

# PHILIPPINE BIDDING DOCUMENTS



**Name of Project/Location : Proposed Two (2)  
Storey Multi-Purpose Building with  
Covered Court at Countryside Ave., Brgy.  
Sta. Lucia, 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.

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# *Glossary of Terms, Abbreviations, and Acronyms*

**ABC** – Approved Budget for the Contract.

**ARCC** – Allowable Range of Contract Cost.

**BAC** – Bids and Awards Committee.

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

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

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

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**CDA** – Cooperative Development Authority.

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

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

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

**CPI** – Consumer Price Index.

**DOLE** – Department of Labor and Employment.

**DTI** – Department of Trade and Industry.

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

**GFI** – Government Financial Institution.

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

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

**GOP** – Government of the Philippines.

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

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PCAB** – Philippine Contractors Accreditation Board.

**PhilGEPS** - Philippine Government Electronic Procurement System.

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

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**UN** – United Nations.





## *Section I. Invitation to Bid*

### Invitation to Bid for **Proposed Two (2) Storey Multi-Purpose Building with Covered Court at Countryside Ave., Brgy. Sta. Lucia, 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 **Proposed Two (2) Storey Multi-Purpose Building with Covered Court at Countryside Ave., Brgy. Sta. Lucia, 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 Conference<sup>1</sup> on **July 24, 2023, 1:30 P.M.,** at **7<sup>th</sup> 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 **7<sup>th</sup> 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), 4<sup>th</sup> 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, 4<sup>th</sup> 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 **Proposed Two (2) Storey Multi-Purpose Building with Covered Court at Countryside Ave., Brgy. Sta. Lucia, Pasig City**, with Project Identification Number **PB-08-07-2023-01**.

*[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 : Proposed Two (2) Storey Multi-Purpose Building with Covered Court  
at Countryside Ave., Brgy. Sta. Lucia, Pasig City

Date : July 17, 2023

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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 (1<sup>st</sup>) Envelope containing one (1) hardcopy of the ORIGINAL Technical Component, including the Eligibility Requirements. 1<sup>st</sup> Envelope shall be sealed and labeled as "ORIGINAL TECHNICAL COMPONENT".*

2. *Submit Second (2<sup>nd</sup>) Envelope containing one (1) hard copy of the ORIGINAL Financial Component. 2<sup>nd</sup> 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 1<sup>st</sup> Envelope, 2<sup>nd</sup> 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 (1<sup>st</sup> Envelope, 2<sup>nd</sup> 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, 4<sup>th</sup> Floor Pasig City Hall.

- Proceed to City Treasurer's Office, 1<sup>st</sup> 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, 4<sup>th</sup> 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 7<sup>th</sup> 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 License</u> at least Category: <u>General Building-B</u>			
10.4	The key personnel must meet the required minimum years of experience set below:			
	<b>KEY PERSONNEL</b>	<b>QTY</b>	<b>GENERAL EXPERIENCE</b>	<b>RELEVANT EXPERIENCE</b>
	Project Manager (PM)/ Civil Engineer	1	Licensed Civil Engineer	With a minimum of five (5) years relevant work experience as Project Manager in Building Construction
	Professional Electrical Engineer	1	Professional Electrical Engineer	With a minimum of five (5) years relevant work experience as P.E.E in Building Construction
	Safety Officer/ First Aider	1	DOLE Accredited COSH	With a minimum of three (3) years in Building Construction projects handled as Safety Officer
	Master Plumber	1	Licensed Master Plumber	With a minimum of three (3) years experience in Building Construction projects handled as Master Plumber
	Foreman	1	At least two (2) years experience	At least two (2) years experience in Building Construction

			projects handled as Foreman
	Additional Manpower - Skilled	At least one (1) year experience	As required
	- Laborer	At least one (1) year experience	As required
10.5	The minimum major equipment requirements are the following: <u>Equipment</u> <u>Capacity</u> <u>Number of Units</u>		
	<b>EQUIPMENT</b>	<b>CAPACITY</b>	<b>NUMBER OF UNITS</b>
	Elf	As required	1
	Telescopic Crane	As required	1
	Backhoe	As required	1
	Minor Tools	n/a	As required
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: <b>General Building-B</b> and Registration of at least <b>Medium A- Building and Industrial Plant</b>  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*



**PASIG**

OFFICE OF THE CITY ENGINEER

**CITY ENGINEERING**

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Name of Project : **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED CC**  
 Location : **Courtside Ave., Brgy. Sta. Lucia, Pasig City**

Source of Funds : \_\_\_\_\_  
 Issued Obligated Author : \_\_\_\_\_  
 Calendar Days to Complete : \_\_\_\_\_  
 Desirable Starting Date : \_\_\_\_\_

MINIMUM EQUIPMENT REQUIREMENT				TECHNICAL PERSONNEL	
DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.
				CIVIL ENGINEER	1
				MASTER PLUMBER	1
				SAFETY OFFICER	1

**ESTIMATED COST OF PROPOSED WORK:**

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
1.0	<b>MOBILIZATION / DEMOBILIZATION</b>	0.89%	1.00	lot		
2.0	<b>PRELIMINARIES</b>					
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	mas.		
2.4	- Dismantling and Hauling of Existing Covered Court		604.00	sq.m		
2.5	- Water and Electricity consumption		12.00	mas.		
2.6	- Soil Testing		2.00	holes		
		3.32%				
3.0	<b>EARTHWORKS</b>					
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	- Sheet piling / Shoring Protection and Dewatering		105.00	lm		
3.6	- Gravel Bedding		103.00	cu.m		
3.7	- Filling Materials/Compaction		398.00	cu.m		
		3.86%				
4.0	<b>FORMWORKS AND SCAFFOLDING</b>					
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		681.00	sq.m		
4.10	- Stripping of Forms		2,337.00	sq.m		
		7.09%				
5.0	<b>CONCRETE WORKS</b>					
5.1	- Ready Mix Concrete (4000 psi - 14Days)		579.00	cu.m		
5.2	- Rental of Pumpcrete		12.00	sets		
		9.99%				
6.0	<b>REINFORCEMENTS (GRADE 60)</b>					
	- 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		
	- #16 GI Tie Wire		15.00	kls		
	- Oxy-acetylene / Cutting Outfit		1.00	set		
		15.92%				
7.0	<b>STRUCTURAL STEEL WORKS</b>					
	- 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		
	- 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		



Name of Project : **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT**  
 Location : **Courtryside Ave., Brgy. Sta. Lucia, Pasig City**

**ESTIMATED COST OF PROPOSED WORK:**

ITEM NO.	DESCRIPTION	% WT	QUANTITY	UNIT	UNIT COST	AMOUNT
	- Rental of Telescopic crane		60.00	days		
		11.88%				
<b>8.0</b>	<b>ROOF FRAMING AND ROOFING</b>					
	- 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%				
<b>9.0</b>	<b>MASONRY / FINISHING WORKS</b>					
	- 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%				
<b>10.0</b>	<b>PAINTING WORKS</b>					
	- 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%				
<b>11.0</b>	<b>DOORS AND WINDOWS</b>					
	- Louver Type Rain Protection (Including Framing)		377.00	sq.m		
	- 6mm thk Tempered Glass on Z bar		153.00	sq.m		
	- Framing Awning window with Grills					
	- Steel Casement Window		2.88	sq.m		
	- Aluminum Powder Coated Frame with		2.00	sets		
	10mm Thk Tempered Glass Door					
	- 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		48.00	sq.m		
	doors (including hardware, headrail, pilaster and pilaster shoes					
	- Fire Rated Doors with Panic Device		2.00	sets		
		6.54%				
<b>12.0</b>	<b>SPECIAL ITEMS</b>					
	- Top most bleacher level railings		30.00	lm		
	(2x2x2.0 GI Tubular, 4 layers, post at every 2m)					
	- 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		2.00	sets		
	w/ Framing and Complete Accs.					
	- Building Marker, Stainless Signage and Logo		1.00	bldg		
	- Laminated Wall soundproofing		360.00	sq.m		
	- Water Proofing		171.00	sq.m		
		5.63%				
<b>13.0</b>	<b>LIFT ENCLOSURE</b>					
	- 6mm Thk Tempered Glass with 3mm Thk		62.20	sq.m		
	Aluminum powder coated finish Framing					
	- 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		3.00	sets		
	opening and Emergency Manual key)					
		3.64%				
<b>14.0</b>	<b>ELEVATOR LIFT</b>					
	- 1.1x1.4x2.2m Cabin, 6mm thk tempered glass enclosure and one		1.00	set		



**PASIG**  
CITY ENGINEERING DEPARTMENT

CITY ENGINEERING DEPARTMENT

Page No. : 3 OF 8

Name of Project : PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT  
Location : Countryside Ave., Brgy. Sta. Lucia, Pasig City

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 (t75 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%				
<b>15.0</b>	<b>ELECTRICAL WORKS</b>					
<b>15.1</b>	<b>PANELBOARD AND BREAKERS</b>					
	- 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 - 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		
	- 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		1.00	assy		





Name of Project : PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT  
Location : Countryside Ave., Brgy. Sta. Lucia, Pasig City

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					
	- MECHANICAL PANELBOARD : (MP-B)		1.00	assy		
	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					
	- 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.		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 9 watts LED lamp, 30t - 40t burning hours, (600 x 600 x 80 mm), 180-264 volts, 150 lumens per lamp or higher.		33.00	pcs		
	- Led Hi-bay, 100 watts, 230V, Daylight, Narrow Beam with 60 degree angle.		14.00	pcs		
	- Led Panel Downlight, 12 watts, Daylight, Indoor Type, Recessed Type, 120lumens per watt.		11.00	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.		20.00	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.		4.00	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		27.00	pcs		
	- Duplex Outlet, 16Amps Rating with grounding universal type, cover plate, wide type, white		30.00	pcs		
	- One Gang Switch, 10Amps rating, with cover plate, wide type, white		10.00	pcs		
	- Two Gang Switch, 10Amps rating, with cover plate, wide type, white		6.00	pcs		
	- Three Way Switch, 10Amps rating, with cover plate, wide type, white		12.00	pcs		
	- Scoreboard with shotclock at basketball hoop board 30"(W)x42"(L)x2" thick, with buzzer complete with wiring		1.00	pcs		
		1.38%				
15.3	WIRES, CONDUITS, AND OTHER ACCESSORIES					
	- 80mm <sup>2</sup> THHN Stranded Wire (Black)		51.00	li. m		
	- 30mm <sup>2</sup> THHN Stranded Wire (Black)		11.00	li. m		
	- 22mm <sup>2</sup> THHN Stranded Wire (White)		28.00	li. m		
	- 14mm <sup>2</sup> THHN Stranded Wire (Black, Green)		95.00	li. m		
	- 8.0mm <sup>2</sup> THHN Stranded Wire (Black, Green)		180.00	li. m		
	- 5.5mm <sup>2</sup> THHN Stranded Wire (Black, Green)		1655.00	li. m		
	- 3.5mm <sup>2</sup> THHN Stranded Wire (Black, Green)		4872.00	li. m		
	- 2.0mm <sup>2</sup> THHN Stranded Wire (Green)		2056.00	li. m		
	- 50mm(2")Ø RSC Pipe x 10ft		3.00	pcs		
	- 50mm(2")Ø PVC Pipe x 10ft. sch. 40		6.00	pcs		
	- 40mm(1 1/2")Ø PVC Pipe x 10ft. sch. 40		2.00	pcs		
	- 32mm(1")Ø PVC Pipe x 10ft. sch. 40		16.00	pcs		



Name of Project : **PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT**  
 Location : **Courtryside Ave., Brgy. Sta. Lucia, Pasig City**

**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 Long Elbow		20.00	pcs		
	- 20mm(1/2")Ø IMC Coupling		29.00	pcs		
	- 1/2" Flexible Metal Conduit, Galvanized Steel		60.00	li. m		
	- 3/4" Mica Tube		2.00	li. m		
	- 1/2" Mica Tube		142.00	li. m		
	- 50mm(2")Ø PVC Male Adapter		1.00	pcs		
	- 40mm(1 1/2")Ø PVC Male Adapter		2.00	pcs		
	- 32mm(1")Ø PVC Male Adapter		6.00	pcs		
	- 25mm(3/4")Ø PVC Male Adapter		2.00	pcs		
	- 20mm(1/2")Ø PVC Male Adapter		598.00	pcs		
	- 50mm(2")Ø IMC Locknut		1.00	pcs		
	- 40mm(1 1/2")Ø IMC Locknut		2.00	pcs		
	- 32mm(1")Ø IMC Locknut		6.00	pcs		
	- 25mm(3/4")Ø IMC Locknut		2.00	pcs		
	- 20mm(1/2")Ø IMC Locknut		598.00	pcs		
	- 50mm(2")Ø IMC Bushing		1.00	pcs		
	- 40mm(1 1/2")Ø IMC Bushing		2.00	pcs		
	- 32mm(1")Ø IMC Bushing		6.00	pcs		
	- 25mm(3/4")Ø IMC Bushing		2.00	pcs		
	- 20mm(1/2")Ø IMC Bushing		598.00	pcs		
	- 50mmØ (2") Liquid Tight Straight Connector		2.00	pcs		
	- Junction Box, with cover, with grounding terminal lug, deep type, G.I. Gauge #16		71.00	pcs		
	- Utility Box, with cover, with grounding terminal lug, deep type, G.I. Gauge #16		77.00	pcs		
	- 50mmØ (2") Service Entrance Cap, Diecast Aluminum, Threaded Type		1.00	pc		
	- Ground rod including ground clamp, 20mmØ x 3000mmØ solid GI steel with copper cladding		1.00	li. m		
	- Machine bolt, 5/8" diameter x 5"		2.00	pcs		
	- Oval eyebolt with 5/8 x 18", 1-1/2 eye inside diameter x2", with square nut		1.00	pc		
	- G.I Wires #16		35.00	kg		
	- Electrical Tape, Big		25.00	rolls		
	- Rubber Tape		2.00	rolls		
	- PVC Solvent, 1 Liter		2.00	cans		
	- Waterstop, 200ml.		2.00	cans		
	- Vulcaseal, 1L		2.00	cans		
	- 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.		38.00	sets		
		1.68%				
<b>15.4</b>	<b>VENTILATION EQUIPMENTS</b>					
	- 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 <sup>3</sup> /min Noise: 39dB(A) Power: 220W Wind Coverage Area: 350m <sup>2</sup> 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.		5.00	sets		



Name of Project : PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT  
Location : Countryside Ave., Brgy. Sta. Lucia, Pasig City

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					
	- 24" Industrial Exhaust Fan, Direct Drive, Wall Type, 600W		14.00	units		
	230V, 2P, with shutter blades, with warranty					
	- 24in Wall Fan, Industrial type, 230V, 200Watts		6.00	units		
	3 Speed Control with oscillation					
	215m <sup>3</sup> per minute air volume					
	with built-in thermal fuse					
	vari angle wall mounted, with warranty					
	- Hangers, Supports, and Accessories		25.00	sets		
	Including angle bar, clamp, full thread, screws, bolts and nuts, flat washer, hauling, installation using scaffolding or ladder, painting, and other accessories.					
		3.61%				
<b>15.5</b>	<b>CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM</b>					
	- 32" Led Monitor (CCTV Monitoring Screen )		1.00	unit		
	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					
	- Network Video Recorder (NVR)		1.00	unit		
	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					
	- Square Box with Cover, G.I. Gauge #16		6.00	pcs		
	- 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		6.00	units		
	- 8-Terabyte Hard Disk Drive		1.00	unit		
	3.5" SATA, up to 256MB/s, 7200RPM, 256mb cache					
	with three years warranty					
	- CCTV Cabinet/Rack and Table		1.00	set		
	- Cat 6 cable wire including RJ45		205.00	li. m		
	- 20mmØ (1/2") EMT Pipe x 10ft.		69.00	pcs		
	- 20mmØ (1/2") EMT Elbow		30.00	pcs		
	- 20mmØ (1/2") EMT Coupling, Compression Type		53.00	pcs		
	- 20mmØ (1/2") EMT Connector, Compression Type		53.00	pcs		
	- Others ( accessories, hangers, tagging/ panning of camera and support including c-clamp and velcro, tv mounting plate, POE, wire mesh/cable tray )		6.00	sets		
		0.32%				
<b>15.60</b>	<b>ELECTRICAL POST / SERVICE ENTRANCE:</b>					
	- Concrete		5.02	cu.m		
	- Rebars		388.00	kgs		
	- Forms		25.22	sq. m		
	- Excavation		31.56	cu.m		
	- Backfilling		28.14	cu.m		
	- Painting		4.89	sq. m		
		0.25%				



Name of Project : PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT  
 Location : Couttryside Ave., Brgy. Sta. Lucia, Pasig City

ESTIMATED COST OF PROPOSED WORK:

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



Name of Project : PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT  
 Location : Courtyside Ave., Brgy. Sta. Lucia, Pasig City

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		
	- Teplon Tape		25.00	pcs		
	LABOR COST					
	DIRECT COST	0.73%				
<b>16.6</b>	<b>PLUMBING FIXTURE</b>					
	- 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					
	DIRECT COST	0.49%				
<b>16.7</b>	<b>PUMPHOUSE AND RESTORATION</b>					
	- Cement		34.00	bags		
	- Sand		2.50	cu.m		
	- Gravel		2.50	cu.m		
	- CHB #6		70.00	pcs		
	- 12mm " " Deformed Bar		8.00	pcs		
	- 10mm " " Deformed Bar		5.00	pcs		
	- #16 G.I Tie Wire		1.00	kl		
	- Steel Gate with Padlock		1.00	set		
	LABOR COST					
	DIRECT COST	0.06%				
<b>16.8</b>	<b>Septic Tank(2x3x2)</b>					
	- Cement		25.00	bags		
	- Sand		3.00	cu.m		
	- Gravel 3/4		2.00	cu.m		
	- CHB #6		219.00	pcs		
	- 12mm " " Deformed Bar		60.00	pcs		
	- 10mm " " Deformed Bar		10.00	pcs		
	- #16 G.I Tie Wire		10.00	kl		
	- Plywood 3/4"x4"x8'		3.00	pcs		
	- Cocolumber 2"x4"x12		10.00	pcs		
	- Nail Assorted Size		5.00	kl		
	LABOR COST					
	DIRECT COST	0.11%				

100.00%

REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS  
& HIGHWAYS  
OFFICE OF THE BUILDING OFFICIALS

CITY OF PASIG

LINE and GRADE

LAND USE and ZONING

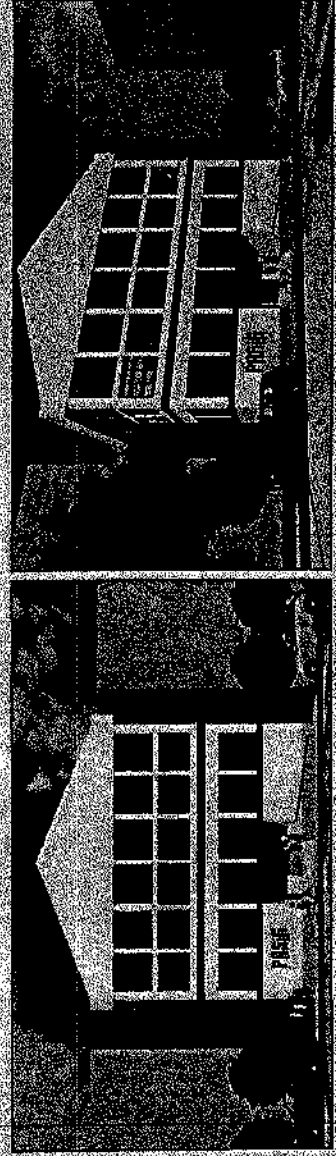
ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

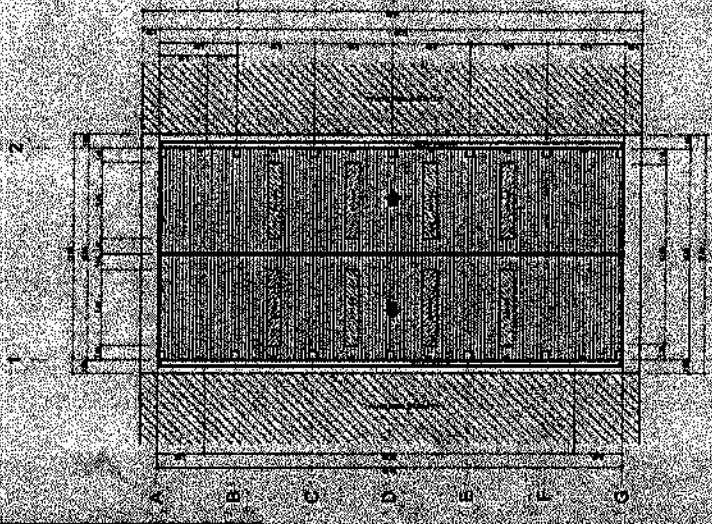
MECHANICAL



PERSPECTIVES



LOCATION PLAN



SITE DEVT. PLAN

<p>ENGINEERING DEPARTMENT OFFICE OF THE MAYOR PASIG CITY</p>	<p>PROPOSED (TWO-STORY) MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>REGISTERED PROFESSIONAL ARCHITECT</p>	<p>REGISTERED PROFESSIONAL ELECTRICAL ENGINEER</p>	<p>REGISTERED PROFESSIONAL MECHANICAL ENGINEER</p>	<p>REGISTERED PROFESSIONAL CIVIL ENGINEER</p>	<p>REGISTERED PROFESSIONAL ELECTRICAL ENGINEER</p>
<p>APPROVED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p>
<p>DATE: 05/15/2018</p>	<p>PROJECT NO.: 18-001</p>	<p>PROJECT NAME: PASIG CITY MALL PHASE 2</p>	<p>PROJECT LOCATION: PASIG CITY, METRO MANILA</p>	<p>PROJECT OWNER: PASIG CITY GOVERNMENT</p>	<p>PROJECT ARCHITECT: VICTOR M. YEGIS N. SOTO</p>	<p>PROJECT ELECTRICAL ENGINEER: VICTOR M. YEGIS N. SOTO</p>

AS SHOWN  
A-1

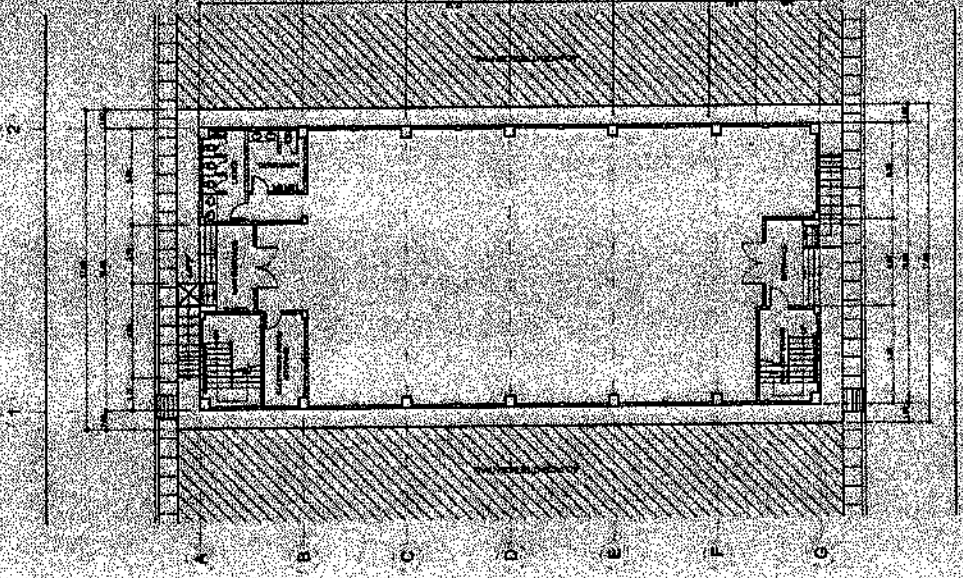
VICTOR M. YEGIS N. SOTO  
CITY ENGINEER

REGISTERED PROFESSIONAL ARCHITECT

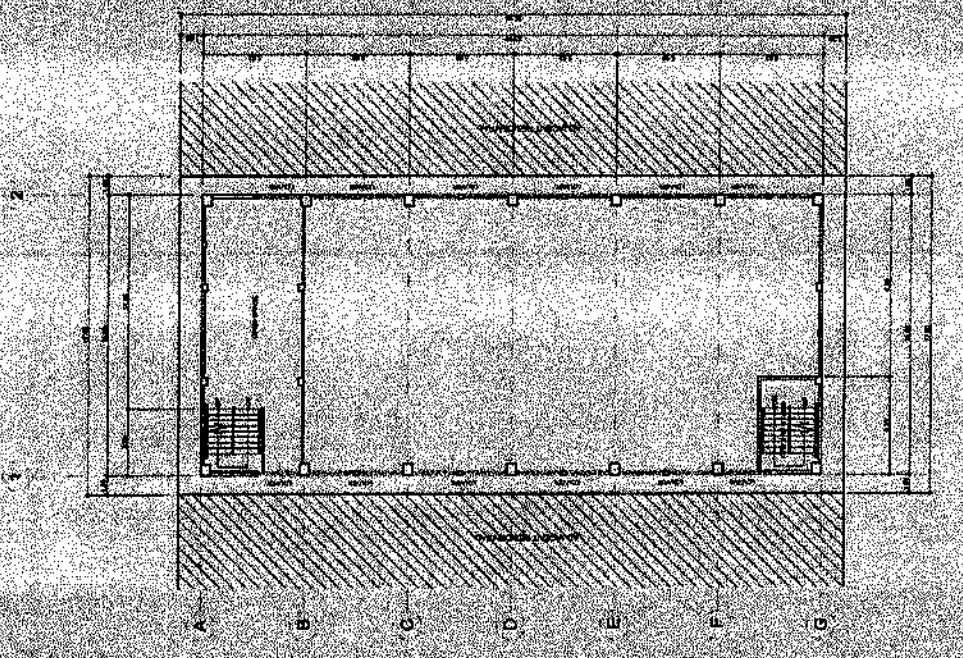
REGISTERED PROFESSIONAL ELECTRICAL ENGINEER

REGISTERED PROFESSIONAL MECHANICAL ENGINEER

REGISTERED PROFESSIONAL CIVIL ENGINEER

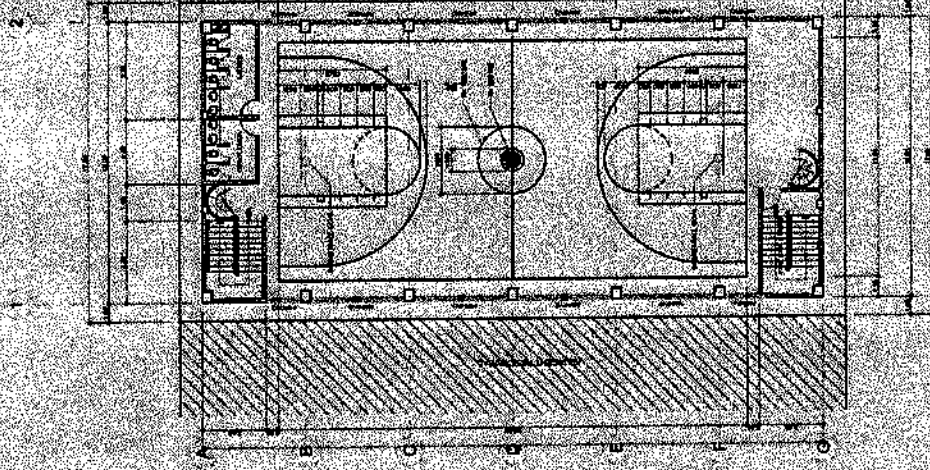


GROUND FLOOR PLAN

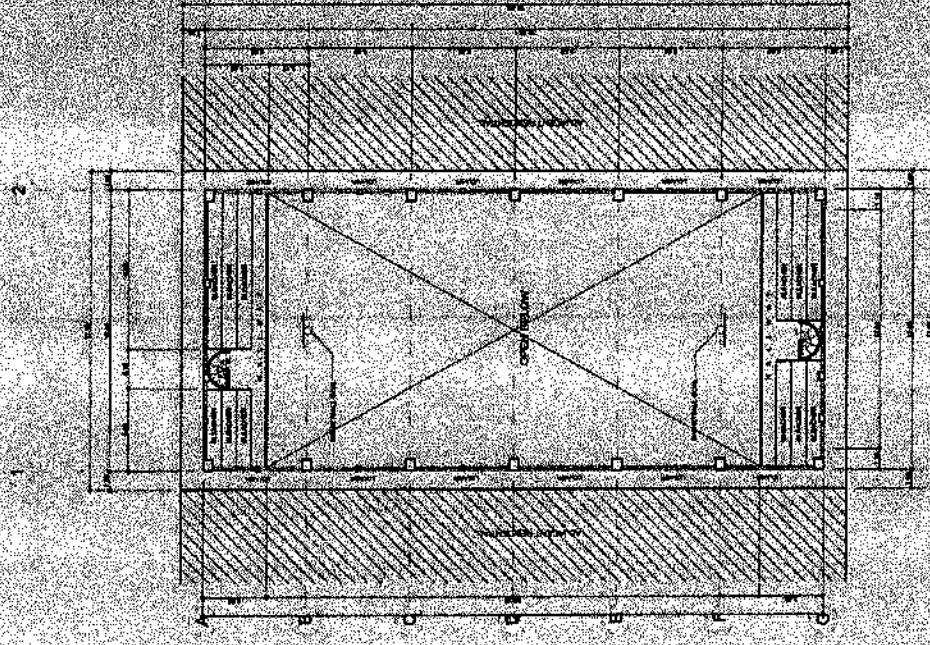


GROUND FLOOR MEZZANINE

	<p>OFFICE OF THE MAYOR ENGINEERING DEPARTMENT INDUSTRIAL LIAISON</p>	<p>PROJECT TITLE PROPOSED 2/TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>ARCHITECTURE ARCHITECTS AT LARGE</p>	<p>PROFESSIONAL ARCHITECT [Signature]</p>	<p>REGISTERED PROFESSIONAL [Signature]</p>	<p>REGISTERED PROFESSIONAL [Signature]</p>	<p>REGISTERED PROFESSIONAL [Signature]</p>	<p>SHEET CONTAINS SHEET NO. AS SHOWN</p>	<p>VICTOR DA REGIS N. SOTTO ARCHITECT</p>	<p>ENGINEER [Signature]</p>	<p>REGISTERED PROFESSIONAL [Signature]</p>	<p>REGISTERED PROFESSIONAL [Signature]</p>	<p>REGISTERED PROFESSIONAL [Signature]</p>	<p>REGISTERED PROFESSIONAL [Signature]</p>	<p>REGISTERED PROFESSIONAL [Signature]</p>	<p>A-2 21</p>	<p>THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.</p>
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SECOND FLOOR PLAN

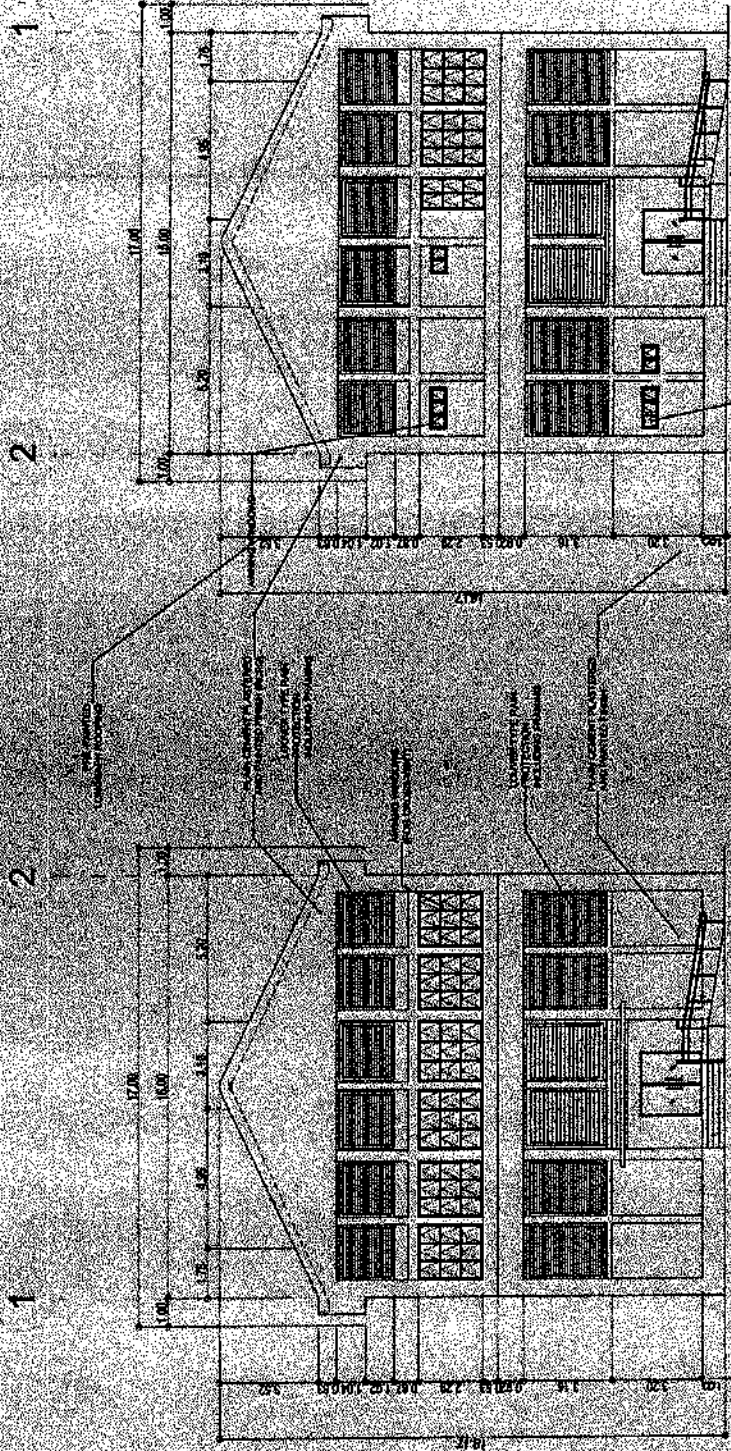


SECOND FLOOR PLAN UPPER BLEACHER

<p>OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>ARCHITECTURAL</p>	<p>PROFESSIONAL &amp; CONSULTING ENGINEERS</p>	<p>APPROVED BY</p>	<p>PROJECT CONTINUED</p>
<p>ENGINEERING DEPARTMENT</p>	<p>PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>ARCHITECTURAL</p>	<p>PROFESSIONAL &amp; CONSULTING ENGINEERS</p>	<p>APPROVED BY</p>	<p>PROJECT CONTINUED</p>
<p>ENGINEERING DEPARTMENT</p>	<p>PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>ARCHITECTURAL</p>	<p>PROFESSIONAL &amp; CONSULTING ENGINEERS</p>	<p>APPROVED BY</p>	<p>PROJECT CONTINUED</p>
<p>ENGINEERING DEPARTMENT</p>	<p>PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>ARCHITECTURAL</p>	<p>PROFESSIONAL &amp; CONSULTING ENGINEERS</p>	<p>APPROVED BY</p>	<p>PROJECT CONTINUED</p>
<p>ENGINEERING DEPARTMENT</p>	<p>PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>ARCHITECTURAL</p>	<p>PROFESSIONAL &amp; CONSULTING ENGINEERS</p>	<p>APPROVED BY</p>	<p>PROJECT CONTINUED</p>





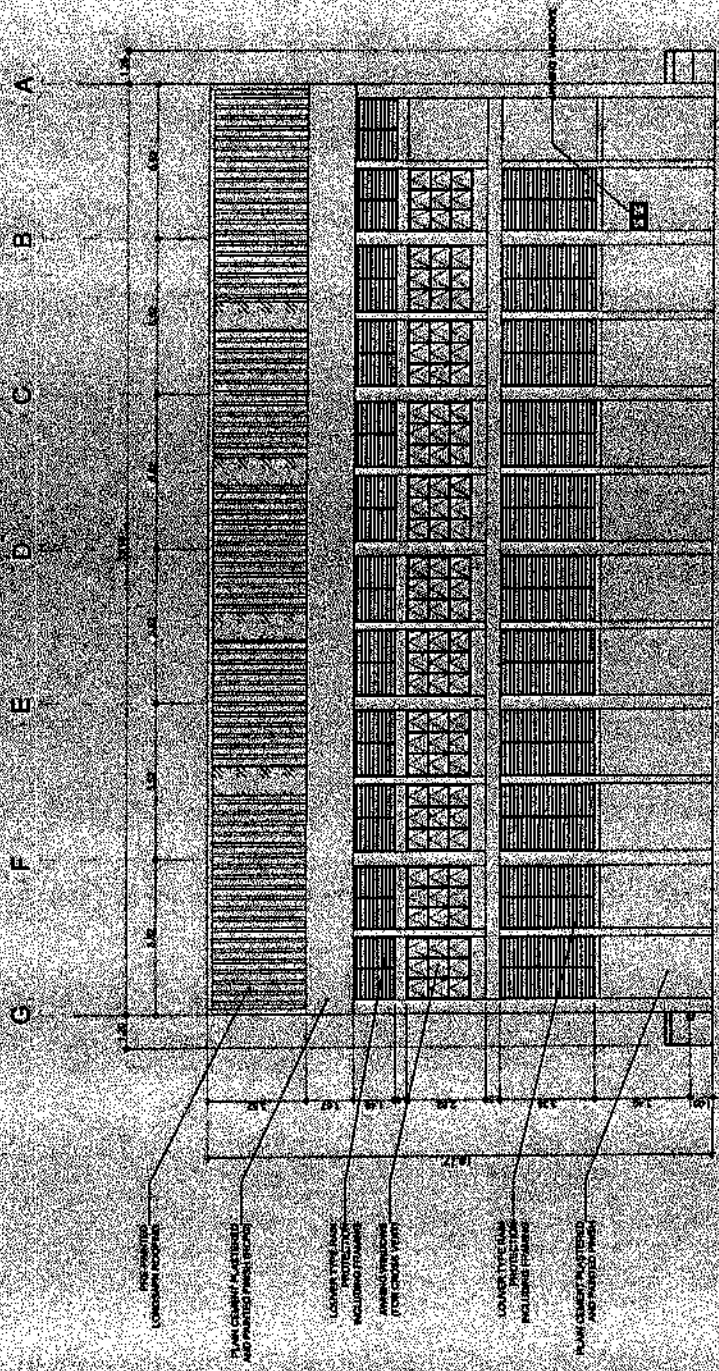


FRONT ELEVATION

REAR ELEVATION

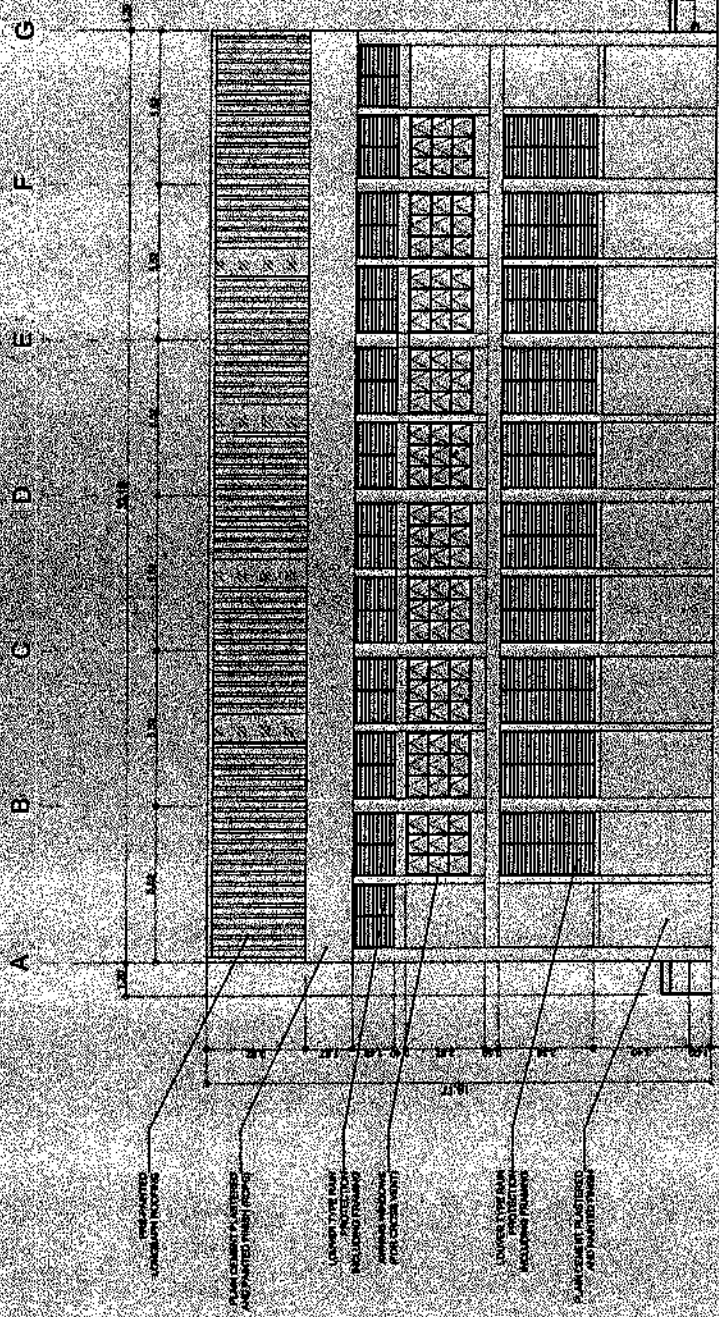
<p>OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE PROPOSED (2) 1700 STOREY MULTI-PURPOSE BUILDING WITH COVERED COURTYARD</p>	<p>ARCHITECTURAL WALTER OUBAS ARCHITECTS INC.</p>	<p>REVISIONS DATE: 11/11/2011</p>	<p>APPROVED BY: VICTOR M. REGIS N. SOTTO CITY ENGINEER</p>	<p>PROJECT NO. A-5 5</p>
<p>APPROVED BY: VICTOR M. REGIS N. SOTTO CITY ENGINEER</p>	<p>DATE: 11/11/2011</p>	<p>PROJECT NO. A-5 5</p>			

THIS DOCUMENT IS THE PROPERTY OF THE CITY OF NEW YORK. IT IS TO BE KEPT IN THE OFFICE OF THE ENGINEER. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.



RIGHT SIDE ELEVATION

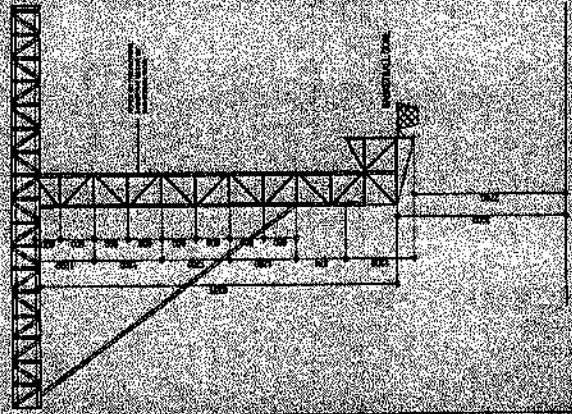
	<b>ENGINEERING DEPARTMENT</b> OFFICE OF THE MAYOR PROFESSIONAL ENGINEER	PROJECT TITLE <b>PROPOSED (2) TWO STOREY          MULTI-PURPOSE BUILDING W/          COVERED COURTYARD</b> LOCATION: COURTESY SQUARE 1111 UNIVERSITY AVENUE, SUITE 100 WEST YORK, ONTARIO	ARCHITECTURAL PROJECT NO. 1111 DATE: 11/20/2011	PREPARED BY [Signature]	CHECKED BY [Signature]	SHEET NO. <b>A-6</b> (6)	AS SHOWN	APPROVED BY <b>VICTOR R. REGIE N. SOTTO</b> PROFESSIONAL ENGINEER	APPROVED FOR THE PROJECT BY [Signature] PROJECT MANAGER
I, THE ENGINEER, HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO AND THAT I AM A MEMBER OF THE ENGINEERING COUNCIL OF ONTARIO. I HAVE REVIEWED THE DRAWINGS AND AM SURE THAT THEY ACCURATELY REPRESENT THE WORK DESCRIBED AND THAT THEY COMPLY WITH THE REQUIREMENTS OF THE ENGINEERING ACT AND THE ENGINEERING REGULATIONS. I AM NOT PROVIDING THIS SERVICE AS AN EMPLOYEE OF THE PROVINCE OF ONTARIO.									



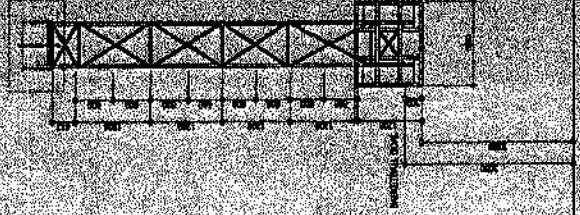
LEFT SIDE ELEVATION

<p>ENGINEERING DEPARTMENT CITY OF DALLAS</p>	<p>PROJECT TITLE <b>PROPOSED 13TH ST STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</b></p>	<p>APPROVED BY <i>[Signature]</i> ARCHITECT</p>	<p>APPROVED BY <i>[Signature]</i> ENGINEER</p>	<p>APPROVED BY <i>[Signature]</i> REGISTERED PROFESSIONAL ARCHITECT</p>	<p>DATE OF SHEET A-7 7</p>	<p>DESIGNED BY VICTOR A. RESSE, N. SOTTO ARCHITECTS</p>	<p>AS SHOWN</p> <p>CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF DALLAS SPECIFICATIONS TO THE INTERNATIONAL BUILDING CODE (IBC) AND THE CITY OF DALLAS SPECIFICATIONS TO THE INTERNATIONAL PLUMBING CODE (IPC). THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</p>
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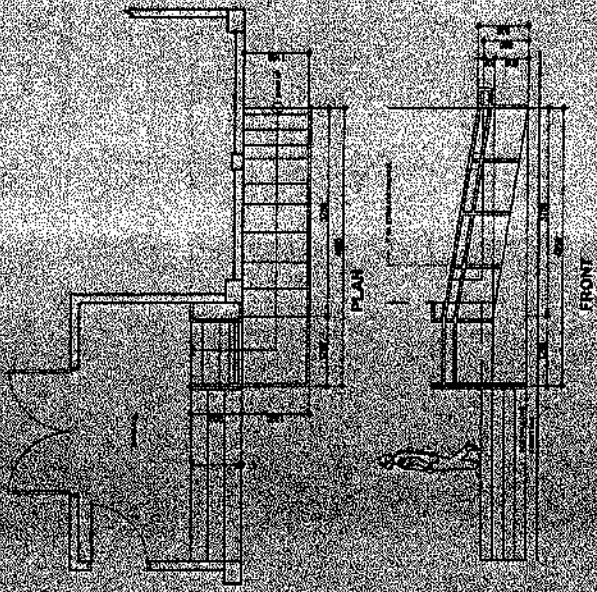




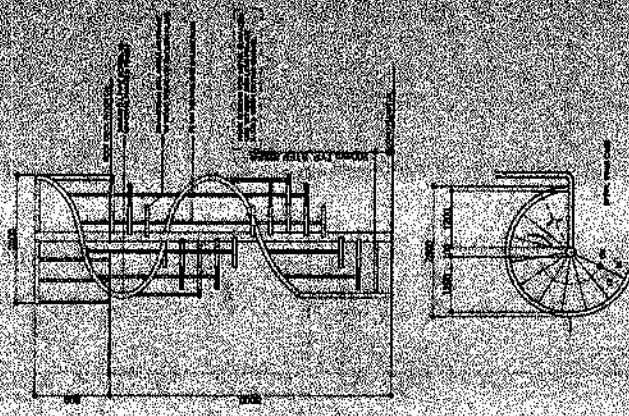
GOAL DETAILED SECTION



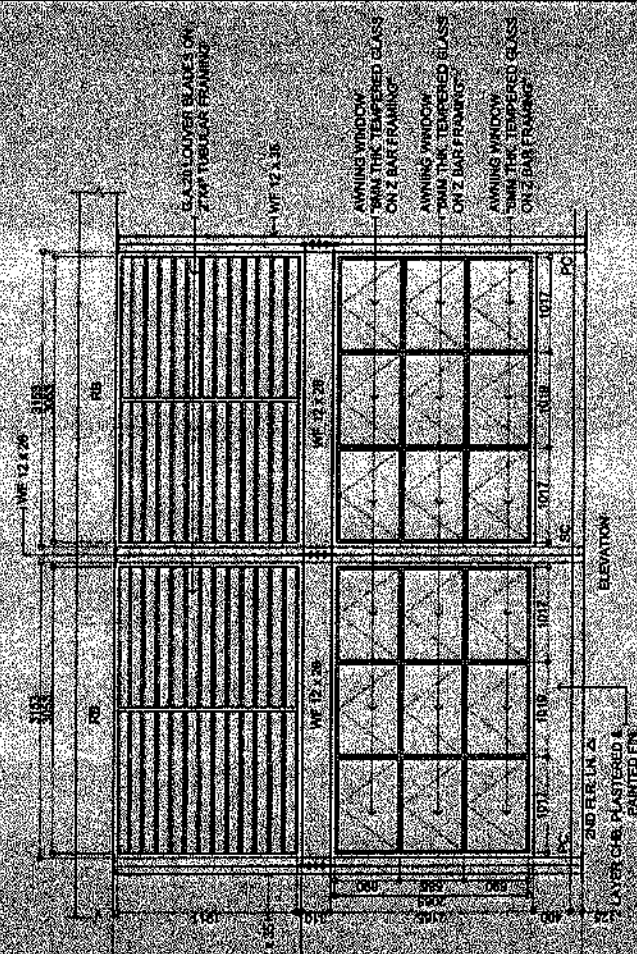
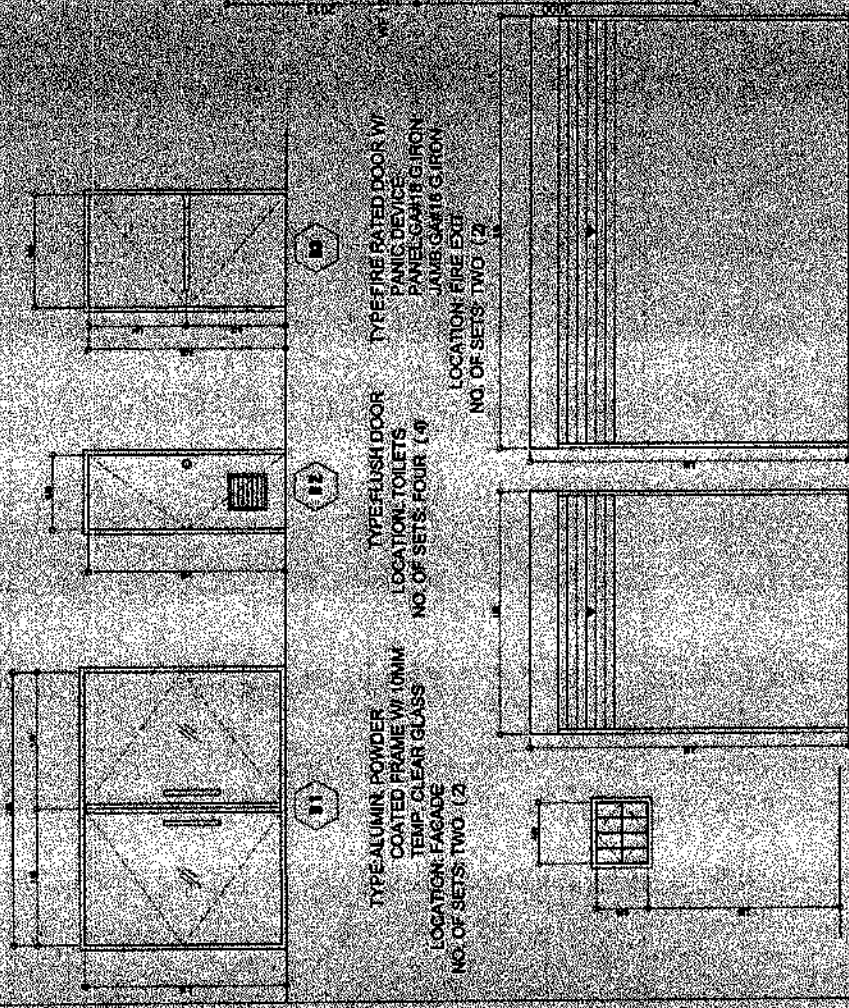
RAMP DETAILED SECTION



SPIRAL STAIR

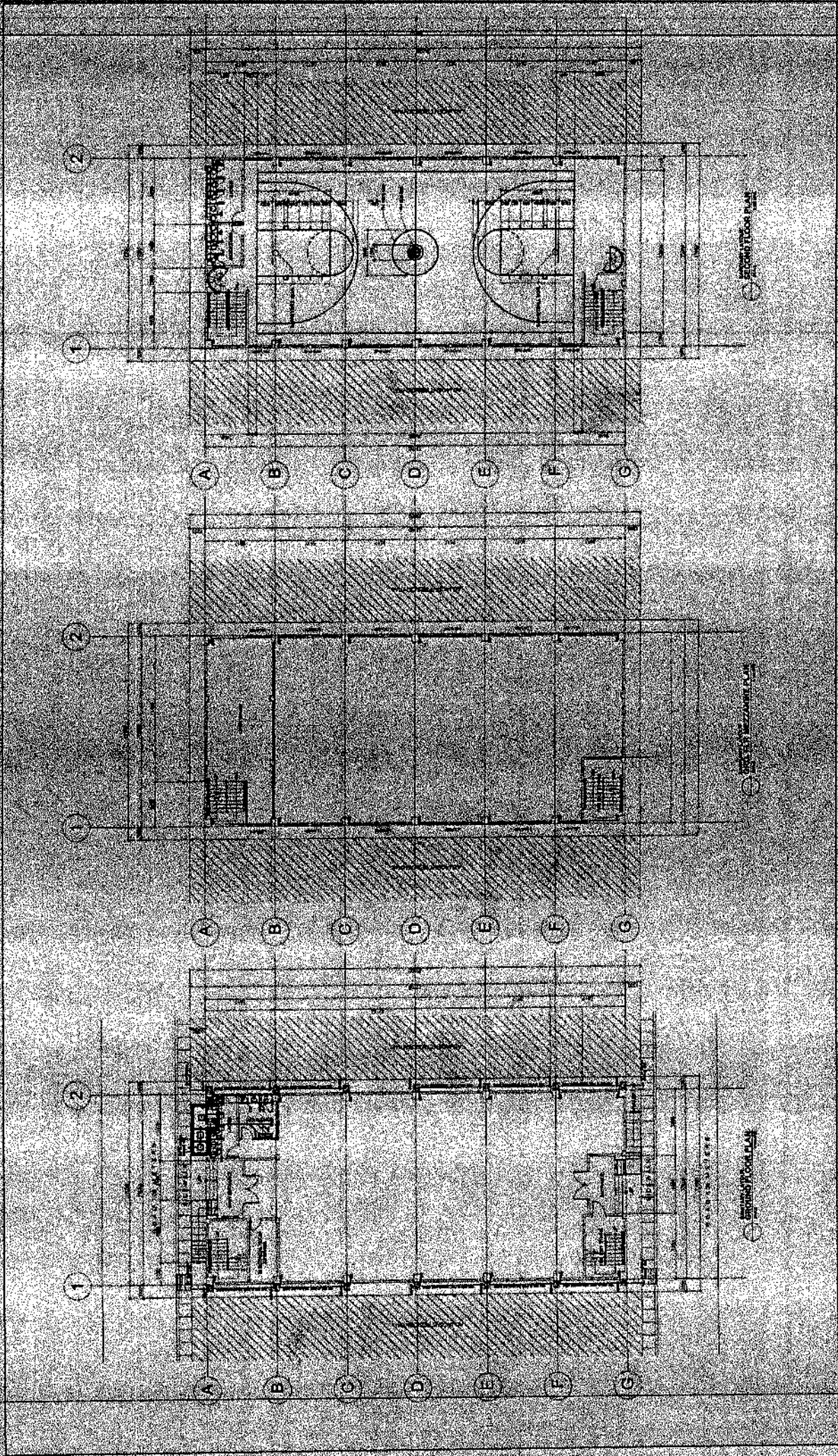



<p> <b>ENGINEERING DEPARTMENT</b>          OFFICE OF THE MAYOR          CITY OF HAYWARD          10000 HAYWARD AVENUE          HAYWARD, CA 94542          (510) 881-7000       </p>	<p>PROJECT TITLE:</p> <p><b>PROPOSED 2/TWO STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT</b></p> <p>10000 HAYWARD AVENUE HAYWARD, CA 94542</p>	<p>ARCHITECTURAL:</p> <p><b>SS ASSOCIATES</b>          10000 HAYWARD AVENUE          HAYWARD, CA 94542          (510) 881-7000</p>	<p>REGISTERED PROFESSIONAL ENGINEER:</p> <p><i>[Signature]</i></p> <p><b>VICTOR M. REBIS, N. SOTTO</b>          10000 HAYWARD AVENUE          HAYWARD, CA 94542          (510) 881-7000</p>	<p>SCALE:</p> <p><b>AS SHOWN</b></p>
	<p>DATE:</p> <p><b>08/11/2011</b></p>	<p>PROJECT NO.:</p> <p><b>11-001</b></p>	<p>DATE:</p> <p><b>08/11/2011</b></p>	<p>DATE:</p> <p><b>08/11/2011</b></p>



SECTION OF STEEL LOUVERS & AWNING WINDOWS @ 2ND FLOOR LVL.

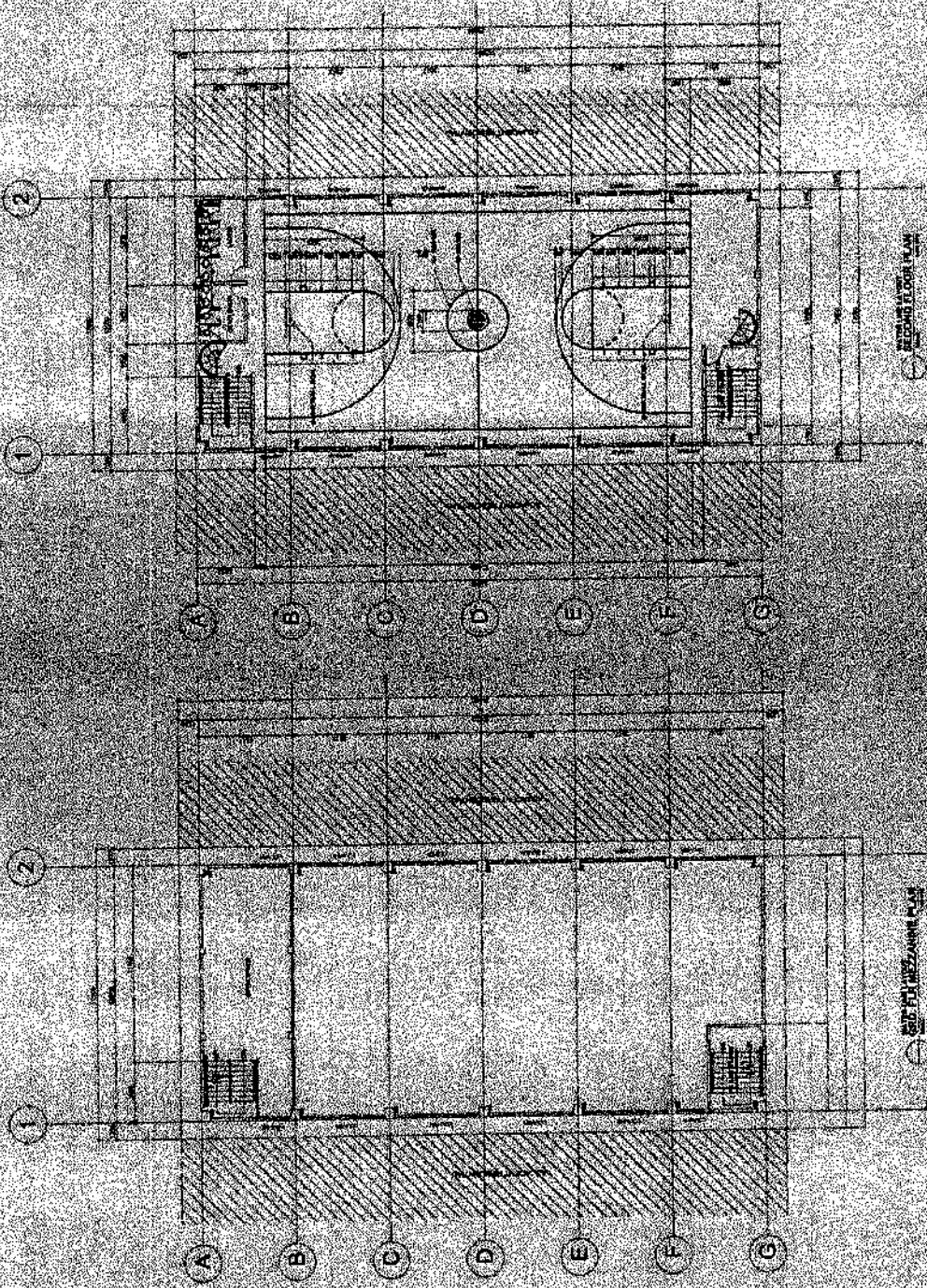
<p>ENGINEERING DEPARTMENT</p>	<p>PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>SCHEDULE OF DOORS &amp; WINDOWS</p>	<p>APPROVED BY: [Signature]</p>
<p>PROJECT TITLE</p>	<p>PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>SCHEDULE OF DOORS &amp; WINDOWS</p>	<p>APPROVED BY: [Signature]</p>
<p>OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROPOSED (2) TWO STOREY MULTI-PURPOSE BUILDING WITH COVERED COURT</p>	<p>SCHEDULE OF DOORS &amp; WINDOWS</p>	<p>APPROVED BY: [Signature]</p>
<p>AS SHOWN</p>	<p>AS SHOWN</p>	<p>SCHEDULE OF DOORS &amp; WINDOWS</p>	<p>APPROVED BY: [Signature]</p>



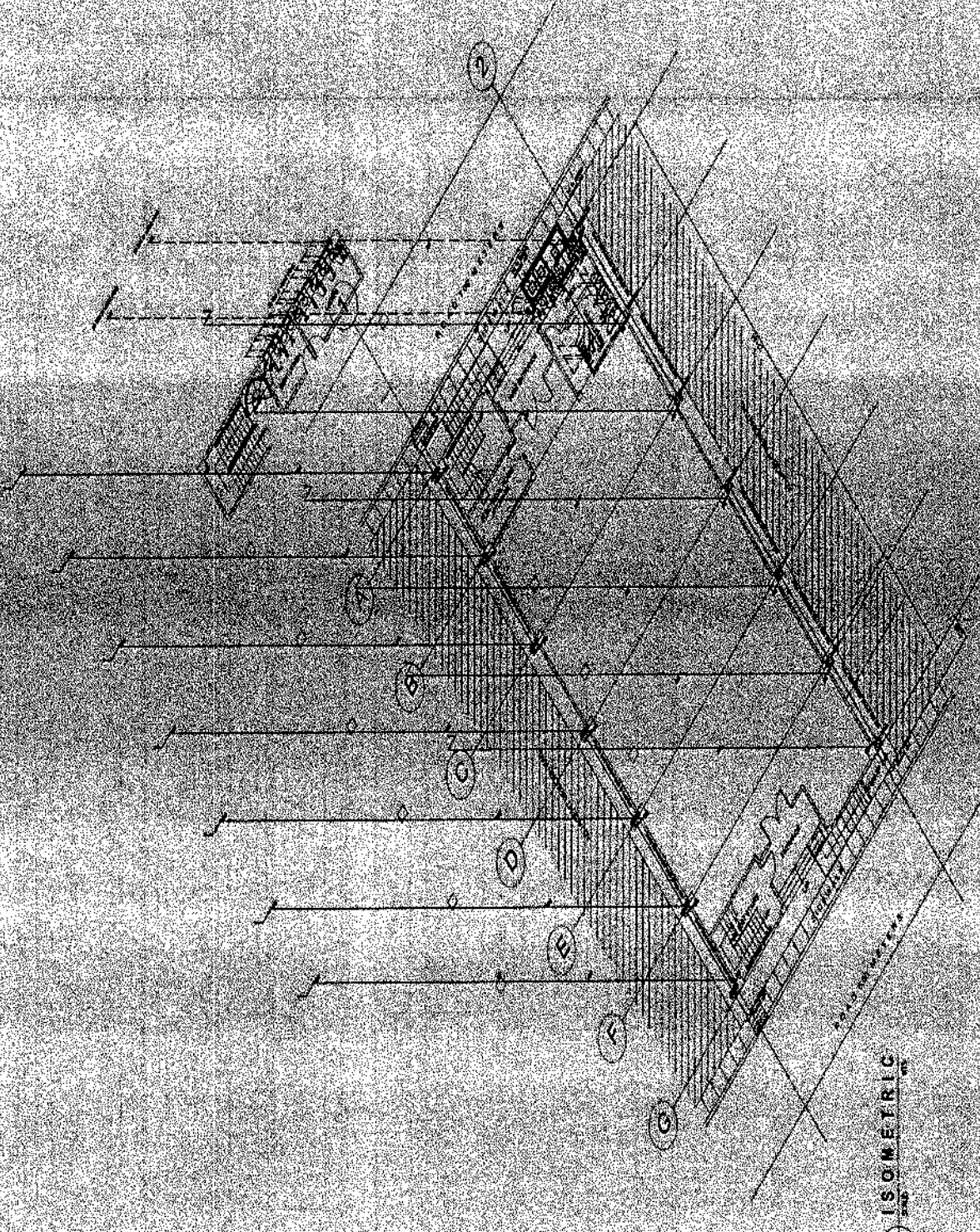
 <p>OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROPOSED TWO (2) STOREY MULTIPURPOSE BUILDING WITH COVERED COURT</p>	<p>ENGR. APARNA S. SHINDE REGISTERED PROFESSIONAL ENGINEER</p>	<p>ENGR. DINESH C. PATIL REGISTERED PROFESSIONAL ENGINEER</p>	<p>VICTORIAN VEDISHA SOTTO ARCHITECT</p>	<p>CONTRACT NO. 11/17</p>
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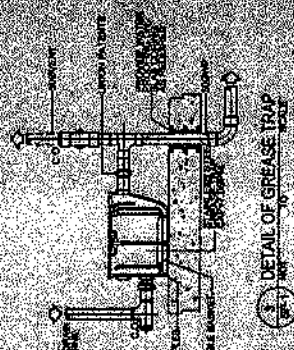
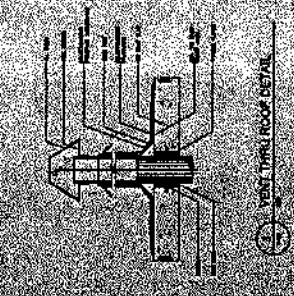
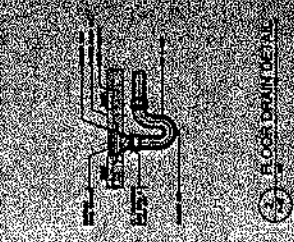
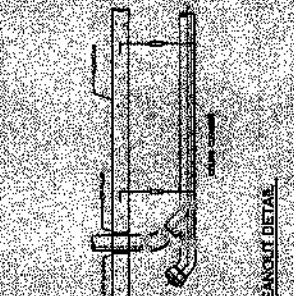
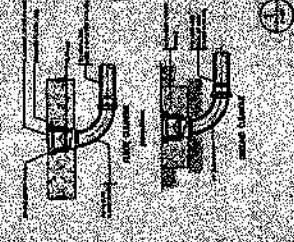
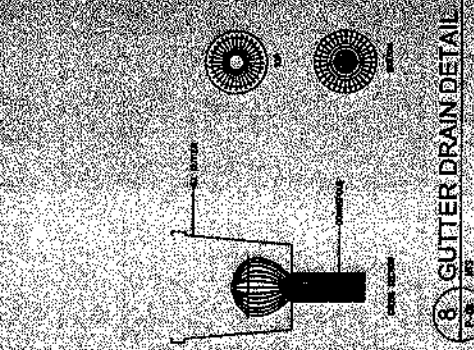
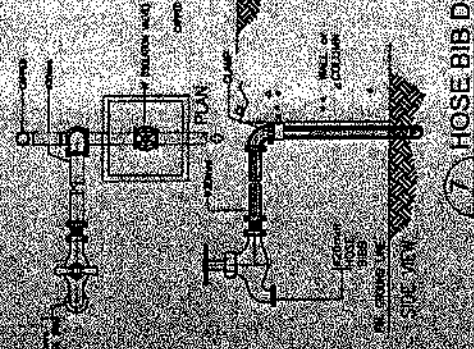
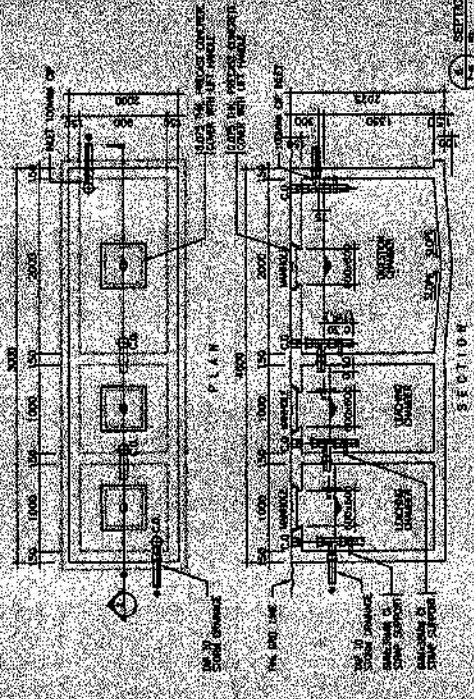
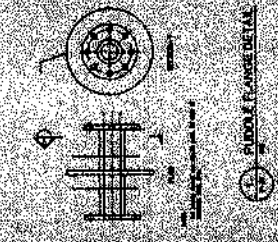
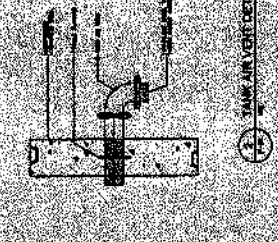
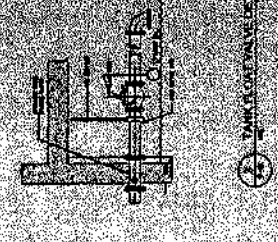
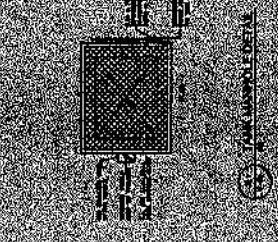
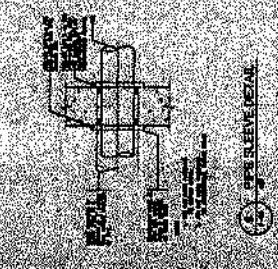
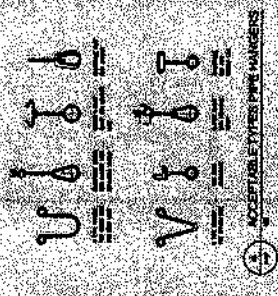


<p>SEAL OF THE CITY OF NEW YORK</p>	<p>REPORT FOR THE BOARD OF CITY ENGINEERS</p> <p>OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE: PROPOSED TWO (2) STOREY MULTI-PURPOSE BUILDING W/ COVERED COURT</p> <p>LOCATION: 100 W. 11th Street, New York City</p>	<p>DESIGNED BY: VINCE ANTONIO, ARCHITECT OF ARCHITECTURAL FIRM</p>	<p>APPROVED BY: VICTOR G. REBER, CIVIL ENGINEER CITY ENGINEER</p>	<p>DATE: 11/15/11</p>
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ISOMETRIC  
DRAWING

	OFFICE OF THE MAYOR ENGINEERING DEPARTMENT	PROJECT TITLE PROPOSED THIRD FLOOR MULTI-PURPOSE BUILDING COVERED COURT <small>Location: 100 W. 12th Street, New York City</small>	DRAWING NO. 	APPROVED BY ENGINEER 	DATE 11/11/11
OFFICE OF THE MAYOR ENGINEERING DEPARTMENT <small>100 W. 12th Street, New York City</small>		PROJECT TITLE PROPOSED THIRD FLOOR MULTI-PURPOSE BUILDING COVERED COURT <small>Location: 100 W. 12th Street, New York City</small>		APPROVED BY ENGINEER 	DATE 11/11/11



	<p>OFFICE OF THE MAYOR ENGINEERING DEPARTMENT</p>	<p>PROJECT TITLE PROPOSED TWO (2) STORE MULTI-UNIT COVERED COURT</p>	<p>DESIGNED BY ENGINEER: J. P. PELLENCIO PROJECT ENGINEER: J. P. PELLENCIO</p>	<p>APPROVED BY ENGINEER: J. P. PELLENCIO PROJECT ENGINEER: J. P. PELLENCIO</p>	<p>DATE OF ISSUE 10/15/2010</p>	<p>SCALE AS SHOWN</p>	<p>APPROVED BY J. P. PELLENCIO PROJECT ENGINEER</p>
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APPROVAL NOTE: THE CITY OF DALLAS ENGINEERING DEPARTMENT HAS REVIEWED THIS SET OF DRAWINGS FOR TECHNICAL ACCURACY AND COMPLIANCE WITH THE DALLAS BUILDING CODE. THE CITY OF DALLAS ENGINEERING DEPARTMENT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREON.

PROPOSED TWO (2) STORE MULTI-UNIT COVERED COURT  
LOCATION: 2001 W. TULSA STREET, DALLAS, TEXAS 75201

DATE OF ISSUE: 10/15/2010

SCALE: AS SHOWN

APPROVED BY: J. P. PELLENCIO, PROJECT ENGINEER

DESIGNED BY: ENGINEER: J. P. PELLENCIO, PROJECT ENGINEER: J. P. PELLENCIO

PROJECT TITLE: PROPOSED TWO (2) STORE MULTI-UNIT COVERED COURT

OFFICE OF THE MAYOR, ENGINEERING DEPARTMENT

CITY OF DALLAS

**GENERAL NOTES:**

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODES AND STANDARDS.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODES AND STANDARDS.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODES AND STANDARDS.
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODES AND STANDARDS.
6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODES AND STANDARDS.
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9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODES AND STANDARDS.
10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL CODES AND STANDARDS.

PIPE SIZE (mm)	CONCRETE/STEEL/BRICKWORK (mm)
150	100
200	150
250	200
300	250
350	300
400	350
450	400
500	450
550	500
600	550
650	600
700	650
750	700
800	750
850	800
900	850
950	900
1000	950

PIPE SIZE (mm)	CONCRETE/STEEL/BRICKWORK (mm)
150	100
200	150
250	200
300	250
350	300
400	350
450	400
500	450
550	500
600	550
650	600
700	650
750	700
800	750
850	800
900	850
950	900
1000	950

COLD AND HOT WATER LINES	
1. Cold Water	1. Cold Water
2. Hot Water	2. Hot Water
3. Cold Water	3. Cold Water
4. Hot Water	4. Hot Water
5. Cold Water	5. Cold Water
6. Hot Water	6. Hot Water
7. Cold Water	7. Cold Water
8. Hot Water	8. Hot Water
9. Cold Water	9. Cold Water
10. Hot Water	10. Hot Water
11. Cold Water	11. Cold Water
12. Hot Water	12. Hot Water
13. Cold Water	13. Cold Water
14. Hot Water	14. Hot Water
15. Cold Water	15. Cold Water
16. Hot Water	16. Hot Water
17. Cold Water	17. Cold Water
18. Hot Water	18. Hot Water
19. Cold Water	19. Cold Water
20. Hot Water	20. Hot Water
21. Cold Water	21. Cold Water
22. Hot Water	22. Hot Water
23. Cold Water	23. Cold Water
24. Hot Water	24. Hot Water
25. Cold Water	25. Cold Water
26. Hot Water	26. Hot Water
27. Cold Water	27. Cold Water
28. Hot Water	28. Hot Water
29. Cold Water	29. Cold Water
30. Hot Water	30. Hot Water
31. Cold Water	31. Cold Water
32. Hot Water	32. Hot Water
33. Cold Water	33. Cold Water
34. Hot Water	34. Hot Water
35. Cold Water	35. Cold Water
36. Hot Water	36. Hot Water
37. Cold Water	37. Cold Water
38. Hot Water	38. Hot Water
39. Cold Water	39. Cold Water
40. Hot Water	40. Hot Water
41. Cold Water	41. Cold Water
42. Hot Water	42. Hot Water
43. Cold Water	43. Cold Water
44. Hot Water	44. Hot Water
45. Cold Water	45. Cold Water
46. Hot Water	46. Hot Water
47. Cold Water	47. Cold Water
48. Hot Water	48. Hot Water
49. Cold Water	49. Cold Water
50. Hot Water	50. Hot Water

SANITARY DRAINAGE AND VENTILATION	
1. Sanitary Drainage	1. Sanitary Drainage
2. Ventilation	2. Ventilation
3. Sanitary Drainage	3. Sanitary Drainage
4. Ventilation	4. Ventilation
5. Sanitary Drainage	5. Sanitary Drainage
6. Ventilation	6. Ventilation
7. Sanitary Drainage	7. Sanitary Drainage
8. Ventilation	8. Ventilation
9. Sanitary Drainage	9. Sanitary Drainage
10. Ventilation	10. Ventilation
11. Sanitary Drainage	11. Sanitary Drainage
12. Ventilation	12. Ventilation
13. Sanitary Drainage	13. Sanitary Drainage
14. Ventilation	14. Ventilation
15. Sanitary Drainage	15. Sanitary Drainage
16. Ventilation	16. Ventilation
17. Sanitary Drainage	17. Sanitary Drainage
18. Ventilation	18. Ventilation
19. Sanitary Drainage	19. Sanitary Drainage
20. Ventilation	20. Ventilation
21. Sanitary Drainage	21. Sanitary Drainage
22. Ventilation	22. Ventilation
23. Sanitary Drainage	23. Sanitary Drainage
24. Ventilation	24. Ventilation
25. Sanitary Drainage	25. Sanitary Drainage
26. Ventilation	26. Ventilation
27. Sanitary Drainage	27. Sanitary Drainage
28. Ventilation	28. Ventilation
29. Sanitary Drainage	29. Sanitary Drainage
30. Ventilation	30. Ventilation
31. Sanitary Drainage	31. Sanitary Drainage
32. Ventilation	32. Ventilation
33. Sanitary Drainage	33. Sanitary Drainage
34. Ventilation	34. Ventilation
35. Sanitary Drainage	35. Sanitary Drainage
36. Ventilation	36. Ventilation
37. Sanitary Drainage	37. Sanitary Drainage
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39. Sanitary Drainage	39. Sanitary Drainage
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41. Sanitary Drainage	41. Sanitary Drainage
42. Ventilation	42. Ventilation
43. Sanitary Drainage	43. Sanitary Drainage
44. Ventilation	44. Ventilation
45. Sanitary Drainage	45. Sanitary Drainage
46. Ventilation	46. Ventilation
47. Sanitary Drainage	47. Sanitary Drainage
48. Ventilation	48. Ventilation
49. Sanitary Drainage	49. Sanitary Drainage
50. Ventilation	50. Ventilation

LEGENDS AND SYMBOLS		
SYMBOL	DESCRIPTION	DESCRIPTION
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102

ABBREVIATIONS	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
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47	47
48	48
49	49
50	50



OFFICE OF THE MAYOR  
ENGINEERING DEPARTMENT

PROPOSED TWO (2) STOREY  
MULTI-PURPOSE BUILDING WITH  
COVERED COURT

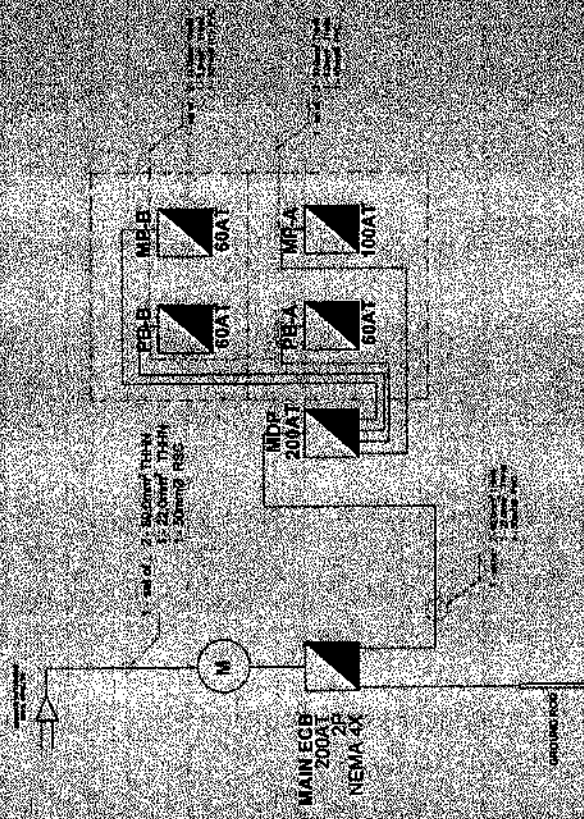
PROJECT FILE: [Blank]

DESIGNED BY: [Blank]

APPROVED BY: [Signature]


DATE: [Blank]





SINGLE LINE DIAGRAM

Circuit	WIRE		CONDUIT		Notes
	Size	Type	Size	Type	
1	1/2"	EMT	1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
2	3/4"	EMT	3/4"	EMT	2-14 AWG THHN - 1-10amp THHN
3	1"	EMT	1"	EMT	2-14 AWG THHN - 1-10amp THHN
4	1 1/4"	EMT	1 1/4"	EMT	2-14 AWG THHN - 1-10amp THHN
5	1 1/2"	EMT	1 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
6	1 3/4"	EMT	1 3/4"	EMT	2-14 AWG THHN - 1-10amp THHN
7	2"	EMT	2"	EMT	2-14 AWG THHN - 1-10amp THHN
8	2 1/2"	EMT	2 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
9	3"	EMT	3"	EMT	2-14 AWG THHN - 1-10amp THHN
10	3 1/2"	EMT	3 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
11	4"	EMT	4"	EMT	2-14 AWG THHN - 1-10amp THHN
12	4 1/2"	EMT	4 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
13	5"	EMT	5"	EMT	2-14 AWG THHN - 1-10amp THHN
14	5 1/2"	EMT	5 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
15	6"	EMT	6"	EMT	2-14 AWG THHN - 1-10amp THHN
16	6 1/2"	EMT	6 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
17	7"	EMT	7"	EMT	2-14 AWG THHN - 1-10amp THHN
18	7 1/2"	EMT	7 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
19	8"	EMT	8"	EMT	2-14 AWG THHN - 1-10amp THHN
20	8 1/2"	EMT	8 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
21	9"	EMT	9"	EMT	2-14 AWG THHN - 1-10amp THHN
22	9 1/2"	EMT	9 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
23	10"	EMT	10"	EMT	2-14 AWG THHN - 1-10amp THHN
24	10 1/2"	EMT	10 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
25	11"	EMT	11"	EMT	2-14 AWG THHN - 1-10amp THHN
26	11 1/2"	EMT	11 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
27	12"	EMT	12"	EMT	2-14 AWG THHN - 1-10amp THHN
28	12 1/2"	EMT	12 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
29	13"	EMT	13"	EMT	2-14 AWG THHN - 1-10amp THHN
30	13 1/2"	EMT	13 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
31	14"	EMT	14"	EMT	2-14 AWG THHN - 1-10amp THHN
32	14 1/2"	EMT	14 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
33	15"	EMT	15"	EMT	2-14 AWG THHN - 1-10amp THHN
34	15 1/2"	EMT	15 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
35	16"	EMT	16"	EMT	2-14 AWG THHN - 1-10amp THHN
36	16 1/2"	EMT	16 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
37	17"	EMT	17"	EMT	2-14 AWG THHN - 1-10amp THHN
38	17 1/2"	EMT	17 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
39	18"	EMT	18"	EMT	2-14 AWG THHN - 1-10amp THHN
40	18 1/2"	EMT	18 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
41	19"	EMT	19"	EMT	2-14 AWG THHN - 1-10amp THHN
42	19 1/2"	EMT	19 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
43	20"	EMT	20"	EMT	2-14 AWG THHN - 1-10amp THHN
44	20 1/2"	EMT	20 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
45	21"	EMT	21"	EMT	2-14 AWG THHN - 1-10amp THHN
46	21 1/2"	EMT	21 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
47	22"	EMT	22"	EMT	2-14 AWG THHN - 1-10amp THHN
48	22 1/2"	EMT	22 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
49	23"	EMT	23"	EMT	2-14 AWG THHN - 1-10amp THHN
50	23 1/2"	EMT	23 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
51	24"	EMT	24"	EMT	2-14 AWG THHN - 1-10amp THHN
52	24 1/2"	EMT	24 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
53	25"	EMT	25"	EMT	2-14 AWG THHN - 1-10amp THHN
54	25 1/2"	EMT	25 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
55	26"	EMT	26"	EMT	2-14 AWG THHN - 1-10amp THHN
56	26 1/2"	EMT	26 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
57	27"	EMT	27"	EMT	2-14 AWG THHN - 1-10amp THHN
58	27 1/2"	EMT	27 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
59	28"	EMT	28"	EMT	2-14 AWG THHN - 1-10amp THHN
60	28 1/2"	EMT	28 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
61	29"	EMT	29"	EMT	2-14 AWG THHN - 1-10amp THHN
62	29 1/2"	EMT	29 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
63	30"	EMT	30"	EMT	2-14 AWG THHN - 1-10amp THHN
64	30 1/2"	EMT	30 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
65	31"	EMT	31"	EMT	2-14 AWG THHN - 1-10amp THHN
66	31 1/2"	EMT	31 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
67	32"	EMT	32"	EMT	2-14 AWG THHN - 1-10amp THHN
68	32 1/2"	EMT	32 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
69	33"	EMT	33"	EMT	2-14 AWG THHN - 1-10amp THHN
70	33 1/2"	EMT	33 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
71	34"	EMT	34"	EMT	2-14 AWG THHN - 1-10amp THHN
72	34 1/2"	EMT	34 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
73	35"	EMT	35"	EMT	2-14 AWG THHN - 1-10amp THHN
74	35 1/2"	EMT	35 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
75	36"	EMT	36"	EMT	2-14 AWG THHN - 1-10amp THHN
76	36 1/2"	EMT	36 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
77	37"	EMT	37"	EMT	2-14 AWG THHN - 1-10amp THHN
78	37 1/2"	EMT	37 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
79	38"	EMT	38"	EMT	2-14 AWG THHN - 1-10amp THHN
80	38 1/2"	EMT	38 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
81	39"	EMT	39"	EMT	2-14 AWG THHN - 1-10amp THHN
82	39 1/2"	EMT	39 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
83	40"	EMT	40"	EMT	2-14 AWG THHN - 1-10amp THHN
84	40 1/2"	EMT	40 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
85	41"	EMT	41"	EMT	2-14 AWG THHN - 1-10amp THHN
86	41 1/2"	EMT	41 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
87	42"	EMT	42"	EMT	2-14 AWG THHN - 1-10amp THHN
88	42 1/2"	EMT	42 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
89	43"	EMT	43"	EMT	2-14 AWG THHN - 1-10amp THHN
90	43 1/2"	EMT	43 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
91	44"	EMT	44"	EMT	2-14 AWG THHN - 1-10amp THHN
92	44 1/2"	EMT	44 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
93	45"	EMT	45"	EMT	2-14 AWG THHN - 1-10amp THHN
94	45 1/2"	EMT	45 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
95	46"	EMT	46"	EMT	2-14 AWG THHN - 1-10amp THHN
96	46 1/2"	EMT	46 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
97	47"	EMT	47"	EMT	2-14 AWG THHN - 1-10amp THHN
98	47 1/2"	EMT	47 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN
99	48"	EMT	48"	EMT	2-14 AWG THHN - 1-10amp THHN
100	48 1/2"	EMT	48 1/2"	EMT	2-14 AWG THHN - 1-10amp THHN


 PROJECT NO. \_\_\_\_\_  
 PROJECT TITLE: \_\_\_\_\_  
 CLIENT: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_  
 LICENSE NO. \_\_\_\_\_  
 EXPIRES: \_\_\_\_\_  
 OFFICE: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 FAX: \_\_\_\_\_  
 E-MAIL: \_\_\_\_\_  
 WEBSITE: \_\_\_\_\_  
 PROJECT LOCATION: \_\_\_\_\_  
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 PROJECT TITLE: \_\_\_\_\_  
 CLIENT: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_  
 LICENSE NO. \_\_\_\_\_  
 EXPIRES: \_\_\_\_\_  
 OFFICE: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 FAX: \_\_\_\_\_  
 E-MAIL: \_\_\_\_\_  
 WEBSITE: \_\_\_\_\_  
 PROJECT LOCATION: \_\_\_\_\_







REPUBLIC OF THE PHILIPPINES  
OFFICE OF THE MAYOR  
ENGINEERING DEPARTMENT  
ARCHITECTURAL OFFICE

PROPOSED 1ST FLOOR  
WATER SUPPLY  
COVERED STRUCTURE

*[Signature]*  
ARCHITECT

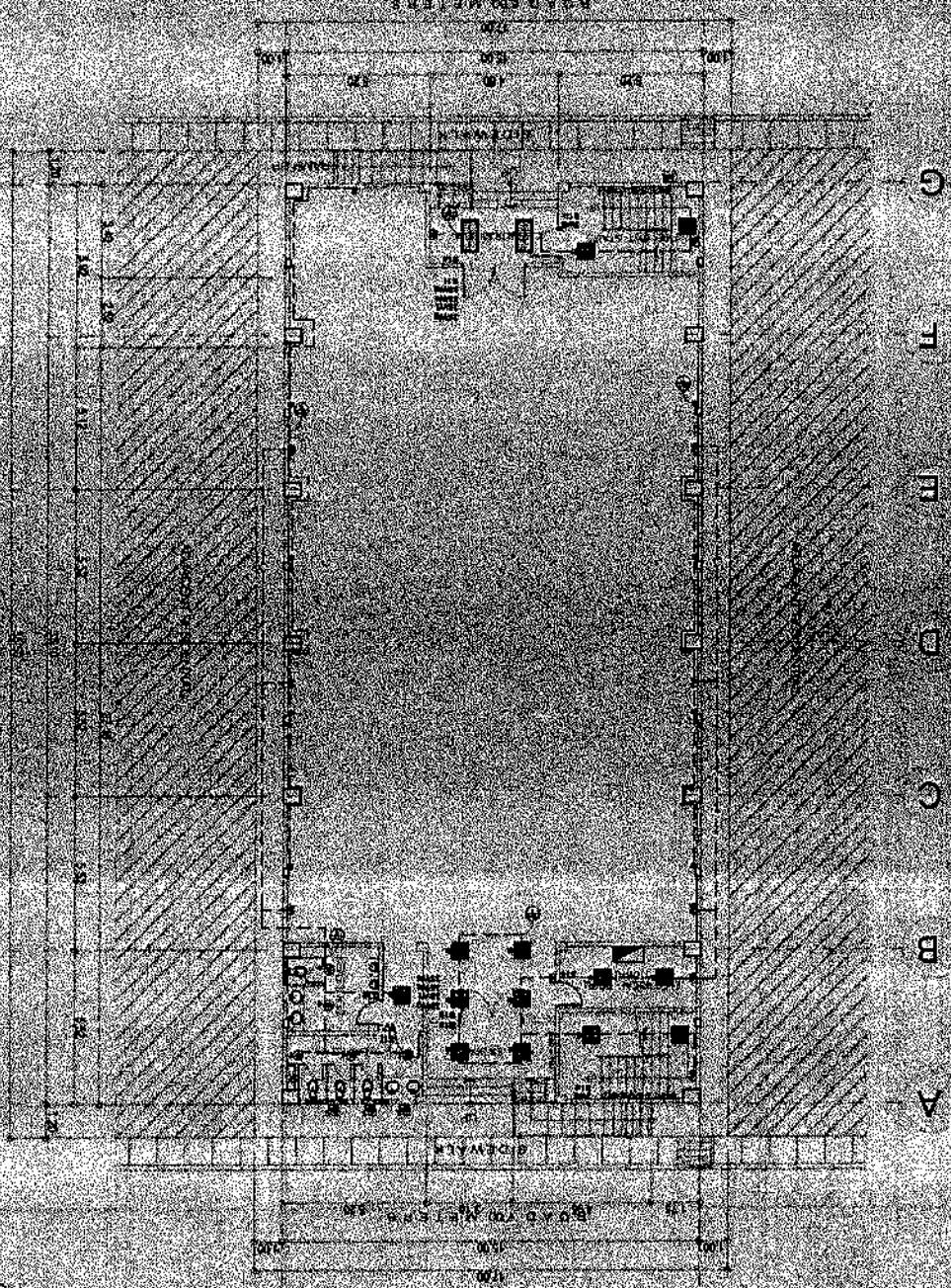
*[Signature]*  
ENGINEER

*[Signature]*  
SUPERVISOR

DATE: 10/10/11

AS SHOWN  
E-1

GROUND FLOOR PLAN  
LIGHTING AND POWER LAYOUT





OFFICE OF THE MAYOR  
 ENGINEERING DEPARTMENT  
 ARCHITECTURAL OFFICE

PROPOSED 10000 STONE  
 AND POLICE STATION  
 COVERED EQUIP

*[Signature]*

*[Signature]*

*[Signature]*

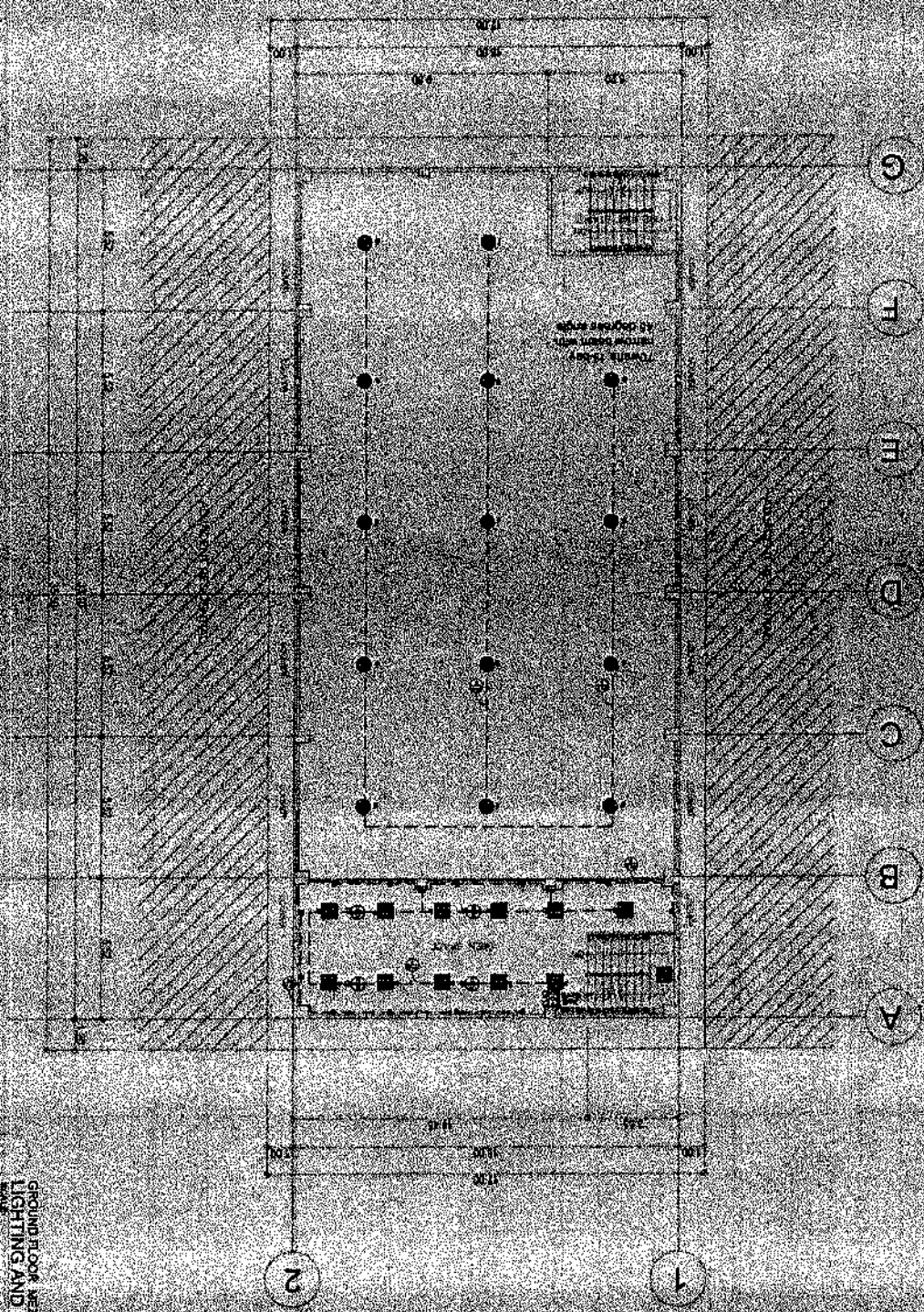
*[Signature]*

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AS SHOWN



GROUND FLOOR MEZZANINE AND  
 LIGHTING AND POWER LAYOUT





OFFICE OF THE MAYOR  
ENGINEERING DEPARTMENT  
ARCHITECTURAL OFFICE

PROPOSED TWO (2) STORY  
MULTI-PURPOSE BUILDING WITH  
COVERED COURT

DATE: 11/10/11  
SCALE: AS SHOWN

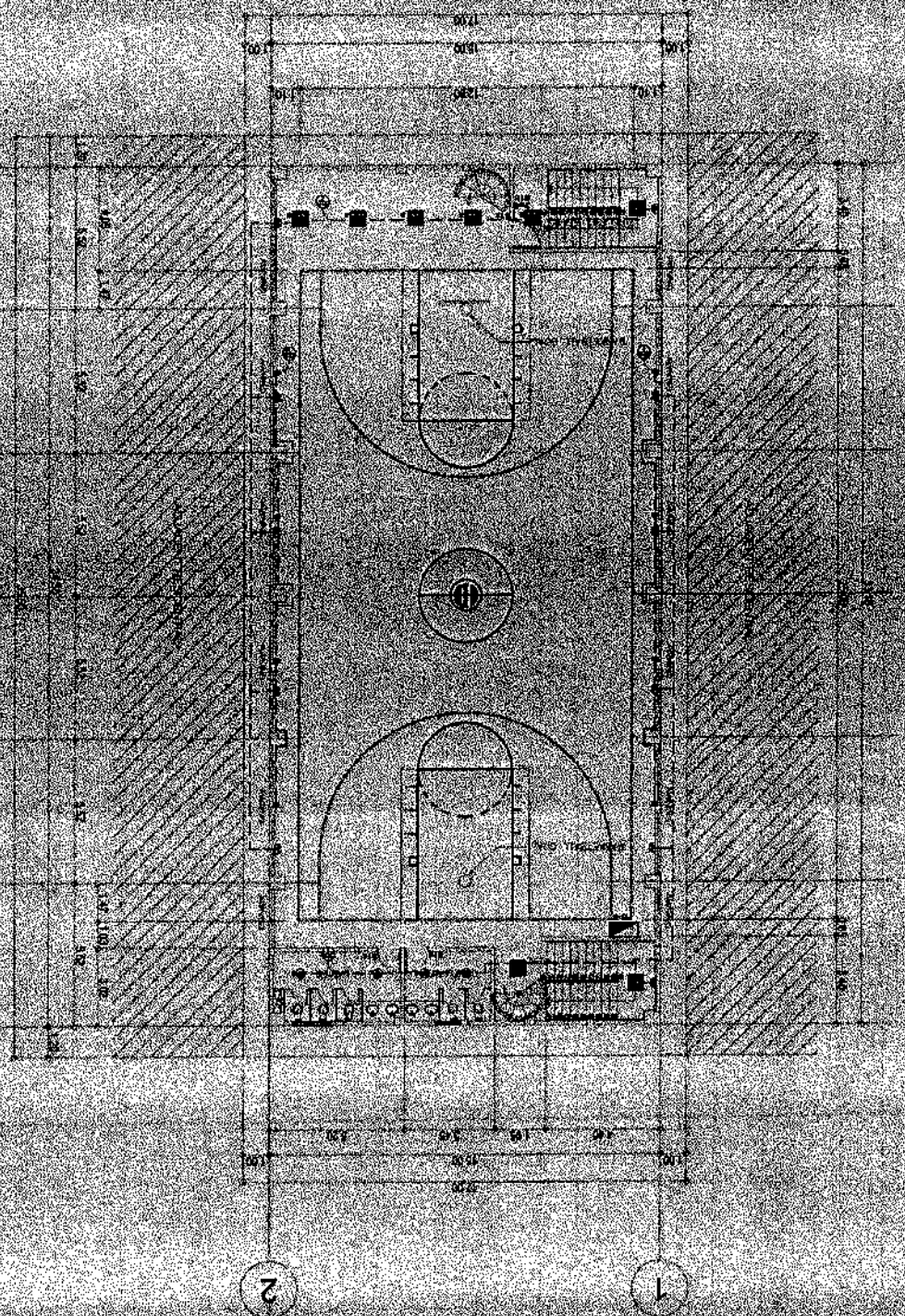
PROJECT NO. 11-001

DATE: 11/10/11

SCALE: AS SHOWN

DATE: 11/10/11

SECOND FLOOR PLAN  
LIGHTING AND POWER LAYOUT





OFFICE OF THE MAYOR  
 ENGINEERING DEPARTMENT  
 ARCHITECTURAL OFFICE

PROPOSED 3RD FLOOR  
 WITH 4TH FLOOR  
 DOWNCAST COURT

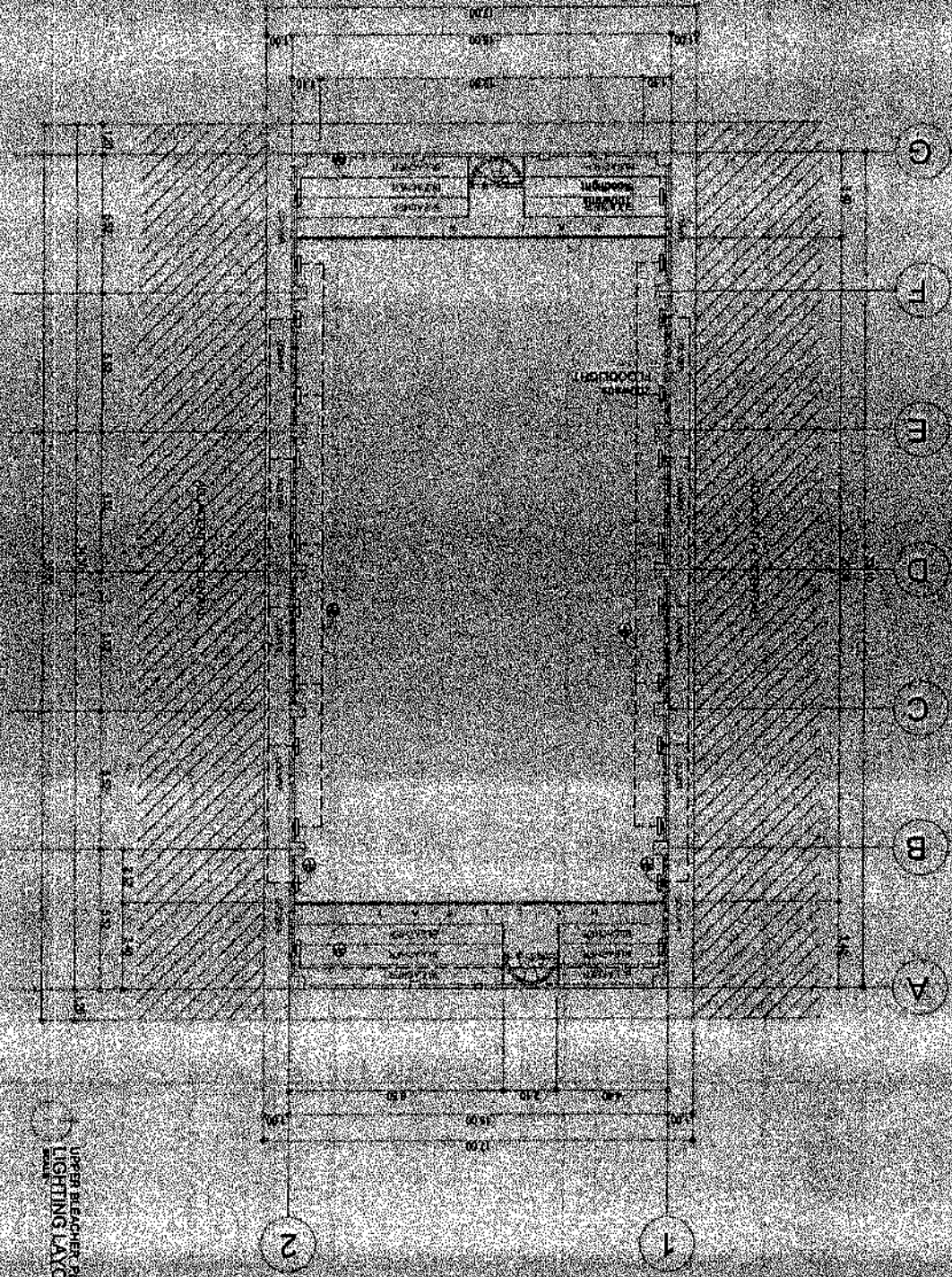
*[Signature]*

*[Signature]*

*[Signature]*

DATE: 11/15/11

BY: [Signature]



UPPER BLEACHER PLAN  
 LIGHTING LAYOUT

**MECHANICAL NOTES**

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

CONTRACTOR SHALL BE RESPONSIBLE IN VERIFYING AND  
COORDINATING THE FOLLOWING IN ACCORDANCE  
WITH MANUFACTURER'S DATA AND RECOMMENDATIONS:

- FLOOR AND WALL OPENINGS
- EQUIPMENT RAMP/PEDESTALS

CONDENSATE DRAIN PIPES SHALL BE TYPED TO  
NEAREST DOWNSLOPE 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 CLADDED WITH ALUMINUM SHEET OF  
MACHINE SHOP FABRICATED.

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

ALL MECHANICAL EQUIPMENT & INSTALLATION SHOULD  
STRICTLY COMPLY WITH THE MECHANICAL  
EQUIPMENT RECOMMENDED INSTALLATION'S 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 NO.	DESCRIPTION	QTY	ACQ. COST	TYPE OF VENTILATION	VOLTS	PHASE	HEIGHT	REMARKS
1	INDUSTRIAL WALL EXHAUST FAN WITH SHIFTER	1	220	1Φ	220	1Φ	80	PROVIDE SUPPORT AND ENCLOSURE FOR EXHAUST FAN TO AVOID WATER LEAK AND ANY OTHER DAMAGE OF THE EQUIPMENT.
2	INDUSTRIAL WALL EXHAUST FAN	1	220	1Φ	220	1Φ	80	PROVIDE SUPPORT
3	INDUSTRIAL WALL EXHAUST FAN WITH SHIFTER	1	220	1Φ	220	1Φ	80	PROVIDE SUPPORT AND ENCLOSURE FOR EXHAUST FAN TO AVOID WATER LEAK AND ANY OTHER DAMAGE OF THE EQUIPMENT.
4	INDUSTRIAL WALL EXHAUST FAN	1	220	1Φ	220	1Φ	80	PROVIDE SUPPORT



OFFICE OF THE MAYOR  
ENGINEERING DEPARTMENT  
ARCHITECTURAL OFFICE

PROPOSED THIRD STORY  
MULTIPURPOSE BUILDING IN  
CONGRESS COURT

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*

ALL SHOWN  
E-0





REPUBLIC OF THE CALIFORNIA  
 CITY OF LOS ANGELES  
**ENGINEERING DEPARTMENT**  
 OFFICE OF THE MANAGER  
 ARCHITECTURAL OFFICE

DEPARTMENT OF PUBLIC WORKS  
 MULTI-STORY BUILDING  
 COVERED COURT

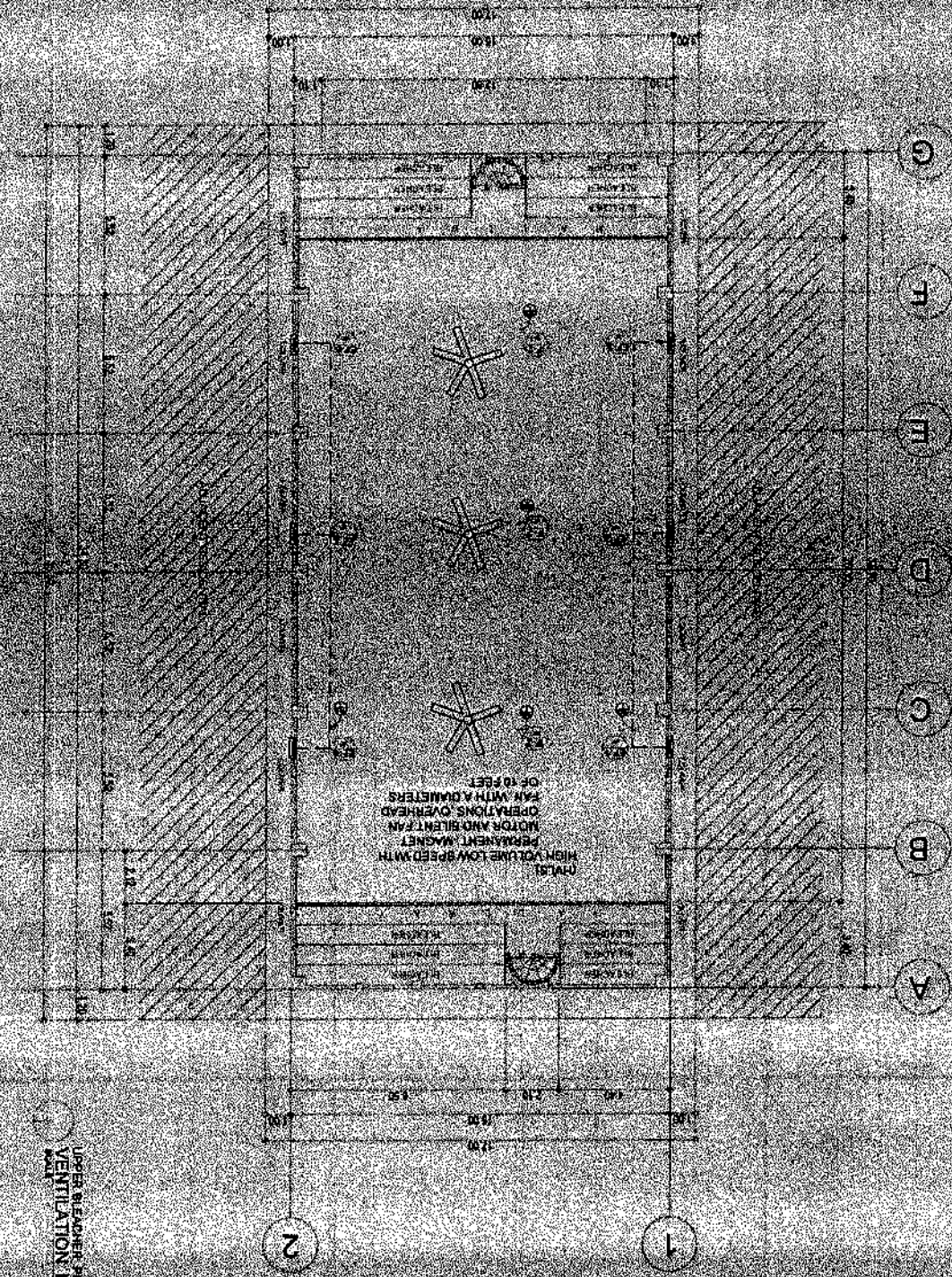
*[Signature]*  
 ARCHITECT

*[Signature]*  
 ENGINEER

*[Signature]*  
 ARCHITECT

AS SHOWN  
 E-10

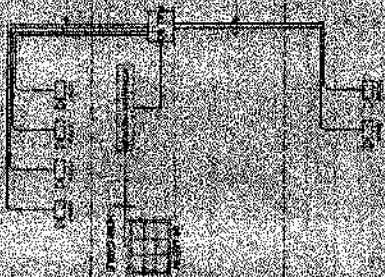
**UPPER FLOOR PLAN  
 VENTILATION LAYOUT**



APPROVED FOR THE CITY OF LOS ANGELES  
 BY THE ENGINEERING DEPARTMENT  
 ON BEHALF OF THE CITY ENGINEER  
 DATE: 10/15/1910

**CCTV NOTES AND SPECIFICATIONS**

1. ALL ELECTRONIC WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE.
2. ALL ELECTRICAL WORKS AND INSTALLATION SHALL BE PERFORMED UNDER THE STRICT SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER (PEES) AS PER SUBSECTION 2.02.
3. ALL MATERIALS TO BE USED AND EQUIPMENT (CCTV & VCR) MUST BE OF HIGH QUALITY AND CONFORM TO THE INDUSTRY STANDARDS.
4. INSTALLING PARTY SHOULD CONSULT THE OWNER AND OTHER TRADES WORKING IN THE SITE TO PROPERLY SCHEDULE TO AVOID CONFLICT WORKING SCHEDULES.
5. PLANS AS DRAWN ARE BASED UPON THE ARCHITECTURAL PLAN AND DETAILS. THE PLANS ON DIMENSIONAL DO NOT SCALE SHOW ALL FITTINGS. THE LOCATION OF CCTV AND OTHER EQUIPMENT IS APPROXIMATE.
6. SHOULD THE CABLING OF CCTV BE INSTALLED IN A CONDUIT CCTV CABLING MUST BE SEPARATE AND NOT JOINED IN WITH POWER CABLING.
7. MOUNTING OF THE CCTV SHOULD BE IN A MANNER THAT IT IS NOT OBSCURED AND MOUNTING HEIGHT SHOULD NOT BE HIGH AND TOO HIGH TO MAXIMIZE THE FIELD OF VIEW BUT NOT DEGRADE THE IMAGE QUALITY.
8. USE A MINIMUM OF 4MEGAPXEL CAMERA WITH IP68 PROTECTION WITH A SENSOR OF 1/3" (CODOM).
9. CCTV CAMERA LENS SPECIFICATIONS:
  - 1. 28mm MINIMUM DIAMETER OF CCTV CAMERA LENS FOR UNDER VIEW.
  - 2. 20mm MINIMUM DIAMETER OF CCTV CAMERA LENS FOR PANORAMIC VIEW.
10. ALL EQUIPMENT AND DEVICES MUST BE LISTED.



**RISER DIAGRAM  
CLOSED CIRCUIT TELEVISION SYSTEM**



OFFICE OF THE MAYOR  
ENGINEERING DEPARTMENT  
ARCHITECTURAL OFFICE

PROPOSED WORK TO BE PERFORMED  
MULTI-FAMILY RESIDENTIAL BUILDING  
CONVERSION

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

APPROVED BY: [Signature]  
DATE: [Date]

DATE: [Date]

AS SHOWN  
E11

IN A BUILDING OR STRUCTURE, THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT TO BE INSTALLED AND FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY FIRE, THEFT, VANDALISM, AND OTHER CAUSES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY WATER, FLOODING, AND OTHER CAUSES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY COLLISION, IMPACT, AND OTHER CAUSES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY VIBRATION, SHOCK, AND OTHER CAUSES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY ELECTRIC ARC FLASH, ELECTRIC SHOCK, AND OTHER CAUSES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY OVERHEATING, OVERCURRENT, AND OTHER CAUSES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY CORROSION, WEAR, AND OTHER CAUSES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY UNDESIRABLE ELECTROMAGNETIC INTERFERENCE (EMI) AND RADIO FREQUENCY INTERFERENCE (RFI). THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY LIGHTNING STRIKES AND OTHER CAUSES. THE ENGINEER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ELECTRICAL SYSTEMS AND EQUIPMENT FROM DAMAGE BY OTHER CAUSES.





OFFICE OF THE MAYOR  
ENGINEERING DEPARTMENT  
ADMINISTRATIVE OFFICE

PROPOSED TWO STORY  
MANUFACTURING BUILDING  
SHEPHERD COURT

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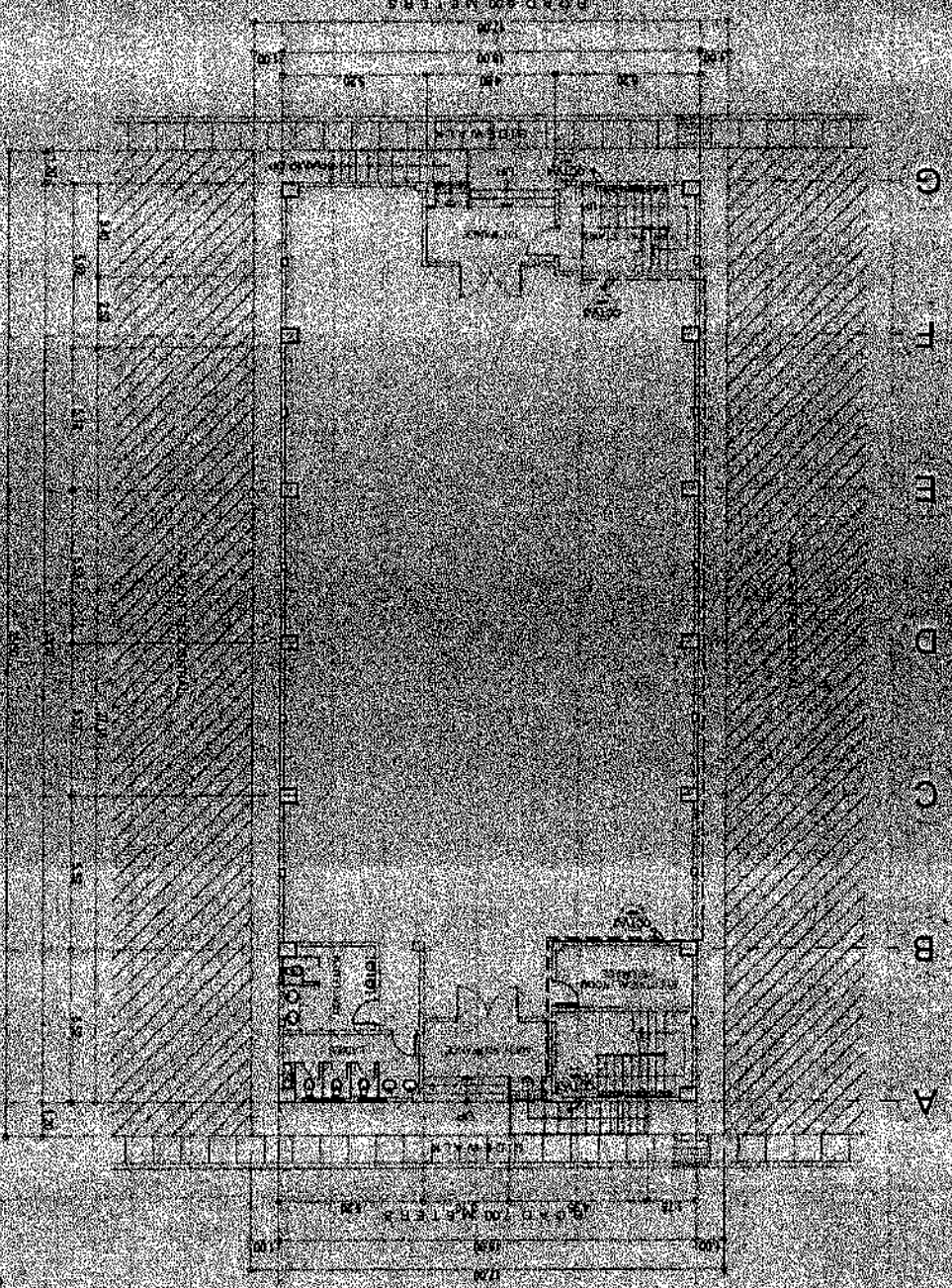
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AS SHOWN



GROUND FLOOR PLAN  
SECTION LAYOUT



1. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

2. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

3. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

4. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

5. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

6. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

7. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

8. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

9. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.

10. THE ENGINEER HAS REVIEWED THE SUBMITTED DRAWINGS AND FINDS THEM TO BE IN ACCORDANCE WITH THE CITY OF CHICAGO BUILDING DEPARTMENT REQUIREMENTS FOR THE PROPOSED WORK.



REPUBLIC OF THE PHILIPPINES  
 OFFICE OF THE MAYOR  
**ENGINEERING DEPARTMENT**  
 ARCHITECTURAL OFFICE

PROPOSED 2ND TO 5TH FLOOR  
 MULTI-PURPOSE CITY CENTER  
 PROJECT NO. 101-101-101-101

*[Signature]*

*[Signature]*

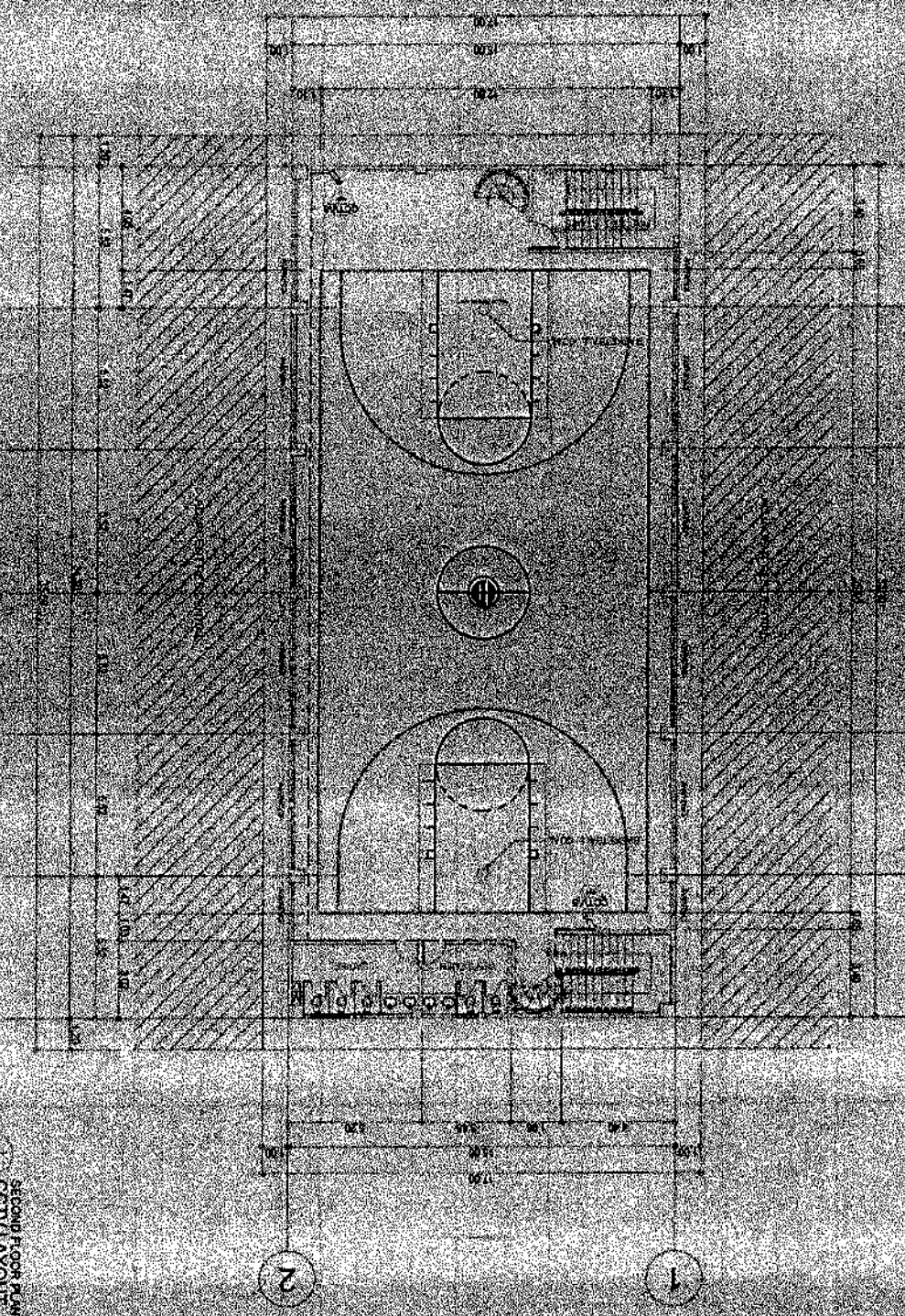
*[Signature]*

WORKSHEET NO. 101-101-101-101  
 SHEET NO. 101-101-101-101

AS SHOWN



SECOND FLOOR PLAN  
 CITY LAYOUT





**ENGINEERING DEPARTMENT**

OFFICE OF THE MAYOR  
CITY OF CHICAGO  
ARCHITECTURAL OFFICE

PROPOSED 2ND FLOOR  
MULTI-PURPOSE PUB AND  
COVERED COURT

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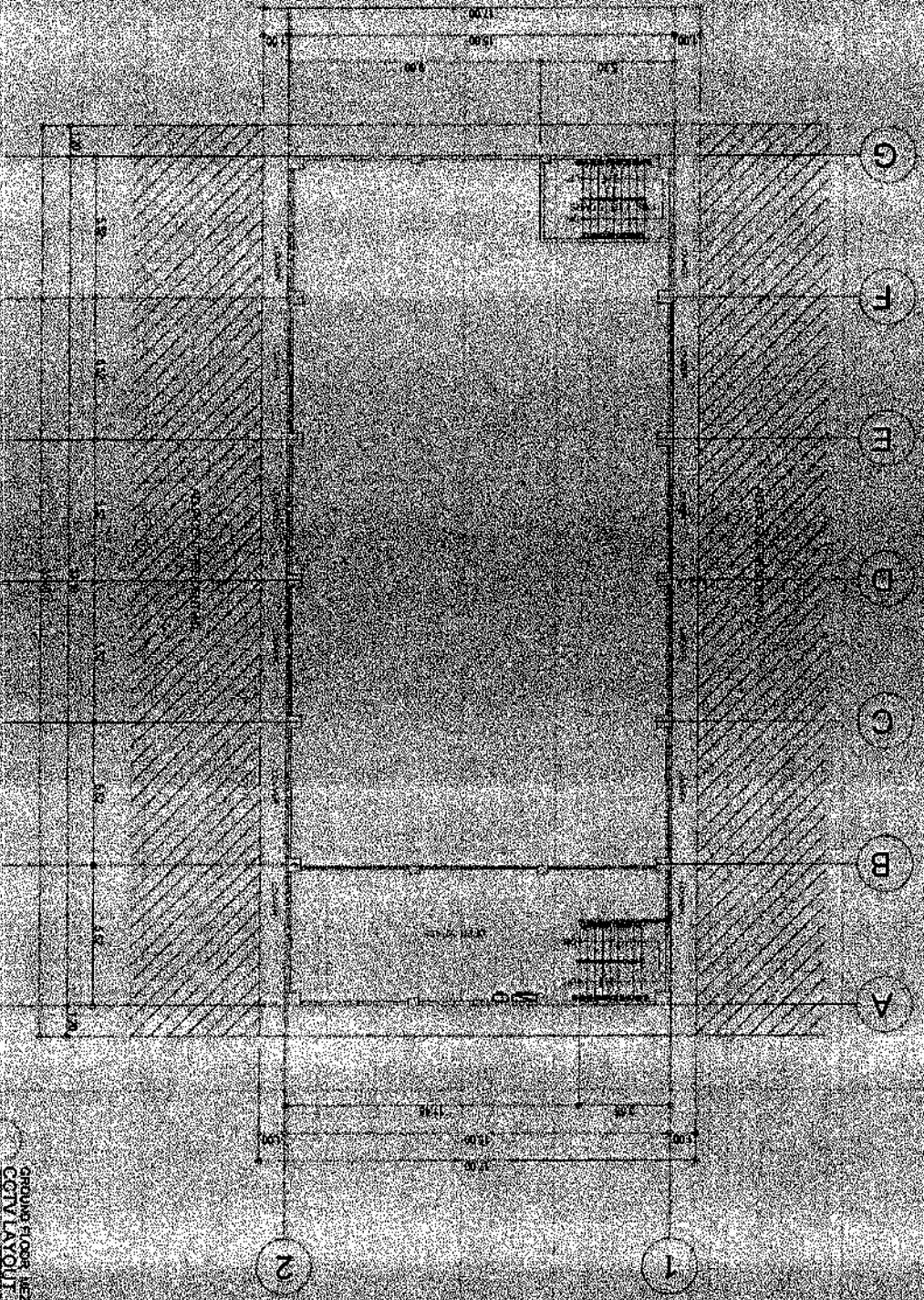
*[Signature]*

ARCHITECT

AS SHOWN



GROUND FLOOR BEZELLINE PLAN  
COVERED COURT



1. ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY.

2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.

4. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE CURB UNLESS OTHERWISE NOTED.

5. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE ROAD UNLESS OTHERWISE NOTED.

6. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE SIDEWALK UNLESS OTHERWISE NOTED.

7. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PLAZA UNLESS OTHERWISE NOTED.

8. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PARK UNLESS OTHERWISE NOTED.

9. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE GROUND UNLESS OTHERWISE NOTED.

10. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE AIR UNLESS OTHERWISE NOTED.

11. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE WATER UNLESS OTHERWISE NOTED.

12. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE FIRE UNLESS OTHERWISE NOTED.

13. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE POLICE UNLESS OTHERWISE NOTED.

14. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE COURT UNLESS OTHERWISE NOTED.

15. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE PUB UNLESS OTHERWISE NOTED.

**1.0 CONCRETE HOLLOW BLOCKS**

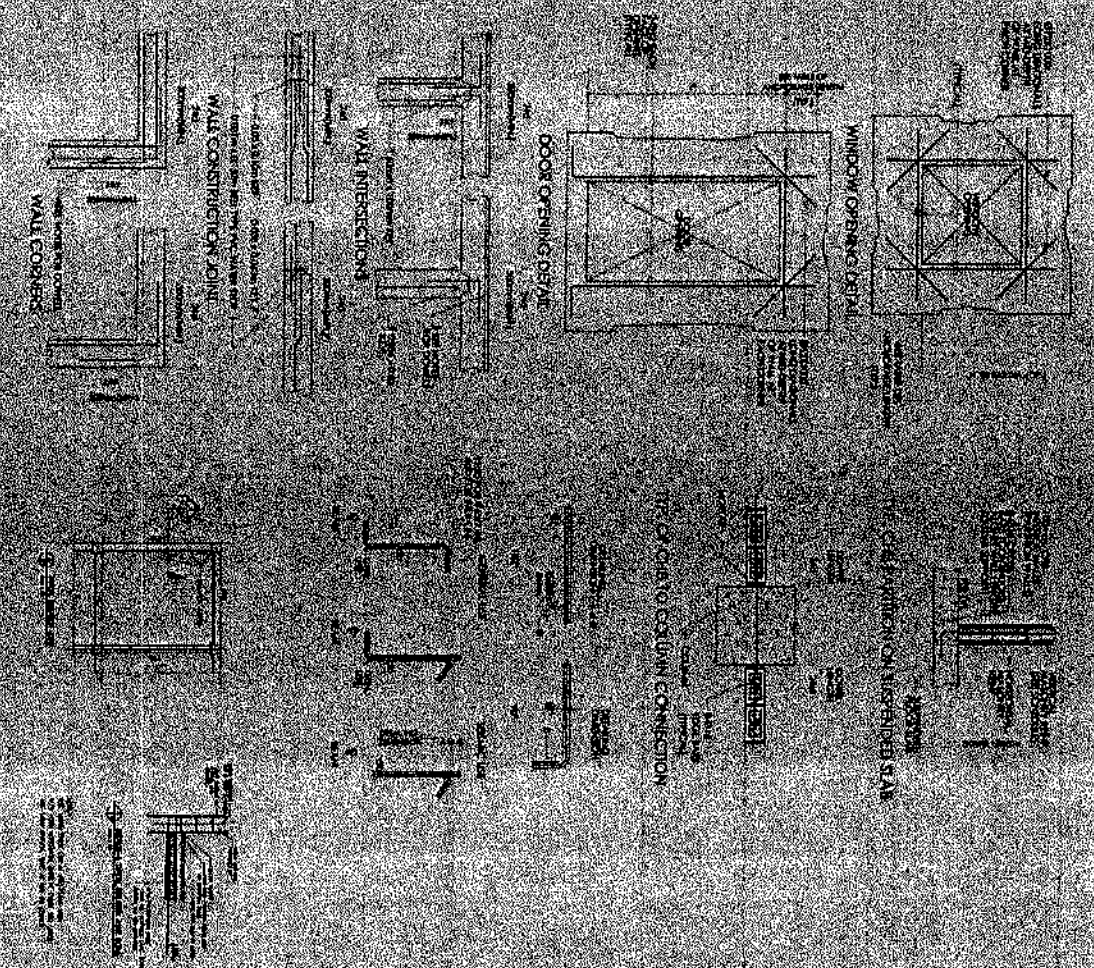
ITEM	DESCRIPTION	UNIT	QTY	PRICE	TOTAL
1	CONCRETE HOLLOW BLOCKS	M <sup>3</sup>			
2	CONCRETE HOLLOW BLOCKS	M <sup>3</sup>			
3	CONCRETE HOLLOW BLOCKS	M <sup>3</sup>			
4	CONCRETE HOLLOW BLOCKS	M <sup>3</sup>			
5	CONCRETE HOLLOW BLOCKS	M <sup>3</sup>			

**1.1 CONCRETE WALLS**

ITEM	DESCRIPTION	UNIT	QTY	PRICE	TOTAL
1	CONCRETE WALLS	M <sup>3</sup>			
2	CONCRETE WALLS	M <sup>3</sup>			
3	CONCRETE WALLS	M <sup>3</sup>			
4	CONCRETE WALLS	M <sup>3</sup>			
5	CONCRETE WALLS	M <sup>3</sup>			

**1.2 PRECAST WALLS**

ITEM	DESCRIPTION	UNIT	QTY	PRICE	TOTAL
1	PRECAST WALLS	M <sup>3</sup>			
2	PRECAST WALLS	M <sup>3</sup>			
3	PRECAST WALLS	M <sup>3</sup>			
4	PRECAST WALLS	M <sup>3</sup>			
5	PRECAST WALLS	M <sup>3</sup>			



**1.3 CONSTRUCTION JOINTS**

CONSTRUCTION JOINTS

1.3.1 CONSTRUCTION JOINTS

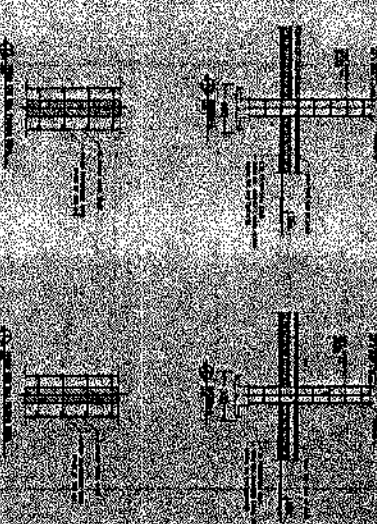
1.3.2 CONSTRUCTION JOINTS

1.3.3 CONSTRUCTION JOINTS

1.3.4 CONSTRUCTION JOINTS

1.3.5 CONSTRUCTION JOINTS

ITEM	DESCRIPTION	UNIT	QTY	PRICE	TOTAL
1	CONSTRUCTION JOINTS	M <sup>3</sup>			
2	CONSTRUCTION JOINTS	M <sup>3</sup>			
3	CONSTRUCTION JOINTS	M <sup>3</sup>			
4	CONSTRUCTION JOINTS	M <sup>3</sup>			
5	CONSTRUCTION JOINTS	M <sup>3</sup>			



ENGINEERING DEPARTMENT

UNIVERSITY OF ...

...

...

...

...

...

...

Vertical text on the left margin containing project details and department information.

Vertical text on the right margin, likely a scale or reference.

**1.0 GENERAL**

1.1. The contractor shall be responsible for obtaining all necessary permits and licenses for the construction of the project.

1.2. The contractor shall be responsible for the safety of all workers and the public during the construction of the project.

1.3. The contractor shall be responsible for the protection of all existing utilities and structures on the site.

1.4. The contractor shall be responsible for the maintenance of access to all adjacent properties and public roads.

1.5. The contractor shall be responsible for the removal and disposal of all construction waste in accordance with applicable laws and regulations.

**2.0 CONCRETE**

2.1. All concrete shall be placed and finished in accordance with the provisions of the Specifications for Concrete Construction, Part 05 20 00, Section 05 20 00-10, and the details shown on the drawings.

2.2. The concrete shall be placed and finished in accordance with the provisions of the Specifications for Concrete Construction, Part 05 20 00, Section 05 20 00-10, and the details shown on the drawings.

**3.0 REINFORCING BARS**

3.1. All reinforcing bars shall be placed and finished in accordance with the provisions of the Specifications for Reinforcing Bars, Part 05 30 00, Section 05 30 00-10, and the details shown on the drawings.

3.2. The reinforcing bars shall be placed and finished in accordance with the provisions of the Specifications for Reinforcing Bars, Part 05 30 00, Section 05 30 00-10, and the details shown on the drawings.

**4.0 STRUCTURAL STEEL**

4.1. All structural steel shall be placed and finished in accordance with the provisions of the Specifications for Structural Steel, Part 05 40 00, Section 05 40 00-10, and the details shown on the drawings.

4.2. The structural steel shall be placed and finished in accordance with the provisions of the Specifications for Structural Steel, Part 05 40 00, Section 05 40 00-10, and the details shown on the drawings.

**5.0 FORMWORKS**

5.1. All formworks shall be placed and finished in accordance with the provisions of the Specifications for Formworks, Part 05 50 00, Section 05 50 00-10, and the details shown on the drawings.

5.2. The formworks shall be placed and finished in accordance with the provisions of the Specifications for Formworks, Part 05 50 00, Section 05 50 00-10, and the details shown on the drawings.

**6.0 FOUNDATION**

6.1. All foundations shall be placed and finished in accordance with the provisions of the Specifications for Foundations, Part 05 60 00, Section 05 60 00-10, and the details shown on the drawings.

6.2. The foundations shall be placed and finished in accordance with the provisions of the Specifications for Foundations, Part 05 60 00, Section 05 60 00-10, and the details shown on the drawings.

**7.0 CONCRETE COLUMNS**

7.1. All concrete columns shall be placed and finished in accordance with the provisions of the Specifications for Concrete Columns, Part 05 70 00, Section 05 70 00-10, and the details shown on the drawings.

7.2. The concrete columns shall be placed and finished in accordance with the provisions of the Specifications for Concrete Columns, Part 05 70 00, Section 05 70 00-10, and the details shown on the drawings.

**8.0 BEAMS & GIRDERS**

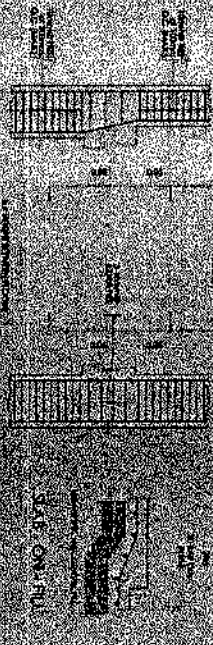
8.1. All beams and girders shall be placed and finished in accordance with the provisions of the Specifications for Beams & Girders, Part 05 80 00, Section 05 80 00-10, and the details shown on the drawings.

8.2. The beams and girders shall be placed and finished in accordance with the provisions of the Specifications for Beams & Girders, Part 05 80 00, Section 05 80 00-10, and the details shown on the drawings.

**9.0 CONCRETE SLAB**

9.1. All concrete slabs shall be placed and finished in accordance with the provisions of the Specifications for Concrete Slabs, Part 05 90 00, Section 05 90 00-10, and the details shown on the drawings.

9.2. The concrete slabs shall be placed and finished in accordance with the provisions of the Specifications for Concrete Slabs, Part 05 90 00, Section 05 90 00-10, and the details shown on the drawings.



**TABLE OF LAP SPICES & ANCHORAGE LENGTH**

Bar Size	Development Length (L <sub>d</sub> )	Lap Length (L <sub>l</sub> )	Anchor Length (L <sub>a</sub> )
3	1.0	1.5	1.5
4	1.2	1.8	1.8
5	1.5	2.2	2.2
6	1.8	2.7	2.7
7	2.1	3.2	3.2
8	2.4	3.6	3.6
9	2.7	4.1	4.1
10	3.0	4.5	4.5
11	3.3	5.0	5.0
12	3.6	5.4	5.4
13	3.9	5.9	5.9
14	4.2	6.3	6.3
15	4.5	6.8	6.8
16	4.8	7.2	7.2
17	5.1	7.7	7.7
18	5.4	8.1	8.1
19	5.7	8.6	8.6
20	6.0	9.0	9.0
21	6.3	9.5	9.5
22	6.6	10.0	10.0
23	6.9	10.5	10.5
24	7.2	11.0	11.0
25	7.5	11.5	11.5
26	7.8	12.0	12.0
27	8.1	12.5	12.5
28	8.4	13.0	13.0
29	8.7	13.5	13.5
30	9.0	14.0	14.0

**NOTES:**

1. All reinforcement shall be placed and finished in accordance with the provisions of the Specifications for Reinforcing Bars, Part 05 30 00, Section 05 30 00-10, and the details shown on the drawings.

2. The reinforcement shall be placed and finished in accordance with the provisions of the Specifications for Reinforcing Bars, Part 05 30 00, Section 05 30 00-10, and the details shown on the drawings.

REPUBLIC OF THE PHILIPPINES  
CITY OF PASAY

ENGINEERING DEPARTMENT

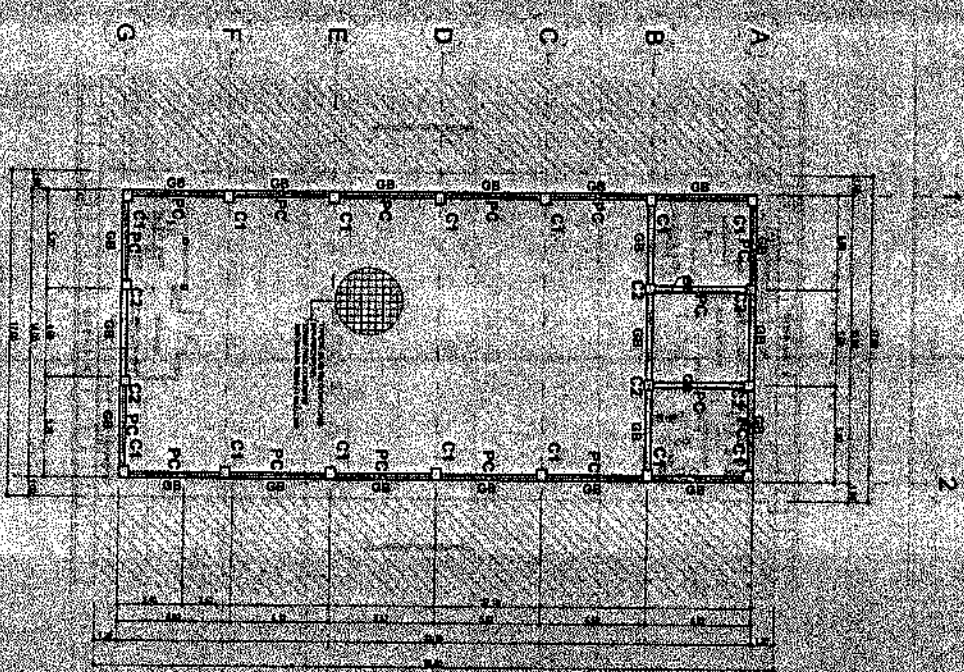
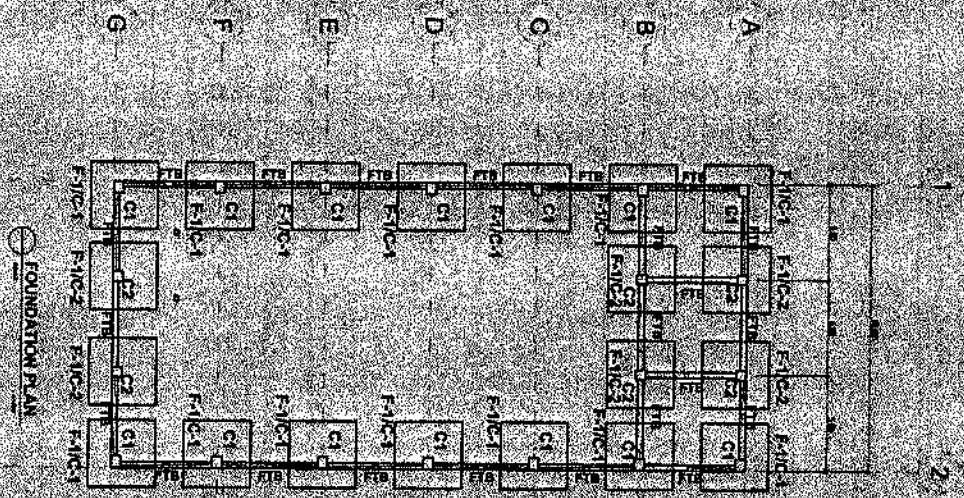
PROPOSED TWO (2) STOREY  
MULTI-PURPOSE BUILDING WITH  
COVERED COLLEGE

ENGINEER: ENGR. MARCO ANTONIO S. SANTIAGO

PROJECT MANAGER: ENGR. MARCO ANTONIO S. SANTIAGO

DATE: 11/15/2023

PROJECT NO.: 2113



STATE OF MICHIGAN  
 DEPARTMENT OF LAND AND NATURAL RESOURCES  
 DIVISION OF PROFESSIONAL ENGINEERING  
 ENGINEERING DEPARTMENT

PROJECT TITLE  
 PROPOSED TWO STORY  
 MULTI-PURPOSE BUILDING IN  
 COVERED SOUVIR

PROPOSER  
 ENGINEERING FIRM

DESIGNER  
 ENGINEER

APPROVED BY  
 PROFESSIONAL ENGINEER

APPROVED BY  
 PROFESSIONAL ENGINEER

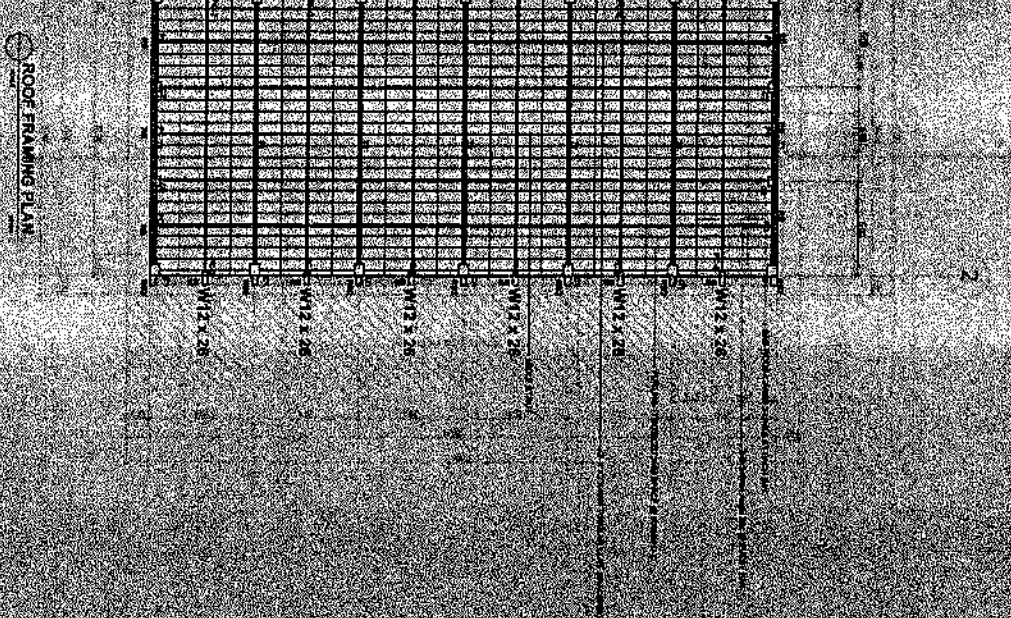
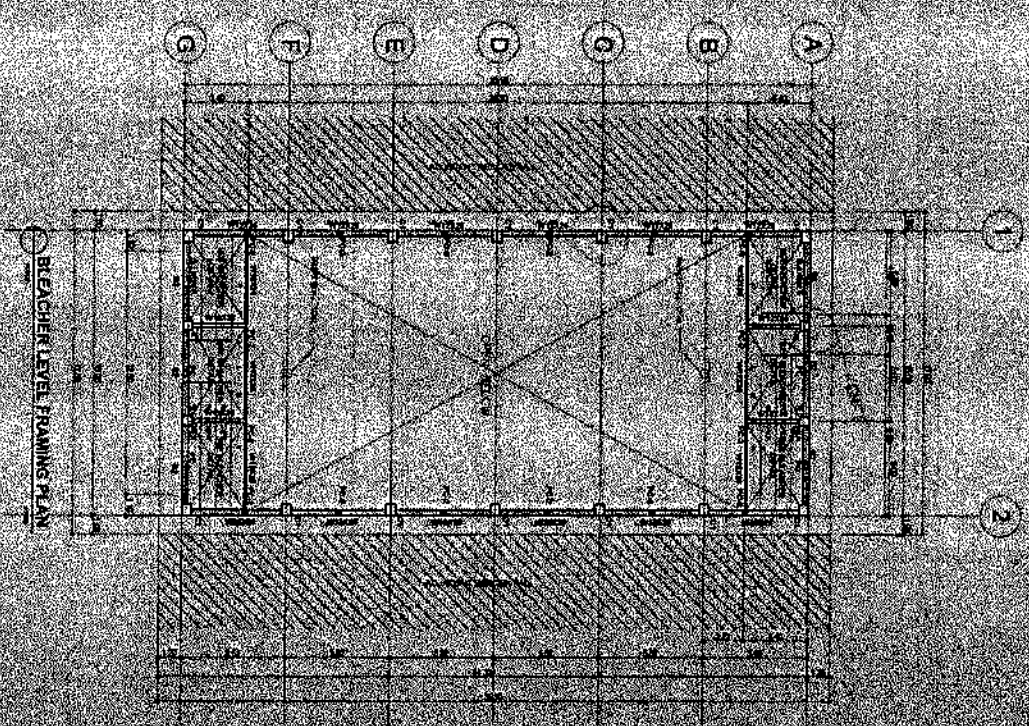
APPROVED BY  
 PROFESSIONAL ENGINEER

APPROVED BY  
 PROFESSIONAL ENGINEER

313

DATE





STATE OF FLORIDA  
 BOARD OF PROFESSIONAL ENGINEERS  
 VICTOR R. BERBEN  
 LICENSE NO. 513

PROJECT: PROPOSED AND A STONE  
 MOUNTAIN CONGRESS BUILDING  
 LOCATION: CONGRESS PARK, SPANISH CREEK  
 COUNTY: DADE COUNTY, FLORIDA

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

APPROVED BY: [Signature]  
 DATE: [Date]

PROJECT MANAGER: [Signature]  
 DATE: [Date]

PROJECT MANAGER: [Signature]  
 DATE: [Date]

VICTOR R. BERBEN, S.O.T.S.  
 ARCHITECTS

AS SHOWN  
 CONTRACT DOCUMENTS  
 5/13

S. P. N. S. A. 11.1.8





OFFICE OF THE COUNTY ENGINEER  
 COUNTY OF LOS ANGELES  
 ENGINEERING DEPARTMENT

PROJECT NO. 22 STORE  
 MULTIPURPOSE BUILDING  
 COVERED COURT

DATE: 01/15/2014  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

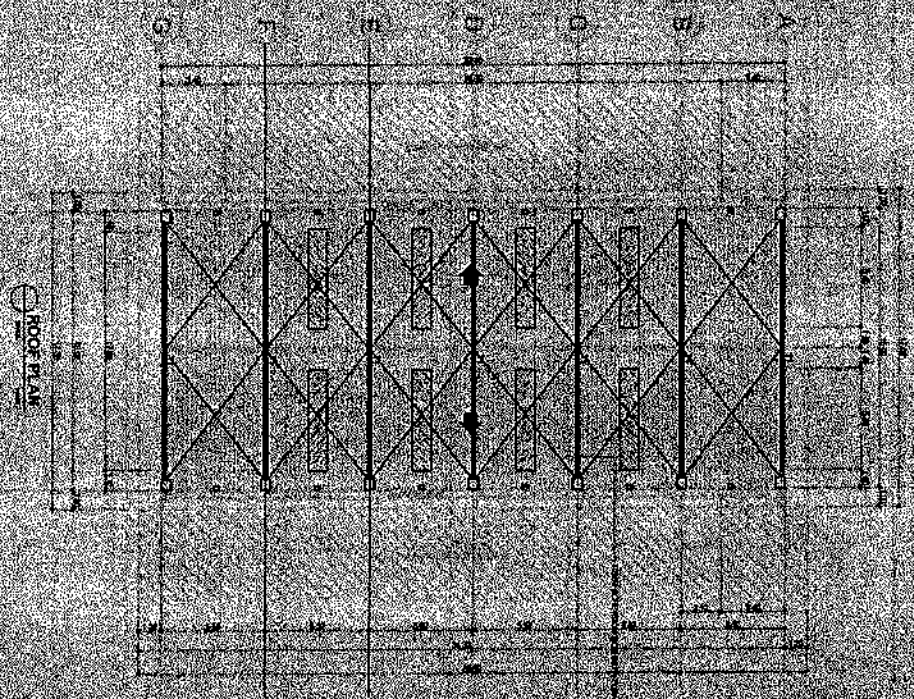
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DATE: 01/15/2014  
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 CHECKED BY: [Signature]

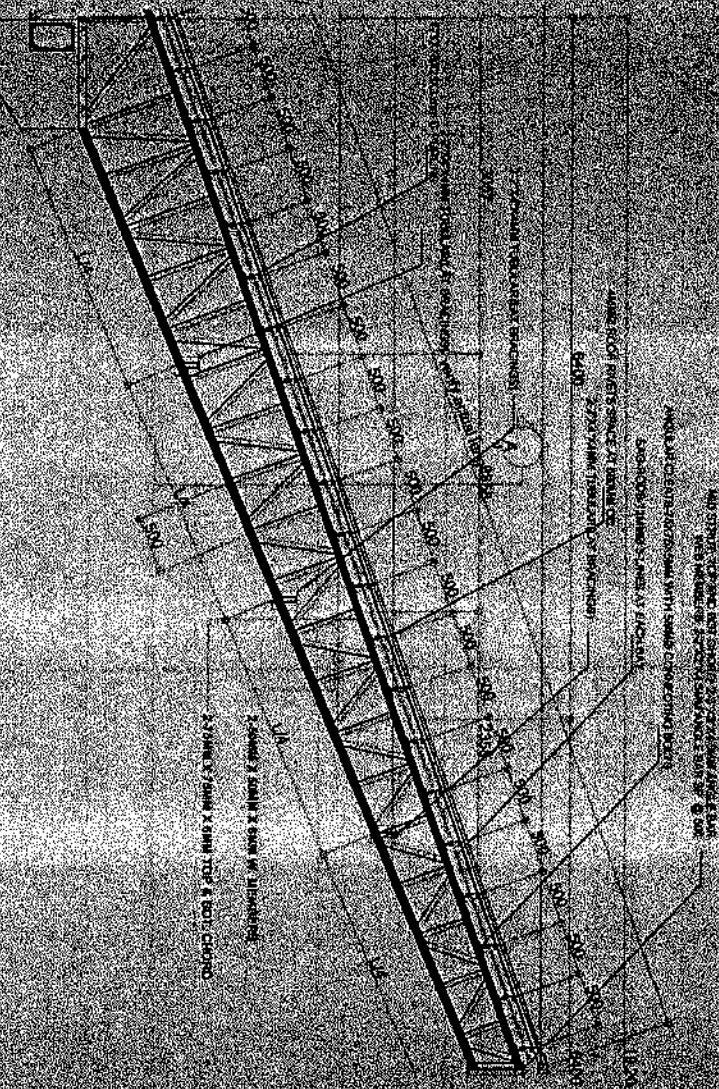
DESIGNED BY: [Signature]  
 APPROVED BY: [Signature]

DATE: 01/15/2014  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

DATE: 01/15/2014  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]



TRUSSES (T1) DETAILS



DATE: 01/15/2014  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]



PROFESSIONAL ENGINEER  
 CIVIL ENGINEERING  
 STATE OF CALIFORNIA  
 LICENSE NO. 10000

PROPOSED 12-STOREY  
 FACILITY BUILDING  
 CONSTRUCTION

PROJECT NO. 12-001  
 SHEET NO. 12-001-1

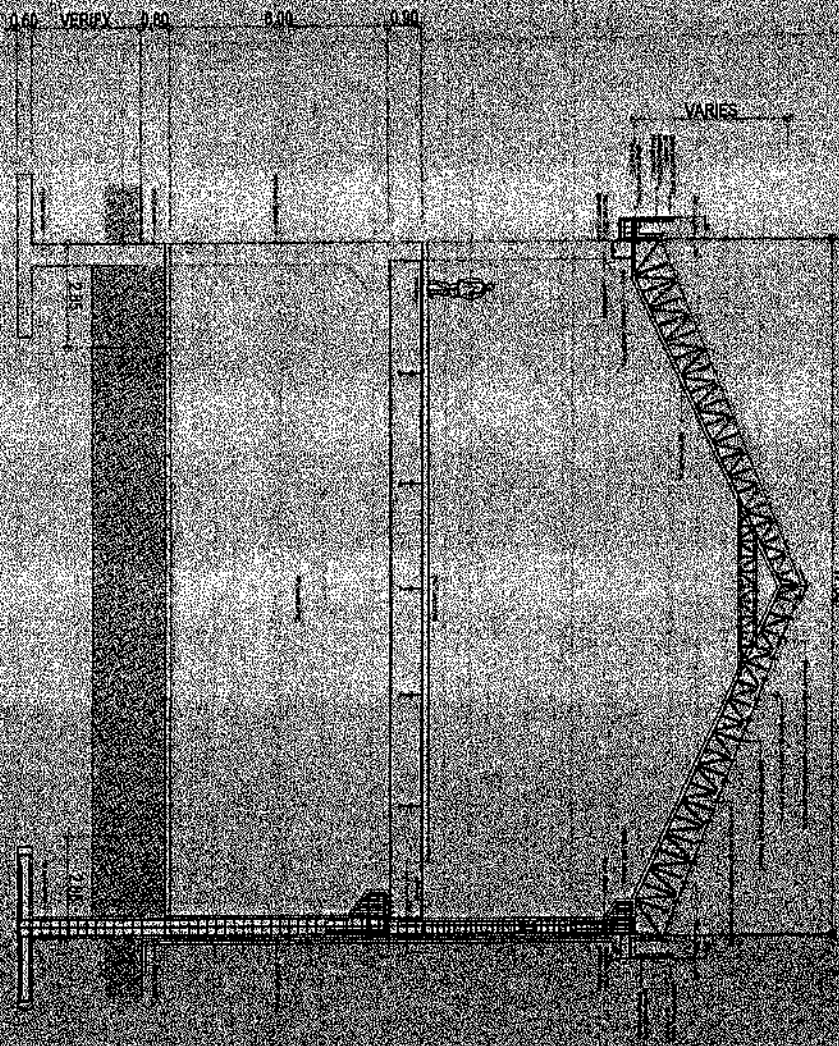
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SCALE: AS SHOWN

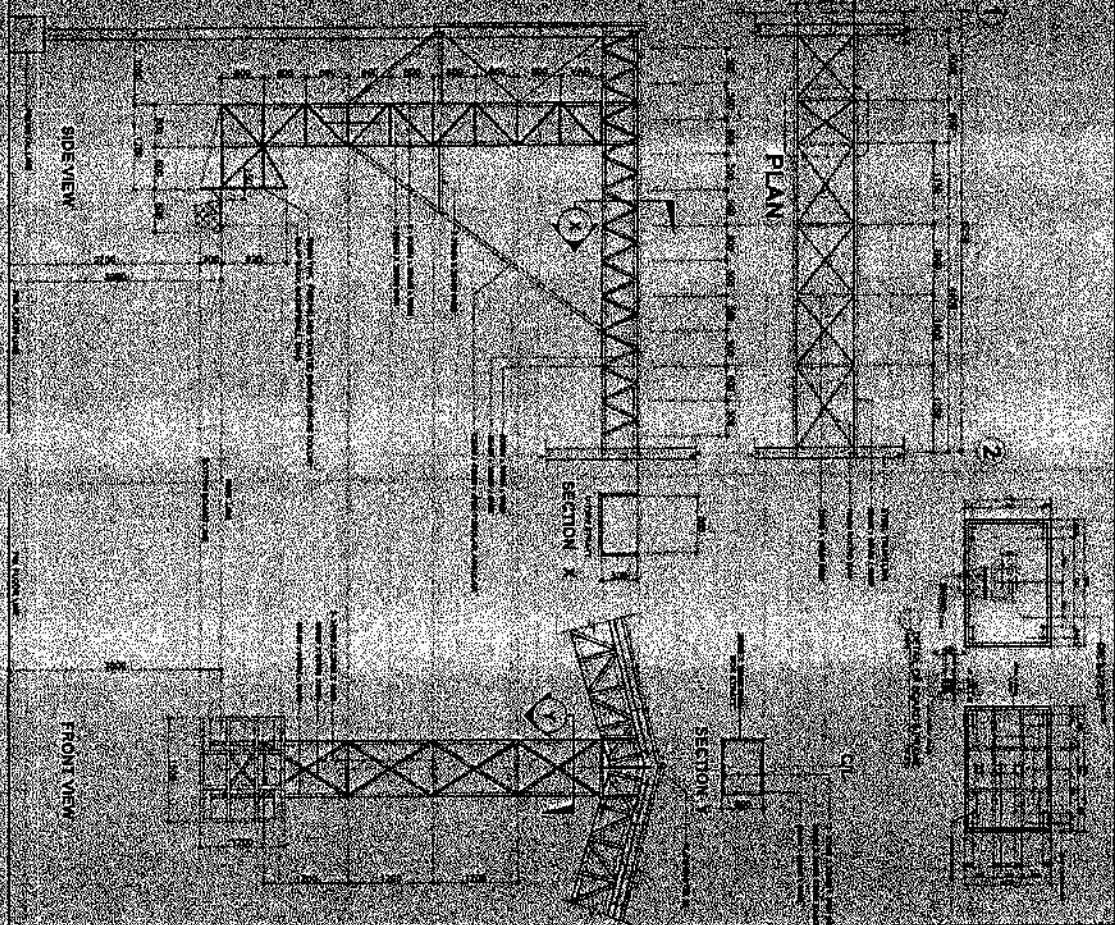
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PROJECT NO. 12-001

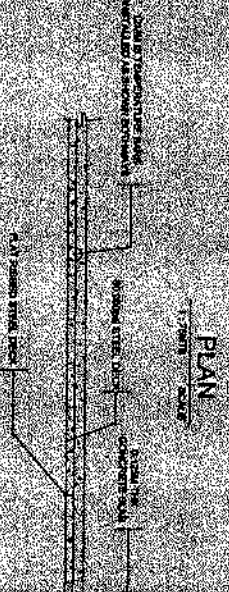
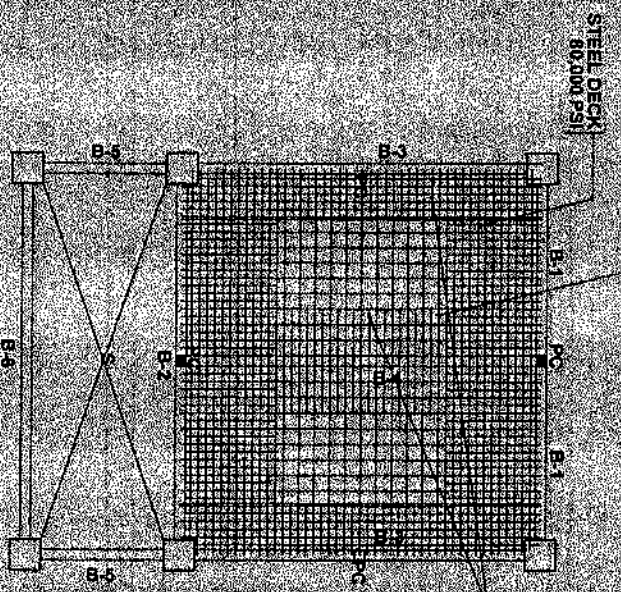
DATE: 12/15/2010



DETAIL & SECTION OF HANGING BOARD STEEL FRAME

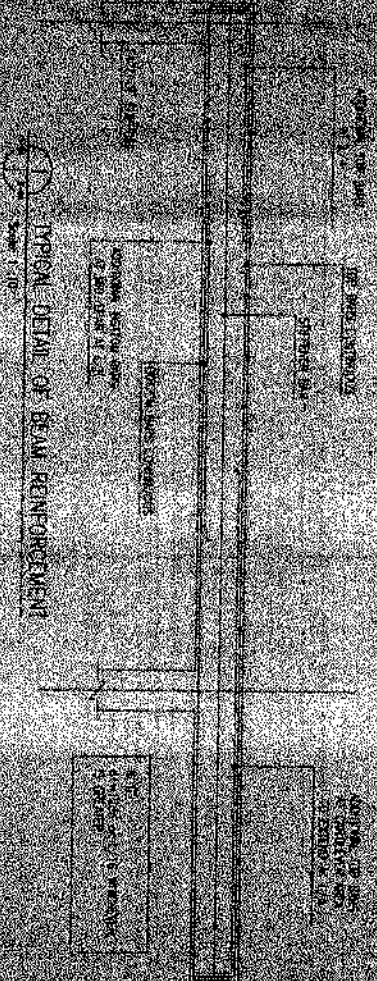


13MM & TEMPERATURE BARS  
BOTHWAYS SPACED @ 0.30M



TYPICAL DETAIL OF STEEL DECK

ADDITIONAL TOWNSHIP  
INTERNET INSTALLATION



SCHEDULE OF BEAMS

SPANS (M)	B (M)	SUPPORT		MIDSPAN		STIFFENER BARS	STIRRUPS
		TOP	BOT	TOP	BOT		
B-1	300	5-20MM	5-20MM	3-20MM	5-20MM	4-10MM	10MM STIRRUPS SPACING SHALL BE 150MM BUT SHALL REST @ 50MM ON CENTER
B-2	300	4-20MM	4-20MM	4-20MM	4-20MM	4-10MM	
B-3	300	5-20MM	5-20MM	5-20MM	5-20MM	4-10MM	
B-4	300	4-20MM	4-20MM	4-20MM	4-20MM	4-10MM	
B-5	300	4-20MM	4-20MM	4-20MM	4-20MM	4-10MM	
B-6	300	5-20MM	5-20MM	5-20MM	5-20MM	4-10MM	



State of Michigan  
Office of Engineering  
ENGINEER IN CHARGE

PROPOSED TO BE COVERED  
MADE TO BE COVERED

DESIGNED BY  
CHECKED BY

APPROVED BY

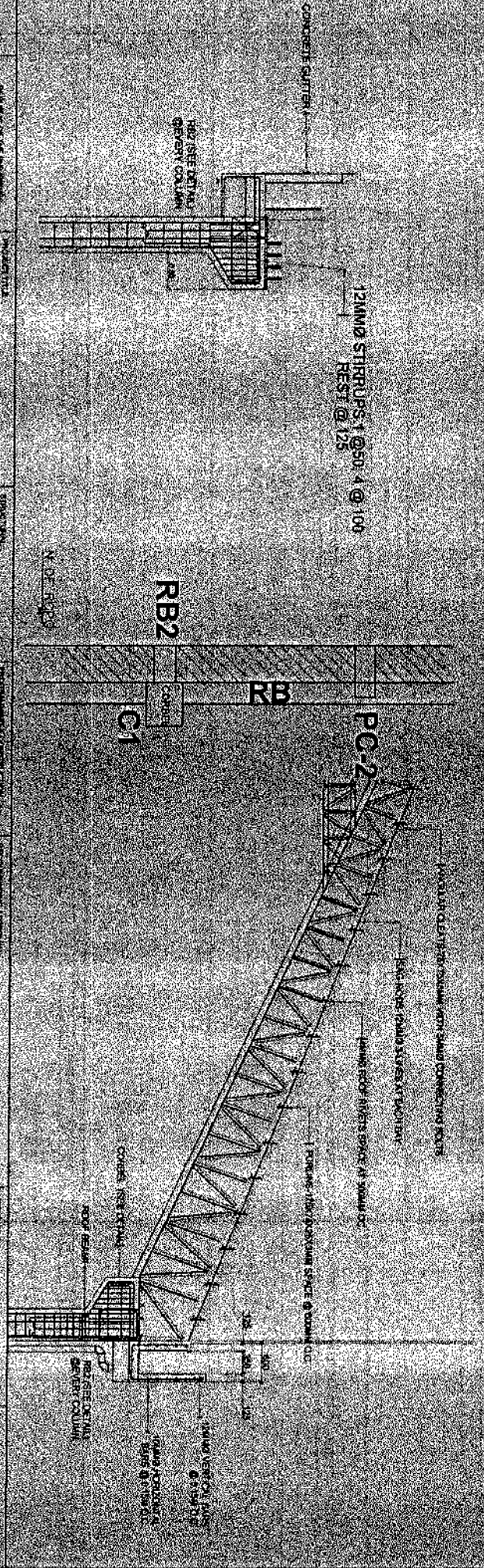
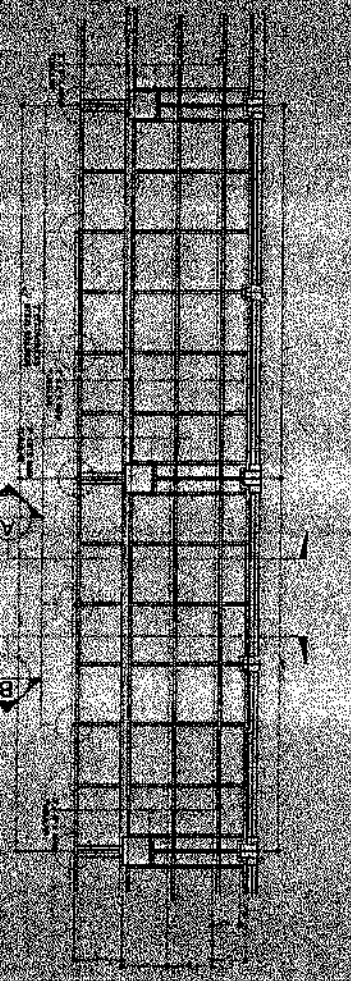
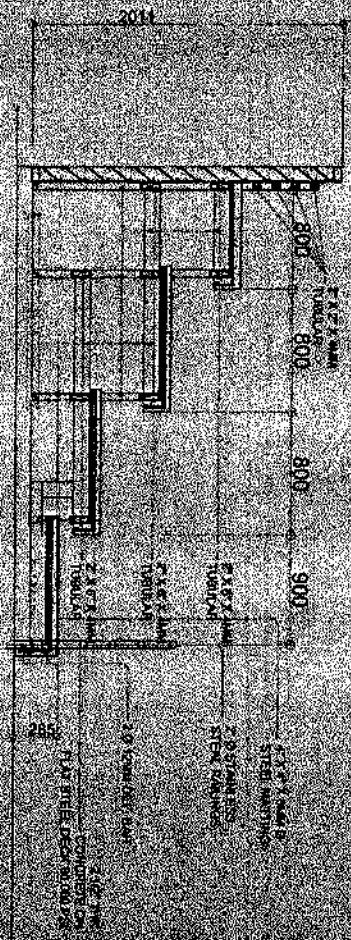
DATE

PROJECT NO.

SCALE



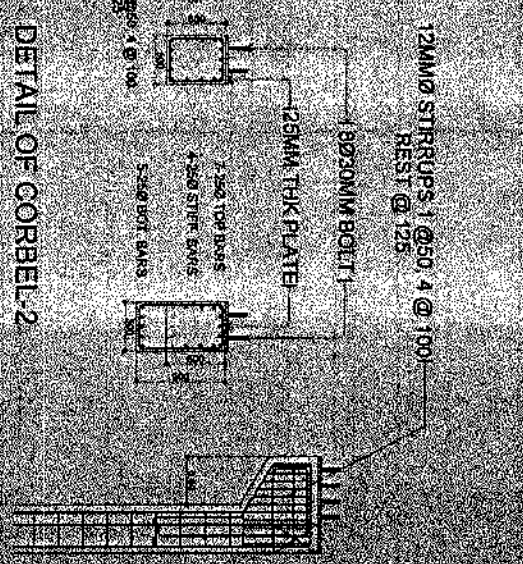
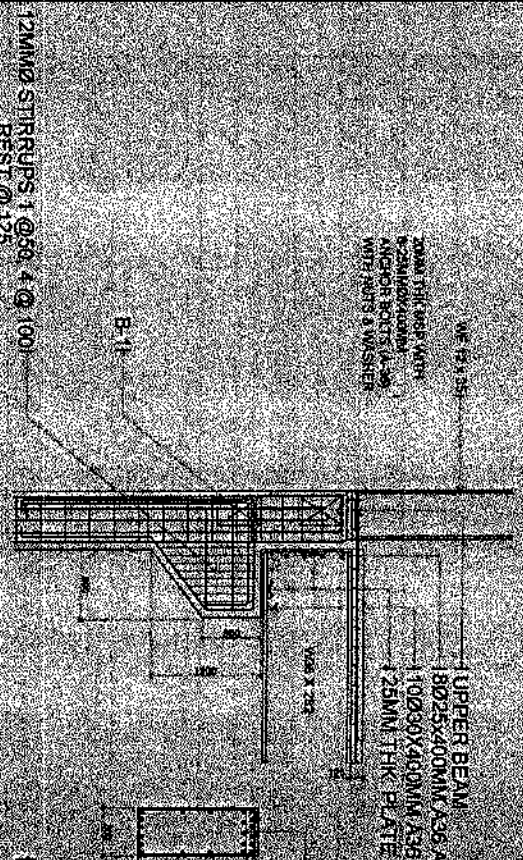
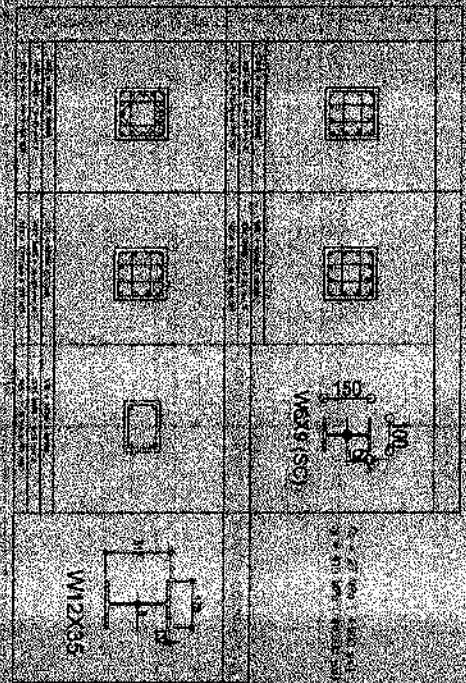
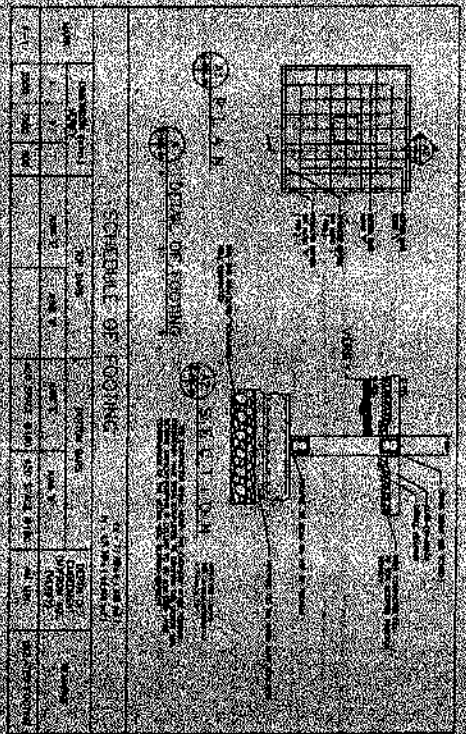
STATE OF MICHIGAN  
OFFICE OF ENGINEERING



NAME OF THE ENGINEER: **WALTER VELOZ**  
 PROFESSIONAL REGISTERED ENGINEER  
 REGISTERED PROFESSIONAL ENGINEER  
 REGISTERED PROFESSIONAL ARCHITECT  
 REGISTERED PROFESSIONAL CIVIL ENGINEER  
 REGISTERED PROFESSIONAL ELECTRICAL ENGINEER  
 REGISTERED PROFESSIONAL MECHANICAL ENGINEER  
 REGISTERED PROFESSIONAL SURVEYOR  
 REGISTERED PROFESSIONAL AGRICULTURAL ENGINEER  
 REGISTERED PROFESSIONAL CHEMICAL ENGINEER  
 REGISTERED PROFESSIONAL INDUSTRIAL ENGINEER  
 REGISTERED PROFESSIONAL METALLURGICAL ENGINEER  
 REGISTERED PROFESSIONAL NUCLEAR ENGINEER  
 REGISTERED PROFESSIONAL PETROLEUM ENGINEER  
 REGISTERED PROFESSIONAL SAFETY ENGINEER  
 REGISTERED PROFESSIONAL SOILS ENGINEER  
 REGISTERED PROFESSIONAL SURVEYING ENGINEER  
 REGISTERED PROFESSIONAL WATER RESOURCES ENGINEER  
 REGISTERED PROFESSIONAL WIND ENGINEER  
 REGISTERED PROFESSIONAL WOOD ENGINEER  
 REGISTERED PROFESSIONAL ZONING ENGINEER  
 REGISTERED PROFESSIONAL ARCHITECTURAL ENGINEER  
 REGISTERED PROFESSIONAL CIVIL ENGINEER  
 REGISTERED PROFESSIONAL ELECTRICAL ENGINEER  
 REGISTERED PROFESSIONAL MECHANICAL ENGINEER  
 REGISTERED PROFESSIONAL METALLURGICAL ENGINEER  
 REGISTERED PROFESSIONAL NUCLEAR ENGINEER  
 REGISTERED PROFESSIONAL PETROLEUM ENGINEER  
 REGISTERED PROFESSIONAL SAFETY ENGINEER  
 REGISTERED PROFESSIONAL SOILS ENGINEER  
 REGISTERED PROFESSIONAL SURVEYING ENGINEER  
 REGISTERED PROFESSIONAL WATER RESOURCES ENGINEER  
 REGISTERED PROFESSIONAL WIND ENGINEER  
 REGISTERED PROFESSIONAL WOOD ENGINEER  
 REGISTERED PROFESSIONAL ZONING ENGINEER

PROJECT TITLE: **PROPOSED TWO-LEVEL STAIRS WITH COVERED ROOF**  
 CLIENT: **M. DE LA ROSA**  
 ADDRESS: **AV. DE LA ROSA**  
 CITY: **LA ROSA**  
 STATE: **LA ROSA**  
 COUNTRY: **LA ROSA**  
 DATE: **2023**  
 SCALE: **1/4" = 1'-0"**  
 SHEET NO.: **9/13**  
 TOTAL SHEETS: **13**  
 DRAWING NO.: **9/13**  
 PROJECT NO.: **9/13**  
 SHEET TITLE: **DETAIL OF UPPER BLEACHER**



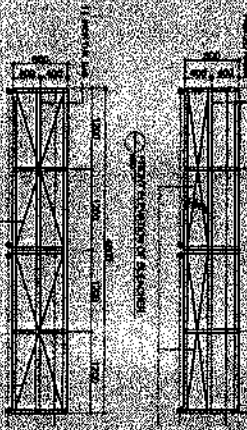
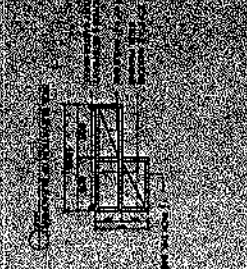
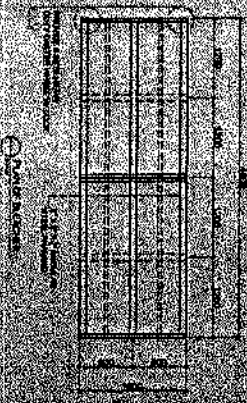
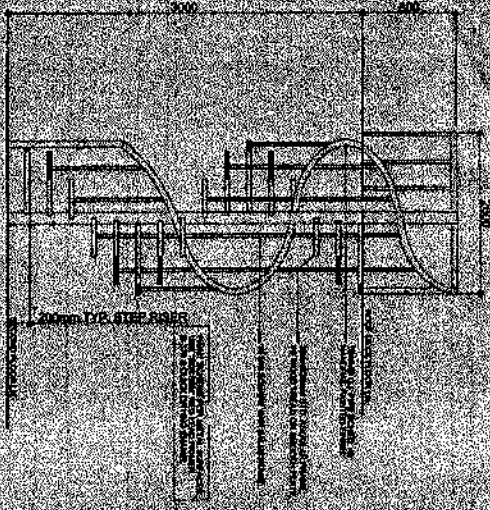
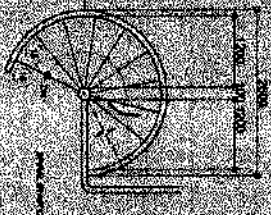


**PROGRESSIVE TWO STOREY NORTH-SOUTH CORBEL COLUMN**  
 ENGINEERING DEPARTMENT  
 CIVIL ENGINEERING  
 UNIVERSITY OF THE FREE STATE  
 BLOEMFONTEIN  
 SOUTH AFRICA  
 11113

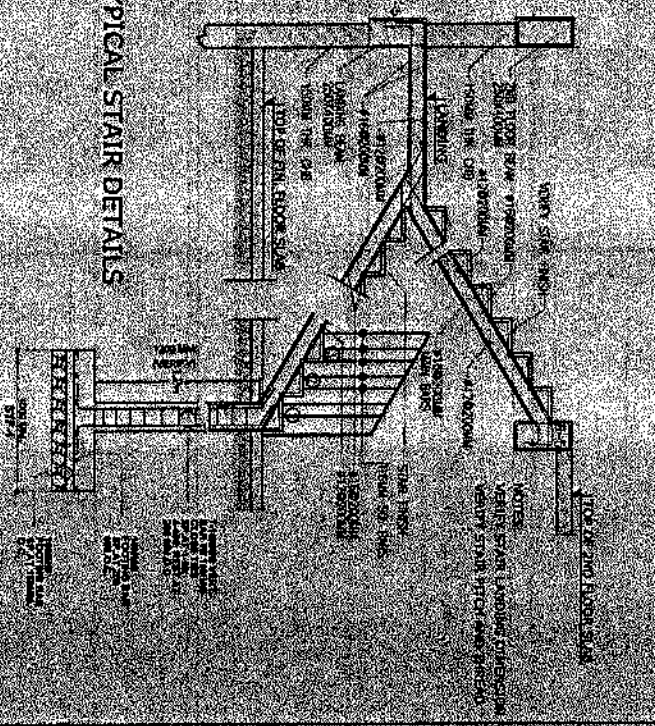
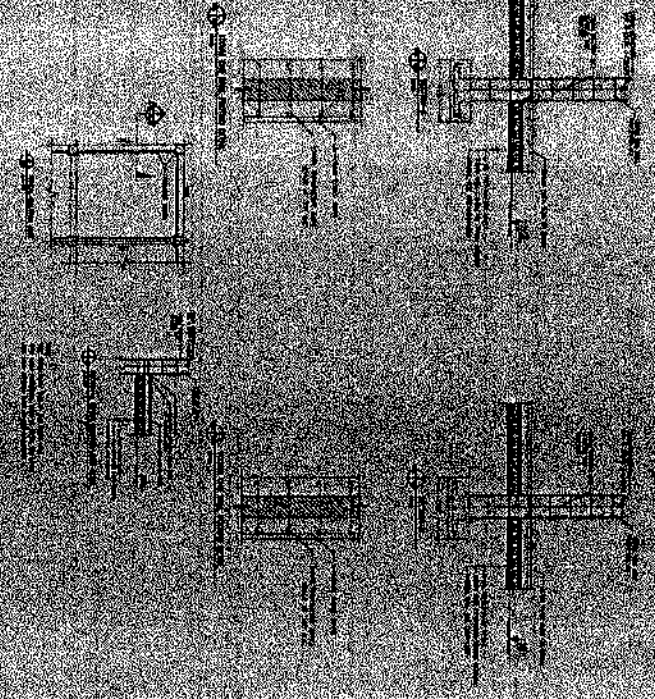
SHEET NO. 11113  
 OF 11113  
 DATE: 15/08/2017

 STATE ENGINEERING BOARD OFFICE OF THE BOARD ENGINEERING DEPARTMENT 1000 UNIVERSITY AVENUE, DENVER, CO. 80202	PROJECT TITLE: <b>PROPOSED TWO (2) STOREY          MULTI-PURPOSE BUILDING FOR          COVERED COURT</b>	PROJECT NO.: <b>1213</b>	SHEET NO.: <b>1213</b>
	ARCHITECT: <b>WALTER B. BROWN &amp; ASSOCIATES</b> 1000 UNIVERSITY AVENUE, DENVER, CO. 80202	ENGINEER: <b>WALTER B. BROWN &amp; ASSOCIATES</b> 1000 UNIVERSITY AVENUE, DENVER, CO. 80202	DATE: <b>12/13</b>

**SPIRAL STAIR DETAIL**



**TYPICAL STAIR DETAILS**





STATE OF TEXAS  
 ENGINEERING DEPARTMENT  
 OFFICE OF THE ENGINEER  
 CIVIL ENGINEERING

PROPOSED 17.5 STORY  
 MOON POND POSE BUILDING  
 COVERED COURTYARD

PROJECT NO. 17.5  
 SHEET NO. 17.5-1

DATE: 10/15/2013

DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]

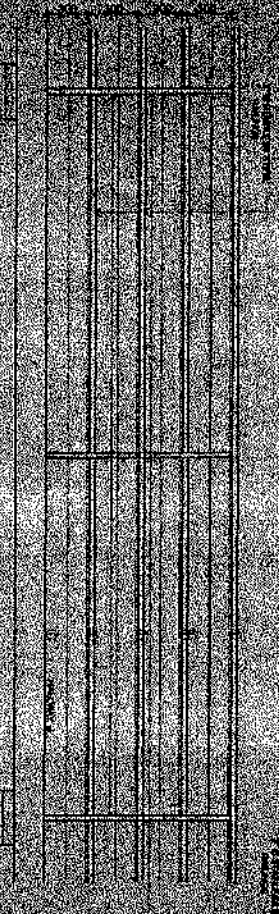
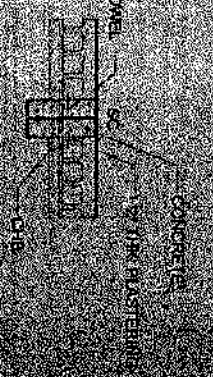
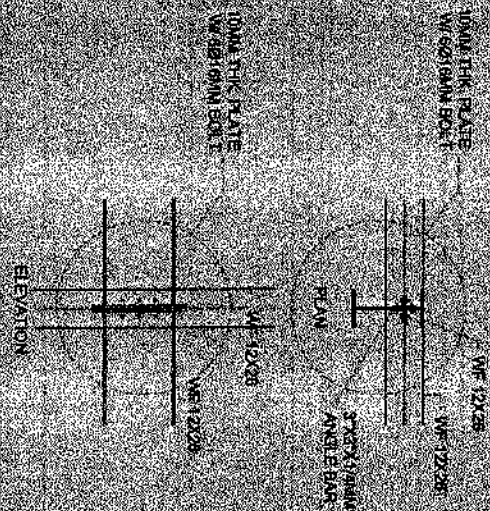
SCALE: AS SHOWN

DATE: 10/15/2013

2" X 8" STAINLESS STEEL  
 RAILING

# STEEL TO STEEL CONNECTION

# STAINLESS STEEL RAILINGS LAYOUT DESIGN



STATE OF TEXAS  
 ENGINEERING DEPARTMENT  
 OFFICE OF THE ENGINEER  
 CIVIL ENGINEERING

PROPOSED 17.5 STORY  
 MOON POND POSE BUILDING  
 COVERED COURTYARD

PROJECT NO. 17.5  
 SHEET NO. 17.5-1

DATE: 10/15/2013

DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]

SCALE: AS SHOWN

DATE: 10/15/2013



## *Section VII. Drawings*

## *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 COUNTRYSIDE AVE., BRGY. STA. LUCIA, 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 guidelines<sup>12</sup> 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 COUNTRYSIDE AVE., BRGY. STA. LUCIA, 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 : COUNTRYSIDE AVE., BRGY. STA. LUCIA, 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		
<b>Total Amount in Words:</b> _____					
<b>GRAND TOTAL</b>					

\_\_\_\_\_  
\_\_\_\_\_  
(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** : **COUNTRYSIDE AVE., BRGY. STA. LUCIA, 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		
<b>Total Amount in Words:</b> _____					
<b>GRAND TOTAL</b>					

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(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** : COUNTRYSIDE AVE., BRGY. STA. LUCIA, PASIG CITY

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

\_\_\_\_\_  
\_\_\_\_\_  
(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** : COUNTRYSIDE AVE., BRGY. STA. LUCIA, 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 _____ _____ )		t.s		
16.8	Septic Tank (2x3x2) _____ (Pesos _____ _____ )		l.s		
<b>Total Amount in Words:</b> _____					
<b>GRAND TOTAL</b>					

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(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

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

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]*

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**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 guidelines<sup>12</sup> 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

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<sup>12</sup> 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]*

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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

