



SOCIAL SECURITY SYSTEM

PHILIPPINE BIDDING DOCUMENTS

Sixth Edition

**Procurement of
INFRASTRUCTURE
PROJECTS**

Government of the Republic of the Philippines

RENOVATION OF ILIGAN BRANCH

ITB-SSS-CIVIL No. 2023-002

FEBUARY 2023

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TWG Chairperson

TABLE OF CONTENTS

Glossary of Terms, Abbreviations, and Acronyms.....4

Section I. Invitation to Bid6

Section II. Instructions to Bidders.....9

1. Scope of Bid10

2. Funding Information10

3. Bidding Requirements.....10

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices10

5. Eligible Bidders.....10

6. Origin of Associated Goods11

7. Subcontracts11

8. Pre-Bid Conference11

9. Clarification and Amendment of Bidding Documents.....11

10. Documents Comprising the Bid: Eligibility and Technical Components11

11. Documents Comprising the Bid: Financial Component12

12. Alternative Bids12

13. Bid Prices12

14. Bid and Payment Currencies12

15. Bid Security.....13

16. Sealing and Marking of Bids.....13

17. Deadline for Submission of Bids13

18. Opening and Preliminary Examination of Bids13

19. Detailed Evaluation and Comparison of Bids.....13

20. Post Qualification.....14

21. Signing of the Contract14

Section III. Bid Data Sheet..... 15

Section IV. General Conditions of Contract 18

1. Scope of Contract.....19

2. Sectional Completion of Works19

3. Possession of Site.....19

4. The Contractor’s Obligations.....19

5. Performance Security19

6. Site Investigation Reports20

7. Warranty.....20

8. Liability of the Contractor.....20

9. Termination for Other Causes20

10. Dayworks20



11. Program of Work.....20

12. Instructions, Inspections and Audits21

13. Advance Payment.....21

14. Progress Payments21

15. Operating and Maintenance Manuals.....21

Section V. Special Conditions of Contract..... 22

Section VI. Specifications 28

Section VII. Drawings..... 48

Section VIII. Bill of Quantities 82

Section IX. Checklist of Technical and Financial Documents..... 92



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.

SSS – Social Security System.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.



Section I. Invitation to Bid





REPUBLIC OF THE PHILIPPINES
SOCIAL SECURITY SYSTEM
East Avenue, Diliman, Quezon City
Tel. Nos. (632)8920-6401*(632)8920-6446
E-mail: member_relations@sss.gov.ph*Website <http://www.sss.gov.ph>

Invitation to Bid
ITB-SSS-Civil-2023-002

RENOVATION OF ILIGAN BRANCH

<i>Approved Budget for the Contract (ABC) & Source of Fund</i>	<i>Delivery/ Completion Period</i>	<i>Price of Bid Documents (non-refundable)</i>	<i>Schedule of Activities Date/Time</i>	
			<i>Pre-bid Conference</i>	<i>Deadline of submission and receipt of bids</i>
₱ 8,417,813.52 Approved 2023 Corporate Operating Budget – Capital Outlay with Code PAP 2023-0223 of the Annual Procurement Plan	One Hundred Twenty (120) Calendar Days from receipt of Notice to Proceed and Signed Contract	₱9,000.00	<i>February 23, 2023 Thursday 2:30pm</i>	<i>March 9, 2023 Thursday 2:00pm</i>

1. The **SOCIAL SECURITY SYSTEM (SSS)** now invites bids for the above item. Completion of the Works is required **within the period of One Hundred Twenty (120) calendar days. Bidders should have completed within five (5) years prior to the date of submission and receipt of bids, 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).
2. Bids received in excess of the ABC shall be automatically rejected at Bid opening.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary pass/fail criterion as specified in the 2016 Revised Implementing Rules and Regulations (RIRR) of Republic Act 9184 (RA) 9184, otherwise known as the “Government Procurement Reform Act”.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

4. Interested bidders may obtain further information from the SSS and inspect the Bidding Documents at the address in the last item of the ITB from Monday to Friday, 8:00 a.m. to 5:00 p.m.
5. A complete set of Bidding Documents may be acquired by interested Bidders starting **15 February 2023 up to the scheduled submission & opening of bids** from the address stated in the last item of the ITB and upon payment of the applicable fee for the Bidding Documents, in the amount specified above.

The mode of payment will be on a cash basis payable at the SSS Cash Department, SSS Main Bldg., Ground floor, upon accomplishment of SSS Form R-6. The Bidding Documents shall be received personally by the prospective Bidder or his authorized representative.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the SSS, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

6. The SSS will hold a Pre-Bid Conference on the date and time specified above at the Bidding Room, 2nd Floor, SSS Main Bldg., East Avenue, Diliman, Quezon City which shall be open to prospective bidders, but attendance shall not be mandatory.

The Pre-Bid Conference will be conducted through online conference using Microsoft Teams. Kindly e-mail us on or before 22 February 2023, through e-mail address bac@sss.gov.ph, the following:

- a. Name of the representative and e-mail address; and**
 - b. Technical and administrative queries.**
7. Bids must be duly received by the BAC Secretariat at the Bidding Room, 2nd Floor, SSS Main Building, East Avenue, Diliman, Quezon City on the deadline specified above. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in the **ITB** Clause 14.
- Bid opening shall be on the date and time specified above at the Bidding Room, 2nd Floor, SSS Main Building, East Avenue, Diliman, Quezon City. Bids will be opened in the presence of the Bidders' representatives who choose to attend at the address above. Late bids shall not be accepted.
8. References to the dates and times shall be based on Philippine Standard time. Should any of the above dates fall on a holiday, the deadline shall be extended to the same time on the immediately succeeding business day in Quezon City.
9. The SSS 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 Section 36.5 and 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.
10. The SSS assumes no obligation to compensate or indemnify parties for any expense or loss that they may incur as a result of their participation in the procurement process, nor does SSS BAC guarantees that an award will be made as a result of this invitation. Furthermore, the SSS reserves the right to waive any defects or formality in the responses to the eligibility requirements and to this invitation and reserves the right to accept the proposal most advantageous to the agency.
11. For further information, please refer to:

Bids & Awards Committee

The Secretariat

2nd Flr., SSS Main Bldg., East Ave., Diliman, Q.C.
Tel # (632) 8922-1070; 8920- 6401 local 5492 & 6382
Email – bac@sss.gov.ph

12. Bidding documents may be downloaded from the PROCUREMENT tab at www.sss.gov.ph starting **15 February 2023**.


THE CHAIRPERSON
BIDS & AWARDS COMMITTEE

ref.: itb-sss-civil-2023-002- Renovation of Iligan Branch



Section II. Instructions to Bidders

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1. Scope of Bid

The Procuring Entity, *Social Security System* wishes to receive Bids for the Renovation of Iligan Branch, with identification number *ITB-SSS-Civil-2023-002*.

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 *CY2023* in the amount of Eight Million Four Hundred Seventeen Thousand Eight Hundred Thirteen Pesos and Fifty-Two Centavos (P 8,417,813.52).

2.2. The source of funding is: 2023 Corporate Operating Budget with APP Code (2023-0223) of the Annual Procurement Plan.

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: **Subcontracting is not allowed.**

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address **Bidding Room, 2nd Floor, SSS Main Bldg., East Avenue, Diliman, Quezon City and/or through online conference using Microsoft Teams** 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 Philippine Pesos.



15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until **one hundred twenty (120) calendar days reckoned from the date of the submission and opening of bids**. 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 15 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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



Section III. Bid Data Sheet

A handwritten signature in blue ink, appearing to be 'J. M. M.', located at the bottom right of the page.

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 consisting of civil-architectural, electro-mechanical and structured cabling works, as detailed in the Specifications and Bill of Quantities (BOQ) Form, completed within Five (5) years prior to the date of submission and receipt of bids												
7.1	Subcontracting is not allowed.												
10.3	<p>PCAB License and Registration</p> <p>License Category : C & D Size Range : Small B Classification : General Building</p> <p>The bidder shall have at least five (5) years of experience in construction/ structural retrofitting works</p>												
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table><tr><th><u>Key Personnel</u></th><th><u>General Experience</u></th><th><u>Relevant Experience</u></th></tr><tr><td>Project Manager</td><td>10 years</td><td>Building construction and/or renovation</td></tr><tr><td>Project Engineer/ Site Engineer</td><td>5 years</td><td>Building construction and/or renovation</td></tr><tr><td>Foreman</td><td>5 years</td><td>Building construction and/or renovation</td></tr></table> <p>Except for the Foreman, all key personnel should be PRC-registered engineers / architects in good standing.</p>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Project Manager	10 years	Building construction and/or renovation	Project Engineer/ Site Engineer	5 years	Building construction and/or renovation	Foreman	5 years	Building construction and/or renovation
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>											
Project Manager	10 years	Building construction and/or renovation											
Project Engineer/ Site Engineer	5 years	Building construction and/or renovation											
Foreman	5 years	Building construction and/or renovation											
10.5	<p>The minimum major equipment requirements are the following:</p> <p>Dump Truck Minor Tools</p>												
12	Alternative bids shall not be accepted.												
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than ₱ 168,356.27, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than ₱ 420,890.68, if bid security is in Surety Bond.</p>												
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.												
20	<p>The Lowest Calculated Bidder shall submit the following:</p> <p>1. Registration certificate from Securities and Exchange Commission (SEC) for corporation including Articles of Incorporation and General Information Sheet (GIS), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document</p>												



	<ol style="list-style-type: none">2. Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;3. Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR)4. Latest Audited Financial Statements5. Latest income tax return corresponding to the Audited Financial Statements submitted, filed electronically (EFPS);6. Quarterly VAT (business tax returns) per Revenue Regulations 3-2005 for the last six (6) months prior to the submission and opening of bids filed electronically (EFPS);
21	Not applicable.



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

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Special Conditions of Contract

GCC Clause	
2	No sectional completion date.
3.1	The SOCIAL SECURITY SYSTEM shall give possession of all parts of the Site to the Contractor for the duration of the contract (120 cd) which shall commence upon receipt of the Notice to Proceed and Contract/Job Order.
6	Not Applicable
7.2	Not Applicable
8	<p>Liability of the Contractor</p> <p>1. CONFIDENTIALITY. Neither party shall, without the prior written consent of the other, disclose or make available to any person, make public, or use directly or indirectly, except for the performance and implementation of the works, any confidential information, acquired from an information holder in connection with the performance of this Contract, unless: (i) the information is known to the disclosing party, as evidenced by its written records, prior to obtaining the same from the information holder and is not otherwise subject to disclosure restrictions on the disclosing party, (ii) the information is disclosed to the disclosing party by a third party who did not receive the same, directly or indirectly, from an information holder, and who has no obligation of secrecy with respect thereto, or (iii) required to be disclosed by law.</p> <p>The obligation of confidentiality by both parties, as provided herein, shall survive the termination of the Agreement.</p> <p>2. MERGER AND CONSOLIDATION. In case of merger, consolidation or change of ownership of the CONTRACTOR with other company, it is the responsibility of the surviving company/consolidated company/acquiring entity to inform SSS of the change in corporate structure/ownership. Failure to do so shall translate in such company assuming all liabilities of the acquired/merged company under the Agreement.</p> <p>3. FORCE MAJEURE. SUPPLIER shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that CONTRACTOR's delay in performance or other failure to perform its obligations under this Agreement is the result of a force majeure.</p> <p>For purposes of this Agreement the terms "force majeure" and "fortuitous event" may be used interchangeably. In this regard, a fortuitous event or force majeure shall be interpreted to mean an event which CONTRACTOR could not have foreseen, or which though foreseen, was inevitable. It shall not include ordinary unfavorable weather conditions; and any other cause the effects of which could have been avoided with the exercise of reasonable diligence by CONTRACTOR. Such events may include, but not limited to, acts of SSS in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.</p> <p>If a force majeure situation arises, CONTRACTOR shall promptly notify SSS in writing of such condition and the cause thereof. Unless otherwise directed by SSS in writing, CONTRACTOR shall continue to perform its obligations under this Agreement as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the force majeure.</p>



	<p>4. NON-ASSIGNMENT. CONTRACTOR shall not assign its rights or obligations under this Agreement, in whole or in part, except with SSS's prior written consent. CONTRACTOR shall not subcontract in whole or in part the PROJECT and deliverables subject of this Agreement without the written consent of SSS.</p> <p>5. WAIVER. Failure by either party to insist upon the other strict performance of any of the terms and conditions hereof shall not be deemed a relinquishment or waiver of any subsequent breach or default of the terms and conditions hereof, which can only be deemed made if expressed in writing and signed by its duly authorized representative. No such waiver shall be construed as modification of any of the provisions of the Agreement or as a waiver of any past or future default or breach hereof, except as expressly stated in such waiver.</p> <p>6. CUMULATIVE REMEDIES. Any and all remedies granted to the parties under the applicable laws and the Contract shall be deemed cumulative and may therefore, at the sole option and discretion, be availed of by the aggrieved party simultaneously, successively, or independently.</p> <p>7. NO EMPLOYER-EMPLOYEE RELATIONSHIP. It is expressly and manifestly understood and agreed upon that the employees of CONTRACTOR assigned to perform the PROJECT are not employees of SSS. Neither is there an employer-employee relationship between SSS and CONTRACTOR.</p> <p>The Agreement does not create an employer-employee relationship between SSS and the CONTRACTOR including its personnel; that the services rendered by the personnel assigned by CONTRACTOR to SSS in the performance of its obligation under the contract do not represent government service and will not be credited as such; that its personnel assigned to SSS are not entitled to benefits enjoyed by SSS' officials and employees such as Personal Economic Relief Allowance (PERA), Representation and Transportation Allowance (RATA), ACA, etc.; that these personnel are not related within the third degree of consanguinity or affinity to the contracting officer and appointing authority of SSS; that they have not been previously dismissed from the government service by reason of an administrative case; that they have not reached the compulsory retirement age of sixty-five (65); and that they possess the education, experience and skills required to perform the job. The CONTRACTOR hereby acknowledges that no authority has been given by SSS to hire any person as an employee of the latter. Any instruction given by SSS or any of its personnel to CONTRACTOR's employees are to be construed merely as a measure taken by the former to ensure and enhance the quality of project performed hereunder. The CONTRACTOR shall, at all times, exercise supervision and control over its employees in the performance of its obligations under the contract.</p> <p>8. PARTNERSHIP. Nothing in the contract shall constitute a partnership between the parties. No party or its agents or employees shall be deemed to be the agent, employee or representative of any other party.</p> <p>9. COMPLIANCE WITH SS LAW. CONTRACTOR shall report all its employees to SSS for coverage and their contributions, as well as, all amortizations for salary/education/calamity and other SSS loans shall be updated. Should CONTRACTOR fail to comply with its obligations under the provisions of the SS Law and Employees' Compensation Act, SSS shall have the authority to deduct any unpaid SS and EC contributions, salary, educational, emergency and/or calamity loan amortizations, employer's</p>
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	<p>liability for damages, including interests and penalties from CONTRACTOR's receivables under this Agreement.</p> <p>Further, prescription does not run against SSS for its failure to demand SS contributions or payments from CONTRACTOR. Moreover, CONTRACTOR shall forever hold in trust SS contributions or payments of its employees until the same is fully remitted to SSS.</p> <p>10. COMPLIANCE WITH LABOR LAWS. CONTRACTOR, as employer of the personnel assigned to undertake the PROJECT, shall comply with all its obligations under existing laws and their implementing rules and regulations on the payment of minimum wage, overtime pay, and other labor-related benefits as well as remittances or payment of the appropriate amount or contributions/payment (SSS, EC, Pag-IBIG, PhilHealth and taxes) with concerned government agencies/offices.</p> <p>It is agreed further, that prior to the release of any payment by SSS to SUPPLIER, its President or its duly authorized representative, shall submit a sworn statement that all monies due to all its employees assigned to the PROJECT as well as benefits by law and other related labor legislation have been paid by CONTRACTOR and that he/she assumed full responsibility thereof.</p> <p>11. COMPLIANCE WITH TAX LAWS. CONTRACTOR shall, in compliance with tax laws, pay the applicable taxes in full and on time and shall regularly present to SSS within the duration of the Contract, tax clearance from the Bureau of Internal Revenue (BIR) as well as copy of its income and business tax returns duly stamped by the BIR and duly validated with the tax payments made thereon. Failure by CONTRACTOR to comply with the foregoing shall entitle SSS to suspend payment of the Contract Price.</p> <p>As required under Executive Order (EO) 398, s. 2005, CONTRACTOR shall submit income and business tax returns duly stamped and received by the BIR, before entering and during the duration of this Agreement. CONTRACTOR, through its responsible officer, shall also certify under oath that it is free and clear of all tax liabilities to the government. CONTRACTOR shall pay taxes in full and on time and that failure to do so will entitle SSS to suspend or terminate this Agreement.</p> <p>12. LIQUIDATED DAMAGES. If CONTRACTOR fails to satisfactorily deliver any or all of the Goods and/or to perform the Services within the period(s) specified in the PBD inclusive of duly granted time extensions if any, SSS shall, without prejudice to its other remedies under this Agreement and under the applicable law, deduct from the Contract Price, as liquidated damages, the applicable rate of one tenth (1/10) of one (1) percent of the cost of the unperformed portion for every day of delay until actual delivery or performance. Once the amount of liquidated damages reaches ten percent (10%), SSS may rescind or terminate this Agreement, without prejudice to other courses of action and remedies open to it.</p> <p>13. HOLD FREE and HARMLESS. SUPPLIER agrees to defend, indemnify, and hold SSS free and harmless from any and all claims, damages, expenses, fines, penalties and/or liabilities of whatever nature and kind, whether in law or equity, that may arise by reason of the implementation of the Agreement. In addition, CONTRACTOR agrees to indemnify SSS for any damage as a result of said implementation.</p>
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	<p>SUPPLIER hereby assumes full responsibility for any injury, including death, loss or damage which may be caused to SSS’ employees or property or third person due to CONTRACTOR’s employees’ fault or negligence, and further binds itself to hold SSS free and harmless from any of such injury or damage. SSS shall not be responsible for any injury, loss or damage which CONTRACTOR or any of its employees may sustain in the performance of CONTRACTOR’s obligations under this Agreement.</p> <p>14. SETTLEMENT OF DISPUTES. If any dispute or difference of any kind whatsoever shall arise between SSS and CONTRACTOR in connection with or arising out of this Agreement, the Parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.</p> <p>If after thirty (30) days, the Parties have failed to resolve their dispute or difference by such mutual consultation, then either SSS or CONTRACTOR may give notice to the other Party of its intention to commence arbitration, in accordance with RA No. 876, otherwise known as the “Arbitration Law” and RA No. 9285, otherwise known as the “Alternative Dispute Resolution Act of 2004,” in order to settle their disputes.</p> <p>No arbitration in respect of this matter may be commenced unless such notice is given.</p> <p>Notwithstanding any reference to arbitration herein, the Parties shall continue to perform their respective obligations under this Agreement unless they otherwise agree.</p> <p>15. VENUE OF ACTIONS. In the event court action is necessary in order to promote Arbitration, such action shall be filed only before the proper courts of Quezon City, to the exclusion of all other venues.</p> <p>16. GOVERNING LAW. The Agreement shall be governed by and interpreted according to the laws of the Republic of the Philippines.</p> <p>17. AMENDMENTS. This Agreement may be amended only in writing and executed by the parties or their duly authorized representatives.</p> <p>18. SEPARABILITY. If any one or more of the provisions contained in the contract or any document executed in connection herewith shall be invalid, illegal or unenforceable in any respect under any applicable law, then: (i) the validity, legality and enforceability of the remaining provisions contained herein or therein shall not in any way be affected or impaired and shall remain in full force and effect; and (ii) the invalid, illegal or unenforceable provision shall be replaced by the parties immediately with a term or provision that is valid, legal and enforceable and that comes closest to expressing the intention of such invalid illegal or unenforceable term of provision.</p> <p>19. BINDING EFFECT. The Agreement shall be binding upon the Parties hereto, their assignee/s and successor/s-in-interest.</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 to the Procuring Entity’s Representative within five (5) calendar days of delivery of the Notice of Award and conduct of pre-construction meeting.

11.2	The amount to be withheld for late submission of an updated Program of Work shall be ten percent (10%) of the cost of accomplishment of the progress billing on top of the usual ten percent (10%) retention money.										
13	Advance payment is not allowed										
14	<p>Progress payment shall be made in four (4) billings and upon written request by the Contractor, following the matrix below:</p> <table><tr><th>PROGRESS PAYMENT</th><th>BASIS OF PAYMENT</th></tr><tr><td>1st Billing</td><td>20% or more work accomplishments</td></tr><tr><td>2nd Billing</td><td>50% or more work accomplishments</td></tr><tr><td>3rd Billing</td><td>75% or more work accomplishments</td></tr><tr><td>4th or Final Billing</td><td>One Hundred percent (100%) completion of the project and upon issuance of Certificate of Completion as certified by the Procuring Entity's Representative/s</td></tr></table> <p>Materials and equipment delivered on the site but not completely put in place shall not be included for payment.</p> <p>The retention money and the cumulative value of the work previously certified and paid for shall be deducted from the progress payments as prescribed in item 5 of Annex E of the Revised IRR of RA 9184.</p>	PROGRESS PAYMENT	BASIS OF PAYMENT	1 st Billing	20% or more work accomplishments	2 nd Billing	50% or more work accomplishments	3 rd Billing	75% or more work accomplishments	4 th or Final Billing	One Hundred percent (100%) completion of the project and upon issuance of Certificate of Completion as certified by the Procuring Entity's Representative/s
PROGRESS PAYMENT	BASIS OF PAYMENT										
1 st Billing	20% or more work accomplishments										
2 nd Billing	50% or more work accomplishments										
3 rd Billing	75% or more work accomplishments										
4 th or Final Billing	One Hundred percent (100%) completion of the project and upon issuance of Certificate of Completion as certified by the Procuring Entity's Representative/s										
15.1	The date by which “as built” drawings are required is within two (2) weeks after the completion of the project.										
15.2	The amount to be withheld for failing to produce “as built” drawings by the date required is ten percent (10%) of the Contract Price.										



Section VI. Specifications

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PROJECT : RENOVATION OF ILIGAN BRANCH

SUBJECT : SCOPE OF WORKS AND MATERIAL SPECIFICATIONS

SCOPE OF WORKS

- I.** The work contemplated under this contract shall consist of furnishing of all materials, labor, plant, tools and equipment, permits including the satisfactory performance of all work necessary for the complete execution of all the work as shown on the plans, specifications and other contract documents. The following are the scope of work.

A. GENERAL REQUIREMENTS

1. Reproduction and submission of As-built plans duly signed and sealed by professional Engineer or Architect. The Contractor shall likewise submit electronic copy of as-built plans in USB flash drive using AutoCAD software.
2. Building / Occupancy permits and other permits and fees necessary to complete the project

B. CIVIL ARCHITECTURAL WORKS

1. SITE PREPARATION WORKS

- a. Clearing and dismantling of unnecessary installations / items, chipping & restoration of walls/flooring
- b. Hauling and disposal of debris and waste materials.
- c. Construction of Temporary Facilities (warehouse / barracks)

2. CARPENTRY WORKS

- a. Fabrication and installation of new pantry overhead cabinet and counter cabinet complete with hinges, handle and accessories.

3. GLASS PARTITIONS, DOOR AND WINDOWS

- a. Supply and installation of 12mm thick double leaf frameless tempered glass door with transom, stainless steel door handle, complete with patch fittings, hardware and accessories (GD-01).
- b. Supply and installation of 12mm thick single leaf frameless tempered glass door with transom, stainless steel door handle, complete with patch fittings, hardware and accessories (GD-02).
- c. Supply and installation of 12mm thick tempered clear glass on FD100 top & bottom, coated finish (GP-01, GP-02, GP-03, GP-04, GP-05, GP-06).
- d. Supply and installation of steel door complete with hardwares and accessories (SD4).
- e. Supply and installation of PVC folded Door, 150mm x 15mm thk PVC, Laminates Nylex Finish, single Drawn Opening, extruded vinyl hinges, heavy duty aluminum railtracks (PVC-01, PVC-02).
- f. Supply and installation of aluminum Roll-up frame security shutters complete with lockset, hardwares and accessories.

4. ARCHITECTURAL WORKS

- a. Supply and installation of acoustic ceiling board on CMT powder coated aluminum frame including necessary accessories (as designated on the plan).



- b. Supply and installation of fiber cement board on suspended metal furring system (Benefits Section, Vault, Breastfeeding Station, Electrical & Data Cabinet room, Toilets, Utility Room, Pantry, Supply & Records Room, SSet).

5. SPECIALTY WORKS

- a. Supply and installation of outdoor horizontal and vertical signages.
- b. Supply and installation of MSS Backdrop built-up lighted acrylic signage.
- c. Supply and installation of indoor acrylic directional signages.
- d. Supply and installation of sunscreen roller shades at windows and building storefront.
- e. Supply and installation of frosted sticker on glass door and glass partitions.

6. PAINTING WORKS

- a. Painting of drywall partition and fiber cement board ceiling
- b. Painting of masonry wall (interior & exterior) including columns and building storefront.
- c. Painting of doors, jambs and cabinets
- d. Painting of window security grilles.
- e. Proper surface preparation shall be done prior to application of paint.

7. ELECTRICAL WORKS (see separate sheets)

8. MECHANICAL WORKS (see separate sheets)

9. STRUCTURED CABLING WORKS (see separate sheets)

- II.** Materials and work deemed necessary to complete the project but not specifically mentioned in the Specifications, working drawings or in the other contract documents are inferred and shall be supplied, installed and rendered by the contractor without extra cost to the owner. Such material shall be of the highest quality available, installed and applied in workmanlike manner at prescribed or appropriate locations.

A. WORKMANSHIP

All required phases of work shall be done by skilled and competent men who are regularly engaged or specialized in the type of work specified. Workmanship shall be the very best trade practice.

B. SITE EXAMINATION

Examine the site premises and all conditions apparent and visible therein. Consider all such conditions that may affect work. Measure every existing work/structure at site. Verify all given dimensions and deviations in the plans/drawings and Bill of Quantities. It shall be understood that the work covers all exposed external surfaces regardless of measurements made.

C. PROTECTION OF WORK AND PROPERTY

Provide adequate protection on the existing furniture, equipment, and other areas not affected by the work specified. Place warning signs where work is being undertaken. Remove work materials damaged by failure to provide protection. Replace with new work materials at no extra cost to the Owner.

D. CLEANING

Leave premises clean, neat and orderly. Remove all stains, spots, blemishes, soil dirt from all finished work. Remove all excess materials, soil, used containers, tools, equipment and supplies out of the SSS premises during the progress of work and upon completion of work.

MATERIAL SPECIFICATIONS

PARTICULARS	DESCRIPTION	REMARKS
A. GLASS PARTITIONS		
1. Glass partition	-12mm thick tempered clear glass panel on FD100 top & bottom, powder coated finish. (GP-01 to GP-06)	-submit sample for approval
B. CEILING		
1. Acoustic ceiling on CMT aluminum frame	- Acoustic ceiling board, fine fissured design, 2' x 2' x 5/8" - CMT Main Tee 1" x 1-1/2" - CMT Cross Tee 1" x 1" - CMT Wall angle 1" x 1" - Accessories	- Armstrong or approved equivalent - JEA Steel or approved equivalent
2. Fiber cement board on metal furring system	- Fiber cement board 1.20m x 2.40m x 6mm - Carrying channel, 12mm x 38mm, ga. 20 - Double Furring channel, 19mm x 50mm, ga. 25 - Wall angle 25mm x 25mm, ga. 25 - Accessories	- Hardiflex or approved equivalent - JEA Steel or approved equivalent
C. PANTRY CABINETS		
1. Overhead and undercounter cabinets	- 20mm thick Ordinary plywood - 1"x 1" wood edging - 2" x 2" Tanguile s4s - 2" x 4" Tanguile s4s - stainless pull - concealed hinges	- Any Brand / supplier
D. DOORS AND HARDWARES		
1. Glass Door	- Frameless double leaf/ single leaf door with transom, 12mm thk tempered glass with stainless steel door handle complete with patch fittings, hardwares and accessories. (GD-01, GD-02)	- submit sample for approval
2. Steel Door	- 1375mm x 2500mm (verify) Stainless steel roll-up security grilles with 5/16" Ø solid horizontal rods spaxced @ 2-1/2" o.c. and 5/8" Ø vertical links spaced @ 9" o.c. with lockset, hardwares and accessories (Info Kiosk)	-submit sample / brochures for approval



3. PVC Folded Door	- 150mm x 15mm thk PVC, Laminates Nylex Finish, Single Drawn Opening, extruded vinyl hinges, heavy duty aluminum railtracks tounge & groove jamb post receptacles w/ self locking flexible vinyl seals (PVC-01, PVC-02)	-submit sample & brochures for approval
4. Aluminum Roll-up Doors	- roll-up frame security shutters, height 2.775m ga. 22 complete with lockset, hardwares and accessories (Storefront)	-submit sample / brochures for approval
E. SPECIALTY WORKS		
1. Sunscreen roller shades	<p>-Chain-operated roller system with #10 plastic or metal beads operating loop with upper and lower stops & with Universal mounting brackets</p> <p>-Fabric Specifications:</p> <ul style="list-style-type: none"> • Roll-up Polyester / Polymer Shade • 30% Polyester, 70% PVC • 1% Openness factor, 1.08mm thickness • Weight= 810g/m² ±5% • Tensile Strength= Warp 291.5kg / Weft 100.3kg • Tearing Strength= Warp 10.9kg / Weft 5.8kg • 98% UV blockage, USA NFPA 701 Fire rating • Oeko-Tex® Standard 100 	-submit sample for approval
2. Glass panel sticker	-Vinyl frosted stickers	-3M products or approved equivalent
3. Outdoor / Indoor Signages	<p>- Horizontal Signage 7.0m x 0.90m x 0.10m, aluminum composite panel w/ acrylic lettering & logo complete with mounting frame support and electrical LED lightings, switches, wires, outlet, conduits and accessories</p> <p>- Vertical signage 1.20m x 2.0m x 0.20m, aluminum composite panel w/ acrylic letterings & logo complete with framing support, Pole & pedestal, electrical LED lightings, switches, wires, outlet, conduits and accessories</p> <p>- MSS Backdrop built-up lighted acrylic signage (embossed acrylic)- 50mm thk, LED light including power supply, wires, outlets, conduits and other necessary accessories</p> <p>- Acrylic signage, ceiling / door / wall mounted</p>	- submit sample / brochures for approval



F. PAINTING WORKS		
1. Drywall partition, Fiber Cement board ceiling, Masonry Wall & Columns	-1 coat Permacoat Flat Latex paint -2 coats Semi-gloss latex paint - concrete neutralizer (masonry wall)	-Boysen, Davies or approved equivalent
2. Doors, Jambs, Pantry Cabinet	-Duco Finish (spray applied) -1 coat Lacquer primer surfacer -2 coats Lacquer paint -2 coats clear gloss lacquer paint - lacquer spot putty	-Boysen, Davies or approved equivalent
3. Steel / Window Grilles	-1 coat Epoxy Primer Gray -2 coats Quick Drying Enamel paint	-Boysen, Davies or approved equivalent

A. SUBMITTALS

The Contractor shall submit samples of finishes, furnished materials and equivalent materials for approval by the SSS / Implementing Unit prior to installation / application.

B. QUALITY OF MATERIALS

All materials shall be new, free from defects, passed and conformed to International Standard and Philippine Standard set forth by Bureau of Product Standards - Department of Trade and Industry.

ELECTRICAL WORKS

I. GENERAL CONDITIONS:

1. All electrical works shall comply with the plan and specification in accordance with the latest edition of the Philippine Electrical Code (PEC).
2. Rough-in layout concealed between walls and exposed above ceiling shall be IMC and/or Polyvinyl Chloride (PVC) pipes and properly secured with clamps/ mounting supports.
3. PVC pipe fitting layout shall be provided with appropriate PVC adapter with locknut and glued with PVC solvent and properly anchored with clamps/ supports.
4. Minimum size of conduit to be used shall be 15 mm diameter.
5. Minimum size of conduit for long runs exceeding 270° bends shall be 20 mm diameter and pull box shall be provided as necessary.
6. Color coding for wiring installations shall be as follows:

For Normal Power Circuits	-	Line 1 - Black wire, 230 VAC Line 2 - Red wire Ground - Green wire
For UPS Power Circuits	-	Line 1 - White wire, 220 VAC Line 2 - White wire Ground - Green wire
7. Color coding for receptacle outlet device plate covers shall be follows:

For Normal Power Circuit	-	Beige color
For UPS Power Circuits	-	White color
8. All new wiring installations shall be tested and measured parameters shall be recorded and submitted accordingly.
9. Receptacle outlets shall be installed 300mm above finished floor level.
10. Labeling / marking for the proposed branch circuit as indicated in the drawing and panel board directory prior to turnover to the owner.
11. All materials and equipment to be use shall be brand new and must be of the approved type and intended application.
12. Prepare load schedule for all new installation, if necessary incorporate with the existing load schedule and provide legible markings between new and existing schedule of loads.



II. ELECTRICAL MATERIAL SPECIFICATIONS:

1. CONDUITS & FITTINGS

Materials	Specifications
a. uPVC Pipe Neltex, Emerald, Atlanta or its equivalent	20mmØ
b. Flexible Metal Conduit (FMC)	15mmØ
c. IMC (Indoor layout)	25mmØ, 32mmØ, 65mmØ
d. Liquid Tight Flexible Conduit (outdoor)	20mmØ

2. BOXES / GUTTERS WITH COVERS

Materials	Specifications
a. Junction Box	steel sheet gauge 16
b. Utility Box	2” x 4”, steel sheet gauge 16
c. Pull Box	(150x150x100)mm, Gauge No. 14
d. Wire Gutter (2000x250x200)mm	Steel Sheet Gauge No. 14

3. WIRES / CABLES & DEVICES

Materials	Specifications
a. 3.5 mm ² , 5.5 mm ² , 8.0 mm ² , 14.0mm ² , 22.0mm ² , 30.0mm ² , 80.0mm ² , 150.0mm ²	THHN/ THWN stranded wire, lead free
b. Convenience outlet (for UPS power)	Duplex, 15Amp, 230VAC, 3-prong, parallel slot, w/ grounding, complete with plate and cover, for UPS Outlet Duplex, 15Amp, 230VAC, 2-prong parallel slot, complete with plate and cover, for Normal Outlet Pop-up Floor Mounted, Duplex, 15Amp, 230VAC, parallel slot (3-prong, w/ grounding for UPS Outlet and 2-prong for Normal Outlet) Single Outlet, 230VAC, 2-prong, parallel slot, complete with plate and cover, for Portable Emergency Light, Exit/ Fire Exit Signages
c. Special Purpose Outlet	



d. Switch	Air-con Outlet, 230VAC, 3-prong parallel slot, w/ grounding, complete with plate and cover
e. Lighting Fixtures Assembly (200x1200)mm, (600x1200)mm	<p>Single pole, 15Amp, 230VAC, 60Hz., complete with plate and cover (one, two & three gang face plate cover)</p> <p>Recessed Lighting Fixtures, T8, 2x18watts LED, 1620 lumens with built-in driver, Bi pin terminal, 200-250VAC, 60Hz., 140° Beam Angle, 50,000 burning hours, (600x1200)mm with aluminum large cell parabolic louver type, anodized reflector, cool daylight complete with essential wiring system.</p> <p>Recessed Lighting Fixtures, T8, 1x18watts LED, 1620 lumens with built-in driver, Bi pin terminal, 200-250VAC, 60Hz., 140deg. Beam Angle, 50,000 burning hours, (200x1200)mm with aluminum large cell parabolic louver type, anodized reflector, cool daylight complete with essential wiring system.</p>
f. Down Lighting Fixture	Cove Lighting, 1x18watts, T5 LED tube, 1800 lumens with built-in driver, bi pin terminal, 200-250VAC, 60Hz., 40,000 burning hours, 140 deg. beam angle
g. Rechargeable Portable Emergency Light	Down Light, Recessed Type Spun Aluminum with 12watts LED Lamp, .6" dia., Clear Glass cover with white mounting ring complete with standard accessories and essential wirings
h. Exit & Fire Exit Signage	
i. Exhaust Fan	
j. Transfer Fan	<p>2 x 3-5watt LED, 4-6VDC, 4AH min, Sealed Lead Acid Battery</p> <p>3-5watts min., LED with back -up battery</p>
k. Air Curtain	<p>Ceiling Mounted, 55-watts min., 200cfm, 230V, 60Hz., with grill shutter/ louver or its approved type equivalent</p> <p>Wall Mounted, 55-watts min., 200cfm, 230V, 60Hz., with grill shutter/ louver or its approved type equivalent</p> <p>90-120watts, 230VAC, 60Hz., 11m/s (min.), 3m effective distance, or its approved equivalent</p>



4. CIRCUIT BREAKERS / PANEL BOARDS

Materials	Specifications
a. Main Distribution Panel (MDP)	Main: 350AT, 3Phase, 230VAC, 60Hz, 32kAIC Branches: 1-300AT, 3 Pole, 230VAC, 60Hz, 32kAIC 1- 100AT, 3 Pole, 230VAC, 60Hz, 25kAIC 2-Space Surface Mounted, Bolt-on, Industrial type, NEMA1, powder coated gray paint
b. Power Panel A/C (PP-A/C)	Main: 300AT, 3Phase, 230VAC, 60Hz, 32kAIC Branches: 6-50AT, 3 Pole, 230VAC, 60Hz, 18kAIC 4-40AT, 2 Pole, 230VAC, 60Hz, 18kAIC 3-30AT, 2 Pole, 230VAC, 60Hz, 18kAIC 1 Spare - 30AT, 2 Pole, 230VAC, 60Hz, 18kAIC 4-Space Surface Mounted, Bolt-on, Industrial type, NEMA1, powder coated gray paint and NEMA 3R for the Enclosed Circuit Breaker (ECB) of the ACCU's (outdoor unit)
c. Emergency Lighting/ Power Panel (ELPP)	Main: 100AT, 3Phase, 230VAC, 60Hz, 25kAIC Branches: 1-60AT, 3 Pole, 230VAC, 60Hz, 18kAIC 17-20AT, 2 Pole, 230VAC, 60Hz, 10kAIC 2-Space Surface Mounted, Bolt-on, Industrial type, NEMA1, powder coated gray paint
d. UPS Panel (UPSP) (Existing from the Branch)	Main: 60AT, 3Phase, 230VAC, 60Hz, 18kAIC Branches: 7-20AT, 2 Pole, 230VAC, 60Hz, 10kAIC 1-Space Surface Mounted, Bolt-on, Industrial type, NEMA1, powder coated gray paint
e. Manual Transfer Switch (MTS)	100AT, 3Phase, 230V, 60Hz. 25KAIC, Surface Mounted, Bolt-on, Industrial type, NEMA1



5. CONDUIT SUPPORT & OTHER MISCELLANEOUS & INCIDENTAL MATERIALS REQUIRED TO COMPLETE THE INSTALLATION

Materials	Specifications
a. Conduit support	Threaded bar with Grip Anchor
b. Conduit clamp	U-bolts/ strapped
c. Mounting of conduit	Angular bar, 1 ¼' x 1 ¼" x ¼"

III. SCOPE OF WORKS: Electrical Works

- The service provider/ contractor is required to conduct site inspection together with the Building Administration and EFMD Engineer or SSS representative to determine the nature and extent of necessary works, materials, services and consider these are essential and incidental requirement in the implementation of the project.
- The contractor shall be responsible for the thorough coordination with the concern parties and, secure of all necessary work permits that maybe required of the project.
- All works shall be properly coordinated with the Building Owner or SSS representative to discuss all phases of the works/ activities.
- Any changes and/ or modifications of the materials specification and work orders shall be subject to discussion with involve parties to address any conflicts before proceeding of the said changes prior to the approval of the Building Owner and the SSS representative.
- Supply and install of new electrical panel board complete with essential wiring system, terminal lags and other standard accessories, as indicated in the plan.
 - Main Distribution Panel (MDP)
 - Power Panel for Air-conditioning (PPAC)
 - Emergency Lighting Power Panel (ELPP)
 - Manual Transfer Switch (MTS)
 - UPS Distribution Panel (UPSDP – re-utilize from existing office)
- Dismantling and re-installation of the existing UPS Distribution Panel board from the existing office and to be transferred and installed to the new SSS Iligan office.
- Supply and install of new electrical wiring and layout materials for the power supply of the following equipment, fixtures and devices:
 - Convenience Outlet, Duplex, 3-prong for UPS power outlet, (*Note: ETRS Biometrics outlet shall be mounted at 1.2 meters above finished floor level*)



- Convenience Outlet, Duplex, 2-prong for normal power outlet
 - Convenience outlet, single, 2-prong for other devices
 - Pop-up Floor Mounted Outlet
 - Lighting Fixtures with Switches
 - Down Lighting Fixtures
 - Portable Emergency Light
 - Exit and Fire Exit Signage
 - Exhaust Fan/ Transfer Fan
 - Air-Curtain
- Supply and install of new electrical wiring and layout materials for the power supply of MSS Backdrop, Horizontal and Vertical Signage complete with individual control switch.
 - Supply and install of electrical layout materials for the power supply of the window type air-con unit complete with essential wiring system and standard accessories, as indicated in the plan.
 - Supply and install of conduit support/ hangers and shall be rigidly secured with appropriate fittings using appropriate materials.
 - All areas affected during implementation of the project by chipping/ boring, dismantling works and other related activities shall be restored to original condition at the owner's satisfaction at no additional cost to the SSS.
 - Supply of labor, materials and devices that are essential to complete the project. may it be mention or not in the Terms of Reference (TOR), specified or not in Bill of Quantity (BOQ) and proposed plan layout.
 - Prepare and submission of blue print as-built plans in standard size (20inx30in) duly signed and sealed by the Professional Practitioners (Electrical/ Mechanical Engineer).
 - Testing and commissioning of the electrical wiring system, fixtures and other devices.

IV. OTHER WORKS

Any damaged incurred during the activity shall be restored / repaired by the Contractor at his own expense and shall be done in a satisfactory and approved manner. Paint dropping and other stains relative to the project shall be removed from all areas.

V. PERMITS AND FEES

5.1 The work under this contract shall be in accordance to the latest requirements of the following:

- Philippine National Building Code
- Philippine Electrical Code
- Local Utility Company

Nothing contained in these specifications or shown on the drawings shall be construed as to conflict with the National and Local ordinances and these mentioned ordinances are hereby made part of this specification.

- 5.2 All permits and electrical fees required in this work shall be obtained by and at the expense of the contractor. The Engineer shall be furnished by the contractor, the copy of the final certificate of electrical completion and approval by the government authorities.
- 5.3 During the progress of work, the contractor shall keep a record of all changes where the actual installation differs from that shown in the contract drawings. Upon completion, the contractor shall finalize the “as-built” drawings on tracing paper and submit to the Engineer for approval before reproduction.

VI. SUBMITTALS

- 6.1 Manufacturer’s data, shop drawings and samples required for the specific materials shall be submitted for approval to the Engineer prior to procurement and delivery to job site.
- 6.2 Manufacturer’s data shall be descriptive item catalog cut which shall include the manufacturer’s name, trade name, model number, name plate data, and others.
- 6.3 Shop drawings when required shall show type, size, sectional view, installation details, and elementary and wiring diagrams.
- 6.4 A certified test results for specific items when deemed necessary shall be submitted to the Engineer by the Contractor.
- 6.5 Manufacturer’s data or samples should be submitted of the following items:
- Conduits and Fittings
 - Boxes and Accessories
 - Wires and Cables
 - Other items required by the Engineer

VII. STANDARD OF MATERIALS

All materials to be used in this installation shall be of high quality, free to any defect and of proven acceptability for the purpose it is intended for application. It shall conform to the latest applicable standards of the following:

- Philippine Electrical Code
- ASTM and NSC
- PEC and NEC

7.1 Raceways, Conduit Pipes and Fittings

7.1.1 Polyvinyl Chloride (PVC)

PVC conduits conforming to recognized standards for conduit as manufactured by Matsushita or approved equal.

7.1.2 Outlet Boxes and Covers

Terminations of pipes to outlet boxes shall be provided with suitable fitting and other devices especially designed for the purpose.

Receptacles : 2” x 4” x 2.5”

Pull Boxes : depends on the number of conductor to occupy the boxes

7.2 Conductors, Wires and Cables

All wires and cables shall be copper, soft drawn and annealed with ninety-eight (98%) percent conductivity. For power systems, the conductors shall be thermoplastic and insulated to withstand a working pressure rated at 230 Volts, THHN/THWN type as indicated in the drawings. The feeder lines to panel boards shall be heat and moisture resistant, with size as indicated in the drawings.

The minimum size to be used in the installation shall be #3.5 mm sq. except for the controls where #2.0 mm sq. may be allowed. All conductors from sizes of #3.5 mm sq. or larger shall be stranded for additional flexibility while in transit inside pipe.

All wires and cables described above shall be of reputable manufactures.

7.2 Electrical and Wiring Devices

7.3.1 Wall Receptacles

Wall receptacles shall be of conventional type with an ampere rating of 15A, 230V, duplex, flush mounted. The mounting height shall be 300 mm above floor finish. It shall be as manufactured by National, Jimbo, Toshiba or approved equal.

7.3.2 Wall Plates for Switches and Receptacles

Wall plates for receptacles, in regards to colors shall be the sole choice of the Engineer. The brand shall be the same as specified above.

7.4 Standard of Workmanship

The workmanship required in this section shall be the generally accepted engineering practice standard of safety. Defective workmanship shall be redone outright without extra cost to the Owner. Conduit installations, boxes, fittings and accessories shall conform to the requirements of the Philippine Electrical Code and other standards required locally.

During installation, due to precautions shall be observed to protect the conduit and thread from mechanical injuries. The conduit ends shall be sealed in approved manner during the installation whenever the work is interrupted.

Conduit shall be checked for freedom from obstruction by pulling galvanized wire through the entire run of the conduit. The galvanized wire shall be maintained inside the pipe until the conductors have been pulled permanently. Termination boxes for conduits shall be free from dirt and other debris which may cause obstructions.

All joints between lengths of conduit shall be water tight with red lead paints or other approved sealing agent.

Conduit shall be held firmly on pipe termination by a pair of locknut and bushing. All outlets shall be truly centered, plumb and leveled. Any discrepancy on outlet location between the electrical plans and the architectural plans shall be submitted to the attention of the Engineer.

Wiring method in general shall be installed inside rigid steel conduit as required in the plan; no such wire shall be pulled inside the pipe if the conduit system is not complete in all aspect, so that the conductor will be protected from damages and abrasion.



Conductors terminated in any kind of outlet box shall have at least 150 mm of wire extended free from the box as allowance for splicing. Color coding shall be observed throughout the installation to provide easy identifications.

Installation of lighting fixtures, wall mounted receptacles and switches shall be given due care as to prevent contact of live wire parts to respective fixtures.

Conductor joints or splices will only be allowed in boxes and should be properly insulated by means of a wire nut fitted to the size of conductor being joined. Splices will never be tolerated inside pipe.

7.5 Material Testing and Workmanship

7.5.1 Grounding

All exposed non-current carrying parts of Electrical Equipment and apparatus shall be properly grounded by means of ground rod driven one (1) meter below the ground level or connect to existing cold water pipe line. All metal conduit system and other parts required at ground potential shall be efficiently grounded. All panel boards' cabinet shall likewise be solidly grounded.

7.5.2 Materials and Workmanship Tests

All wiring system has to be tested for shorts and grounds after the installation has been completed. The Contractor shall furnish all necessary apparatus and testing equipment and will have to make good whatever deficiencies may be found. Test shall be conducted in the presence of the authorized representative of the Owner or the Engineer.

7.6 Guarantee

All materials and accessories furnished/installed under this part of the specifications shall be guaranteed for a period of one (1) year from date of acceptance thereof, and materials and equipment furnished shall be free from any defects in the materials, workmanship and design. At any time within one year after acceptance and upon proper notice the Contractor shall rectify any and all deficiencies including replacement of parts or the entire units without additional cost to the Owners, if such deficiencies have been caused directly or indirectly by inferior materials, faulty workmanship and/or defective design or parts. Expendable items are included in this one-year guarantee. During the guarantee period the Contractor shall perform free monthly inspection for the proper and efficient operation of the electrical system.

Mechanical Works

SECTION I: GENERAL PROVISIONS

1.0 SUMMARY

This section includes the scope of work, system description and general requirements to complete the air-conditioning systems of the project.

2.0 GENERAL REQUIREMENTS:

The contract drawings indicate the extent and general arrangement of the air conditioning systems. If departures from the drawings are deemed necessary, details of such departures and the reasons therefore shall be submitted to the Engineer and/or his representative for approval. No such departures shall be made without the prior written approval of the Engineer or his authorized representative.

- 2.1 **APPLICABLE STANDARDS:** All materials, machinery, and equipment shall be of the required quality used in good commercial and trade practice and shall be essentially the standard products of reputable manufacturers. The acceptability of these items including their workmanship and method of installation shall be established by the following:
- a. Philippine National Standard (PNS)
 - b. The Philippine Mechanical Engineering Code.
 - c. The Philippine Electrical Code.
 - d. Fire Code of the Philippines.
 - e. Building code of the Philippines
 - f. American Society of Heating, Refrigerating & Air-Conditioning Engineers (ASHRAE).
 - g. American Society of Mechanical Engineer (ASME).
 - h. National Fire Protection Associations (NFPA).
 - i. Air Moving and Conditioning Association (AMCA).
- 2.2 **EQUIPMENT SCHEDULE:** As soon as practicable, after date of the award of the contract, a complete schedule of the equipment proposed for installation shall be submitted for the approval of the Engineer showing dimensions and arrangement of the equipment necessary clearances. The schedule shall include catalogs, diagrams, and drawings. In the event any items or equipment contained in the schedule fails to comply with the specifications, such item may be rejected. *If applicable*
- 2.3 **SHOP DRAWINGS:** As soon as practicable, after award of the contract and prior to installation, complete shop drawings, showing the sizes and the type of equipment, together with complete duct and piping layout and electrical connections shall be submitted to the Engineer for approval. *If applicable*
- 2.4 **AS-BUILT PLANS:** “As –Built” drawings is required prior to issuance of certificate of completion. “As –Built” drawings shall be furnished the building owner. The As-Built plan shall be of 20” x 30” blue print, signed and sealed by a Professional Mechanical Engineer. The As-Built plans shall include all contract drawings with the necessary revisions and modifications resulting in change from the original drawings, supplemented by such schematic, isometric, or other types of drawings as may be necessary to provide a clear understanding of installed systems “AS-BUILT”.
- 6.5 **LOCAL LAWS AND ORDINANCES:** Aside from herein specified, the equipment and materials to be furnished and the installation of the systems shall conform to local laws, codes and other ordinances that are in force. If necessary, the contractor shall secure a permit to install from authorized agency having a jurisdiction over the place of installation and before final acceptance by the Owner a final certificate of inspection and a permit to operate the system shall be secured from the same government agency. Fees and other expenses due on these permits shall be borne by the contractor.



- 2.6 All tools, equipments, safety gadgets, medical kits shall be provided to ensure safety of the personnel and property against accidents and any untoward incidents that may affect the execution of the project.

3.0 COORDINATION OR WORK DONE BY OTHER TRADES:

- 3.1 It shall be the responsibility of this Contractor to closely coordinate his work with other trade concern to avoid conflicts and to insure the smooth and proper installation of the project.
- 3.2 This contractor shall carefully check space requirements to make sure that his equipment, air ducts, pipes, dampers, motor controllers, etc. can be installed in the space allotted for the same.

4.0 DESCRIPTION OF SYSTEMS:

The air-conditioning units to be relocated are split type units and window type room air – conditioners for brand new units. The fan coil units are floor mounted and wall mounted. The air-cooled condensing units shall be installed as per plan.

5.0 DESCRIPTION OF WORKS:

5.1 WORKS INCLUDED:

In general, the work under this section shall include but is not limited to the following principal items:

- a. Supply, Delivery and Installation of Two (2) 2.5HP Window – Type Room Air –Conditioners at the following areas:
 - Teller Section (RAC 101)
 - MSS Seating Area (RAC 102)
- b. Supply, Delivery and Installation of Two (2) 5TR Floor Mounted Split-type Air-Conditioning Units in the following areas:
 - e – Terminals and SSSET (ACU 101)
 - ID Capture and MSS Seating Area (ACU 105)
- c. Supply, Delivery and Installation of Four (4) 3TR Floor Mounted Split-type Air-Conditioning Units in the following areas:
 - Teller Seating Area (ACU 107)
 - Administrative Section (ACU 108)
 - Benefits Section (ACU 109)
 - ABH Area and MSS Backroom (ACU 110)
- d. Supply, Delivery and Installation of One (1) 1.5HP Wall Mounted Split-type Air-Conditioning Unit in the Office of the Branch Head.
- e. Dismantling of Four (4) 5TR Floor Mounted Split-type Air-Conditioning Units including its corresponding enclosed circuit breakers (ECB) and mounting platforms in the existing office. Hauling and reinstallation of the units in the following areas of the proposed relocation site:
 - Main Lobby and Info Counter (ACU 102)
 - Medical Evaluation Center (ACU 103)
 - Accounts Management Section (ACU 104)
 - MSS Seating Area (ACU 106)



- f. Supply and Installation of Refrigerant Piping System (refer to manufacturer's recommendation for refrigerant pipe sizes), Hard-drawn and shall be properly insulated. Supply and Installation of Drainage Piping System, 1inØ, complete with fittings and essential accessories and rigidly secured with appropriate supports and mounting brackets.
- g. Fabrication and installation of FCU and ACCU platforms and refrigerant hangers. Fabricated platforms, mounting brackets, supports and other metal structures shall be painted with epoxy primer and finish with QDE paint suitable for outdoor application. Provide rubber pads for all mounting platforms.
- h. Supply and installation of brand new feeder line from Distribution Panel up to Outdoor Units and electrical wiring system from indoor units up to outdoor units for all units (brand new and relocated units). Reinstallation of ECB's of relocated units.
- i. Furnish and installation of refrigerant, flushing agents and other consumables. Supply and installation of materials and other services not mentioned but are necessary to be rendered to complete the installation of electro-mechanical equipments and facilities and all other works and services. Cleaning and housekeeping shall be observed during the entire project implementation.
- j. Conduct appropriate testing and commissioning of all air-conditioning units and make sure that all mechanical and electrical parameters are operating in good condition. Submit complete report of equipment operation supported with recorded electrical and mechanical parameters obtained during the testing and commissioning.
- k. The contractor is required to perform/conduct complete maintenance servicing and cleaning of all brand new A/C equipment within the warranty period.

SECTION 2: DESCRIPTION OF EQUIPMENT

1.0 AIR-COOLED CONDENSING UNITS

- a. Units shall have capacity and configuration as shown on the drawings and as manufactured by a reputable manufacturer. All units shall be furnished factory assembled, tested and piped complete with compressors, fans, motors, integrally wired control panel, starters, spring type vibration isolators, steel base, and refrigerant control accessories. Unit shall have heavy gauge corrosion protected weatherproofed casing.
- b. Compressors shall be scroll type and rated to operate at not more than 3,500 RPM at full load. Units shall be equipped with reversible oil pumps, shut-off valves, oil level sight glass, high and low pressure cut-outs, oil safety switches and crankcase heaters to control oil dilution during shut-down.
- c. Condenser coils shall be seamless copper with mechanically bonded aluminum plate fins. Coil size, refrigerant circuiting and number of rows deep shall be compatible with the compressor displacement and capacity at the specified operating conditions with minimum refrigerant pressure drop.
- d. Condenser fans shall be statically and dynamically balanced propeller type fans directly driven by totally enclosed and inherently protected motors.



- e. Motor starters, control components and power terminal shall be grouped in an accessible control box inside the unit casing. Electrical components shall be pre-wired and control circuits shall be independently protected with fuses or breakers. Compressor protection shall include automatic relays to prevent excessive compressor short cycling.
- f. A complete operating charge of refrigerant 22 and compressor oil shall be furnished.

2.0 FAN COIL UNITS

- a. Units shall be floor mounted slim type or as specified in the equipment schedule.
- b. Unit shall have capacity at the operating conditions specified. They shall include the evaporator coil, expansion valve, centrifugal type air circulation blower, permanent type air filter, condensate drip pan and insulated decorative cabinet with discharge plenum, supply and return air grilles.
- c. Fan motors shall be equipped with overload protection.

SECTION 3: BASIC MATERIALS AND METHODS

1.0 REFRIGERANT PIPING

- a. Refrigerant piping shall be type L, hard-drawn seamless copper, suitable for a working pressure of 2413kPa/350psig (refer to manufacturer's recommendation for refrigerant pipe sizes). Fittings shall be wrought copper or brass designed for use with high temperature solder and suitable for a working pressure of not less than 2413kPa/350psig. Joints from soldered to threaded joints shall be made with standard adapter fittings using high temperature solder. Pipes or tubing shall be cut accurately to measurements established at the building lines. All piping shall be laid straight and no pipe shall be laid against other metal without insulation. After cutting, the tubing shall be reamed, all burrs removed and the internal surfaces thoroughly cleaned. While soldering pipes and fittings together, a continuous flow of inert nitrogen gas must be applied to sweep the internal surface of the tubing to avoid the formation of oxide inside.
- b. Condensate drain piping shall be of PVC pipe and sized to liberally dispose of the condensate to the nearest floor drain. A P-trap with a clean out plugs shall be provided at the outlet for each drain pan.
- c. Pipe supports, and hangers shall be provided and fabricated in a workmanship manner out of steel angles, rods and flat bars. Metal to metal contact between pipes and hangers must be avoided by providing a 3mm. Thick rubber in between.
- d. Supports on horizontal lines shall be spaced at not more than 1.80 meters on center. All piping must be properly anchored so that no stress placed on equipment connection by expansion.
- e. Pipe sleeves shall be of standard PVC pipes with sufficient diameter to provide a minimum clearance of 6mm around the pipe and in case of insulated pipe approximately 6mm around the insulation. Pipe sleeves shall be installed whenever a pipe passes masonry or concrete. Pipes should not be permitted to pass through bearing walls, beams, or columns.

- f. Piping insulation shall be applied on all refrigerant suction and condensate drain lines. Insulation material shall be flexible elastomeric pipe insulation 2.5mm thick. Joints shall be sealed with appropriate contact adhesive. All refrigerant pipes shall be wrapped by polyethylene film cladding together with the wiring conduit.
- g. Refrigerant pipe sizes to be installed should be confirmed with the equipment supplier prior to installation at the job site.
- h. Upon completion of the installation, the entire refrigerant circuit shall be pressure and leak tested. Dry nitrogen gas should be used with a tracer of the type of refrigerant charge of the system. The high and low side shall be subjected to a pressure of 350 psig. These test pressures should be maintained for 24 hours and any leaks found within the period must be immediately corrected. Leak detector to be used shall either be halide or electronic type. Dehydration should be in accordance with the equipment manufacturer recommendations. The triple evacuation should be employed bringing down the vacuum to 0.180 inch mercury absolute in each step or equivalent to 32° F indicated by the wet bulb vacuum indicator.

2.0 REFRIGERANT VALVES

- a. Refrigerant valves shall be installed in the suction and discharge lines adjacent to the compressor and on the liquid line discharge side of the condenser. The valves shall be wrought copper or brass for use with R-22 a, suitable for a working pressure of 2413kPa.
- b. Thermostatic expansion valves of the proper capacity shall be installed in the refrigerant supply line to the evaporator. They shall be of the diaphragm type, externally equalized and must be of such optimum size as to maintain a full active evaporator under all load conditions and yet reduce the possibility of flooding the refrigerant to the compressors during part load conditions.
- c. Dehydrators in combination with strainers shall be installed in the refrigerant line on the inlet side of the thermostatic expansion and solenoid valves. They shall have brass or copper bodies designed for a working pressure of 2413 KPa.
- d. Sight glasses shall be combination of liquid and moisture indicators and shall be installed in the refrigerant lines to indicate whether or not the systems are properly charged and whether or not refrigerant in the system is dry.

3.0 CONTROL SYSTEM

- a. Operation of the air conditioning system shall be fully automatic. They shall be capable of maintaining at full or partial loads inside conditions of 25°C D.B. (plus or minus 1.11 C) and 50% relative humidity (plus or minus 5% RH). Room thermostat shall control the operation of the compressor thru relays.
- b. The controls shall be wired in such a way that whenever a condensing unit is in operation the fan coil unit is also in operation.
- c. The compressor crankcase heater must be of such capacity as to provide sufficient heat to the oil in the crankcase during inoperative periods so that serious oil foaming and slogging shall be prevented. The heater must be automatically energized whenever compressor operation stops and de-energized when the compressor starts.



4.0 WIRING

All electric power and control wiring necessary to be provided by the Contractor shall be accomplished in accordance with the requirements of the electrical plans and specifications and shall conform to the PEC. Wiring system including materials shall also comply with the Manufacturer's Recommendation.

5.0 PAINTING AND FINISHING

Pipe hangers, duct hangers, un-insulated piping and other ferrous metal work that have not received factory painting shall be thoroughly cleaned and apply two (2) coats of rust preventive paint such as epoxy primer or red oxide.

6.0 VIBRATION ABSORBING FOUNDATION

All items for mechanical equipment shall be properly isolated from the building structure by means of vibration absorbing foundation. Each foundation shall include an adequate number of standard vibration isolation units. The Contractor is advised to submit a shop drawing of the proposed steel platform for the condensing units at the roof that is signed and sealed by a structural engineer for approval by the Architect prior to fabrication.

7.0 TESTING AND BALANCING

Upon completion of installation and when the system is ready for operation, capacity and general test shall be conducted by a competent and experienced engineer to be furnished by the Contractor. These tests shall demonstrate the specified capacities of the equipment and in accordance with the manufacturer's recommendation.

All instruments to be used shall be of the Industrial Grade, recently calibrated and of the proper type to suit the type of system being tested and balanced.

All piping shall be pressure tested at 1½ times the design working pressure. The pressure shall be held for 24 hours and no pressure loss shall appear at the end of this period. All leaks shall be repaired and test repeated.

During this test, the Contractor shall demonstrate to the satisfaction of the Owner that all parts are installed correctly and operating properly. The Contractor shall be responsible for the satisfactory performance and all operating parameters such as temperature, current, voltage, electrical controls, etc.

8.0 TECHNICAL PUBLICATIONS

The Contractor shall furnish the Owner three (3) copies of the maintenance and operational manual upon completion of the project. The manual shall be bound between hard covers and shall contain but is not limited to the installation and operating instruction, maintenance procedures, illustrations and drawings, detailed descriptions, tests, adjustments, safety precautions and parts list.



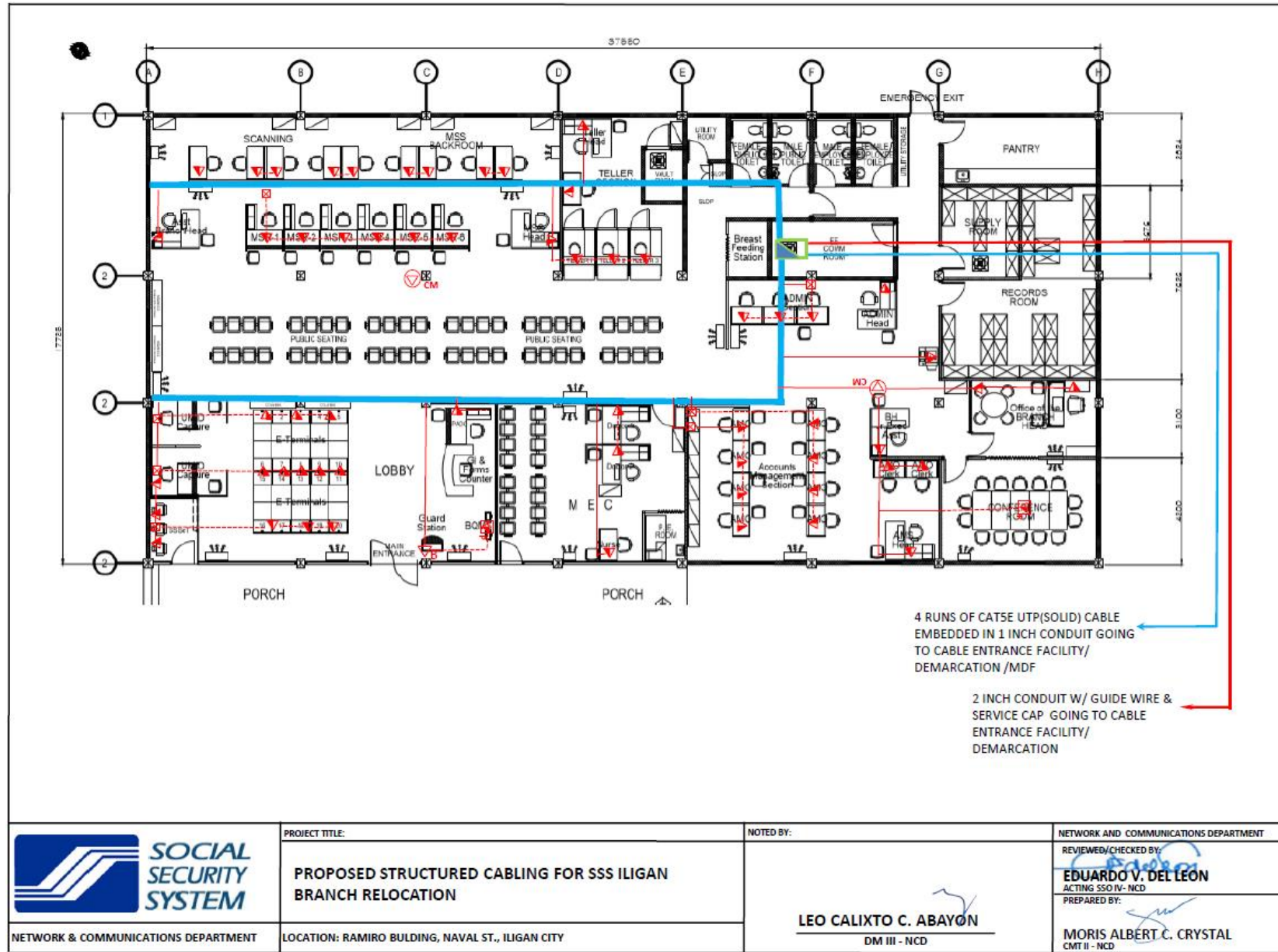
9.0 GUARANTEE AND SERVICE

The air conditioning equipment and accessories installed under this part of the specifications shall be guaranteed for a period of one (1) year from date of acceptance thereof, and materials and equipment furnished shall be free from any defects in the materials, workmanship and design. At any time within the warranty period after acceptance and upon proper notice, the Contractor shall rectify any and all deficiencies including replacement of parts or the entire units without additional cost to the Owners/SSS, if such deficiencies have been caused directly or indirectly by inferior materials, faulty workmanship and/or defective design or parts. Expendable items such as oil, refrigerant, belts, filters, etc., are included in this one year guarantee. During the guarantee period the Contractor shall perform free quarterly cleaning and servicing for all brand new units and free monthly inspection for the proper and efficient operation of the system.

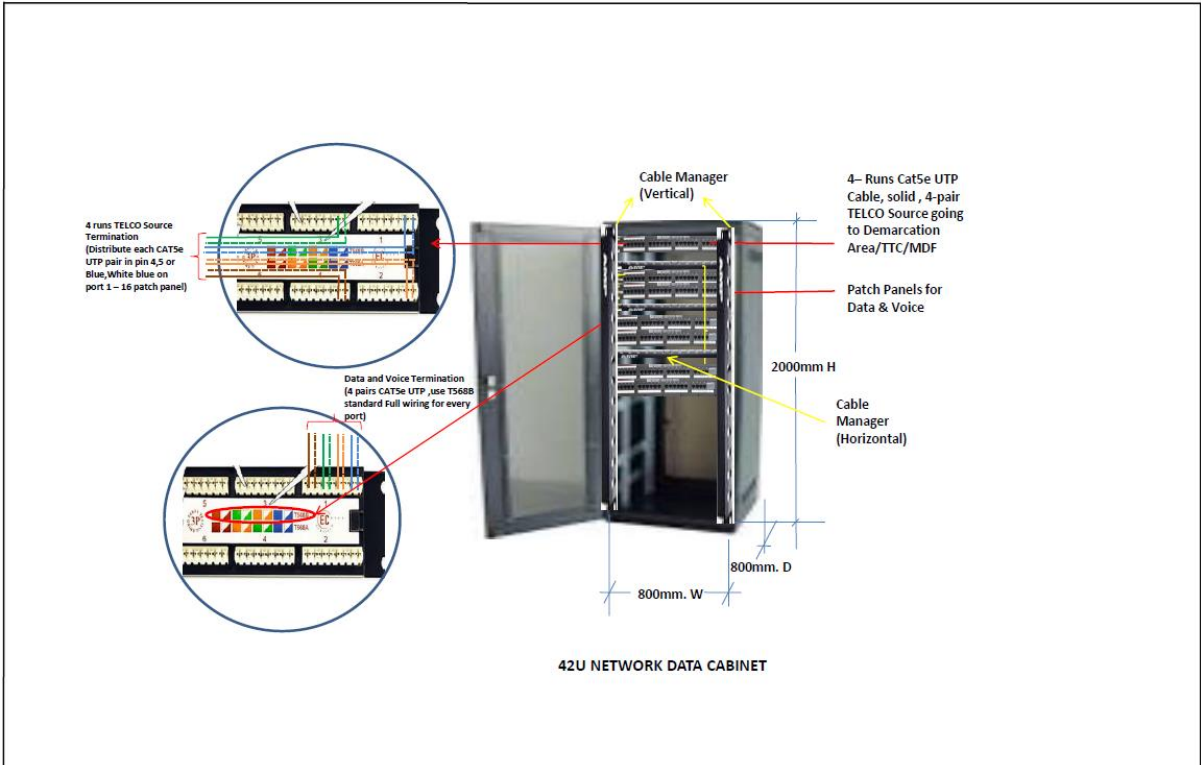
10.0 HOUSE KEEPING


Any damaged incurred during the activity shall be restored or repaired by the Contractor at his own expense and shall be done at the satisfaction of the client or SSS. Paint dropping and other stains relative to the project shall be removed from all areas. During the process of the work and on the completion of the project, the Contractor shall remove from premises all dirt, debris, rubbish and waste materials caused by him in the performance of his work. He shall remove all tools, scaffolding and surplus materials after completion and acceptance of the work. All affected areas that will be damage for the access of roughing-in installation shall restored at its original state or conditions.






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 SOCIAL SECURITY SYSTEM	PROJECT TITLE: PROPOSED STRUCTURED CABLING FOR SSS ILIGAN BRANCH RELOCATION	NOTED BY: LEO CALIXTO C. ABAYON DM III - NCD	NETWORK AND COMMUNICATIONS DEPARTMENT REVIEWED/CHECKED BY: EDUARDO V. DEL LEON ACTING SSO IV- NCD PREPARED BY: MORIS ALBERT C. CRYSTAL CMT II - NCD
	LOCATION: RAMIRO BUILDING, NAVAL ST., ILIGAN CITY		

GENERAL NOTES/SCOPE OF WORKS:		SYMBOLS AND LEGEND:	
<ol style="list-style-type: none">SUPPLY NECESSARY MATERIALS, MANPOWER, TOOLS AND TECHNICAL PERSONNEL FOR THE FULL IMPLEMENTATION OF THE PROJECTROUGHING -INS INSTALLED OVER THE CEILING SHALL BE CABLE RACEWAY (2" X 4"), ON OTHERS, MAY USE PVC OR EQUIVALENT.SUPPLY OF NETWORK CABINET (42U 800MM X 800MM X 2000 MM) WITH POWER STRIP, 8 PCS. 3-PRONGE, 220V C.O.SUPPLY AND CABLE PULLING OF CAT5E-SOLID UTP CABLES FOR VOICE, 64 64 DATA, FROM NETWORK CABINET TO HORIZONTAL DISTRIBUTIONS.PROVISION OF 4 RUNS OF CAT5E UTP (SOLID) CABLE EMBEDDED IN 1 INCH CONDUIT GOING TO MDF/DEMARCATON AREA (NOT LIMITED TO A SINGLE TELCO. PROVIDER)PROVISION OF 2 INCH. DIAMETER CONDUIT W/ GUIDE WIRE FROM NETWORK CABINET GOING TO BLDG. MAIN DISTRIBUTION FRAME /DEMARCATON AREA/CABLE ENTRANCE FACILITYWHENEVER NECESSARY PROVIDE PULL BOX OF PROPER SIZE AND DIMENSION ALTHOUGH NOT INDICATED IN THE PLANSUPPLY OF CAT5E PATCH PANELS: DATA/VOICE 6 PCS. TELCO. SOURCE 1 PC.ANY OTHER MATERIALS NECESSARY TO COMPLETE THE PROJECT SHALL BE IN THE ACCOUNTABILITIES OF THE CONTRACTORTAGGING,TERMINATION, TESTING, AND COMMISSIONING OF ALL DATA AND VOICE OUTLETSTURNOVER AND SUBMISSION OF AS-BUILT PLAN AND DOCUMENTATION.		<ul style="list-style-type: none">CABLE RACEWAY 2" X 4" WITH COVERPULLBOX /SQUAREBOXCAT5e DATA & VOICE OUTLET W/ FACE PLATEBIOMETRICS 1.2M ABOVE FINISHED FLOORINGCONDUITNETWORK CABINETDATA OUTLET W/ FACE PLATE (CEILING MOUNTED)POP-UP DATA/VOICE OUTLET W/ FACE PLATE	

 SOCIAL SECURITY SYSTEM	PROJECT TITLE: PROPOSED STRUCTURED CABLING FOR SSS ILIGAN BRANCH RELOCATION	NOTED BY: LEO CALIXTO C. ABAYON DM III - NCD	NETWORK AND COMMUNICATIONS DEPARTMENT REVIEWED/CHECKED BY: EDUARDO V. DEL LEON ACTING SSO IV- NCD PREPARED BY: MORIS ALBERT C. CRYSTAL CMT II - NCD
	LOCATION: RAMIRO BUILDING, NAVAL ST., ILIGAN CITY		



Section VII. Drawings

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EXTERIOR PERSPECTIVE



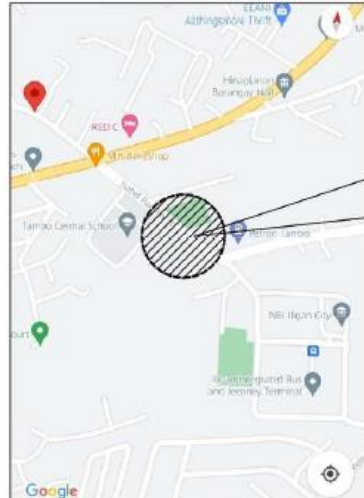
EXISTING BUILDING



MAIN LOBBY / BENEFITS SECTION AREA



EE ROOM / RECORDS / PANTRY AREA



1 SITE PHOTOS
A-00 NOT TO SCALE

SSS ILIGAN BRANCH
GF RAMIRO BUILDING, ISABEL RAMIRO ST.,
ILIGAN CITY



2 VICINITY MAP
A-00 NOT TO SCALE

TABLE OF CONTENTS

ARCHITECTURAL

A-00	SITE PHOTOS / VICINITY MAP /TABLE OF CONTENTS
A-01	PROPOSED FLOOR PLAN
A-02	DESIGNATION PLAN
A-03	DIMENSION PLAN
A-04	FURNITURE PLAN
A-05	REFLECTED CEILING PLAN
A-06	CROSS SECTION / LONGITUDINAL
A-07	TOILET/PANTRY/SLOP SINK DETAILS
A-08	SCHEDULE OF DOORS & WINDOWS
A-09	GLASS PANEL & GLASS DOOR DET.
A-10	TYP. CEILING ANCHOR BLOWUP DET
	COVE LIGHTING DETAIL
A-11	INDOOR SIGNAGE DETAILS
A-12	INDOOR SIGNAGE DETAILS
A-13	INDOOR SIGNAGE DETAILS
A-14	HOR. & VERT. SIGNAGE DETAILS

STRUCTURAL

S-01	GENERAL NOTES
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ELECTRICAL

E-01	GENERAL NOTES, LEGEND & SYMBOLS
E-02	SINGLE LINE DIAGRAM
E-03-E-04	LOAD SCHEDULE
E-05-E-06	LIGHTING LAYOUT
E-07	NORMAL & EMERGENCY POWER LAYOUT
E-08	LIGHTING LAYOUT
E-09	FIRE DETECTION & ALARM SYSTEM
E-10	MISCELLANEOUS DETAILS

MECHANICAL

M-01	GENERAL NOTES, LEGEND & ABBREVIATION, EQUIPMENT SCHEDULE
M-02	EQUIPMENT & INSTALLATION DETAILS
M-03	GF PROPOSED MECHANICAL LAYOUT
M-04	GF PROPOSED AC ELECTRICAL LAYOUT

STRUCTURED CABLING

VD-01	VOICE AND DATA PLAN
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REPUBLIC OF THE PHILIPPINES

SOCIAL SECURITY SYSTEM
EAST AVENUE, QUEZON CITY

OFFICE OF THE ENGINEERING AND
FACILITIES MANAGEMENT DEPARTMENT

REVIEWED BY:

MICHAEL A. SAIYO
OFFICER IN CHARGE
CIVIL-ARCHITECTURAL

Project In-Charge

MR. JOSE EDUARDO RAMOS/ENGR. EMILY M. BELTRAN-CARRION

REVIEWED BY:

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TEAM HEAD
ELECTRO-MECHANICAL I

Project In-Charge

ENGR. ELMER D. MESCALLADO / ENGR. FRANCIS F. FLORES
/ ENGR. ANTONIO V. TRINOS, JR.

CHECKED BY:

STEPHEN P. YAP
CEO - IV
ENGINEERING SECTION

COORDINATED WITH:

LEO CALIXTO C. ABAYON
DEPARTMENT MANAGER III
NETWORK AND COMMUNICATION

Project In-Charge

NOEL M. BERNAL / EDUARDO V. DE LEON

FELIFE R. CABANERO
ACTING HEAD
ICTSUPPORT SERVICES DIVISION



PROJECT TITLE:
**PROPOSED RELOCATION OF
SSS ILIGAN BRANCH**

LOCATION: G/F Ramiro Building, Isabel Ramiro St., Iligan City

RECOMMENDING APPROVAL:

GILBERT N. MAGALIT
DEPARTMENT MANAGER II - E/FMD

HYDEER IRAQUID
ACTING HEAD - GSD

APPROVED AS USER/OWNER:

EDWIN M. ALO
CONCURRENT ACTING HEAD
MINORING OPERATIONS GROUP

APPROVED FOR IMPLEMENTATION:

JOHNSY L. MUNGUNDAYAO
ACTING HEAD, ADMINISTRATION GROUP

ENGINEERING TEAM

DESIGNED & DRAWN BY:
JOSE EDUARDO S. RAMOS-STR. Architect/CAT
REVIEWED & CHECKED BY:
MICHAEL A. SAIYO - CIVIL-ARCHIT. /
CHECKED BY:
Stephen P. Yap - CEO IV, Eng'g Section

SHEET CONTENT:

SITE PHOTOS
VICINITY MAP
TABLE OF CONTENTS

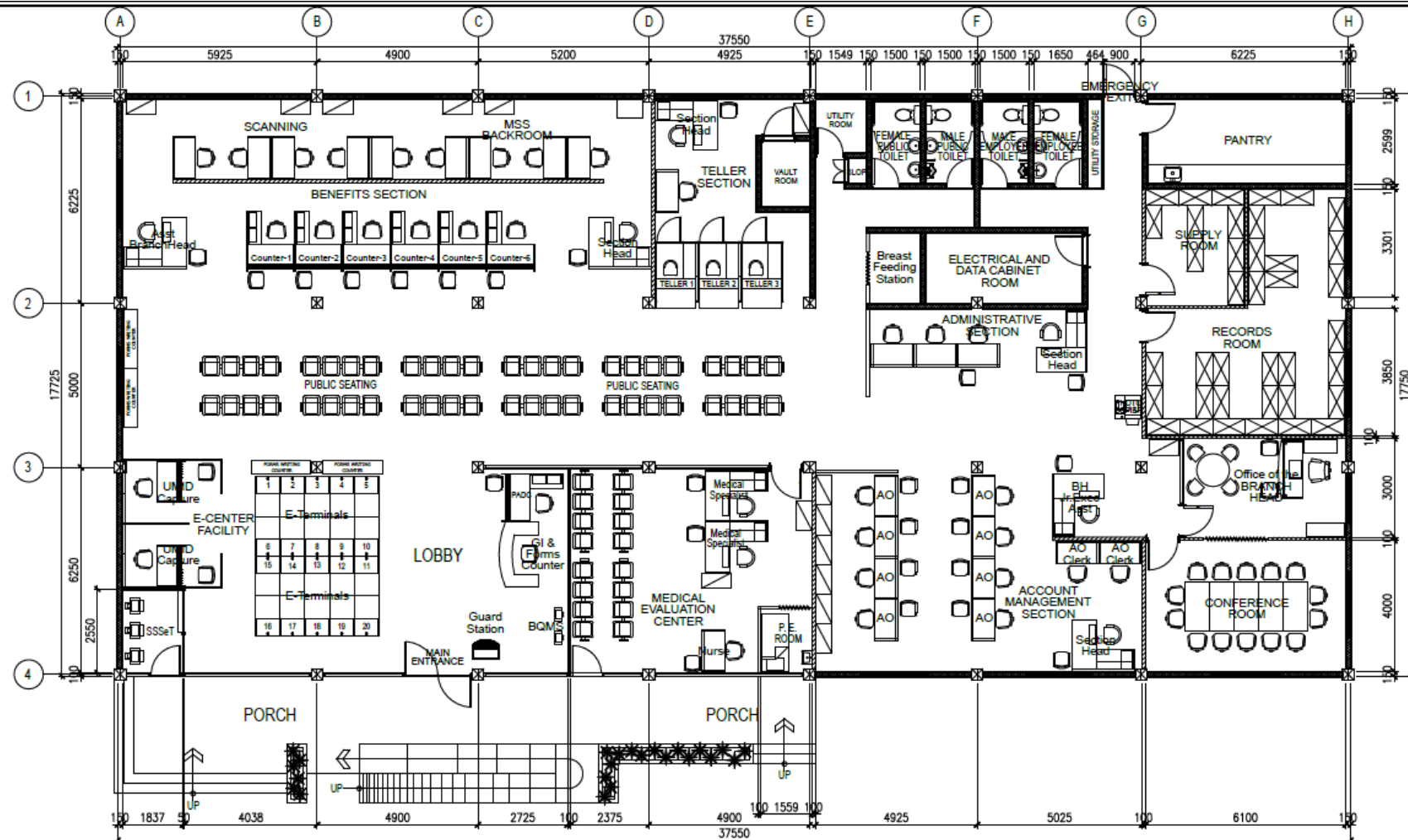
ALL DRAWINGS MUST BE
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CONTRACTOR.
ALL DISCREPANCIES SHOULD
BE REPORTED IMMEDIATELY
TO THE PROJECT MANAGER
AND PROJECT MANAGER.

CONTRACTORS ARE TO
PREPARE AND SUBMIT SHOP
DRAWINGS TO THE
PROJECT PRIOR TO
COMMENCEMENT OF WORKS.



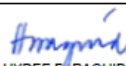
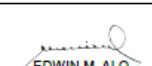

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A-00

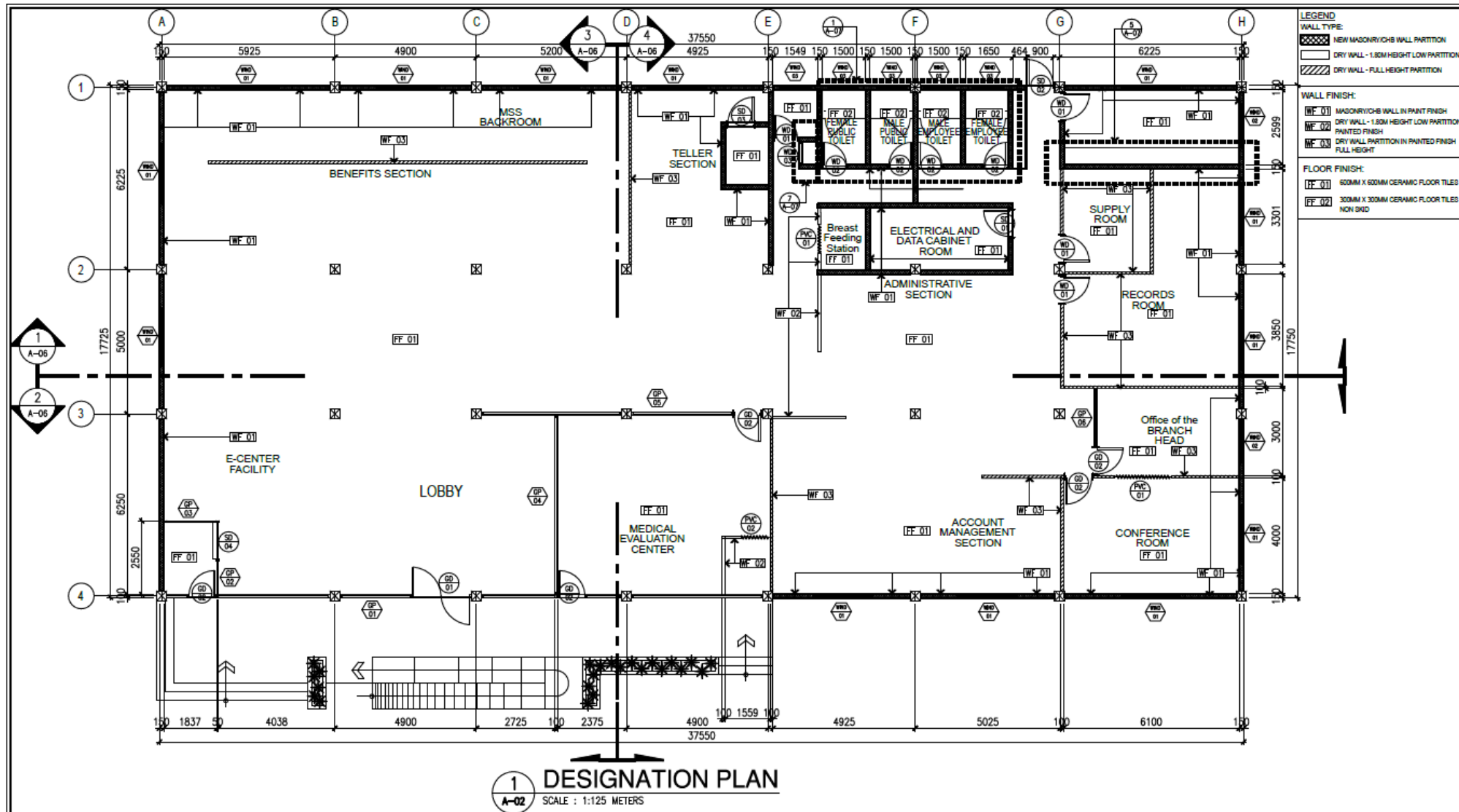
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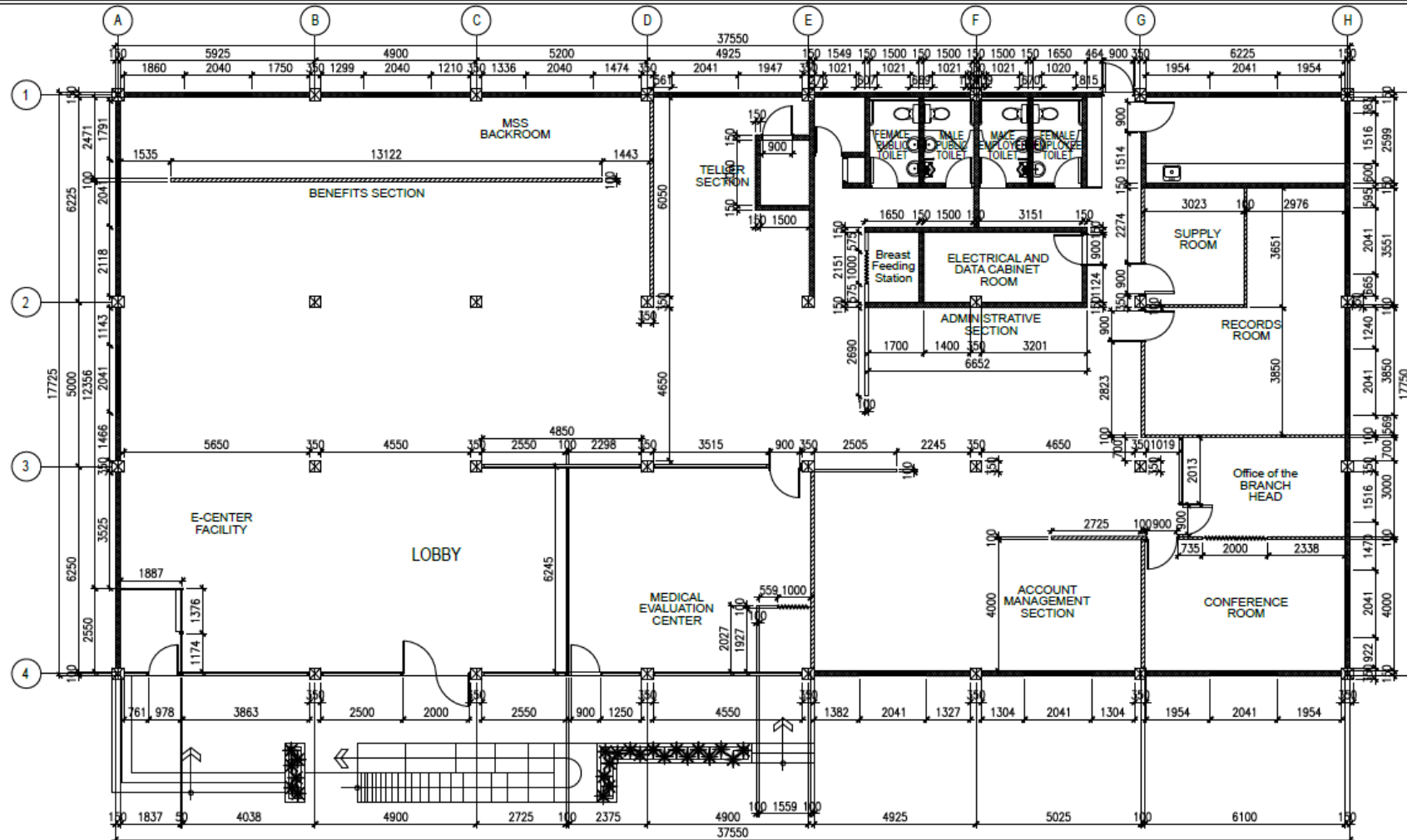
1 PROPOSED FLOOR PLAN
A-01 SCALE : 1:125 METERS

 SOCIAL SECURITY SYSTEM	PROJECT TITLE: PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: G/F Ramiro Building, Isabel Ramiro St., Iligan City	RECOMMENDING APPROVAL:  GILBERT N. MAGALIT DEPARTMENT MANAGER III - EFMD  HYDEE F. RAQUID ACTING HEAD - GSD	APPROVED AS USER/OWNER:  EDWIN M. ALOC CONCURRENT ACTING HEAD MINDANAO OPERATIONS GROUP	APPROVED FOR IMPLEMENTATION:  JOHNSY L. MANGUNDAYAO ACTING HEAD, ADMINISTRATION GROUP	ENGINEERING TEAM DESIGNED & DRAWN BY: Jose Eduardo S. Ramos-Sr. Architect, CAT REVIEWED & CHECKED BY: Michael A. Sano - DIC, CAT CHECKED BY: Stephen P. Yap - CEO IV, Engrg. Section	SHEET CONTENT: PROPOSED FLOOR PLAN	ALL DRAWINGS MUST BE VERIFIED ON SITE BY THE CONTRACTOR. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO SSS HEADQUARTERS AND PROJECT MANAGERS. CONTRACTORS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORKS. SHEET NO. A-01 DATE: October 28, 2021
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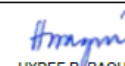
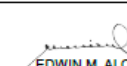





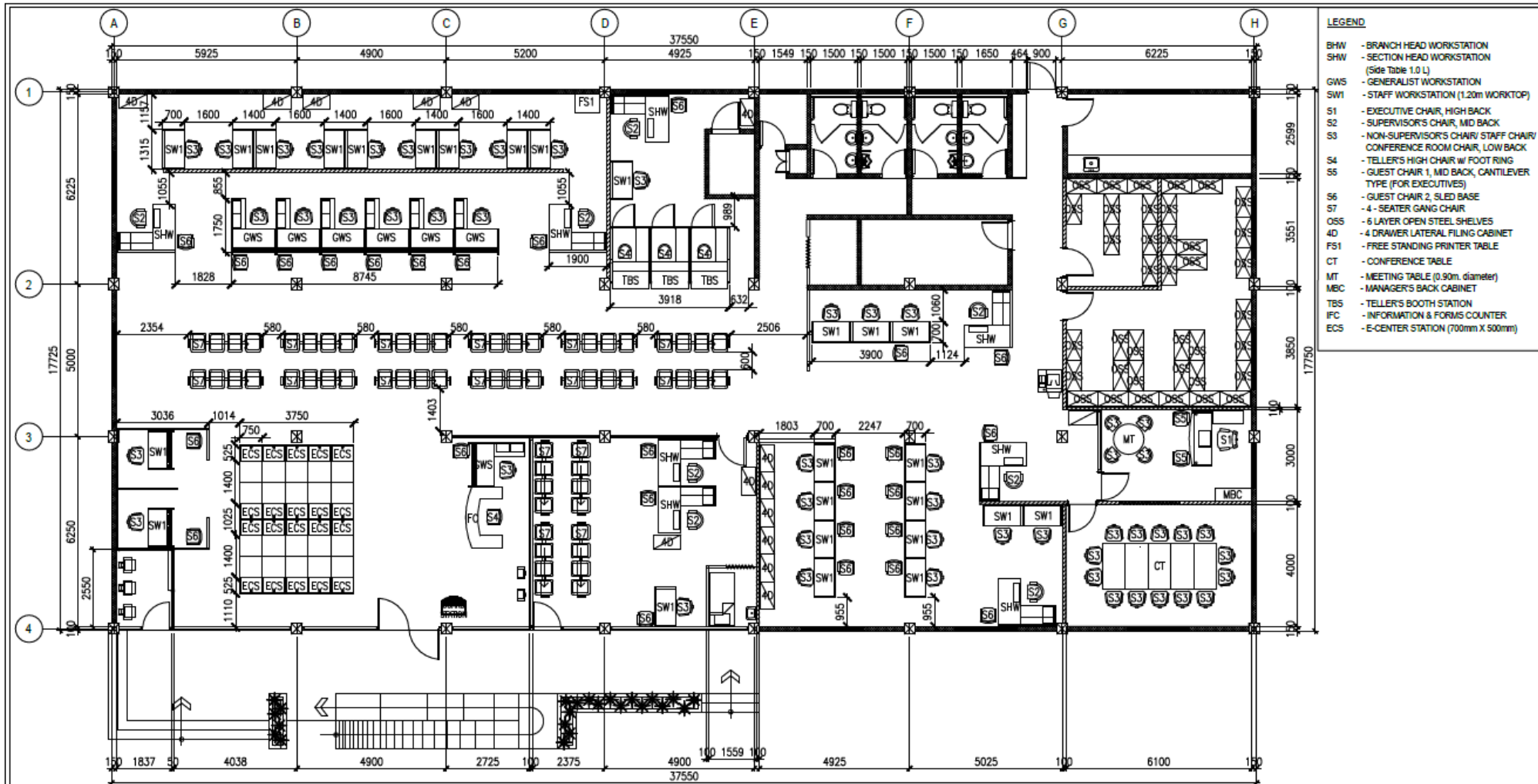
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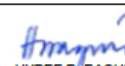
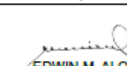

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A-03 DIMENSION PLAN
SCALE : 1:125 METERS

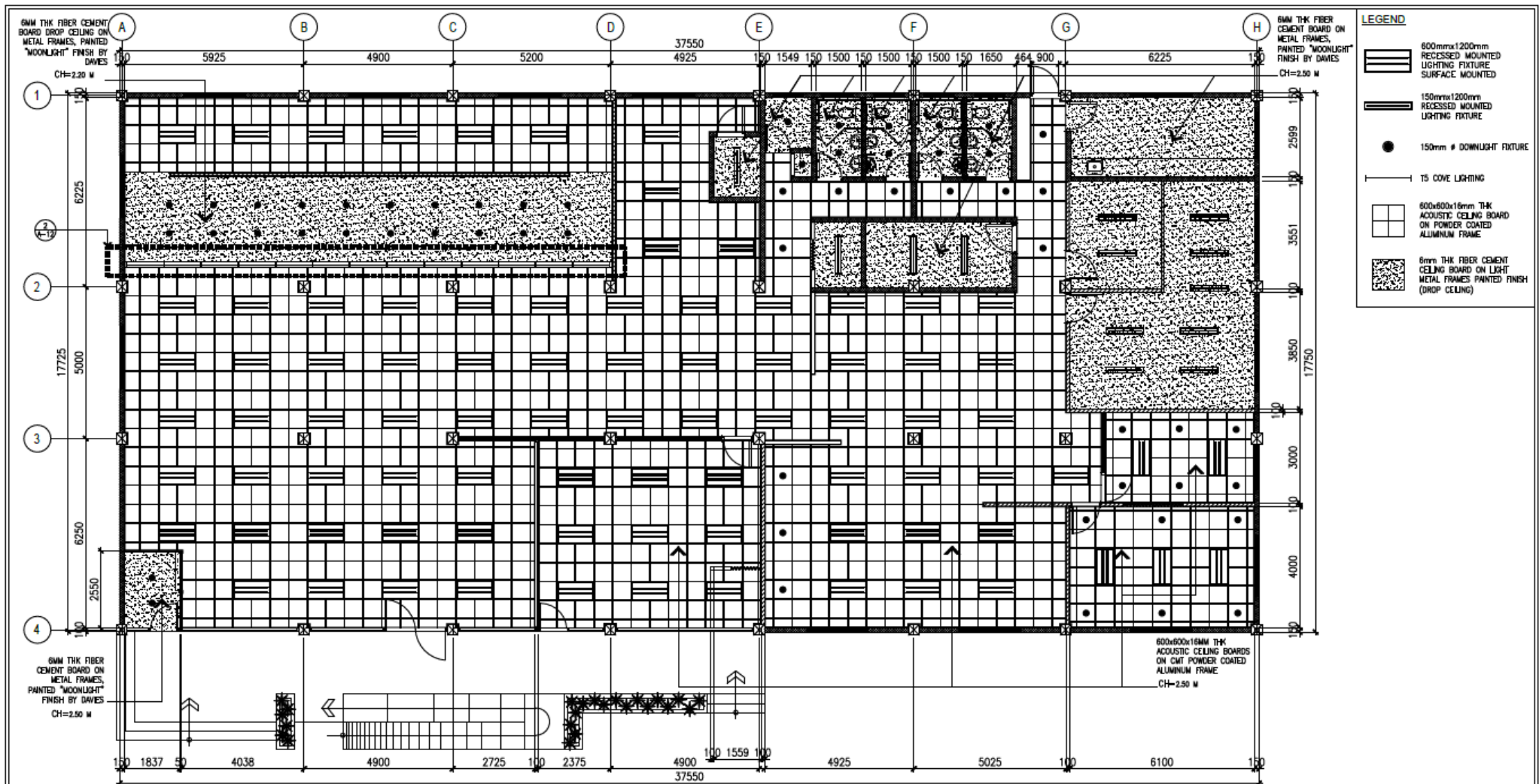
 SOCIAL SECURITY SYSTEM ENGINEERING AND FACILITIES MANAGEMENT DEPARTMENT	PROJECT TITLE: PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: G/F Ramiro Building, Isabel Ramiro St., Iligan City	RECOMMENDING APPROVAL:  GILBERT N. MAGALIT DEPARTMENT MANAGER III - EFMD  HYDEE R. RAQUID ACTING HEAD - GSD	APPROVED AS USER/OWNER:  EDWIN M. ALO CONCURRENT ACTING HEAD MINDANAO OPERATIONS GROUP	APPROVED FOR IMPLEMENTATION:  JOHNSY L. WANGUNDAYAO ACTING HEAD, ADMINISTRATION GROUP	ENGINEERING TEAM DESIGNED & DRAWN BY: Jose Eduardo S. Ramos-Sr. Architect, CAT REVIEWED & CHECKED BY: JUANES A. Salvo - CIV. CAT CHECKED BY: Stephen P. Yap - CEO IV, Eng'g Section	SHEET CONTENT: DIMENSION PLAN	ALL DIMENSIONS MUST BE VERIFIED ON SITE BY THE CONTRACTOR. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGER. CONTRACTORS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO BE APPROVED PRIOR TO COMMENCEMENT OF WORKS.	SHEET NO. A-03 DATE: October 28, 2021
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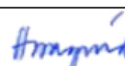
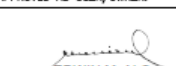



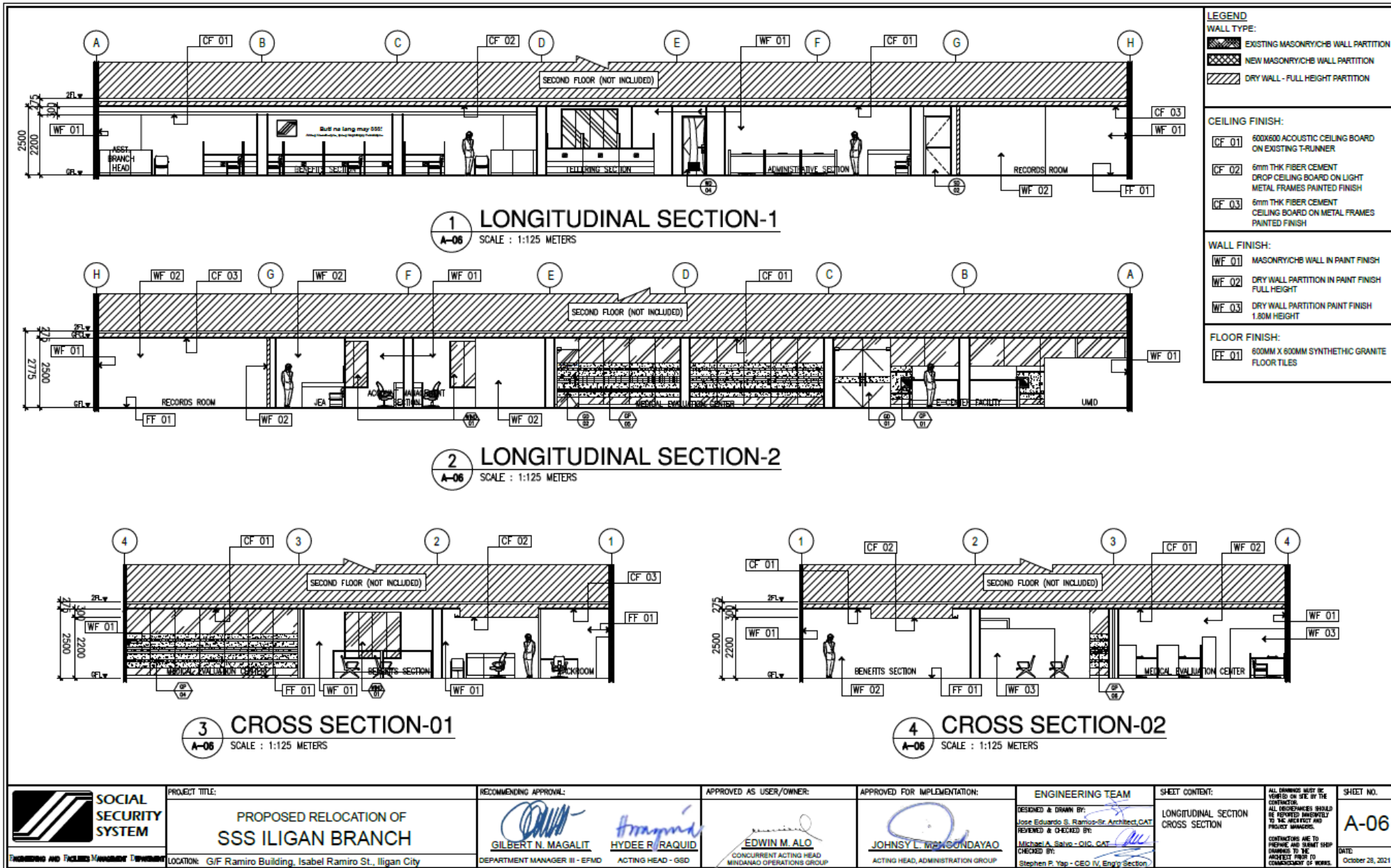
1 FURNITURE LAYOUT
A-04 SCALE : 1:125 METERS

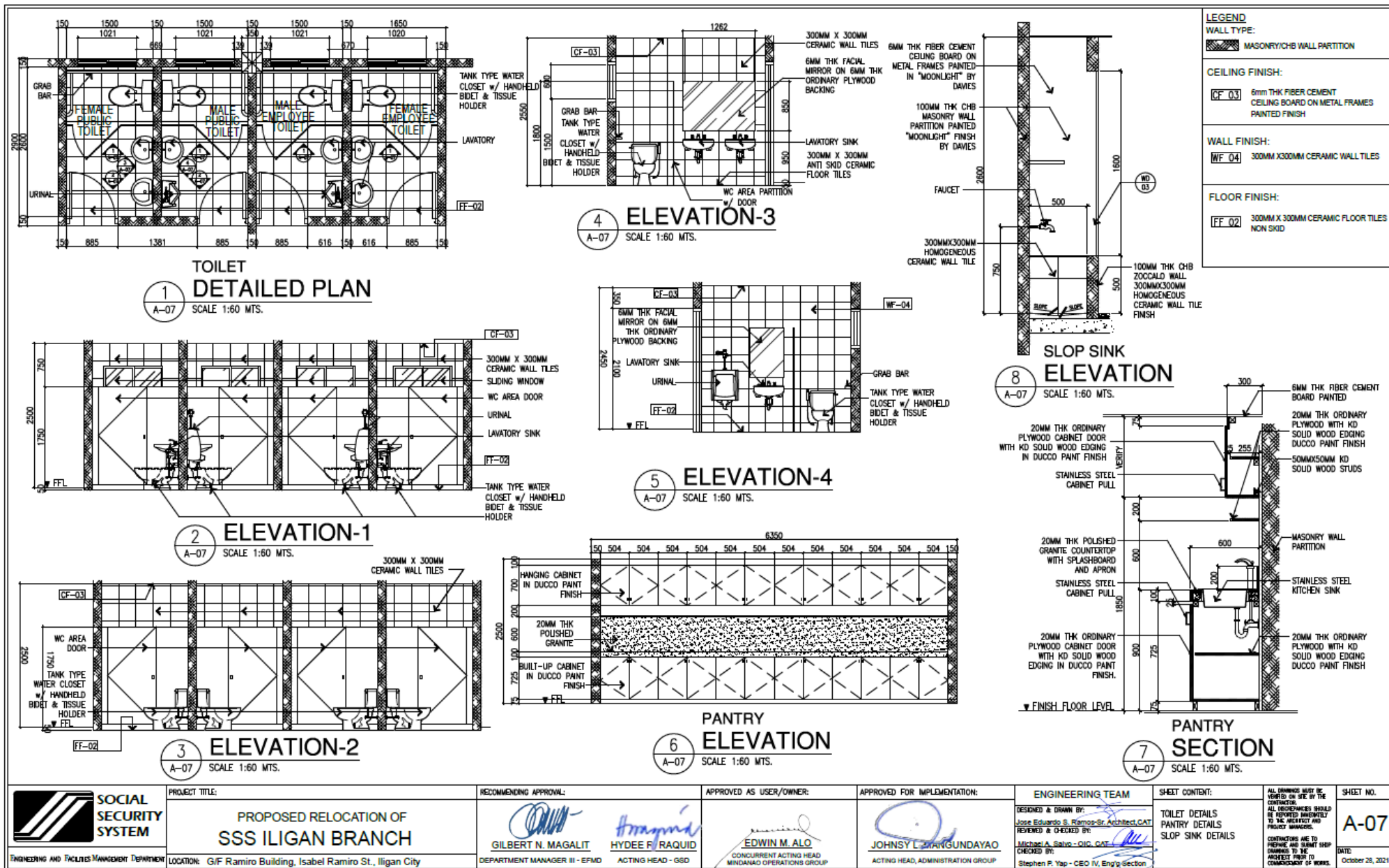
 SOCIAL SECURITY SYSTEM ENGINEERING AND FACILITIES MANAGEMENT DEPARTMENT	PROJECT TITLE: PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: GIF Ramiro Building, Isabel Ramiro St., Iligan City	RECOMMENDING APPROVAL:  GILBERT N. MAGALIT DEPARTMENT MANAGER III - EFMD  HYDEER P. RAQUID ACTING HEAD - GSO	APPROVED AS USER/OWNER:  EDWIN M. ALO CONCURRENT ACTING HEAD MINDANAO OPERATIONS GROUP	APPROVED FOR IMPLEMENTATION:  JOHNSY L. MANGUNDAYAO ACTING HEAD, ADMINISTRATION GROUP	ENGINEERING TEAM DESIGNED & DRAWN BY: Jose Eduardo S. Ramos-Sr. Architect, CAT REVIEWED & CHECKED BY: Michael A. Sano - DIO, CAT CHECKED BY: Stephen P. Yap - CEO IV, Engrg Section	SHEET CONTENT: FURNITURE LAYOUT ALL DRAWINGS MUST BE TOPPED BY THE PROJECT CONTRACTOR. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGER. CONTRACTORS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORKS.	SHEET NO. A-04 DATE: October 28, 2021
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1 REFLECTED CEILING PLAN
A-05 SCALE : 1:125 METERS

 SOCIAL SECURITY SYSTEM ENGINEERING AND FACILITIES MANAGEMENT DEPARTMENT	PROJECT TITLE: PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: G/F Ramiro Building, Isabel Ramiro St., Iligan City	RECOMMENDING APPROVAL:  GILBERT N. MAGALIT DEPARTMENT MANAGER III - EFMD  HYDEE F. RAQUID ACTING HEAD - GSD	APPROVED AS USER/OWNER:  EDWIN M. ALO CONCURRENT ACTING HEAD MINDANAO OPERATIONS GROUP	APPROVED FOR IMPLEMENTATION:  JOHNSY L. MANGUNDAYAO ACTING HEAD, ADMINISTRATION GROUP	ENGINEERING TEAM DESIGNED & DRAWN BY: Jose Eduardo S. Ramirez-Sr. Architect, CAT REVIEWED & CHECKED BY: Michael A. Salvo - OIC, CAT CHECKED BY: Stephen P. Yap - CEO IV, Eng'g Section	SHEET CONTENT: REFLECTED CEILING PLAN	ALL DRAWINGS MUST BE VERIFIED ON SITE BY THE CONTRACTOR. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGER. CONTRACTORS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORKS.	SHEET NO. A-05 DATE: October 28, 2021
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<div>WD 01</div> <div>DESIGNATION: WOOD DOOR 1</div> <div>DESCRIPTION: KD SOLID WOOD FLUSH HOLLOW CORE DOOR w/ 6MM THK FIXED CLEAR GLASS VISION PANEL, LEVER TYPE DOOR LOCK SET, IN DUCCO VARNISH "WALNUT" FINISH, WITH LOUVER COMPLETE w/ ACCESSORIES</div> <div>4 SET'S REQ'D</div> <div>LOCATION: PANTRY, STORAGE/RECORDS & SUPPLY RM.</div>	<div>WD 02</div> <div>DESIGNATION: WOOD DOOR 2</div> <div>DESCRIPTION: KD SOLID WOOD FLUSH HOLLOW CORE DOOR LEVER TYPE DOOR LOCKSET, IN DUCCO VARNISH "WALNUT" FINISH WITH LOUVER COMPLETE WITH ACCESSORIES</div> <div>4 SET'S REQ'D</div> <div>LOCATION: MALE & FEMALE TOILETS(PUBLIC & EE) /UTILITY ROOM</div>	<div>WD 03</div> <div>DESIGNATION: WOOD DOOR 3</div> <div>DESCRIPTION: LOUVERED WOOD DOOR w/ KD SOLID WOOD FRAMES, STAINLESS STEEL DOOR HANDLE COMPLETE w/ HARDWARES & ACCESSORIES</div> <div>1 SET REQ'D</div> <div>LOCATION: SLOP SINK</div>	<div>SD 01</div> <div>DESIGNATION: STEEL DOOR 1</div> <div>DESCRIPTION: FLUSH HOLLOW CORE STEEL DOOR, LEVER TYPE DOOR LOCKSET, WITH LOUVER, COMPLETE w/ ACCESSORIES IN EPOXY PAINT "GREY" FINISH</div> <div>1 SET REQ'D</div> <div>LOCATION: ELECT. & DATA CABINET RM</div>	<div>SD 02</div> <div>DESIGNATION: STEEL DOOR 2</div> <div>DESCRIPTION: FLUSH HOLLOW CORE STEEL DOOR w/ PANIC BAR DEVICE, COMPLETE w/ HARDWARES & ACCESSORIES</div> <div>1 SET REQ'D</div> <div>LOCATION: FIRE EXIT</div>	<div>SD 03</div> <div>DESIGNATION: STEEL DOOR 3</div> <div>DESCRIPTION: FLUSH HOLLOW CORE STEEL DOOR, LEVER TYPE DOOR LOCKSET, WITH LOUVER, COMPLETE w/ ACCESSORIES IN EPOXY PAINT "GREY" FINISH (FIRE RATED)</div> <div>1 SET REQ'D</div> <div>LOCATION: VAULT ROOM</div>
<div>SD 04</div> <div>DESIGNATION: STEEL DOOR 4</div> <div>DESCRIPTION: STAINLESS STEEL ROLL-UP SECURITY GRILLS w/ 3/8" SOLID HOR. RODS SPACED @ 2 1/2" O.C., 3/4" VERTICAL LINKS SPACED @ 9" O.C. COMPLETE w/ LOCKSET, HARDWARES & ACCESSORIES</div> <div>1 SET REQ'D</div> <div>LOCATION: INFO KIOSK</div>	<div>PVC 01</div> <div>DESIGNATION: PVC FOLDED DOOR 1</div> <div>DESCRIPTION: 150mm x 15mm THK. PVC LAMINATES NYLEX FINISH, SINGLE DRAWN OPENING, EXTRUDED VINYL HINGES, HEAVY DUTY ALUMINUM RAILTRACKS TOUNGE & GROOVE JAMB POST RECEPTACLES w/ SELF LOCKING FLEXIBLE VINYL SEALS</div> <div>1 SET REQ'D</div> <div>LOCATION: OFFICE OF THE BRANCH HEAD</div>	<div>PVC 02</div> <div>DESIGNATION: PVC FOLDED DOOR 2</div> <div>DESCRIPTION: 150mm x 15mm THK. PVC LAMINATES NYLEX FINISH, SINGLE DRAWN OPENING, EXTRUDED VINYL HINGES, HEAVY DUTY ALUMINUM RAILTRACKS TOUNGE & GROOVE JAMB POST RECEPTACLES w/ SELF LOCKING FLEXIBLE VINYL SEALS</div> <div>2 SET'S REQ'D</div> <div>LOCATION: BREASTFEEDING RM & MEC</div>	<div>WIND 01</div> <div>DESIGNATION: SLIDING WINDOW-1</div> <div>DESCRIPTION: 6MM THK CLEAR GLASS SLIDING WINDOW ANALOG FRAMING, COMPLETE WITH WINDOW ACCESSORIES WITH IRON GRILLS PLACED INSIDE</div> <div>13 SET'S REQ'D</div> <div>LOCATION: BUILDING PERIMETER</div>	<div>WIND 02</div> <div>DESIGNATION: SLIDING WINDOW-2</div> <div>DESCRIPTION: 6MM THK CLEAR GLASS SLIDING WINDOW ANALOG FRAMING, FIXED GLASS AT CENTER, COMPLETE w/ WINDOW ACCESSORIES WITH IRON GRILLS PLACED INSIDE</div> <div>2 SET'S REQ'D</div> <div>LOCATION: BUILDING PERIMETER</div>	<div>WIND 03</div> <div>DESIGNATION: SLIDING WINDOW-3</div> <div>DESCRIPTION: 6MM THK CLEAR GLASS SLIDING WINDOW ANALOG FRAMING, COMPLETE WITH WINDOW ACCESSORIES WITH IRON GRILLS PLACED INSIDE</div> <div>5 SET'S REQ'D</div> <div>LOCATION: BUILDING PERIMETER</div>

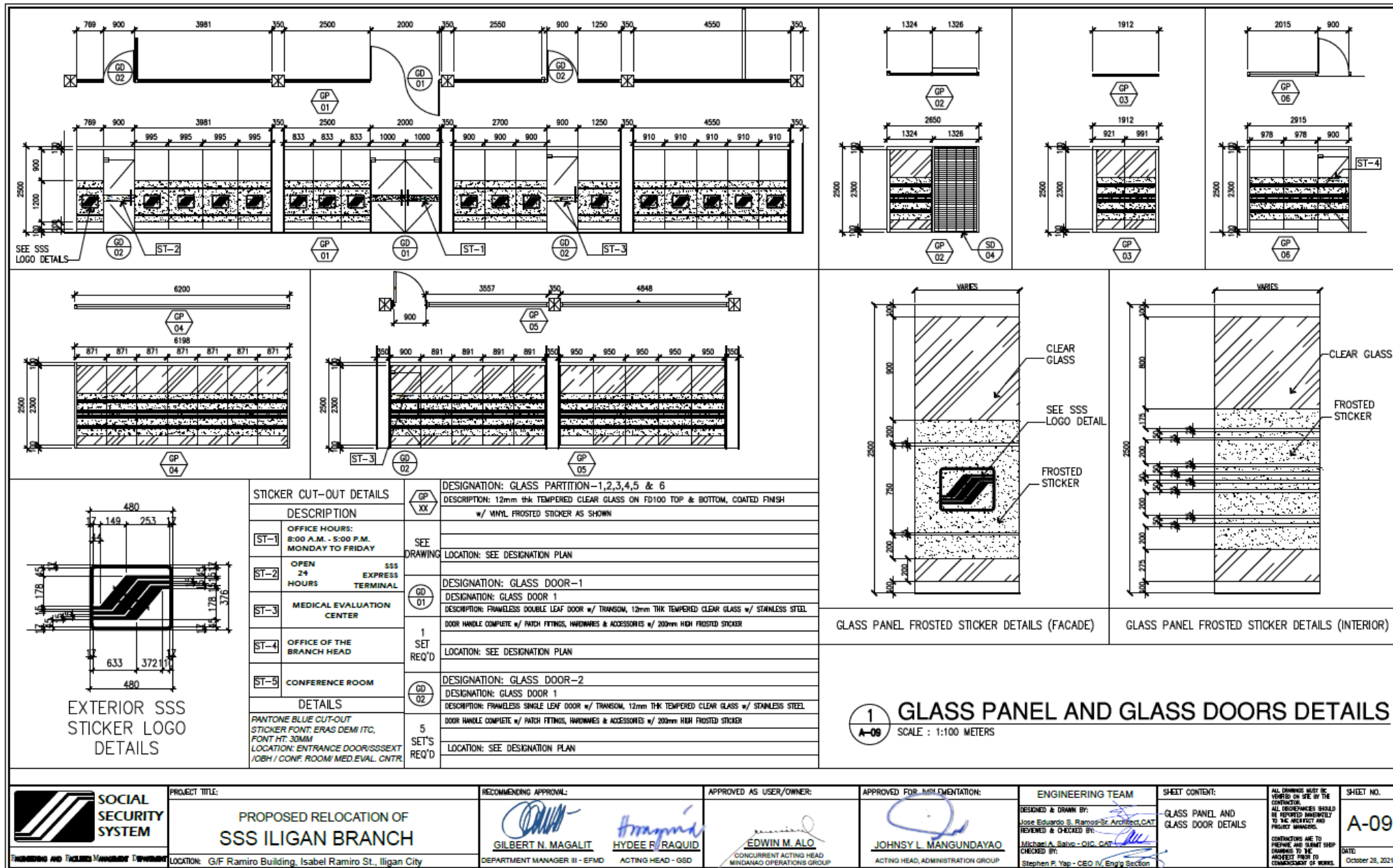
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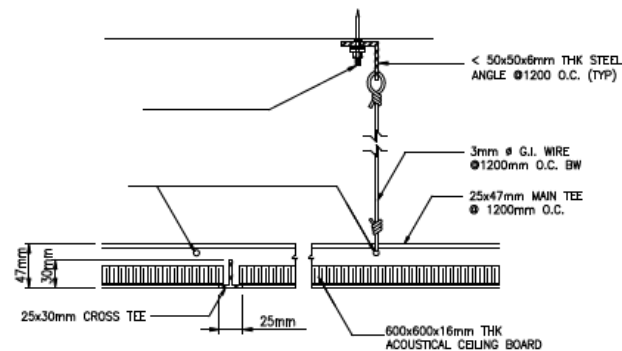
A-08

SCHEDULE OF DOORS & WINDOWS

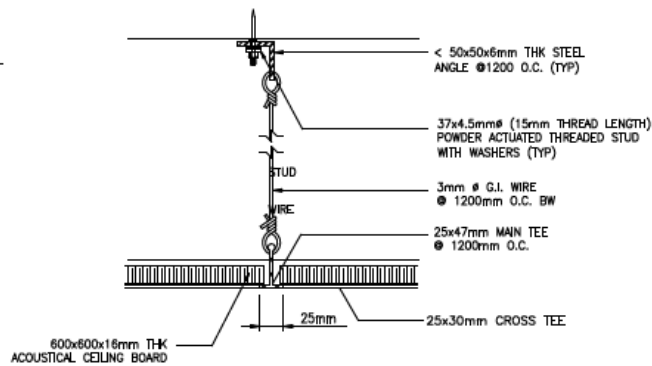
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	PROJECT TITLE: PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: G/F Ramiro Building, Isabel Ramiro St., Iligan City	RECOMMENDING APPROVAL: GILBERT N. MAGALIT DEPARTMENT MANAGER III - EFMD HYDEER R. RAQUID ACTING HEAD - GSD	APPROVED AS USER/OWNER: EDWIN M. ALO CONCURRENT ACTING HEAD MINDAGAO OPERATIONS GROUP	APPROVED FOR IMPLEMENTATION: JOHNSY L. MANGUNDAYAO ACTING HEAD, ADMINISTRATION GROUP	ENGINEERING TEAM DESIGNED & DRAWN BY: Jose Eduardo S. Ramos-Sr. Architect, CAT REVIEWED & CHECKED BY: Michael A. Salvo - OIC, CAT CHECKED BY: Stephen P. Yap - CEO IV, Engrg Section	SHEET CONTENT: SCHEDULE OF DOORS AND WINDOWS	ALL DRAWINGS MUST BE VERIFIED ON SITE BY THE CONTRACTOR. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGER. CONTRACTORS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORKS. SHEET NO. A-08 DATE: October 28, 2021
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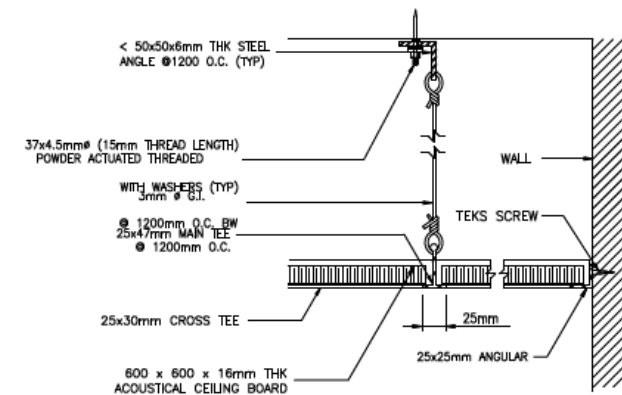




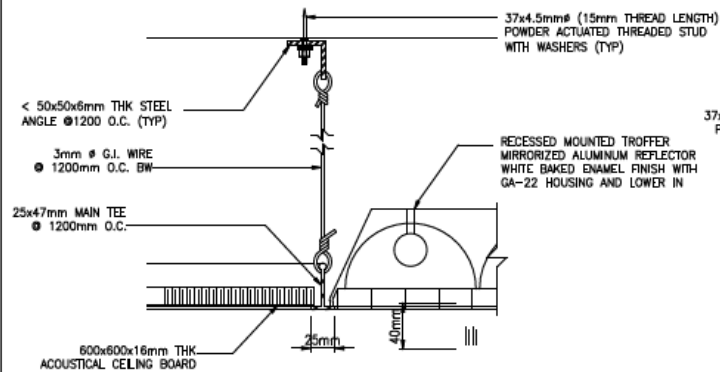
AT CROSS TEE



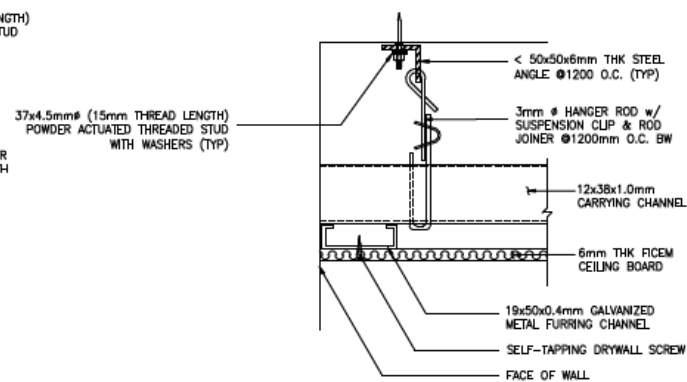
AT MAIN TEE



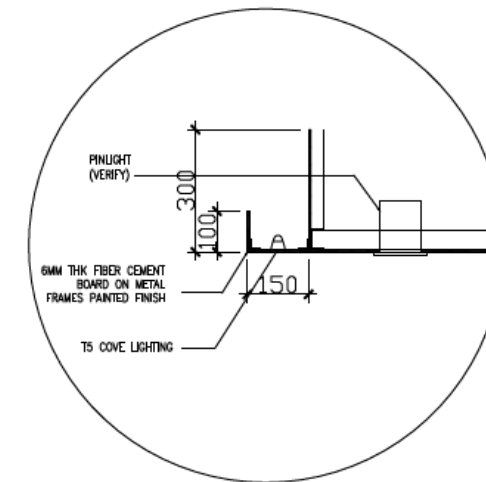
AT WALL



AT FICEM BOARD TO LIGHT FIXTURES



AT FICEM BOARD CEILING



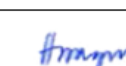
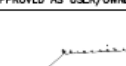

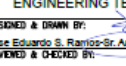
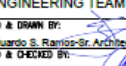
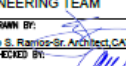


DETAIL
COVE CEILING

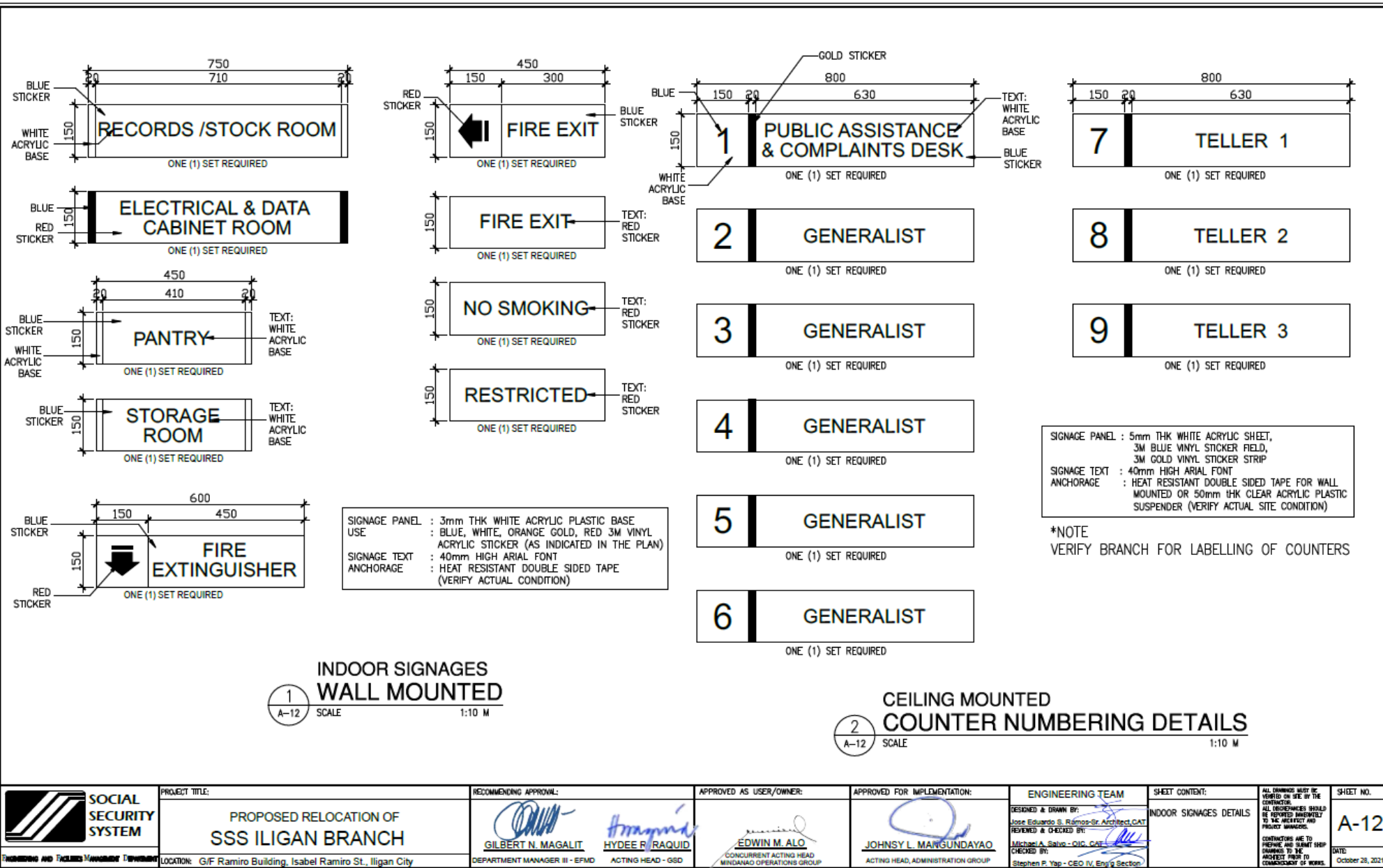
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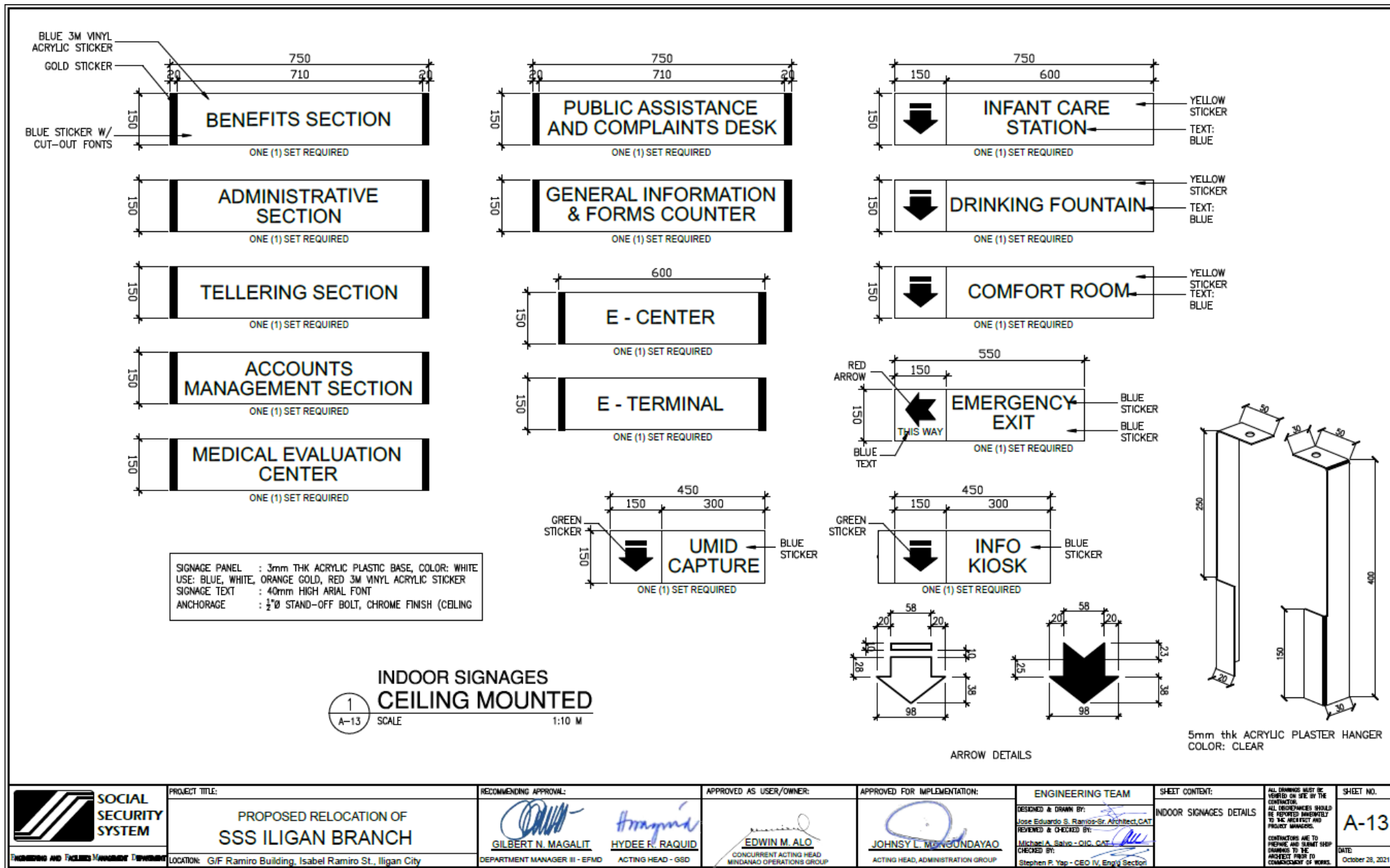
TYPICAL CEILING ANCHOR
BLOW-UP DETAILS

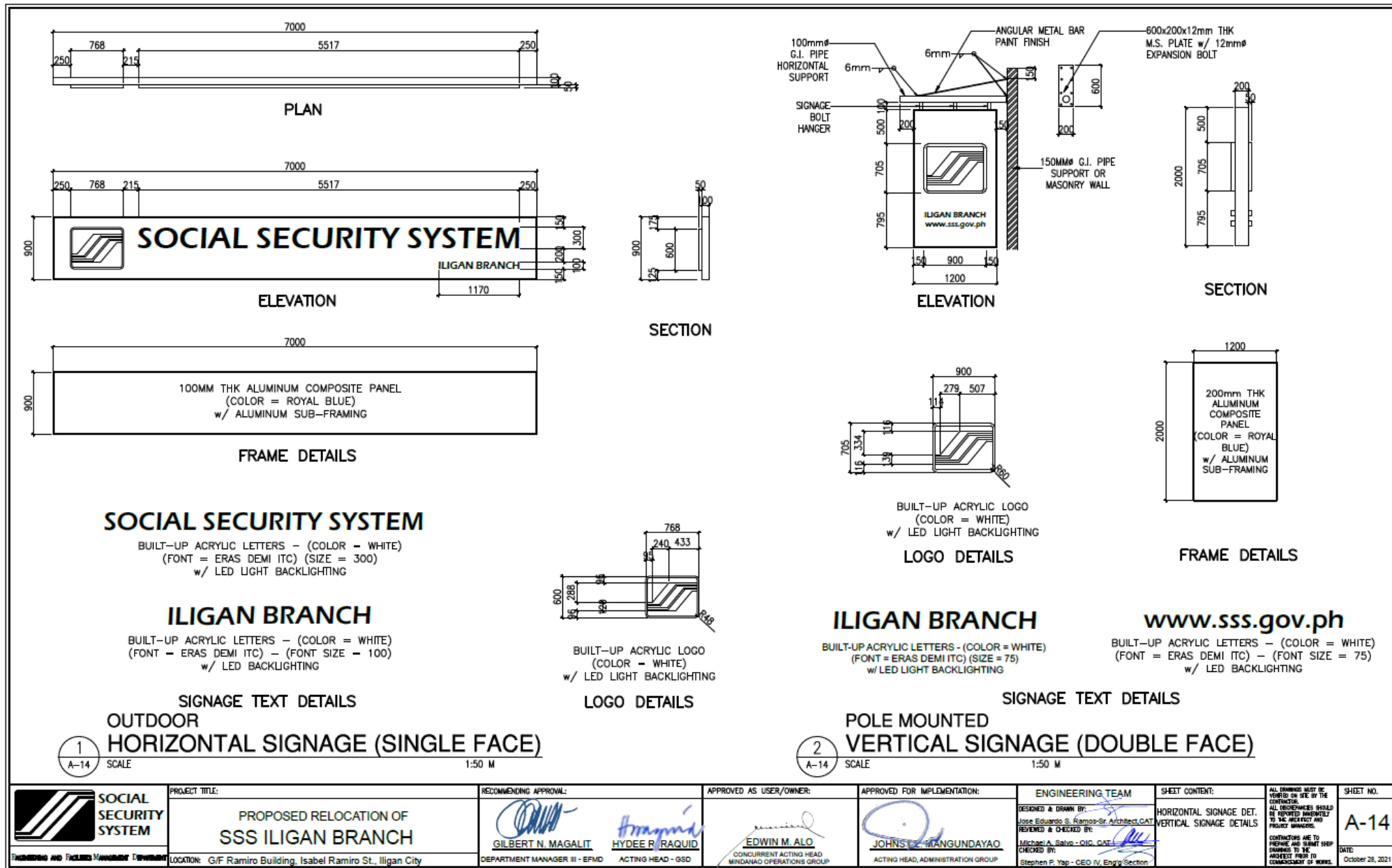
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A-10
SCALE 1:10 MTS.

 <p>SOCIAL SECURITY SYSTEM</p> <p>ENGINEERING AND FACILITIES MANAGEMENT DEPARTMENT</p>	<p>PROJECT TITLE:</p> <p>PROPOSED RELOCATION OF SSS ILIGAN BRANCH</p> <p>LOCATION: G/F Ramiro Building, Isabel Ramiro St., Iligan City</p>	<p>RECOMMENDING APPROVAL:</p> <p> GILBERT N. MAGALIT DEPARTMENT MANAGER III - EPMO</p> <p> HYDEER/RAQUID ACTING HEAD - GSD</p>	<p>APPROVED AS USER/OWNER:</p> <p> EDWIN M. ALO CONCURRENT ACTING HEAD MINDANAO OPERATIONS GROUP</p>	<p>APPROVED FOR IMPLEMENTATION:</p> <p> JOHNSY L. MANGUNDAYAO ACTING HEAD, ADMINISTRATION GROUP</p>	<p>ENGINEERING TEAM</p> <p>DESIGNED & DRAWN BY:  JOSE EDUARDO S. RAMOS-Sr. Architect, CAT</p> <p>REVIEWED & CHECKED BY:  MICHAEL A. SALVO - CIVIL CAT</p> <p>CHECKED BY:  STEPHEN P. YAP - CEO IV, Eng'g Section</p>	<p>SHEET CONTENT:</p> <p>TYPICAL CEILING ANCHOR BLOW-UP DETAILS COVE LIGHTING DET.</p>	<p>ALL DRAWINGS MUST BE VERIFIED ON SITE BY THE CONTRACTOR. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGER. CONTRACTORS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO BE APPROVED PRIOR TO COMMENCEMENT OF WORKS.</p>	<p>SHEET NO.</p> <p>A-10</p> <p>DATE: October 28, 2021</p>
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GENERAL NOTES

- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), LAWS AND ORDINANCES OF THE LOCAL CODE ENFORCING AUTHORITIES AND REQUIREMENT OF THE LOCAL POWER AND TELEPHONE COMPANY.
- SERVICE POWER SHALL BE 230 VOLTS, 3Ø, 4 WIRES, 60HZ.
- SMALLEST BRANCH CIRCUIT WIRE SHALL BE 3.5 MM² THHN FOR POWER AND LIGHTING AND SHALL BE INSULATED FOR 600 VOLTS.
- WHENEVER NECESSARY PROVIDE PULL BOX OF PROPER SIZE AND DIMENSION ALTHOUGH NOT INDICATED IN THE PLAN.
- ALL BRANCH CIRCUIT SHALL BE INSTALLED AS INDICATED IN THE PLAN, INDIVIDUAL BRANCH CIRCUIT HOMERUNS SHALL NOT BE COMBINED IN THE SAME CONDUIT.
- ALL SWITCHES, PANELBOARDS, LIGHTING FIXTURES AND ALL NON-CURRENT CARRYING METAL PARTS SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE LATEST EDITION OF THE PEC.
- ROUGHING-IN CONDUITS SHALL BE OF APPROVED TYPE AND APPLICATION, RSC EXPOSED, IMC AND PVC FOR LATERAL AND EMBEDDED LAYOUT.
- THE ELECTRICAL CONTRACTOR IS REQUIRED TO VISIT AND SURVEY THE SITE TO ASCERTAIN THE LOCAL CONDITION THAT MAY AFFECT THE IMPLEMENTATION OF THE PROJECT.
- ALL AREA AFFECTED BY THE CHIPPING/REMOVAL WORKS SHALL BE PATCHED OR RESTORED TO ITS ORIGINAL AESTHETIC CONDITION.
- MOUNTING HEIGHTS SHALL BE AS FOLLOWS:

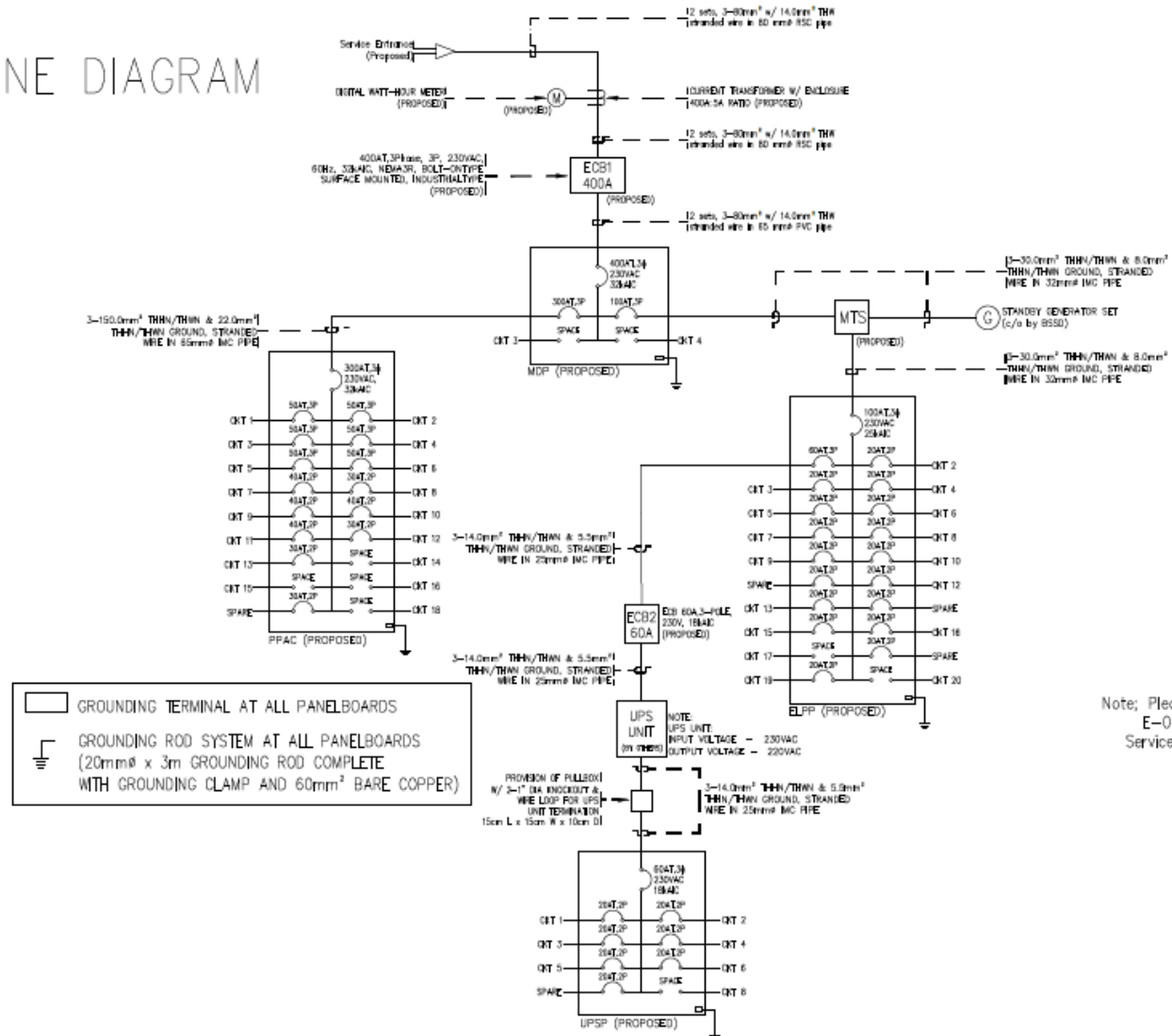
SWITCHES	---	1.40 m ABOVE FINISHED FLOOR
CONVENIENCE OUTLETS	---	0.30 m ABOVE FINISHED FLOOR
PANELBOARD	---	1.40 m ABOVE FINISHED FLOOR
COUNTERTOP	---	0.15 m ABOVE COUNTERTOP
- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE UNDER THE SUPERVISION OF DULY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.

SYMBOLS & LEGEND:






- DUPLEX CONVENIENCE OUTLET, 2 PRONG, PARALLEL SLOT WITH GROUND, 15A, 2P, 230V BY NORMAL POWER IN FLUSH MOUNTED TYPE WITH BEIGE PLATE COVER
- DUPLEX CONVENIENCE OUTLET, 3 PRONG, PARALLEL SLOT WITH GROUND, 15A, 2P, 230V BY UPS POWER IN FLUSH MOUNTED TYPE WITH OFF-WHITE PLATE COVER
- POP-UP DUPLEX CONVENIENCE OUTLET, 3 PRONG, PARALLEL SLOT WITH GROUND, 15A, 2P 230V BY UPS POWER IN FLUSH MOUNTED TYPE WITH OFF-WHITE PLATE COVER
- POP-UP DUPLEX CONVENIENCE OUTLET, 2 PRONG, PARALLEL SLOT WITH GROUND, 15A, 2P 230V BY NORMAL POWER IN FLUSH MOUNTED TYPE WITH BEIGE PLATE COVER
- BOX TYPE COVE LIGHTING, 1X18WATTS, T5 LED TUBE, 1800 LUMENS WITH BUILT-IN DRIVER, BI PIN TERMINAL, 200-250VAC, 60HZ., 40,000 BURNING HOURS, COOL DAYLIGHT, 300 DEG. BEAM ANGLE WITH ESSENTIAL WIRINGS.
- RECESSED LIGHTING FIXTURES, T8, 2X18WATTS LED, 1620 LUMENS WITH BUILT-IN DRIVER, BI PIN TERMINAL, 200-250VAC, 60HZ., 140° BEAM ANGLE, HOURS, 50,000 HOURS LIFETIME, (600x1200)MM WITH ALUMINUM LARGE CELL PARABOLIC LOUVER TYPE, ANODIZED REFLECTOR, COOL DAYLIGHT COMPLETE WITH ESSENTIAL WIRING SYSTEM.
- RECESSED LIGHTING FIXTURES, T8, 1X18WATTS LED, 1620 LUMENS WITH BUILT-IN DRIVER, BI PIN TERMINAL, 200-250VAC, 60HZ., 140° BEAM ANGLE, 50,000 HOURS LIFETIME, (200x1200)MM WITH ALUMINUM LARGE CELL PARABOLIC LOUVER TYPE, ANODIZED REFLECTOR, COOL DAYLIGHT COMPLETE WITH ESSENTIAL WIRING SYSTEM.
- DOWN LIGHT, RECESSED TYPE SPUN ALUMINUM WITH 12WATTS LED LAMP, .6" DIA., CLEAR GLASS COVER WITH WHITE MOUNTING RING COMPLETE WITH STANDARD ACCESSORIES AND ESSENTIAL WIRINGS.
- 2-3 WATTS (MINIMUM) LED, 230V, DIRECTIONAL EXIT LIGHT WITH C.O.
- 2-3 WATTS (MINIMUM) LED, 230V, FIRE EXIT LIGHT WITH C.O.
- 2 X 3WATTS (MINIMUM) LED EMERGENCY LIGHT, 230V, 4AH MIN., WITH SEALED LITHIUM-ION BATTERY AND C.O.
- 55 WATTS (minimum) EXHAUST FAN CEILING MOUNTED WITH C.O AND MALE PLUG (EXISTING)
- 55 WATTS (minimum) TRANSFER FAN WALL MOUNTED WITH C.O AND MALE PLUG (EXISTING)
- DISTRIBUTION PANEL
- S_x ONE GANG SWITCH, SINGLE POLE 15A, 250V FLUSH TYPE (NATIONAL/PANASONIC BRAND OR APPROVED EQUIVALENT)
- S_{xx} TWO GANG SWITCH, SINGLE POLE 15A, 250V FLUSH TYPE (NATIONAL/PANASONIC BRAND OR APPROVED EQUIVALENT)
- S_{xxx} THREE GANG SWITCH, SINGLE POLE 15A, 250V FLUSH TYPE (NATIONAL/PANASONIC BRAND OR APPROVED EQUIVALENT)
- CIRCUIT DESIGNATION
- BRANCH CIRCUIT HOMERUN
- SPECIALIZED OUTLET

SOCIAL SECURITY SYSTEM ENGINEERING AND FACILITIES MANAGEMENT DEPARTMENT	PROJECT TITLE	RECOMMENDING APPROVAL	APPROVED AS USER/OWNER	APPROVED FOR IMPLEMENTATION	ENGINEERING TEAM	SHEET CONTENT	ALL DRAWINGS MUST BE SIGNED BY THE ENGINEER OR ARCHITECT. ALL REVISIONS SHOULD BE SIGNED AND DATED BY THE ARCHITECT AND PROJECT MANAGER. CONTRACTORS ARE TO PROVIDE AND SUBMIT REPAIRS TO THE ARCHITECT FROM THE COMPLETION OF WORK.	SHEET NO.
	PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: RAMIRO BUILDING, RAVAL ST., ILIGAN CITY	GILBERT N. MAGALIT DEPARTMENT HEAD - EFMD	HYDEE R. RAQUID ACTING HEAD - OSD	EDWIN M. ALO ACTING HEAD, MINIDANAQ OPERATIONS GROUP	JOHNSY L. MANGUNDAYAO VP, ACTING HEAD, ADMINISTRATION GROUP	REVIEWED & DRAWN BY: <i>[Signature]</i> P.P.F.E. Mesalado Jr. Engineer REVIEWED BY: <i>[Signature]</i> George N. Carreon - SSO V, EFMD CHECKED BY: <i>[Signature]</i> Stephen P. Yap - CEO IV, EFMD	GENERAL NOTES LEGEND AND SYMBOLS	E-01 DATE: December 18, 2021

SINGLE LINE DIAGRAM



Note; Please see the details E-03 & E-04 for Aerial wiring layout of Service Entrance Feeder line to bldg.

 SOCIAL SECURITY SYSTEM	PROJECT TITLE:	RECOMMENDING APPROVAL:		APPROVED AS USER/OWNER:	APPROVED FOR IMPLEMENTATION:	ENGINEERING TEAM	SHEET CONTENT:	ALL ISSUANCES MUST BE FORWARDED TO THE CONTRACTOR. ALL REVISIONS SHOULD BE RECOMMENDED TO THE ARCHITECT AND PROJECT MANAGER.	SHEET NO.:
	PROPOSED RELOCATION OF SSS ILIGAN BRANCH	 GILBERT N. MAGALIT DEPARTMENT HEAD - EPMD	 HYDEE R. RAQUID ACTING HEAD - GSD	 EDWIN M. ALO ACTING HEAD, MINDANAO OPERATIONS GROUP	 JOHNSY L. MANGUNDAYAO VP, ACTING HEAD, ADMINISTRATION GROUP	DESIGNED & DRAWN BY: F.F.FIE/Macedo-Sr. Engineer CHECKED BY: George N. Carlson - SSO V, EPMD PREPARED BY: Stephen P. Yap - CEO IV, EPMD			
ENGINEERING AND FACILITIES MANAGEMENT DIVISION	LOCATION: RAMIRO BUILDING, RAVAL ST., ILIGAN CITY							CONTRACTORS ARE TO INQUIRE AND ASK FOR THE SERVICES TO THE ARCHITECT WITH 7 WORKING DAYS PRIOR TO COMMENCEMENT OF WORK.	DATE December 16, 2022

[Signature]

LOAD SCHEDULE

MAIN DISTRIBUTION PANEL : 400AT MAIN, 230VAC, 3PHASE, 3POLE, 32KAIC, 60Hz (PROPOSED)

CIRCUIT NO.	BRANCH CIRCUIT				LOAD DESCRIPTION	NO. OF OUTLETS	VOLT AMPERE	AMPERE			SIZE OF WIRES AND CONDUITS
	AT	POLE	KAIC	VOLT				AB	CA	BC	
1	300	3	32	230	PPAC		63,120	133.27	135.88	133.27	3-150.0mm ² THHN/THWN WIRE & 1-22.0mm ² GROUND IN 65mm ² IMC
2	100	3	32	230	ELPP		36,378	54.23	52.18	51.76	3-30.0mm ² THHN/THWN WIRE & 1-8.0mm ² GROUND IN 32mm ² IMC
3	-	-	-	-	SPACE						-
4	-	-	-	-	SPACE						-
MAIN	400	3	32	230		TOTAL :	99,498	187.73	188.06	185.02	2-sets, 3-80.0mm ² THW WIRE & 1-14.0mm ² GROUND IN 50mm ² RSC

COMPUTATION:

I_L = (1.732) (188.06/8000 F) = 260.58 Amps

SIZE OF MAIN DISCONNECT, WIRES AND CONDUIT:

I_L = 260.58 X 1.25 = 325.72 Amps

USE : 2 sets, 3-80mm² THW WIRE AND 14.0mm² GROUND IN 50mm² RSC
400AT, 3PHASE, 230VAC, 32KAIC, 60Hz

EMERGENCY LIGHTING POWER PANEL (ELPP) : 100AT MAIN, 230VAC, 3PHASE, 3POLE, 25KAIC, 60Hz (PROPOSED)

CIRCUIT NO.	BRANCH CIRCUIT				LOAD DESCRIPTION	NUMBER OF SWITCHES				NO. OF OUTLETS	VOLT AMPERE	AMPERE			SIZE OF WIRES AND CONDUITS
	AT	POLE	KAIC	VOLT		S ₁	S ₂	S ₃	S _{3W}			AB	CA	BC	
1	60	3	18	230	UPSOP						14,500	23.91	19.57	19.57	3-14.0mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ² IMC
2	-	-	-	230	SPACE										SPACE
3	20	2	10	230	SCANNING/MSS BACKROOM/MST-6/ASST BRANCH HEAD/MSS HEAD			1			1,086	4.72			2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
4	20	2	10	230	LOBBY/GUARD/E-TERMINALS/SSS/IT/UMD Capture/MAIN ENTRANCE			1			789	3.43			2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
5	20	2	10	230	PANTRY/SUPPLY RM/RECORDS RM/BRANCH HEAD'S OFFICE/CONF/ RM	3	2				602		2.62		2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
6	20	2	10	230	MSS BACKDROP	1					500		2.17		2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
7	20	2	10	230	MEDICAL/PE ROOM/AUS/EA/AUS HEAD	1	1				904			3.93	2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
8	20	2	10	230	TELLER-3/BREASTFEEDING/ADMIN SECTION/EE ROOM/UTILITY RM/PANTRY/SUPPLY RM					15	2,700			11.74	2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
9	20	2	10	230	TELLERSECTION/UTILITYRM/ADMINSECTION/BEROOM/MWF PUBLIC TOILET/BREASTFEEDING	8	2	1			977	4.25			2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
10	20	2	10	230	AIR CURTAIN					2	1,000	4.35			2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
11	20	2	10	230	PE RM/AUS/EA/AUS HEAD/CLERK/CONFIRM/BRANCH HEAD'S OFFICE/RECORDS RM					15	2,700		11.74		2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
12	20	2	10	230	SPACE						1,000		4.35		SPACE
13	20	2	10	230	HORIZONTAL / VERTICAL SERVICE					2	500			2.17	2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
14	20	2	10	230	FIRE DETECTION AND ALARM SYSTEM (FAS)						500			2.17	2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
15	20	2	10	230	SPACE						1,500	6.52			SPACE
16	20	2	10	230	E-TERMINALS/SSS/IT/UMD CAPTURE/FORMS WRITING COUNTER					9	1,620	7.04			2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
17	20	2	10	230	SCANNING/MSS BACKROOM/ASST BRANCH HEAD/MSS HEAD/TELLER HEAD					15	2,700		11.74		2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
18	-	-	-	230	SPACE						-				SPACE
19	20	2	10	230	SPACE						1,000			4.35	SPACE
20	20	2	10	230	MEDICAL/DOCTOR-2/PAC/GUARDSTATION/E-TERMINALS/					10	1,800			7.83	2-3.5mm ² THHN/THWN WIRE IN 20mm ² PVC
MAIN	100	3	25	230						TOTAL :	36,378	54.23	52.18	51.76	3-30.0mm ² THHN/THWN WIRE & 1-8.0mm ² GROUND IN 32mm ² IMC



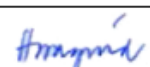
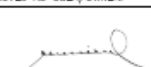

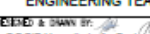


COMPUTATION:

I_L = (54.23 X 1.732) X 80% = 75.14A

SIZE OF MAIN DISCONNECT, WIRES AND CONDUIT:

I_L = 75.14(1.25) = 93.93A

USE : 3-30.0mm² THHN WIRE AND 8.0mm² GROUND IN 32mm² IMC
100AT, 3 PHASE, 230VAC, 25KAIC, 60Hz

 SOCIAL SECURITY SYSTEM Engineering and Planning Management Department	PROJECT TITLE PROPOSED RELOCATION OF SSS ILIGAN BRANCH	RECOMMENDING APPROVAL:  GILBERT N. MAGALIT DEPARTMENT HEAD - EPMD	APPROVED AS USER/OWNER:  HYDEE R. RAQUID ACTING HEAD - OSD	APPROVED FOR IMPLEMENTATION:  EDWIN M. ATO ACTING HEAD, MINDANAO OPERATIONS GROUP	APPROVED FOR IMPLEMENTATION:  JOHN T. MANSUNDAYAO VP, ACTING HEAD, ADMINISTRATION GROUP	ENGINEERING TEAM DESIGNED & DRAWN BY:  F.F. P. Mescalado - Sr. Engineer REVIEWED BY:  George N. Calmon - SSO V, EPMD CHECKED BY:  Stephen P. Yap - CEO IV, EPMD	SHEET CONTENT: LOAD SCHEDULE	ALL DRAWINGS WITH THE REVISIONS ON THE C. P. R. & E. T. P. R. ALL REVISIONS SHALL BE REVISIONS TO THE PROJECT AND PROJECT CONTRACTORS ARE TO PROVIDE AND SUBMIT DRAWINGS TO THE ARCHITECT/PROJECT CONSULTANT OF WORKS	SHEET NO. E-05 DATE December 16, 2021
	LOCATION: RAMIRO BUILDING, RAVAL ST., ILIGAN CITY								



LOAD SCHEDULE

PPAC : 300AT MAIN, 230VAC, 3PHASE, 3POLE, 32kAIC, 60Hz (PROPOSED)

CIRCUIT NO.	BRANCH CIRCUIT				LOAD DESCRIPTION	NO. OF OUTLETS	VOLT AMPERE	AMPERE				SIZE OF WIRES AND CONDUITS
	AT	POLE	kAIC	VOLT				AB	CA	BC	3φ	
1	50	3	18	230	E-TERMINALS/SEET		6,700	16.82	16.82	16.82		3-8.0mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
2	50	3	18	230	MAIN LOBBY, INFO COUNTER		6,700	16.82	16.82	16.82		3-8.0mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
3	50	3	18	230	MEDICAL EVALUATION CENTER		6,700	16.82	16.82	16.82		3-8.0mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
4	50	3	18	230	AMS		6,700	16.82	16.82	16.82		3-8.0mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
5	50	3	18	230	ID CAPTURE, MSS SEATING AREA		6,700	16.82	16.82	16.82		3-8.0mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
6	50	3	18	230	MSS SEATING AREA		6,700	16.82	16.82	16.82		3-8.0mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
7	40	2	18	230	TELLER SEATING AREA		4,020	17.48				2-5.5mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
8	30	2	18	230	CONFERENCE ROOM		2,070	9.00				2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
9	40	2	18	230	ADMIN SECTION		4,020		17.48			2-5.5mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
10	40	2	18	230	RENTS SECTION		4,020		17.48			2-5.5mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
11	40	2	18	230	MSS BACKROOM/ASH AREA		4,020			17.48		2-5.5mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 20mm ⁸ PVC
12	30	2	18	230	TELLER SECTION		2,070			9.00		2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
13	30	2	18	230	DBR		1,350	5.87				2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
14	-	-	-	-	SPACE		-	-				SPACE
15	-	-	-	-	SPACE		-	-				SPACE
16	-	-	-	-	SPACE		-	-				-
17	30	2	18	230	SPARE		1,350			5.87		SPACE
18	-	-	-	-	SPACE		-	-				SPACE
MAIN	300	3	32	230		TOTAL :	63,120	133.27	135.68	133.27		3-150.0mm ² THHN/THWN WIRE & 1-22.0mm ² GROUND IN 65mm ⁸ PVC

COMPUTATION:

$$I_L = [(1.732)(135.68 + (0.25)(17.48)) (\sqrt{3})] / 191.77A$$

SIZE OF MAIN DISCONNECT, WIRES AND CONDUIT:

$$I_L = (1.25)(191.77A) = 239.71 \text{ Amps}$$

USE : 3-150.0mm² THHN WIRE AND 22.0mm² GROUND IN 65mm⁸ PVC
300AT, 3 PHASE, 230VAC, 32kAIC, 60Hz

UPS PANEL: 60AT MAIN, 230VAC, 3PHASE, 3POLE 18kAIC, 60Hz (PROPOSED)

CIRCUIT NO.	BRANCH CIRCUIT				LOAD DESCRIPTION	NO. OF OUTLETS	VOLT AMPERE	AMPERE				SIZE OF WIRES AND CONDUITS
	AT	POLE	kAIC	VOLT				AB	CA	BC	3φ	
1	20	2	10	230	MSR 1-4/ASST. BRANCH HEAD/SCANNING/MSS BACKROOM	14	2,520	10.96				2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
2	20	2	10	230	AWO/MED&EVAL/G&FORMS COUNTER/PACG/BIOMETRICS/DOCTOR1-2	11	1,980	8.61				2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
3	20	2	10	230	ADMIN SECTION/EE RM./VAULT ROOM/TELLER 1-3/MSS HEAD/TELLER SECTION/MSS BACKROOM	14	2,520		10.96			2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
4	20	2	10	230	BRANCH HEAD'S OFFICE/CONF. ROOM/AMS HEAD/AMS CLERK/JEA/AWO	11	1,980		8.61			2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
5	20	2	10	230	E-TERMINALS1-15	15	2,700			11.74		2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
6	20	2	10	230	E-TERMINALS16-20/SSet/UMID CAPTURE	10	1,800			7.83		2-3.5mm ² THHN/THWN WIRE & 1-3.5mm ² GROUND IN 20mm ⁸ PVC
7	20	2	10	230	SPARE		1,000	4.35				SPACE
8	-	-	-	-	-		-	-				SPACE
MAIN	60	3	18	230		TOTAL :	14,500	23.91	19.57	19.57		3-14.0mm ² THHN/THWN WIRE & 1-5.5mm ² GROUND IN 25mm ⁸ PVC


COMPUTATION:

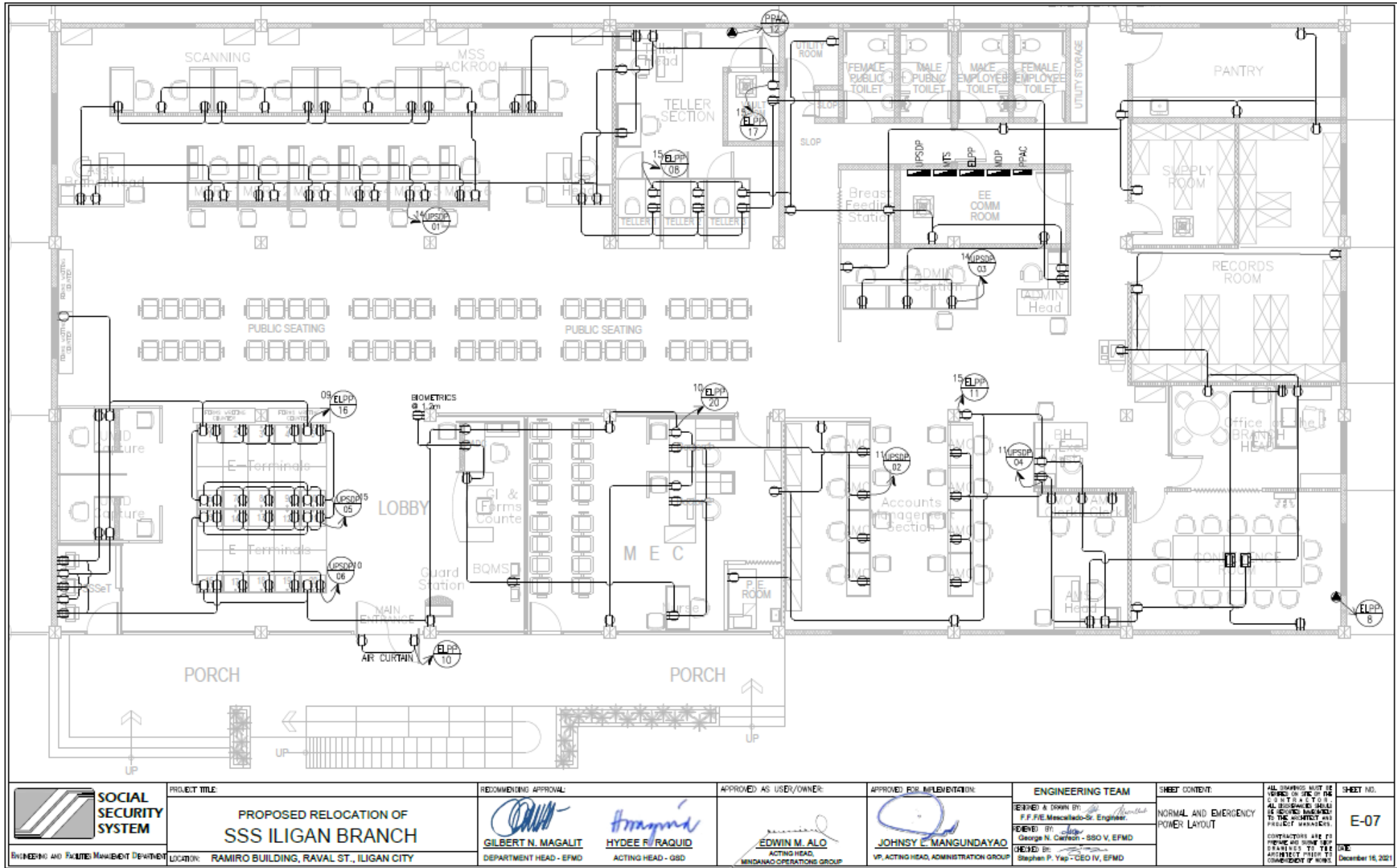
$$I_L = 1.732 \times 23.91 \times 90\% = 37.27 \text{ Amps}$$

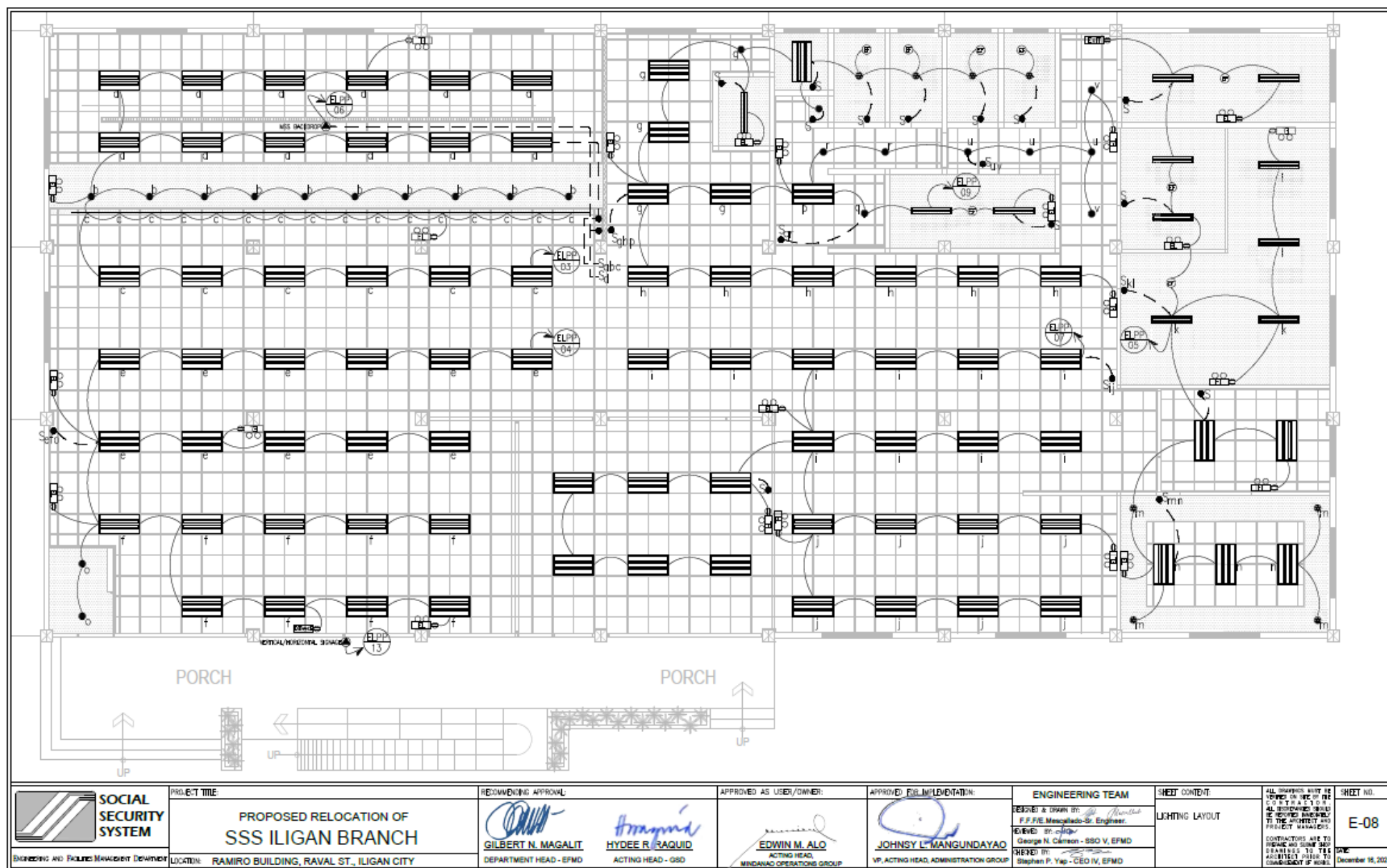
SIZE OF MAIN DISCONNECT, WIRES AND CONDUIT:

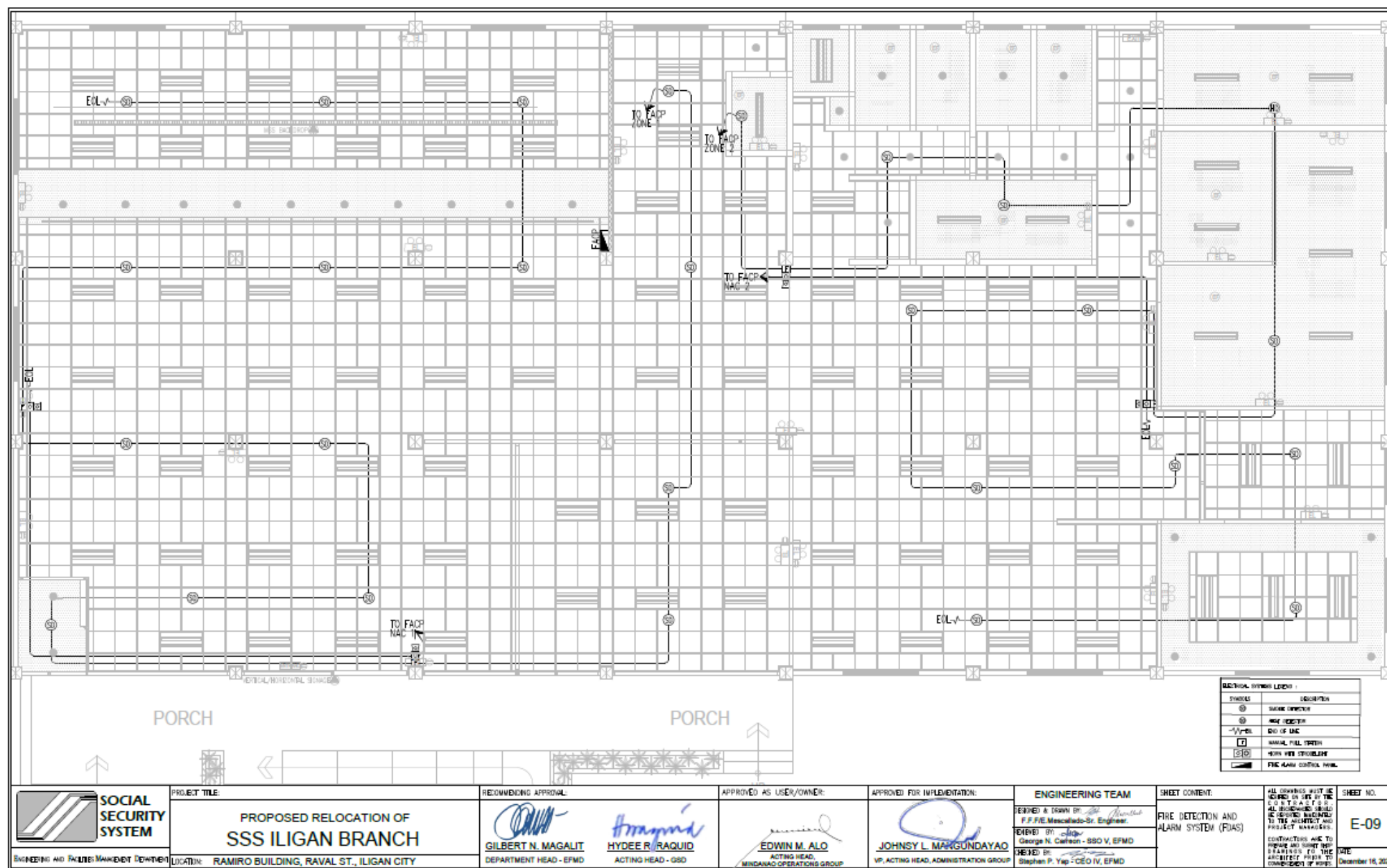
$$I_L = 1.25(37.27) = 46.59 \text{ A}$$

USE : 3-14.0mm² THHN WIRE AND 5.5mm² GROUND IN 25mm⁸ PVC
60AT, 3 PHASE, 230VAC, 18kAIC, 60Hz

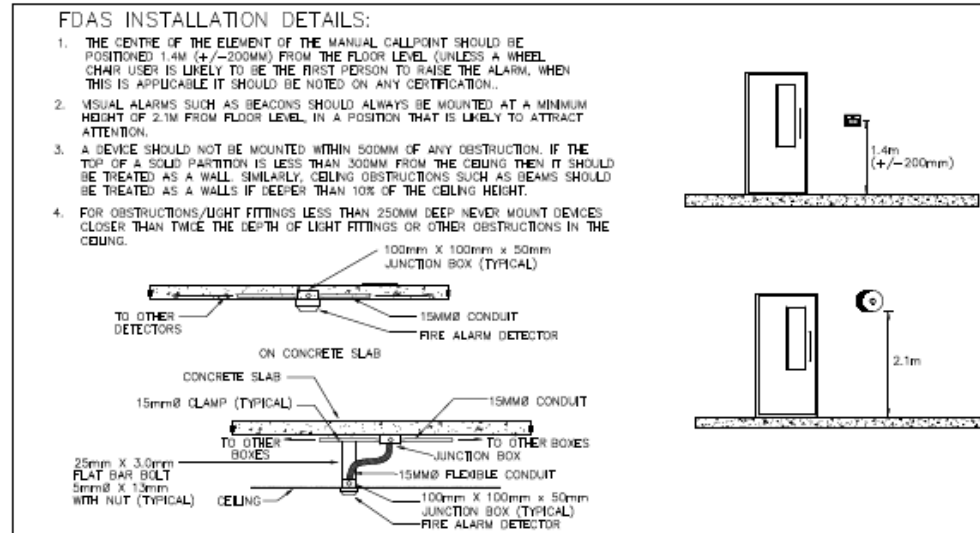
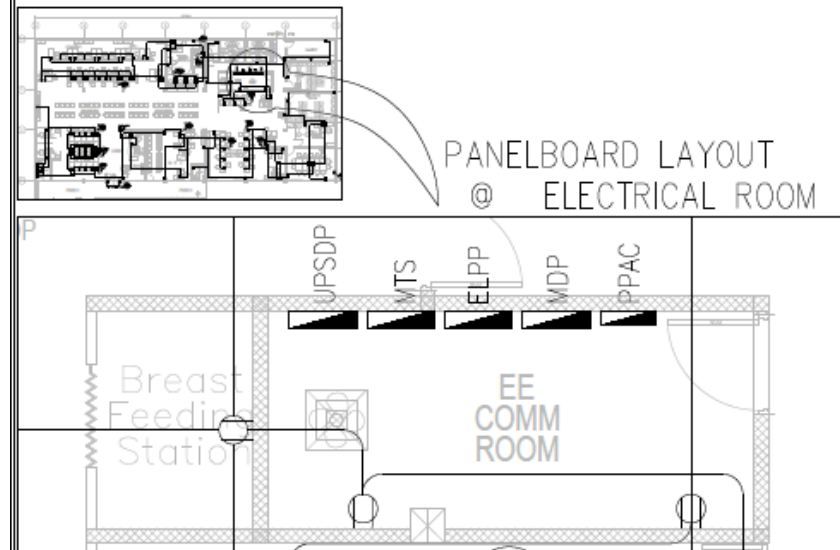
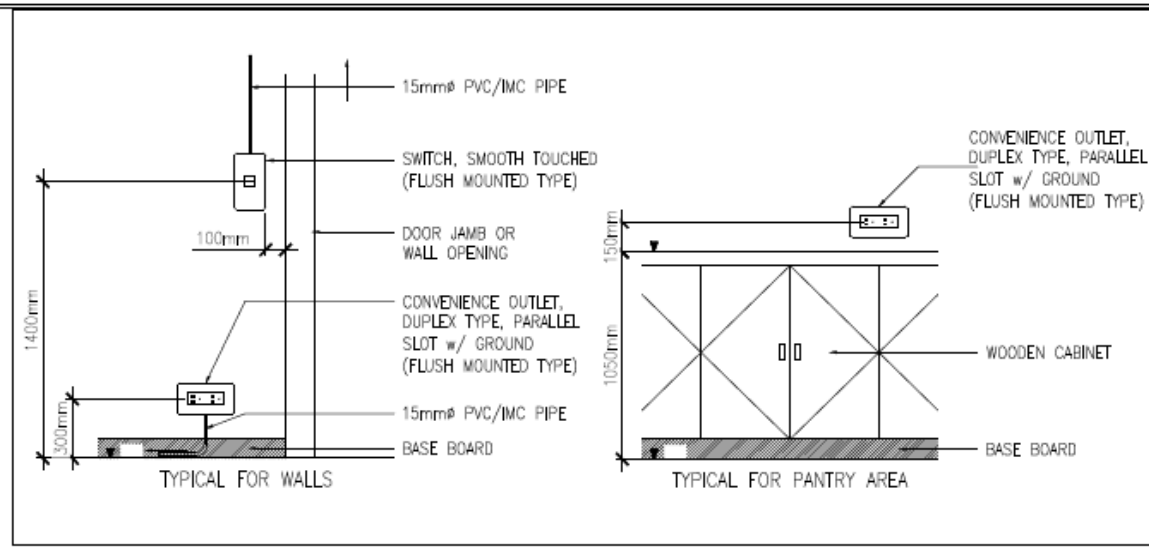
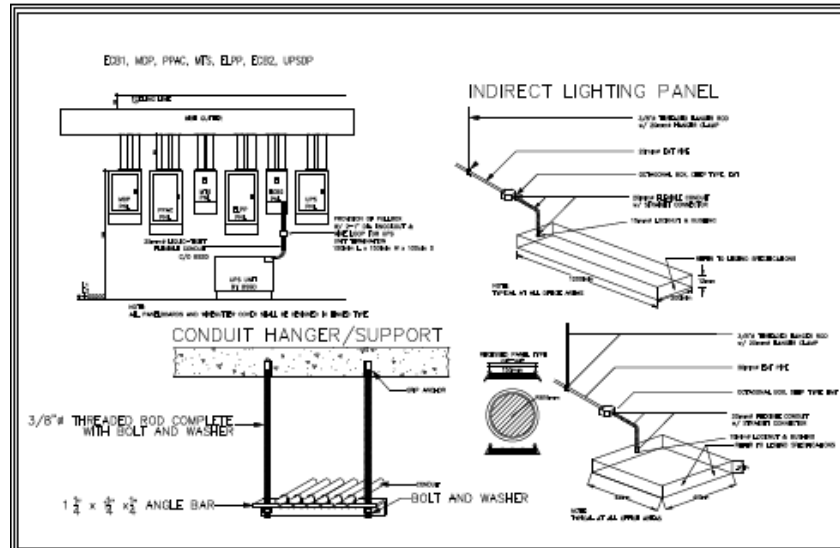
 SOCIAL SECURITY SYSTEM	PROJECT TITLE	RECOMMENDING APPROVAL	APPROVED AS USER/OWNER:	APPROVED FOR IMPLEMENTATION:	ENGINEERING TEAM	SHEET CONTENT:	ALL DRAWINGS MUST BE REVIEWED ON ONE OF THE FOLLOWING TOOLS: ALL DESIGNERS SHOULD BE REVIEWED IN ACCORDANCE TO THE HIGHEST AND MOST RECENT EDITIONS. CONTRACTORS ARE TO PROVIDE AND SUBMIT DURING DRAWING TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.	SHEET NO.
	PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: RAMIRO BUILDING, RAVAL ST., ILIGAN CITY	GILBERT N. MAGALIT DEPARTMENT HEAD - EFMD	HYDEE R. RAQUID ACTING HEAD - GSD	EDWIN M. ALO ACTING HEAD, MINDANAO OPERATIONS GROUP	JOHNSY L. MANGUNDAYAO VP, ACTING HEAD, ADMINISTRATION GROUP	ENGINEERING TEAM DESIGNED & DRAWN BY: <i>[Signature]</i> F.F.F. Mascardo Sr. Engineer CHECKED BY: <i>[Signature]</i> George N. Carmon - SSO V, EFMD SHOWN BY: <i>[Signature]</i> Stephen P. Yap - CEO IV, EFMD	LOAD SCHEDULE	E-06 DATE: December 16, 2021







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<p>SOCIAL SECURITY SYSTEM</p>	<p>PROJECT TITLE:</p> <p>PROPOSED RELOCATION OF SSS ILIGAN BRANCH</p>	<p>RECOMMENDING APPROVAL:</p> <p><i>[Signature]</i></p> <p>GILBERT N. MAGALIT</p> <p>DEPARTMENT HEAD - EFMD</p>	<p>APPROVED AS USER/OWNER:</p> <p><i>[Signature]</i></p> <p>EDWIN M. ALO</p> <p>ACTING HEAD, MINDANAO OPERATIONS GROUP</p>	<p>APPROVED FOR FIELD/INSTALLATION:</p> <p><i>[Signature]</i></p> <p>JOHNSY L. MANGUNDAYAO</p> <p>VP, ACTING HEAD, ADMINISTRATION GROUP</p>	<p>ENGINEERING TEAM</p> <p>DESIGNED & DRAWN BY: <i>[Signature]</i></p> <p>F.F. P. MANGALDO-SR. ENGINEER</p> <p>George N. Calson - SSO V, EFMD</p> <p>CHECKED BY: <i>[Signature]</i></p> <p>STEPHEN P. YAP - CEO IV, EFMD</p>	<p>SHEET CONTENT:</p> <p>MISCELLANEOUS DETAILS</p>	<p>ALL DRAWINGS MUST BE REVIEWED ON SITE BY THE PROJECT MANAGER. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGER.</p> <p>CONTRACTORS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.</p>	<p>SHEET NO.</p> <p>E-10</p> <p>DATE: December 16, 2021</p>
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GENERAL NOTES: MECHANICAL WORKS

1. ALL MECHANICAL DESIGN AND INSTALLATION WORKS SHALL BE IN ACCORDANCE WITH THE LATEST ASHRAE, SMACNA STANDARDS, PSME CODE, NATIONAL BUILDING CODE AND THE CITY ORDINANCES.
2. THE TOTAL SCOPE OF WORK SHALL INCLUDE ALL WORKS DESCRIBED IN PLANS AND LISTED IN THE TECHNICAL SPECIFICATIONS FOR MECHANICAL WORKS.
3. THE WORKS SHALL BE EXECUTED IN CLOSE COORDINATION WITH ALL TRADES SUPERVISED BY ENGINEERING PRACTITIONER.
4. ALL AIR CONDITIONED SPACES SHALL BE MAINTAINED AT 24°C TO 25°C Db @ 50% ±5 RH.
5. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
6. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE BALANCING, TESTING AND COMMISSIONING OF THE WHOLE VENTILATION AND AIR CONDITIONING SYSTEM AS INSTALLED.
7. ALL POWER WIRINGS UP TO CIRCUIT BREAKER SHALL BE BY ELECTRICAL CONTRACTOR AND FROM CIRCUIT BREAKER TO EQUIPMENT BY MECHANICAL CONTRACTOR, SEE NOTE UNDER SEQUENCE OF OPERATION.
8. VERIFY LOCATION OF THERMOSTAT IN COORDINATION TO ARCHITECTURAL LOCATION.
9. PROVIDE PIPE SLEEVES FOR ALL PIPING PASSING THROUGH BUILDING STRUCTURE.
10. PIPE INSULATION SHALL BE 15mm THK ELASTOMERIC RUBBER FOR DRAIN LINES AND 25mm THK ELASTOMERIC RUBBER WITH VAPOR BARRIER FOR REFRIGERANT LINES.
11. PIPE ALL EQUIPMENT CONDENSATE DRAIN LINE TO THE NEAREST FLOOR DRAIN, DRAIN STUB-OUT OR CATCH BASIN PROVIDED BY THE PLUMBING CONTRACTOR. USE MINIMUM OF 25mm, POC DRAIN LINE.
12. ALL REFRIGERANT PIPE SHALL BE TYPE "L" HARD DRAWN COPPER TUBING FOR 5TR AND TYPE "M" FOR BELOW 5TR.
13. PITCH ALL HORIZONTAL REFRIGERATION LINE WITH A MINIMUM OF 13mm IN 3m IN THE DIRECTION OF REFRIGERANT FLOW.
14. PROVIDE OIL TRAP WHEN EVER FAN COIL UNIT ELEVATION IS BELOW THE ACCU.
15. USE THE NEXT BIGGER SIZE REFRIGERANT PIPE WHEN THE TOTAL EQUIVALENT LENGTH IS MORE THAN 25M.
16. ALL INCIDENTAL MATERIALS AND SERVICES ESSENTIAL TO THE COMPLETION OF THE PROJECT SHALL BE PROVIDED AND RENDERED AT THE CONTRACTOR'S LIABILITY AND RESPONSIBILITIES.
17. APPROPRIATE MOUNTING AND SUPPORTS SHALL BE PROVIDED TO RIGIDLY SECURE ALL INSTALLATION.

EQUIPMENT SCHEDULE: AIR-COOLED CONDENSING UNITS

DESIGNATION	AIR DISCHARGE	CONDENSER DATA				REFRIGERANT PIPE SIZE		BREAKER DATA		POWER INPUT (kW)	SERIAL NUMBER	LOCATION		REMARKS
		NO. OF FAN	DRIVE	VOLT	PHASE	HERTZ	SUCTION	DISCHARGE	AT	PHASE	KAIC	FLOOR	AREA	
ACCU 101 - R	HORIZONTAL	2	DIRECT	220	3	60	TBD	TBD	50	3	18	TBD	GROUND LEFT SIDE	SEEING USE FOR RELOCATION & REINSTALLATION
ACCU 102 - N	HORIZONTAL	TBD	DIRECT	220	3	60	TBD	TBD	50	3	18	TBD	GROUND LEFT SIDE	INCLUDED IN 2020 PROCUREMENT
ACCU 103 - N	HORIZONTAL	TBD	DIRECT	220	3	60	TBD	TBD	50	3	18	TBD	GROUND LEFT SIDE	INCLUDED IN 2020 PROCUREMENT
ACCU 104 - N	HORIZONTAL	TBD	DIRECT	220	3	60	TBD	TBD	50	3	18	TBD	GROUND RIGHT SIDE	INCLUDED IN 2020 PROCUREMENT
ACCU 105 - R	HORIZONTAL	2	DIRECT	220	3	60	TBD	TBD	50	3	18	5.50	GROUND LEFT SIDE	SEEING USE FOR RELOCATION & REINSTALLATION
ACCU 106 - N	HORIZONTAL	TBD	DIRECT	220	3	60	TBD	TBD	50	3	18	TBD	GROUND LEFT SIDE	INCLUDED IN 2020 PROCUREMENT
ACCU 107 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	3.50	GROUND REAR SIDE	SEEING USE FOR RELOCATION & REINSTALLATION
ACCU 108 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	3.50	GROUND RIGHT SIDE	SEEING USE FOR RELOCATION & REINSTALLATION
ACCU 109 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	3.50	GROUND REAR SIDE	SEEING USE FOR RELOCATION & REINSTALLATION
ACCU 110 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	40	1	18	4.02	GROUND LEFT SIDE	SEEING USE FOR RELOCATION & REINSTALLATION
ACCU 111 - R	HORIZONTAL	1	DIRECT	220	1	60	TBD	TBD	30	1	18	1.35	GROUND REAR SIDE	SEEING USE FOR RELOCATION & REINSTALLATION

MECHANICAL LEGEND & ABBREVIATION

ACCU	AIR-COOLED CONDENSING UNIT		AIR FLOW	HP	HORSE POWER
FCU	FAN COIL UNIT		AIR-CURTAIN	BTU	BRITISH THERMAL UNIT
RAC	ROOM AIR-CONDITIONER		CEILING MOUNTED EXHAUST FAN	KW	KILOWATTS
	AIR-COOLED CONDENSING UNIT	EF	EXHAUST FAN	CFM	CUBIC FEET PER MINUTE
	FAN COIL UNIT	AC	AIR CURTAIN	N	BRAND NEW UNIT
	EQUIPMENT NUMBER	FT	FEET	R	REUSE/RELOCATED UNIT

EQUIPMENT SCHEDULE: VENTILATING FANS

DESIGNATION	TYPE	DESCRIPTION	SUPPLY AIR CFM	MOTOR RATINGS WATTS	FAN EFFICIENCY (MINIMUM)	DRIVE	ELECTRICAL CHARACTERISTICS			LOCATION		REMARKS
							VOLTS	PHASE	HERTZ	FLOOR	AREA SERVED	
AC 101 - N	AIR-CURTAIN	3m EFFECTIVE DISTANCE	700 (MINIMUM)	60-120	80	DIRECT	230	1	60	GROUND	MAIN ENTRANCE/EXIT	PROPOSED UNIT
AC 102 - N	AIR-CURTAIN	3m EFFECTIVE DISTANCE	700 (MINIMUM)	60-120	80	DIRECT	230	1	60	GROUND	MAIN ENTRANCE/EXIT	PROPOSED UNIT
EF 101 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	RECORDS ROOM	PROPOSED UNIT
EF 102 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	SUPPLY ROOM	PROPOSED UNIT
EF 103 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	ELECTRICAL ROOM	PROPOSED UNIT
EF 104 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	PANTRY	PROPOSED UNIT
EF 105 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	FEMALE PUBLIC TOILET	PROPOSED UNIT
EF 106 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	MALE PUBLIC TOILET	PROPOSED UNIT
EF 107 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	MALE EMPLOYEE TOILET	PROPOSED UNIT
EF 108 - N	EXHAUST FAN	CEILING TYPE W/ SHUTTER	200 (MINIMUM)	30-50	80	DIRECT	230	1	60	GROUND	FEMALE EMPLOYEE TOILET	PROPOSED UNIT

EQUIPMENT SCHEDULE: ROOM AIR-CONDITIONER

DESIGNATION	DESCRIPTION	COOLING CAPACITY		BLOWER FAN DATA				BRAND	POWER INPUT (kW)	SERIAL NUMBER	LOCATION		REMARKS
		TR/HP	BTU/HR	DRIVE	VOLT	PHASE	HERTZ				FLOOR	AREA SERVED	
RAC 101 - N	WINDOW TYPE ROOM AIR-CONDITIONER	2.5 HP	22000	DIRECT	220	1	60	TBD	1.1 - 1.2	TBD	GROUND	CONFERENCE ROOM	PROPOSED UNIT
RAC 102 - N	WINDOW TYPE ROOM AIR-CONDITIONER	2.5 HP	22000	DIRECT	220	1	60	TBD	0.7 - 0.8	TBD	GROUND	TELLER SECTION	PROPOSED UNIT

EQUIPMENT SCHEDULE: FAN COIL UNITS

DESIGNATION	DESCRIPTION	COOLING CAPACITY		BLOWER FAN DATA				APPROXIMATE PIPING LENGTH (FT)	BRAND	SERIAL NUMBER	LOCATION		REMARKS
		TR/HP	BTU/HR	DRIVE	VOLT	PHASE	HERTZ				FLOOR	AREA SERVED	
FCU 101 - R	FLOOR MOUNTED	5 TR	60000	DIRECT	220	1	60	48	KOPPEL	TBD	GROUND	E-TERMINALS, SSSET	SEEING USE FOR RELOCATION & REINSTALLATION
FCU 102 - N	FLOOR MOUNTED	5 TR	TBD	DIRECT	220	1	60	69	TBD	TBD	GROUND	MAIN LOBBY, INFO COUNTER	INCLUDED IN 2020 PROCUREMENT
FCU 103 - N	FLOOR MOUNTED	5 TR	TBD	DIRECT	220	1	60	79	TBD	TBD	GROUND	MEDICAL EVALUATION CENTER	INCLUDED IN 2020 PROCUREMENT
FCU 104 - N	FLOOR MOUNTED	5 TR	TBD	DIRECT	220	1	60	64	TBD	TBD	GROUND	ACCOUNTS MANAGEMENT SECTION	INCLUDED IN 2020 PROCUREMENT
FCU 105 - R	FLOOR MOUNTED	5 TR	60000	DIRECT	220	1	60	13	KOPPEL	TBD	GROUND	ID CAPTURE, MISS SEATING AREA	SEEING USE FOR RELOCATION & REINSTALLATION
FCU 106 - N	FLOOR MOUNTED	5 TR	TBD	DIRECT	220	1	60	68	TBD	TBD	GROUND	MISS SEATING AREA	INCLUDED IN 2020 PROCUREMENT
FCU 107 - R	FLOOR MOUNTED	3 TR	36000	DIRECT	220	1	60	66	CARRIER	LH323178	GROUND	TELLER SEATING AREA	SEEING USE FOR RELOCATION & REINSTALLATION
FCU 108 - R	FLOOR MOUNTED	3 TR	36000	DIRECT	220	1	60	46	CARRIER	LH323172	GROUND	ADMINISTRATIVE SECTION	SEEING USE FOR RELOCATION & REINSTALLATION
FCU 109 - R	FLOOR MOUNTED	3 TR	36000	DIRECT	220	1	60	37	CARRIER	H-023146	GROUND	BENEFITS SECTION	SEEING USE FOR RELOCATION & REINSTALLATION
FCU 110 - R	FLOOR MOUNTED	3 TR	36000	DIRECT	220	1	60	13	KOPPEL	TBD	GROUND	MISS BACKROOM, ASH AREA	SEEING USE FOR RELOCATION & REINSTALLATION
FCU 111 - R	WALL MOUNTED	1.5 HP	12000	DIRECT	220	1	60	27	CARRIER	TBD	GROUND	OFFICE OF THE BRANCH HEAD	SEEING USE FOR RELOCATION & REINSTALLATION



SOCIAL SECURITY SYSTEM

PROJECT TITLE:

PROPOSED RELOCATION OF
SSS ILIGAN BRANCH

LOCATION: Ramiro Building, Naval Street, Iligan City, Lanao del Norte

RECOMMENDING APPROVAL:

GILBERT N. MAGALIT
DEPARTMENT MANAGER II - EFMD

APPROVED BY:

HYDEE S. RAQUID
ACTING HEAD - OSD

APPROVED AS USER/OWNER:

EDWIN M. ALOY
CONCURRENT ACTING HEAD
MINDANAO OPERATIONS GROUP

APPROVED FOR IMPLEMENTATION:

JOHNSY E. MANGUNDAYAO
ACTING HEAD - ADMINISTRATION GROUP

ENGINEERING TEAM

DESIGNED & DRAWN BY:
Antonio V. Trinos, Jr - Sr. Engineer
REVIEWED & CHECKED BY:

George N. Carreon - SSO V, EMT - I

SHEET CONTENT:

GENERAL NOTES
LEGEND & ABBREVIATION
EQUIPMENT SCHEDULE

ALL DRAWINGS MUST BE
REVIEWED ON SITE BY THE
CONTRACTOR.

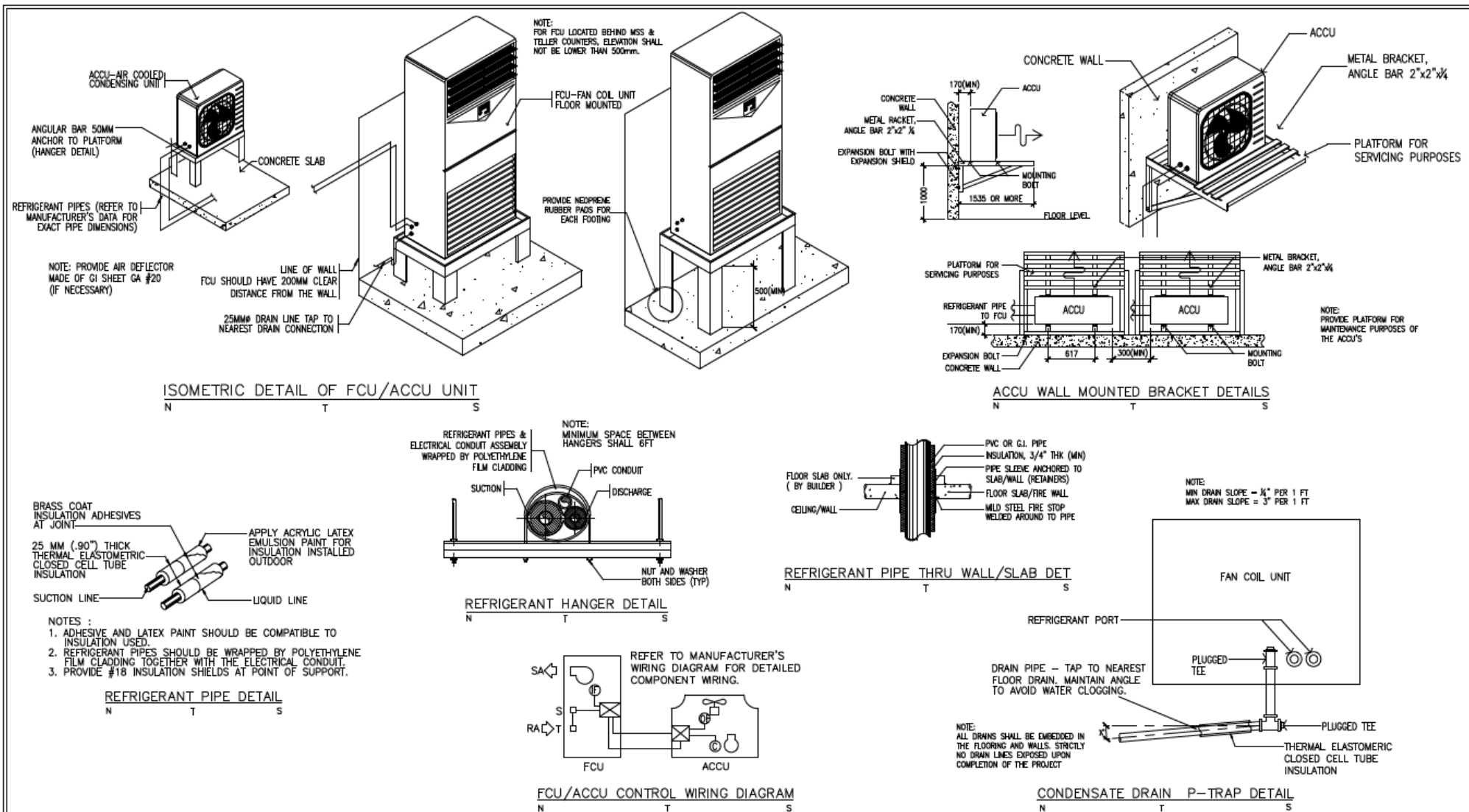
ALL DISCREPANCIES SHOULD
BE REPORTED IMMEDIATELY
TO THE ARCHITECT AND
PROJECT MANAGER.




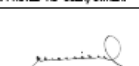


CONTRACTORS ARE TO
PREPARE AND SUBMIT SHOP
DRAWINGS TO THE
ARCHITECT PRIOR TO
COMMENCEMENT OF WORKS.

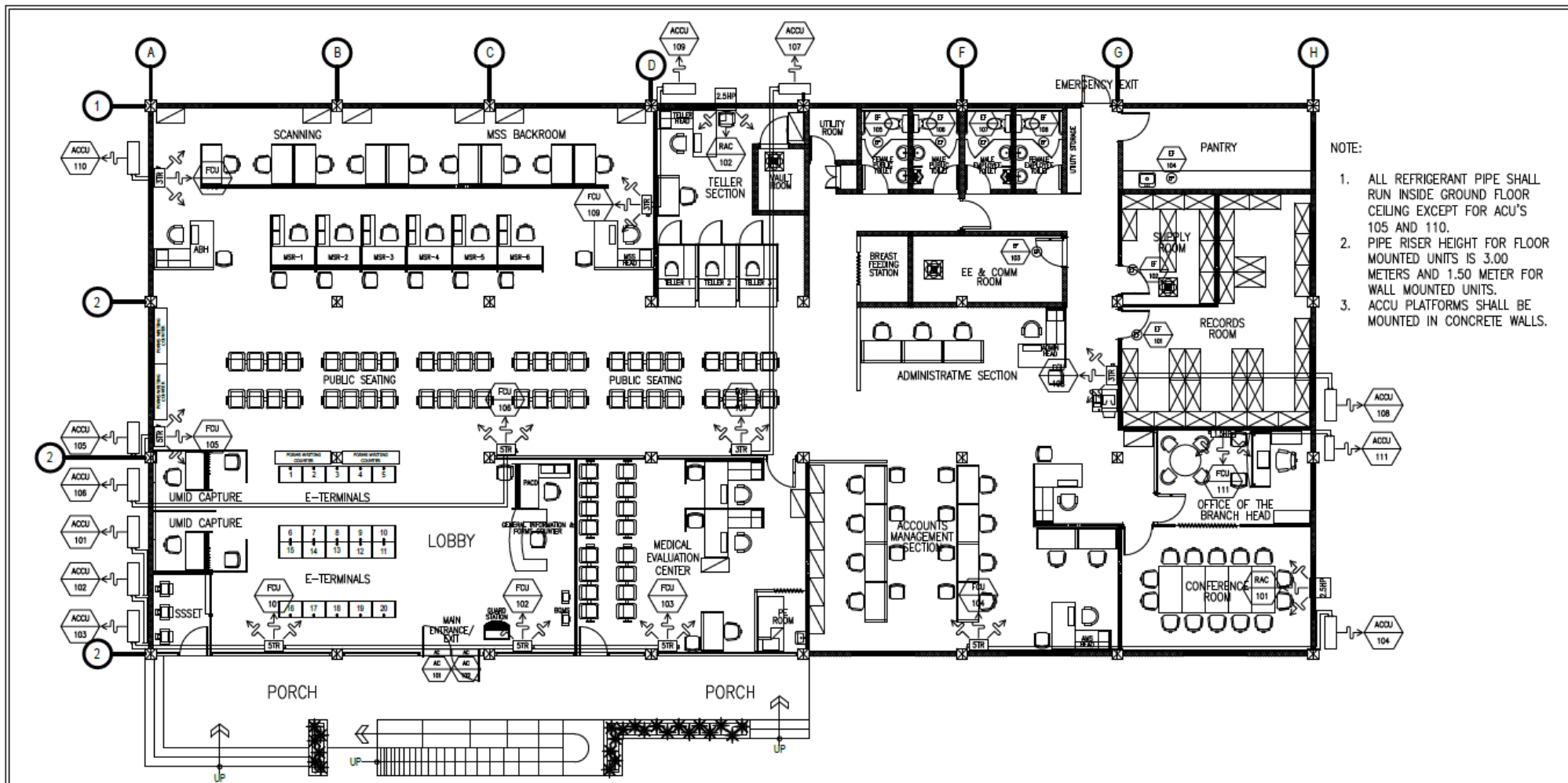
SHEET NO.

M-01



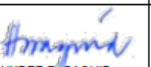
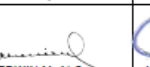

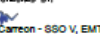
DATE:
October 28, 2021



 ENGINEERING AND FACILITIES MANAGEMENT DEPARTMENT SOCIAL SECURITY SYSTEM	PROJECT TITLE: PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: Ramiro Building, Naval Street, Iligan City, Lanao del Norte	RECOMMENDING APPROVAL:  GILBERT N. MAGALIT DEPARTMENT MANAGER III - EFMIS	APPROVED BY:  HYDEE R. RAQUID ACTING HEAD - GSD	APPROVED AS USER/OWNER:  EDWIN M. ALO CONCURRENT ACTING HEAD MINDANAO OPERATIONS GROUP	APPROVED FOR IMPLEMENTATION:  JOHNSY E. MANGUNDAYAO ACTING HEAD - ADMINISTRATION GROUP	ENGINEERING TEAM DESIGNED & DRAWN BY: Antonio V. Trinos, Jr. - Sr. Engineer REVIEWED & CHECKED BY:  George N. Carmon - SSO V, EMT - 1	SHEET CONTENT: EQUIPMENT DETAILS INSTALLATION DETAILS	SHEET NO. M-02 DATE: October 29, 2021
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**SECOND FLOOR
PROPOSED MECHANICAL LAYOUT**
1
M-03 SCALE 1:125

 ENGINEERING AND FACILITIES MANAGEMENT DEPARTMENT SOCIAL SECURITY SYSTEM	PROJECT TITLE:	RECOMMENDING APPROVAL:	APPROVED BY:	APPROVED AS USER/OWNER:	APPROVED FOR IMPLEMENTATION:	ENGINEERING TEAM	SHEET CONTENT:	ALL DRAWINGS MUST BE VERIFIED ON SITE BY THE CONTRACTOR. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGER.	SHEET NO.
	PROPOSED RELOCATION OF SSS ILIGAN BRANCH LOCATION: Ramiro Building, Naval Street, Iligan City, Lanao del Norte	 GILBERT N. MAGALIT DEPARTMENT MANAGER III - EFMD	 HYDEE R. RAQUID ACTING HEAD - OSD	 EDWIN M. ALO CONCURRENT ACTING HEAD MINDANAO OPERATIONS GROUP	 JOHNSY E. MANGUNDAYAO ACTING HEAD - ADMINISTRATION GROUP	DESIGNED & DRAWN BY: Antonio V. Tinios, Jr - Sr. Engineer REVIEWED & CHECKED BY:  George N. Carreon - SSO V, EMT - 1	GROUND FLOOR PROPOSED MECHANICAL LAYOUT	CONTINUOUS ARE TO PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORKS. DATE: October 28, 2021	M-03

GENERAL NOTES:

1.0 GENERAL:

- 1.1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS, ELEVATIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
- 1.2 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE, AND SHALL NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK. THIS SHALL INCLUDE THE LOCATIONS AND DIMENSIONS OF EXISTING VEHICLES, SLEEVES, CURBS, OPENINGS, EMBEDDED OR ATTACHED ITEMS, ETC. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
- 1.3 ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS OR DETAILS. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- 1.4 THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND SPECIFICATIONS OF THE EXISTING STRUCTURES. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION UNLESS SO STATED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PROTECT THE STRUCTURES, ADJACENT PROPERTIES, WORKMEN AND OTHER PERSONS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND/OR THE ENGINEER OF ANY CONDITION WHICH IN HIS OPINION MAY ENDANGER THE STABILITY OF THE STRUCTURES OR CAUSE DISTRESS IN THE STRUCTURES.
- 1.5 TYPICAL DETAILS AND GENERAL NOTES ON S-1 APPLY TO ALL PARTS OF THE JOB UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

2.0 STANDARDS AND REFERENCES:

THE FOLLOWING SHALL GOVERN THE DESIGN, FABRICATION AND CONSTRUCTION OF THE PROJECT:

- 2.1 AMERICAN CONCRETE INSTITUTE (ACI PUBLICATIONS):
ACI 318-05 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
ACI 308-17 (90) DESIGN HANDBOOK, VOL. 1
ACI 308-17A (90) DESIGN HANDBOOK, VOL. 2
ACI 318-04 MANUAL OF STANDARD PRACTICE FOR DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.
- 2.2 AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)
- 2.3 NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP) VOL. 1, SEVENTH EDITION, 2015
- 2.4 UNIFORM BUILDING CODE (UBC), VOL. 2 1997 EDITION

3.0 BASIC DESIGN LOADS:

3.1 DEAD LOADS (DL)

3.1.1 - METAL ROOFING	58	Pu
3.1.2 - ELECTRICAL/MECHANICAL UTILITIES	240	Pu
3.1.3 - TRUSS & BRACINGS	SELFWEIGHT OR AS COMPUTED	
3.1.4 - PURLIN	300	Pu
3.1.5 - CONCRETE	24	kN/m ²
3.1.6 - STEEL	77.3	kN/m ²

3.2 LIVE LOADS (LL)

- ROOF	1000	Pu
- COMMON AREA	4800	Pu
- STOCK ROOMS	7200	Pu

3.3 WIND LOAD (WL)

WIND LOADS ARE CALCULATED BASED ON THE RECOMMENDATIONS OF THE NSCP-2015 WITH A MINIMUM BASIC WIND SPEED OF 250 KPH.

3.4 SEISMIC LOAD, E

SEISMIC LOADS FOR BUILDING ARE CALCULATED BASED ON THE RECOMMENDATION OF THE NSCP VOL. 1, 7TH ED.

SEISMIC SOURCE TYPE	C
SOIL PROFILE	S ₀
SEISMIC COEFFICIENT, C _s	C = 0.64 S ₀
SEISMIC COEFFICIENT, C _a	C = 0.44 S ₀
SEISMIC ZONE FACTOR, (ZONE 4)	Z = 0.40
IMPORTANCE FACTOR	I = 1.0
NUMERICAL COEFFICIENT	R = 8.5
NEAR SOURCE FACTOR, N _s	N _s = 1.0
NEAR SOURCE FACTOR, N ₀	N ₀ = 1.0

4.0 MATERIALS:

4.1 NORMAL WEIGHT CONCRETE

- 4.1.1 CONCRETE USED IN THIS WORK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH @ 28 DAYS FOR ALL REINFORCED CONCRETE ELEMENTS AS FOLLOWS:
FOR FOUNDATION $f'_c = 28$ MPa (4000 Psi)
FOR SLAB AND STAIR $f'_c = 21$ MPa (3000 Psi)
- 4.1.2 ALL CONCRETE SHALL BE DEPOSITED, VIBRATED AND CURED IN ACCORDANCE WITH ACI STANDARD 318-05.
- 4.1.3 CONCRETE COVER OVER REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI STANDARD 318-05.
- 4.1.4 BEFORE CONCRETE IS POURED, CHECK WITH ALL TRADES TO ENSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, CURBS, CONDUITS, ETC. RELATIVE TO THE WORK.

4.2 REINFORCING BARS:

- 4.2.1 UNLESS OTHERWISE SPECIFIED ON THE PLANS, ALL REINFORCING BARS SHALL BE DEFINED WITH A MINIMUM YIELD STRENGTH:
 $f_y = 275$ MPa (40000 Psi) FOR 60mm & SMALLER
 $f_y = 414$ MPa (60000 Psi) FOR 60mm & LARGER
- 4.2.2 ALL REINFORCING BARS SHALL BE CLEAN OR RUST, GREASE OR OTHER MATERIALS WHICH TEND TO INHIBIT BOND.
- 4.2.3 ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE OR APPLYING MORTAR OR GROUT.
- 4.2.4 LAPPED SPICES SHALL BE STAGGERED WHERE POSSIBLE.
- 4.2.5 UNLESS INDICATED OTHERWISE, SPACING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI STANDARD 318-05.
- 4.2.6 UNLESS SHOWN OTHERWISE ON PLANS, SPICES SHALL BE AS FOLLOWS:
BEAMS: TOP AND BOTTOM BARS SHALL NOT BE SPICED WITHIN THE COLUMN OR WITHIN A DISTANCE OF TWICE THE MEMBER DEPTH FROM THE FACE OF THE COLUMN. STIRRUPS SPACING ENVELOPING THE LAP SPICES SHALL BE 100mm. THE SPICE LENGTH SHALL NOT BE LESS THAN THE LENGTH IN ITEM 4.2.9 BELOW.
COLUMNS: SPICES WHEN PERMITTED SHALL BE MADE WITHIN THE CENTER HALF OF COLUMN HEIGHT AND LAP SPICES SHALL NOT BE LESS THAN 40 BAR DIAMETER. THE USE OF APPROVED MECHANICAL DEVICES MAY BE SPICED AT ANY LEVEL AND THE MINIMUM VERTICAL DISTANCE BETWEEN TWO ADJACENT BAR SPICES SHALL BE 600mm.
CHS WALLS: VERTICAL BARS SHALL BE SPICED AT THE TOP OF WALL FOOTING OR THE BEAM AND AT THE BOTTOM OF RC Lintel BEAM OR BEAMS. SPICED LENGTHS SHALL BE 600mm MIN.
- 4.2.7 UNLESS INDICATED OTHERWISE ALL BEAMS TERMINATING AT THE COLUMN SHALL HAVE TOP AND BOTTOM BARS EXTENDING TO THE FAR FACE OF THE COLUMN, TERMINATING IN A STANDARD 90° BEND. LENGTH OF ANCHORAGE NOT LESS THAN 600mm.
- 4.2.8 SHOP DRAWINGS FOR BENDING AND CUTTING OF REINFORCEMENT SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO FABRICATION.
- 4.2.9 SPICE LENGTH OF REINFORCEMENT BARS SHALL BE AS FOLLOWS:

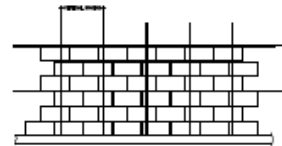
SIZE OF REBARS	SPICE LENGTH (mm)
#10	400
#12	480
#16	640
#20	800
#25	1000

4.2.10 STANDARD HOOK:

BEND ANGLE	SHAPE	BAR DIA. (d)	OA. OF INSIDE HOOK (D)	REBAR END LENGTH (A)
90°		< 25	8d	12d
		> 25 AND < 32	8d	
135° (STIRRUPS AND TIES)		< 16	4d	8d or 75 mm.
		> 16 AND < 25	6d	
180°		< 25	8d	4d or 65 mm.
		> 25 AND < 32	8d	

4.3 CONCRETE HOLLOW BLOCKS (CHB):

- 4.3.1 CHB USED IN THESE WORKS SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH @ 28 DAYS AS FOLLOWS:
100mm THICK NON-LOAD BEARING CHB: $f'_m = 2.40$ MPa (350 Psi)
- 4.3.2 ALL CELLS SHALL BE THOROUGHLY FILLED WITH GROUT. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 17.24 MPa (2500 Psi) @ 28 DAYS.
- 4.3.3 UNLESS OTHERWISE INDICATED, CHB REINFORCEMENT SHALL BE 13mm HORIZONTAL BARS @ 600mm AND 13mm VERTICAL BARS @ 600mm.
- 4.4 GRAVEL
- 4.4.1 MIN. GRAVEL SIZE FOR BEAMS, COLUMNS, SHEETPILES AND SLABS SHALL BE SMALLER THAN 10mm.



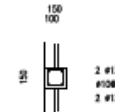
CHB WALL REINFORCEMENTS

5.0 MASONRY WALLS:

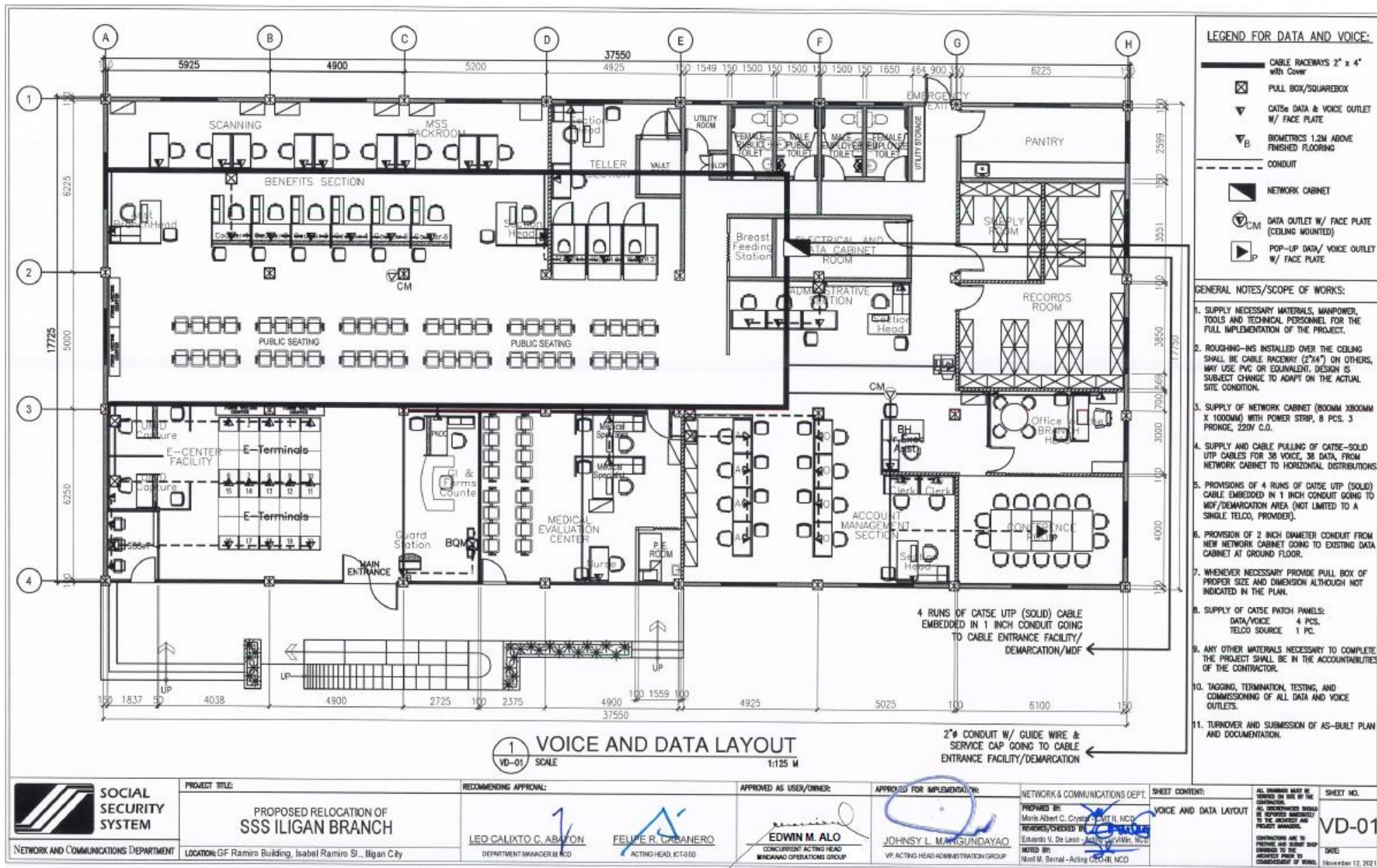
- 5.1 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE STD. AND SPECIFICATIONS OF THE STRUCTURAL CODE OF THE PHILIPPINES AND UNIFORM BLDG. CODE.
- 5.2 CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 GRADE N.
- 5.3 MORTAR AND GROUT FOR ALL CONCRETE MASONRY SHALL CONFORM TO ASTM 270 - TYPE M AND SHALL HAVE A MINIMUM OF 28 DAYS STANDARD CYLINDER COMPRESSIVE STRENGTH OF 17.5 MPa (2500 Psi).
- 5.4 ALL CHB SHALL BE LAYED OUT WITH THE CELLS IN UNOBSTRUCTED VERTICAL CONTINUITY. ALL CELLS ESPECIALLY THOSE WITH REINFORCEMENT SHALL BE FILLED WITH MORTAR.
- 5.5 REINFORCEMENT, AS TABULATED BELOW, SHALL BE PROVIDED UNLESS OTHERWISE SPECIFIED IN THE PLAN.
- 5.6 MASONRY WALLS SHALL BE PROVIDED WITH BEAM BLOCK AS REQUIRED.

CONCRETE HOLLOW BLOCKS REINFORCEMENT			
BLOCK THICKNESS (MM)	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
100	10MM BARS @ EVERY 300 LAYER OF CHB	10MM BARS AT 600MM C/C	A. MIN. LAP SPICE=300MM LONG B. PROVIDE RIGHT ANGLE REINF. AT CORNERS 300MM LONG.

BLOCK THICKNESS (MM)	BEAM BLOCK REINFORCEMENT (BLOCK THICKNESS)	
	HORIZONTAL	VERTICAL
150	# 10 @ 600MM O.C.	# 12 @ 600MM O.C.



SOCIAL SECURITY SYSTEM ENGINEERING AND PLANNING MANAGEMENT DEPARTMENT	PROJECT TITLE:	RECOMMENDING APPROVAL:	APPROVED AS USER/OWNER:	APPROVED FOR IMPLEMENTATION:	ENGINEERING TEAM:	SHEET CONTENT:	ALL DRAWINGS MUST BE REVIEWED IN LINE WITH THE C.O.B.T.A. & C.T.O.B. ALL DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE ARCHITECT AND PROJECT MANAGERS. CONTRACTORS ARE TO PROVIDE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK. DATE: November 12, 2021	SHEET NO. S-01
	PROPOSED RELOCATION OF SSS ILIGAN BRANCH	GILBERT N. MAGALIT DEPARTMENT MANAGER III - EFMD	HYDEE F. RAQUID ACTING HEAD - OSD	EDWIN M. ALONSO CONCURRENT ACTING HEAD MINDANAO OPERATIONS GROUP	JOHNSY L. MAN/UMDAYAO ACTING HEAD, ADMINISTRATION GROUP	DESIGNED & DRAWN BY: Regine M. Ignacio - Sr. Engineer/CAT REVIEWED & CHECKED BY: Michael A. Salas - CHC CAT CHECKED BY: Stephen P. Yap - CEO IV, Eng'n Section		



Section VIII. Bill of Quantities

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PROJECT : RENOVATION OF ILIGAN BRANCH
LOCATION : Ground Floor, Ramiro Building, Isabel Ramiro Street, Iligan City

BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	DIRECT COST				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
					C x E		C x G	F + H	% * (F+H)	% x(I + J)	12% x (I + J + K)	I + J + K + L
I	General Requirements											
1.0	Building / Renovation Permit, Occupancy Permit and other LGU and fees necessary to complete the project.	1.00	lot		0.00		0.00	0.00			0.00	0.00
2.0	Preparation, signing & sealing and reproduction of as-built plans.	1.00	lot		0.00		0.00	0.00			0.00	0.00
	TOTAL COST – GENERAL REQUIREMENTS				0.00		0.00	0.00				0.00
II	Site Preparation											
1.0	Clearing and dismantling of unnecessary installations, chipping & restoration of walls/floorings.	1.00	lot		0.00		0.00	0.00			0.00	0.00
2.0	Hauling and disposal of debris and waste materials.	1.00	lot		0.00		0.00	0.00			0.00	0.00
3.0	Temporary Facilities: Warehouse and Barracks	1.00	lot		0.00		0.00	0.00			0.00	0.00
	TOTAL COST – SITE PREPARATION				0.00		0.00	0.00				0.00
III	Carpentry Works											
1.0	Fabrication and installation of overhead and undercounter cabinet at pantry (refer to plans) [20mm thk ordinary plywood 4' x 8'; 1" x 1" x 10' wood edging; 2" x 2" x 10' KD Tangle s4s; 2" x 4" x 10' KD Tangle s4s; Stainless steel pull (24 pcs); Stikwel; Concealed hinge (48 pcs); Expansion shield with lag screw; Assorted nails]	1.00	lot		0.00		0.00	0.00			0.00	0.00
	TOTAL COST – CARPENTRY WORKS				0.00		0.00	0.00				0.00
IV	Glass Partitions, Doors & Windows											
1.0	Glass Door and Glass Partitions including accessories (see details on plan)											
1.1	GD-01 Frameless double leaf door with transom, 12mm thk x 2000mm x 2500mm tempered clear glass w/ stainless steel door handle complete with patch fittings, hardware and accessories.	1.00	set		0.00		0.00	0.00			0.00	0.00
1.2	GD-02 Frameless single leaf door with transom, 12mm thk x 900mm x 2500mm tempered clear glass w/ stainless steel door handle complete with patch fittings, hardware and accessories.	5.00	sets		0.00		0.00	0.00			0.00	0.00
1.3	GP-01 12mm thl x ±15600mm x 2500mm tempered clear glass on FD100 top & bottom, powder coated finish.	1.00	set		0.00		0.00	0.00			0.00	0.00
1.4	GP-02 12mm thk x 1324mm x 2500mm tempered clear glass on FD100 top & bottom, powder coated finish.	1.00	set		0.00		0.00	0.00			0.00	0.00
1.5	GP-03 12mm thk x 1912mm x 2500mm tempered clear glass on FD100 top & bottom, powder coated finish.	1.00	set		0.00		0.00	0.00			0.00	0.00
1.6	GP-04 12mm thk x 6200mm x 2500mm tempered clear glass on FD100 top & bottom, powder coated finish.	1.00	set		0.00		0.00	0.00			0.00	0.00
1.7	GP-05 12mm thk x ±8450mm x 2500mm tempered clear glass on FD100 top & bottom, powder coated finish.	1.00	set		0.00		0.00	0.00			0.00	0.00
1.8	GP-06 12mm thk x 2015mm x 2500mm tempered clear glass on FD100 top & bottom, powder coated finish.	1.00	set		0.00		0.00	0.00			0.00	0.00
	Sub-total				0.00		0.00	0.00				0.00
2.0	Steel Door including hardware and accessories (see details on plan)											
2.1	SD4 - 1375mm x 2500mm (verify) stainless steel roll-up security grilles with 5/16"Ø solid horizontal rods spaced @ 2-1/2" O.C. and 5/8"Ø vertical llinks spaced @ 9" O.C complete with lockset, hardware and accessories (Info Kiosk)	1.00	set		0.00		0.00	0.00			0.00	0.00
	Sub-total				0.00		0.00	0.00				0.00
3.0	PVC Folded Door (see details on plan)											
3.1	PVC - 01 2000mm x 2500mm (verify), 150mm x 15mm thk PVC, Laminates Nylex Finish, Single Drawn Opening, extruded vinyl hinges, heavy duty aluminum Railtracks tounge & groove jamb post receptacles w/ self locking flexible vinyl seals	1.00	set		0.00		0.00	0.00			0.00	0.00
3.2	PVC - 02 1000mm x 2500mm (verify), 150mm x 15mm thk PVC, Laminates Nylex Finish, Single Drawn Opening, extruded vinyl hinges, heavy duty aluminum Railtracks tounge & groove jamb post receptacles w/ self locking flexible vinyl seals	2.00	sets		0.00		0.00	0.00			0.00	0.00
	Sub-total				0.00		0.00	0.00				0.00
4.0	Aluminum Roll-up Doors (Storefront), verify on site											
4.1	Roll-up frame security shutters, 1700mm x 2775mm ga. 22 (blades) ga. 16 (frames) complete with lockset, hardware and accessories	1.00	set		0.00		0.00	0.00			0.00	0.00
4.2	Roll-up frame security shutters, 3981mm x 2775mm ga. 22 (blades) ga. 16 (frames) complete with lockset, hardware and accessories	1.00	set		0.00		0.00	0.00			0.00	0.00
4.3	Roll-up frame security shutters, 2500mm x 2775mm ga. 22 (blades) ga. 16 (frames) complete with lockset, hardware and accessories	1.00	set		0.00		0.00	0.00			0.00	0.00

ITEM NO.	DESCRIPTION		QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
					UNIT COST	AMOUNT	UNIT COST	AMOUNT	DIRECT COST				
(A)	(B)		(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
						C x E		C x G	F + H	% * (F+H)	% x (I + J)	12% x (I + J + K)	I + J + K + L
	4.4	Roll-up frame security shutters, 2000mm x 2775mm ga. 22 (blades) ga. 16 (frames) complete with lockset, hardwares and accessories	1.00	set		0.00		0.00	0.00			0.00	0.00
	4.5	Roll-up frame security shutters, 2700mm x 2775mm ga. 22 (blades) ga. 16 (frames) complete with lockset, hardwares and accessories	1.00	set		0.00		0.00	0.00			0.00	0.00
	4.6	Roll-up frame security shutters, 900mm x 2775mm ga. 22 (blades) ga. 16 (frames) complete with lockset, hardwares and accessories	1.00	set		0.00		0.00	0.00			0.00	0.00
	4.7	Roll-up frame security shutters, 1250mm x 2775mm ga. 22 (blades) ga. 16 (frames) complete with lockset, hardwares and accessories	1.00	set		0.00		0.00	0.00			0.00	0.00
	4.8	Roll-up frame security shutters, 4550mm x 2775mm ga. 22 (blades) ga. 16 (frames) complete with lockset, hardwares and accessories	1.00	set		0.00		0.00	0.00			0.00	0.00
	Sub-total					0.00		0.00	0.00				0.00
	TOTAL COST – GLASS PARTITIONS, DOORS & WINDOWS					0.00		0.00	0.00				0.00
V	Architectural Works												
	1.0	Installation of acoustic ceiling board on CMT powder coated aluminum frame (as designated on the plan) [Acoustic Board, Fine Fissured Design, 2' x 2' x 5/8" thk.; CMT - Main Tee 1" x 1 1/2" x 12'; CMT - Cross Tee 1" x 1" x 2'; CMT - Wall Angle 1" x 1" x 10'; Hanger Rod, #8; Powerload & Drive Pin (threaded); Steel Angle, 50mm x 50mm x 6mm thk; Concrete Nail, 1"]	495.00	sq.m		0.00		0.00	0.00			0.00	0.00
	2.0	Installation of Fiber cement board ceiling on suspended metal furring system (Benefits Section, Vault, Breastfeeding Station, electrical & Data Cabinet Room, Toilets, Utility Room, Pantry, Supply & Records Room, SSet) [Fiber Cement Board, 1.20m x 2.40m x 6mm; Carrying Channel, 12mm x 38mm x 5m, ga.20; Double Furring Channel, 19mm x 50mm x 5m, ga.25; Wall angle 25mm x 25mm x 3m, ga. 25; 1/8" x 3/8" (4-4) blind rivets; W-Clip, double; Suspension Clip & Rod Joiner #8; Powerload & Drive Pin (threaded); Steel angle 50mm x 50mm x 6mm thk; Mesh Tape 2" x 250ft; J.Cole Ready mix putty]	166.00	sq.m		0.00		0.00	0.00			0.00	0.00
	TOTAL COST – ARCHITECTURAL FINISHES					0.00		0.00	0.00				0.00
VI	Specialty Works												
	1.0	Supply, Delivery and Installation of Outdoor Horizontal and Vertical Signages (verify on plans and site)											
	1.1	Horizontal Signage, 7.00m x 0.90m x 0.10m, aluminum composite panel w/ acrylic letterings & logo complete w/ mounting frame support and electrical LED lightings, switches, wires, outlet, conduits, accessories and tapping to the nearest power supply system.	1.00	set		0.00		0.00	0.00			0.00	0.00
	1.2	Vertical Signage, 1.20m x 2.00m x 0.20m, aluminum composite panel w/ acrylic letterings & logo complete w/ G.I. pipe & framing support, concrete pedestal & footing, electrical LED lightings, switches, wires, outlet, conduits, accessories and tapping to the nearest power supply system.	1.00	set		0.00		0.00	0.00			0.00	0.00
	1.3	Others: Signage support, hangers, brackets, expansion bolts and welding rods Wall chipping for pipe laying including restoration and painting Rental, assembly and dismantling of Scaffolding	1.00	lot		0.00		0.00	0.00			0.00	0.00
	Sub-total					0.00		0.00	0.00				0.00
	2.0	Installation of MSS Backdrop (Verify on plans)	1.00	lot		0.00		0.00	0.00			0.00	0.00
	2.1	SSS Logo (Embossed Acrylic) - 50mm thk.											
	2.2	"Buti na lang may SSSI" (Embossed Acrylic) - 50mm thk.											
	2.3	"Aming Kontribusyon, Ipong Nagbibigay Proteksyon" (Embossed Acrylic) - 50mm thk.											
	2.4	LED light including power supply, wires, outlets, conduits and other necessary accessories											
	Sub-total					0.00		0.00	0.00				0.00
	3.0	Supply and installation of indoor directional signages (verify on plans)											
	3.1	Acrylic ceiling mounted signage (long)	22.00	pcs		0.00		0.00	0.00			0.00	0.00
	3.2	Acrylic ceiling mounted signage (short)	2.00	pcs		0.00		0.00	0.00			0.00	0.00
	3.3	Acrylic wall mounted signage	9.00	pcs		0.00		0.00	0.00			0.00	0.00
	3.4	Acrylic door mounted signage (Male & Female Comfort Rooms)	5.00	pcs		0.00		0.00	0.00			0.00	0.00
	3.5	Acrylic plastic wall mounted counter number (#1-#6)	6.00	pcs		0.00		0.00	0.00			0.00	0.00
	3.6	Store Front glass mounted signage	2.00	pcs		0.00		0.00	0.00			0.00	0.00
	Sub-total					0.00		0.00	0.00				0.00
	4.0	Supply and installation of sunscreen roller shades (verify on plans)											
	4.1	Sunscreen roller shades, 0.80 m x 2.50m (GP-01)	1.00	pcs.		0.00		0.00	0.00			0.00	0.00
	4.2	Sunscreen roller shades, 3.981 m x 2.50m (GP-01)	1.00	pcs.		0.00		0.00	0.00			0.00	0.00
	4.3	Sunscreen roller shades, 2.70 m x 2.50m (GP-01)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	4.4	Sunscreen roller shades, 1.25 m x 2.50m (GP-01)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	4.5	Sunscreen roller shades, 4.55 m x 2.50m (GP-01)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	4.6	Sunscreen roller shades, 2.85 m x 1.70m (WIN-01)	13.00	pc.		0.00		0.00	0.00			0.00	0.00

ITEM NO.	DESCRIPTION		QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
					UNIT COST	AMOUNT	UNIT COST	AMOUNT	DIRECT COST				
(A)	(B)		(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
						C x E		C x G	F + H	% + (F+H)	% x (I + J)	12% x (I + J + K)	I + J + K + L
	4.7	Sunscreen roller shades, 1.45 m x 1.70m (WIN-02)	2.00	pc.		0.00		0.00	0.00			0.00	0.00
		Sub-total				0.00		0.00	0.00				0.00
	5.0	Supply and installation of frosted sticker on glass door and glass partition (verify on plans)											
	5.1	Frosted sticker, 15.70m x 1.20m with SSS Logo (GP-01)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	5.2	Frosted sticker, 1.324m x 1.225m (GP-02)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	5.3	Frosted sticker, 1.912m x 1.225m (GP-03)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	5.4	Frosted sticker, 6.20m x 1.225m (GP-04)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	5.5	Frosted sticker, 8.50m x 1.225m (GP-05)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	5.6	Frosted sticker, 2.915m x 1.225m (GP-06)	1.00	pc.		0.00		0.00	0.00			0.00	0.00
	5.7	Frosted sticker, 1.0m x 0.20m (GD-01) one with cut-out	2.00	pcs.		0.00		0.00	0.00			0.00	0.00
	5.8	Frosted sticker, 0.90m x 0.20m (GD-02) with cut-out	2.00	pcs.		0.00		0.00	0.00			0.00	0.00
	5.9	Frosted sticker, 0.90m x 1.225m (GD-02) with cut-out	3.00	pcs.		0.00		0.00	0.00			0.00	0.00
		Sub-total				0.00		0.00	0.00				0.00
		TOTAL COST – SPECIALTY WORKS				0.00		0.00	0.00				0.00
VII	Painting Works												
	1.0	Painting of double-wall partition [Permacoat Flat Latex Paint, 1 Coat; Permacoat Semi Gloss Latex Paint, 2 Coats; Oil tinting color, assorted; Gypsum Putty; Sand Paper, roller, brush, rags & other consumables]	295.00	sq.m		0.00		0.00	0.00			0.00	0.00
	2.0	Painting of masonry wall (interior & exterior) including columns [Permacoat Flat Latex Paint, 1 Coat; Permacoat Semi Gloss Latex Paint, 2 Coats; Concrete neutralizer; Masonry putty; Sand Paper, roller, brush, rags & other consumables including assembly & dismantling of scaffolding]	665.00	sq.m		0.00		0.00	0.00			0.00	0.00
	3.0	Painting of fiber cement board ceiling [Permacoat Flat Latex Paint, 1 Coat; Permacoat Semi Gloss Latex Paint, 2 Coats; Gypsum Putty; Sand Paper, roller, brush, rags & other consumables]	166.00	sq.m		0.00		0.00	0.00			0.00	0.00
	4.0	Painting of doors & jambs and cabinets [Lacquer primer surfacer, 1 coat; Automotive Lacquer paint, 2 coats; Clear gloss lacquer paint, 2 coats; Lacquer spot putty; Lacquer thinner; Oil tinting color; Sand Paper, brush, rags & other consumables; Surface Preparation]	1.00	lot		0.00		0.00	0.00			0.00	0.00
	5.0	Painting of window security grilles [Epoxy Primer, 1 coat; Quick dry Enamel paint, 2 coats; Paint thinner; Oil tinting color; Sand Paper, brush, rags & other consumables; Surface Preparation (wire brushing/scraping/sanding of metal surfaces)]	1.00	lot		0.00		0.00	0.00			0.00	0.00
		TOTAL COST – PAINTING WORKS				0.00		0.00	0.00				0.00
VIII	Electrical Works												
	1.0	Electrical Room											
	1.1	25mmØ IMC pipe with coupling	1	L		0.00		0.00	0.00			0.00	0.00
	1.2	32mmØ IMC pipe with coupling	1	L		0.00		0.00	0.00			0.00	0.00
	1.3	65mmØ IMC pipe with coupling	1	L		0.00		0.00	0.00			0.00	0.00
	1.4	25mmØ IMC Locknut with Bushing	8	pairs		0.00		0.00	0.00			0.00	0.00
	1.5	32mmØ IMC Locknut with Bushing	8	pairs		0.00		0.00	0.00			0.00	0.00
	1.6	65mmØ IMC Locknut with Bushing	4	pairs		0.00		0.00	0.00			0.00	0.00
	1.7	5.5mm2 THHN stranded wire, Lead Free	7	m		0.00		0.00	0.00			0.00	0.00
	1.8	8.0mm2 THHN stranded wire, Lead Free	7	m		0.00		0.00	0.00			0.00	0.00
	1.9	14.0mm2 THHN stranded wire, Lead Free	21	m		0.00		0.00	0.00			0.00	0.00
	1.10	22.0mm2 THHN stranded wire, Lead Free	3	m		0.00		0.00	0.00			0.00	0.00
	1.11	30.0mm2 THHN stranded wire, Lead Free	21	m		0.00		0.00	0.00			0.00	0.00
	1.12	150.0mm2 THHN stranded wire, Lead Free	9	m		0.00		0.00	0.00			0.00	0.00
	1.13	Pull Box with cover, (150x150x100)mm, G#14, Powder Coated, Gray Paint	1	ea		0.00		0.00	0.00			0.00	0.00
	1.14	Wire Gutter with cover, (2000x300x250)mm, G#14, Powder Coated, Gray Paint	1	ea		0.00		0.00	0.00			0.00	0.00
	1.15	Main Distribution Panel (MDP) Main: 350AT, Three Phase, 230 VAC, 60Hz, 32KAIC Branches: 1 - 300AT, 3P, 230VAC, 60Hz., 32kAIC	1	set		0.00		0.00	0.00			0.00	0.00

ITEM NO.	DESCRIPTION		QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL DIRECT COST	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
					UNIT COST	AMOUNT	UNIT COST	AMOUNT					
(A)	(B)		(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
						C x E		C x G	F + H	% * (F+H)	% x(I + J)	12% x(I + J + K)	I + J + K + L
		1 – 100AT, 3P, 230VAC, 60Hz., 25kAIC 2– SPACE Surface Mounted, Bolt-on, Industrial Type, w/ grounding terminal block, powder coated gray paint, NEMA1											
	1.16	Power Panel Air-con (PPAC) Main: 300AT, Three Phase, 230VAC, 60Hz., 32kAIC Branches: 6 – 50AT, 3P, 230VAC, 60Hz., 2P, 18 kAIC 4 – 40AT, 2P, 230VAC, 60Hz., 2P, 18 kAIC 4 – 30AT, 2P, 230VAC, 60Hz.,18 kAIC 4 – SPACE Surface Mounted, Bolt-on, Industrial Type, w/ grounding terminal block, powder coated gray paint, NEMA1	1	set		0.00		0.00	0.00			0.00	0.00
	1.17	Emergency Lighting Power Panel (ELPP) Main: 100AT, Three Phase, 230VAC, 60Hz., 25kAIC Branches: 1 – 60AT, 3P, 230VAC, 60Hz., 18 kAIC 17– 20AT, 2P, 230VAC, 60Hz., 10 kAIC 2 – SPACE Surface Mounted, Bolt-on, Industrial Type, w/ grounding terminal block, powder coated gray paint	1	set		0.00		0.00	0.00			0.00	0.00
	1.18	Reutilized/ re-installation of the existing UPS Panel complete with essential wiring system and standard accessories UPS Distribution Panel (UPSDP) Main: 60AT, Three Phase, 230VAC, 60Hz., 18kAIC Branches: 8 – 20AT, 2P, 230VAC, 60Hz., 10KAIC Surface Mounted, Bolt-on, Industrial Type, w/ grounding terminal block, powder coated gray paint, NEMA1	1	set		0.00		0.00	0.00			0.00	0.00
	1.19	Manual Transfer Switch (MTS): 100AT, Three Phase, 230VAC, 60Hz., 25KAIC Surface Mounted, Bolt-on, Industrial Type, NEMA1, Powder Coated Gray Paint	1	set		0.00		0.00	0.00			0.00	0.00
	1.20	Rigid support/ hanger/ bracket with angle bar & u-bolt for the service entrance feeder line to electrical room Other incidental items/ consumable materials and other related works/ activities to complete the installation	1	lot		0.00		0.00	0.00			0.00	0.00
		Sub-Total				0.00		0.00	0.00				0.00
		Sub-total 1				0.00		0.00	0.00				0.00
	2.0	Power, Lighting and Other Layout Materials											
	2.1	Conduits & Fittings											
	2.1.1	20mmØ PVC Pipe with hub	385	L		0.00		0.00	0.00			0.00	0.00
	2.1.2	20mmØ PVC Adapter with locknut & bushing	830	sets		0.00		0.00	0.00			0.00	0.00
	2.1.3	15mmØ Flexible Metallic Conduit (FMC)	110	m		0.00		0.00	0.00			0.00	0.00
	2.1.4	15mmØ Flexible Metallic angle/ straight connector with locknut & bushing	220	sets		0.00		0.00	0.00			0.00	0.00
		Sub-Total				0.00		0.00	0.00				0.00
	2.2	Boxes / Gutters with cover											
	2.2.1	Utility Box Deep type GA # 16	164	ea		0.00		0.00	0.00			0.00	0.00
	2.2.2	Junction Box Deep type GA # 16	235	ea		0.00		0.00	0.00			0.00	0.00
	2.2.3	Square Box Deep type GA # 16	20	ea		0.00		0.00	0.00			0.00	0.00
		Sub-Total				0.00		0.00	0.00				0.00
	2.3	Wires / Cables											
	2.3.1	3.5mm2 THHN/ THWN stranded wire, Lead Free	23	rolls		0.00		0.00	0.00			0.00	0.00
	2.3.2	Recessed Lighting Fixtures,T8, 2x18watts LED, 1620 lumens with built-in driver, BI pin terminal 200-250VAC, 60Hz., 140 deg. beam angle (min.), 50,000 burning hours, (600x1200)mm w/ aluminum large cell parabolic louver type, anodized reflector, cool daylight complete with essential wiring system	78	sets		0.00		0.00	0.00			0.00	0.00

ITEM NO.	DESCRIPTION		QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
					UNIT COST	AMOUNT	UNIT COST	AMOUNT	DIRECT COST				
					(E)	(F) C x E	(G)	(H) C x G	(I) F + H				
(A)	(B)		(C)	(D)	(E)	(F) C x E	(G)	(H) C x G	(I) F + H	(J) % * (F+H)	(K) % x (I + J)	(L) 12% x (I + J + K)	(M) I + J + K + L
	2.3.3	Recessed Lighting Fixtures, T8, 1x18watts LED, 1620 lumens with built-in driver, bi-pin terminal 200-250VAC, 60Hz., 140 deg. beam angle (min.), 50,000 burning hours, (200x1200)mm, with aluminum large cell parabolic lower type, anodized reflector, cool daylight, complete with essential wiring system and standard accessories	12	sets		0.00		0.00	0.00			0.00	0.00
	2.3.4	Down Lighting Fixture, Recessed Type, Spun Aluminum with 12watts LED Lamp, 6" dia. Clear Glass complete with essential wirings and standard accessories	30	sets		0.00		0.00	0.00			0.00	0.00
	2.3.5	Cove lighting, 1x18 watts, T5 LED tube, 1800 lumens with built-in driver, bi pin terminal, 200-250VAC, 60Hz., 40,000 burning hours, 140 deg. Beam angl (min.), cool daylight	16	sets		0.00		0.00	0.00			0.00	0.00
	2.3.6	Convenience Outlet, Duplex, 15A, 230V, 3-Prong w/ grounding, flush mounted, parallel slot, complete with cover	74	sets		0.00		0.00	0.00			0.00	0.00
	2.3.7	Convenience Outlet, Duplex, 15A, 230V, 2-Prong w/ grounding, flush mounted, parallel slot, complete with cover	63	sets		0.00		0.00	0.00			0.00	0.00
	2.3.8	Convenience Outlet, Single, 15A, 230V, 2-Prong w/ grounding, flush mounted, parallel slot, complete with cover	27	sets		0.00		0.00	0.00			0.00	0.00
	2.3.9	Pop-up Floor Mounted, Convenience Outlet, Duplex, 15A, 230V, 3-Prong w/ grounding, parallel slot, complete with plate and cover	1	set		0.00		0.00	0.00			0.00	0.00
	2.3.10	Pop-up Floor Mounted, Convenience Outlet, Duplex, 15A, 230V, 2-Prong parallel slot, complete with cover	1	set		0.00		0.00	0.00			0.00	0.00
	2.3.11	Window Type Air-Outlet, 230V, 3 Prong w/ grounding, flush mounted, parallel slot, complete with cover	2	sets		0.00		0.00	0.00			0.00	0.00
	2.3.12	One Gang Switch complete with plate and cover	15	sets		0.00		0.00	0.00			0.00	0.00
	2.3.13	Two Gang Switch complete with plate and cover	5	sets		0.00		0.00	0.00			0.00	0.00
	2.3.14	Three Gang Switch complete with plate and cover	3	sets		0.00		0.00	0.00			0.00	0.00
	2.3.15	Rechargeable Emergency Light, 2 x 3-5watt min. LED, 4AH min., 4-6VDC, Warm White, with Sealed Lead Acid Battery	23.00	sets		0.00		0.00	0.00			0.00	0.00
	2.3.16	Exit Signage, 3-5watt LED, with back-up battery	1	set		0.00		0.00	0.00			0.00	0.00
	2.3.17	Fire Exit Signage, 3-5watt LED, with back-up battery	1	set		0.00		0.00	0.00			0.00	0.00
	2.3.18	Exhaust Fan, Ceiling Mounted, 55watts, 200cfm, 230VAC, 60Hz., with grill shutter, lower or its approved equivalent	8	sets		0.00		0.00	0.00			0.00	0.00
	2.3.19	Air Curtain, 90-120watts, 230VAC, 60Hz., 11m/s (min.), 3m effective distance, or its approved equivalent	2	sets		0.00		0.00	0.00			0.00	0.00
		Sub-Total				0.00		0.00	0.00				0.00
	2.4	Dismantling of all electrical/ mechanical materials and other existing layout not necessary for the new office design/ layout including chipping works and other related works/ activities.	1	Lot		0.00		0.00	0.00			0.00	0.00
		Sub-Total				0.00		0.00	0.00				0.00
	2.5	Conduits/ supports, other incidental miscellaneous items and consumable materials and other related works and activities to complete the installation.	1	Lot		0.00		0.00	0.00			0.00	0.00
		Sub-Total				0.00		0.00	0.00				0.00
	2.6	Supply of electrical layout materials for the transferring and re-installation of existing UPS Unit, Batteries, and other essential wiring system and standard accessories.	1	Lot		0.00		0.00	0.00			0.00	0.00
		Sub-Total				0.00		0.00	0.00				0.00
		Sub-total 2				0.00		0.00	0.00				0.00
	TOTAL COST - ELECTRICAL WORKS												0.00
IX	Structured Cabling Works												
	1.0	Cabling Components											
	1.1	Cat5E Information Outlet	128	pcs		0.00		0.00	0.00			0.00	0.00
	1.2	Cat5E Patch Panel 24 Ports	7	pcs		0.00		0.00	0.00			0.00	0.00
	1.3	19" Horizontal cable manager	3	pcs		0.00		0.00	0.00			0.00	0.00
	1.4	Modular Faceplate 2 - Port	64	pcs		0.00		0.00	0.00			0.00	0.00
	1.5	Cat5E UTP patch cable 3 meters	64	pcs		0.00		0.00	0.00			0.00	0.00
	1.6	Cat5E UTP Cable 4 -Pair Solid, 24WG	17	spool		0.00		0.00	0.00			0.00	0.00
	1.7	42U Network Cabinet 800mm. W x 800mm. D x 2000mm. H, Power Strip, 8 pcs. 3-pronge, 220V C.O. , 2 pcs Exhaust. Fan on Top Frame	1	lot		0.00		0.00	0.00			0.00	0.00
	2.0	Roughing-ins											
	2.1	Cable raceway, PVC Pipes and molding Metal Flexible, Junction/square/pullbox/plastic box, angle bar, anchor bolt, connectors, couplings, etc.	1	lot		0.00		0.00	0.00			0.00	0.00
	2.2	Others(Freight/hotel accomodation/medical expenses)	1	lot		0.00		0.00	0.00			0.00	0.00
						0.00		0.00	0.00				0.00
	TOTAL COST - STRUCTURED CABLING WORKS												0.00

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	DIRECT COST				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
					C x E		C x G	F + H	% * (F+H)	% x (I + J)	12% x (I + J + K)	I + J + K + L
X	MECHANICAL WORKS											
1.0	Supply, Delivery and Installation of Two (2) STR Floor Mounted Air-Conditioning Units at the following areas: - SSSET and e-Terminals Area (ACU 101) - ID Capture and Seating Area (ACU 105)											
1.1	Equipment											
1.1.1	Brand New STR Floor Mounted Split Type Air-Conditioner with Horizontal Discharge Air-Cooled Condensing Unit Power Supply: 220-230V, three phase, 60Hz Cooling Capacity Rated: 16.41kW (56000 BTU/Hr) Power Consumption: 6.0 - 6.5 kW Maximum piping length: 50 meters Refrigerant: R-410a Compressor Warranty: Five (5) years complete with standard accessories including dismantling and hauling of units and accessories to be replaced	2	sets		0.00		0.00	0.00			0.00	0.00
1.2	Installation Works											
1.2.1	Suction Copper Pipe, for STR A/C Unit	3	lgs		0.00		0.00	0.00			0.00	0.00
	Hard-drawn, 20ft/length											
1.2.2	Discharge Copper Pipe, for STR A/C Unit	3	lgs		0.00		0.00	0.00			0.00	0.00
	Hard-drawn, 20ft/length											
1.2.3	Copper Tube Fittings	1	lot		0.00		0.00	0.00			0.00	0.00
1.2.4	Refrigerant	4	kgs		0.00		0.00	0.00			0.00	0.00
1.2.5	Pipe Insulation for Suction Line, 6ft/lg	10	lgs		0.00		0.00	0.00			0.00	0.00
1.2.6	Pipe Insulation for Discharge Line, 6ft/lg	10	lgs		0.00		0.00	0.00			0.00	0.00
1.2.7	Polyethylene Film Cladding, 4" (white tape)	3	rolls		0.00		0.00	0.00			0.00	0.00
1.3	Electrical Works											
1.3.1	3/4inØ PVC Conduit	26	lgs		0.00		0.00	0.00			0.00	0.00
1.3.2	1/2inØ PVC Conduit	6	lgs		0.00		0.00	0.00			0.00	0.00
1.3.3	3/4inØ Liquid Tight Flexible Conduit	8	mtrs		0.00		0.00	0.00			0.00	0.00
1.3.4	Fittings and other accessories	1	lot		0.00		0.00	0.00			0.00	0.00
1.3.5	Communication Wiring, Royal Cord #14, 4-Core	19	mtrs		0.00		0.00	0.00			0.00	0.00
1.3.6	Grounding Wire, 2.0mm ² Ø THHN Wire, Lead-Free	85	mtrs		0.00		0.00	0.00			0.00	0.00
1.3.7	Feeder Line, 8.0mm ² Ø THHN Wire, Lead-Free	255	mtrs		0.00		0.00	0.00			0.00	0.00
1.3.8	ECB 50AT, 3P, 18kAIC, 230V, NEMA 3R Enclosure, Bolt-on, Surface Mounted, Industrial Type	2	sets		0.00		0.00	0.00			0.00	0.00
1.4	Other Works to Complete the Installation											
1.4.1	Platform and Mounting Brackets for both units and Supports for both units and refrigerant lines	1	lot		0.00		0.00	0.00			0.00	0.00
	1.4.1a. 50 x 50 x 3mm Thick Angle Bar											
	1.4.1b. Threaded Rod with Clamp											
	1.4.1c. Welding Rod											
	1.4.1d. Nuts and Bolts											
	1.4.1e. Neoprene Pads											
	1.4.1f. Supports											
	1.4.1g. Others to complete the installation											
1.4.2	Nitrogen Gas and Flushing Agents	1	lot		0.00		0.00	0.00			0.00	0.00
1.4.3	Welding works including appropriate supports, fittings and other consumables	1	lot		0.00		0.00	0.00			0.00	0.00
1.4.4	PVC Drain Pipe Connection with proper clean-out including chipping, embedding of new drain pipes and restoration of affected areas	1	lot		0.00		0.00	0.00			0.00	0.00
1.4.5	Testing and Commissioning	1	lot		0.00		0.00	0.00			0.00	0.00
1.4.6	Miscellaneous items and services	1	lot		0.00		0.00	0.00			0.00	0.00
	SUB TOTAL				0.00		0.00	0.00				0.00
2.0	Supply, Delivery and Installation of Four (4) 3TR Floor Mounted Air-Conditioning Units at the following areas: - Teller Seating Area (ACU 107) - Administrative Section (ACU 108) - Benefits Section (ACU 109) - ABH Area and MSS Backroom (ACU 110)											
2.1	Equipment											
2.1.1	Brand New 3TR Floor Mounted Split Type Air-Conditioner with Horizontal Discharge Air-Cooled Condensing Unit Power Supply: 220-230V, single phase, 60Hz Cooling Capacity Rated: 10.55kW (36000 BTU/Hr)	4	sets		0.00		0.00	0.00			0.00	0.00

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	DIRECT COST				
				(E)	(F) C x E	(G)	(H) C x G	(I) F + H				
(A)	(B)	(C)	(D)	(E)	(F) C x E	(G)	(H) C x G	(I) F + H	% * (F+H)	% x (I + J)	12% x (I + J + K)	I + J + K + L
	Power Consumption: 3.80kW Maximum piping length: 30 meters Refrigerant: R-410a Compressor Warranty: Five (5) years complete with standard accessories including dismantling and hauling of units and accessories to be replaced											
2.2	Installation Works											
2.2.1	Suction Copper Pipe, for 3TR A/C Unit Hard-drawn, 20ft/length	8	lgs		0.00		0.00	0.00			0.00	0.00
2.2.2	Discharge Copper Pipe, for 3TR A/C Unit Hard-drawn, 20ft/length	8	lgs		0.00		0.00	0.00			0.00	0.00
2.2.3	Copper Tube Fittings	1	lot		0.00		0.00	0.00			0.00	0.00
2.2.4	Refrigerant	8	kgs		0.00		0.00	0.00			0.00	0.00
2.2.5	Pipe Insulation for Suction Line, 6ft/lg	27	lgs		0.00		0.00	0.00			0.00	0.00
2.2.6	Pipe Insulation for Discharge Line, 6ft/lg	27	lgs		0.00		0.00	0.00			0.00	0.00
2.2.7	Polyethylene Film Cladding, 4" (white tape)	8	rolls		0.00		0.00	0.00			0.00	0.00
2.3	Electrical Works											
2.3.1	1/2inØ PVC Conduit	46	lgs		0.00		0.00	0.00			0.00	0.00
2.3.2	1/2inØ Liquid Tight Flexible Conduit	16	mtrs		0.00		0.00	0.00			0.00	0.00
2.3.3	Fittings and other accessories	1	lot		0.00		0.00	0.00			0.00	0.00
2.3.4	Communication Wiring, Royal Cord #14, 4-Core	50	mtrs		0.00		0.00	0.00			0.00	0.00
2.3.5	Grounding Wire, 2.0mm² Ø THHN Wire, Lead-Free	88	mtrs		0.00		0.00	0.00			0.00	0.00
2.3.6	Feeder Line, 5.5mm² Ø THHN Wire, Lead-Free	176	mtrs		0.00		0.00	0.00			0.00	0.00
2.3.7	ECB 40AT, 2P, 18kAIC, 230V, NEMA 3R Enclosure, Bolt-on, Surface Mounted, Industrial Type	4	sets		0.00		0.00	0.00			0.00	0.00
2.4	Other Works to Complete the Installation											
2.4.1	Platform and Mounting Brackets for both units and Supports for both units and refrigerant lines 2.4.1a. 50 x 50 x 3mm Thick Angle Bar 2.4.1b. Threaded Rod with Clamp 2.4.1c. Welding Rod 2.4.1d. Nuts and Bolts 2.4.1e. Neoprene Pads 2.4.1f. Supports 2.4.1g. Others to complete the installation	1	lot		0.00		0.00	0.00			0.00	0.00
2.4.2	Nitrogen Gas and Flushing Agents	1	lot		0.00		0.00	0.00			0.00	0.00
2.4.3	Welding works including appropriate supports, fittings and other consumables	1	lot		0.00		0.00	0.00			0.00	0.00
2.4.4	PVC Drain	1	lot		0.00		0.00	0.00			0.00	0.00
2.4.5	Testing and Commissioning	1	lot		0.00		0.00	0.00			0.00	0.00
2.4.6	Miscellaneous items and services	1	lot		0.00		0.00	0.00			0.00	0.00
	SUB TOTAL				0.00		0.00	0.00				0.00
3.0	Supply, Delivery & Installation of One (1) 1.5HP Wall Mounted Air-Conditioning Unit at the Office of the Branch Head											
3.1	Equipment											
3.1.1	Brand New 1.5HP Wall Mounted Split Air - Conditioner with Horizontal Discharge Air-Cooled Condensing Unit Power Supply: 220-230V, single phase, 60Hz Cooling Capacity Rated: 3.52kW (12000 BTU/Hr) Power Consumption: 1.1 - 1.2kW Maximum piping length: 25 meters Refrigerant: R-410a Compressor Warranty: Five (5) years complete with standard accessories	1	set		0.00		0.00	0.00			0.00	0.00
3.2	Installation Works											
3.2.1	Suction Copper Pipe, for 2HP A/C Unit Hard-drawn, 20ft/length	2	lgs		0.00		0.00	0.00			0.00	0.00
3.2.2	Discharge Copper Pipe, for 2HP A/C Unit Hard-drawn, 20ft/length	2	lgs		0.00		0.00	0.00			0.00	0.00
3.2.3	Copper Tube Fittings	1	lot		0.00		0.00	0.00			0.00	0.00
3.2.4	Refrigerant	2	kgs		0.00		0.00	0.00			0.00	0.00
3.2.5	Pipe Insulation for Suction Line, 6ft/lg	5	lgs		0.00		0.00	0.00			0.00	0.00

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	DIRECT COST				
				(E)	(F) C x E	(G)	(H) C x G	(I) F + H				
(A)	(B)	(C)	(D)	(E)	(F) C x E	(G)	(H) C x G	(I) F + H	(J) % * (F+H)	(K) % x (I + J)	(L) 12% x (I + J + K)	(M) I + J + K + L
	3.2.6 Pipe Insulation for Discharge Line, 6ft/lg	5	lgs		0.00		0.00	0.00			0.00	0.00
	3.2.7 Polyethylene Film Cladding, 4" (white tape)	2	rolls		0.00		0.00	0.00			0.00	0.00
	3.3 Electrical Works											
	3.3.1 1/2inØ PVC Conduit	11	lgs		0.00		0.00	0.00			0.00	0.00
	3.3.2 1/2inØ Liquid Tight Flexible Conduit	4	mtrs		0.00		0.00	0.00			0.00	0.00
	3.3.3 Fittings and other accessories	1	lot		0.00		0.00	0.00			0.00	0.00
	3.3.4 Communication Wiring, Royal Cord #14, 4-Core	9	mtrs		0.00		0.00	0.00			0.00	0.00
	3.3.5 Grounding Wire, 2.0mm² Ø THHN Wire, Lead-Free	27	mtrs		0.00		0.00	0.00			0.00	0.00
	3.3.6 Feeder Line, 5.5mm² Ø THHN Wire, Lead-Free	54	mtrs		0.00		0.00	0.00			0.00	0.00
	3.3.7 ECB 30AT, 2P, 18kAIC, 230V, NEMA 3R Enclosure, Bolt-on, Surface Mounted, Industrial Type	1	set		0.00		0.00	0.00			0.00	0.00
	3.4 Other Works to Complete the Installation											
	3.4.1 Platform for outdoor units, Mounting Brackets and Supports for both units and refrigerant lines	1	lot		0.00		0.00	0.00			0.00	0.00
	3.4.1a. 50 x 50 x 3mm Thick Angle Bar											
	3.4.1b. Threaded Rod with Clamp											
	3.4.1c. Welding Rod											
	3.4.1d. Nuts and Bolts											
	3.4.1e. Neoprene Pads											
	3.4.1f. Supports											
	3.4.1g. Others to complete the installation											
	3.4.2 Nitrogen Gas and Flushing Agents	1	lot		0.00		0.00	0.00			0.00	0.00
	3.4.3 Welding works including appropriate supports, fittings and other consumables	1	lot		0.00		0.00	0.00			0.00	0.00
	3.4.4 PVC Drain	1	lot		0.00		0.00	0.00			0.00	0.00
	3.4.5 Testing and Commissioning	1	lot		0.00		0.00	0.00			0.00	0.00
	3.4.6 Miscellaneous items and services	1	lot		0.00		0.00	0.00			0.00	0.00
	SUB TOTAL				0.00		0.00	0.00				0.00
4.0	Supply, Delivery & Installation of Two (2) 2.5HP Window Type Room Air-Conditioners at the following areas: - Teller Section (RAC 101) - MSS Seating Area (RAC 102)											
	4.1 Equipment											
	4.1.1 Brand New 2.5HP Window Type Room Air-Conditioner with wireless remote control / soft panel	2	sets		0.00		0.00	0.00			0.00	0.00
	Cooling Capacity: 20,800 BTU/hr											
	Refrigerant: R-410a or R-32											
	Energy Efficiency Ratio: 9.8 kJ/h-watt (minimum)											
	Compressor Warranty: Five (5) years											
	Electrical Data: 220V, single phase, 60Hz											
	including necessary electrical wirings, circuit breakers, air-con outlets and conduits											
	SUB TOTAL				0.00		0.00	0.00				0.00
5.0	Dismantling, Relocation and Reinstallation of Four (4) 5TR AC units from existing office to the following areas in the proposed relocation site: - Main Lobby and Info Counter (ACU 102) - Medical Evaluation Center (ACU 103) - Accounts Management Section (ACU 104) - MSS Seating Area (ACU 106)											
	5.1 Equipment											
	5.1.1 5TR Daikin Air-Conditioning Unit including outdoor circuit breaker enclosure and mounting platforms	4	sets		0.00		0.00	0.00			0.00	0.00
	5.2 Installation Works											
	5.2.1 5/8inØ Suction Copper Pipe, Hard-drawn, 20ft/length	14	lgs		0.00		0.00	0.00			0.00	0.00
	5.2.2 3/8inØ Discharge Copper Pipe, Hard-drawn, 20ft/length	14	lgs		0.00		0.00	0.00			0.00	0.00
	5.2.3 Copper Tube Fittings	1	lot		0.00		0.00	0.00			0.00	0.00
	5.2.4 Refrigerant (R-410a)	40	kgs		0.00		0.00	0.00			0.00	0.00
	5.2.5 Pipe Insulation 5/8inØ x 3/4in thick , 6ft/lg	47	lgs		0.00		0.00	0.00			0.00	0.00
	5.2.6 Pipe Insulation 3/8inØ x 3/4in thick , 6ft/lg	47	lgs		0.00		0.00	0.00			0.00	0.00
	5.2.7 Polyethylene Film Cladding, 4" (white tape)	14	rolls		0.00		0.00	0.00			0.00	0.00
	5.3 Electrical Works											
	5.3.1 1/2inØ PVC Conduit	29	lgs		0.00		0.00	0.00			0.00	0.00
	5.3.2 3/4inØ PVC Conduit	51	lgs		0.00		0.00	0.00			0.00	0.00

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS		LABOR & EQPT		TOTAL	MOB./ DEMOB.	MARK-UP	VAT	TOTAL COST
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	DIRECT COST				
(A)	(B)	(C)	(D)	(E)	(F) C x E	(G)	(H) C x G	(I) F + H	(J) % x (F+H)	(K) % x (I + J)	(L) 12% x (I + J + K)	(M) I + J + K + L
	5.3.3 3/4inØ Liquid Tight Flexible Conduit	16	mtrs		0.00		0.00	0.00			0.00	0.00
	5.3.4 Fittings and other accessories	1	lot		0.00		0.00	0.00			0.00	0.00
	5.3.5 Control Wiring, Royal Cord #14, 4-Core	86	mtrs		0.00		0.00	0.00			0.00	0.00
	5.3.6 Grounding Wire, 2.0mm² Ø THHN Wire, Lead-Free	169	mtrs		0.00		0.00	0.00			0.00	0.00
	5.3.7 Feeder Line, 8.0mm² Ø THHN Wire, Lead-Free	507	mtrs		0.00		0.00	0.00			0.00	0.00
	5.4 Other Works to Complete the Installation											
	5.4.1 Mounting of re-utilized platforms and hangers and supports for both units and refrigerant lines	1	lot		0.00		0.00	0.00			0.00	0.00
	5.4.2 Nitrogen Gas and Flushing Agents	1	lot		0.00		0.00	0.00			0.00	0.00
	5.4.3 Welding works including appropriate supports, fittings and other consumables	1	lot		0.00		0.00	0.00			0.00	0.00
	5.4.4 PVC Drain	1	lot		0.00		0.00	0.00			0.00	0.00
	5.4.5 Testing and Commissioning	1	lot		0.00		0.00	0.00			0.00	0.00
	5.4.6 Miscellaneous items and services	1	lot		0.00		0.00	0.00			0.00	0.00
	SUB TOTAL				0.00		0.00	0.00				0.00
					0.00		0.00	0.00				0.00
	TOTAL COST - MECHANICAL WORKS											0.00
TOTAL PROJECT COST												0.00

GENERAL CONDITIONS:

- For uniformity and evaluation purposes, a bidder shall adhere to the herein prescribed format of BOQ, specifically in the formula for computation, given quantity and exclusive pay items. Any deviation from the format shall be a ground for disqualification of bid.
- Fill up all required items/field in the BOQ. Failure to indicate any of the following shall mean outright disqualification since bid is considered Non-responsive:
 - if item is given for free, indicate dash (-), zero (0) or free
- Each bidder shall be provided with hard copy of the BOQ Form (attached in the PBD) and an electronic copy for faster and easier encoding. The hard copy shall serve as the bidder's reference as to completeness of work items, quantity, formula, format, etc. in the BOQ Form considering that the electronic copy is prone to alterations during encoding. Any discrepancy on the contents (specially on the quantity and inclusive pay items) between the hard copy and electronic, the contents of the hard copy shall prevail.
- Bidder are not allowed to include any pay items that were not indicated in the form supplied Bill of Quantities. In instances where necessary work items are inadvertently left out in BOQ Form, a bidder should make a written query to the Bids and Awards Committee so that the same shall be addressed in the Bid Bulletin which will be issued to all participating bidders.
- Bidders shall include in the detailed estimate the breakdown of materials & labor for quantities specified in LOT, SQ.M (unit of measure) in BOQ form
- All documents must be signed, and each and every page thereof must be initialed by the duly authorized representative/s of the Bidder
- Mark-up shall include the following:
 - Overhead expenses such as office expenses, supervision, transportation allowances, and financing costs (Premium on CARI, Bid Security, Performance Security, Surety for advance payment, Warranty bond)
 - Contingencies, Miscellaneous Expenses and Contractor's Profit margin
- It is the responsibility of the Bidder to check the arithmetical computation provided herein.

Submitted by: _____
Name of Bidder/ Company Name

Prepared by: _____
Company Representative
(Signature Over Printed Name)

Address: _____

Telephone No.: _____

Date _____

Section IX. Checklist of Technical and Financial Documents



Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Certificate of Platinum Registration and Membership (Platinum Membership) (all pages);

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 for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within **five (5) years** period prior to the submission and opening of Bids; and
- ☐ (d) Philippine Contractors Accreditation Board (PCAB) License;
or
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;
- ☐ 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;
- ☐ c. List of contractor’s major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **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 audited financial statements, showing, among others, the prospective bidder’s total and current assets and liabilities, stamped “received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- ☐ (i) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC).



Class “B” Documents

- ☐ (j) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

- ☐ (k) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

- ☐ (l) Original of duly signed Bid Prices in the Bill of Quantities; **and**
☐ (m) 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**
☐ (n) Cash Flow by Quarter.

IMPORTANT REMINDERS

- A) Each and every page of the **Bid Forms**, under Section VIII: Checklist of Technical and Financial Documents hereof, shall be signed by the duly authorized representative/s of the Bidder. Failure to do so shall be a ground for the rejection of the bid.
- B) Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the duly authorized representative/s of the Bidder.
- C) Bid documents shall be compiled in a folder/binder with the Annexes properly labeled with tabs/separators.
- D) Bidders shall submit their bids through their duly authorized representative enclosed in separate sealed envelopes, which shall be submitted simultaneously:
- a) The first three individually sealed envelopes shall contain the folder/binder of the Eligibility Requirements and Technical Component of the bid; prepared in three copies labeled as follows:
- Envelop (1): ORIGINAL – Eligibility Requirements and Technical Component
Envelop (2): COPY1 – Eligibility Requirements and Technical Component
Envelop (3): COPY2 – Eligibility Requirements and Technical Component
- b) The next three individually sealed envelopes shall contain the folder/binder of the Financial Component of the bid; prepared in three copies labeled as follows:
- Envelop (4): ORIGINAL – Financial Component
Envelop (5): COPY1 – Financial Component
Envelop (6): COPY2 – Financial Component
- c) Bidders shall enclose, seal and mark the following:
- Envelop (7): Envelope (1) and Envelope (4) enclosed in one sealed envelope marked “ORIGINAL–BID”
- Envelop (8): Envelope (2) and Envelope (5) enclosed in one sealed envelope marked “COPY1–BID”



Envelop (9): Envelope (3) and Envelope (6) enclosed in one sealed envelope marked “COPY2–BID”

- d) Envelopes (7) to (9) shall then be enclosed in a single sealed, signed final/outer envelope/package/box
- e) All envelopes (Envelopes (1) to (9) and the final/outer envelope/package/box) shall indicate the following:
 - addressed to the Procuring Entity’s BAC
 - name and address of the Bidder in capital letters
 - name of the contract/project to be bid in capital letters
 - bear the specific identification/reference code of this bidding process
 - bear a warning “DO NOT OPEN BEFORE...” the date and time for the opening of bids

THE CHAIRPERSON

BIDS AND AWARDS COMMITTEE

2ND FLOOR, SSS MAIN BUILDING

EAST AVENUE, DILIMAN, QUEZON CITY

NAME OF BIDDER : _____

ADDRESS : _____

- E) Bids submitted after the deadline shall only be marked for recording purpose, shall not be included in the opening of bids, and shall be returned to the bidder unopened.
- F) Bidders shall submit a copy of the Authority to Notarize issued by the Regional Trial Court to the Notarial Public.

FORMS

A handwritten signature in blue ink, appearing to be 'H. H. H.', located at the bottom right of the page.

Bid Form for the Procurement of Infrastructure Projects

BID FORM

RENOVATION OF SSS ILIGAN BRANCH OFFICE

Date: _____
Project Identification No.: _____

To: **SOCIAL SECURITY SYSTEM**
East Avenue, Diliman, Quezon City

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

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: (Insert name of contract);
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: (insert information);
- d. The discounts offered and the methodology for their application are: (insert information);
- e. The total bid price includes the cost of all taxes, such as, but not limited to: [specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the 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 allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines 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/conform that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the (Name of Project) of the [Name of the Procuring Entity].
- 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: _____

GPPB Resolution No. 16-2020, dated 16 September 2020



Bid Securing Declaration Form

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

BID SECURING DECLARATION

Project Identification No.: [Insert number]

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

I/We, the undersigned, declare that:

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

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

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

[Jurat]

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

GPPB Resolution No. 16-2020, dated 16 September 2020



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

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

CONTRACT AGREEMENT

THIS AGREEMENT made the ____ day of _____ 20____ between [name and address of PROCURING ENTITY] of the Philippines (hereinafter called “the Entity”) and [name and address of Contractor] (hereinafter called the “Contractor”).

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

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

- b. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

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

- c. Performance Security;
 - d. Notice of Award of Contract; and the Bidder’s conforme thereto; and

- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS, whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

<i>[Insert Name and Signature]</i>	<i>[Insert Name and Signature]</i>
<i>[Insert Signatory's Legal Capacity]</i>	<i>[Insert Signatory's Legal Capacity]</i>
for:	for:
<i>[Insert Procuring Entity]</i>	<i>[Insert Name of Supplier]</i>

Acknowledgment

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

Omnibus Sworn Statement (Revised)

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 documents 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. *[Contractor]* 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]

GPPB Resolution No. 16-2020, dated 16 September 2020



SECRETARY'S CERTIFICATE

I, <NAME OF CORPORATE SECRETARY>, of legal age, <Civil Status>, Filipino citizen and with business at <Company Address>, after being duly sworn, hereby depose and state that:

- 1. I am the Corporate Secretary of <COMPANY NAME>, a Corporation duly organized and existing under and by virtue of the laws of the Philippines, with principal office at <Office Address>.
- 2. As the Corporate Secretary, I have custody and access to the records of the Corporation.
- 3. I am familiar with the facts herein certified and duly authorized to certify the same.
- 4. I hereby certify that during a regular meeting of the Board of Directors of the Corporation held on <Date of Meeting>, at which meeting a quorum was present, the following Resolution/s was/were unanimously passed, approved and adopted:
 - a) RESOLVED that <COMPANY NAME>, authorized and empowered the following to participate in the bidding for the <PROJECT NAME> of the SOCIAL SECURITY SYSTEM:

NAME POSITION/DESIGNATION SIGNATURE

- 1.
- 2.

- b) RESOLVED FURTHER that, if awarded the Contract, the following is/are granted full power and authority to enter into contract with the SOCIAL SECURITY SYSTEM:

NAME POSITION/DESIGNATION SIGNATURE

- 1.
- 2.

- c) RESOLVED FURTHERMORE that, the designated representative/s of the Corporation has/have the full power to perform any and all acts necessary and/or to represent the Corporation as fully and effectively as the Corporation might do if personally present, and hereby satisfying and confirming all the said representative/s shall lawfully do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ____ at <CITY>.

NAME & SIGNATURE of Corporate Secretary

SUBSCRIBE AND SWORN to before me this __ day of ____ at <CITY>, affiant having exhibited to me his/her <Government Issued ID and details [issued by, date and place issued if applicable]>).

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

Performance Securing Declaration (Revised)

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

REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

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

I/We, the undersigned, declare that:

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

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

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

[Jurat]

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



STATEMENT OF ALL ITS ON-GOING GOVERNMENT AND PRIVATE
CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

NAME OF CONTRACT	DATE OF CONTRACT	CONTRACT DURATION	CONTACT PERSON, CONTACT NO., ADDRESS, AND EMAIL ADDRESS	KINDS OF GOODS	AMOUNT OF CONTRACT	VALUE OF OUTSTANDING CONTRACT



STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT SIMILAR TO
THE PROJECT TO BE BID EQUIVALENT TO AT LEAST 50% OF THE ABC
WITH ATTACHED SUPPORTING DOCUMENTS (i.e. P.O/CONTRACTS)

NAME OF CONTRACT	KINDS OF GOODS	AMOUNT OF CONTRACT	CONTACT PERSON, CONTACT NO., ADDRESS, AND EMAIL ADDRESS



Formula in the Computation of NFCC

NAME OF PROJECT

NAME OF COMPANY

NFCC = 15 (Current Assets – Current Liabilities) – Value of All Outstanding Works under On-going Contracts including Awarded Contracts yet to be started)

YEAR	CURRENT ASSETS	CURRENT LIABILITIES
TOTAL		

Value of Outstanding Works under On-going Contracts:

CONTRACT DESCRIPTION	TOTAL CONTRACT AMOUNT AT AWARD	PERCENTAGE OF PLANNED AND ACTUAL ACCOMPLISHMENT	ESTIMATED COMPLETION TIME
TOTAL			

Use additional sheet/s, if necessary

FORMULA:

15 (–) – =
Current Assets minus Current Liabilities minus Total Outstanding Works NFCC

P
NFCC

Prepared and Submitted by:

Signature over Printed Name



(Name of Bank)

COMMITTED LINE OF CREDIT CERTIFICATE

Date:

Social Security System (SSS)
SSS Main Building, East Avenue
Diliman, Quezon City

CONTRACT PROJECT :
COMPANY/FIRM :
ADDRESS :
BANK/FINANCING
INSTITUTION :
ADDRESS :
AMOUNT :

This is to certify that the above Bank/Financing Institution with business address indicated above, commits to provide the (Supplier/Distributor/Manufacturer/Contractor), if awarded the above-mentioned Contract, a credit line in the amount specified above which shall be exclusively used to finance the performance of the above-mentioned contract subject to our terms, conditions and requirements.

The credit line shall be available within fifteen (15) calendar days after receipt by the (Supplier/Distributor/Manufacturer/Contractor) of the Notice of Award and such line of credit shall be maintained until issuance of Certificate of Acceptance by the Social Security System.

This Certification is being issued in favor of said (Supplier/Distributor/Manufacturer/Contractor) in connection with the bidding requirement of (Name of Procuring Entity) for the above-mentioned Contract. We are aware that any false statements issued by us make us liable for perjury.

The committed line of credit cannot be terminated or cancelled without the prior written approval of Social Security System.

Name and Signature of Authorized Financing Institution Office

Office Designation

Concurred by:

Name & Signature of (Supplier/Distributor/Manufacturer/Contractor) Authorized Representative

Official Designation

SUBSCRIBED AND SWORN TO BEFORE ME this day of at Philippines, Affiant exhibited to me his/her competent Evidence of Identity (as defines by the 2004 Rules on Notarial Practice issued on at , Philippines.

NOTARY PUBLIC

Doc No. :
Page No. :
Book No. :
Series of :

(Note: The amount committed should be machine validated in the Certificate itself)



