



Republic of the Philippines  
**CITY GOVERNMENT OF SAN CARLOS**  
Province of Negros Occidental

**BIDS AND AWARDS COMMITTEE  
(BAC)**

**BIDDING DOCUMENTS**

**FOR**

**Purchase Request No. 221-24-08-1480**  
**Approved Budget of the Contract (ABC): ₱ 15,124,400.00**

**Contract Name:**

**CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT GUADALUPE  
INTEGRATED SCHOOL, BRGY GUADALUPE, SAN CARLOS CITY,  
NEGROS OCCIDENTAL**

**With Terms of Reference (TOR) and Project Plan**

**(First Envelope: Eligibility and Technical Components)**

SUBMITTED BY :  
ADDRESS :  
CONTACT NO. :  
EMAIL AD :

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

\_\_\_\_\_  
DATE OF SUBMISSION

## INSTRUCTIONS TO BIDDERS

1. Please submit sets of documents completely in two separate envelopes:  
The First Envelope (Original, Copy 1 and Copy 2) containing Eligibility & Technical Documents  
The Second Envelope (Original, Copy 1 and Copy 2) containing Financial Documents.
2. Check that all annexes are in accordance with the prescribed format and submit it in chronological order.
3. Submit your completed bid documents on or before the time of the opening of bids mentioned below.
4. Electronic submission and receipt of bids is not available pending compliance with GPPB Resolutions.

Compliance of the above is for mutual advantage, i.e. to facilitate a complete and thorough evaluation of your bid documents.

### SCHEDULES

**Schedule/Place of Pre-bid Conference**

**Sept. 19, 2024 @ 8:30AM**  
BAC Secretarial Office  
2F City Hall Building

**Schedule/Place of Bid Opening**

**Oct. 1, 2024 @ 1:30 PM**  
BAC Secretarial Office  
2F City Hall Building

**Nonrefundable fee of Bidding Documents @ Php 25,000.00**

**Bid and Awards Committee  
City of San Carlos**





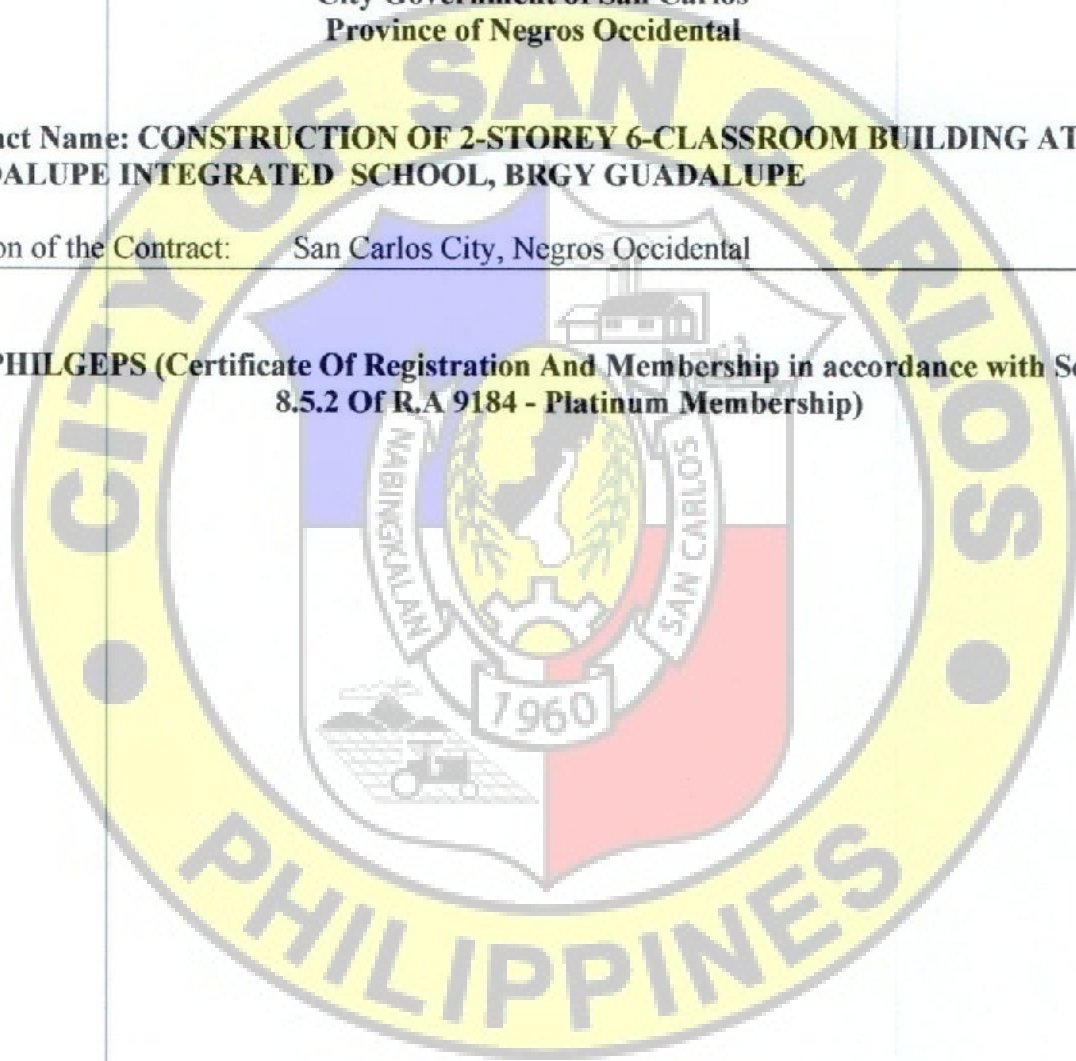
**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

---

- 1. PHILGEPS (Certificate Of Registration And Membership in accordance with Section 8.5.2 Of R.A 9184 - Platinum Membership)**





**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

**Location of the Contract: San Carlos City, Negros Occidental**

---

**2. JOINT VENTURE AGREEMENT (JVA), IF APPLICABLE**

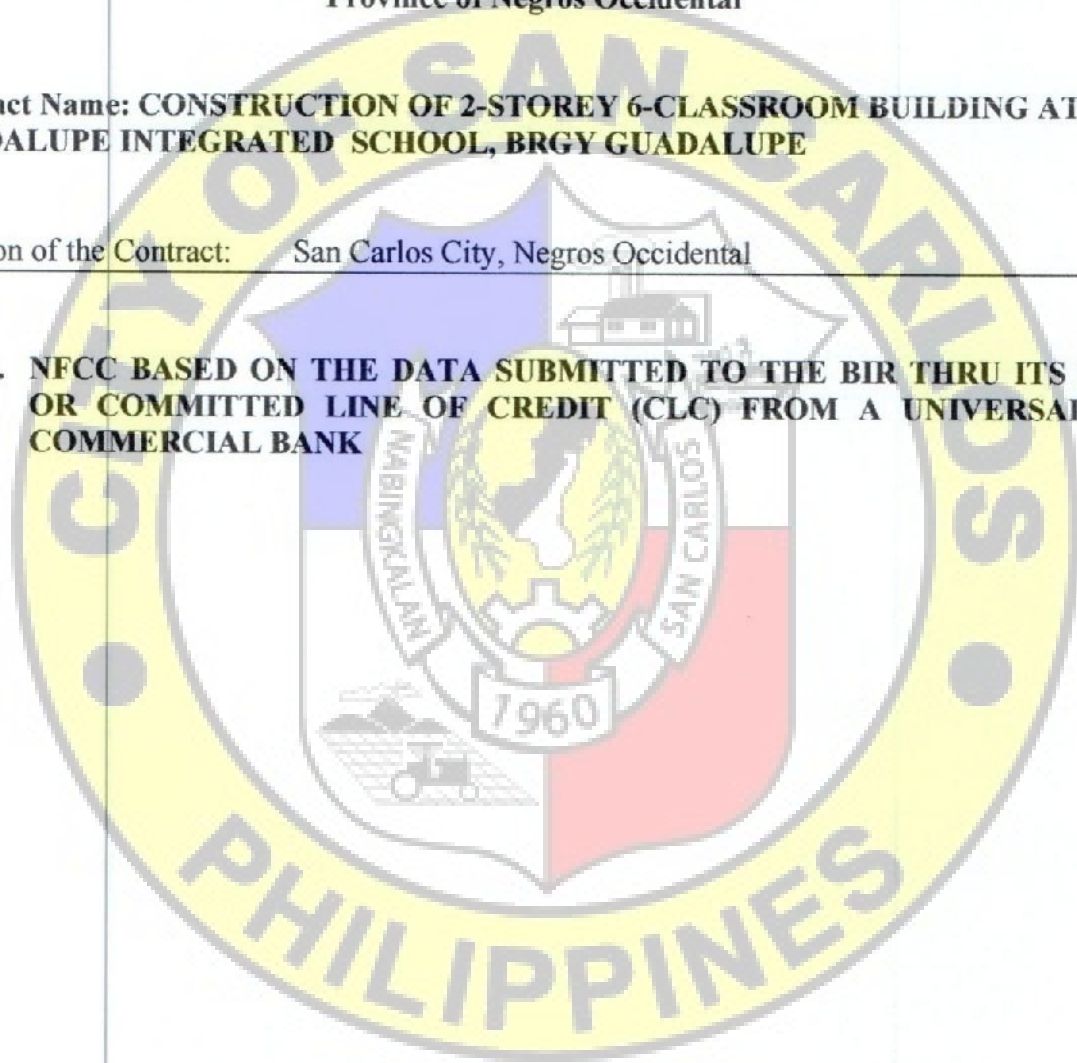


**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

- 3. NFCC BASED ON THE DATA SUBMITTED TO THE BIR THRU ITS EFPS  
OR COMMITTED LINE OF CREDIT (CLC) FROM A UNIVERSAL OR  
COMMERCIAL BANK**



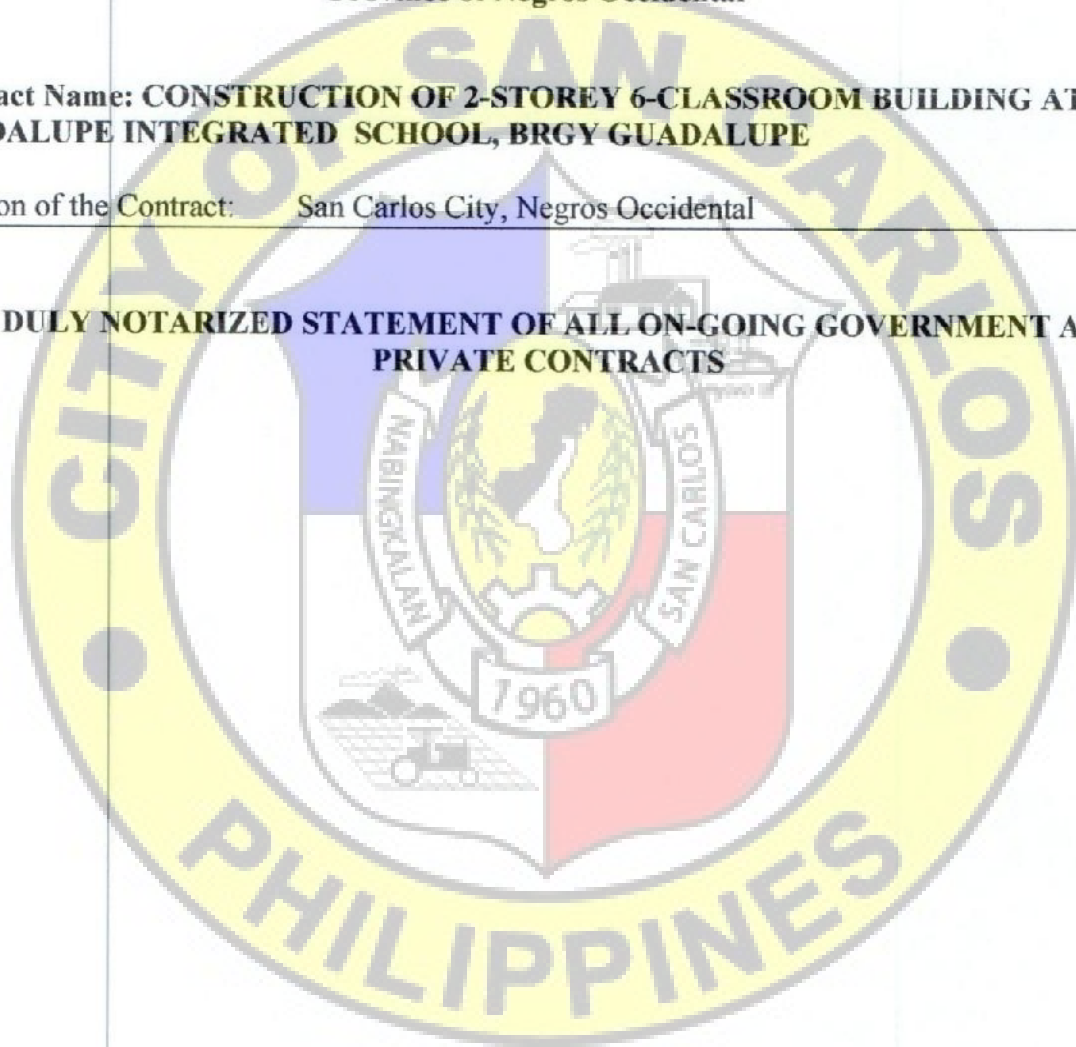
**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

**Location of the Contract: San Carlos City, Negros Occidental**

---

**4. DULY NOTARIZED STATEMENT OF ALL ON-GOING GOVERNMENT AND  
PRIVATE CONTRACTS**





**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

**5. DULY NOTARIZED STATEMENT OF:**

- A. At least three (3) Completed Similar Contracts (Government or Private) for the last five (5) years.**
- B. Single Largest Completed Contract (SLCC) at least 50% of the total ABC.**

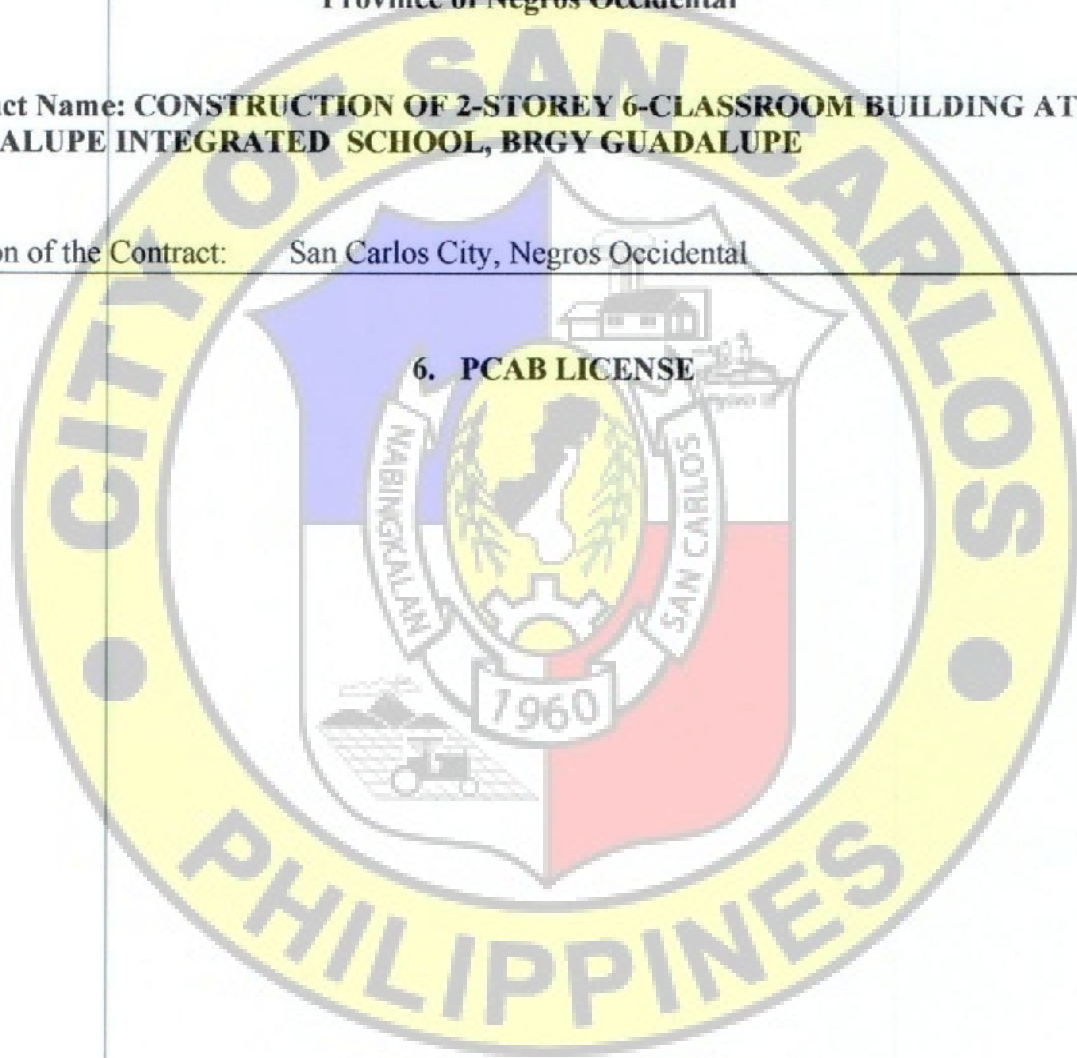
**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

**Location of the Contract: San Carlos City, Negros Occidental**

---

**6. PCAB LICENSE**



Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental

Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE

Location of the Contract: San Carlos City, Negros Occidental

7. PROJECT REQUIREMENTS:

- a. Organizational Chart for the contract to be bid
- b. List of Contractor's Personnel (Civil Engineer, Skilled laborers [to include Mason, Welder, and Carpenter], and Manual laborers) to be assigned to the contract to be bid with their complete qualification and experience data
- c. List of Contractor's Equipment (owned, leased and/or under purchase agreements, supported by certification of availability of equipment from the equipment lessor/vendor for the duration of the project)
- d. Duly Notarized Affidavit of Site Inspection (Please see attached Form)

Name of the Procuring Entity

Contract Reference Number  
Name of the Contract  
Location of the Contract

Standard Form Number: SF-INFR-51

Revised on: August 11, 2004

AFFIDAVIT OF SITE INSPECTION

I, \_\_\_\_\_ (Representative of the Bidder) \_\_\_\_\_, of legal age, \_\_\_\_\_ civil status \_\_\_\_\_, Filipino and residing

at \_\_\_\_\_ (Address of the Representative) \_\_\_\_\_, under oath, hereby depose and say:

That I am the \_\_\_\_\_ (Position in the Bidder) \_\_\_\_\_ of the \_\_\_\_\_ (Name of the Bidder) \_\_\_\_\_, with office at \_\_\_\_\_ (Address of the Bidder) \_\_\_\_\_;

That I have inspected the site for \_\_\_\_\_ (Name of the Contract) \_\_\_\_\_, located at \_\_\_\_\_ (Location of the Contract) \_\_\_\_\_;

That I am making this statement as part of the requirement for the Technical Proposal of the \_\_\_\_\_ (Name of the Bidder) \_\_\_\_\_ for \_\_\_\_\_ (Name of the Contract) \_\_\_\_\_.

IN FAITH WHEREOF, I hereby affix my signature this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ at \_\_\_\_\_, Philippines.

SUBSCRIBED AND SWORN TO before me this \_\_\_\_\_, day of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_\_ AFFIANT  
affiant

Exhibiting to me his/her Community Tax Certificate No. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_, Philippines.

Public)

\_\_\_\_\_  
(Notary

Until

PTR No.

Date \_\_\_\_\_

Place \_\_\_\_\_

TIN \_\_\_\_\_

Document No. \_\_\_\_\_

Page No. \_\_\_\_\_

Book No. \_\_\_\_\_

Series of \_\_\_\_\_



**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

**8. BID SECURITY IN ANY OF THE FOLLOWING FORMS:**

- |   |   |
|---|---|
| a) Cash or cashier's / Manager's Check issued by a Universal or Commercial Bank in favor of the City Treasurer of San Carlos City.  | :Two percent (2%) of the ABC  |
| b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank. Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank. | :Two percent (2%) of the ABC  |
| c) Surety Bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.  | :Fiver percent (5%) of the ABC  |
| d) Any combination of the foregoing   | :Proportionate to share form with respect to total amount of security |
| e) Bid Securing Declaration   |   |

REPUBLIC OF THE PHILIPPINES  
CITY OF SAN CARLOS, NEGROS OCCIDENTAL) S.S.

**BID SECURING DECLARATION**

**Project Identification No. / Purchase Request (PR) No. : 221-24-08-1480**

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

I/We, the undersigned, declare that:

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

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

*[Insert NAME OF BIDDER OR ITS AUTHORIZED  
REPRESENTATIVE]*

*[Insert signatory's legal capacity]*

Affiant

[Jurat]

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



**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

---

**9. OMNIBUS SWORN STATEMENT IN ACCORDANCE WITH SECTION 25.3**

*for*

**Purchase Request (PR) No. 221-24-08-1480**

REPUBLIC OF THE PHILIPPINES)

CITY OF SAN CARLOS, NEGROS OCCIDENTAL) 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]





Republic of the Philippines  
**CITY GOVERNMENT OF SAN CARLOS**  
Province of Negros Occidental

**BIDS AND AWARDS COMMITTEE  
(BAC)**

**BIDDING DOCUMENTS**

**FOR**

**Purchase Request No. 221-24-08-1480**  
**Approved Budget of the Contract (ABC): ₱ 15,124,400.00**

**Contract Name:**

**CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT GUADALUPE  
INTEGRATED SCHOOL, BRGY GUADALUPE, SAN CARLOS CITY,  
NEGROS OCCIDENTAL**

**With Terms of Reference (TOR) and Project Plan**

**(Second Envelope: Financial Component)**

SUBMITTED BY : \_\_\_\_\_  
ADDRESS : \_\_\_\_\_  
CONTACT NO. : \_\_\_\_\_  
EMAIL AD : \_\_\_\_\_

\_\_\_\_\_  
DATE OF SUBMISSION

## INSTRUCTIONS TO BIDDERS

1. Please submit sets of documents completely in two separate envelopes:  
The First Envelope (Original, Copy 1 and Copy 2) containing Eligibility & Technical Documents  
The Second Envelope (Original, Copy 1 and Copy 2) containing Financial Documents.
2. Check that all annexes are in accordance with the prescribed format and submit it in chronological order.
3. Submit your completed bid documents on or before the time of the opening of bids mentioned below.
4. Electronic submission and receipt of bids is not available pending compliance with GPPB Resolutions.

Compliance of the above is for mutual advantage, i.e. to facilitate a complete and thorough evaluation of your bid documents.

### SCHEDULES

**Schedule/Place of Pre-bid Conference**

**Sept. 19, 2024 @ 8:30AM**

BAC Secretarial Office  
2F City Hall Building

**Schedule/Place of Bid Opening**

**Oct. 1, 2024 @ 1:30 PM**

BAC Secretarial Office  
2F City Hall Building

**Nonrefundable fee of Bidding Documents @ Php 25,000.00**

**Bid and Awards Committee  
City of San Carlos**

**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

---

**CHECKLIST OF FINANCIAL PROPOSALS/REQUIREMENTS**

1. Duly Signed Form of Bid
2. Duly Signed Bid Price in the Bill of Quantities
3. Duly Signed Detailed Estimates
4. Duly Signed Cash flow by quarter and payment schedule



**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

---

**1. DULY SIGNED BID FORM**

Date : \_\_\_\_\_

Project Identification / Purchase Request No. : 221-24-08-1480

To: [name and address of Procuring Entity]

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

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: [insert name of contract];
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: [insert information];
- d. The discounts offered and the methodology for their application are: [insert information];
- e. The total bid price includes the cost of all taxes, such as, but not limited to: [specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of [insert percentage amount] percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>1</sup> for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Date: \_\_\_\_\_

---



**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

**Location of the Contract: San Carlos City, Negros Occidental**

**2. DULY SIGNED BID PRICE IN THE BILL OF QUANTITIES**

(Columns (1), (2) and (3) are to be filled up by the Procuring Entity)			(Columns (4) and (5) are to be filled up by the Bidder)	
DESCRIPTION (1)	UNIT (2)	QTY (3)	UNIT PRICE (PESOS) (4)	AMOUNT (PESOS) (5)
I	Mobilization	Lot	1.0	In words: Pesos In figures: PHP
II	Concrete and Masonry Works	Sq.m	90.0	In words: Pesos In figures: PHP
III	Roofing Framing and Roofing Works	Sq.m	192.0	In words: Pesos In figures: PHP
IV	Ceiling Works	Sq.m	144.0	In words: Pesos In figures: PHP
V	Tile Works	Sq.m	90.0	In words: Pesos In figures: PHP
VI	Painting Works	Sq.m	144.0	In words: Pesos In figures: PHP
VII	Doors and Windows	lot	1.0	In words: Pesos In figures: PHP
VIII	Plumbing Works	lot	1.0	In words: Pesos In figures: PHP
IX	Electrical Works	lot	1.0	In words: Pesos In figures: PHP
X	Demobilization	lot	1.0	In words: Pesos In figures: PHP
<b>TOTAL BID COST</b>				In words: Pesos _____
				In figures: PHP _____

Submitted by:

\_\_\_\_\_  
Name of the Representative of the Bidder

\_\_\_\_\_  
Position

\_\_\_\_\_  
Name of the Bidder Company

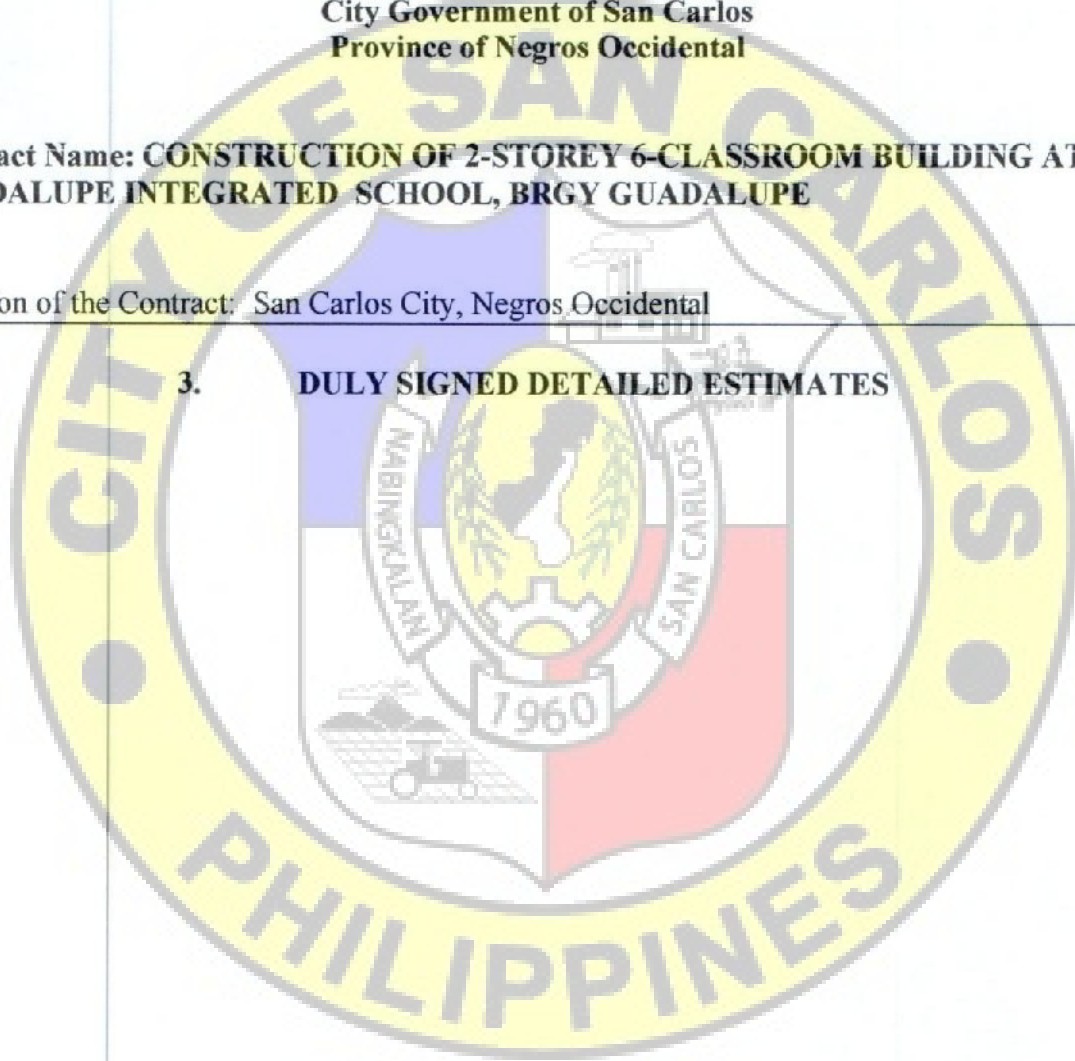
Date: \_\_\_\_\_

**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

**3. DULY SIGNED DETAILED ESTIMATES**





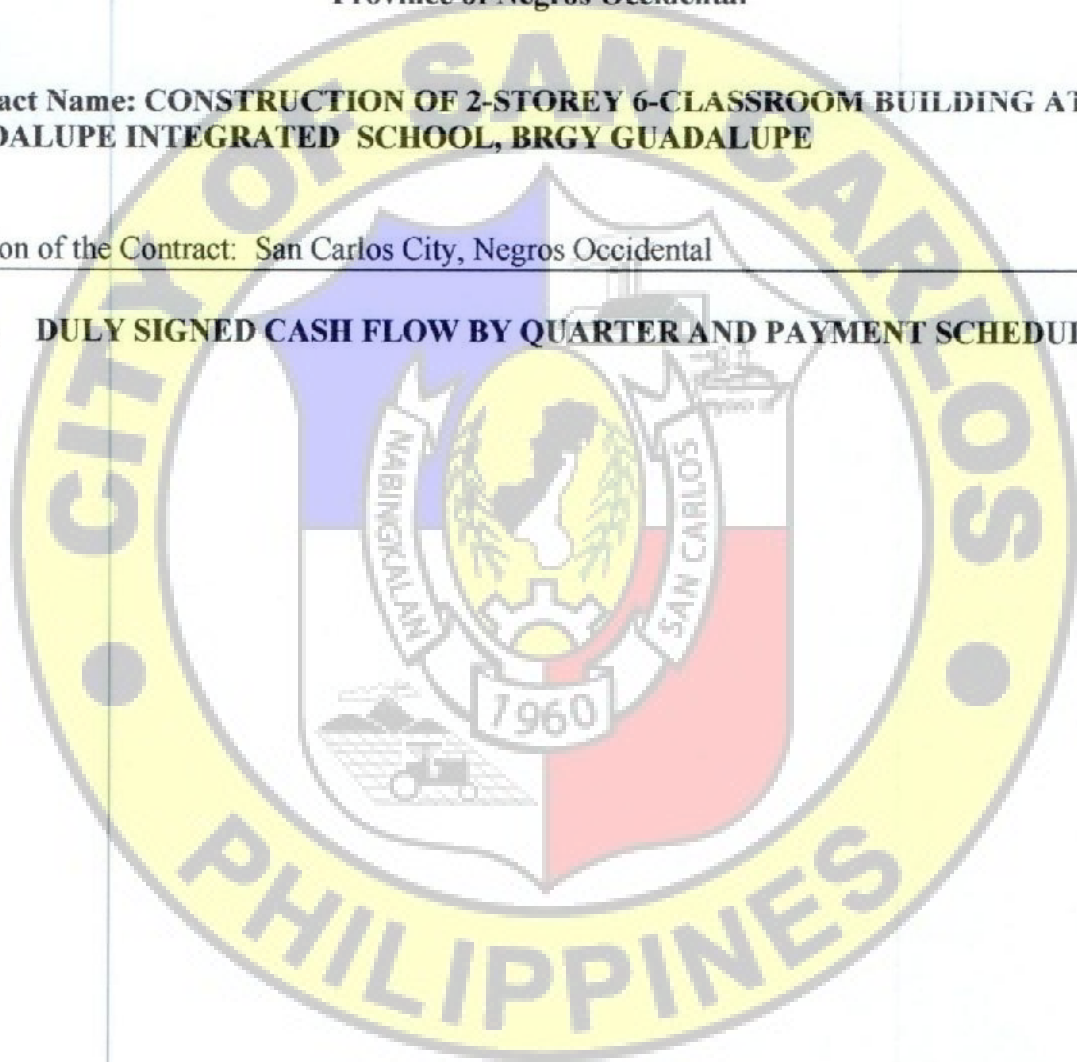
**Republic of the Philippines  
City Government of San Carlos  
Province of Negros Occidental**

**Contract Name: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT  
GUADALUPE INTEGRATED SCHOOL, BRGY GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

---

**4. DULY SIGNED CASH FLOW BY QUARTER AND PAYMENT SCHEDULE**



**APPROVAL PAGE**

**CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT GUADALUPE  
INTEGRATED SCHOOL, BRGY GUADALUPE**

**(P 15,124,400.00)**

**TERMS OF REFERENCE**

City of San Carlos  
Province of Negros Occidental

Prepared by:

**John Leur C. Virtucio**

Engineer I

Reviewed by:

**Rexter E. Nemenzo**

Engineer IV / OIC-CED

Approved by:

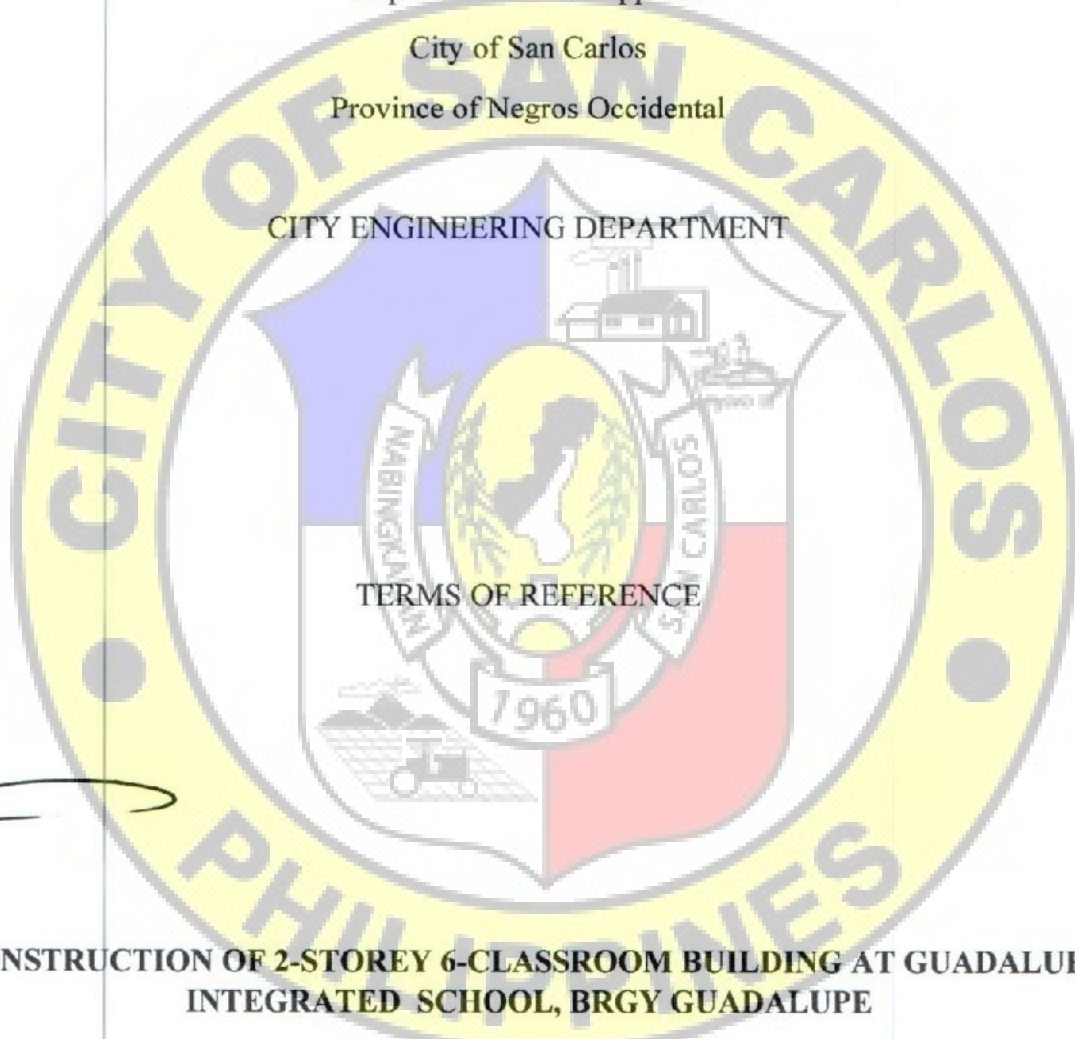
**Renato Y. Gustilo**

City Mayor

Republic of the Philippines

City of San Carlos

Province of Negros Occidental



CITY ENGINEERING DEPARTMENT

TERMS OF REFERENCE

*Jm*

**CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING AT GUADALUPE  
INTEGRATED SCHOOL, BRGY GUADALUPE**

**(P 15,124,400.00)**

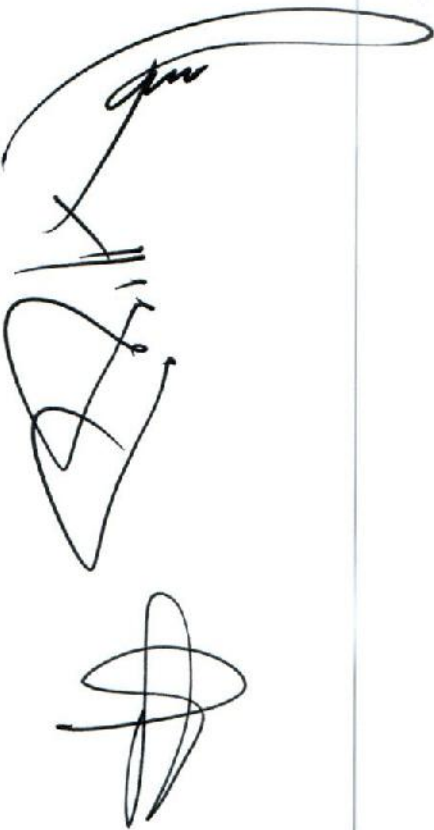
*[Handwritten signature]*

*[Handwritten signature]*



TABLE OF CONTENTS

A. Background	4
B. General Objective	4
C. The Bidder/Contractor	4
D. The Requirements	4
E. Delivery/Completion	9
F. Manpower Requirement	9
G. Warranty	9
H. Payment Scheme	9



## A. Background

The City Government through the City Engineering Department continuously construct classrooms and school buildings to provide a very comprehensive learning experience with close supervision by experienced and qualified faculty members.

## B. General Objectives

The objective of the construction program of the DepEd is to focus on making connections for students, allowing them to engage in relevant, meaningful activities that can be connected to real life. It aims to connect the theory learned in the classroom, with practical, real life knowledge and experiences

## C. The Bidder

The bidder should have an experience in a construction of at least a two-storey school building for the last 5 years.

## D. The Requirements

### 1. Scope of Works

#### General Conditions

- The project is a construction of 2-storey 6-Classroom School building.
- All plans and specifications shall be provided by the end-user.
- The work to be executed in this project shall include the following scope of Works:

- **Mobilization** - includes setting up Temporary Facility (bunkhouse) and Project Billboard
- **Earthworks** - includes Structural Excavation and Backfilling with Soil poisoning
- **Concrete Works** - includes Footings, Tie beams, Slab on fill, Columns, floor beams, floor slab, lintel beams, stiffener columns, and Roof Beams. This also includes the false works (forms and scaffolding) provision.
- **Masonry Works** - includes interior and exterior CHB Wall with mortar and plastering.
- **Roof Framing** - involves welding works of C-Purlins rafter, Metal Fascia and Roof Trusses,
- **Roofing works** - involves the purchase and installation of Pre-painted Corrugated G.I. Roof, pre-painted Ridge Roll, primary and secondary pre-painted metal fascia flashing.



- **Ceiling works** - involves interior and exterior fiber cement board ceiling on Metal framing. It also includes the installation ceiling vents.
- **Tile work** - Non-skid 30x30cm ceramic Floor tiles and Glossy 30x30cm ceramic wall Tiles for Comfort Room only.
- **Painting works** - includes Painting of interior and exterior walls on Semi-gloss paint finish. Painting of exterior and interior ceiling on Flat Latex paint finish. Application of Red oxide metal primer on roof framing materials. It also includes painting works for Doors and stair railings
- **Doors and Windows** - includes the supply and install of Main Panel Doors on Wooden Door Jamb with complete accessories (Loose pin hinges and door locks) and PVC Door for the comfort rooms. Jalouplus windows with Steel window grills.
- **Plumbing works** - involves water supply and sanitary pipelines, Plumbing fixtures (water closet, lavatory, faucet and floor drains), Septic Vault (3 chambers), 2 units Stainless Steel water tank 2000L, Centrifugal pump and Pressure tank with complete accessories.
- **Electrical works** - includes Electrical Fixtures (Lighting and Convenience outlets), Electrical Wires, Conduits and Circuit Breakers.
- **Stairs and Railings** - construction of Concrete stairs and Fire exit steel stairs with stair Railings.
- **Chalk Board** - fabrication and installation of curved chalkboard on a S4S Wood Frame.
- **Demobilization** - clearing and cleaning of the project site.

- The contractor shall make sure that the existing adjacent structures shall be protected from damage during construction.
- All workmanship and materials used in the project shall be of quality standard and in accordance with the technical specifications, plans, and other requirements
- All workmanship, materials and fixtures shall be subjected for inspection by the Engineer /Project in charged that may check and ask for samples of materials to be used for the said project
- Construction safety and health protocols should be observed at all times by the contractor during the duration of the project.
- Clean up of the construction site after the project shall be the responsibility of the contractor



## 2. Material Specifications

### CONCRETE AND MASONRY WORKS

Portland Cement Type 1  
Washed Sand  
Crushed Gravel 3/4"  
CHB 4: x 8" x 16"  
10mm DRSB x 6m  
12mm DRSB x 6m  
16mm DRSB x 6m  
20mm DRSB x 6m  
Rough Lumber  
Phenolic Board 4' x 8' x 1/2"  
GI tie Wire #16  
CW Nails Assorted  
Concrete Nails Assorted

### ROOFING FRAMING AND ROOFING WORKS

Angle bar 2"x2"x 1/4"  
Angle bar 1.5"x1.5"x 1/4"  
Angle bar 1"x1"x 1/8"  
C-Purlins 2" x 6" x No.16  
C-Purlins 2" x 3" x No.16  
10mm DRSB  
12mm DRSB  
Welding Electrode  
Pre-painted Corr. GI Roof 0.4mm x 1.0m x L.S.  
Ridge Roll 0.40mm x 18" x 2.44m  
Metal Facsia 0.40mm x 18" x 2.44m  
Flashing Facsia Cover 0.40mm x 18" x 2.44m  
Metal Facsia 0.40mm x 24" x 2.44m  
Teks Screw 2"  
Blind Revits 5/32"

### CEILING WORKS

Fiber Cement Board 4' x 8' x 3/16"  
Double Furring  
Carrying Channel  
Wall Angle  
W-Clip  
Job Screw  
Hardiflex Screw  
Diamond Cutting Disc

**TILE WORKS**

30 x 30cm Non Skid Floor Tiles  
30 x 30cm Gloss Wall tiles  
Portland Cement  
Washed Sand  
Tile Adhesive

**PAINTING WORKS**

Acrylic Primer  
Acrylic Reducer  
Semi Gloss Latex  
Flat Latex  
Body Filler  
Marine Epoxy  
QDE  
Red Oxide Metal Primer  
Paint Thinner  
Tinting Color latex  
Tinting Color oil  
Skimcoat  
Patching Compound  
Paint Roller Assorted  
Paint Brush Assorted  
Sand Paper Assorted

**DOORS AND WINDOWS**

Panel Door 0.90 x 2.10m  
Door Jamb 2" x 6"  
PVC Door 0.60m x 2.10m  
Door Lock set  
Loose Pin Hinges 3.5"x 3.5"  
Jalouplus Windows  
Round Bar 12mm Window Grills  
Angle Bar 1" x 1" x 1/4"

**PLUMBING WORKS**

Back Tank type Water Closet with  
complete accessories  
Lavatory Ceramic with accessories  
Faucet, best quality  
pvc tee 4x4  
pvc elbow 4x90  
pvc elbow 4 x 45  
pvc solvent 200cc  
pvc pipe 4" sc 900  
pvc pipe 2" sc 900

pvc elbow 1/2 x 90 threaded blue  
pvc elbow 1/2 x 90 plain blue  
pvc tee 1/2 threaded blue  
pvc tee 1/2 plain blue  
pvc mail adaptor blue  
pvc female adaptor blue  
teflon tape  
Stainless Steel Water Tank Vertical 2000L  
Gi Pipe 2" Sch. 40  
Gi Pipe 1.5" Sch. 40  
Angle bar 1.5"x1.5"x 1/4"  
Angle bar 1"x1"x 1/5"  
Flat Bar 2" x 1/4"  
Centrifugal Pump 1hp (Head = 6meters)  
with Pressure Tank and complete accessories  
(gate valves and check valves)  
Concrete Septic Vault 3 holes

#### **ELECTRICAL WORKS**

THHN Stranded wire No.8 (150m/roll)  
THHN Stranded wire No.10 (150m/roll)  
THHN Stranded wire No.12 (150m/roll)  
THHN Stranded wire No.14 (150m/roll)  
Circuit Breaker 30 Amperes  
Pinlight Housing 4" for classrooms  
12W LED Bulb for classrooms  
Flexible hose 1" (100m/roll)  
Electrical Moulding 1"  
3 gang convenience outlet flush mount type  
2 gang switch flush mount type  
Electrical Conduit 20mm dia. x 3m  
Electrical Conduit 25mm dia. x 3m  
Electrical Conduit 50mm dia. x 3m  
Utility box 2"x4"  
Junction box Octagon  
Electrical Tape Big

#### **STAIRS AND RAILINGS**

Portland Cement  
Washed Sand  
Crushed Gravel  
CHB 4: x 8" x 16"  
10mm DRSB  
12mm DRSB  
GI Pipe 3" Sch.40 Hand Rails  
Gi Pipe 2" Sch. 40 Post



RL 2"x2"x8"  
Ordinary Plywood 1/2"  
GI tie Wire  
Welding Electrode  
CW Nails Assorted  
Concrete Nails Assorted  
Angle Bar 2" x 2" x 1/4  
Angle bar 1.5"x1.5"x 1/4"  
Angle bar 1"x1"x 1/4"  
Flat Bar 1/5" x 1/4"

**CHALKBOARD**

Ordinary Plywood 4' x 8' x 1/4"  
S4S Lumber 2"x2"x8"  
S4S Lumber 1"x2"x8"  
Assorted Finishing Nails  
Assorted Common wire Nails

**E. Delivery / Completion**

Delivery/completion shall be within 240 calendar days.

**F. Man Power Requirement**

Manpower for the project shall be at least of the following;

- a. One Civil Engineer
- b. Skilled Laborers
- c. Manual Laborers

**G. Warranty**

Warranty shall be for a period of one year from the turn-over of the completed project.

**H. Payment Scheme**

The city has allocated a budget of Fifteen Million, One Hundred twenty-four thousand, Four hundred Pesos (15,124,400.00Php) for the project. The winning bidder shall be paid in accordance with **R.A. 9184** and other relevant laws.

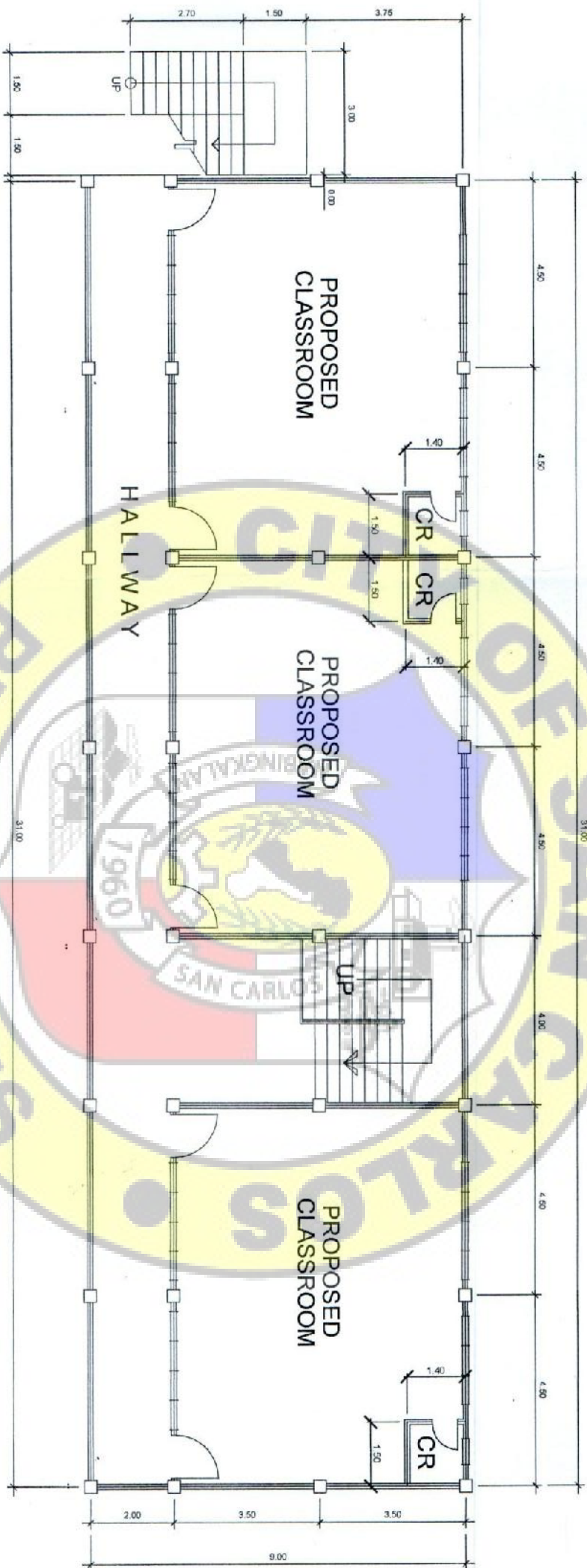




P E R S P E C T I V E

From the office of <b>CED</b> CITY ENGINEERING DEPARTMENT	
Project Title: <b>CONSTRUCTION OF 2-STORY          6-CLASSROOM BUILDING @ GUADALUPE          INTEGRATED SCHOOL</b>	Prepared by: <b>ENGR. JOHN LEUR VIRTUCIO</b> ENGINEER - 1
Location: <b>PROV. GUADALUPE, SAN CARLOS CITY, NEG. OCC.</b>	Checked by:  <b>ENGR. MELVIN R. STRONES</b> Engineer III
Recommended for Approval:  <b>ENGR. DEXTER E. NEVENZO</b> Engineer IV - C/C - CED	Approved as to Plans and Specifications:  <b>HON. RENATO V. JUSTILLO</b> CITY MAYOR
Sheet No. 	

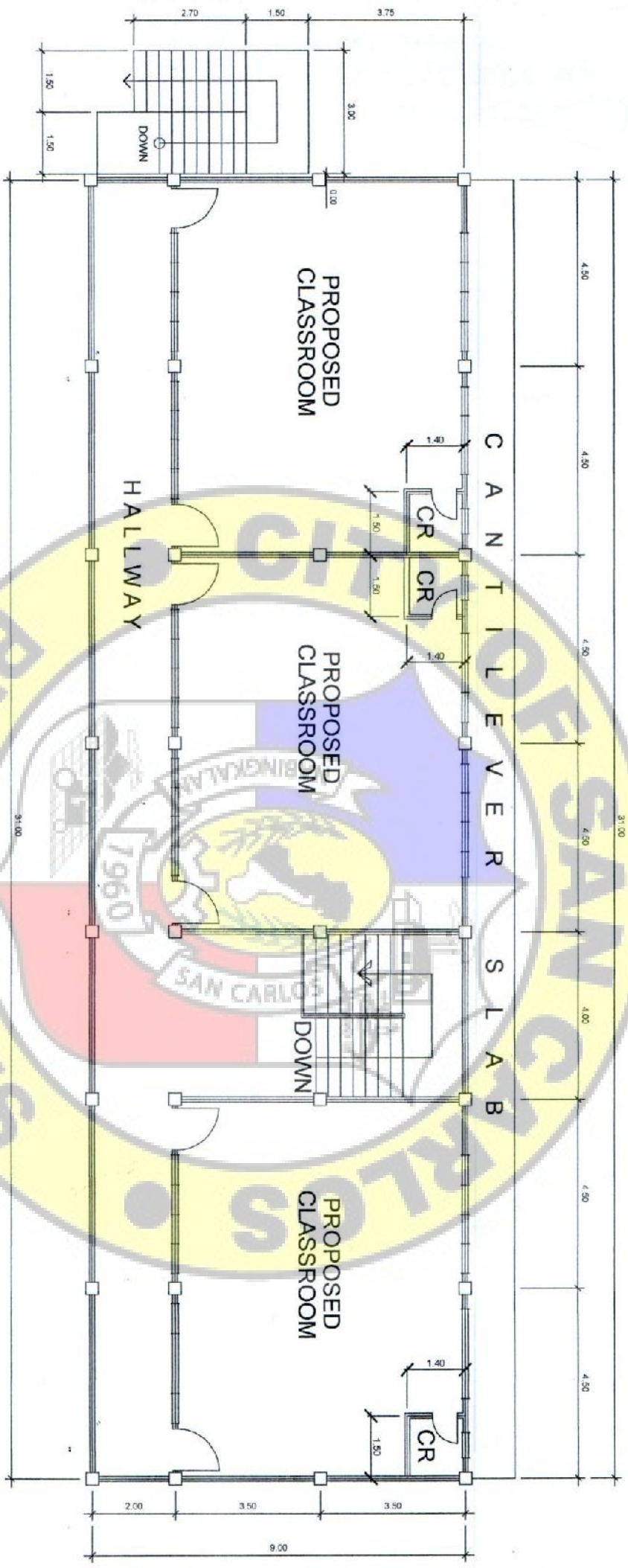




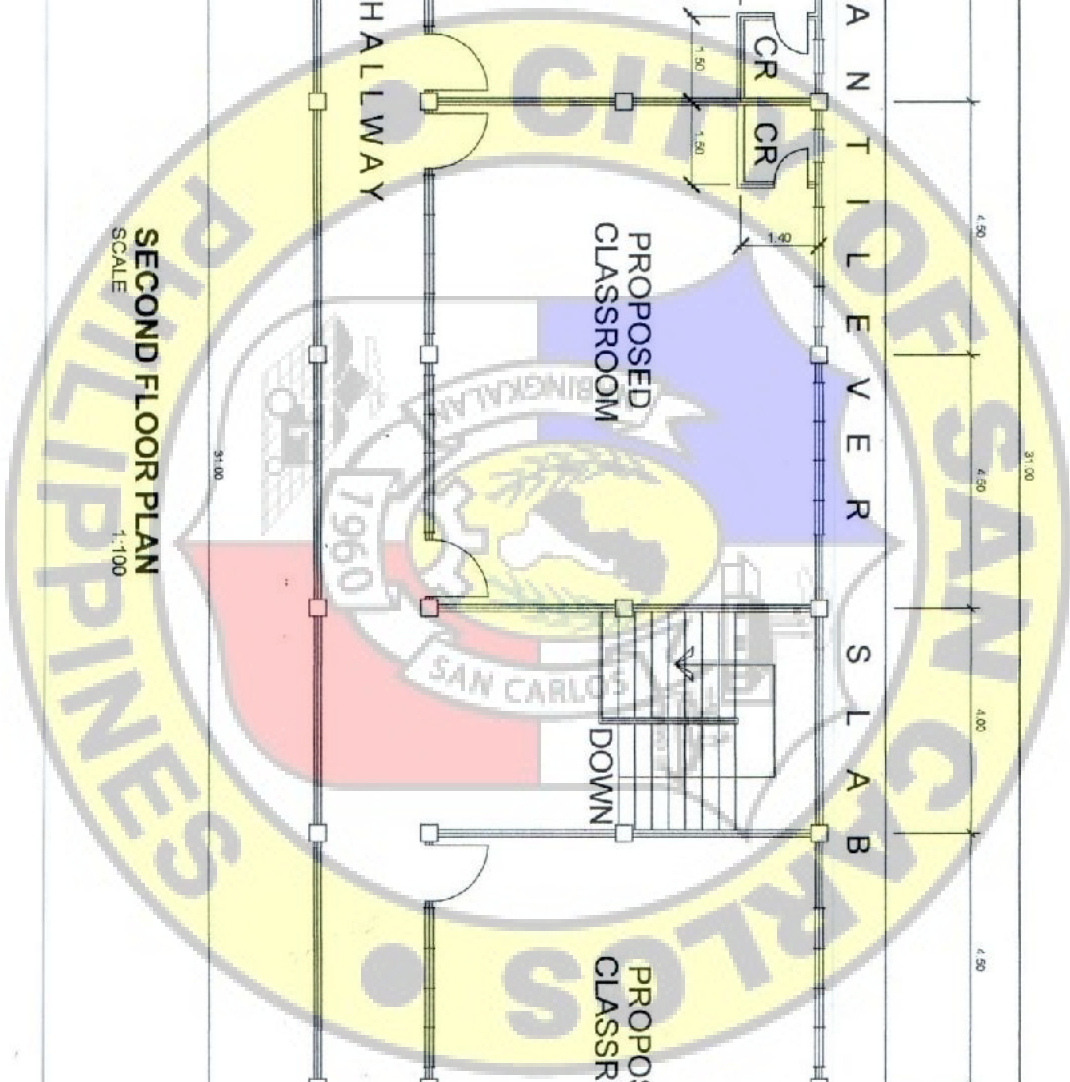
**GROUND FLOOR PLAN**  
SCALE 1:100

From the office of: <b>CED</b> CITY ENGINEERING DEPARTMENT	Project Title: <b>CONSTRUCTION OF 2-STOREY          6-CLASSROOM BUILDING @ GUADALUPE          INTEGRATED SCHOOL</b>	Prepared:  <b>ENGR. JOHN FLEUR VIRTUCIO</b> ENGINEER - 1	Checked:  <b>ENGR. MELVIN M. ARBOINES</b> Engineer III	Recommended for Approval:  <b>ENGR. REXTENE NEMENZO</b> Engineer IV - CEC-CED	Approved as to Plans and Specifications:  <b>HON. RENATO A. JUSTILLO</b> CITY MAYOR	Sheet No. 
--	--	---	---	--	--	---------------



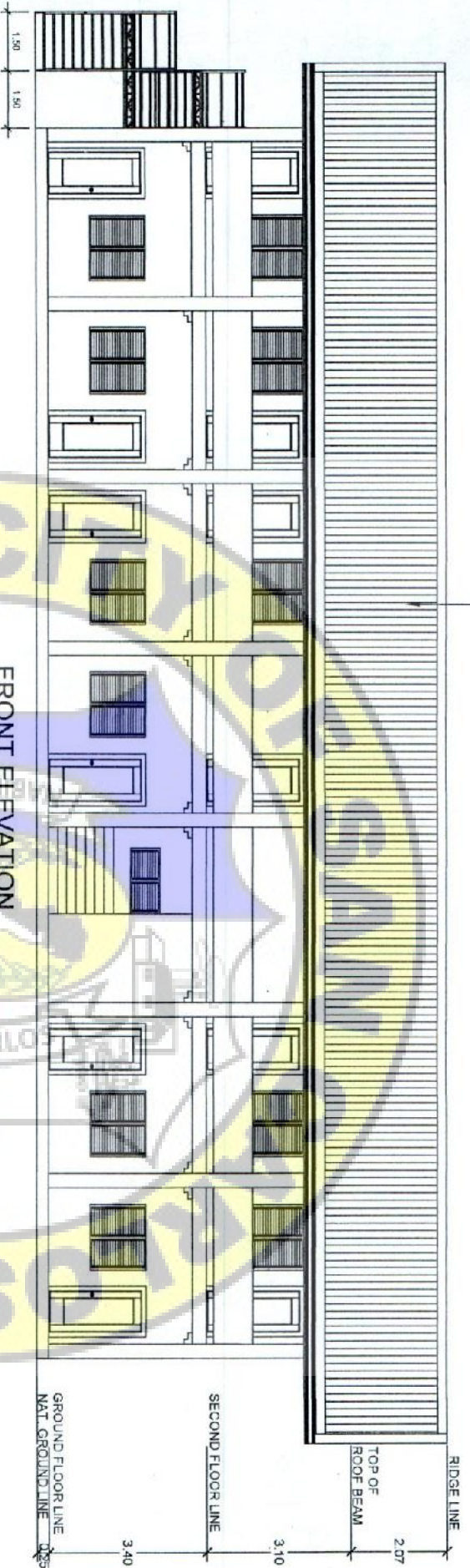


**SECOND FLOOR PLAN**  
SCALE 1:100



From the office of: <b>CED</b> CITY ENGINEERING DEPARTMENT	Project Title: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL	Prepared: ENGR. JOHN LEUR VIRTUCIO ENGINEER - 1	Checked: ENGR. MELVIN A. BRIONES Engineer III	Recommended for Approval: ENGR. ALEXINE NEVENZO Engineer IV / O/S - CED	Approved as to Plans and Specifications: HON. SEMANTO Y. GUSTILLO CITY MAYOR	Sheet No.: A3 5
Location: BRGY. GUADALUPE, SAN CARLOS CITY, NEG. OCC.						

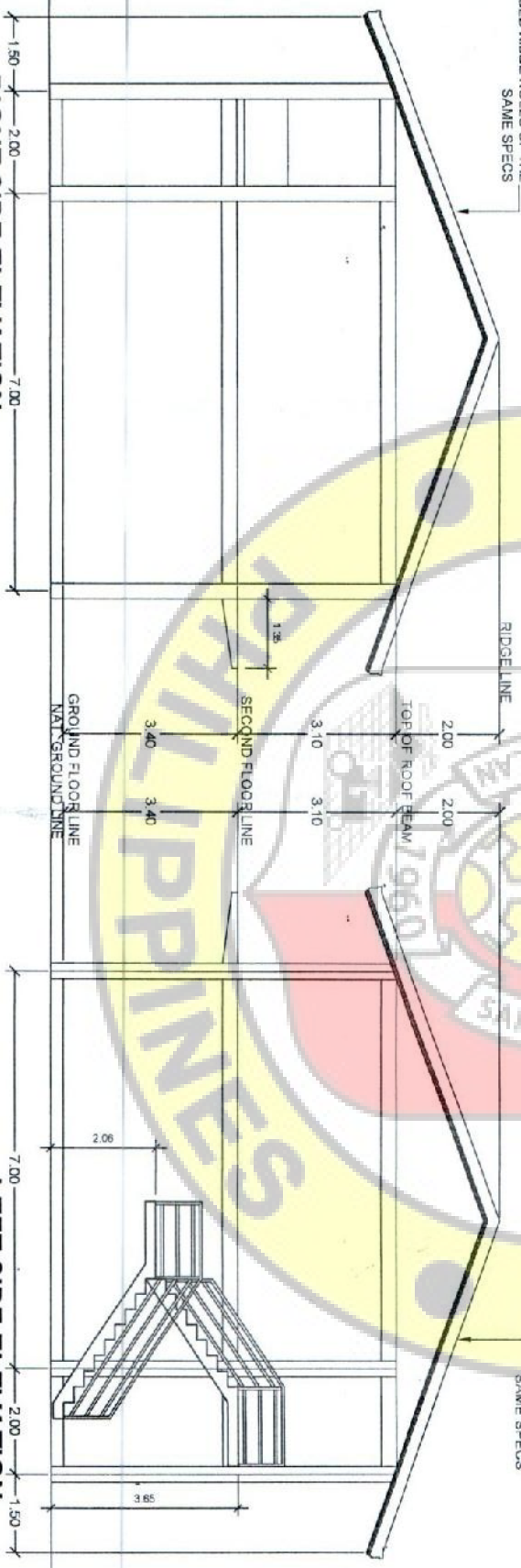
0.40mm thick, PRE-PAINTED, RIB TYPE GALVALUME ROOFING SHEETS WITH BENDED RIDGE ROLLS OF THE SAME SPECS



**FRONT ELEVATION**  
SCALE 1:100

**RIGHT SIDE ELEVATION**  
SCALE 1:100

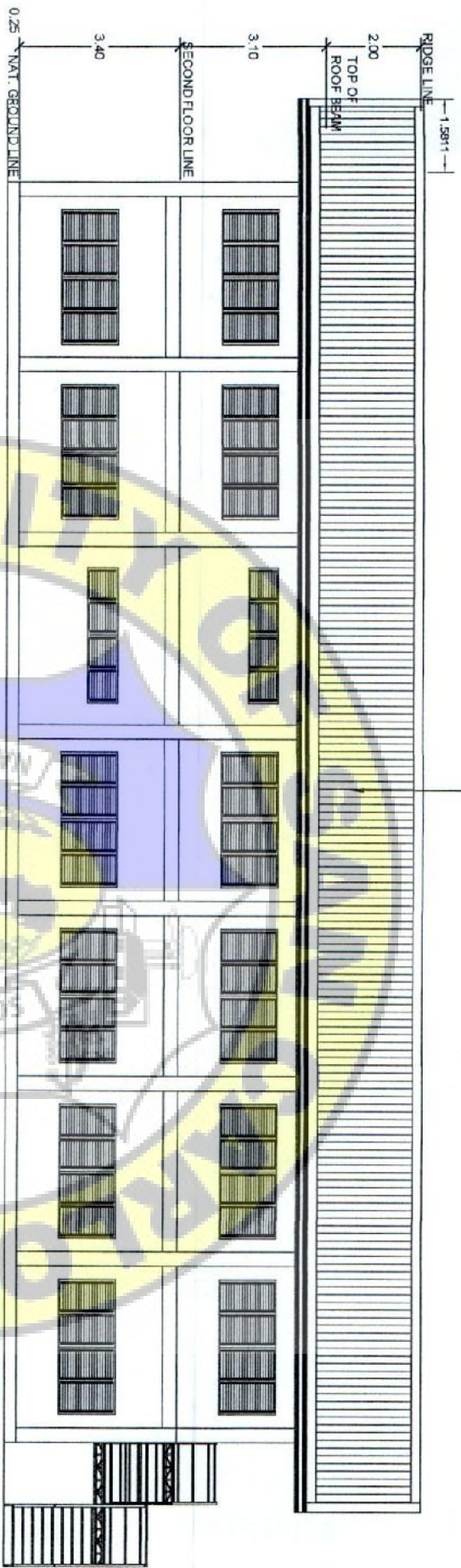
**LEFT SIDE ELEVATION**  
SCALE 1:100



From the office of: <b>CED</b> CITY ENGINEERING DEPARTMENT	Project Title: CONSTRUCTION OF 2-STORY 8-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL	Prepared: ENGR. JOHN LEUR VIRTUCIO ENGINEER - 1	Checked: ENGR. MELVIN BERNONIS Engineer III	Recommended for Approval: ENGR. REXTER E. NEMENZO Engineer IV / S.C.E.D.	Approved as to Plans and Specifications: HON. RENEATO Y. GUSTILO CITY MAYOR	Sheet No.: A4 5
Location: BRGY. GUADALUPE, SAN CARLOS CITY, NEG. OCC.						



0.40mm thick, PRE-PAINTED, RIB TYPE GALVALUME.  
ROOFING SHEETS WITH BENDED RIDGE ROLLS OF THE  
SAME SPECS



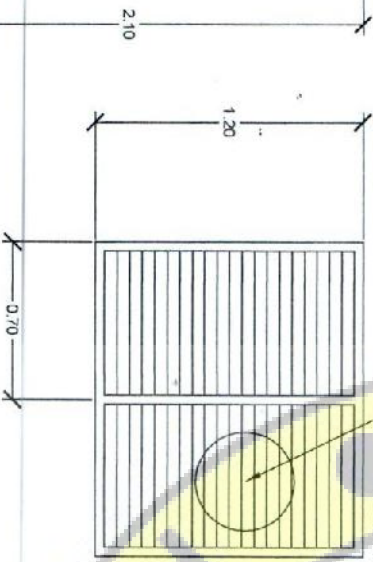
**REAR ELEVATION**  
SCALE 1:100

2" X 6" G/L WITH ORD. HOLLOW FLUSH  
TYPE DOOR WITH 3 HINGES  
W/ DOOR KNOB

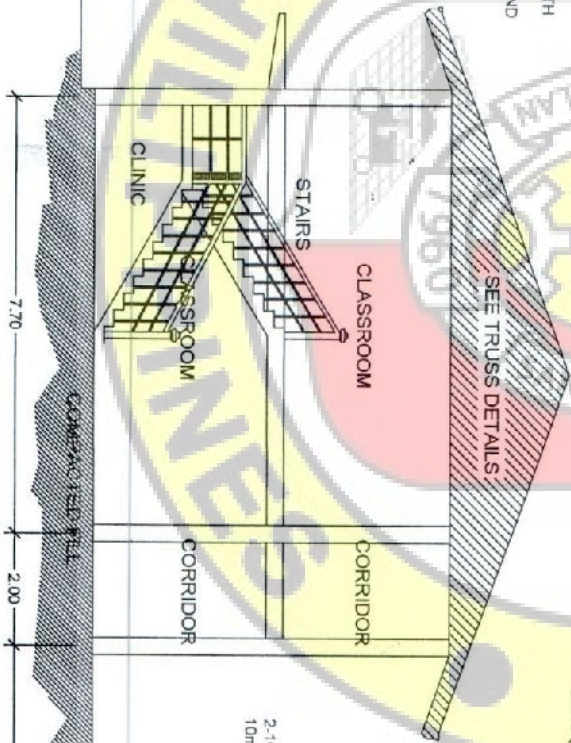
CONCRETE JAMB WITH  
GLASS JALOUSIE  
ALUMINUM FRAME AND  
MECHANISM

SEE TRUSS DETAILS

4" thick with plaster  
10mm Ø dia CHB HOR VER  
BARS @ 0.60m

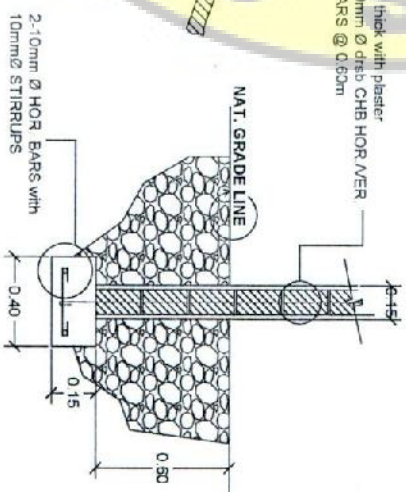


**DOOR AND WINDOW SCHEDULE**  
SCALE 1:25



**SECTION THRU A - A**  
SCALE 1:100

**WALL FOOTING DETAILS**  
SCALE: 1 : 25 M.



From the office of:

**CED**

CITY ENGINEERING DEPARTMENT

Project Title:

CONSTRUCTION OF 2-STORY  
6-CLASSROOM BUILDING @ GUADALUPE  
INTEGRATED SCHOOL

Prepared:

ENGR. JOHN LEJR VIRTUCIO  
ENGINEER - 1

Checked:

ENGR. MEYWIN BRIONES  
Engineer III

Recommended for Approval:

ENGR. ALEXTERE NEMENCO  
Engineer IV / DIC / CED

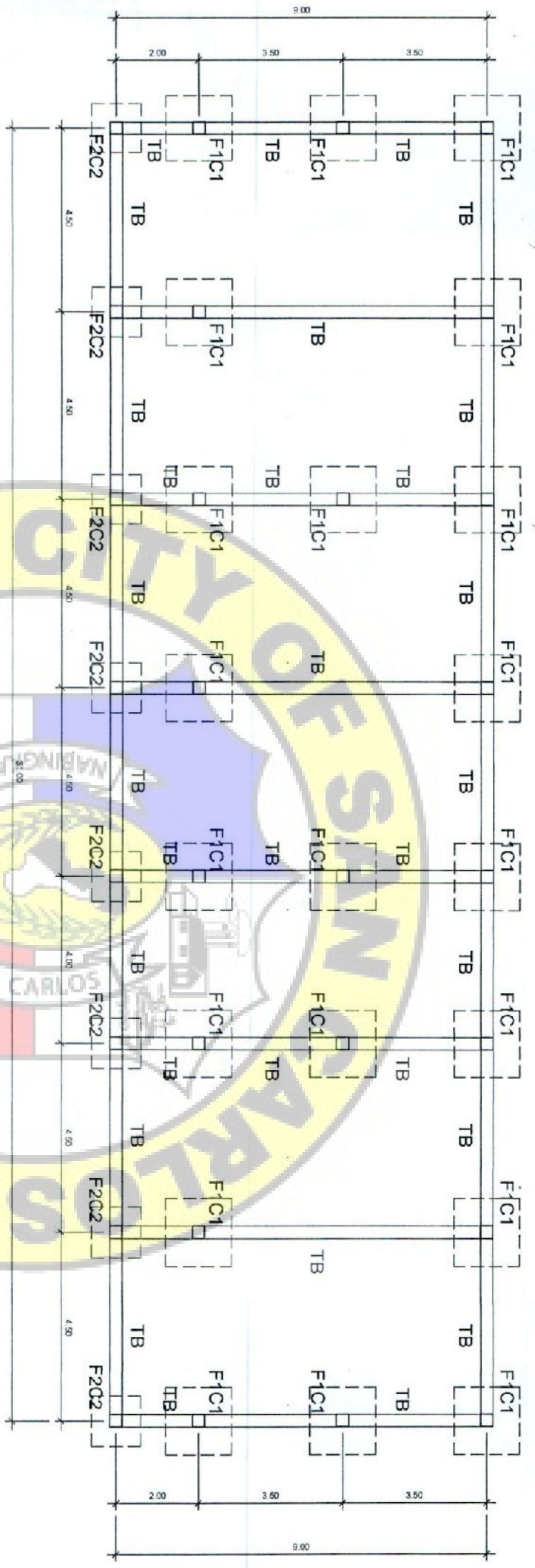
Approved as to Plans and Specifications:

HON. RENATO Y. GUSTILO  
CITY MAYOR

Sheet No.

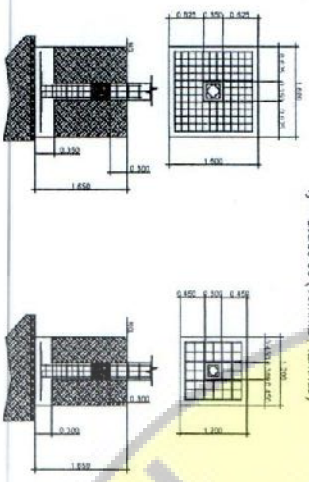
A5  
5





**SCHEDULE OF COLUMN - FOOTING**

DESIGN CONSIDERATIONS  
 $f_c = 3000 \text{ psi}$   
 $f_y = \text{Grade 40 (16mm)} \phi, 20 \text{mm} \phi, 25 \text{mm} \phi$   
 $f_y = \text{Grade 33 (10mm)} \phi, 12 \text{mm} \phi$

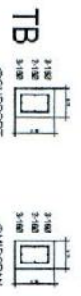


**C1/F1 Details**  
 FOOTING (F1) 12" x 12" x 1.0m TL  
 12 #3mm U208 evenly spaced  
 on 50mm spc  
 COLUMN (C1) 12" x 20" x 1.0m TL  
 4 #3mm U208 vert bars  
 4 #3mm U208 horiz bars  
 with 10mm U208 lateral ties spaced @ 400mm, 400mm, and @ 200

**C2/F2 Details**  
 FOOTING (F2) 12" x 12" x 1.0m TL  
 12 #3mm U208 evenly spaced on 50mm spc  
 COLUMN (C2) 12" x 25" x 1.0m TL  
 4 #3mm U208 vert bars  
 4 #3mm U208 horiz bars  
 with 10mm U208 lateral ties spaced @ 400mm, 400mm, and @ 200

**FOUNDATION LAYOUT PLAN**  
 SCALE 1:100

COLUMN DESIGNATION	FIG. - TIE BEAM	TIE BEAM - 2ND FLR	2ND FLR - ROOF BEAM
C1	<p>12" x 12" x 1.0m TL            12 #3mm U208 evenly spaced on 50mm spc            spaced @ 400mm, 400mm, and @ 200</p>	<p>12" x 12" x 1.0m TL            12 #3mm U208 evenly spaced on 50mm spc            spaced @ 400mm, 400mm, and @ 200</p>	<p>12" x 12" x 1.0m TL            12 #3mm U208 evenly spaced on 50mm spc            spaced @ 400mm, 400mm, and @ 200</p>
C2	<p>12" x 12" x 1.0m TL            12 #3mm U208 evenly spaced on 50mm spc            spaced @ 400mm, 400mm, and @ 200</p>	<p>12" x 12" x 1.0m TL            12 #3mm U208 evenly spaced on 50mm spc            spaced @ 400mm, 400mm, and @ 200</p>	<p>12" x 12" x 1.0m TL            12 #3mm U208 evenly spaced on 50mm spc            spaced @ 400mm, 400mm, and @ 200</p>



STIRRUPS: 10mm  
 Spacing: 2@50  
 4@75, 4@100, rest @ 200mm

From the office of: **CED** CITY ENGINEERING DEPARTMENT

Project Title: **CONSTRUCTION OF 2-STOREY CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL**

Prepared: **ENGR. JOHN M. VIRTUCIO** ENGINEER - 1

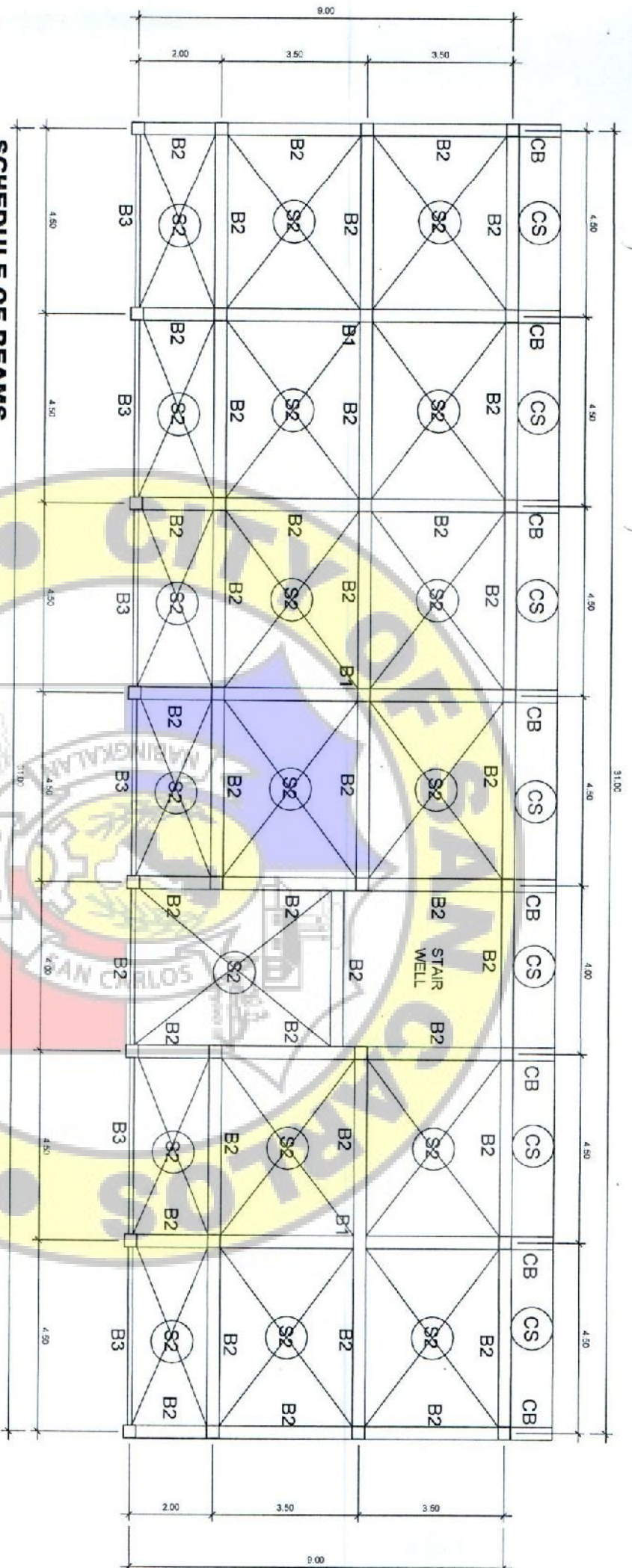
Checked: **ENGR. MELVIN A. BRIONES** Engineer III

Recommended for Approval: **ENGR. REXTER NEMENZO** Engineer IV, **ENGR. GUSTAVO** City Mayor

Approved as to Plans and Specifications: **HON. REMATO GUSTAVO** CITY MAYOR

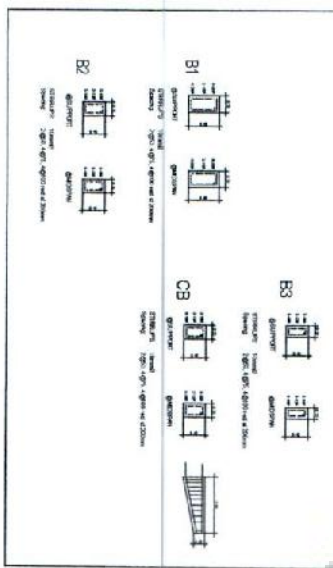
Sheet No.: **S1** / **5**



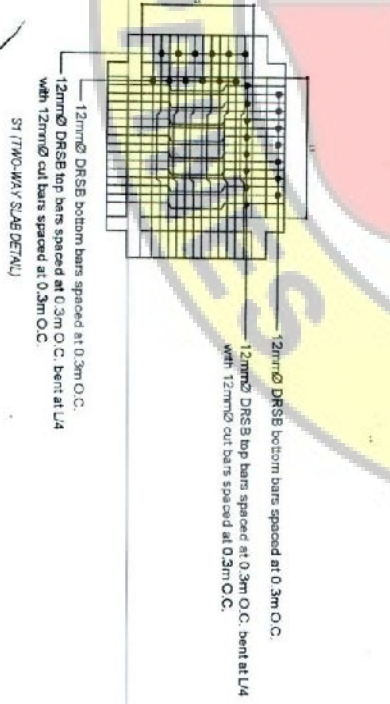


**SCHEDULE OF BEAMS**

DESIGN CONSIDERATIONS  
 W<sub>t</sub> = 3000psi  
 f<sub>y</sub> = Grade 40 (16mm $\phi$ , 20mm $\phi$ , 25mm $\phi$ )  
 f<sub>y</sub> = Grade 33 (10mm $\phi$ , 12mm $\phi$ )

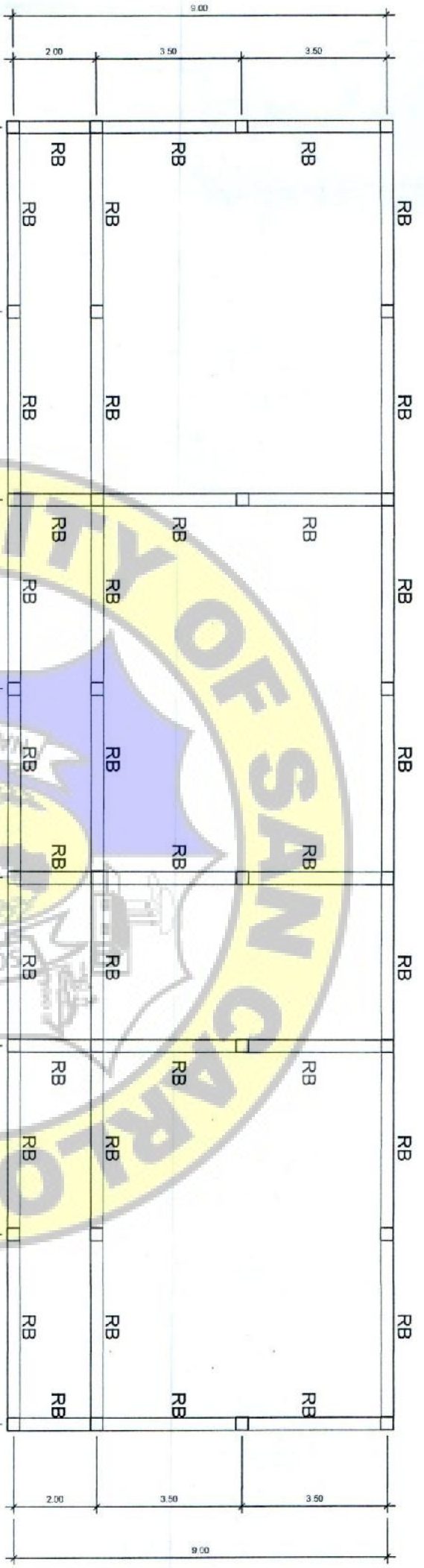


**2nd FLOOR FRAMING LAYOUT PLAN**  
 SCALE 1:100

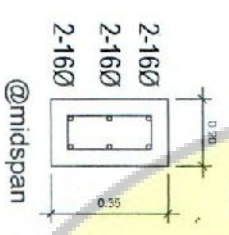
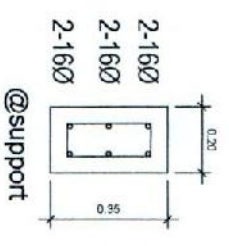


From the office of: <b>CED</b> CITY ENGINEERING DEPARTMENT	Project Title: <b>CONSTRUCTION OF 2-STORY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL</b>	Prepared by: ENGR. JOHN LEIR VIRTUOLIO ENGINEER - 1	Checked by: ENGR. MELVIN M. BAYONIS Engineer III	Recommended for Approval: ENGR. REXTER E. MEMENZO Engineer IV / S/C - CED	Approved as to Plans and Specifications: HON. RENEATO Y. GUSTILO CITY MAYOR	Sheet No.: <b>S2</b> 5
--	---	---	--	---	---	------------------------------



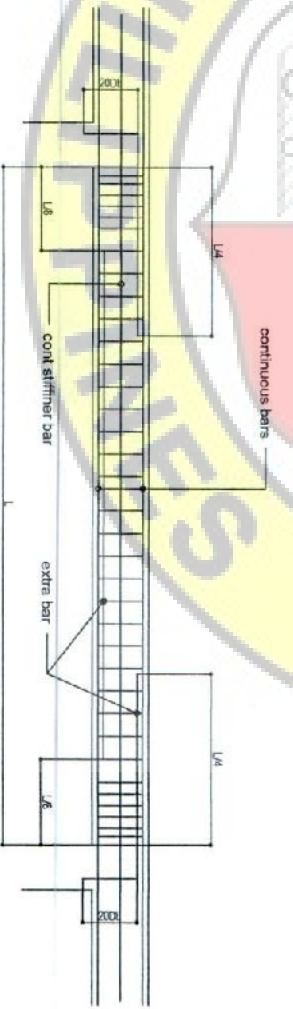


**RB**



**STIRRUPS: 10mmØ**  
**Spacing: 2@50, 4@75,**  
**4@100 rest at 200mm**

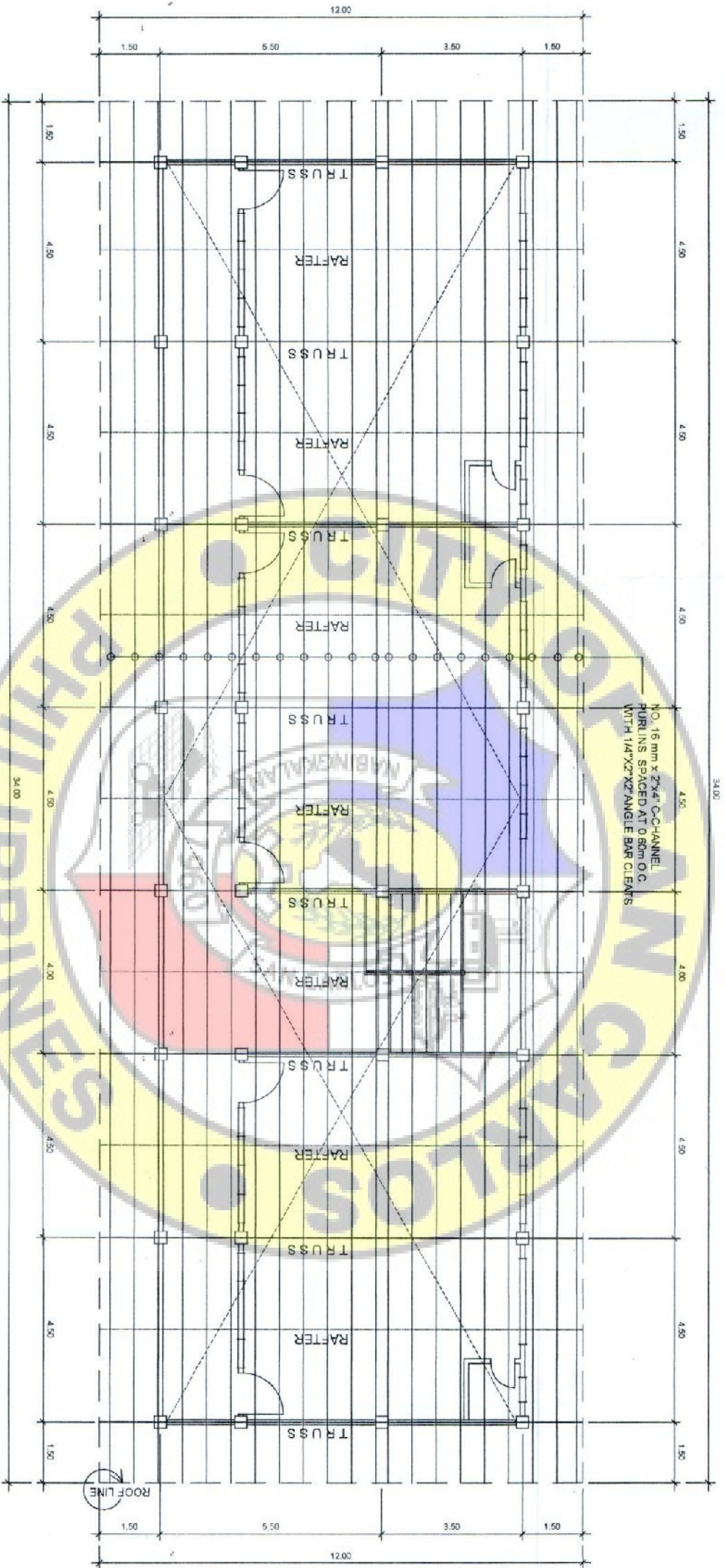
**ROOF BEAM PLAN LAYOUT PLAN**  
 SCALE 1:100



**TYPICAL BEAM ELEVATION DETAIL**

From the office of: <b>CED</b> CITY ENGINEERING DEPARTMENT	Project Title: <b>CONSTRUCTION OF 2-STORY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL</b>	Prepared: <b>ENGR. JOHN BUR VIRTUCIO ENGINEER - 1</b>	Checked: <b>ENGR. MELVIN LABRONES Engineer III</b>	Recommended for Approval: <b>ENGR. XERTEN E. NIMENZO Engineer IV / C - CED</b>	Approved as to Plans and Specifications: <b>HON. RENATO GUSTILLO CITY MAYOR</b>	Sheet No.: <b>S3</b> 5
Location: BRGY. GUADALUPE, SAN CARLOS CITY, NEG. OCC.						



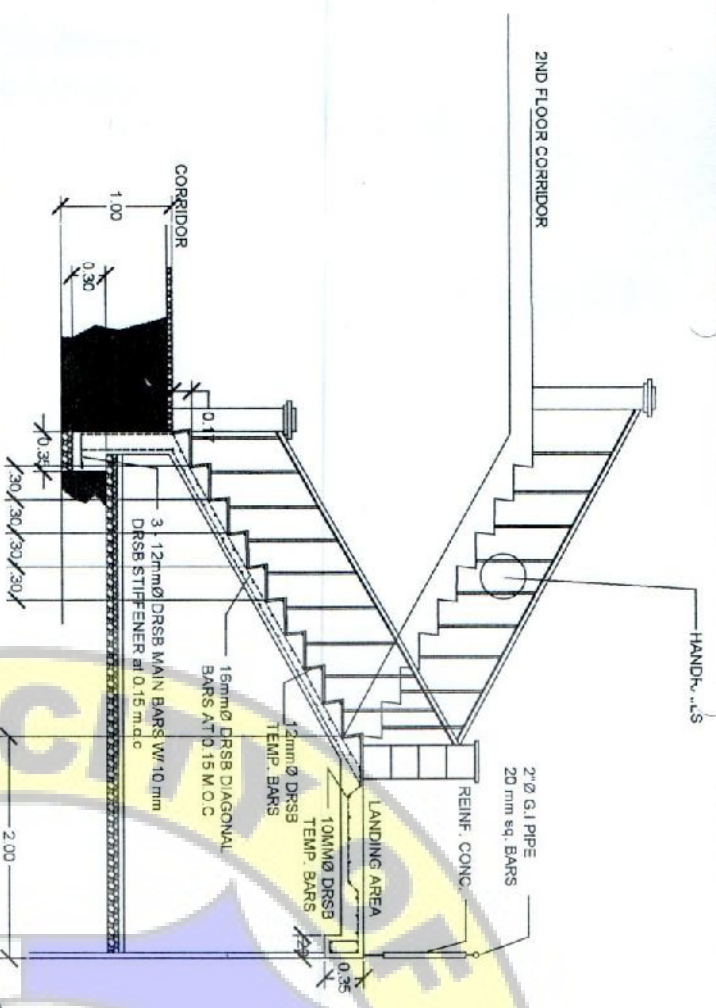


**ROOF FRAMING PLAN**  
SCALE 1:125

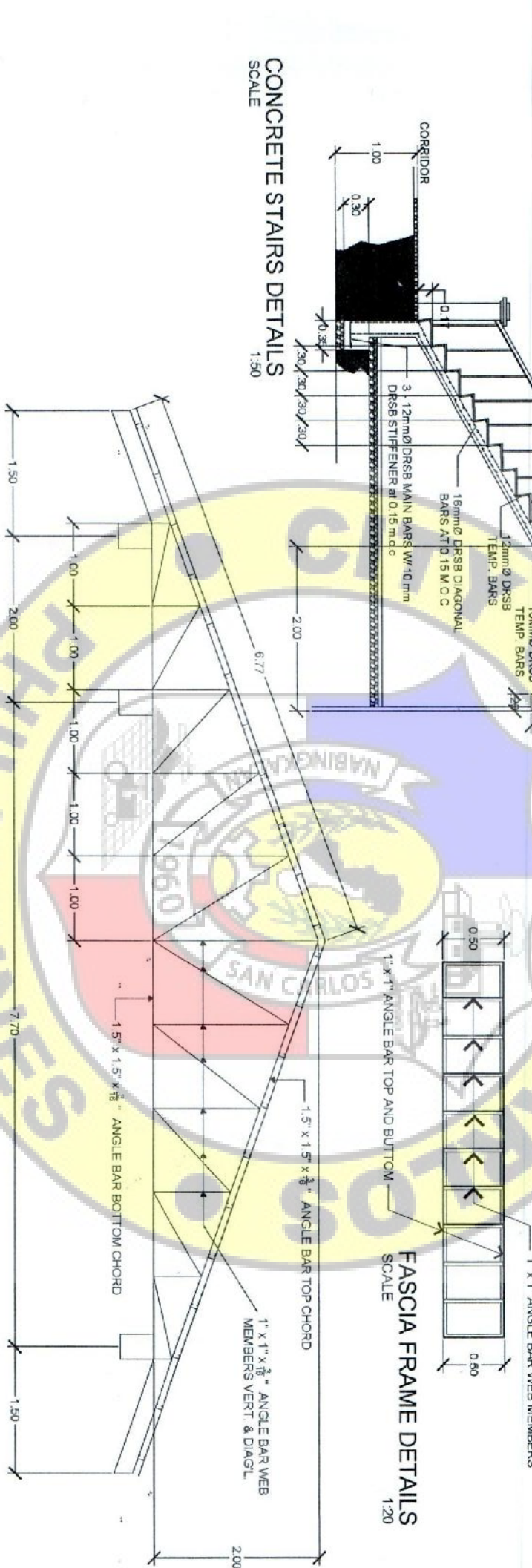
From the office of:		Project Title:		Prepared:		Checked:		Recommended for Approval:		Approved as to Plans and Specifications:		Sheet No.	
<b>CED</b> CITY ENGINEERING DEPARTMENT		<b>CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL</b>		ENGR. JOHN TEJR VIRTUCIO ENGINEER - 1		ENGR. MELMICK BRIONES Engineer III		ENGR. ALEXTERE NEMENZO Engineer IV/LDC (CED)		HON. RENATO GUSTILO CITY MAYOR		S4 5	
Location: BRGY. GUADALUPE, SAN CARLOS CITY, NEG. OCC.													



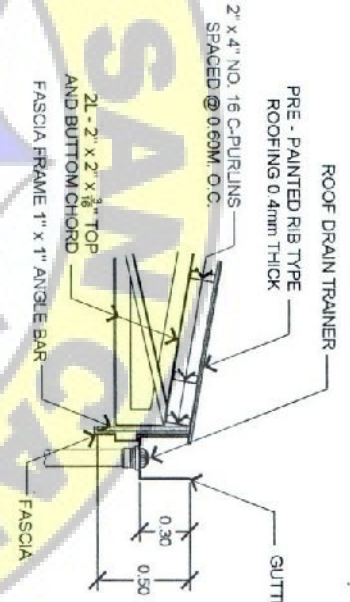
**CONCRETE STAIRS DETAILS**  
SCALE 1:50



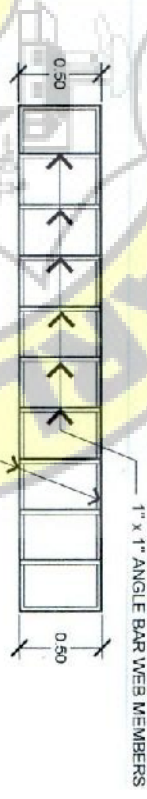
**TRUSS DETAILS**  
SCALE 1:50



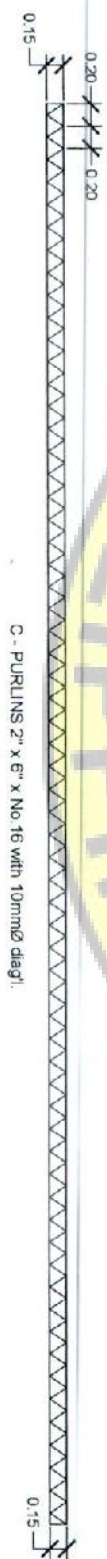
**GUTTER DETAILS**  
SCALE 1:20



**FASCIA FRAME DETAILS**  
SCALE 1:20

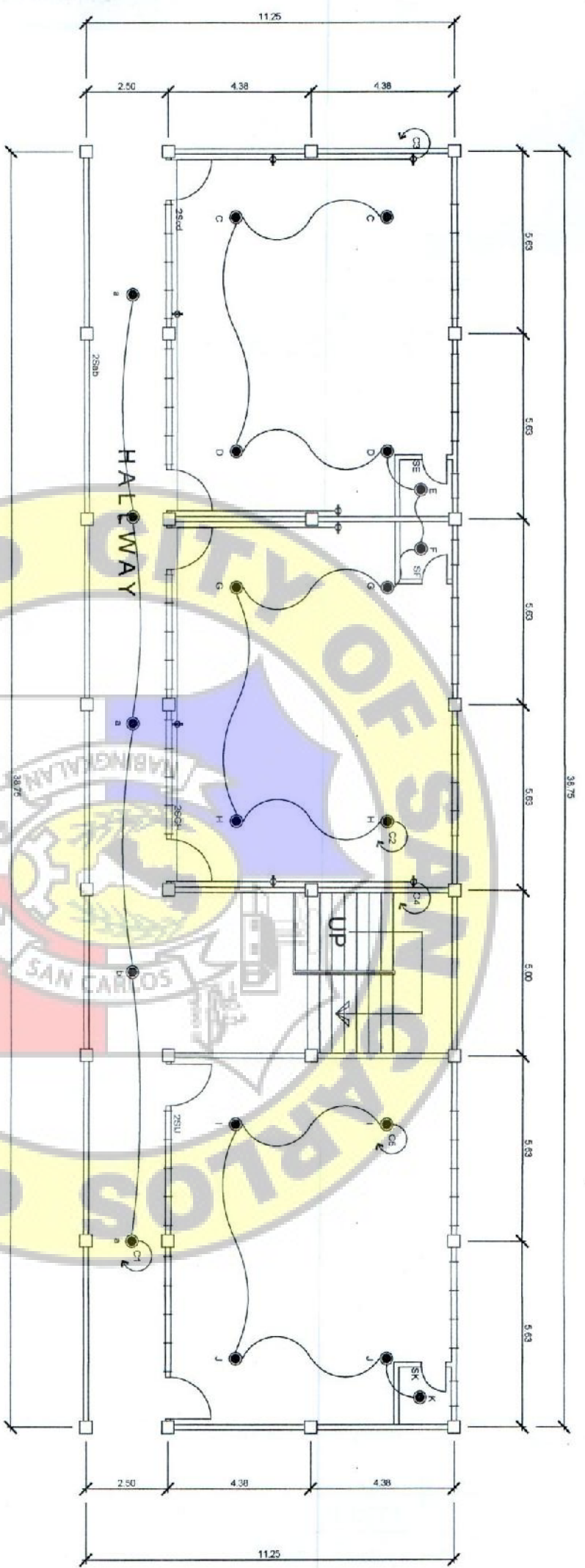


**RAFTER DETAILS**  
SCALE 1:50



From the office of <b>CED</b> CITY ENGINEERING DEPARTMENT	Project Title: CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL	Prepared by: ENGR. JOHN JUR VIRTUCIO ENGINEER - 1	Checked by: ENGR. MELVIN ALAMONIS Engineer III	Recommended for Approval: ENGR. PETER NEPIENZO Engineer IV / D/A / CED	Approved as to Plans and Specifications: HON. RENATO GUSTILO CITY MAYOR	Sheet No. <b>S5</b> 5
---	---	---	--	--	---	-----------------------------

38.75



**ELECTRICAL LAYOUT**  
SCALE 1:50

**GENERAL NOTES:**

- ALL ELECTRICAL WORKS HEREIN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINES ELECTRICAL CODE, THE CITY ORDINANCE, THE BUREAU OF FIRE PROTECTION, AND THE RULES AND THE REGULATION OF THE LOCAL UTILITY COMPANY.
- ALL ELECTRICAL WORKS HEREIN MUST BE DONE UNDER THE DIRECT SUPERVISION OF A DULY REGISTERED MASTER ELECTRICIAN (RME) OR ELECTRICAL ENGINEER (REE).

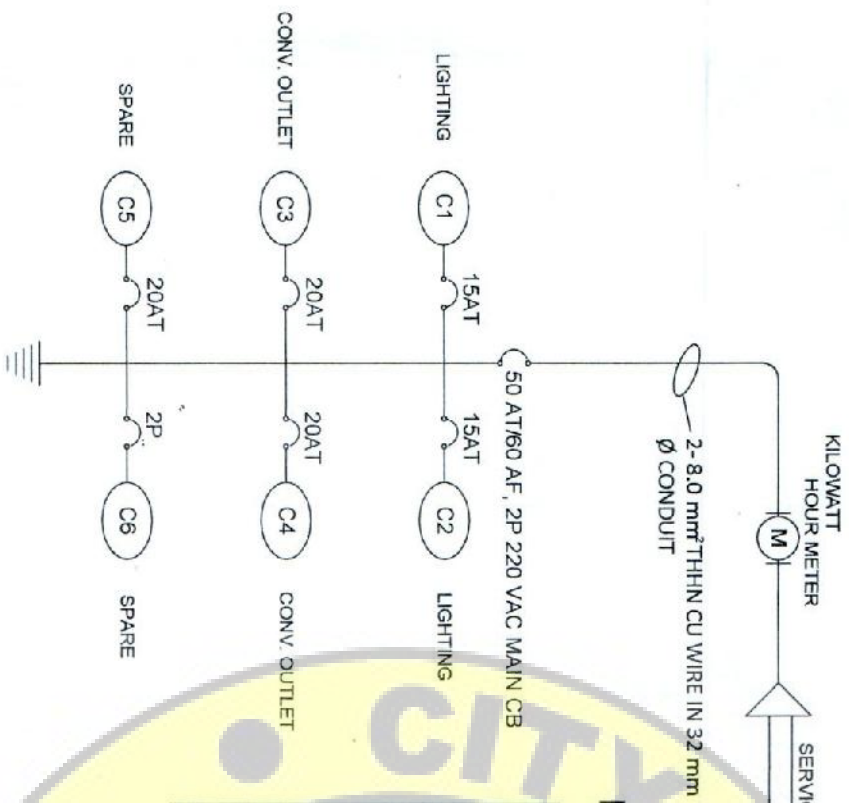
**LEGEND:**

	POWER PANEL		SINGLE SNAP SWITCH, FLUSH TYPE
	KILOWATT HOUR METER		DUPLEX SNAP SWITCH, FLUSH TYPE
	5W LED BULB, E27, (COOL WHITE)		3 WAY SNAP SWITCH, FLUSH TYPE
	16W LED BULB, E27, (COOL WHITE)		CIRCUIT BREAKER, 2P, 220 VAC
	10 A, DUPLEX CONV. OUTLET		CIRCUIT LINE
			CIRCUIT HOMERUN

From the office of:	Project Title:	Prepared:	Checked:	Recommended for Approval:	Approved as to Plans and Specifications:	Sheet No.:
<b>CED</b> CITY ENGINEERING DEPARTMENT	CONSTRUCTION OF 2-STORY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL	ENGR. JOHN JEAN VIRTUCIO ENGINEER - 1	ENGR. MELVIN B. BAKOMES Engineer III	ENGR. REXTER E. NEMENZO Kagaparan IV / OIC, CED	HON. RENATO Y. GUSTILLO CITY MAYOR	E1 2
Location: BRGY. GUADALUPE, SAN CARLOS CITY, NEG. OCC.						

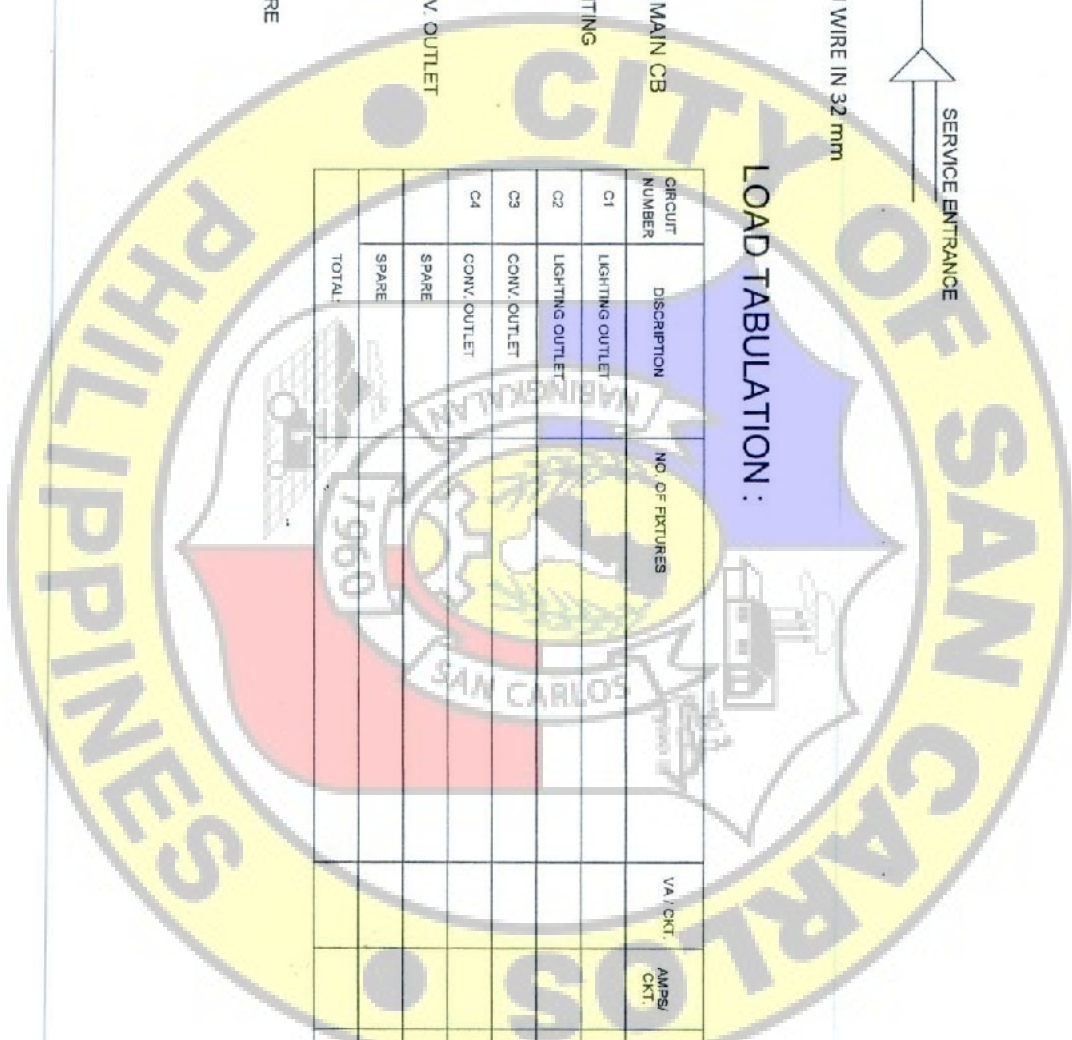


# SINGLE LINE DIAGRAM



## LOAD TABULATION :

CIRCUIT NUMBER	DESCRIPTION	NO. OF FIXTURES	VA / CKT.	AMPS/ CKT.	ACB RATING	PHASE	VOLTS	SIZE OF WIRES
C1	LIGHTING OUTLET						220 V	USE 2- 3.5 MM² THHN CU WIRE STRANDED IN 20 MMØ UPVC CONDUIT
C2	LIGHTING OUTLET						220 V	USE 2- 3.5 MM² THHN CU WIRE STRANDED IN 20 MMØ UPVC CONDUIT
C3	CONV. OUTLET						220 V	USE 2- 3.5MM² TW AWG STRANDED WIRE IN 20MMØ PVC CONDUIT PIPE
C4	CONV. OUTLET						220 V	USE 2- 3.5MM² TW AWG STRANDED WIRE IN 20MMØ PVC CONDUIT PIPE
SPARE	SPARE						220 V	
TOTAL								



From the office of:

**CEDE**  
CITY ENGINEERING DEPARTMENT

Project Title: **CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL**

Location: BRGY. GUADALUPE, SAN CARLOS CITY, NEG. OCC.

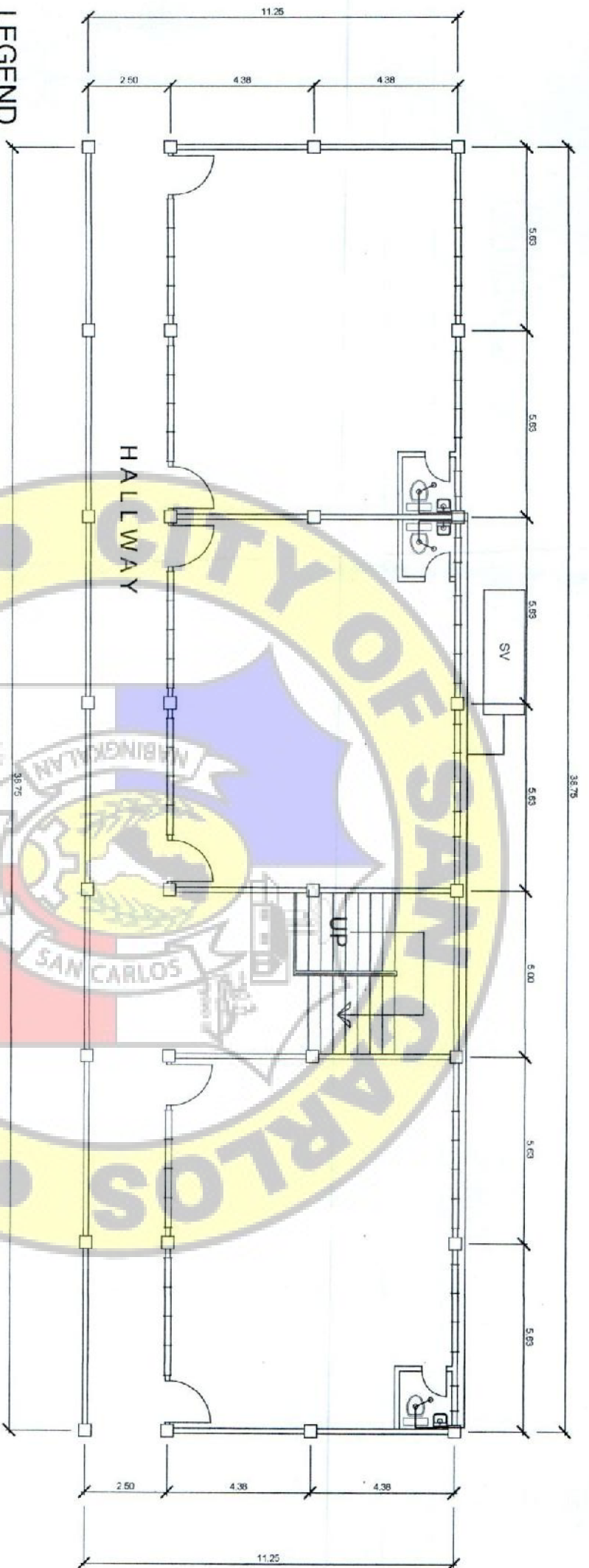
Prepared: **ENGR. JOHN LEUR VIRTUCIO**  
ENGINEER - 1

Checked: **ENGR. MELVIN M. ARMONES**  
Engineer III

Recommended for Approval: **ENGR. REYNEL N. NEMUNDO**  
Supervisor of CEDE

Approved as to Plans and Specifications: **HON. RENATO GUSTINO**  
CITY MAYOR

Sheet No: **E2**  
2



TYPICAL PLUMBING LAYOUT  
SCALE 1:100

**LEGEND**

- SV SEPTIC VAULT
- SP SANITARY PIPE
- WC WATER CLOSET
- SK SINK
- FAU FAUCET
- VTR VENT THRU ROOF
- CO CLEAN OUT
- MH MANHOLE
- HH HANDHOLE
- SOIL PIPELINE
- WATER SUPPLY LINE

**GENERAL NOTES :**

ALL WORKS HEREIN SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL PLUMBING CODE AND LOCAL ORDINANCE GOVERNING THE INSTALLATION OF PLUMBING WORKS.

ALL SLOPES INDICATED FOR HORIZONTAL BRANCHES SHALL MAINTAIN A MINIMUM OF TWO (2%) PERCENT SLOPE OR AS OTHERWISE INDICATED.

LOCATION OF PIPES MAYBE TRANSFERRED WHENEVER REQUIRED FOR PROPER INSTALLATION AND EXECUTION OF WORKS ON CONDITIONS THAT SUCH CHANGES MEETS THE REQUIREMENTS OF THE ARCHITECT AND OR THE CIVIL ENGINEER

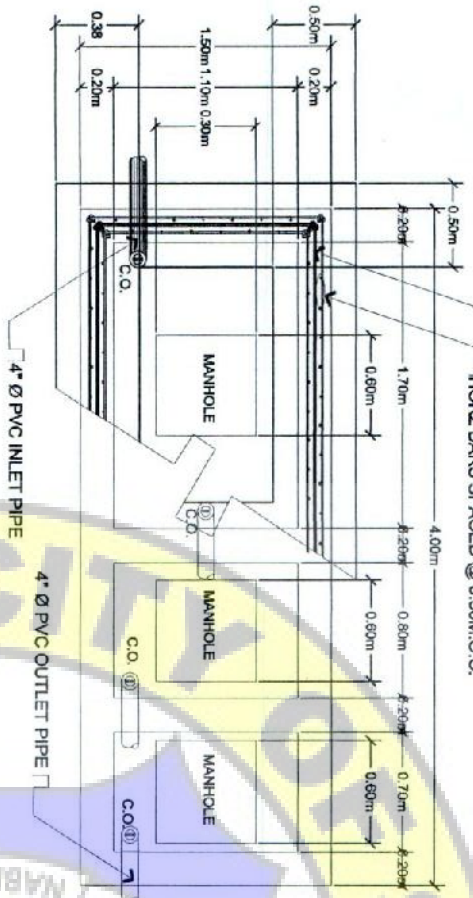
ALL PLUMBING WORKS TO BE DONE AND SIZES OF PIPES TO BE USED SHALL BE IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE OF THE PHILIPPINES.

ANY AND ALL WORKS INVOLVED IN PROVIDING, SANITARY, PLUMBING, DRAINAGE AND SEWER SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS OF THE LOCAL ENFORCING AGENCIES AND OR AUTHORITIES.

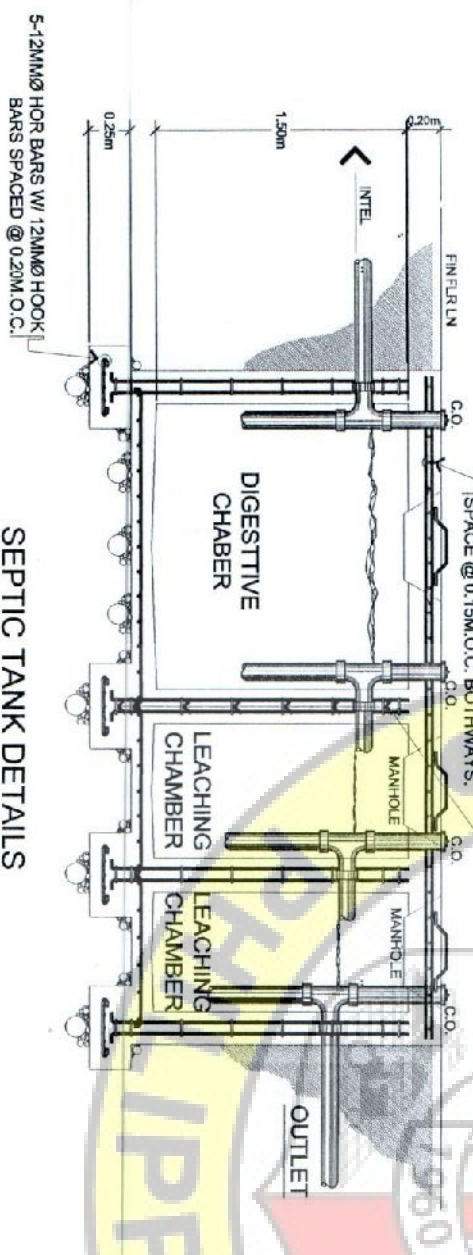
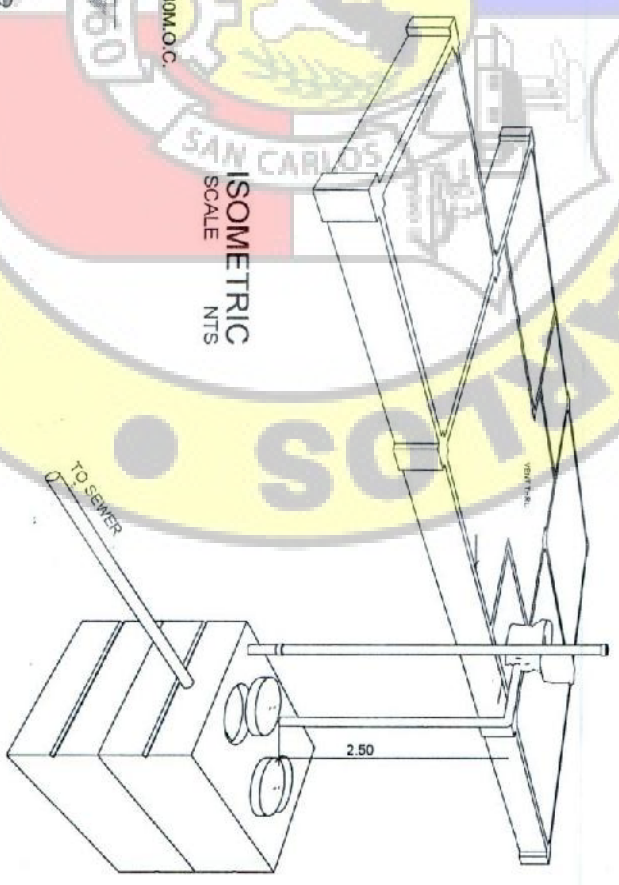
From the office of:	Project Title:	Prepared:	Checked:	Recommended for Approval:	Approved as to Plans and Specifications:	Sheet No.:
CED CITY ENGINEERING DEPARTMENT	CONSTRUCTION OF 2-STORY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL	ENGR. JOHN NEIR VIRTUCIO ENGINEER - 1	ENGR. MELVIN MORALES Engineer III	ENR. REXTER E. MENENDEZ Engineer IV - C/E - CED	HON. RENEATO Y. GUSTILO CITY MAYOR	P1 3
Location: BRGY. GUADALUPE, SAN CARLOS CITY, NEG. OCC.						



12MMØ STRAIGHT BARS SPACE @ 0.15M O.C. W/  
ALTERNATIVE CUT BARS B.W.; 10MMØ EXTRA  
BOTTOMBARS SPACE @ 0.15M O.C. BOTHWAYS.  
10MMØ VERT BARS SPACED @ 0.175M O.C. W/ 12MMØ  
ALTERNATE VERT BARS SPACED @ 0.175M O.C.; 10MMØ  
HORZ BARS SPACED @ 0.30M O.C.



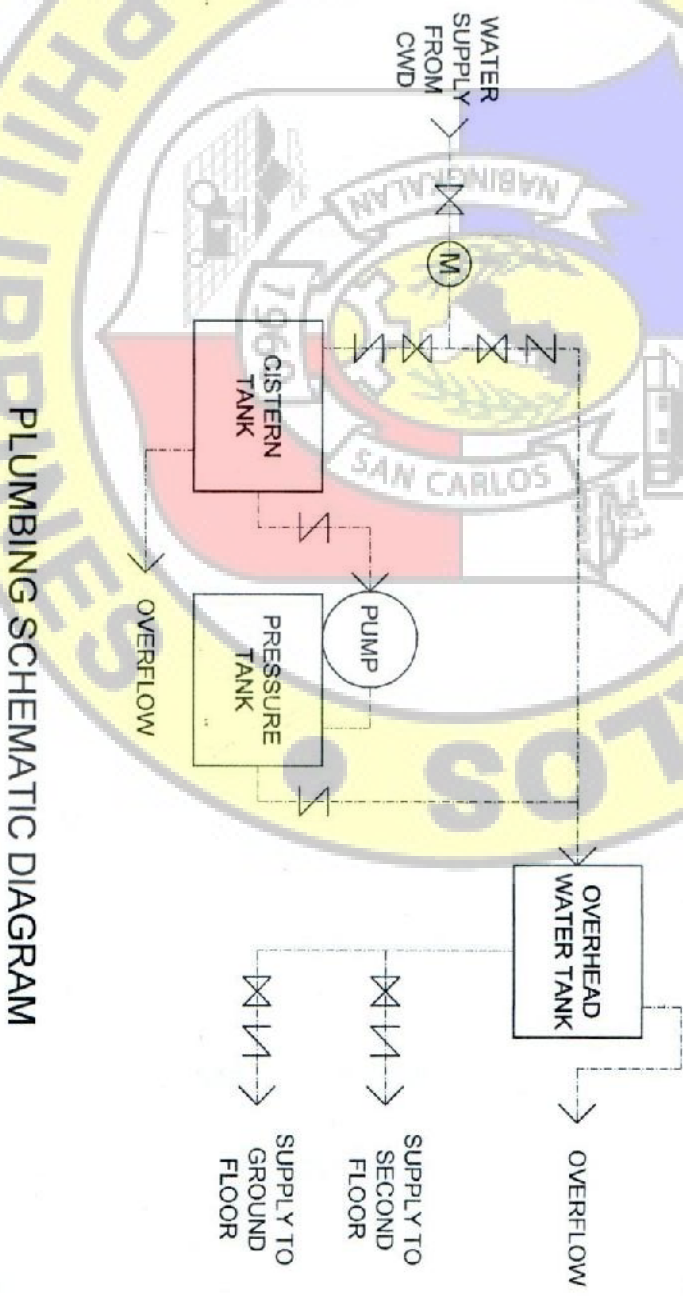
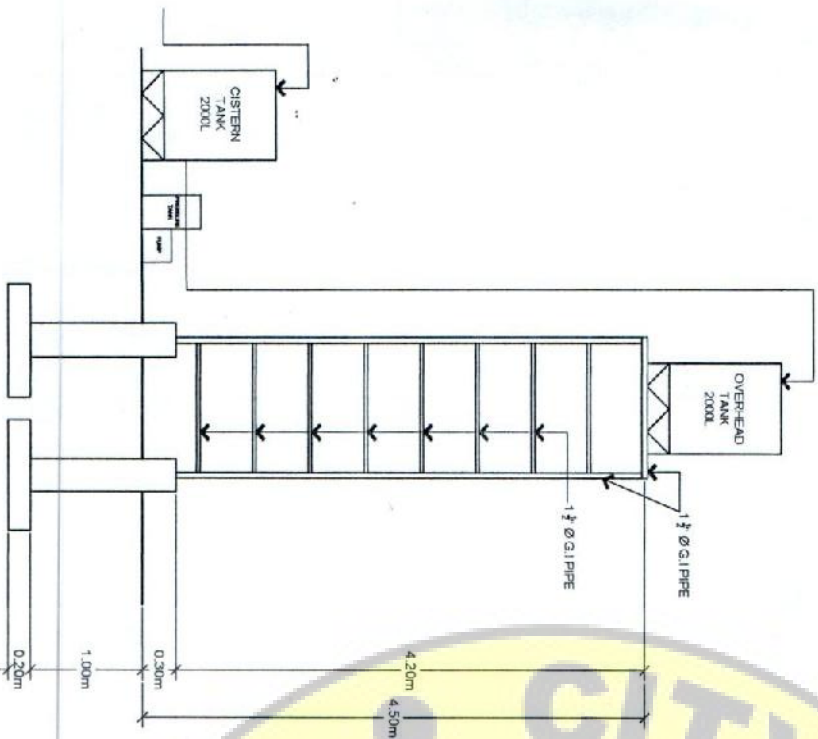
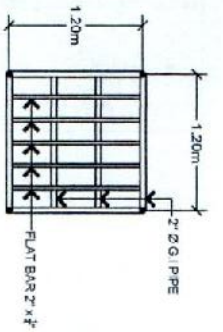
ISOMETRIC  
SCALE  
NTS



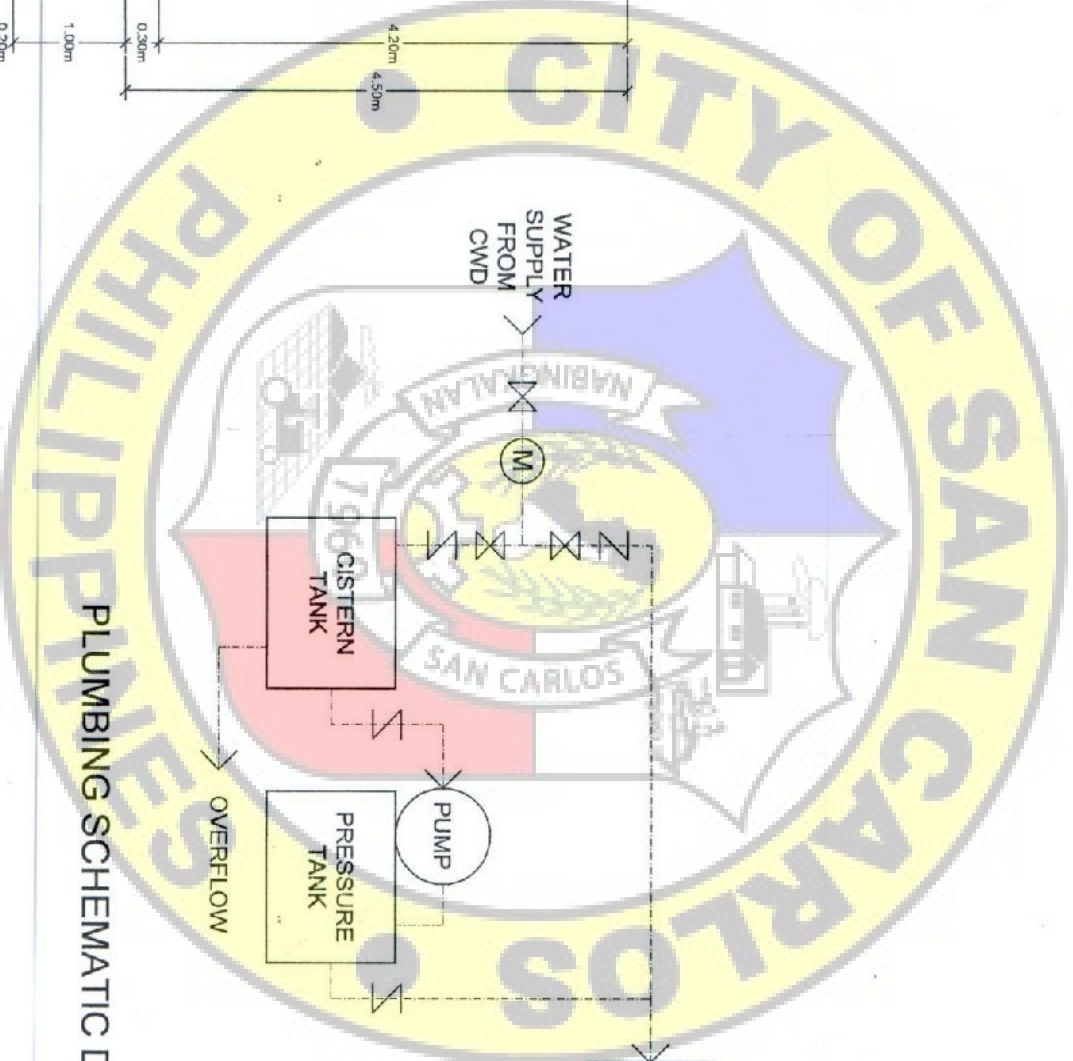
SEPTIC TANK DETAILS  
SCALE 1:50

5-12MMØ HOR BARS W/ 12MMØ HOOK  
BARS SPACED @ 0.20M O.C.

From the office of: <b>CED</b> CITY ENGINEERING DEPARTMENT	Project Title: CONSTRUCTION OF 2-STORY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL	Prepared: ENGR. JOHN LEUR VIRTUCIO ENGINEER - 1	Checked: ENGR. MERVIN ALBRIONES Engineer III	Recommended for Approval: ENGR. REXTER E. NEMENZO Engineer IV / QIC CED	Approved as to Plans and Specifications: HON. RENEATO Y. GUSTILLO CITY MAYOR	Sheet No. P2 3
--	--	---	--	---	--	----------------------



PLUMBING SCHEMATIC DIAGRAM



From the office of:	Project Title:	Prepared:	Checked:	Recommended for Approval:	Approved as to Plans and Specifications:	Sheet No.:
<b>CE</b> CITY ENGINEERING DEPARTMENT	CONSTRUCTION OF 2-STOREY 6-CLASSROOM BUILDING @ GUADALUPE INTEGRATED SCHOOL	ENGR. JOHN LEUR VIRTUCIO ENGINEER - 1	ENGR. MELVIN M. BARRALES Engineer III	ENGR. REXTER B. TRINMENZO Engineer IV / SAC-CE	HON. RENATO G. GOSTINHO CITY MAYOR	P3 3
	Location: BRGY. GUADALUPE, SAN CARLOS CITY, NEG. OCC.					