

PHILIPPINE BIDDING DOCUMENTS

Procurement of GOODS

Government of the Republic of the Philippines

SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF SIX (6) UNITS COLD STORAGE EXPANSION PROJECT

IB No.: DA-RFO 1-2025-GOODS-057

**Sixth Edition
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Glossary of Acronyms, Terms, and Abbreviations

ABC –Approved Budget for the Contract.

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.

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])

CDA - Cooperative Development Authority.

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.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

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]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

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.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

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.

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.

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

INVITATION TO BID FOR THE SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF SIX (6) UNITS COLD STORAGE EXPANSION PROJECT

1. The Department of Agriculture - Regional Field Office 1 (DA-RFO 1), through the GAA FY 2025 intends to apply the sum of **Seventy-Seven Million Two Hundred Eleven Thousand Three Hundred Seventy Pesos and Ninety-Eight Centavos (PhP77,211,370.98)** being the Approved Budget for the Contract (ABC) to payment under the contract for the **SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF SIX (6) UNITS COLD STORAGE EXPANSION PROJECT** with project identification number **DA-RFO-1-2025-GOODS-057**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The DA-RFO 1 now invites bids for the above-mentioned procurement project with the following details and **minimum** specifications, to wit:

PARTICULARS/DESCRIPTIONS			
	Scope of Work	Qty.	Unit
SPL 1	150mm Polyurethane Insulated Panel (Wall, Ceiling, Flooring), Phase Change Material (PCM) Thermal Panel and 40ft Container Van with Banner and Logo	1.00	set
SPL 2	Cooling System (Condensing Unit, Unit Cooler, Temperature Control and Monitoring System, & Duct Pipe Networks)	1.00	set
SPL 3	Solar Power System	1.00	set
SPL 4	Battery System	1.00	set
SPL 5	Wind Power System	1.00	set
SPL 6	Concrete Signage	1.00	lot
SPL 7	Construction of Temporary Facility	1.00	lot
SPL 8	Transformer and Pole	1.00	lot
B.3	Permits and Clearances	1.00	l.s
B.5	Project Billboard/Signboard	1.00	each
B.7	Construction of Safety & Health	2.00	month
B.9	Mobilization/Demobilization	1.00	l.s
800(1)	Clearing and Grubbing	400.00	sq.m
803(1)a	Structure Excavation (Common Soil)	16.64	cu.m
804 (4)	Gravel Fill	17.26	cu.m
900 (1)c2	Structural Concrete (Footings and Slab on Fill)	25.43	cu.m
900 (1)	Structural Concrete (Footing Tie Beam, Column, Girder/Beam)	1.26	cu.m
902 (1)a	Reinforcing Steel (Deformed)	1,524.00	kg
903 (2)	Formworks and Falseworks	11.00	sq.m
1000 (1)	Soil Poisoning	27.00	liter
1010 (2)b	Panel Door	1.89	sq.m
1027 (1)	Cement Plaster Finish	65.00	sq.m
1032 (1)c	Painting Works (Metal Painting)	124.00	sq.m
1046 (2)a2	150mm CHB Non Loading Bearing	45.00	sq.m
1046 (2)a2	Structural Steel (Roof Truss & Framing)	2,674.00	kg
1047 (3)a	Metal Structure Accessories (Anchor Bolts)	256.00	pc

1047 (5)	Metal Structure Accessories (Steel Plates)	354.00	kg
1100 (10)	Conduits, Boxes and Fittings	1.00	l.s
1101 (33)	Wires & Wiring Devices	1.00	l.s
1102 (1)	Panelboard with Main & Branch Breakers	1.00	l.s
1102 (16)	Generator	1.00	set

Supply, delivery, installation and commissioning: sixty-one (61) calendar days upon receipt of Notice to Proceed

Drop-off Points:

PROVINCE	No. of Units
Pangasinan	4
Ilocos Sur	1
Ilocos Norte	1
TOTAL	6

Supply, delivery, installation and commissioning of the goods is required within **sixty-one (61) calendar days** upon receipt of Notice to Proceed. Bidders should have completed, within **two years** from 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.

- 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 (IRR) of Republic Act (RA) 9184.

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.

- Prospective bidders may obtain further information from and inspect the Bidding Documents at the address given below during **office hours** from **8:00 AM to 5:00 PM, Monday to Friday**.

**Department of Agriculture Regional Field Office 1
Aguila Rd., Sevilla, City of San Fernando, La Union**

- A complete set of Bidding Documents may be acquired by interested Bidders from **May 7, 2025 to June 2, 2025** from the address given and websites below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Php50,000.00**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.
- The **DA-RFO 1** will hold a Pre-Bid Conference on **21 May 2025, 9:00 AM** at DA-RFO 1, 5th Floor Conference Room, Aguila Road, Sevilla, City of San Fernando, La Union, which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated above on or before **June 2, 2025, 9:00 AM. Late bids shall not be accepted.**
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. **Bid opening** shall be on **June 2, 2025, 9:00 AM** at DA-RFO 1, 5th Floor Conference Room, Aguila Road, Sevilla, City of San Fernando, La Union. Bids will be opened in the presence of the bidders or their authorized representatives.

10. **ADDITIONAL INSTRUCTIONS TO BIDDERS:**

- a. The bidders or their duly authorized representatives may attend the bid opening;
- b. In case a representative will be attending the Bid Opening, a Special Power of Attorney (SPA), Secretary's Certificate, Board Resolution or any other forms of authorization (notarized), as the case may be, together with the Company-issued Identification Card or any valid ID must be presented upon submission of the bid proposal at the BAC Secretariat. The name/title of the project must be indicated in the authorization or SPA.
- c. Each Bidder shall submit one copy of the first and second components of its Bid. Bidders shall submit their bids with proper index tabbing using the forms specified in the Bidding Documents in two (2) separate sealed bid envelopes, and which shall be submitted simultaneously;

The first component which is the **Technical Eligibility** requirements must be soft-bound, marked with the **name of the contract** and its **IB No., name and address of the bidder**, and enclosed in an envelope, sealed with signature and marked with the name of the contract, name and address of the bidder, addressed to the **BIDS AND AWARDS COMMITTEE (BAC) DA RFO-1 CITY OF SAN FERNANDO, LA UNION**, the specific Identification No. and the warning "**DO NOT OPEN BEFORE...**" the date and time for the bid opening.

The second component being the **Financial Eligibility** requirements can be fastened in a folder, marked with the **name of the contract** and its **IB No., name and address of the bidder**, and enclosed in an envelope, sealed with signature and marked with the name of the contract, name and address of the bidder, addressed to the **BIDS AND AWARDS COMMITTEE (BAC) DA RFO-1 CITY OF SAN FERNANDO, LA UNION**, the specific Identification No. and the warning "**DO NOT OPEN BEFORE...**" the date and time for the bid opening.

The Technical and Financial Requirement each in separate envelopes, shall be enclosed in a mother envelope with the same sealing and markings.

Non-compliance with index tabbings shall not be a ground for outright disqualification or declaration of ineligibility. The improper index tabbings must be duly acknowledged by the bidder/representative and be subject to

the bid evaluation and post-qualification of the Technical Working Group (TWG) as to their substance.

- d. The Technical Specifications of the Project must be duly **SIGNED/COUNTERSIGNED AND SEALED** by a Licensed Agricultural and Biosystems Engineer in accordance with Republic Act 8559 or Republic Act 10915;
 - e. All **documents** in the **Financial Requirements envelope** must be duly signed and/or initialed by the bidder/authorized representative on **EACH AND EVERY PAGE** thereof.
11. The **DA-RFO 1** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and Section 41 of the 2016 Revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:
- DENNIS I. TACTAC, ABE**
Chairperson, Bids and Awards Committee
Department of Agriculture - Regional Field Office 1
Aguila Road, Sevilla, City of San Fernando, La Union
Tel. No. : (072) 242/1045-46, Ext. 07
E-mail add: bacsec@ilocos.da.gov.ph
13. For downloading of Bidding Documents, you may visit the following websites:
DA-RFO 1 Website: <https://ilocos.da.gov.ph/>
PhilGEPS Website: <https://www.philgeps.gov.ph/>

May 6, 2025

Approved:

(Sgd.) GILBERT D. RABARA, DVM
Vice-Chairperson, Bids and Awards Committee

Invitation to Bid Identification No. DA-RFO 1-2025-GOODS-057

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **Department of Agriculture - Regional Field Office 1 (DA-RFO 1)** wishes to receive Bids for the **SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF SIX (6) UNITS COLD STORAGE EXPANSION PROJECT** with identification number **DA-RFO 1-2025-GOODS-057**.

The Procurement Project (referred to herein as “Project”) is composed of **SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF SIX (6) UNITS COLD STORAGE EXPANSION PROJECT** the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **FY 2025** in the amount of **Seventy-Seven Million Two Hundred Eleven Thousand Three Hundred Seventy Pesos and Ninety-Eight Centavos (PhP77,211,370.98)**.

2.2. The source of funding is:

- a. NGA, the General Appropriations Act or Special Appropriations

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 Manuals 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 **IB** 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 verified and accepted the general requirements of this Project, including 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, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, 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. b. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
 - a. For the procurement of Non-Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least **fifty percent (50%)** of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of 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, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

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, **DA-RFO 1 5th Floor Conference Room, Aguila Road, Sevilla, City of San Fernando, La Union** 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 VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **two years** prior to the deadline for the submission and receipt of bids.
- 10.3. 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. Similar to the required authentication above, 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.

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 VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. 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. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and

- iv. The price of other (incidental) services, if any, listed in the **BDS**.
- b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in the **BDS**.

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the 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.
- 13.2. Payment of the contract price shall be made in:
 - a. Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration¹ 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**.
- 14.2. The Bid and bid security shall be valid until **September 30, 2025**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. 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.

¹ In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

If the Procuring Entity allows the submission of bids through online submission 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.

16. Deadline for Submission of Bids

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

17. Opening and Preliminary Examination of Bids

- 17.1. 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.

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

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 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 the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 14 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

19.4. The Project shall be awarded as follows:

Option 1 - One Project having several items, which shall be awarded as one contract.

19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.2. 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

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

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, shall be:</p> <ul style="list-style-type: none"> i. <i>Cold Storage; or</i> ii. <i>Supply, delivery, installation/commissioning of Solar and/or Wind Projects; or</i> iii. <i>Other similar projects;</i> iv. <i>at least 50% of the ABC completed within ten (10) years from the submission of bids (Section 52.4.1.3 of the IRR of RA 12009).</i> v. <i>The bidder is allowed to present a combination of contracts completed within the same period, provided their total value is at least fifty percent (50%) of the ABC</i> <p><i>i. The bidder should have completed at least one (1) similar contract amounting to at least 25% of the ABC; and</i></p> <p><i>ii. The bidder should have completed other contracts, whether similar or not, with an aggregate amount of at least 25% of the ABC.</i></p> <p>b. Completed within <i>ten (10) years</i> prior to the deadline for the submission and receipt of bids.</p>
7.1	<p>Subcontracting is allowed. (Section 7.5)</p> <ul style="list-style-type: none"> a) <i>The subcontracted portion shall not exceed twenty percent (20%) for Goods, and fifty percent (50%) for Infrastructure Projects, or a different percentage on a per project basis as approved by the GPPB.</i> b) <i>Subcontractors must meet the eligibility criteria and shall submit the same eligibility documents as the general contractor.</i> <p><i>The general contractor shall remain liable for the sub-contractors actions, defaults, delays, and negligence</i></p>
12	<p>The price of the Goods shall be quoted DDP[<i>state place of destination</i>]/or the applicable International Commercial Terms (INCOTERMS) for this Project.</p>
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ul style="list-style-type: none"> a. The amount of not less than <u>Php1,544,227.42</u> if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than <u>Php3,860,568.55</u> if bid security is in Surety Bond.
19.3	<p>The project will be awarded as one contract.</p>

20.2	Latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), BIR Registration, and other appropriate licenses and permits required by law.
21.2	<p>The bidder having the Lowest Calculated Bid (LCB) or Single Calculated Bid (SCB) shall submit within a non-extendible period of five (5) calendar days from the BAC Notice as the LCB/SCB, the following documents either hard or soft copy/ies:</p> <ol style="list-style-type: none"> 1. Securities and Exchange Commission (SEC) Registration Certificate for Corporations, partnerships and/or joint ventures, Department of Trade and Industry (DTI) Registration Certificate for sole proprietorship, or Cooperative Development Authority (CDA) Registration Certificate for cooperatives. 2. Valid Mayor's 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. <p>In cases recently expired Mayor's/Business Permits, it shall be accepted together with the official receipt as proof that the bidder has applied for the renewal within the period prescribed by the concerned local government unit;</p> <ol style="list-style-type: none"> 3. Valid Tax Clearance Certificate per Executive Order No. 398, series of 2005, as finally reviewed and approved by the BIR; 4. Latest AFS stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year. In case the AFS for the preceding calendar year is not yet available, said AFS should not be earlier than two (2) years from the deadline for the submission and receipt of bids. 5. Latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (Efps) in accordance with Executive Order No 398, Revenue Regulation No 03-2005 and Revenue Memorandum Circular 16-2005, the above-mentioned tax returns shall refer to the following <ol style="list-style-type: none"> 5.1 Latest Income Tax Return (ITR) shall be the ITR for the preceding year, whether calendar or fiscal, and 5.2 Latest Business Tax Returns shall refer to the Value Added Tax (VAT) or Percentage Tax filed and paid covering the previous six (6) months before the date of Submission, receipt, Opening and Preliminary Examination of Bids. 6. Certificate of Availability of Stocks if available at stock room/ warehouse or Commitment to Deliver with supporting documents;

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.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder 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 of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section VII (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 5.1 In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 5.2 The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

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

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause																									
1	<p><i>[List here any additional requirements for the completion of this Contract. The following requirements and the corresponding provisions may be deleted, amended, or retained depending on its applicability to this Contract.]</i></p> <p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>Supply, delivery, installation and commissioning: sixty-one (61) calendar days upon receipt of Notice to Proceed</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered <i>[indicate place of destination]</i>. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered <i>[refer abovementioned]</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <table><tr><th>Item No.</th><th>Item Description</th><th>Qty.</th><th>Unit</th><th>Total Cost</th><th>Completion and Delivered, Weeks/Months</th></tr><tr><td>1</td><td>Cold Storage Expansion Project</td><td>6</td><td>units</td><td>77,211,370.98</td><td>sixty-one (61) calendar days upon receipt of Notice to Proceed</td></tr></table> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <i>[indicate name(s)]</i>.</p> <table><tr><th colspan="2">Drop-off Points:</th></tr><tr><th>PROVINCE</th><th>No. of Units</th></tr><tr><td>Pangasinan</td><td>4</td></tr><tr><td>Ilocos Sur</td><td>1</td></tr><tr><td>Ilocos Norte</td><td>1</td></tr><tr><td>TOTAL</td><td>6</td></tr></table>	Item No.	Item Description	Qty.	Unit	Total Cost	Completion and Delivered, Weeks/Months	1	Cold Storage Expansion Project	6	units	77,211,370.98	sixty-one (61) calendar days upon receipt of Notice to Proceed	Drop-off Points:		PROVINCE	No. of Units	Pangasinan	4	Ilocos Sur	1	Ilocos Norte	1	TOTAL	6
Item No.	Item Description	Qty.	Unit	Total Cost	Completion and Delivered, Weeks/Months																				
1	Cold Storage Expansion Project	6	units	77,211,370.98	sixty-one (61) calendar days upon receipt of Notice to Proceed																				
Drop-off Points:																									
PROVINCE	No. of Units																								
Pangasinan	4																								
Ilocos Sur	1																								
Ilocos Norte	1																								
TOTAL	6																								

Incidental Services –

The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:

Select appropriate requirements and delete the rest.

- a. furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- b. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods (manufacturer's standard manual);
- c. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time (with warranty of 1 year to be reckoned from date of delivery) agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- d. Additional Requirements of the contract:
 - 10% shall be subjected to acceptance testing upon completion of delivery of the units

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

Select appropriate requirements and delete the rest.

1. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
2. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the costs thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for during the warranty period.

	<p>Spare parts or components shall be supplied as promptly as possible, but in any case, within <i>[insert appropriate time period]</i> months of placing the order.</p>
	<p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p>
	<p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Drop-off Point, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights –</p>

	The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	The terms of payment shall be as follows: - Full payment upon completion of delivery
4	The inspections and tests that will be conducted are as follows: - Inspection will be conducted by concerned DA- RFO I inspector

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item No.	Item Description	Qty.	Unit	Total Cost	Delivered, Weeks/Months
1	Cold Storage Expansion Project	6	units	77,211,370.98	sixty-one (61) calendar days upon receipt of Notice to Proceed

Section VII. Technical Specifications

Technical Specifications

Item	Specification			Statement of Compliance
	SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF SIX (6) UNITS COLD STORAGE EXPANSION PROJECT			<p><u>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment/goods offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate:</u></p> <p>* Brochures/Pictures</p> <p><u>A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</u></p>
	Scope of Work	Qty	Unit	
SPL 1	150mm Polyurethane Insulated Panel (Wall, Ceiling, Flooring), Phase Change Material (PCM) Thermal Panel and 40ft Container Van with Banner and Logo	1.00	set	
SPL 2	Cooling System (Condensing Unit, Unit Cooler, Temperature Control and Monitoring System, & Duct Pipe Networks)	1.00	set	

SPL 3	Solar Power System	1.00	set	
SPL 4	Battery System	1.00	set	
SPL 5	Wind Power System	1.00	set	
SPL 6	Concrete Signage	1.00	lot	
SPL 7	Construction of Temporary Facility	1.00	lot	
SPL 8	Transformer and Pole	1.00	lot	
B.3	Permits and Clearances	1.00	l.s	
B.5	Project Billboard/Signboard	1.00	each	
B.7	Construction of Safety & Health	2.00	month	
B.9	Mobilization/Demobilization	1.00	l.s	
800(1)	Clearing and Grubbing	400.00	sq.m	
803(1)a	Structure Excavation (Common Soil)	16.64	cu.m	
804 (4)	Gravel Fill	17.26	cu.m	
900 (1)c2	Structural Concrete (Footings and Slab on Fill)	25.43	cu.m	
900 (1)	Structural Concrete (Footing Tie Beam, Column, Girder/Beam)	1.26	cu.m	
902 (1)a	Reinforcing Steel (Deformed)	1,524.00	kg	
903 (2)	Formworks and Falseworks	11.00	sq.m	
1000 (1)	Soil Poisoning	27.00	liter	
1010 (2)b	Panel Door	1.89	sq.m	
1027 (1)	Cement Plaster Finish	65.00	sq.m	
1032 (1)c	Painting Works (Metal Painting)	124.00	sq.m	
1046 (2)a2	150mm CHB Non Loading Bearing	45.00	sq.m	
1046 (2)a2	Structural Steel (Roof Truss & Framing)	2,674.00	kg	
1047 (3)a	Metal Structure Accessories (Anchor Bolts)	256.00	pc	
1047 (5)	Metal Structure Accessories (Steel Plates)	354.00	kg	

1100 (10)	Conduits, Boxes and Fittings	1.00	l.s	
1101 (33)	Wires & Wiring Devices	1.00	l.s	
1102 (1)	Panelboard with Main & Branch Breakers	1.00	l.s	
1102 (16)	Generator	1.00	set	

		Statement of Compliance
Supply, delivery, installation and commissioning: sixty-one (61) calendar days upon receipt of Notice to Proceed		
Drop-off Points:		
PROVINCE	No. of Units	
Pangasinan	4	
Ilocos Sur	1	
Ilocos Norte	1	
TOTAL	6	

Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) **in accordance with Section 8.5.2 of the IRR;**

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 the relevant period as provided in the Bidding Documents; **and**
- ☐ (d) 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**
- ☐ (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- ☐ (f) 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

- ☐ (g) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC) **or** A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class “B” Documents

- ☐ (h) If applicable, a duly signed joint venture agreement (JVA) 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

- ☐ (i) Original of duly signed and accomplished Financial Bid Form; **and**
- ☐ (j) Original of duly signed and accomplished Price Schedule(s)

Other documentary requirements under RA No. 9184 (as applicable)

- ☐ (k) *[For foreign bidders claiming by reason of their country’s extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- ☐ (l) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.





Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING



SRA Compound, Annex II Building Ext.
North Avenue, Diliman, Quezon City

PROPOSED COLD STORAGE EXPANSION PROJECT

COLD STORAGE DESIGN NOTES

1. THE MAXIMUM DESIGN CAPACITY OF CHILLER ROOM IS 15 TONS WITH A PRODUCT ENTERING TEMPERATURE OF 28°C AND STORAGE TEMPERATURE OF +1°C TO +10°C. HOWEVER, THE CAPACITY MAYBE REDUCED DEPENDING ON THE BULK DENSITY OF THE COMMODITY STORED.
2. THE INSULATION TYPE USED IN THE DESIGN IS POLYURETHANE WITH A THICKNESS OF 150MM.
3. THE ROOM SHALL HAVE PVC PLASTIC CURTAIN ATTACHED ON THE DOORS TO PREVENT EXCESSIVE LOSS OF COLD AIR INSIDE THE ROOM.
4. THE ROOM HAS DEDICATED REFRIGERATION SYSTEM WHICH COMPOSED OF COMPRESSOR (CAPACITY: 3.0KW), CONDENSING UNIT (CAPACITY: 5.54KW), EVAPORATING UNIT (CAPACITY: 3KW), TEMPERATURE CONTROL AND MONITORING SYSTEMS, AS WELL AS THE DUCTING NETWORKS.
- 5* THESE ASSUMPTIONS SHALL BE USED BY THE ENGINEERS AS REFERENCE FOR THEIR DESIGN. ANY DEVIATION FROM THIS DESIGN SHALL BE RECOMPUTED ACCORDINGLY. MOREOVER, THE SPECIFIC COMMODITY/IES USED FOR THE DESIGN SHALL BE SPECIFIED TO PROPERLY DESIGN THE REQUIRED REFRIGERATION LOAD CAPACITY.

SOLAR POWER DESIGN NOTES

1. THE FACTOR USED TO DESIGN THE SOLAR POWER OF THE MODULAR COLD STORAGE FACILITY IS 1.65 OF THE TOTAL REQUIRED POWER OF THE FACILITY.
2. THE FACTOR USED TO DESIGN THE SOLAR INVERTER FOR THE FACILITY IS 1.25 OF THE TOTAL REQUIRED POWER OF THE FACILITY.
3. THE ANGLE OF INCLINATION FOR THE SOLAR MOUNTING STRUCTURE IS RECOMMENDED TO BE BETWEEN 10° TO 15° FACING SOUTH DIRECTION.
4. THESE ASSUMPTIONS SHALL BE USED BY THE ENGINEERS AS REFERENCE FOR THEIR DESIGN. ANY DEVIATION FROM THIS DESIGN SHALL BE RECOMPUTED ACCORDINGLY.

WIND POWER DESIGN NOTES

1. A 3KW WIND POWER OUTPUT CAPACITY IS USED IN THE FACILITY TO PROVIDE ADDITIONAL POWER TO THE FACILITY. MOREOVER, THE MINIMUM HEIGHT OF THE MOUNTING POST FOR THE WIND TURBINE IS 5 METERS FROM THE GROUND. ALSO, THE MINIMUM START-UP WIND SPEED OF THE WIND TURBINE IS AT LEAST 3M/S. FURTHERMORE, THE ASSUMED CONTINUOUS OPERATION OF THE TURBINE IS 8 HOURS.
2. THESE ASSUMPTIONS SHALL BE USED BY THE ENGINEERS AS REFERENCE FOR THEIR DESIGN. ANY DEVIATION FROM THIS DESIGN SHALL BE RECOMPUTED ACCORDINGLY.

ELECTRICAL DESIGN NOTES

1. THE DESIGN TOTAL POWER REQUIREMENT FOR THE CHILLER ROOM IS 10.5 KVA. IN REFERENCE TO THIS, THE CAPACITY OF STANDBY DIESEL GENERATOR TO BE USED IS 10KW. MOREOVER, THE GENERATOR IS USED AS REDUNDANCY BACK-UP POWER IN CASE OF ELECTRICAL POWER INTERRUPTION FROM THE POWER SUPPLY.
2. THESE ASSUMPTIONS SHALL BE USED BY THE ENGINEERS AS REFERENCE FOR THEIR DESIGN. ANY DEVIATION FROM THIS DESIGN SHALL BE RECOMPUTED ACCORDINGLY.

STRUCTURAL AND CONSTRUCTIONS NOTES

1. IN THE INTERPRETATION OF THE DRAWING, INDICATED DIMENSIONS SHALL GOVERN WHEREIN THE MEASUREMENTS ARE IN MILLIMETERS (MM) UNLESS SPECIFIED DIMENSIONAL UNIT IS SHOWN IN THE PLAN. MOREOVER, THE IDENTIFICATION OF ACTUAL DISTANCES AND SIZES IN THE PLAN THROUGH SCALED MEASUREMENT IS NOT APPLICABLE.
2. IN REFERENCE TO OTHER DRAWINGS, SEE ARCHITECTURAL DRAWINGS FOR DEPRESSIONS IN FLOOR SLABS, OPENINGS IN THE WALLS AND SLABS, INTERIOR PARTITIONS, LOCATION OF DRAINS ETC.
3. IN CASE OF DISCREPANCIES AS TO THE LAYOUT, DIMENSIONS, AND ELEVATIONS BETWEEN THE STRUCTURAL PLANS, AND ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL NOTIFY BOTH THE DESIGN ENGINEER AND THE PROJECT ENGINEER OF THE REGIONAL IMPLEMENTING OFFICE.
4. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH THE ACI 318-05 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND ALL STRUCTURAL STEEL WORK ACCORDING WITH AISC SPECIFICATION (9th EDITION) IN SO FAR AS THEY DO NOT CONFLICT WITH THE LOCAL BUILDING CODE REQUIREMENT.
- 5* ACI REFERS TO AMERICAN CONCRETE INSTITUTE, AISC TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION AND ASTM TO AMERICAN SOCIETY FOR TESTING MATERIALS.
- 6* CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
7. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS IRON, PRE-CAST CONCRETE, ETC. SHALL BE SUBMITTED FOR ENGINEERS APPROVAL BEFORE FABRICATION.
8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENTS AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
9. ALL RESULTS OF MATERIAL TESTING FOR CONCRETE, REINFORCING BARS, & STRUCTURAL STEEL MUST BE NOTED & APPROVED BY DESIGN ENGINEER, PROJECT ENGINEER, AND THE HEAD OF DA REGIONAL IMPLEMENTING OFFICE.

NOTES ON CONCRETE MIXES & PLACING

1. ALL CONCRETE SHALL DEVELOP A MIN. COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS W/ CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMPS AS FOLLOWS

LOCATION	28 DAYS STRENGTH	MAX. SIZE OF MAX. SLUMP AGGREGATE
ALL OTHERS, INCLUDING SUSPENDED SLABS,	4000 PSI (27.6 MPa)	20mm 100mm
COLUMNS	4000 PSI (27.6 MPa)	20mm 100mm
BEAMS, SLABS	4000 PSI (27.6 MPa)	20mm 100mm
SLAB ON FILL	4000 PSI (27.6 MPa)	20mm 100mm
2. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS

SUSPENDED SLABS	20mm
SLAB ON GRADE	40mm
WALLS ABOVE GRADE	25mm
BEAM STIRRUPS AND COLUMN TIES	40mm
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS	50mm
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	75mm
3. CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION. RE-HAND LIND OR PLACING SHALL BE DONE PREFERABLY WITH BUEGGES, BUCKETS OR WHEELBARROWS. NO CHUTES WILL BE ALLOWED EXCEPT TO TRANSFER CONCRETE FROM HOPPERS TO BUEGGES, WHEELBARROWS OR BUCKETS IN WHICH CASE THEY SHALL NOT EXCEED SIX (6) METERS IN AGGREGATE LENGTH.
4. NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING BY THE DESIGNERS AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATIONS ARE EXTREMELY DIFFICULT TO ACCOMPLISH.
5. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
6. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

7. STRIPPING OF FORMS AND SHORES:

FOUNDATION	24 HRS @
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8 DAYS
WALLS	21 DAYS
BEAMS	14 DAYS
COLUMNS	21 DAYS

8. THE CONTRACTOR SHALL SUBMIT THE SCHEDULE OF POURING AND THE LOCATION OF THE CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER AT LEAST (4) DAYS PRIOR TO THE POURING FOR APPROVAL.

9. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE FORMS AND SHORINGS UNTIL THE CONCRETE MEMBERS HAVE ATTAINED THEIR WORKING CONDITION AND STRENGTH.

NOTES ON FOOTINGS

1. FOOTINGS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 90 kPa (1870 psf). HOWEVER, THE DESIGN ENGINEER SHALL VERIFY THE ACTUAL SOIL CONDITION OF THE SITE AND CONFIRM ACTUAL BEARING CAPACITY OF SOIL TO PROPERLY ADJUST THE DEPTH AND DIMENSIONS OF FOOTINGS.
2. FOOTING SHALL REST AT LEAST 600mm BELOW NATURAL GRADE LINE UNLESS OTHERWISE INDICATED IN PLANS. NO FOOTING SHALL REST ON FILL.
3. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENTS SHALL BE 75 mm CLEAR FOR CONCRETE DEPOSITED THE GROUND AND 50mm FOR CONCRETE DEPOSITED AGAINST A FORMWORK.

DESIGN LOADS

1. WIND
 - a. WIND SPEED: 315KM/HR
 - b. OCCUPANCY CATEGORY: MISCELLANEOUS STRUCTURES (BASED ON NSCP 2015)
 - c. EXPOSURE CATEGORY: EXPOSURE B (URBAN AND SUB URBAN AREAS)
 - d. TYPE OF BUILDING: OPEN BUILDING
2. SEISMIC
 - a. DISTANCE TO ACTIVE FAULT: <10KM
 - b. SEISMIC ZONE: ZONE 4
 - c. SOIL TYPE: STIFF SOIL PROFILE (SD)

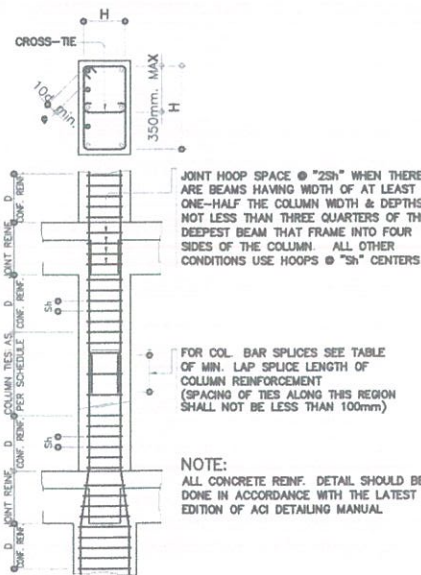
NOTES ON REINFORCEMENT

1. UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:

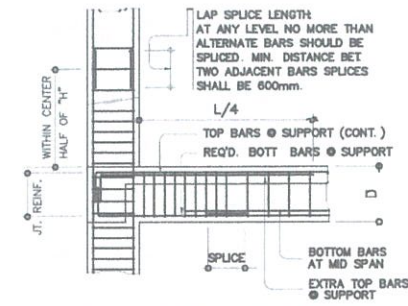
A. FOOTINGS, FOOTING BEAMS, ORDERS	$f_y = 275 \text{ MPa}$ (40,000 psi)
B. COLUMNS AND SHEAR WALLS	$f_y = 275 \text{ MPa}$ (40,000 psi)
C. BEAMS AND ORDER	$f_y = 275 \text{ MPa}$ (40,000 psi)
D. NON-LOAD BEARING WALL PARTITIONS, BEDDED SLABS, FLOOR & ROOF SLABS, PARAPETS, CATCH BASIN, SIDE WALK	$f_y = 2275 \text{ MPa}$ (33,000 psi)
2. ALL REINFORCING BARS SIZE 10mm OR LARGER SHALL BE DEFORMED IN ACCORDANCE WITH ASTM A 706.
3. SPLICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE W/ TABLE A & TABLE B (TABLE OF LAP SPICE & ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS. SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.

NOTES ON COLUMNS

1. PROVIDE EXTRA SETS OF TIES AT 100mm OC. TIED COLUMN REINFORCEMENT ABOVE AND BELOW BEAM-COLUMN CONNECTIONS FOR A DISTANCE FROM FACE OF CONNECTION EQUAL TO THE GREATER OF THE OVERALL THICKNESS OF COLUMN, 1/8 THE CLEAR HEIGHT OF COLUMN OR 450mm.
2. COLUMN TIES SHALL BE PROTECTED EVERYWHERE BY A COVERING OF CONCRETE CAST MONOLITHICALLY WITH THE CORE WITH THE MINIMUM THICKNESS OF 40mm AND NOT LESS THAN 40 TIMES THE MAXIMUM SIZE OF COARSE AGGREGATE IN MILLIMETERS.
3. WHERE COLUMNS CHANGE IN SIZE, VERTICAL REINFORCEMENTS SHALL BE OFFSET AT A SLOPE OF NOT MORE THAN 1 IN 6 AND EXTRA 10mm TIES AT 100mm SHALL BE PROVIDED THRU OUT THE OFFSET REGION.
4. UNLESS OTHERWISE INDICATED IN THE PLANS, LAP SPLICES FOR VERTICAL COLUMN REINFORCEMENT SHALL BE MADE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPLICE LENGTH SHALL NOT BE LESS THAN 40 BAR DIAMETERS. WELDING OR APPROVED MECHANICAL DEVICES MAY BE USED PROVIDED THAT NOT MORE THAN ALTERNATE BARS ARE WELDED OR MECHANICALLY SPLICED AT ANY LEVEL AND THE VERTICAL DISTANCES BETWEEN THESE WELDS OR SPLICES OF ADJACENT BARS IS NOT LESS THAN 600mm.



TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING



TYP. DETAIL OF COL LAP SPICE & EXT. GIRDER TO COL. CONNECT

NOTES ON BEAMS AND GIRDERS

1. UNLESS, OTHERWISE NOTED IN PLANS, CAMBER ALL BEAMS AND GIRDER AT LEAST 6mm FOR EVERY 4.5M OF SPAN, EXCEPT CANTILEVERS OR WHICH THE CAMBER SHALL BE AS NOTED IN PLANS OR AS ORDERED BY THE ENGINEER BUT IN NO CASE LESS THAN 20mm FOR EVERY 30M OF FREE SPAN.
2. TYPICAL BARS BENDING AND CUTTING DETAILS FOR BEAMS SHALL BE AS SHOWN IN FIG B-1.

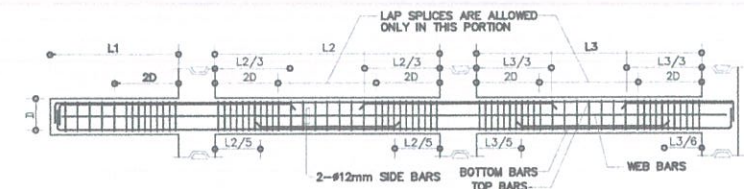


FIG. B-1

TABLE 'A' TENSION BARS EMBEDMENT LENGTHS AND LAPPED SPLICES IN MILLIMETERS				TABLE 'B' COMPRESSION BARS EMBEDMENT LENGTHS AND LAPPED SPLICES IN MILLIMETERS			
BAR SIZE (DEFORMED)	$f_c = 20.8 \text{ MPa}$ (3000 psi)	$f_c = 27.6 \text{ MPa}$ (4000 psi)	$f_c = 34.5 \text{ MPa}$ (5000 psi)	BAR SIZE (DEFORMED)	$f_c = 20.8 \text{ MPa}$ (3000 psi)	$f_c = 27.6 \text{ MPa}$ (4000 psi)	$f_c = 34.5 \text{ MPa}$ (5000 psi)
10mm #	300	300	300	10mm #	225	300	300
12mm #	300	300	300	12mm #	275	300	290
16mm #	300	400	300	16mm #	350	400	325
20mm #	400	550	350	20mm #	400	500	475
25mm #	600	800	550	25mm #	550	625	550
28mm #	750	1000	650	28mm #	625	675	625
32mm #	950	1300	850	32mm #	700	775	700

NOTE: TOP PLAIN BARS, MULTIPLY VALUE BY 2

NOTE: TOP PLAIN BARS, MULTIPLY VALUE BY 2
VALUES GIVEN ABOVE CAN ALSO BE USED FOR COLUMNS

3. IF THE BEAM REINFORCING BARS END IN A WALL THE CLEAR DISTANCE FROM THE BAR TO THE FARTHER FACE OF THE WALL, NOT BE LESS THAN 25 mm. EMBEDMENT LENGTH SHALL BE AS SHOWN IN A TABLE 'A' FOR TENSION BARS AND TABLE 'B' FOR COMPRESSION BARS UNLESS SPECIFIED IN PLAN. TOP BAR SHALL NOT BE SPLICED WITHIN THE COLUMN OR WITHIN A DISTANCE TWICE THE MEMBER DEPTH FROM THE FACE OF THE COLUMN AT LEAST TWO STIRRUPS SHALL BE PROVIDED AT ALL SPLICES.
4. IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USE 25 mm # BAR SEPARATORS SPACED AT 100 mm ON CENTER. IN NO CASE SHALL THERE BE LESS THAN TWO (2) SEPARATORS BETWEEN TWO LAYERS OF BARS.
5. MINIMUM CONCRETE PROTECTION FOR REINFORCING BARS OR STEEL SHAPES SHALL BE AS SHOWN IN FIG B-2 UNLESS SPECIFIED ELSEWHERE.

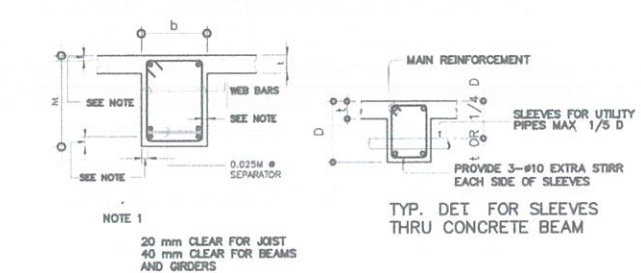


FIG. B-2

FIG. B-3

6. WHEN A BEAM CROSSES A GIRDER, REST BEAM ON TOP OF GIRDER BARS, BEAM REINFORCING BAR SHALL BE SYMMETRICAL ABOUT CENTER LINE WHENEVER POSSIBLE.
7. GENERALLY NO SPLICES SHALL BE PERMITTED AT POINTS WHERE CRITICAL BENDING STRESSES OCCUR. SPLICES WHERE SO PERMITTED SHALL BE INDICATED IN THE TABLE 'A' AND 'B'. WELDED SPLICES SHALL DEVELOP IN TENSION AT LEAST 125 % OF THE SPECIFIED YIELD STRENGTH OF THE BAR. NOT MORE THAN 50% OF THE BARS AT ANY ONE SECTION IS ALLOWED TO BE SPLICED THEREIN.

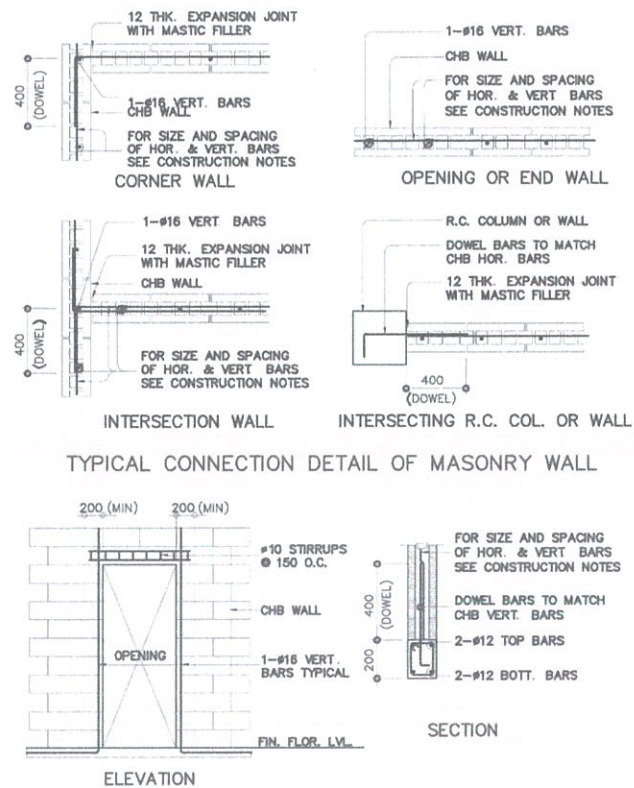
NOTES ON CONCRETE HOLLOW BLOCK WALLS

- UNLESS OTHERWISE SHOWN IN PLANS ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.
- PROVIDE 150mm x 300mm STIFFENER COLUMN REINFORCED WITH 4-12mm WITH 6mm# TIES AT 150mm ON CENTER WHERE CONCRETE HOLLOW BLOCK TERMINATES AND AT EVERY 3.0M LENGTH OF CONCRETE HOLLOW BLOCK WALLS UNLESS NOTED IN STRUCTURAL PLANS.

BLOCK THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
75 mm	10mm# @ 600mm o.c.	10mm# @ 600mm o.c.	A. MINIMUM LAPS AT SPICE = 0.25 M B. PROVIDE RIGHT ANGLED REINFORCEMENT AT CORNERS 90°M LONG
125 mm	10mm# @ 600mm o.c.	10mm# @ 600mm o.c.	C. WHERE CHB OR CER. BLK WALL DOWELS JOIN COL. RC. BEAMS AND WALL DOWELS WITH THE SAME SIZE AS VERT. OR HOR REINFORCEMENTS SHALL BE PROVIDED
150 mm	10mm# @ 600mm o.c.	10mm# @ 600mm o.c.	
200 mm	12mm# @ 600mm o.c.	12mm# @ 600mm o.c.	

REINFORCING CONCRETE LINTEL BEAM IN CONCRETE BLOCK WALLS

CLEAR SPAN (L)	TOTAL LENGTH (L+0.40M)	MIN. H _c (MPa)	HEIGHT OF LINTEL (MM)	REINFORCEMENT		
				BOTTOM	TOP	STIRRUPS
1.20M	1.60M	14.0	200	1-#10	1-#10	#6mm @ 200mm
1.50M	1.90M	14.0	200	1-#10	1-#10	#6mm @ 200mm
1.80M	2.20M	14.0	200	1-#10	1-#10	#6mm @ 200mm
2.10M	2.50M	17.0	250	1-#12	1-#10	#6mm @ 200mm
2.40M	2.80M	17.0	250	1-#12	1-#10	#6mm @ 200mm
2.70M	3.10M	17.0	250	1-#12	1-#10	#6mm @ 200mm
3.00M	3.40M	20.0	300	1-#16	1-#12	#10mm @ 200mm
3.30M	3.70M	20.0	300	1-#16	1-#12	#10mm @ 200mm
3.60M	4.00M	20.0	300	1-#16	1-#12	#10mm @ 200mm



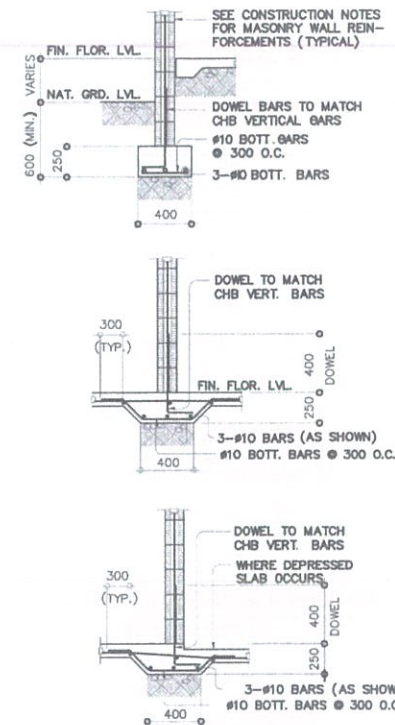
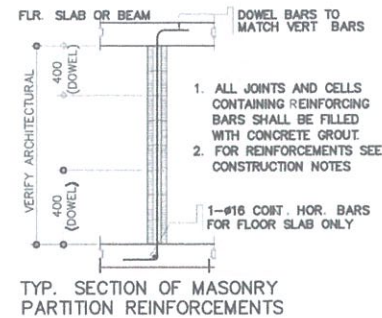
TYP. DET OF LINTEL BEAM AT CHB WALL OPENING

NOTES ON STRUCTURAL STEEL

- STRUCTURAL STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISION OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING LATEST EDITION.
- ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 STRUCTURAL STEEL UNLESS OTHERWISE INDICATED.
- ALL WELDED CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF THE MEMBERS CONNECTED.
- UNLESS OTHERWISE SPECIFIED ALL WELDING RODS SHALL CONFORM AWS E60 ELECTRODES
- ALL BOLTS USED UNLESS OTHERWISE SPECIFIED SHALL BE ASTM A 307 BOLTS.

NOTES ON WELDS

- USE E60xx ELECTRODES FOR ALL MEMBERS WELDED.
- WELDS SHALL DEVELOP THE FULL STRENGTH OF MEMBERS JOINED UNLESS OTHERWISE SHOWN OR DETAILED IN THE DRAWINGS



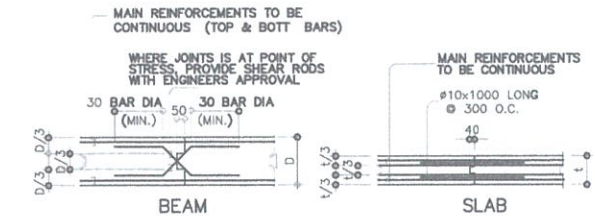
TYPICAL CHB FOOTING DETAILS (WHERE APPLICABLE)

NOTES ON EMBEDDED PIPES

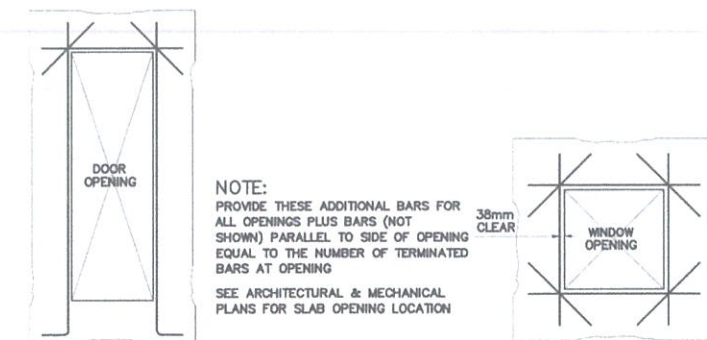
- ALL EMBEDDED PIPES FOR UTILITIES, ETC THAT PASS THRU BEAMS SHALL NOT EXCEED 100mm IN DIAMETER OR 1/3 BEAM DEPTH WHICHEVER IS LESS, UNLESS OTHERWISE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER
- NO PIPES SHALL BE ALLOWED TO PASS THRU BEAMS VERTICALLY
- NO PIPES SHALL BE EMBEDDED IN COLUMNS.

NOTES ON CONSTRUCTION JOINTS IN CONCRETE

- WHERE A CONSTRUCTION JOINT IS TO BE MADE, THE SURFACE OF CONCRETE SHALL BE CLEANED AND ALL LAITANCE AND STANDING WATER REMOVED. SHEAR KEY SHALL BE PROVIDED AT THE JOINT



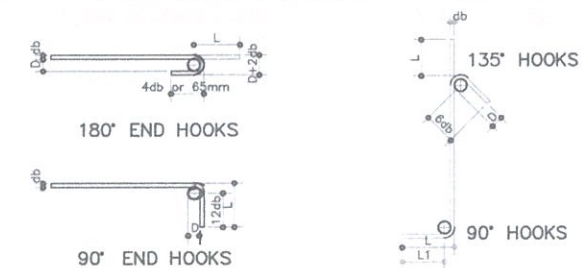
TYPICAL SLAB & BEAM CONSTRUCTION JOINT DET.



TYP. EXTERIOR WINDOW & DOOR OPENING

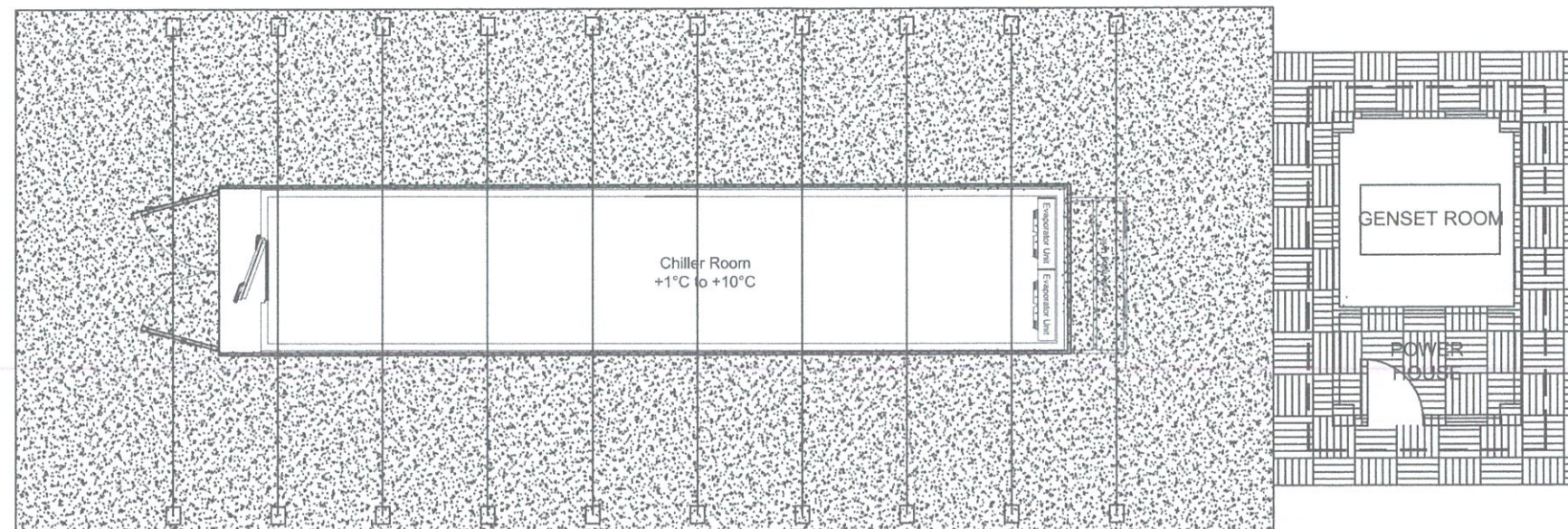
NOTES OF STIRRUPS

- ALL REINFORCEMENT SHALL BE BENT COLD UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.
- REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FILLED BENT, EXCEPT AS SHOWN IN THE DESIGN DRAWINGS OR PERMITTED BY THE STRUCTURAL ENGINEER.
- TIES & CLOSE STIRRUPS MUST BE BENT AT 135°



BAR SIZE (DEFORMED)	DIAMETER (mm)	180° HOOK	90° HOOK
		D+2db	L
10mm #	60	75	125
12mm #	75	100	150
16mm #	95	125	175
20mm #	115	150	200
25mm #	150	200	230
28mm #	240	300	350
32mm #	300	335	450

BAR SIZE (DEFORMED)	DIAMETER (mm)	180° HOOK	90° HOOK
		D+2db	L
10mm #	40	125	85
12mm #	50	165	115
16mm #	65	200	140
20mm #	115	250	165
25mm #	150	365	230



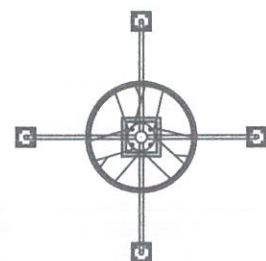
LEGENDS

REPRESENTATION	DESCRIPTION
	NORTH
	3kW VERTICAL AXIS WIND TURBINE
	150mm PCCP
	100mm PCCP
	ROOF LINE



SITE DEVELOPMENT PLAN

NOT TO SCALE



GENERAL NOTES

- 1.) THE PROPOSED SITE SHALL BE ELEVATED ABOVE THE EXISTING ROAD LEVEL TO ENSURE ADEQUATE DRAINAGE AND PREVENT FLOODING OF THE FACILITY. IN AN INSTANCE WHEREIN THE SITE IS BELOW THE ELEVATION OF EXISTING ROAD, THE BENEFICIARY SHALL SHOULD THE EARTH WORKS SUCH AS EMBANKMENT/BACKFILL, EXCAVATION, AND COMPACTION. LOCATION SHALL BE FLOOD FREE.
- 2.) THE MODULAR COLD STORAGE FACILITY IS DESIGNED WHEREIN THE SERVICE POWER WILL BE FROM THREE PHASE SUPPLY WITH SUPPLEMENTAL FROM SOLAR AND WIND ENERGY. IN ADDITION, A STANDBY DIESEL GENERATOR IS ADDED IN THE DESIGN AS BACK-UP POWER IN CASES WHERE THERE IS A FAILURE ON THE MAIN POWER SUPPLY OF THE SAID FACILITY. THE GENERATOR IS DEDICATED ONLY TO RUN THE REFRIGERATION SYSTEM OF THE CHILLER ROOM.
- 3.) THE TOP OF THE CONTAINER VAN MUST HAVE WEEKLY MAINTENANCE TO REMOVE ANY ACCUMULATED WATER/DUST/DEBRI, AND SHOULD BE CLEANED AFTER EVERY HEAVY RAINFALL/UNTOWARD CALAMITIES.
- 4.) THE PREPARED MODULAR DESIGN OF COLD STORAGE FACILITY SHALL BE USED BY DA REGIONAL IMPLEMENTING OFFICES (IOs) AS REFERENCE IN THE DESIGN OF THE AFOREMENTIONED FACILITY. THE DA REGIONAL IOs HAS THE RIGHT TO DEVIATE FROM THE SHOWN DESIGN BASED ON THE PECULIARITY/UNIQUENESS OF THE IDENTIFIED SITES IN THEIR RESPECTIVE REGIONS.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING

QA-SP200-Q0P01-04
REV 00
AUGUST 28, 2024

PROJECT TITLE

PROPOSED COLD STORAGE
EXPANSION PROJECT

PREPARED BY:

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ENGINEER II
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

REVIEWED BY:

ENGR. ROMEL A. CABALLERO

ENGINEER III
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

RECOMMENDING APPROVAL:

ENGR. ALLAN C. GOLENG

ENGINEER IV
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

APPROVED BY:

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ASSISTANT SECRETARY
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SHEET CONTENT

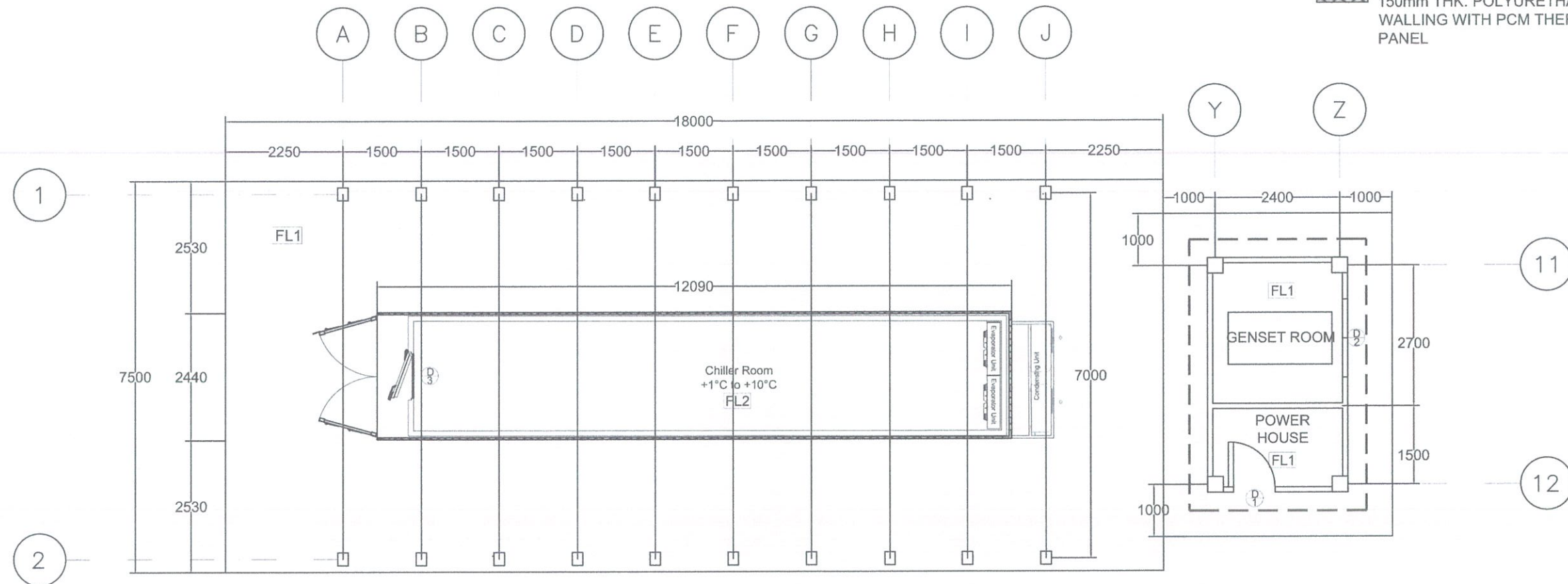
GENERAL NOTES
SITE DEVELOPMENT PLAN

SHEET NO.

3/17

SCHEDULE OF FINISHES :

- FL1 NON SKID PLAIN CEMENT FLOOR FINISH
- FL2 150mm THK. POLYURETHANE FLOORING WITH ALUMINUM CHECKERED PLATE-FINISHED
- 150mm THK. POLYURETHANE WALLING WITH PCM THERMAL PANEL



FLOOR PLAN
NOT TO SCALE



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING

OF-EPDSD-00P01-04
REV 08
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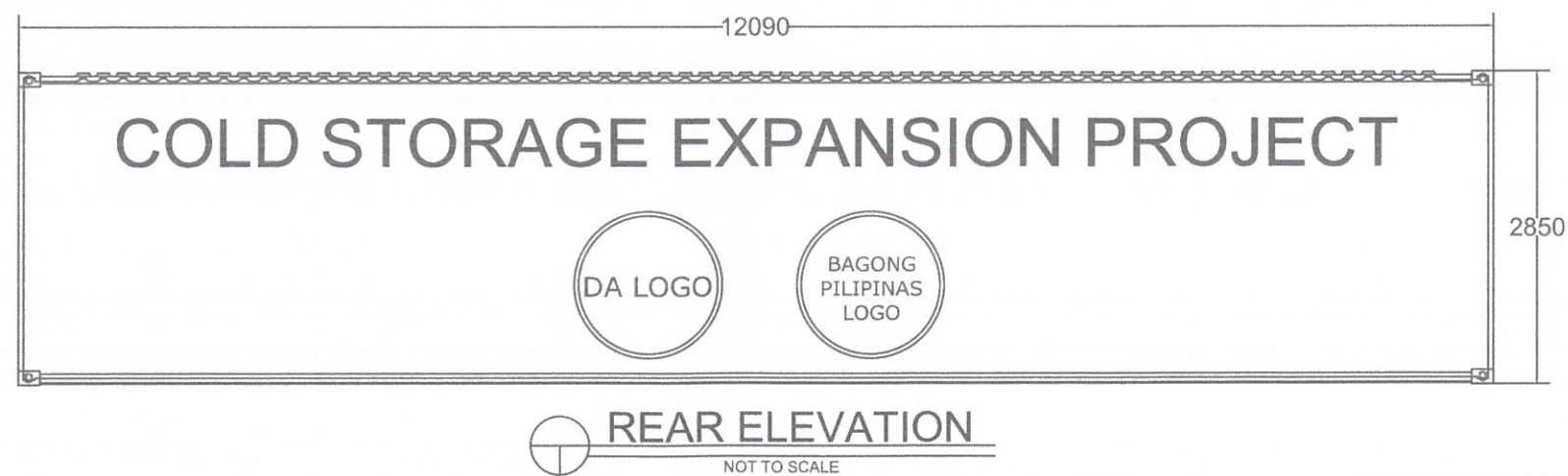
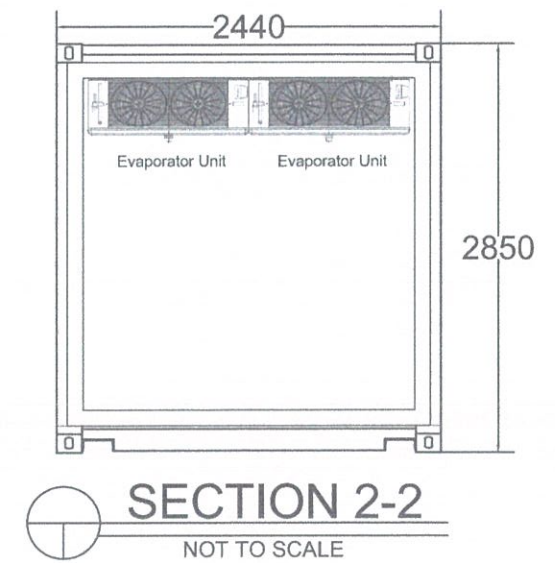
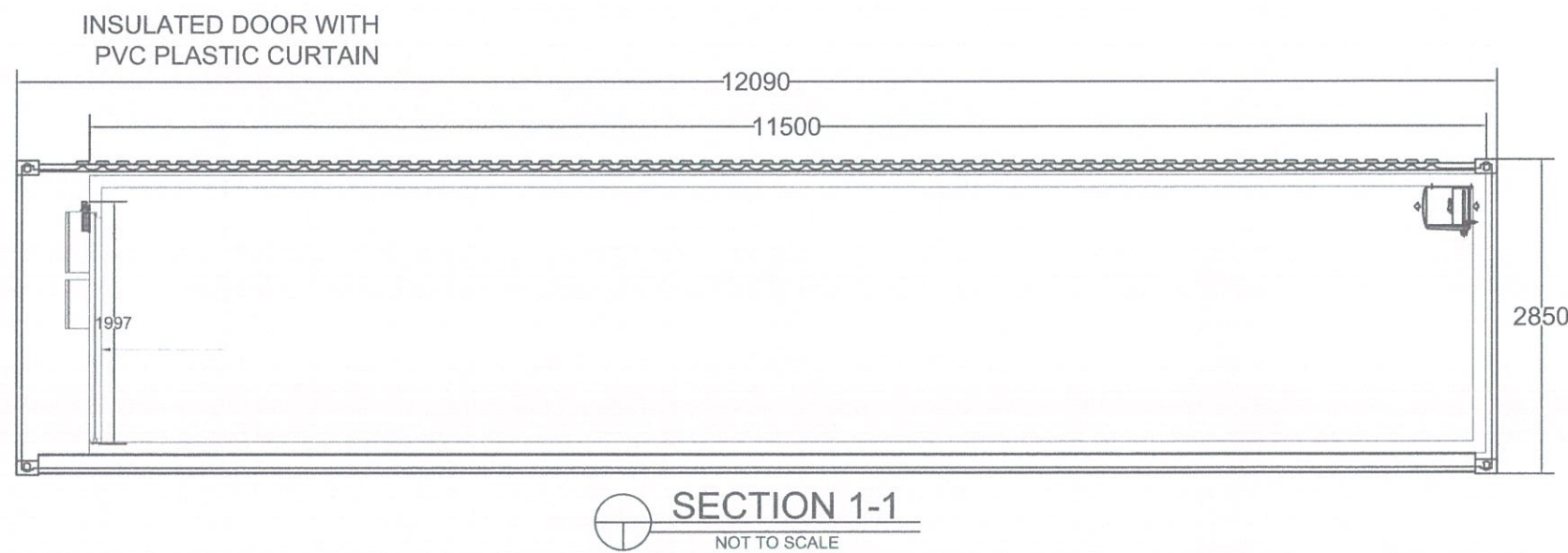
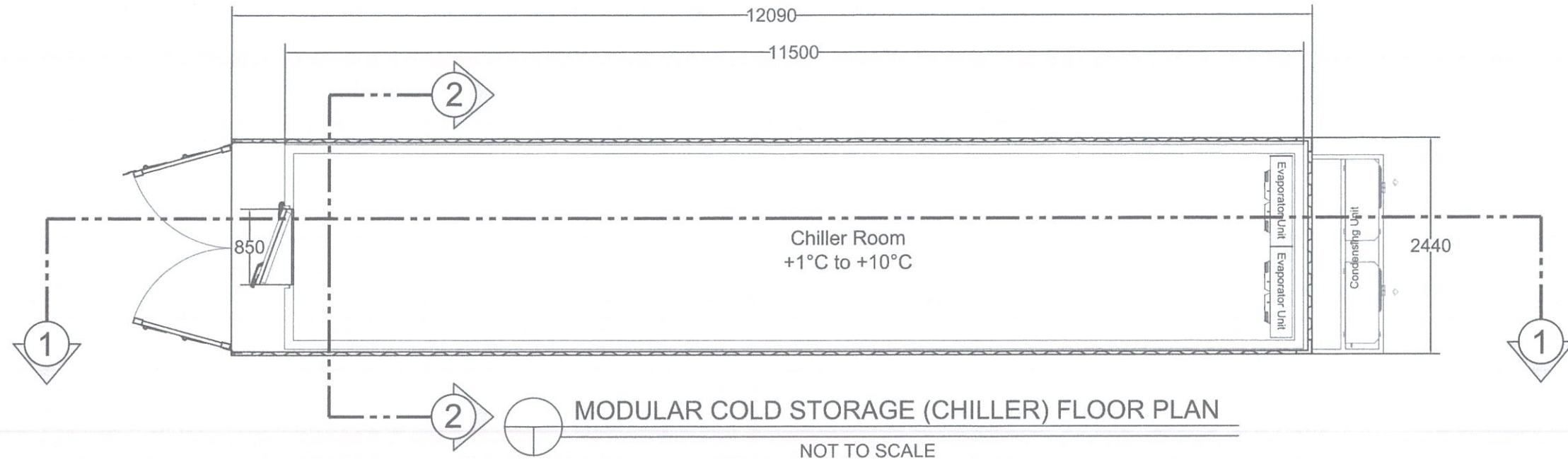
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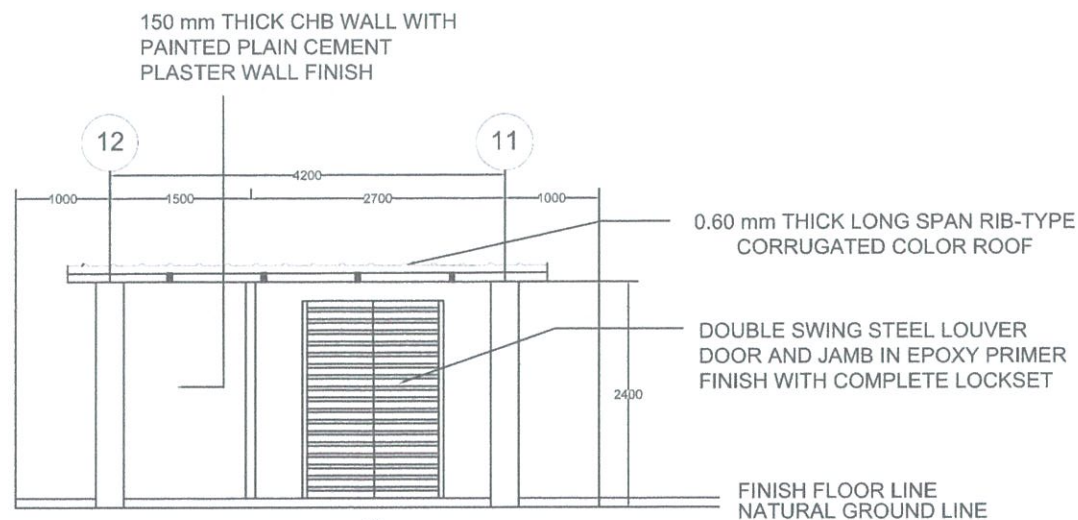
SHEET CONTENT
FLOOR PLAN

SHEET NO.
4/17

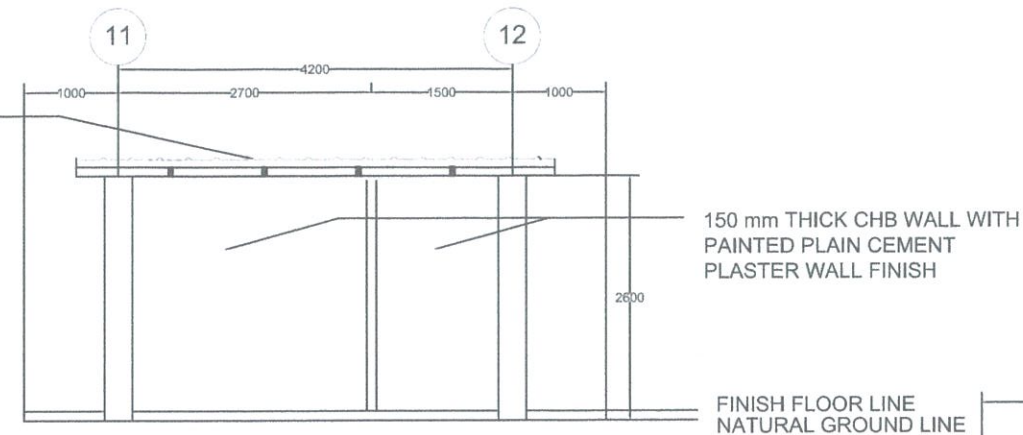
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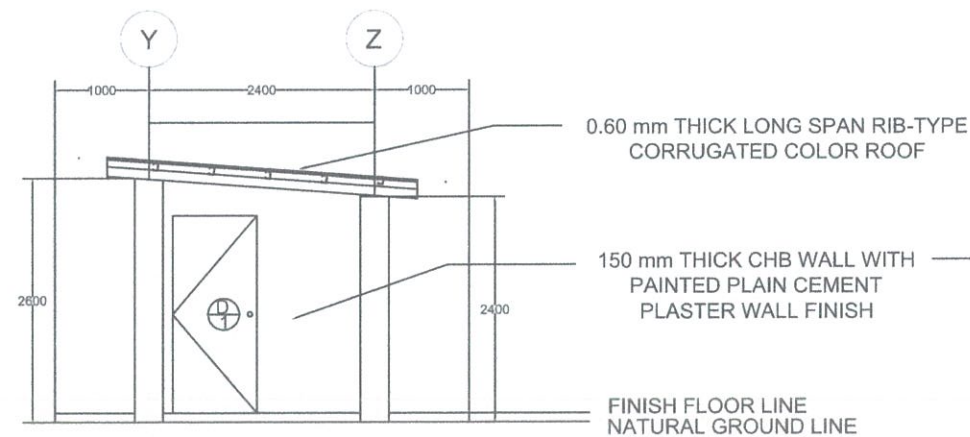
	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p> <p>QF-EP080-Q0P07-04 REV 08 AUGUST 28, 2024</p>	<p>PROJECT TITLE</p> <p>PROPOSED COLD STORAGE EXPANSION PROJECT</p>	<p>PREPARED BY:</p> <p><i>Mark Lester L. Natividad</i> ENGR. MARK LESTER L. NATIVIDAD ENGINEER II ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>REVIEWED BY:</p> <p><i>Romel A. Caballero</i> ENGR. ROMEL A. CABALLERO ENGINEER III ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>RECOMMENDING APPROVAL:</p> <p><i>Allan C. Gole</i> ENGR. ALLAN C. GOLENG ENGINEER IV ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>APPROVED BY:</p> <p><i>Baldwin G. Jaloruna</i> BALDWIN G. JALORUNA, Ph.D. DIRECTOR IV BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p><i>Daniel Alfonso N. Atayde</i> DANIEL ALFONSO N. ATAYDE ASSISTANT SECRETARY OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS</p>	<p>SHEET CONTENT</p> <p>SECTIONS & ELEVATIONS</p>	<p>SHEET NO.</p> <p>5/17</p>
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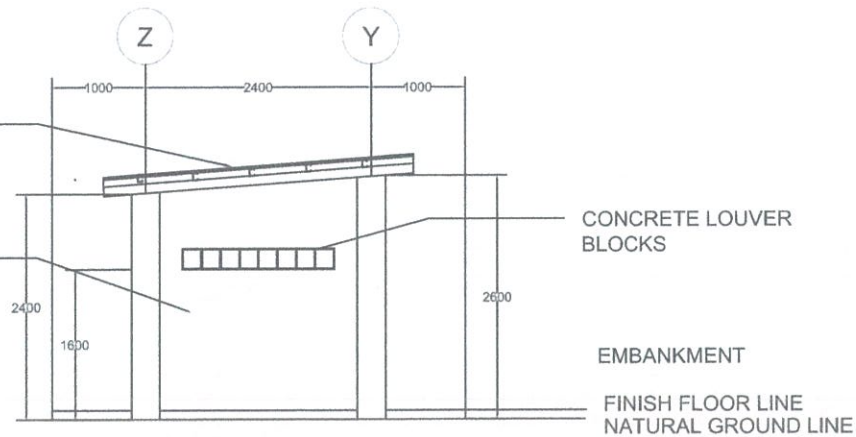
FRONT ELEVATION
NOT TO SCALE



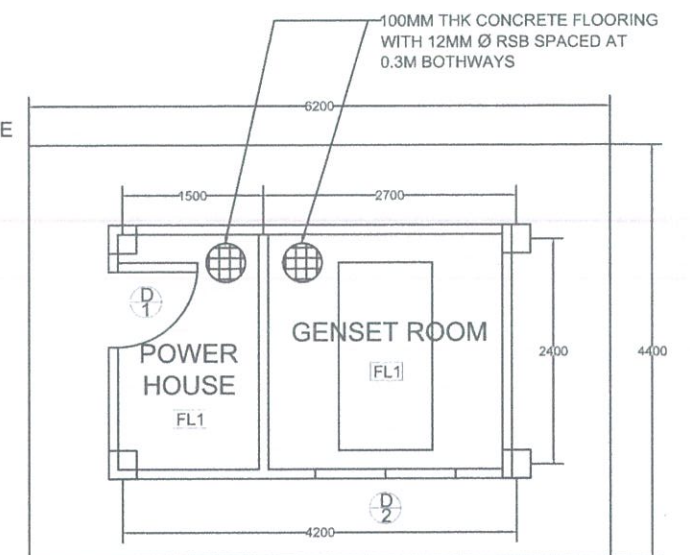
BACK ELEVATION
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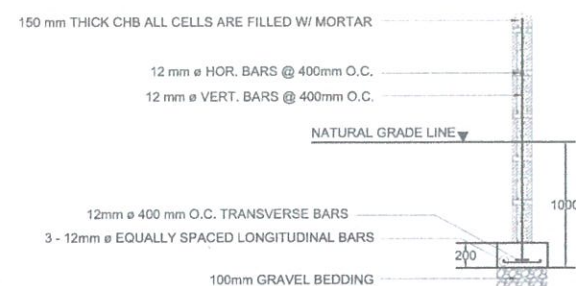
LEFT SIDE ELEVATION
NOT TO SCALE



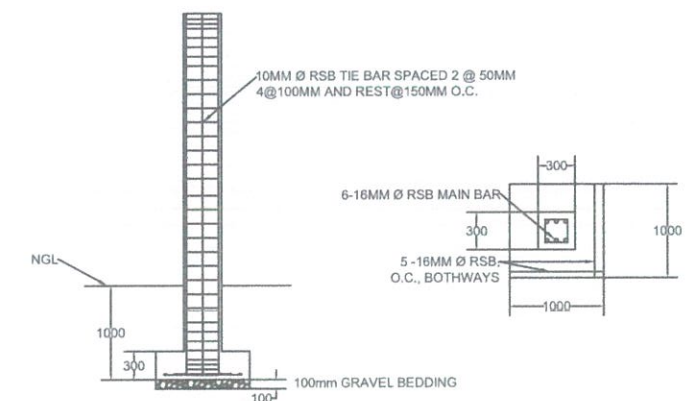
RIGHT SIDE ELEVATION
NOT TO SCALE



FLOOR PLAN
NOT TO SCALE

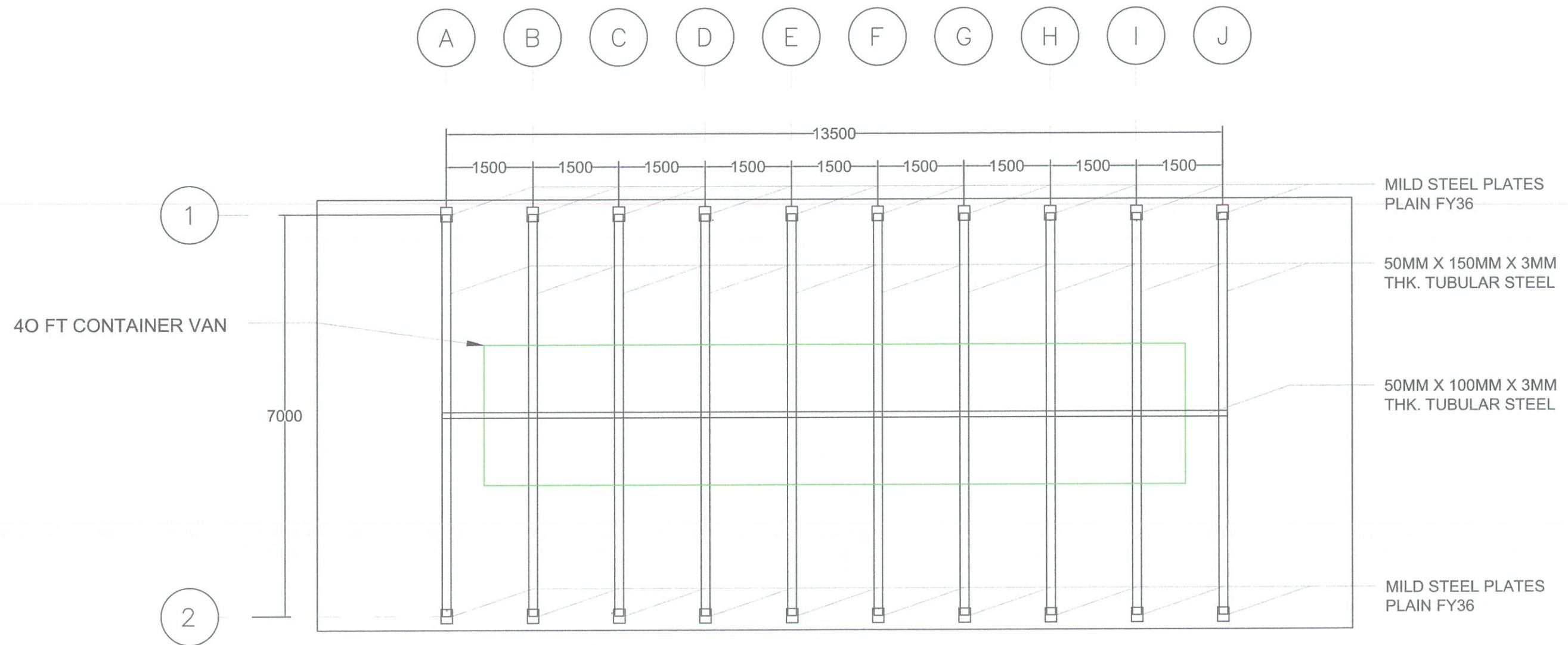


DETAILS OF CHB AND WALL FOOTING
NOT TO SCALE




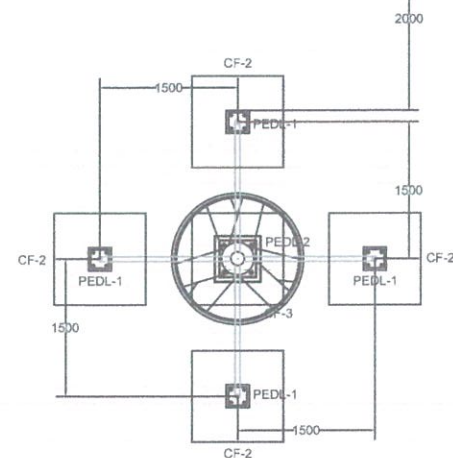
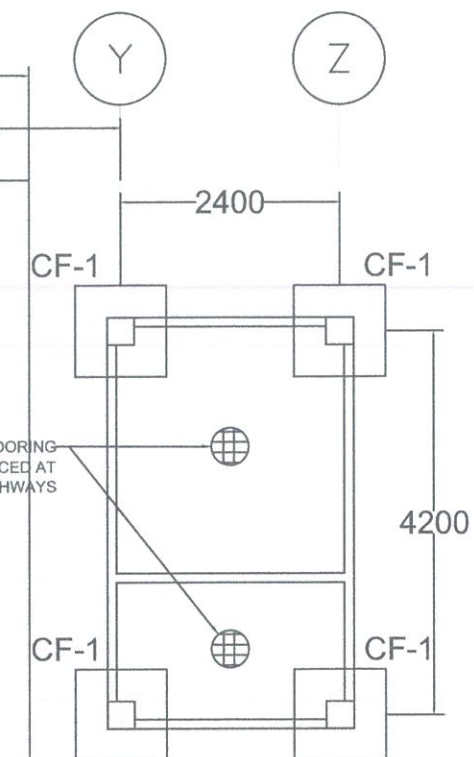
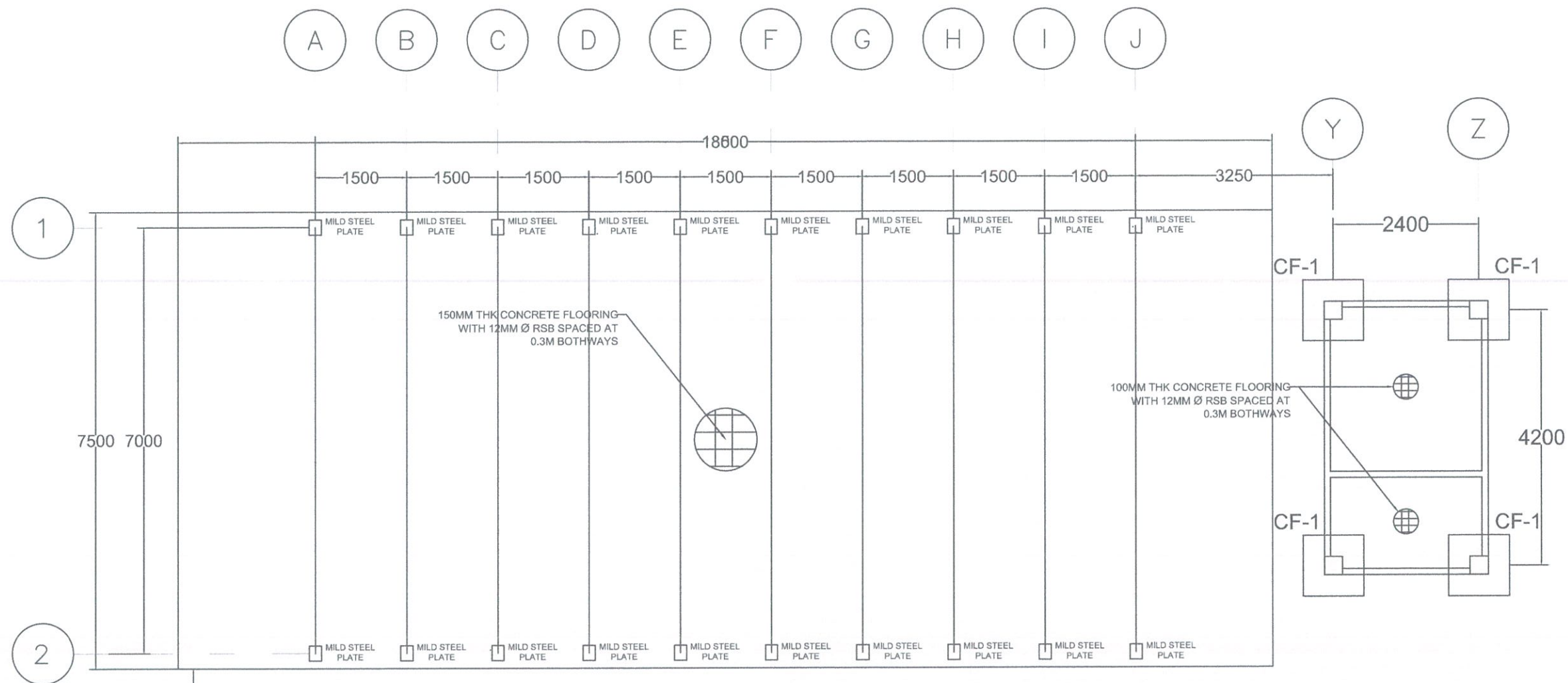
DETAILS OF CF-1
NOT TO SCALE

	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p>PROJECT TITLE PROPOSED COLD STORAGE EXPANSION PROJECT</p>	<p>PREPARED BY: ENGR. MARK LESTER L. NATIVIDAD ENGINEER II ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>REVIEWED BY: ENGR. ROMEL A. CABALLERO ENGINEER III ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>RECOMMENDING APPROVAL: ENGR. ALLAN C. GOLENG ENGINEER IV ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>APPROVED BY: BALDWIN S. JALLORINA, Ph.D. DIRECTOR IV BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p>DANIEL ALFONSO N. ATAYDE ASSISTANT SECRETARY OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS</p>	<p>SHEET CONTENT POWER HOUSE & GENSET ROOM DETAILS</p>	<p>SHEET NO. 6/17</p>
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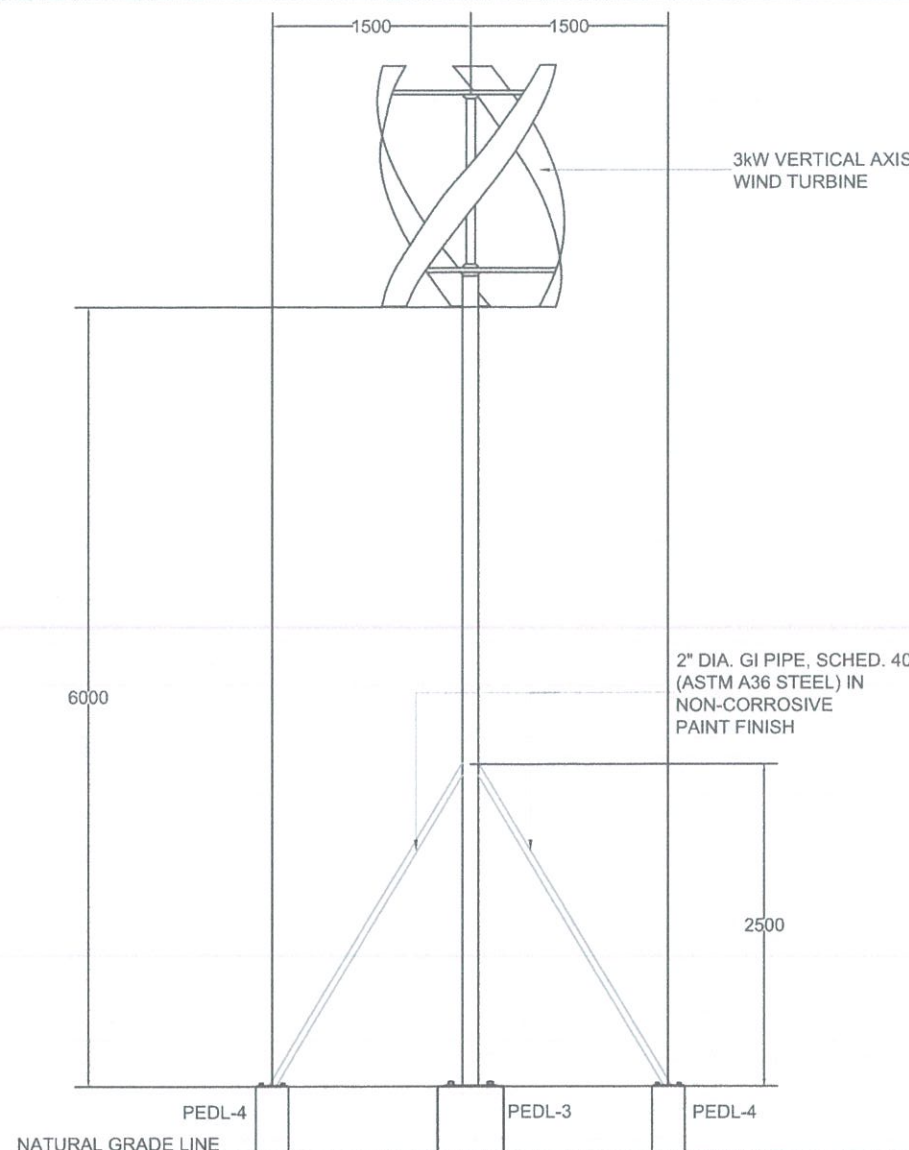
 **FRAMING PLAN OF SOLAR PANEL**
NOT TO SCALE

	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p>PROJECT TITLE</p> <p>PROPOSED COLD STORAGE EXPANSION PROJECT</p>	<p>PREPARED BY:</p> <p><i>Mark Lester L. Natividad</i> ENGR. MARK LESTER L. NATIVIDAD ENGINEER II ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>REVIEWED BY:</p> <p><i>Romel A. Caballero</i> ENGR. ROMEL A. CABALLERO ENGINEER III ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>RECOMMENDING APPROVAL:</p> <p><i>Allan C. Goleng</i> ENGR. ALLAN C. GOLENG ENGINEER IV ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>APPROVED BY:</p> <p><i>Baldwin G. Jallorina, Ph.D.</i> BALDWIN G. JALLORINA, Ph.D. DIRECTOR IV BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p><i>Daniel Alfonso N. Atayde</i> DANIEL ALFONSO N. ATAYDE ASSISTANT SECRETARY OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS</p>	<p>SHEET CONTENT</p> <p>FRAMING PLAN OF SOLAR PANEL</p>	<p>SHEET NO.</p> <p>8/17</p>
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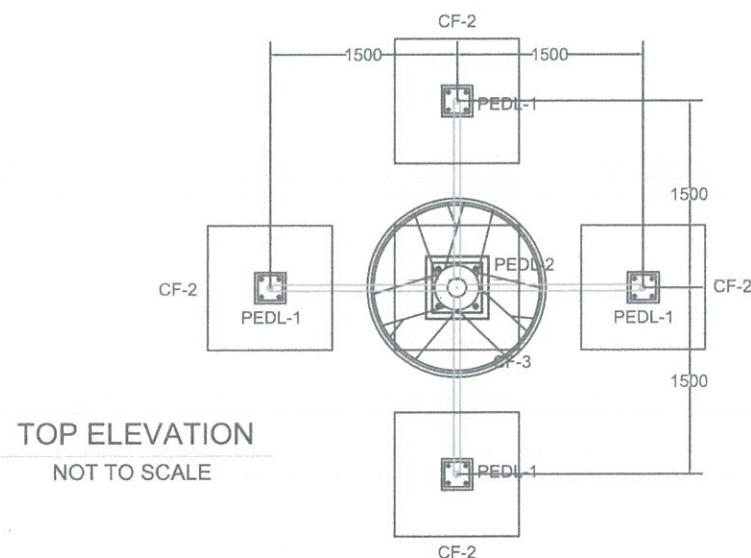


FOUNDATION PLAN
NOT TO SCALE

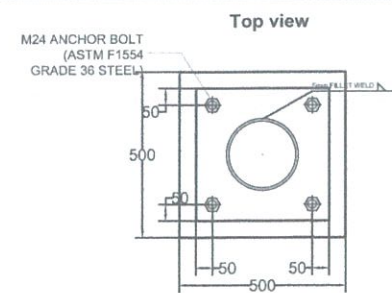
	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p>PROJECT TITLE PROPOSED COLD STORAGE EXPANSION PROJECT</p>	<p>PREPARED BY: ENGR. MARK LESTER L. NATIVIDAD ENGINEER II ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>REVIEWED BY: ENGR. ROMEL A. CABALLERO ENGINEER III ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>RECOMMENDING APPROVAL: ENGR. ALLAN C. GOLENG ENGINEER IV ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>APPROVED BY: BALDWIN G. JALLORINA, Ph.D. DIRECTOR IV BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p>DANIEL REBONSO N. ATAYDE ASSISTANT SECRETARY OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS</p>	<p>SHEET CONTENT FOUNDATION PLAN</p>	<p>SHEET NO. 9/17</p>
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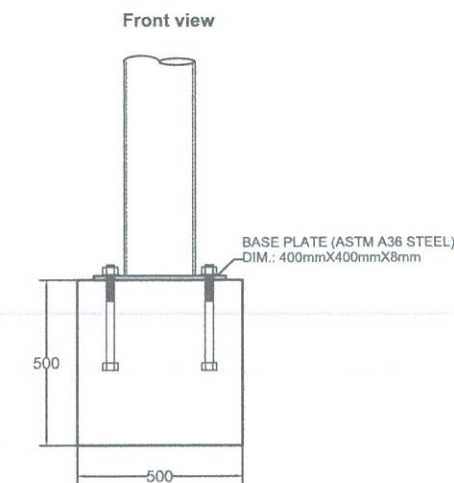
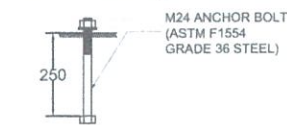
SIDE ELEVATION
NOT TO SCALE



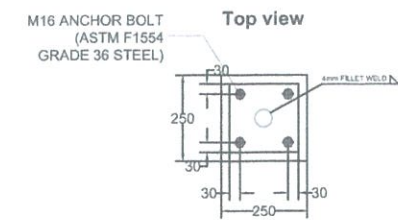
TOP ELEVATION
NOT TO SCALE



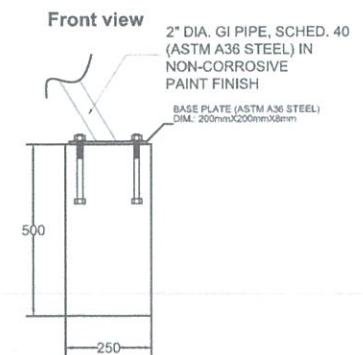
Anchor detailing



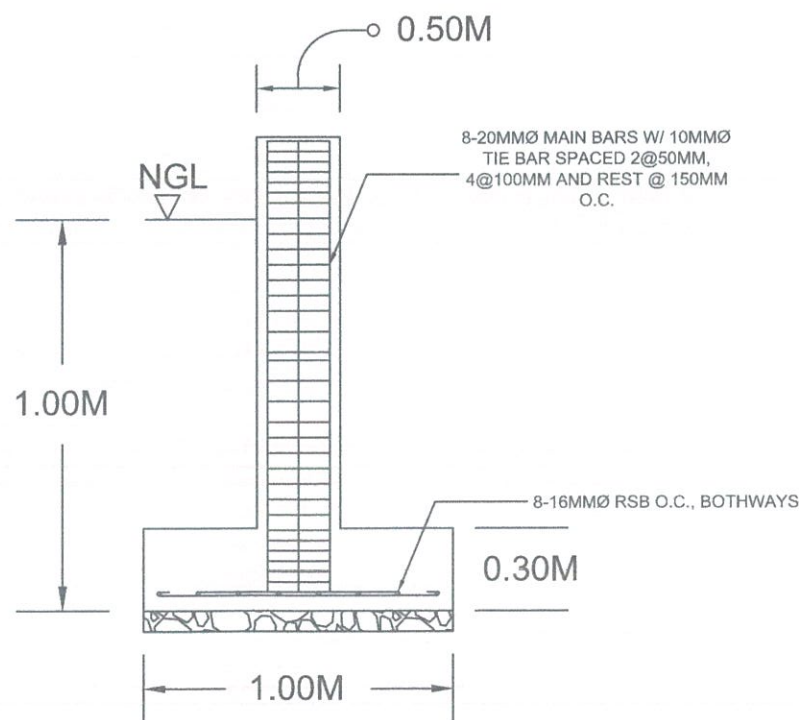
DETAILS OF PEDL-2
NOT TO SCALE



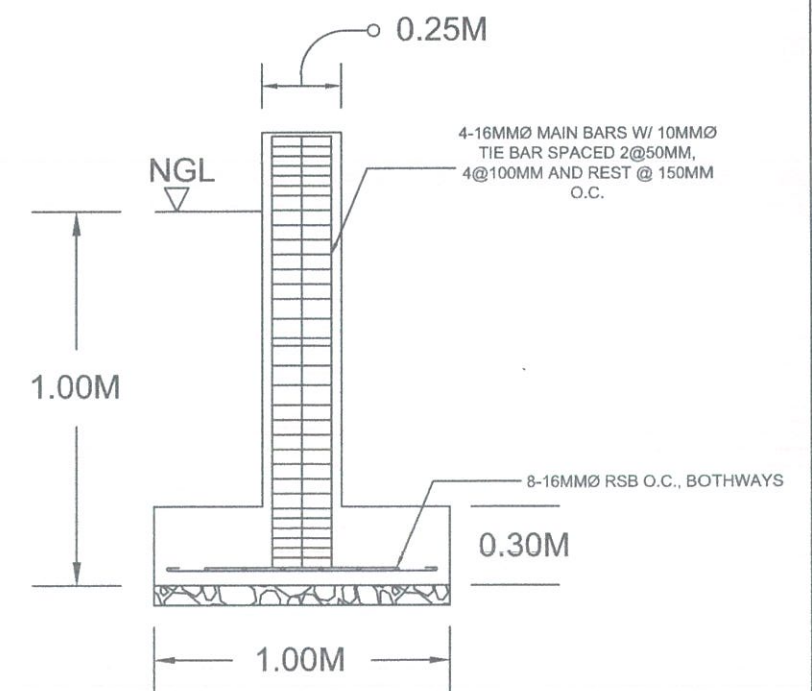
Anchor detailing



DETAILS OF PEDL-1
NOT TO SCALE



DETAILS OF CF-3
NOT TO SCALE



DETAILS OF CF-2
NOT TO SCALE



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING

OF-EP250-00P17-04
REV 04
AUGUST 28, 2024

PROJECT TITLE
PROPOSED COLD STORAGE
EXPANSION PROJECT

PREPARED BY:
ENGR. MARK LESTER L. NATIVIDAD
ENGINEER II
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

REVIEWED BY:
ENGR. ROMEL A. CABALLERO
ENGINEER III
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

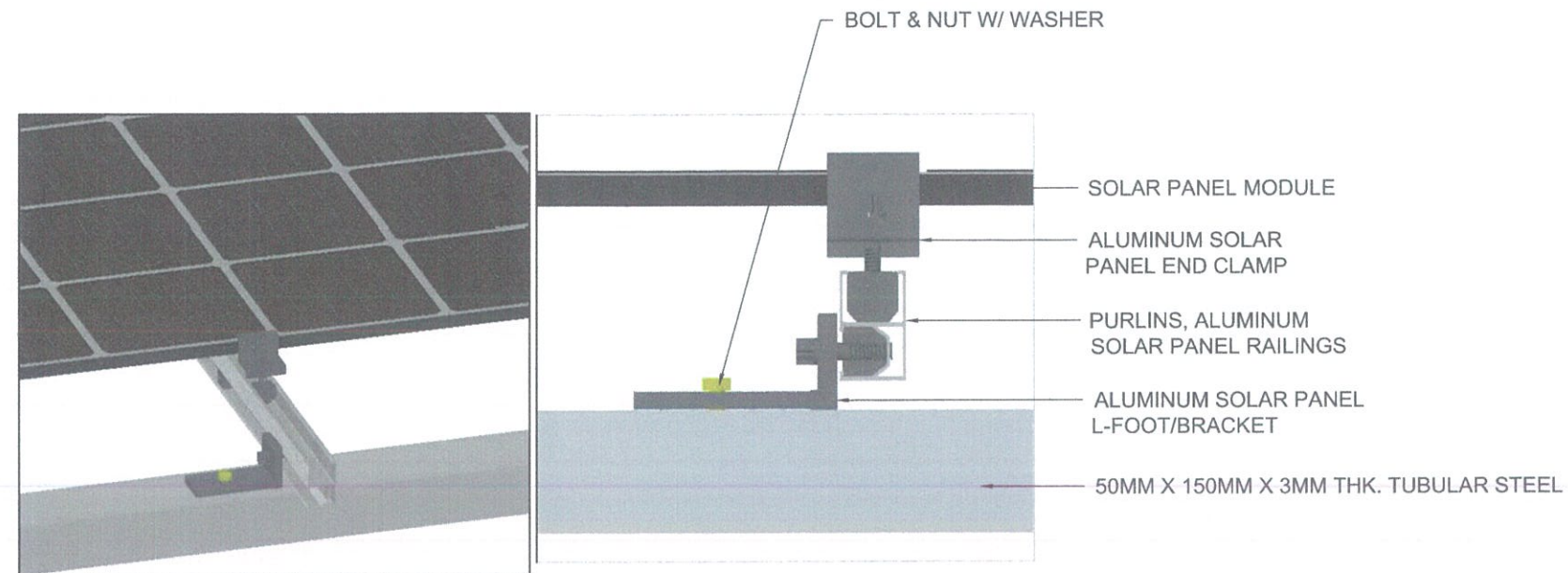
RECOMMENDING APPROVAL:
ENGR. ALZAN Q. GOJENG
ENGINEER IV
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

APPROVED BY:
BALDWIN G. JACORINA, Ph.D.
DIRECTOR IV
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING

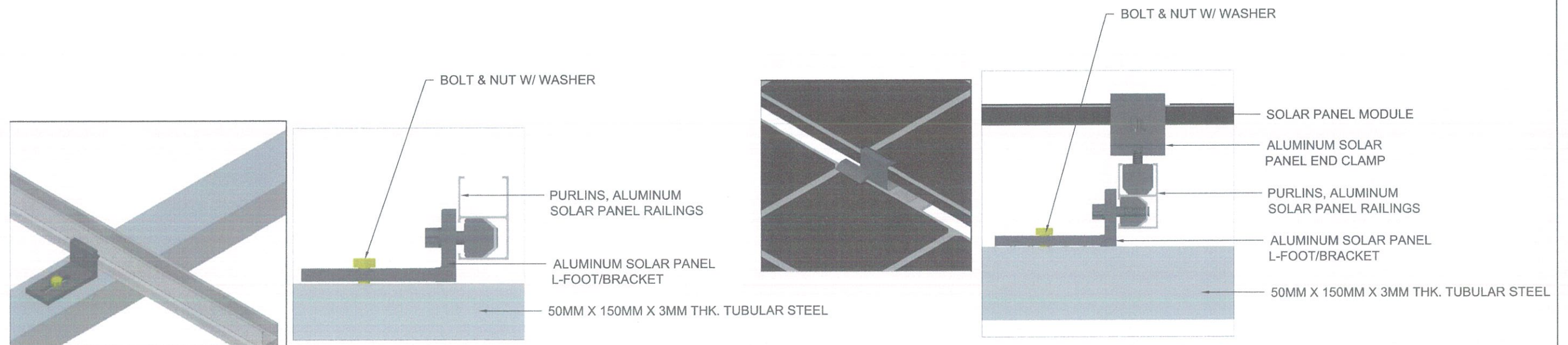
DANIEL ALONSO N. ATAYDE
ASSISTANT SECRETARY
OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS

SHEET CONTENT
DETAILS OF VERTICAL AXIS
WIND TURBINE

SHEET NO.
10/17




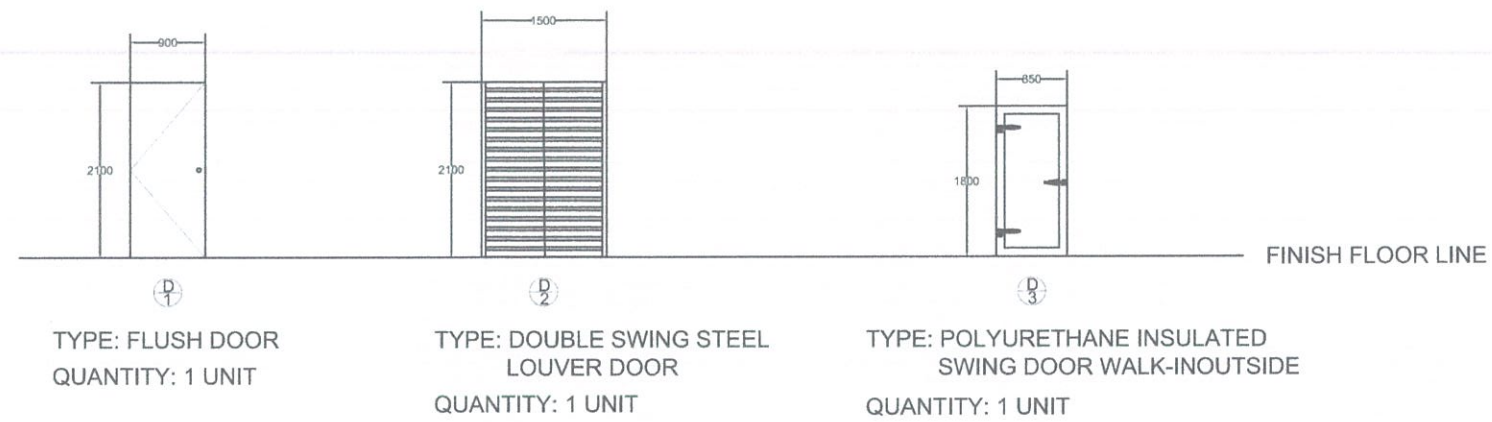
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NOT TO SCALE




 **CONNECTION BETWEEN TUBULAR AND RAILINGS**
NOT TO SCALE

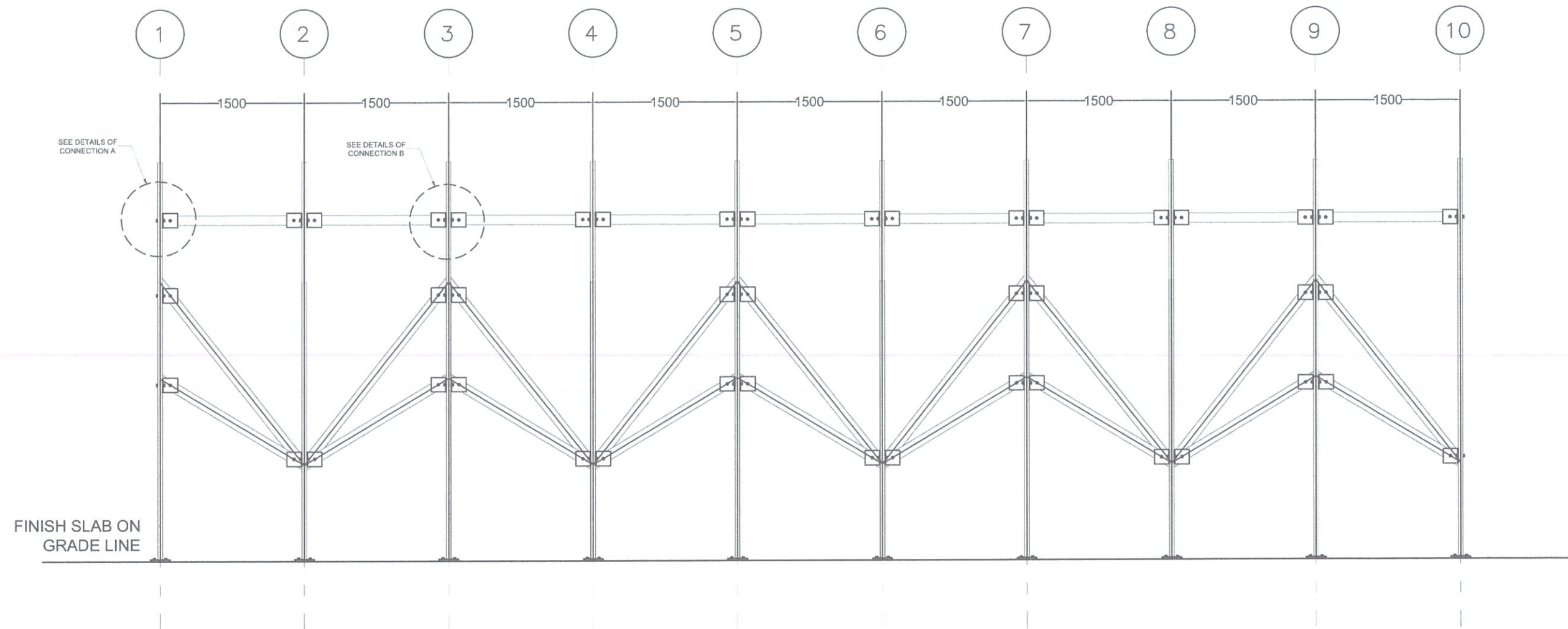
 **MIDDLE CLAMP CONNECTION DETAILS**
NOT TO SCALE

	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p>PROJECT TITLE PROPOSED COLD STORAGE EXPANSION PROJECT</p>	<p>PREPARED BY: <i>Mark Lester L. Natividad</i> ENGR. MARK LESTER L. NATIVIDAD ENGINEER II ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>REVIEWED BY: <i>Rommel A. Caballero</i> ENGR. ROMEL A. CABALLERO ENGINEER III ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>RECOMMENDING APPROVAL: <i>Allan C. Goleng</i> ENGR. ALLAN C. GOLENG ENGINEER IV ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</p>	<p>APPROVED BY: <i>Baldwin G. Jallorina</i> BALDWIN G. JALLORNA, Ph.D. DIRECTOR IV BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</p>	<p><i>Daniel Alfonso N. Atayde</i> DANIEL ALFONSO N. ATAYDE ASSISTANT SECRETARY OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS</p>	<p>SHEET CONTENT CLAMP CONNECTION DETAILS</p>	<p>SHEET NO. 11/17</p>
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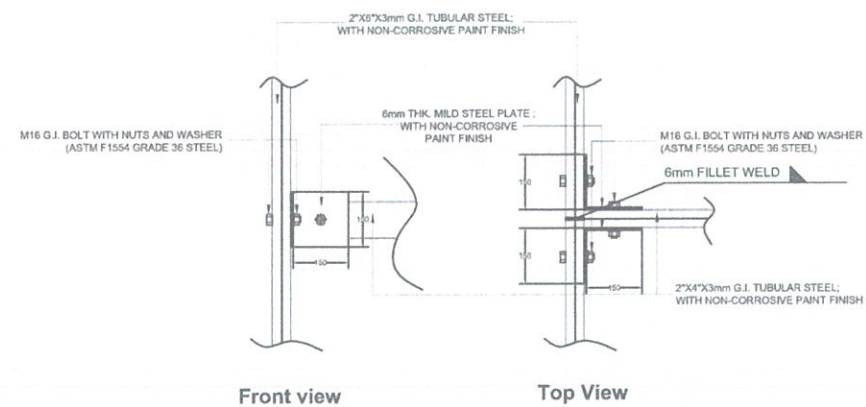
SCHEDULE OF DOORS NOT TO SCALE

	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING	PROJECT TITLE	PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT	SHEET NO.
		PROPOSED COLD STORAGE EXPANSION PROJECT	ENGR. MARK LESTER L. NATIVIDAD <small>ENGINEER II ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</small>	ENGR. ROMEL A. CABALLERO <small>ENGINEER III ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</small>	ENGR. ALLAN C. GOLENG <small>ENGINEER IV ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</small>	BALDWIN G. JALLORINA, Ph.D. <small>DIRECTOR IV BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</small>	DANIEL PONSO N. ATAYDE <small>ASSISTANT SECRETARY OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS</small>	SCHEDULE OF DOORS 12/17

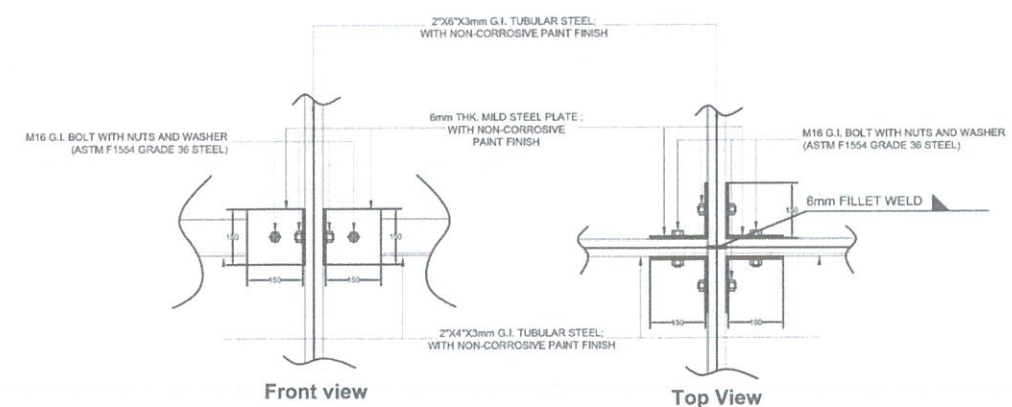


FRONT ELEVATION OF SOLAR MOUNTING STRUCTURE

NOT TO SCALE



DETAILS OF CONNECTION A
NOT TO SCALE



DETAILS OF CONNECTION B
NOT TO SCALE



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING

DE-EP050-Q0P07-04
REV 00
AUGUST 28, 2024

PROJECT TITLE
**PROPOSED COLD STORAGE
EXPANSION PROJECT**

PREPARED BY:
Mark Lester L. Natividad
ENGR. MARK LESTER L. NATIVIDAD
ENGINEER II
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

REVIEWED BY:
Rommel A. Caballero
ENGR. ROMEL A. CABALLERO
ENGINEER III
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

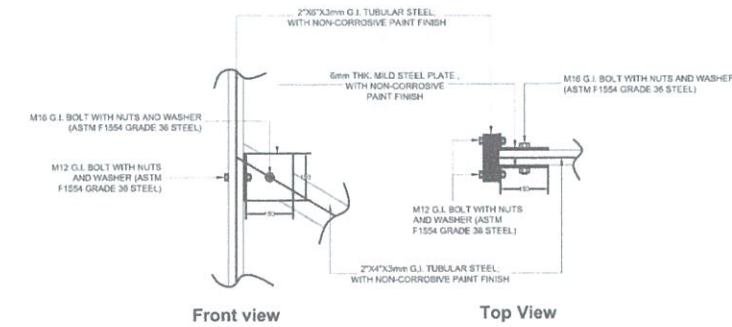
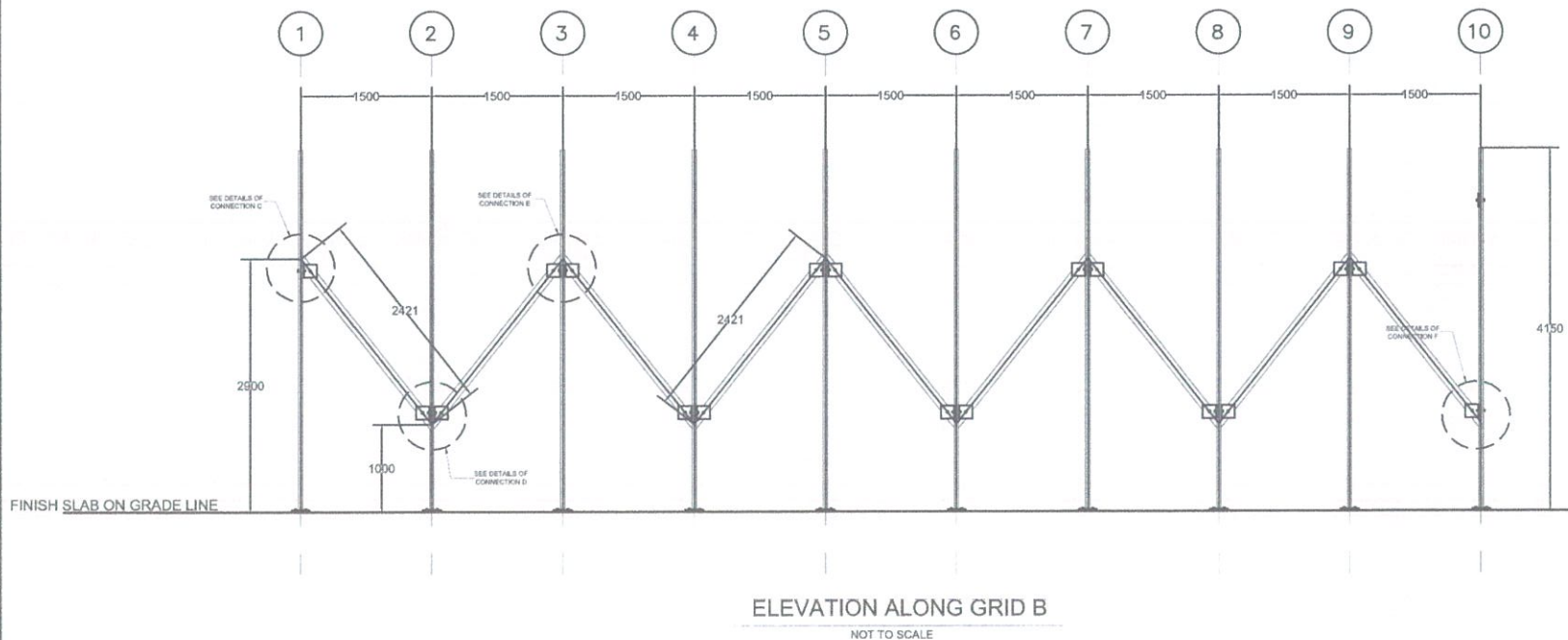
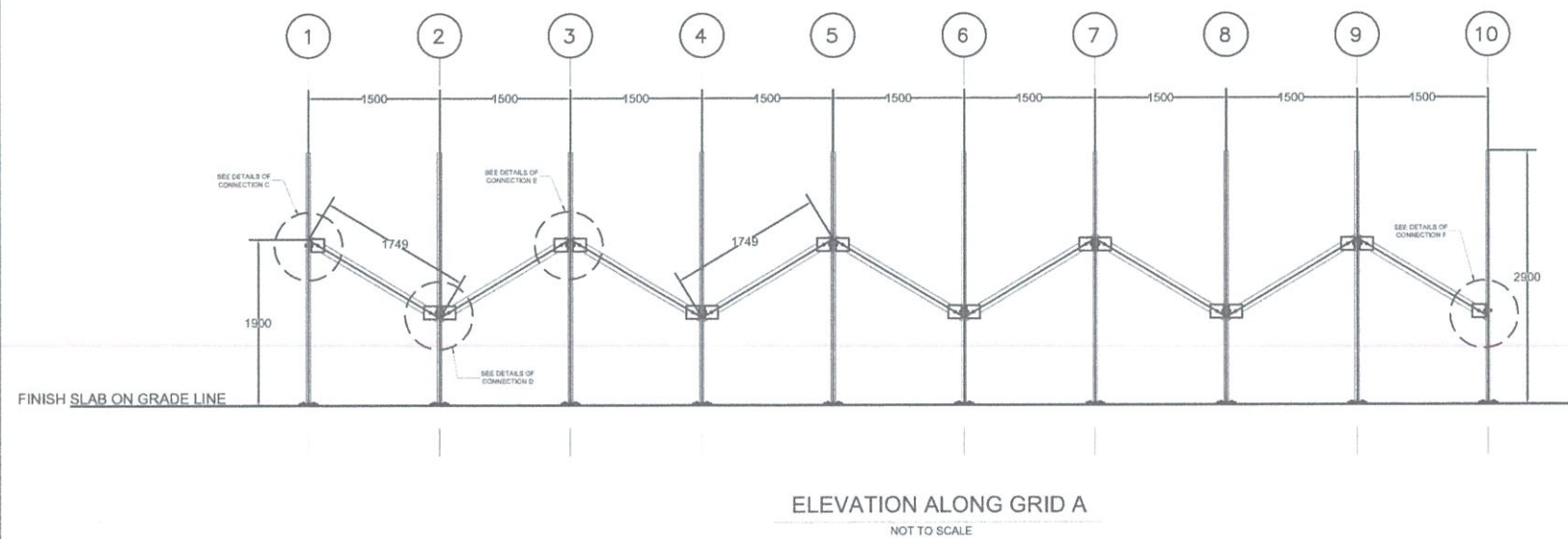
RECOMMENDING APPROVAL:
Allan C. Goleng
ENGR. ALLAN C. GOLENG
ENGINEER IV
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

APPROVED BY:
Baldwin G. Jailorina, Ph.D.
BALDWIN G. JAILORINA, Ph.D.
DIRECTOR IV
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING

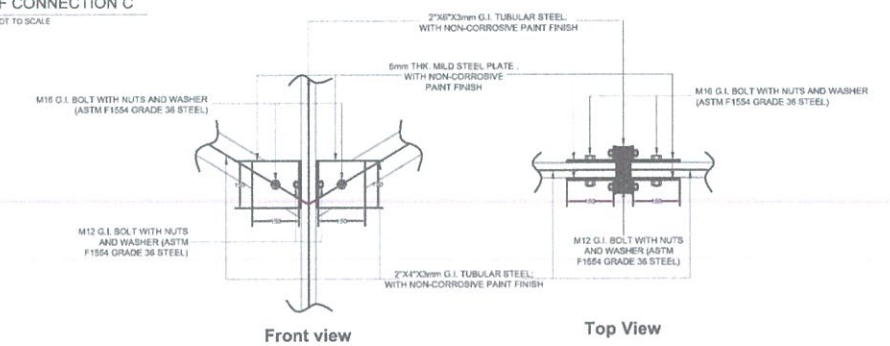
Daniel Refonso N. Atayde
DANIEL REFONSO N. ATAYDE
ASSISTANT SECRETARY
OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS

SHEET CONTENT
**FRONT ELEVATION OF SOLAR
MOUNTING STRUCTURE
CONNECTION A-B**

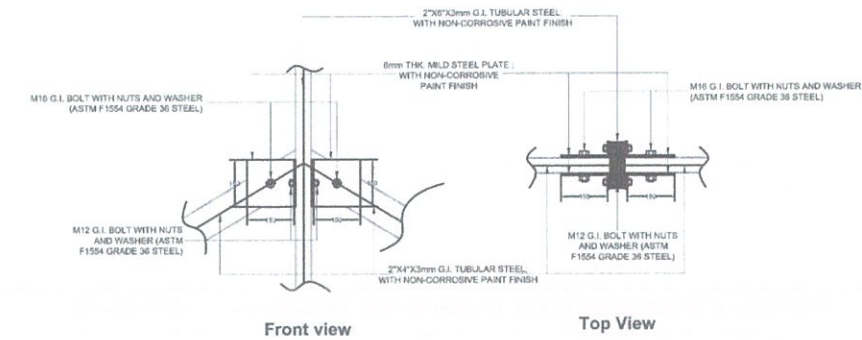
SHEET NO.
13/17



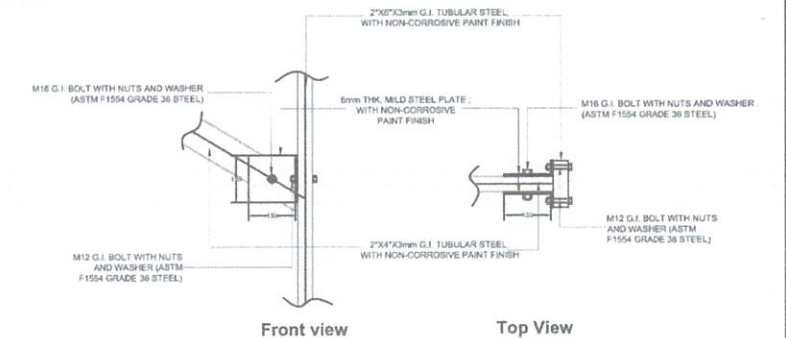
DETAILS OF CONNECTION C
NOT TO SCALE



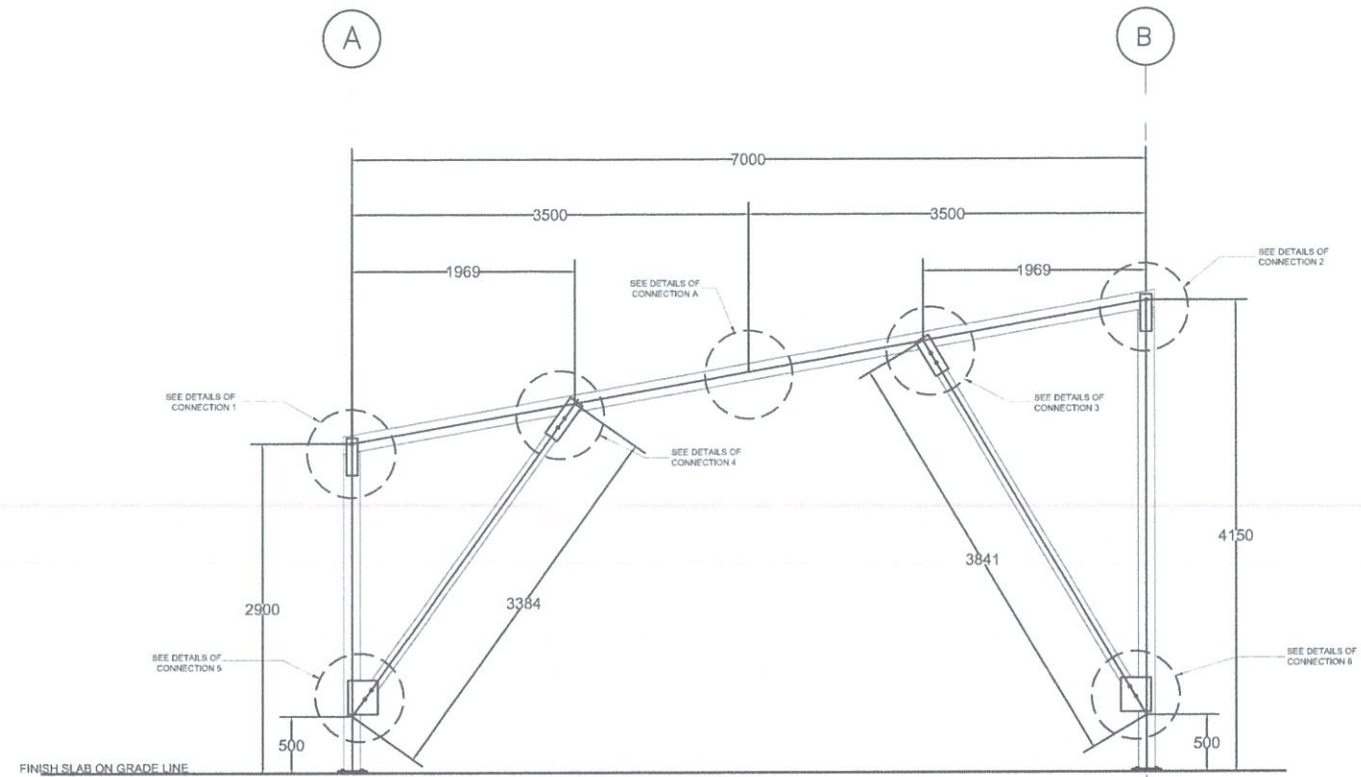
DETAILS OF CONNECTION D
NOT TO SCALE



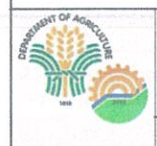
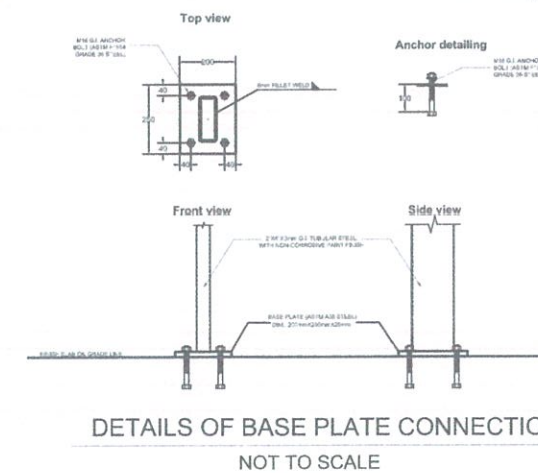
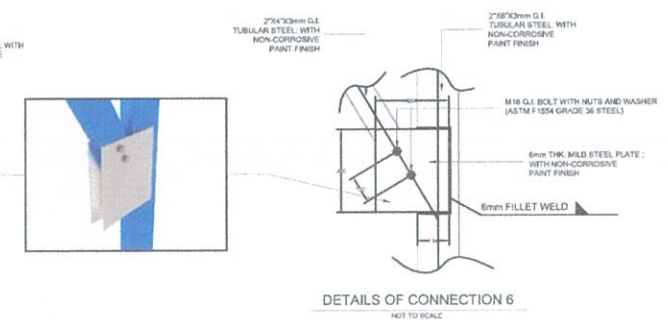
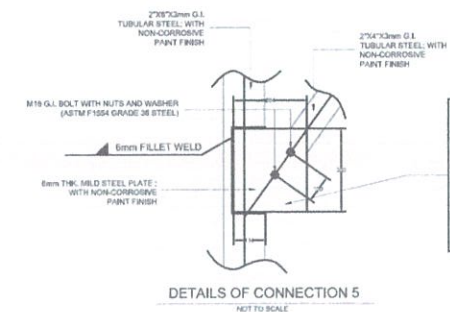
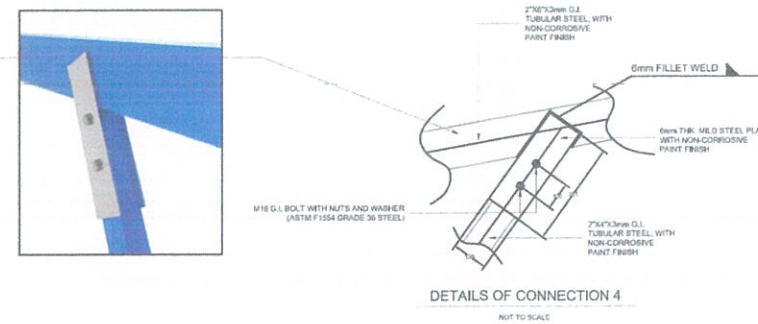
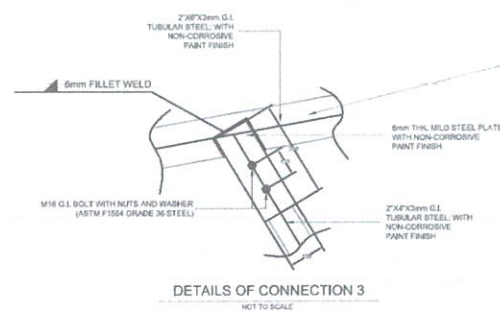
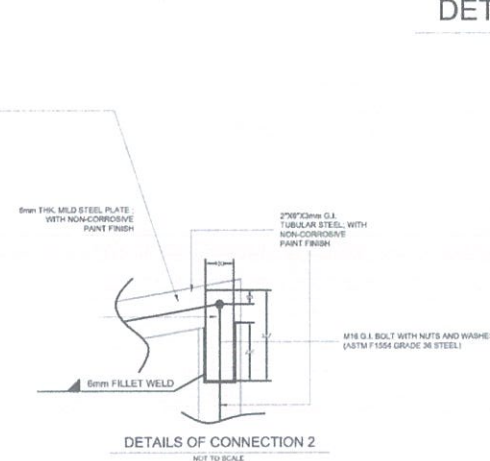
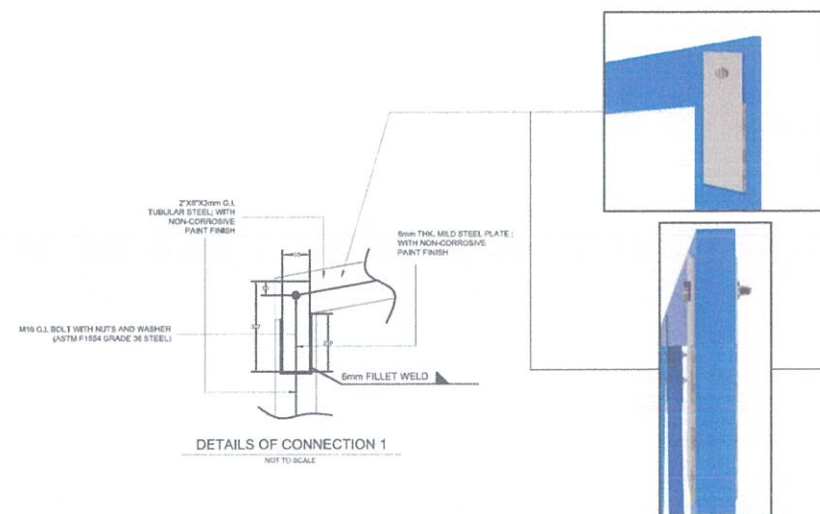
DETAILS OF CONNECTION E
NOT TO SCALE



DETAILS OF CONNECTION F
NOT TO SCALE



DETAILS OF TRUSS
NOT TO SCALE



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING

OF-SP580-COP13-04
REV 08
AUGUST 28, 2024

PROJECT TITLE
PROPOSED COLD STORAGE
EXPANSION PROJECT

PREPARED BY:
ENGR. MARK LESTER L. NATIVIDAD
ENGINEER II
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

REVIEWED BY:
ENGR. ROMEL A. CABALLERO
ENGINEER III
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

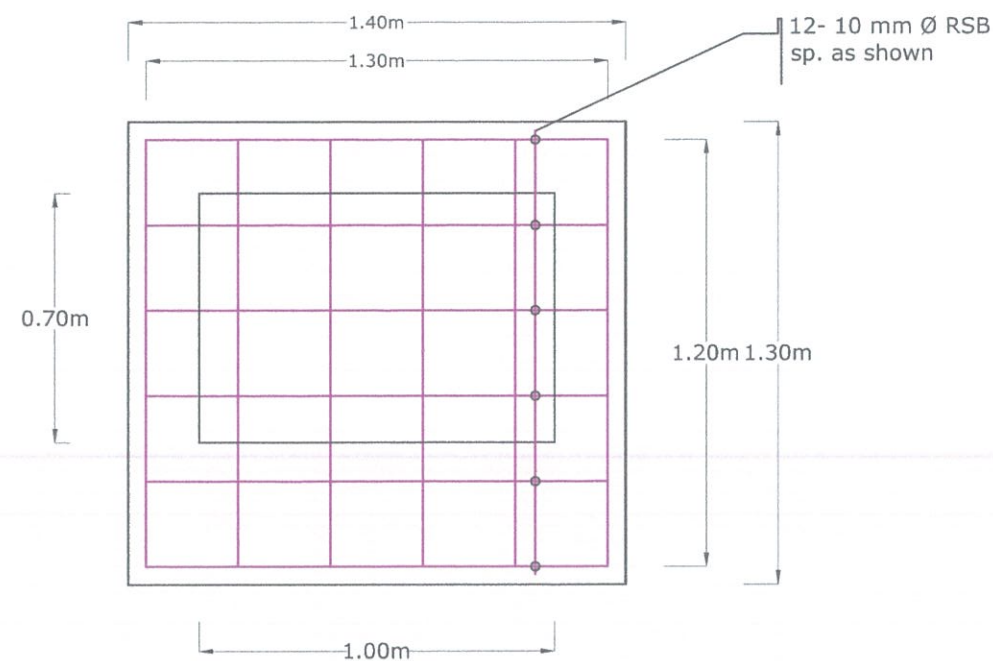
RECOMMENDING APPROVAL:
ENGR. ALLAN C. COLONG
ENGINEER IV
ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION

APPROVED BY:
BALDWIN G. JALORINA, Ph.D.
DIRECTOR IV
BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING

DANIEL ALFONSO N. ATAYDE
ASSISTANT SECRETARY
OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS

SHEET CONTENT
DETAILS OF TRUSS
CONNECTION 1-6
BASE PLATE CONNECTION

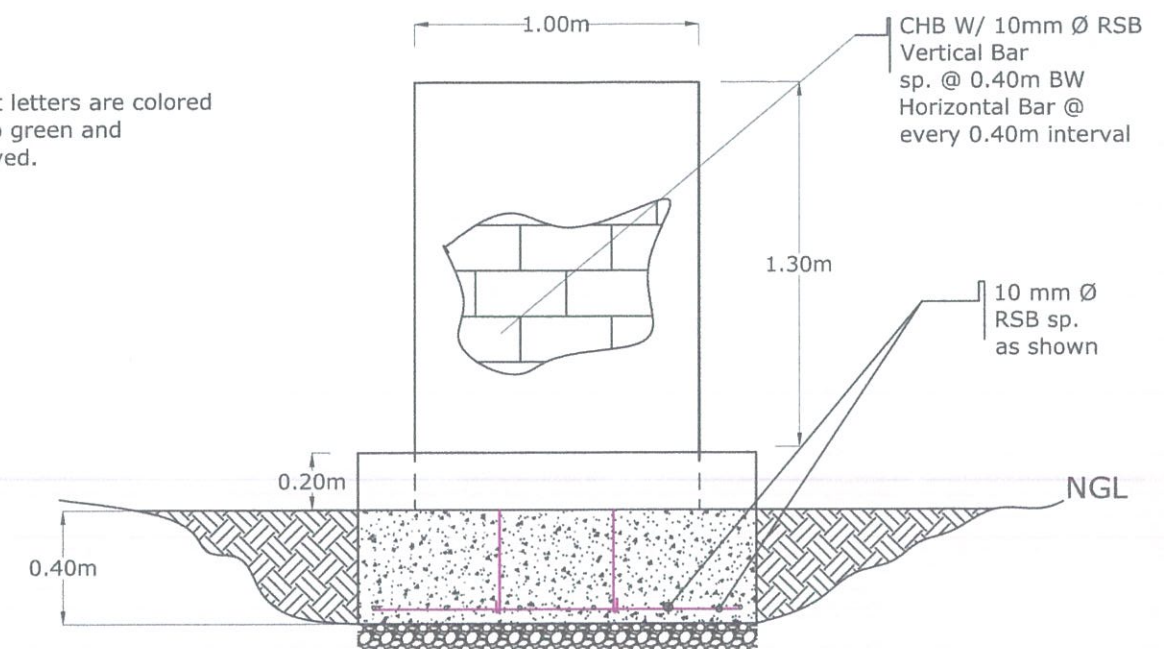
SHEET NO.
15/17



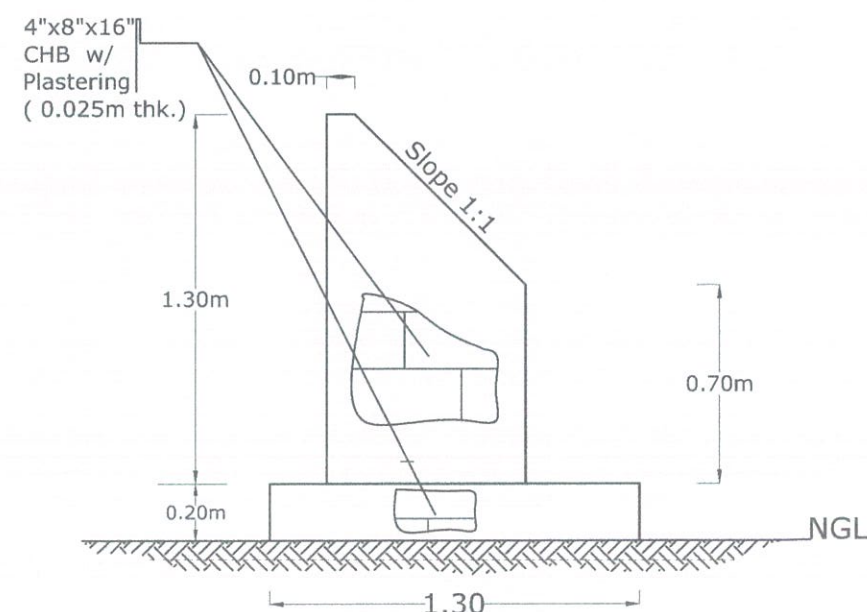
Matting Plan

DA LOGO
 REPUBLIC OF THE PHILIPPINES
 DEPARTMENT OF AGRICULTURE
 REGIONAL FIELD OFFICE (NO.)
 (ADDRESS)
 PROJECT TITLE : _____
 PROJECT LOCATION: _____
 PROPONENT: _____
 SECTOR: RICE PROGRAM
 CY _____
 BROJ. CHAIRMAN / IA PRES. / FA Pres.
 (NAME) Sec. FRANCISCO P. TIU LAUREL, JR.
 Regional Executive Director Secretary, Department of Agriculture
 H.E. FERDINAND R. MARCOS, JR.
 President, Republic of the Philippines

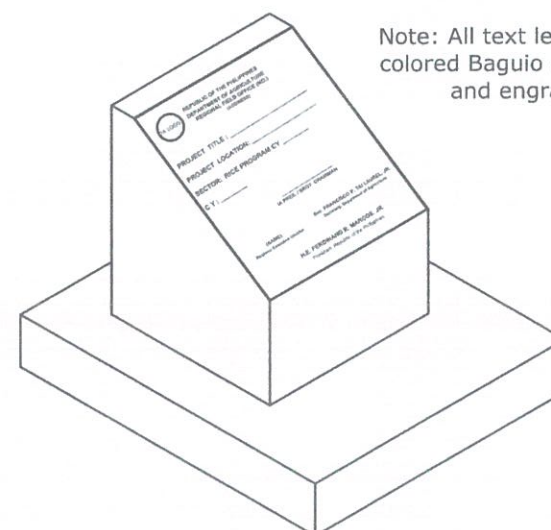
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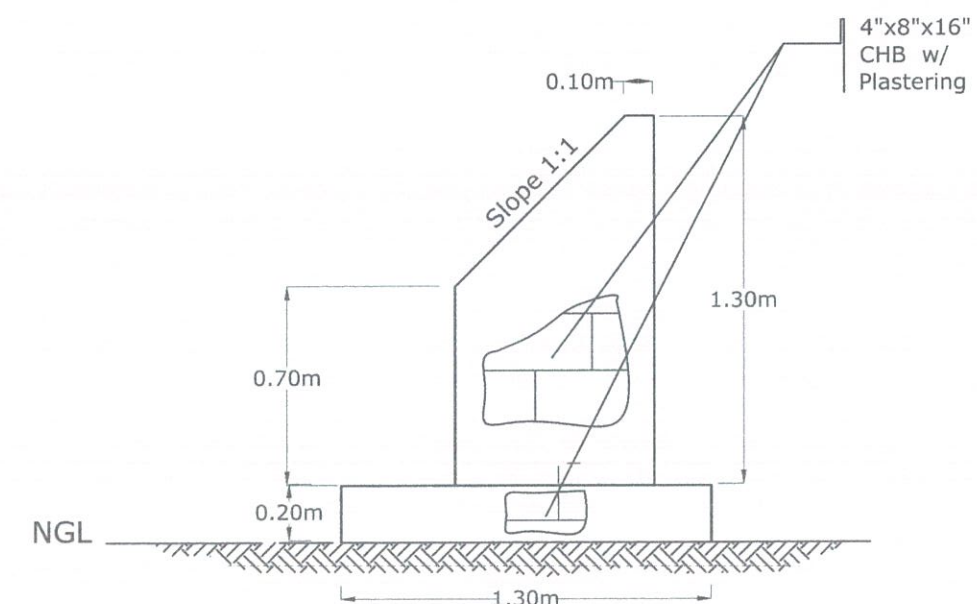
FRONT SIDE VIEW W/ Footing Section



Left Side View



Isometric View




Right Side View

PLAN AND ISOMETRIC VIEWS OF CONCRETE SIGNAGE

NOT TO SCALE

	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING <small>OF-SP200-GOP1-04 REV 08 AUGUST 28, 2024</small>	PROJECT TITLE PROPOSED COLD STORAGE EXPANSION PROJECT	PREPARED BY: ENGR. MARK LESTER L. NATIVIDAD <small>ENGINEER II ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</small>	REVIEWED BY: ENGR. ROMEL A. CABALLERO <small>ENGINEER III ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</small>	RECOMMENDING APPROVAL: ENGR. ALLAN C. COLENG <small>ENGINEER IV ENGINEERING PLANS DESIGNS AND SPECIFICATIONS DIVISION</small>	APPROVED BY: BALDWIN G. JALLORINA, Ph.D. <small>DIRECTOR IV BUREAU OF AGRICULTURAL AND FISHERIES ENGINEERING</small>	 DANIEL REFONSO N. ATAYDE <small>ASSISTANT SECRETARY OFFICE OF THE ASSISTANT SECRETARY FOR LOGISTICS</small>	SHEET CONTENT PROJECT CONCRETE SIGNAGE	SHEET NO. 16/17
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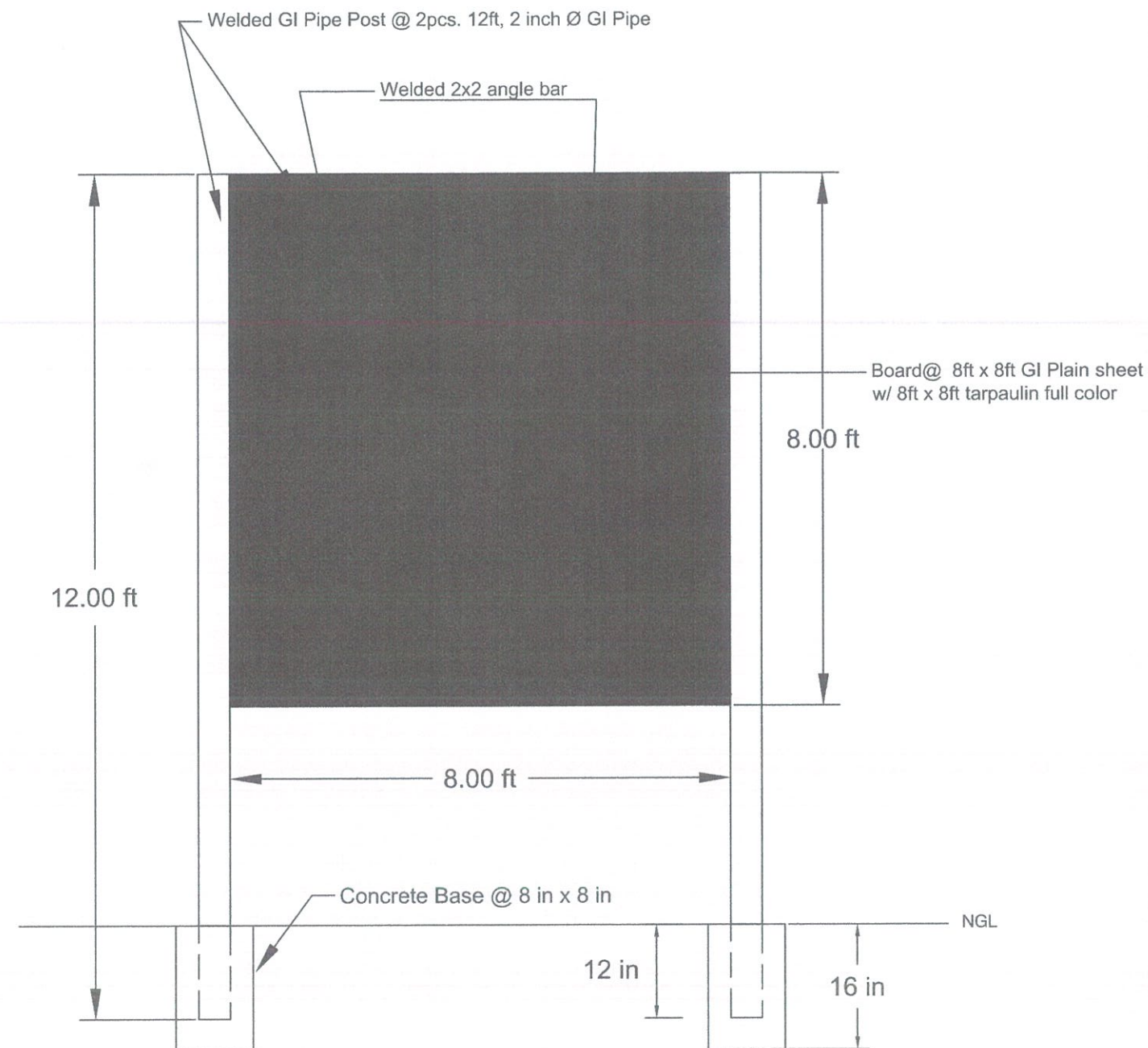
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD OFFICE (NO.)
(ADDRESS)

Project Name: _____
 Location: _____
 Cost: _____
 Fund Source/s: _____
 Implementing Agency/ies: _____
 Development Partner/s: _____
 Contractor/Supplier: _____
 Brief Description: _____

Project Details:

Project Date		Project Status		Remarks

FOR PARTICULAR COMPLAINTS ON THIS PROJECT PLEASE CONTACT THE REGIONAL OFFICE
 DEPARTMENT OF AGRICULTURE REGION (NO.)
 (ADDRESS)
 TEL. NO. (XXXX) & WEBSITE: www.(XXXX).da.gov.ph



 **DETAILS OF PROJECT TARPAULIN**
Scale NTS

 **DETAILS OF PROJECT BILLBOARD**
Scale NTS

DEPARTMENT OF AGRICULTURE-REGIONAL FIELD OFFICE 1

NAME OF PROCURING ENTITY _____

PROJECT REFERENCE NO.: _____

NAME OF PROJECT: _____

**STATEMENT OF ALL ON-GOING 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****CONTRACT TO BE BID:** _____**BUSINESS NAME:** _____**BUSINESS ADDRESS:** _____

Name of Contract/ Location Project Cost	a. Owner's Name b. Address c. Telephone Nos.	NATURE OF WORK	CONTRACTOR'S ROLE		a. Date Awarded b. Date Started c. Date of delivery	% Accomplishment		Value of Outstanding Works
			Description	%		Planned	Actual	

Note: This statement shall be supported with:

1. Notice of Award and/or Contract
2. Notice to Proceed issued by the Owner

Submitted by:

Name of Representative of BidderPosition

Date: _____

DEPARTMENT OF AGRICULTURE-REGIONAL FIELD OFFICE 1
NAME OF PROCURING ENTITY

Standard Form Number SF-GOODS-13b
Revised on July 28, 2004

Project Reference No.: _____
Name of the Project: _____
Location of the Project: _____

**Statement identifying the Bidder's Single Largest Completed Contract (SLCC) similar in nature
within the relevant period (2 years) as provided in the bidding documents**

Contract to be Bid: _____
Business Name: _____
Business Address: _____

Name of Client	a. Owner's Name b. Address c. Telephone Nos.	Title of the Project in the Contract	Nature of Work	a. Date Awarded b. Contract Effectivity c. Date Completed	Contractor's Role (whether sole contractor, subcontractor, or partner in a JV)		a. Total Contract Value at Award b. Total Contract Value at Completion c. Contract Duration
					Description	%	
<u>Government</u>							
<u>Private</u>							

Note: This statement shall be supported with:

1. Notice of Award
2. Notice to Proceed
3. Contract
4. Owner's Certificate of Acceptance, or
5. Sales Invoice, or
6. Official Receipt (OR) of last payment made relative to the contract

Submitted by : _____
(Printed Name and Signature)

Designation : _____

Date : _____

Bid Securing Declaration Form

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

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

BID SECURING DECLARATION **Project Identification No.: *[Insert number]***

To: **DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE 1**
City of San Fernando, La Union

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]

THE BIDS AND AWARDS COMMITTEE

Department of Agriculture Regional Field Office 1
San Fernando City, La Union

Subject: **Production/Delivery Schedule**

Dear Sirs/Madams:

This has reference to the bidding for the supply and delivery of _____ for DA RFO 1 scheduled on _____.

Please be informed that we will deliver the required Goods within _____ days after receipt of the corresponding Purchase Order (PO) or as needed by the end-user.

Very respectfully yours,

THE BIDS AND AWARDS COMMITTEE

Department of Agriculture Regional Field Office 1
San Fernando City, La Union

Subject: **Manpower Requirements**

Dear Sirs/Madams:

This has reference to the bidding for the supply and delivery of _____
for DA RFO 1 scheduled on _____.

Please be informed that we will engage _____ manpower for the delivery of the GOODS
needed by the end-user with the following functions:

Very respectfully yours,

THE BIDS AND AWARDS COMMITTEE

Department of Agriculture Regional Field Office 1
San Fernando City, La Union

Subject: **After Sales Service**

Dear Sirs/Madams:

This has reference to the bidding for the supply and delivery of _____
for DA RFO 1 scheduled on _____.

Please be informed that we will undertake to assist the end-user of the project in regard
to after sales services of the GOODS supplied by the undersigned.

Very respectfully yours,

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

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

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

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

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

2. *[Select one, delete the other:]*

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

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

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

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY

Summary of the Applicant Supplier's/Distributor's assets and liabilities on the basis of the attached Income Tax Return and Audited Financial Statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent for the immediately preceding year.

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

The Net Financial Contracting Capacity (NFCC), which must be at least equal to the ABC to be bid, based on the above data is calculated as follows:

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

Or,

If the prospective bidder opts to submit a Committed Line of Credit (CLC), it must be at least equal to ten percent (10%) of the ABC to be bid and shall be confirmed or authenticated by a local universal or commercial bank.

Name of Bank Amount

Herewith attached are certified true copies of the Income Tax Return and Audited Financial Statement Stamped "RECEIVED" by the BIR authorized collecting agent for the immediately preceding year.

Submitted by:

Name of Supplier/Distributor/Manufacturer

Printed Name and Signature of Authorized Representative
Date:

Bid Form for the Procurement of Goods

[shall be submitted with the Bid]

BID FORM

Date: _____

Project Identification No.: _____

To: DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE 1
City of San Fernando, La Union

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, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. 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 or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner:

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state "None")]

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

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

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, 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: _____

Price Schedule for Goods Offered from Abroad
[shall be submitted with the Bid if bidder is offering goods from Abroad]

For Goods Offered from Abroad

Name of Bidder _____ Project ID No. _____ Page ____ of ____

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Quantity	Unit price CIF port of entry (specify port) or CIF named place (specify border point or place of destination)	Total CIF price per item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)

Name: _____

Legal Capacity: _____

Signature: _____

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

Price Schedule for Goods Offered from Within the Philippines
[shall be submitted with the Bid if bidder is offering goods from within the Philippines]

For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No. _____ Page ____ of ____

[illegible]

Name: _____

Legal Capacity: _____

Signature: _____

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