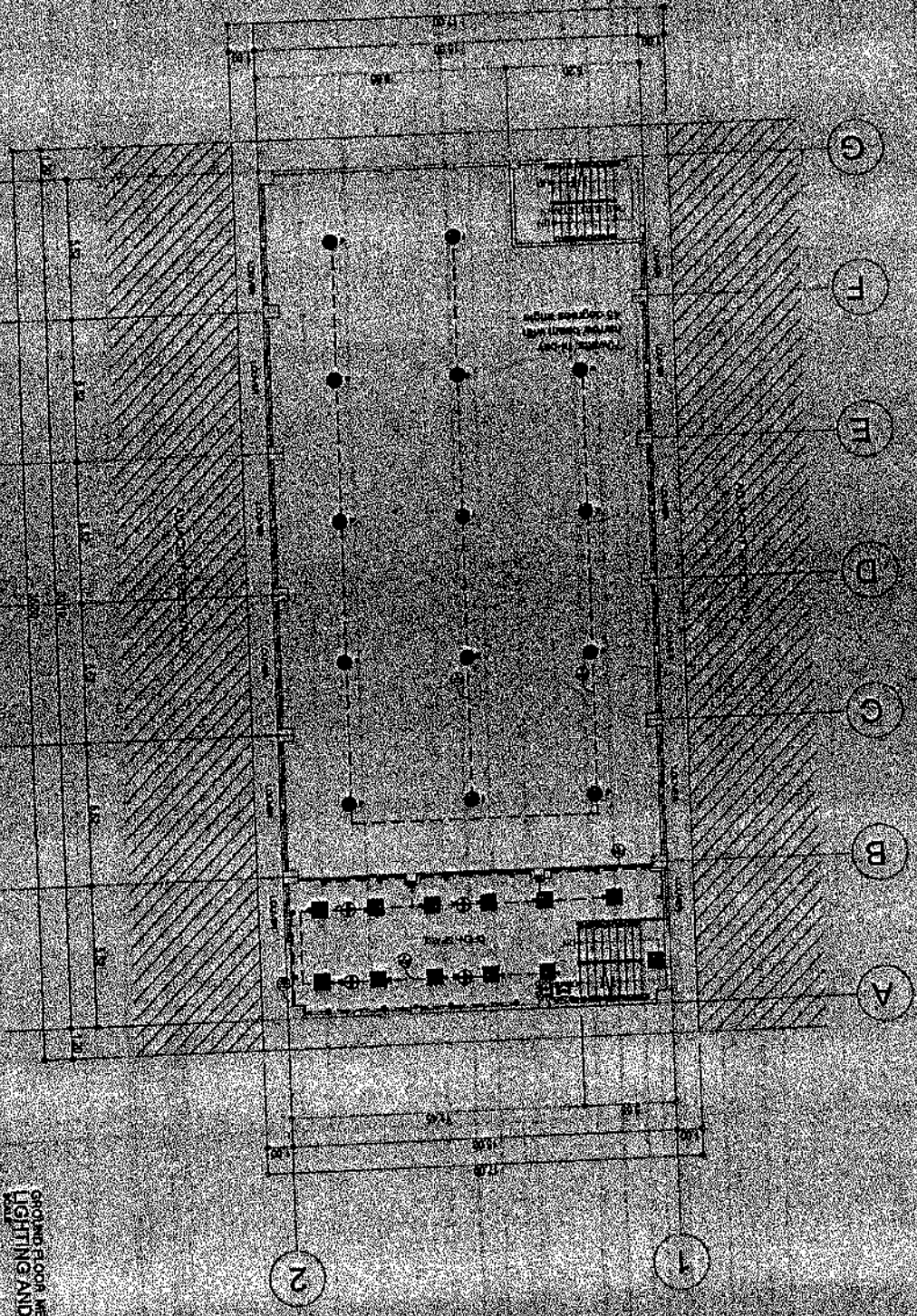
APPROVED FOR THE CITY OF HOUSTON
BY THE HEALTH DEPARTMENT
ON THE DATE OF THE SIGNATURE OF THE HEALTH DEPARTMENT CHIEF

APPROVED FOR THE CITY OF HOUSTON
BY THE WATER UTILITIES DEPARTMENT
ON THE DATE OF THE SIGNATURE OF THE WATER UTILITIES DEPARTMENT CHIEF

APPROVED FOR THE CITY OF HOUSTON
BY THE PUBLIC WORKS DEPARTMENT
ON THE DATE OF THE SIGNATURE OF THE PUBLIC WORKS DEPARTMENT CHIEF



GROUND FLOOR MEZZANINE LEVEL
LIGHTING AND POWER LAYOUT





ENGINEERING DEPARTMENT

OFFICE OF THE MAYOR
CITY OF PHOENIX
ARCHITECTURAL SERVICE

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DATE: [Date]

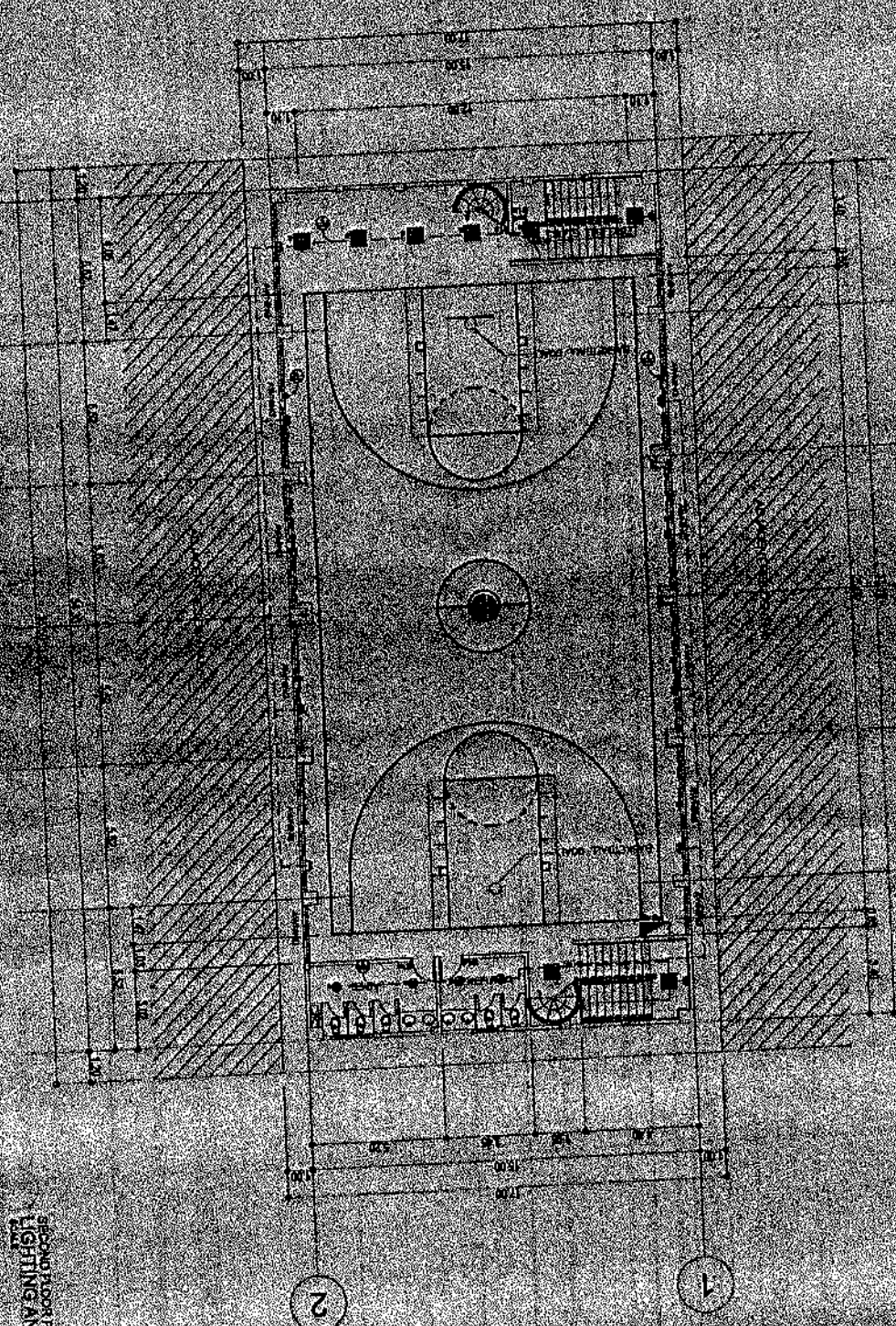
CONSTRUCTION OF THE CITY
HALL REPAIRS
CONTRACT NO. [Number]

SCALE: [Scale]

DATE: [Date]

BY: [Signature]

AS SHOWN



SECOND FLOOR PLAN
LIGHTING AND POWER LAYOUT



OFFICE OF THE MARYLAND
ENGINEERING DEPARTMENT

APPROVED FOR THE PROJECT
DATE: 10/15/11
BY: [Signature]

CONTRACT NO. 11-1-0000000000
PROJECT NO. 11-1-0000000000

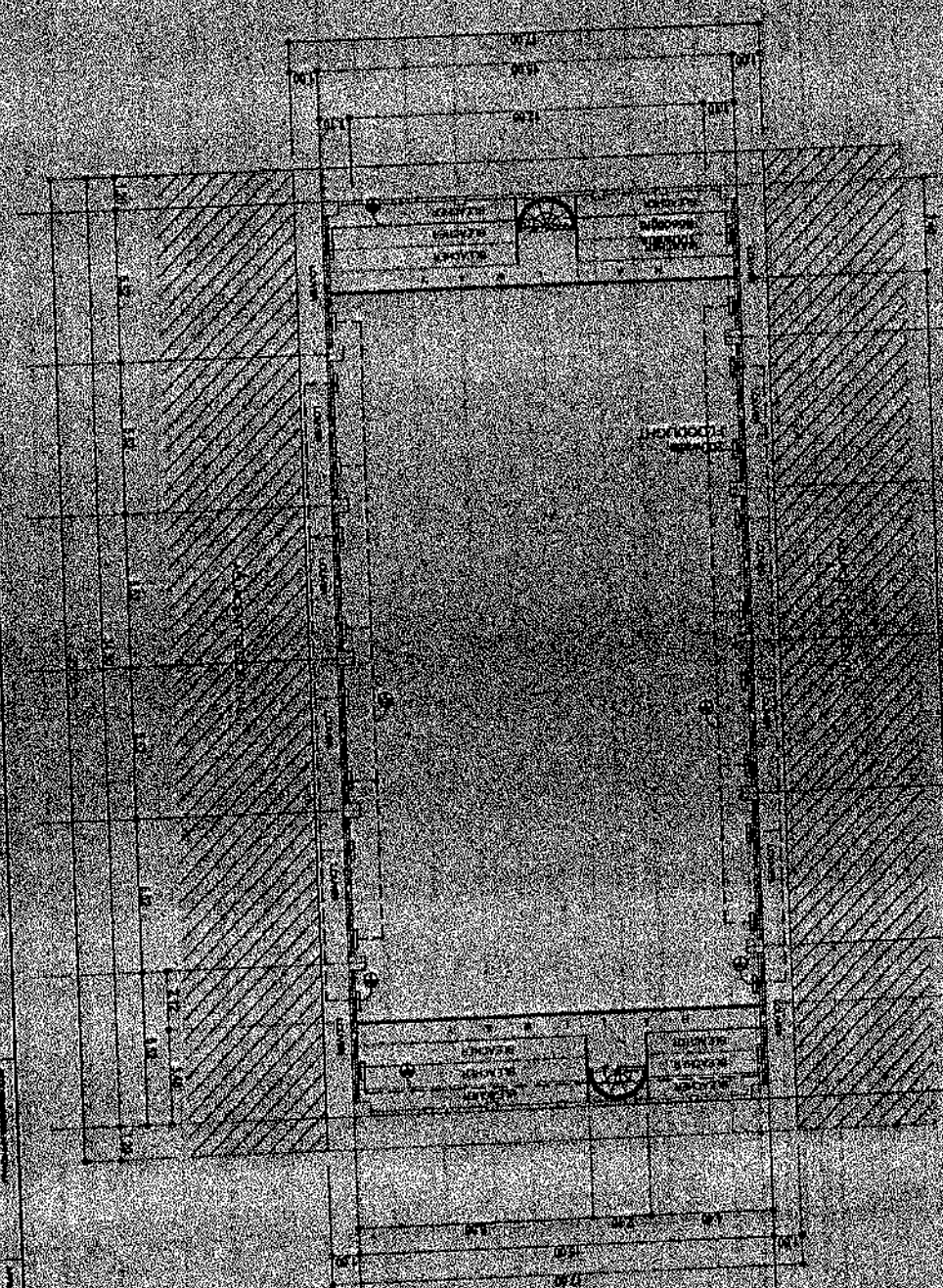
DATE: 10/15/11
BY: [Signature]

DATE: 10/15/11
BY: [Signature]

DATE: 10/15/11
BY: [Signature]

DATE: 10/15/11
BY: [Signature]

DATE: 10/15/11
BY: [Signature]



UPPER BALCONY
LIGHTING PLAN



DATE: 10/15/11
BY: [Signature]

MECHANICAL NOTES

IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE FITTINGS, VALVES, HANGERS, SUPPORTS, ETC. ALL SUCH ITEMS WHETHER SPECIFICALLY MENTIONED OR NOT, INDICATED ON THE DRAWINGS SHALL BE OBTAINED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM TO THE SATISFACTION OF THE ENGINEER AND THE OWNER.

CONTRACTOR SHALL BE RESPONSIBLE IN VERIFYING AND COORDINATING THE FOLLOWING INFORMATION WITH MANUFACTURER'S DATA AND REQUIREMENTS:
 1. FLOOR AND WALL OPENINGS
 2. EQUIPMENT PAUPER DETAILS

CONDENSATE DRAIN PIPES SHALL BE TAPPED TO NEAREST DOWNSPOUT OR DRAIN CONNECTION AND SHALL RUN AT 1% SLOPE.

ALL STRUCTURAL AND ARCHITECTURAL FINISHES DAMAGED DURING THE COURSE OF WORK SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR AS APPROVED BY OWNER.

ALL INSULATED MECHANICAL PIPES THAT ARE EXPOSED SHALL BE GLAZED WITH ALUMINUM SHEET OR MACHINESHOP FABRICATED.

CONTRACTOR SHOULD BE FAMILIAR WITH THE ACTUAL SITE CONDITION AND INSTALLATION TO VERIFY THE WORK IS IN CONFORMANCE TO MANUFACTURER'S RECOMMENDATION AND SHOULD RECTIFY WORK NON-COMFORMANCE IF SUCH CONDITION EXIST.

ALL MECHANICAL EQUIPMENT & INSTALLATION SHOULD STRICTLY COMPLY WITH THE MECHANICAL EQUIPMENT RECOMMENDED INSTALLATION & ACCEPTABLE STANDARDS.

ANY ADJUSTMENT FOR EQUIPMENT RELOCATION AT SITE THAT WILL DEVIATE FROM THE PLANS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY ENGINEER OR CONSULTANT.

MECHANICAL EQUIPMENT SCHEDULE

VENTILATION EQUIPMENT

ITEM DESCRIPTION AND QUANTITY	FLOOR	TYPE OF VENTILATION	ELECTRICAL DATA	REMARKS
INDUSTRIAL WALL EXHAUST FAN WITH SHUTTER	GROUND FLOOR	INDUSTRIAL WALL FAN	220 1φ 60	PROVIDE SUPPORT AND ENGINEER FOR EXHAUST MOTOR TO AVOID WATER LEAK AND ANY OTHER DAMAGE OF THE EQUIPMENT.
INDUSTRIAL WALL EXHAUST FAN WITH SHUTTER	GROUND FLOOR	INDUSTRIAL WALL FAN	220 1φ 60	PROVIDE SUPPORT.
INDUSTRIAL WALL EXHAUST FAN WITH SHUTTER	SECOND FLOOR	INDUSTRIAL WALL FAN	220 1φ 60	PROVIDE SUPPORT AND ENGINEER FOR EXHAUST MOTOR TO AVOID WATER LEAK AND ANY OTHER DAMAGE OF THE EQUIPMENT.
INDUSTRIAL WALL EXHAUST FAN WITH SHUTTER	SECOND FLOOR	INDUSTRIAL WALL FAN	220 1φ 60	PROVIDE SUPPORT.



OFFICE OF THE MAYOR
 ENGINEERING DEPARTMENT
 Annapolis, MD, 21401

CONTRACTOR OF THE PROJECT
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.

DATE: 10/15/2013

PROJECT: [Illegible]

SCALE: [Illegible]

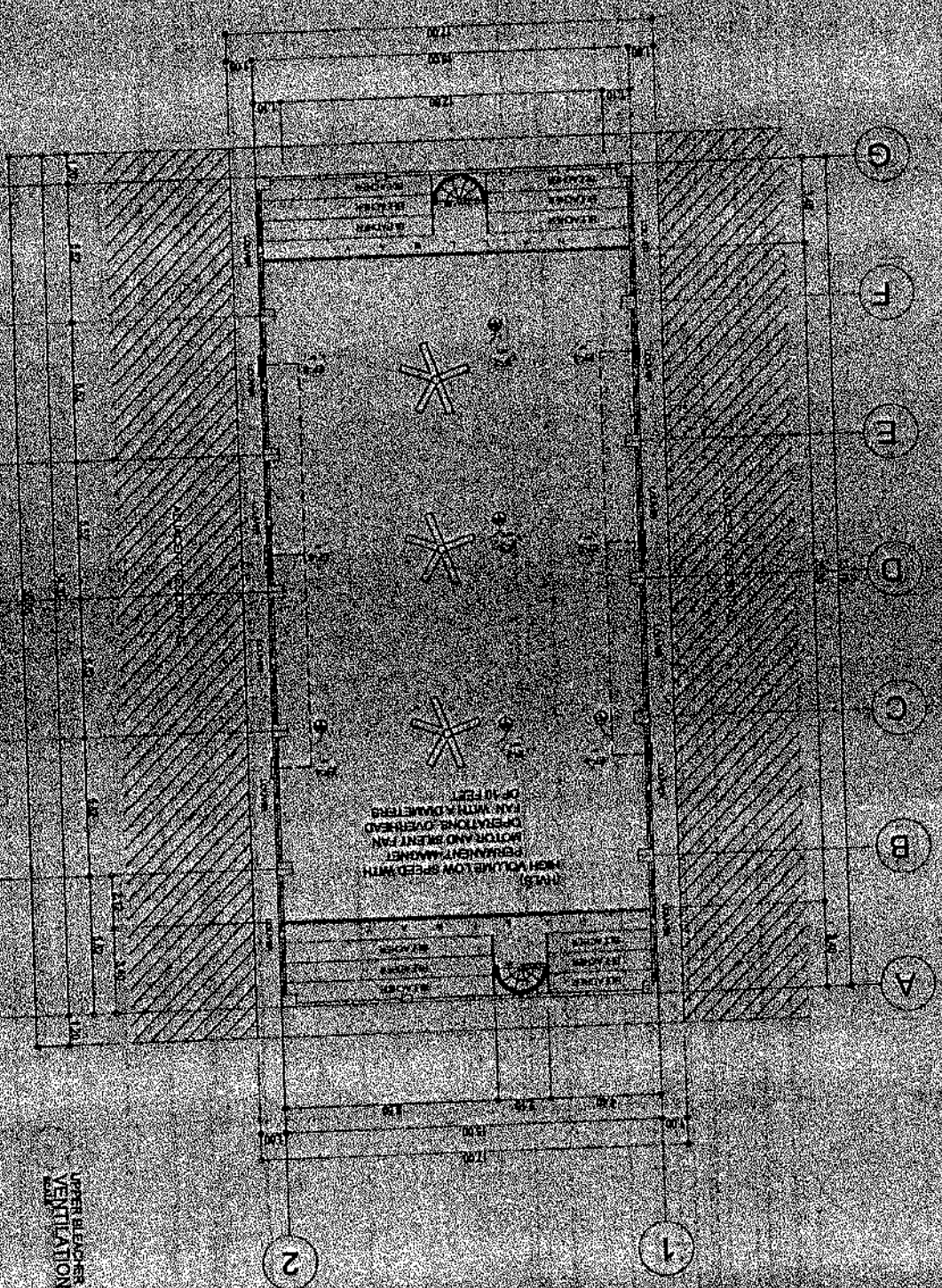
AS SHOWN





OFFICE OF THE ENGINEER
 ENGINEERING DEPARTMENT
 ARCHITECTURAL OFFICE

PROJECT NO. 100-10000
 TITLE: UPPER FLOOR PLAN
 DRAWING NO. E-110
 DATE: 10/1/50
 SCALE: AS SHOWN

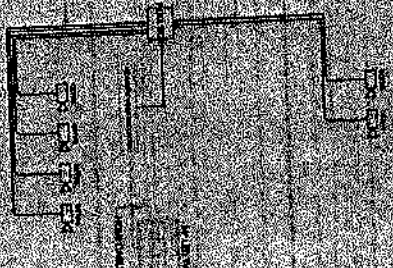


UPPER FLOOR PLAN
 VENTILATION LAYOUT

E-110

CCTV NOTES AND SPECIFICATIONS

1. ALL ELECTRONIC WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PRECISE ELECTRICIAN'S CODE.
2. ALL ELECTRONIC WORKS AND INSTALLATION SHALL BE PERFORMED UNDER THE STRICT SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER OR ELECTRICAL SUPERVISOR.
3. ALL MATERIALS TO BE USED AND EQUIPMENT (CCTV) WITH MUST BE OF HIGH QUALITY AND CONFORMS TO THE INDUSTRY STANDARD.
4. INSTALLING PARTY SHOULD CONSULT THE OWNER AND OTHER TRADES WORKING IN THE SITE TO PROTECT SCHEDULED AND MECHANICAL WORKING SCHEDULES.
5. PLANS AS DRAWN ARE BASED UPON THE ARCHITECTURAL PLAN AND DETAILS THEREON IS DIAGNOSTICALLY DO NOT SCALE SHOWN. ALL FITTINGS, THE LOCATION OF CCTV AND OTHER EQUIPMENT IS APPROXIMATE.
6. SHOULD THE CABLEING OF CCTV BE INSTALLED IN A CONDUIT (CCTV) CABLEING MUST BE REPAIRED AND NOT JOINED WITH POWER CABLEING.
7. MOUNTING OF THE CCTV SHOULD BE IN A MANNER THAT IT IS NOT OBSTRUCTED AND MOUNTING HEIGHT SHOULD NOT BE LOW AND TO HIGH TO MAXIMIZE THE FIELD OF VIEW BUT NOT DEGRADE THE IMAGE QUALITY.
8. USE A MINIMUM OF SUB-EQUIPMENT CAMERA WITH PROTECTION WITH A SENSOR OF CCD/CMOS.
9. CCTV CAMERA LENS SPECIFICATIONS:
 - a. 2mm MINIMUM DIAMETER OF CCTV CAMERA LENS FOR WIDE VIEW
 - b. 12mm MINIMUM DIAMETER OF CCTV CAMERA LENS FOR NARROW VIEW
10. ALL EQUIPMENT AND DEVICES MUST BE LISTED.



**RISER DIAGRAM
CLOSED-CIRCUIT TELEVISION SYSTEM**



OFFICE OF THE ALDERMAN
ENGINEERING DEPARTMENT
MUNICIPAL OFFICE

APPROVED FOR THE CITY OF CHICAGO
DIRECTOR OF PUBLIC WORKS
AND TECHNICAL SERVICES
COMMUNITY DEVELOPMENT

APPROVED FOR THE CITY OF CHICAGO
DIRECTOR OF PUBLIC WORKS
AND TECHNICAL SERVICES
COMMUNITY DEVELOPMENT

APPROVED FOR THE CITY OF CHICAGO
DIRECTOR OF PUBLIC WORKS
AND TECHNICAL SERVICES
COMMUNITY DEVELOPMENT

APPROVED FOR THE CITY OF CHICAGO
DIRECTOR OF PUBLIC WORKS
AND TECHNICAL SERVICES
COMMUNITY DEVELOPMENT

APPROVED FOR THE CITY OF CHICAGO
DIRECTOR OF PUBLIC WORKS
AND TECHNICAL SERVICES
COMMUNITY DEVELOPMENT





ENGINEERING DEPARTMENT

OFFICE OF THE MAYOR
CITY OF PALM BEACH

REVISIONS
1. AS SHOWN
2. AS SHOWN

CONSTRUCTION OF THE ROOF
AND INTERIOR FINISHES
CONFORM TO THE

REQUIREMENTS OF THE
PALM BEACH COUNTY
ZONING ORDINANCES

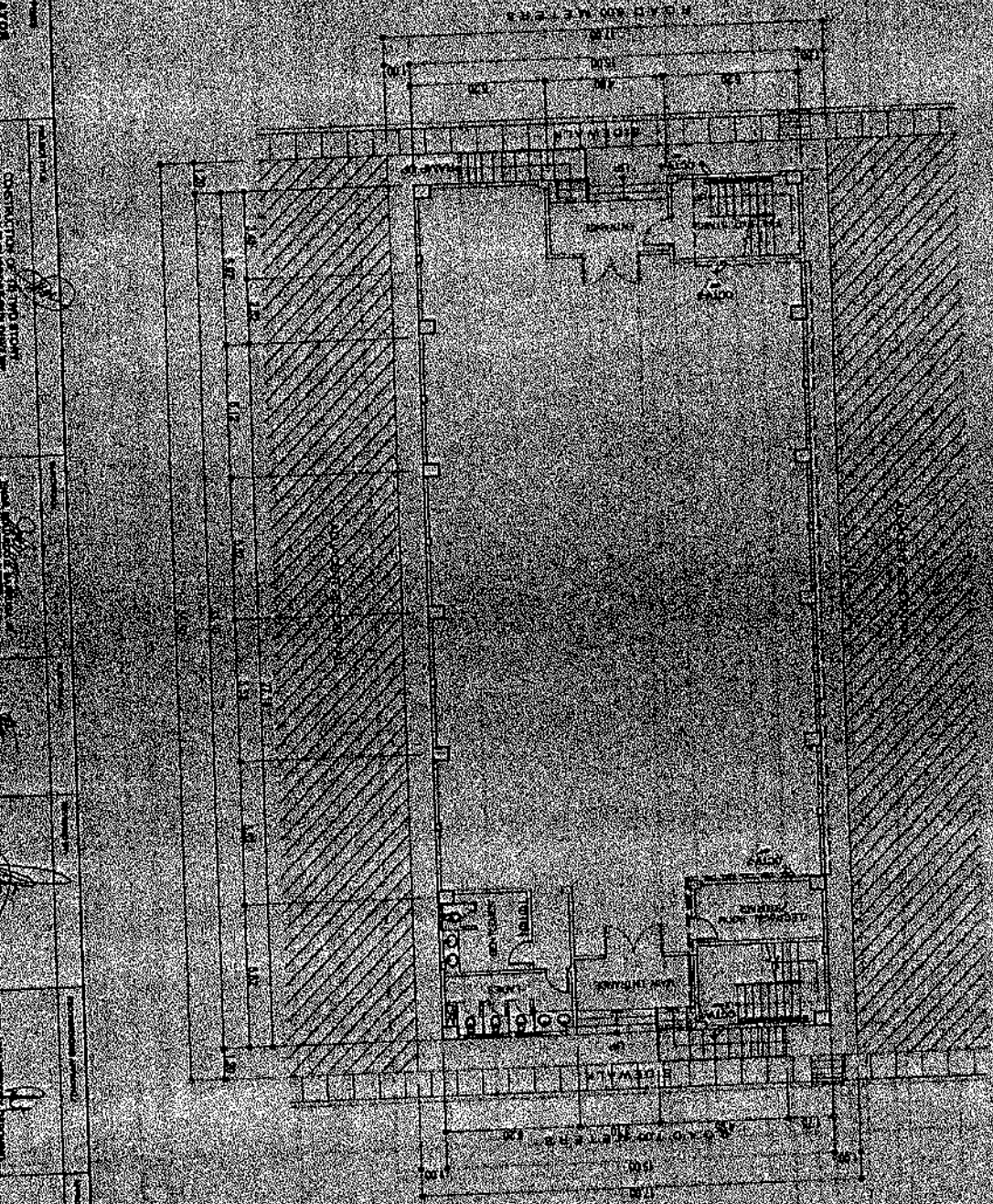
APPROVED FOR CONSTRUCTION
BY THE ENGINEERING DEPARTMENT

APPROVED FOR CONSTRUCTION
BY THE ENGINEERING DEPARTMENT

APPROVED FOR CONSTRUCTION
BY THE ENGINEERING DEPARTMENT

APPROVED FOR CONSTRUCTION
BY THE ENGINEERING DEPARTMENT

APPROVED FOR CONSTRUCTION
BY THE ENGINEERING DEPARTMENT



GROUND FLOOR PLAN
SITE LAYOUT

AS SHOWN





OFFICE OF THE REGISTERED PROFESSIONAL ENGINEERS
 ENGINEERING DEPARTMENT
 ARCHITECTURAL DIVISION

1. This plan is to be used for the construction of the building shown hereon and for no other purpose.
 2. The owner is to be held responsible for the accuracy of the data furnished for this plan.
 3. The engineer is not responsible for the construction of the building shown hereon.

4. The engineer is not responsible for the construction of the building shown hereon.
 5. The engineer is not responsible for the construction of the building shown hereon.

6. The engineer is not responsible for the construction of the building shown hereon.
 7. The engineer is not responsible for the construction of the building shown hereon.

8. The engineer is not responsible for the construction of the building shown hereon.
 9. The engineer is not responsible for the construction of the building shown hereon.

10. The engineer is not responsible for the construction of the building shown hereon.
 11. The engineer is not responsible for the construction of the building shown hereon.

12. The engineer is not responsible for the construction of the building shown hereon.
 13. The engineer is not responsible for the construction of the building shown hereon.

CONSTRUCTION OF THE SECOND FLOOR
 BUILDING SHOWN HEREON IS
 COVERED OVER

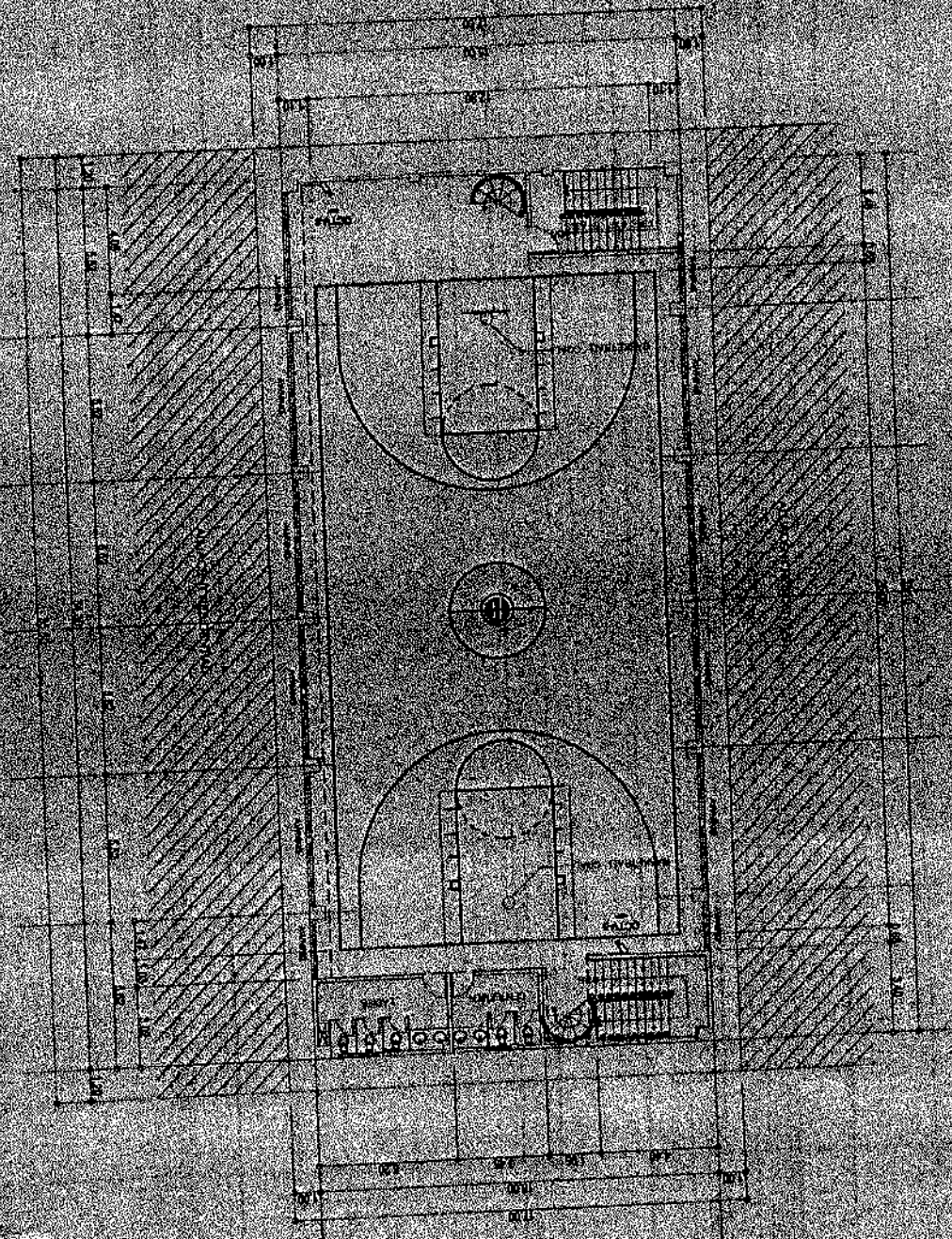
DATE: 10/10/1911

BY: [Signature]

FOR: [Signature]

ATTEST: [Signature]

JAS. SHOWN



SECOND FLOOR PLAN
 OF THE BUILDING



OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT

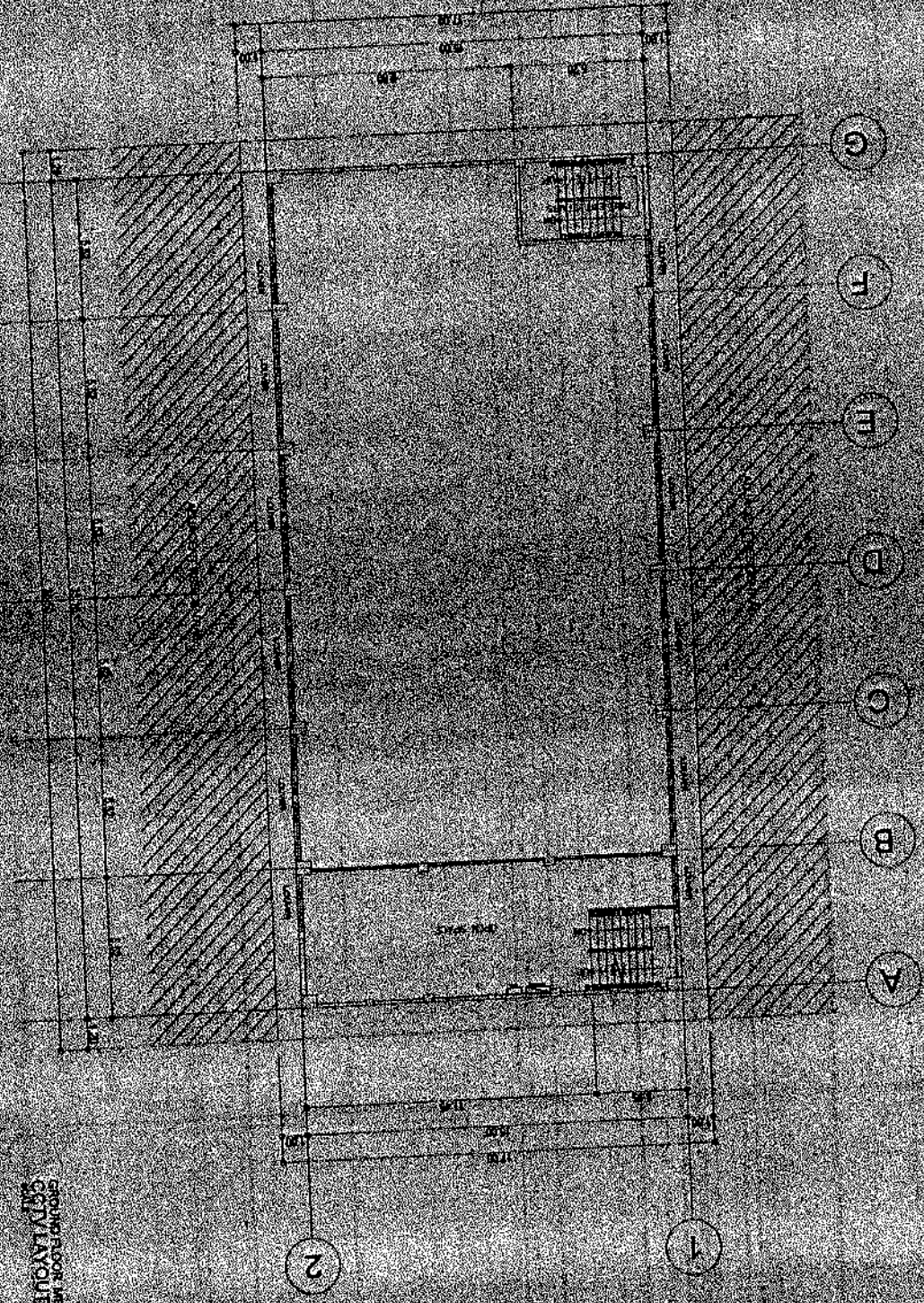
APPROVED FOR THE CITY OF BOSTON
BY THE BOARD OF ARCHITECTURE
ON BEHALF OF THE BOARD OF ARCHITECTURE
AND ENGINEERS

APPROVED FOR THE CITY OF BOSTON
BY THE BOARD OF ARCHITECTURE
AND ENGINEERS

APPROVED FOR THE CITY OF BOSTON
BY THE BOARD OF ARCHITECTURE
AND ENGINEERS

APPROVED FOR THE CITY OF BOSTON
BY THE BOARD OF ARCHITECTURE
AND ENGINEERS

APPROVED FOR THE CITY OF BOSTON
BY THE BOARD OF ARCHITECTURE
AND ENGINEERS



GROUND FLOOR MEZZANINE PLAN
STYLAOULI



AT 3000000



CITY OF ST. LOUIS
 OFFICE OF THE MAYOR
 ENGINEERING DEPARTMENT

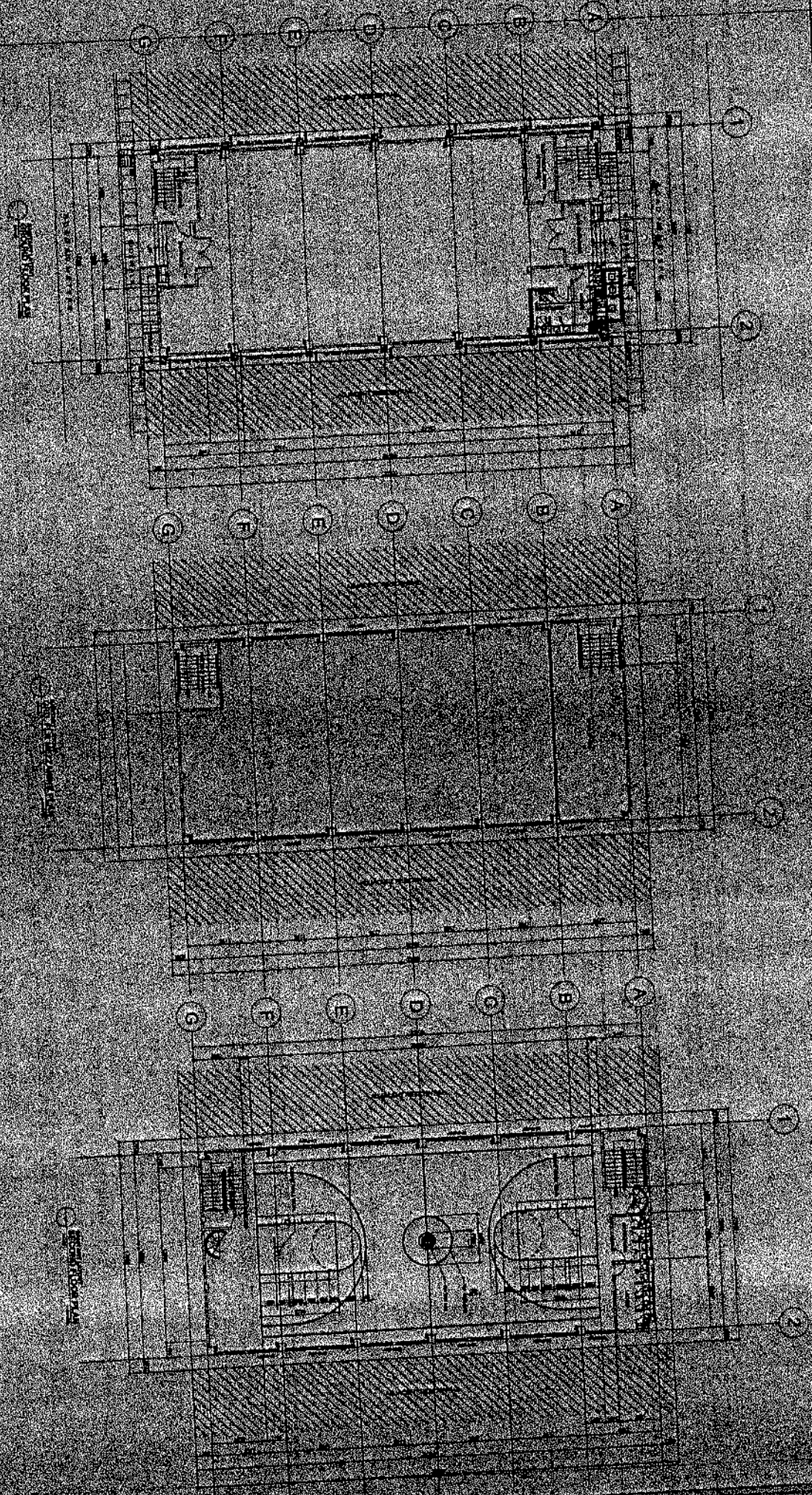
CONSTRUCTION OF TWO STORIES
 MULTIFAMILY RESIDENTIAL BUILDING IN
 COVERED COURT

DATE: 11/15/11
 DRAWN BY: [Name]
 CHECKED BY: [Name]

SCALE: AS SHOWN
 SHEET NO. 1 OF 1

DATE: 11/15/11
 DRAWN BY: [Name]
 CHECKED BY: [Name]

DATE: 11/15/11
 DRAWN BY: [Name]
 CHECKED BY: [Name]





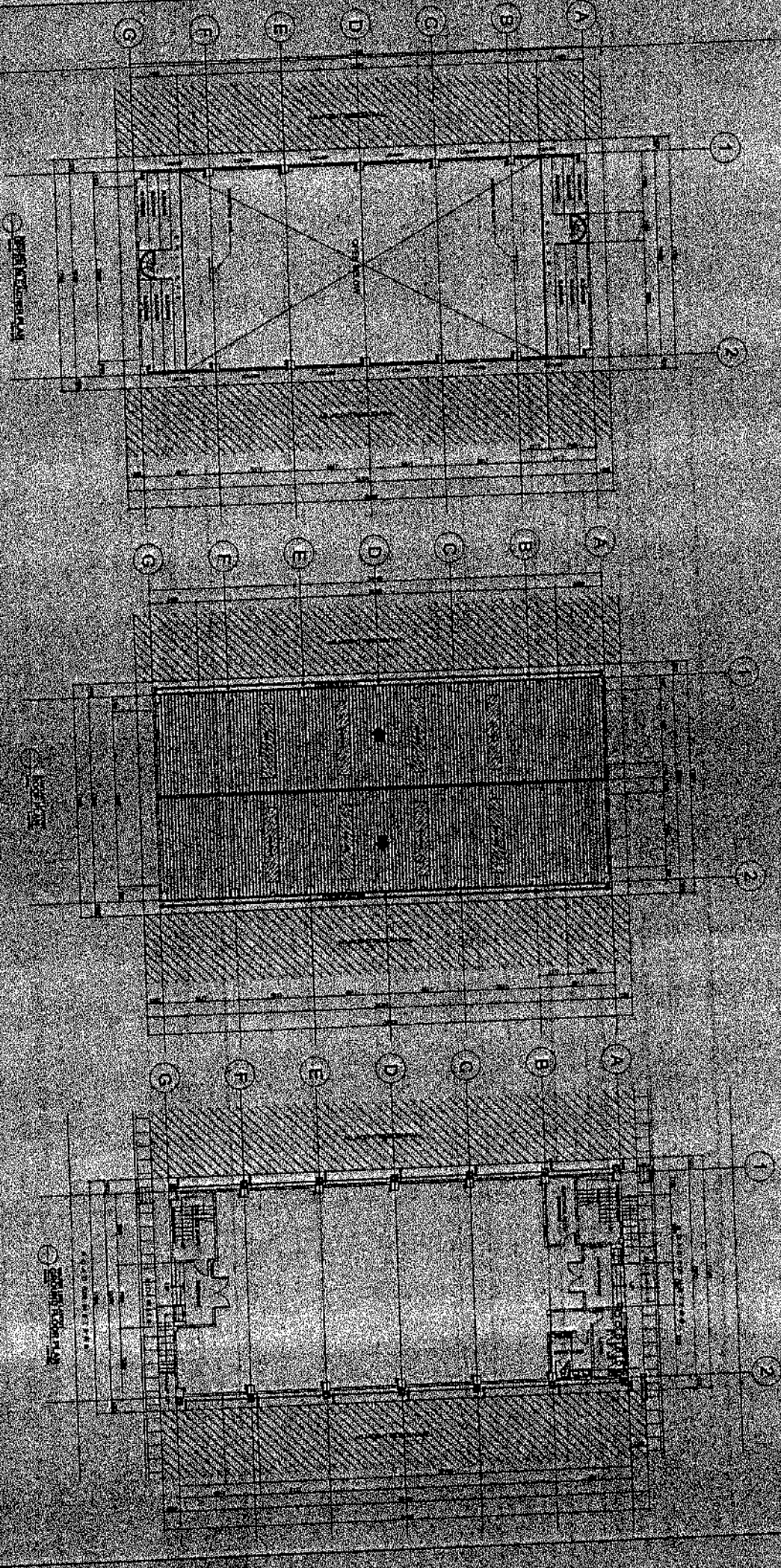
OFFICE OF THE ENGINEER
ENGINEERING DEPARTMENT

CONSTRUCTION OF A TWO STORY
MILK PURCHASE BUILDING WITH
COVERED COURT

WEST LANSING, MICHIGAN

STATE ARCHITECT'S OFFICE
OF CONSTRUCTION DEPARTMENT

WEST LANSING, MICHIGAN



Scale: 1/4" = 1'-0"

Notes:

1. See specification for details of construction.
2. See specification for details of construction.
3. See specification for details of construction.
4. See specification for details of construction.
5. See specification for details of construction.
6. See specification for details of construction.
7. See specification for details of construction.
8. See specification for details of construction.
9. See specification for details of construction.
10. See specification for details of construction.
11. See specification for details of construction.
12. See specification for details of construction.
13. See specification for details of construction.
14. See specification for details of construction.
15. See specification for details of construction.
16. See specification for details of construction.
17. See specification for details of construction.
18. See specification for details of construction.
19. See specification for details of construction.
20. See specification for details of construction.



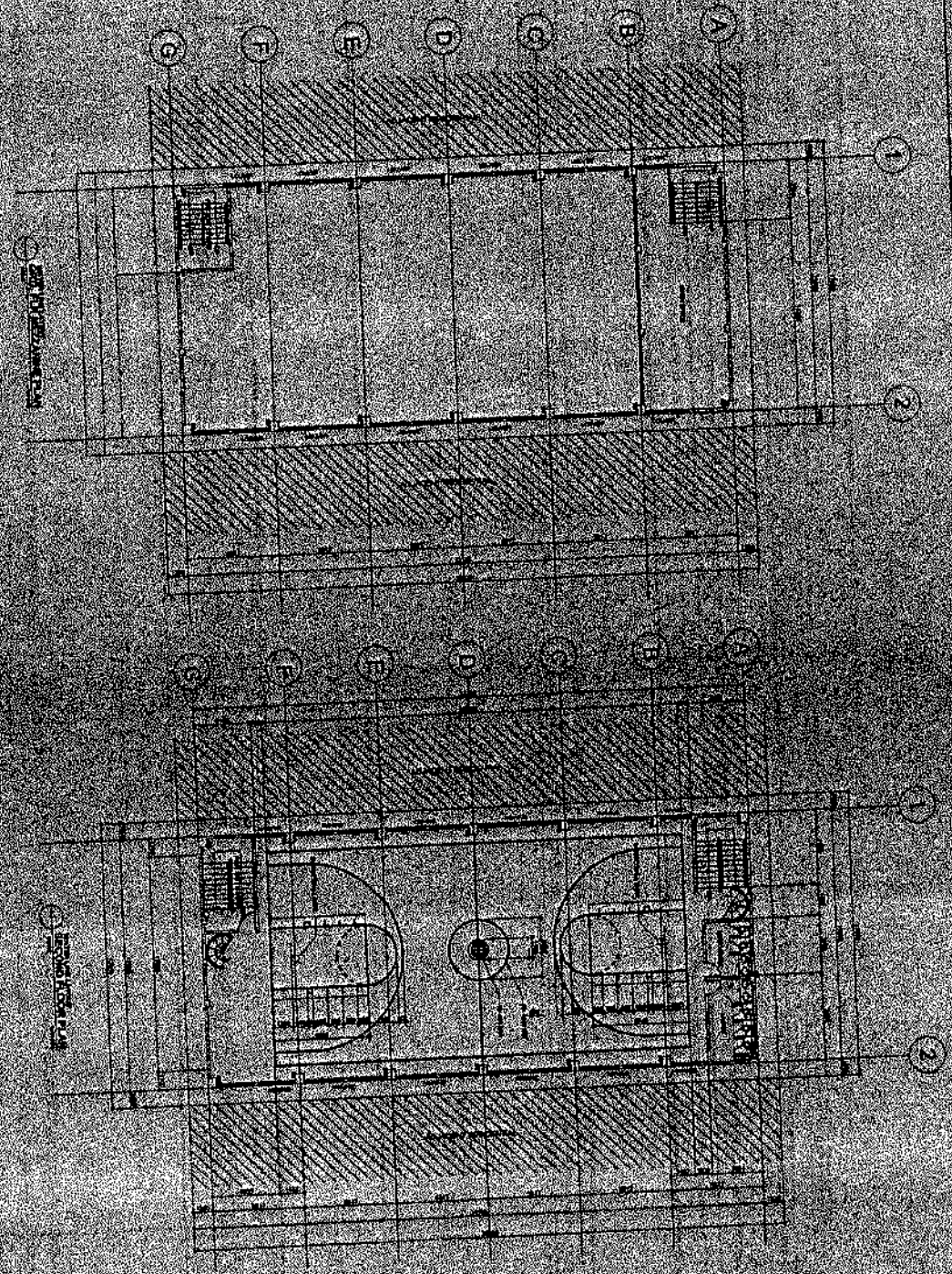
OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT

CONSTRUCTION OF
MILITARY CASERNE

ENGINEERING DEPARTMENT

ENGINEERING DEPARTMENT

ENGINEERING DEPARTMENT



DATE	1917
SCALE	1/4" = 1'-0"
PROJECT	CONSTRUCTION OF MILITARY CASERNE
DESIGNED BY	[Signature]
CHECKED BY	[Signature]
APPROVED BY	[Signature]



OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT

CONSTRUCTION OF A SIX STORY
MULTI-PURPOSE BUILDING IN
CITY OF LOS ANGELES

DESIGNED BY
[Signature]

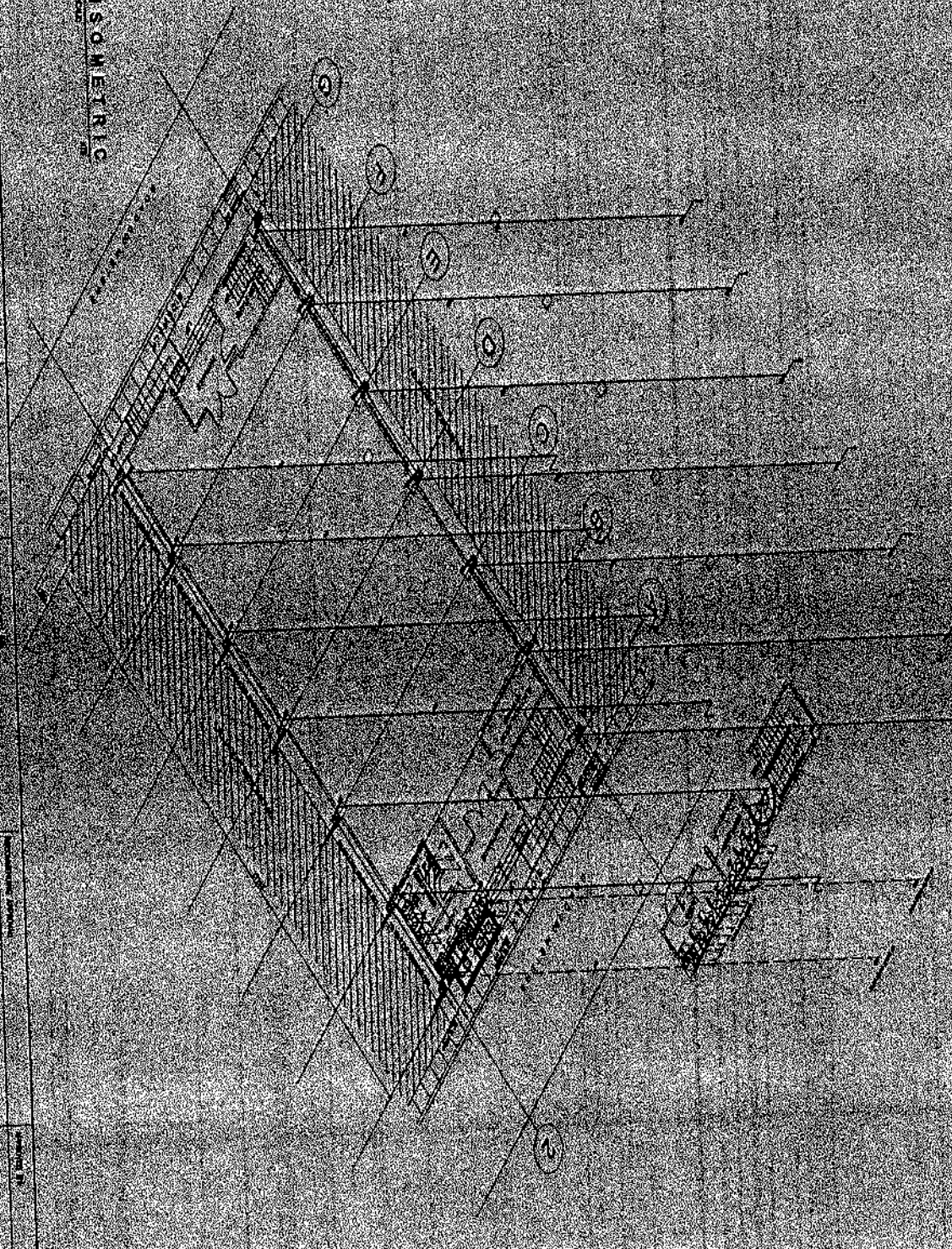
CHECKED BY
[Signature]

DATE APPROVED
[Signature]

BY THE ENGINEER



ISOMETRIC





OFFICE OF THE MAYOR
ENGINEERING DEPARTMENT

CONSTRUCTION OF ROADS, STREETS,
AND SIDEWALKS IN
COVERED COURTS

DESIGNED BY
ENGINEER

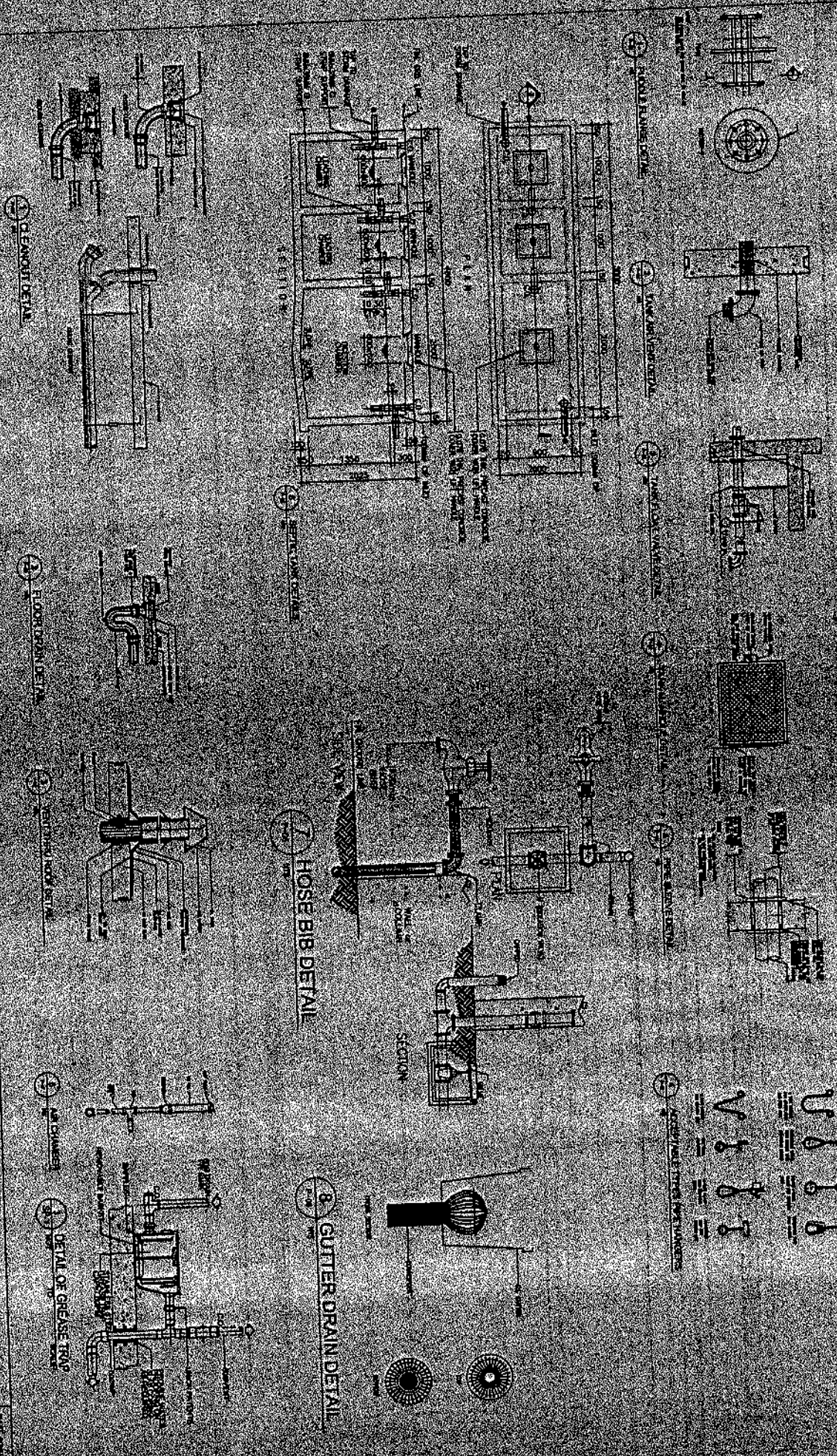
APPROVED BY
CITY ENGINEER

DATE APPROVED
BY ENGINEER

DATE APPROVED
BY CITY ENGINEER

WATER & SEWERAGE
DIVISION

NO. 1000



U.S. PATENT OFFICE
REGISTERED TRADE MARK

Section VIII. Bill of Quantities

BID FORM

Date : _____

Project Identification No. : _____

To: **THE CHAIRMAN
BIDS AND AWARDS COMMITTEE
PASIG CITY**

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

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT AT E. SANTOS ST., BRGY. PALATIW, PASIG CITY;**

b. We offer to execute the Works for this Contract in accordance with the PBDs;

c. The total price of our Bid in words and figures, excluding any discounts offered below is: _____ (P _____)

d. The discounts offered and the methodology for their application are: _____;

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 _____ (P _____) percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹² for this purpose;

h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

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

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT AT E. SANTOS ST., BRGY. PALATIW, PASIG CITY** of the **Bids and Awards Committee (B.A.C.) Pasig City**

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

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

Date: _____

SUBJECT : **BILL OF QUANTITIES / COST ESTIMATE**

NAME OF PROJECT : **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT**

LOCATION : **E. SANTOS ST., BRGY. PALATIW, PASIG CITY**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
1.0	Mobilization & Demobilization _____ (Pesos _____) _____)	1.00	lot		
2.0	Preliminaries _____ (Pesos _____) _____)		l.s		
3.0	Earthworks _____ (Pesos _____) _____)		l.s		
4.0	Formworks and Scaffolding _____ (Pesos _____) _____)		l.s		
5.0	Concrete Works _____ (Pesos _____) _____)		l.s		
6.0	Reinforcement (Grade 60) _____ (Pesos _____) _____)		l.s		
7.0	Structural Steel Works _____ (Pesos _____) _____)		l.s		
Total Amount in Words: _____					
GRAND TOTAL					

(Name & Address of Bidder)

(Signature)

(Name, Designation of Authorized Signing Official)

SUBJECT : **BILL OF QUANTITIES / COST ESTIMATE**

NAME OF PROJECT : **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT**

LOCATION : **E. SANTOS ST., BRGY. PALATIW, PASIG CITY**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
8.0	Roof Framing and Roofing _____ (Pesos _____)		l.s		
9.0	Masonry / Finishing Works _____ (Pesos _____)		l.s		
10.0	Painting Works _____ (Pesos _____)		l.s		
11.0	Doors and Windows _____ (Pesos _____)		l.s		
12.0	Special Items _____ (Pesos _____)		l.s		
13.0	Lift Enclosure _____ (Pesos _____)		l.s		
14.0	Elevator Lift _____ (Pesos _____)	1.00	set		
Total Amount in Words: _____					
GRAND TOTAL					

(Name & Address of Bidder)

(Signature)

(Name, Designation of Authorized Signing Official)

SUBJECT : **BILL OF QUANTITIES / COST ESTIMATE**

NAME OF PROJECT : **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT**

LOCATION : **E. SANTOS ST., BRGY. PALATIW, PASIG CITY**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
15.0 15.1	Electrical Works Panel Board and Breakers (Pesos _____)		ls		
15.2	Fixtures, Outlets and Devices (Pesos _____)		ls		
15.3	Wires, Conduits and other Accessories (Pesos _____)		ls		
15.4	Ventilation Equipments (Pesos _____)		ls		
15.5	Closed Circuit Television (CCTV) System (Pesos _____)		ls		
15.6	Electrical Post / Service Entrance (Pesos _____)		ls		
16.0 16.1	Plumbing Works Earthworks (Pesos _____)		ls		
Total Amount in Words: _____					
GRAND TOTAL					

(Name & Address of Bidder)

(Signature)

(Name, Designation of Authorized Signing Official)

SUBJECT : **BILL OF QUANTITIES / COST ESTIMATE**

NAME OF PROJECT : **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT**

LOCATION : **E. SANTOS ST., BRGY. PALATIW, PASIG CITY**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (P)	AMOUNT (P)
16.2	Restoration Works _____ (Pesos _____) _____)		l.s		
16.3	Sewer Lines _____ (Pesos _____) _____)		l.s		
16.4	Repair of Water Lines _____ (Pesos _____) _____)		l.s		
16.5	Plumbing Feature _____ (Pesos _____) _____)		l.s		
16.6	Plumbing Fixture _____ (Pesos _____) _____)		l.s		
16.7	Pumphouse and Restoration _____ (Pesos _____) _____)		l.s		
16.8	Septic Tank (2x3x2) _____ (Pesos _____) _____)		l.s		
Total Amount in Words: _____					
GRAND TOTAL					

(Name & Address of Bidder)

(Signature)

(Name, Designation of Authorized Signing Official)

Section IX. Checklist of Technical and Financial Documents

Republic of the Philippines
BIDS AND AWARDS COMMITTEE
City Government of Pasig

Name of Bidder _____
Name of Contract _____

Approved Budget Contract: _____
Bidding Date _____

(Note: Checklist is to be filled up by the BAC only)

I. TECHNICAL COMPONENT ENVELOPE FOR THE PROCUREMENT OF INFRASTRUCTURE PROJECTS

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Certificate of Platinum Registration and Membership with additional caveat in accordance with Section 8.5.2 of the 2016 Revised IRR of RA 9184 amended through GPPB Resolution No. 15-2021, provided that all of Class "A" eligibility documents submitted to PhilGEPS are maintained and updated;

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; and
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules (Contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB.); and
- (d) Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; and
- (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; and
- (f) Project Requirements, which shall include the following:
- a. Organizational chart for the contract to be bid; and
- 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; and
- c. Duly signed Manpower Schedule; and
- d. 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; and
- e. Equipment utilization schedule; and
- f. Duly signed Construction Schedule (PERT/CPM) and S-curve; and
- g. Duly signed Construction Method in narrative form; and
- h. Construction Safety and Health Program; and
- (g) 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.

Financial Documents

- (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

- (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
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.

NOTE: Any missing document/s on the above mentioned checklist is a ground for outright disqualification/ rejection of the bid.

REMARKS:

PASSED

FAILED

ACKNOWLEDGMENT: (Please see above "note" Do not fill up/sign if documents are marked passed)
This is to acknowledge receipt of the first and second envelopes which is being returned because of disqualification due to deficiencies and non-compliance with checklist therein.

Signature over printed name/Representative of Bidder

Date Received

CHECKED AND VERIFIED BY:

SIGNATURE:

- ATTY. JOSEPHINE C. LATI-BAGAOISAN
Chairperson
- ATTY. DIEGO LUIS S. SANTIAGO
Vice Chairperson
- DR. EMMA MEJIA-SANCHEZ
Member
- DR. JEANNA V. PLES
Member
- ENGR. JOHNNY L. CALATA
Member
- MS. RUTH F. ROMANO
Member
- DR. STUART G. SANTOS
Member

Attested by:

ATTY. PONCE MIGUEL D. LOPEZ
Officer in Charge, Procurement Management Office

**Republic of the Philippines
BIDS AND AWARDS COMMITTEE
City Government of Pasig**

Name of Bidder : _____
 Name of Contract : _____
 Approved Budget Contract: _____
 Bidding Date : _____

(Note: Checklist is to be filled up by the BAC only)

II. FINANCIAL COMPONENT ENVELOPE FOR THE PROCUREMENT OF INFRASTRUCTURE PROJECTS

- (j) Original of duly signed and accomplished Financial Bid Form; and
Other documentary requirements under RA No. 9184
- (k) Original of duly signed Bid Prices in the Bill of Quantities; and
- (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; and
- (m) Cash Flow by Quarter.

NOTE:
 Any missing document/s on the above mentioned checklist is a ground for outright disqualification/ rejection of the bid.

REMARKS: PASSED FAILED

ACKNOWLEDGMENT: (Please see above "note" Do not fill up/sign if documents are marked passed)
 This is to acknowledge receipt of the first and second envelopes which is being returned because of disqualification due to deficiencies and non-compliance with checklist therein.

 Signature over printed name/Representative of Bidder _____
 Date Received

CHECKED AND VERIFIED BY:

SIGNATURE:

- ATTY. JOSEPHINE C. LATI-BAGAOISAN**
Chairperson
- ATTY. DIEGO LUIS S. SANTIAGO**
Vice Chairperson
- DR. EMMA MEJIA-SANCHEZ**
Member
- DR. JEANNA V. PLES**
Member
- ENGR. JOHNNY L. CALATA**
Member
- MS. RUTH F. ROMANO**
Member
- DR. STUART G. SANTOS**
Member

Attested by:

ATTY. PONCE MIGUEL D. LOPEZ
 Officer in Charge, Procurement Management Office

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:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹² for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute

¹² currently based on GPPB Resolution No. 09-2020

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].

- I. 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]* Insert Title

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

I/We, the undersigned, declare that:

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

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

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

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

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]
Affiant

[Jurat]

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

NFCC COMPUTATION FOR ELIGIBILITY CHECK

A. Summary of the Applicant Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year and a certified copy of Schedule of Fixed Assets particularly the list of construction equipment.

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

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

NFCC= [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, conciding with the contract to be bid.

The values of the domestic bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements (AFS) submitted to the BIR.

The Bidder shall attach the AFS to the NFCC Computation for Eligibility Check Form.

NFCC=P _____

Submitted by:

Name of Supplier/Distributor/Manufacturer

Signature of Authorized Representative

Date: _____

MARKING AND SEALING OF BIDS



PPWA

