



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

**BIDS AND AWARDS COMMITTEE
(BAC)**

BIDDING DOCUMENTS

FOR

Purchase Request No. 401-25-05-0941 -
Approved Budget of the Contract (ABC): ₱ 9,950,500.00 -

**IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER – BADMINTON COURT,
BRGY. II, 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.

Schedule/Place of Pre-bid Conference

June 26, 2025 @ 8:30 AM
BAC Secretarial Office
2F City Hall Building

Schedule/Place of Bid Opening

July 8, 2025 @ 1:30 PM
BAC Secretarial Office
2F City Hall Building

Nonrefundable fee of Bidding Documents @ Php 10,000.00

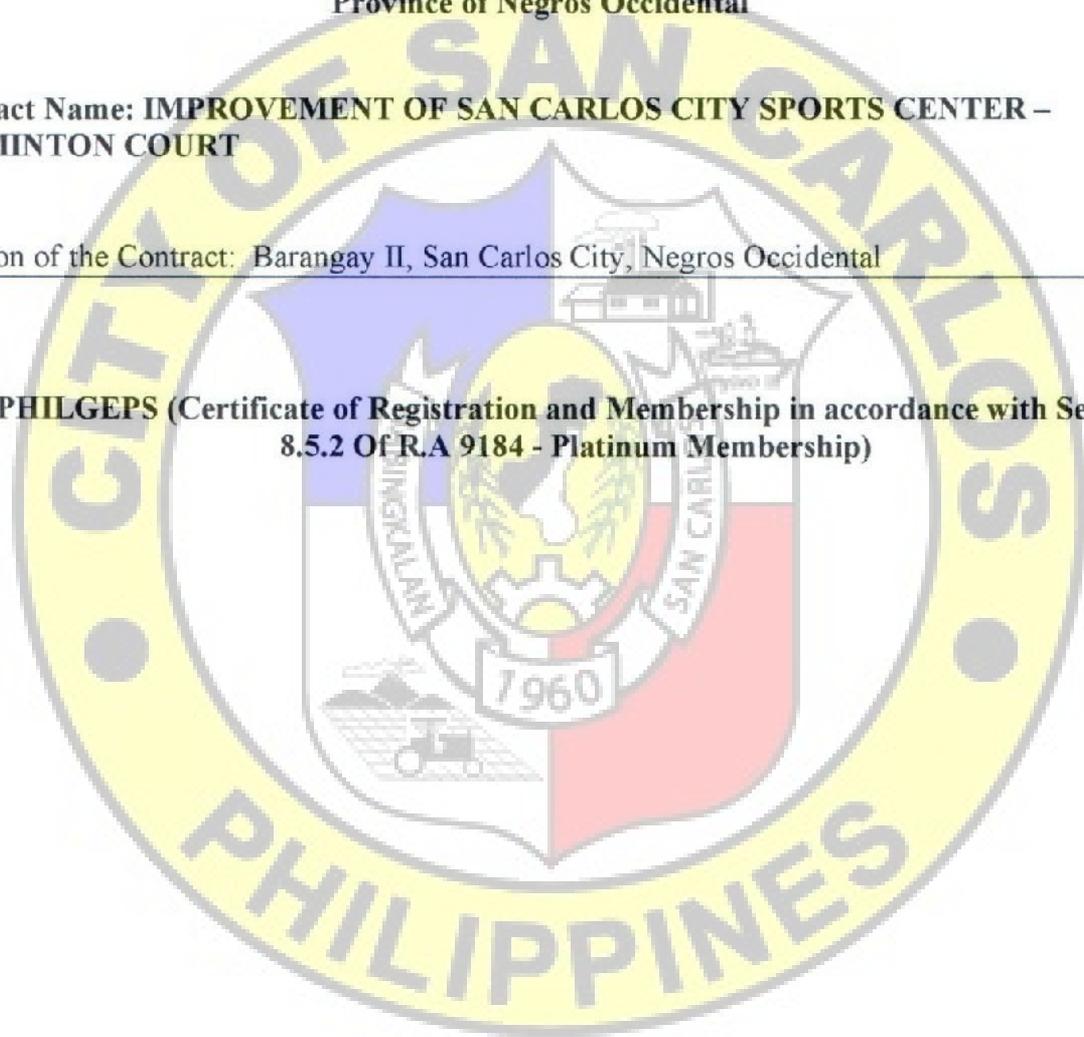
Bid and Awards Committee
City of San Carlos

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

**Contract Name: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER –
BADMINTON COURT**

Location of the Contract: Barangay II, 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)**

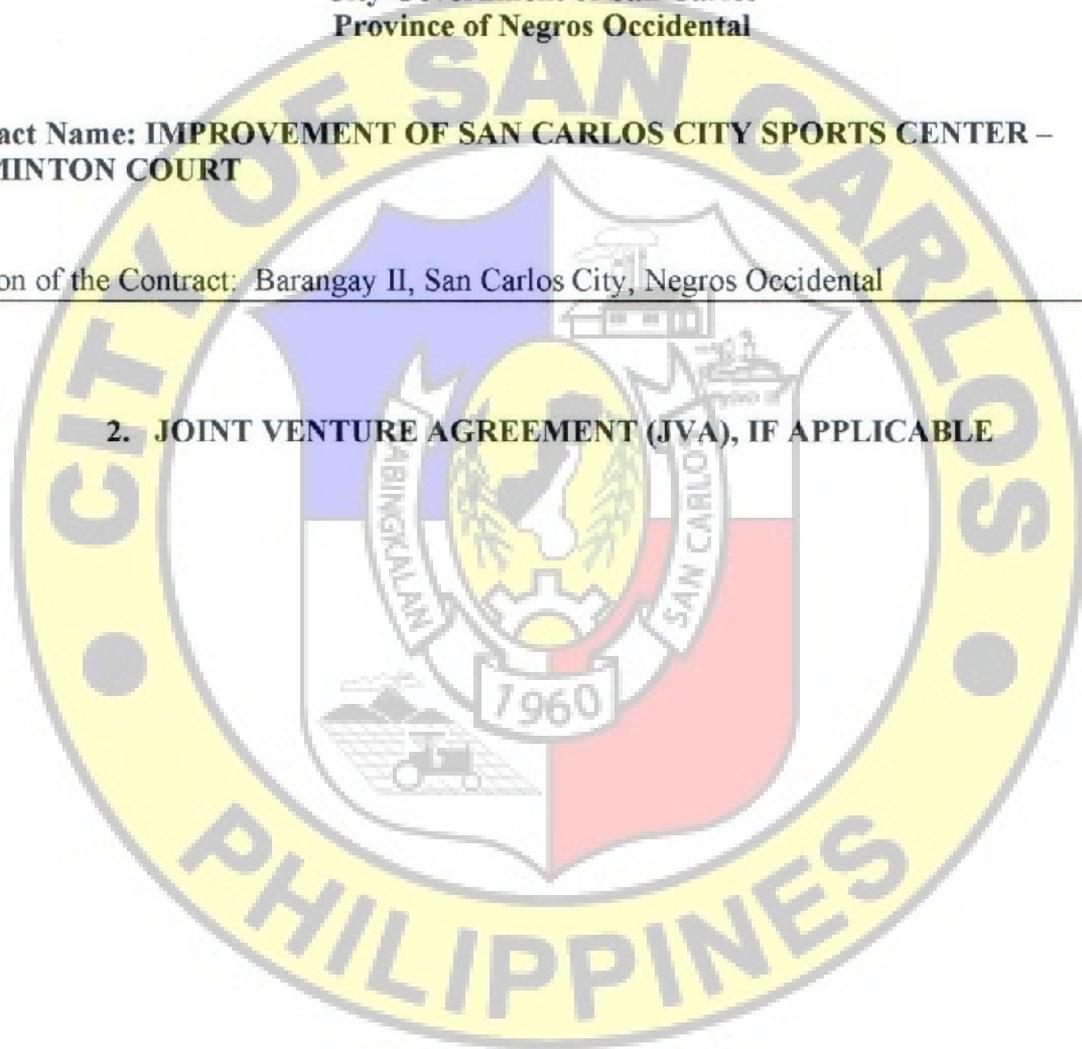


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2. JOINT VENTURE AGREEMENT (JVA), IF APPLICABLE

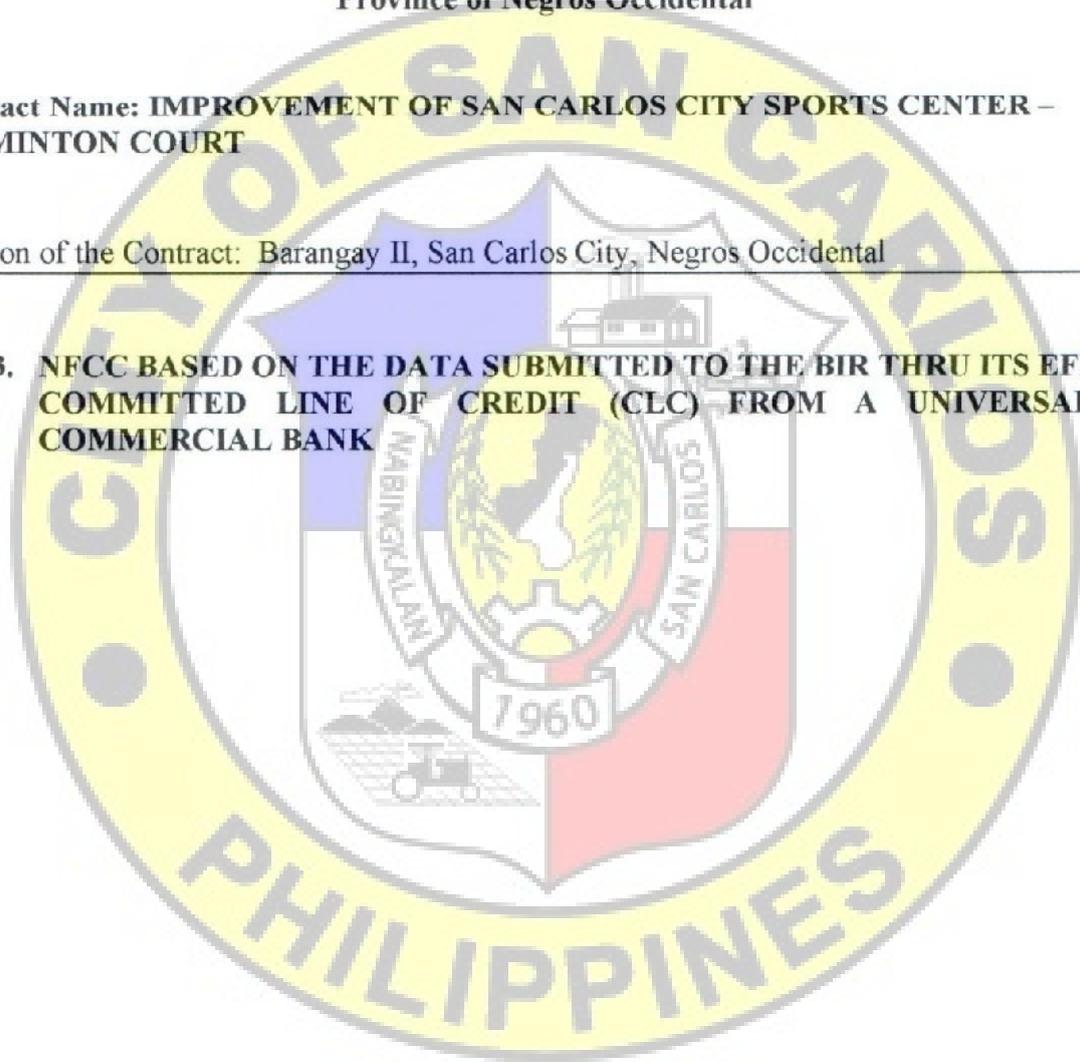


**Republic of the Philippines
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- 3. NFCC BASED ON THE DATA SUBMITTED TO THE BIR THRU ITS EFPS OR
COMMITTED LINE OF CREDIT (CLC) FROM A UNIVERSAL OR
COMMERCIAL BANK**

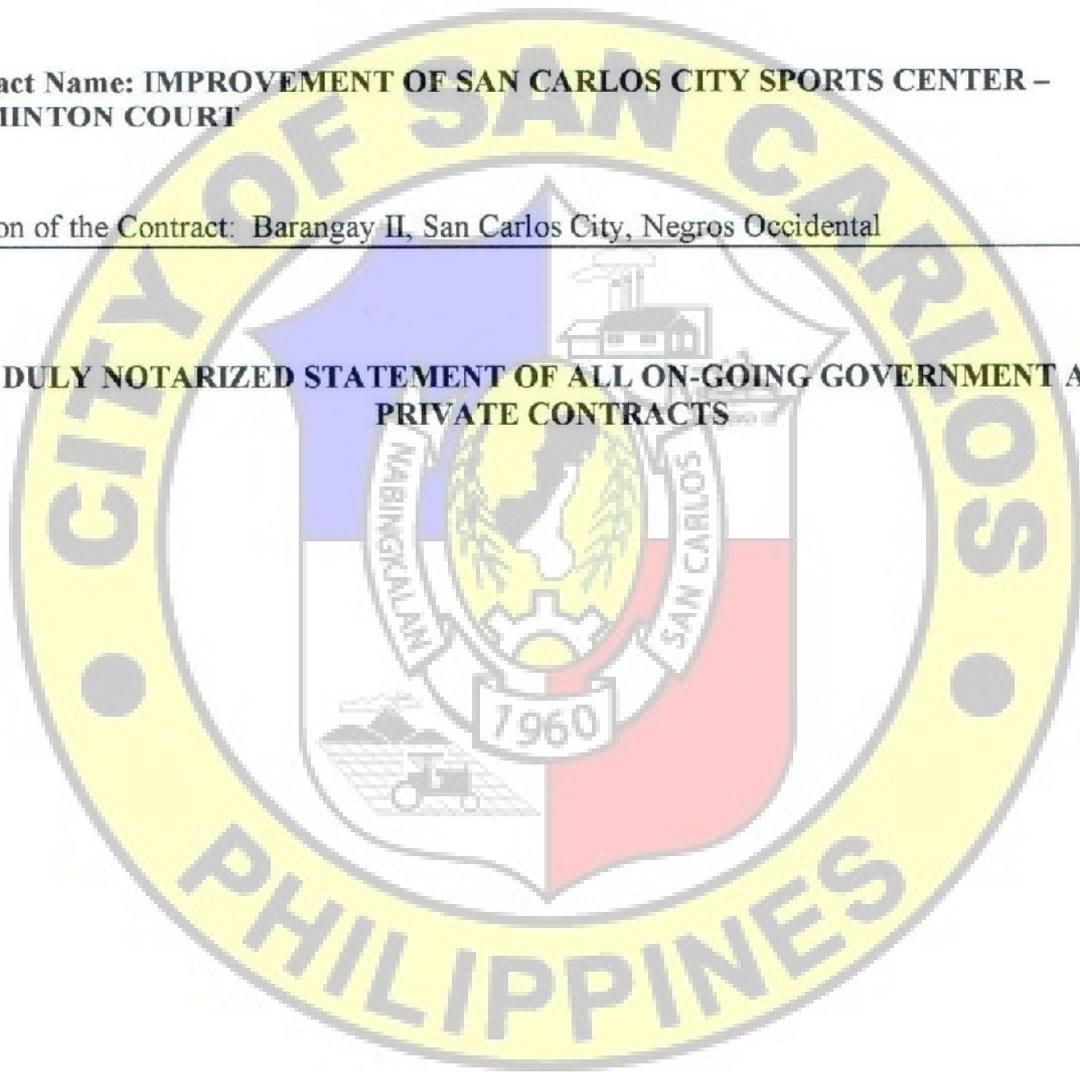


**Republic of the Philippines
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**Contract Name: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER –
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Location of the Contract: Barangay II, San Carlos City, Negros Occidental

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



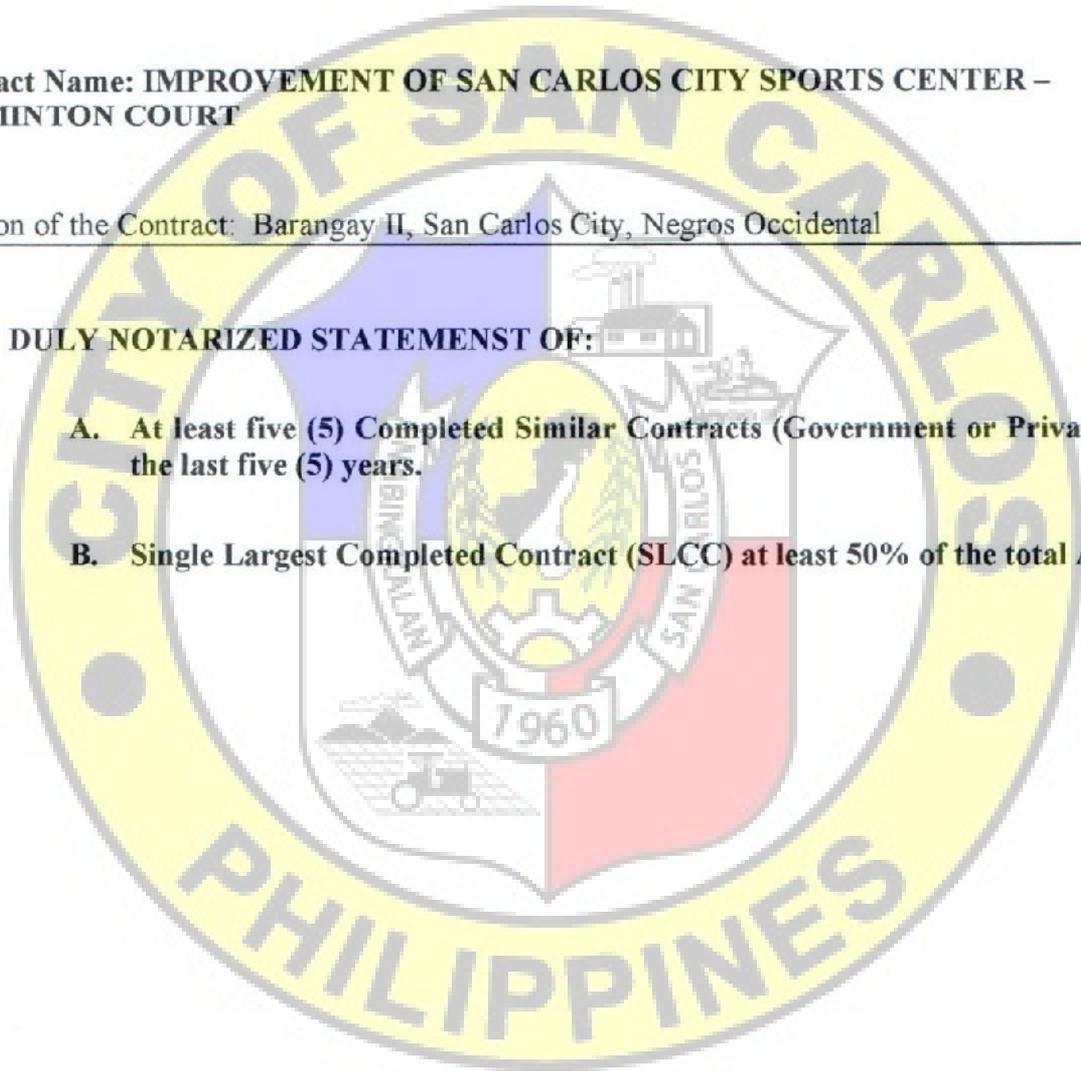
**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER –
BADMINTON COURT**

Location of the Contract: Barangay II, San Carlos City, Negros Occidental

5. DULY NOTARIZED STATEMENT OF:

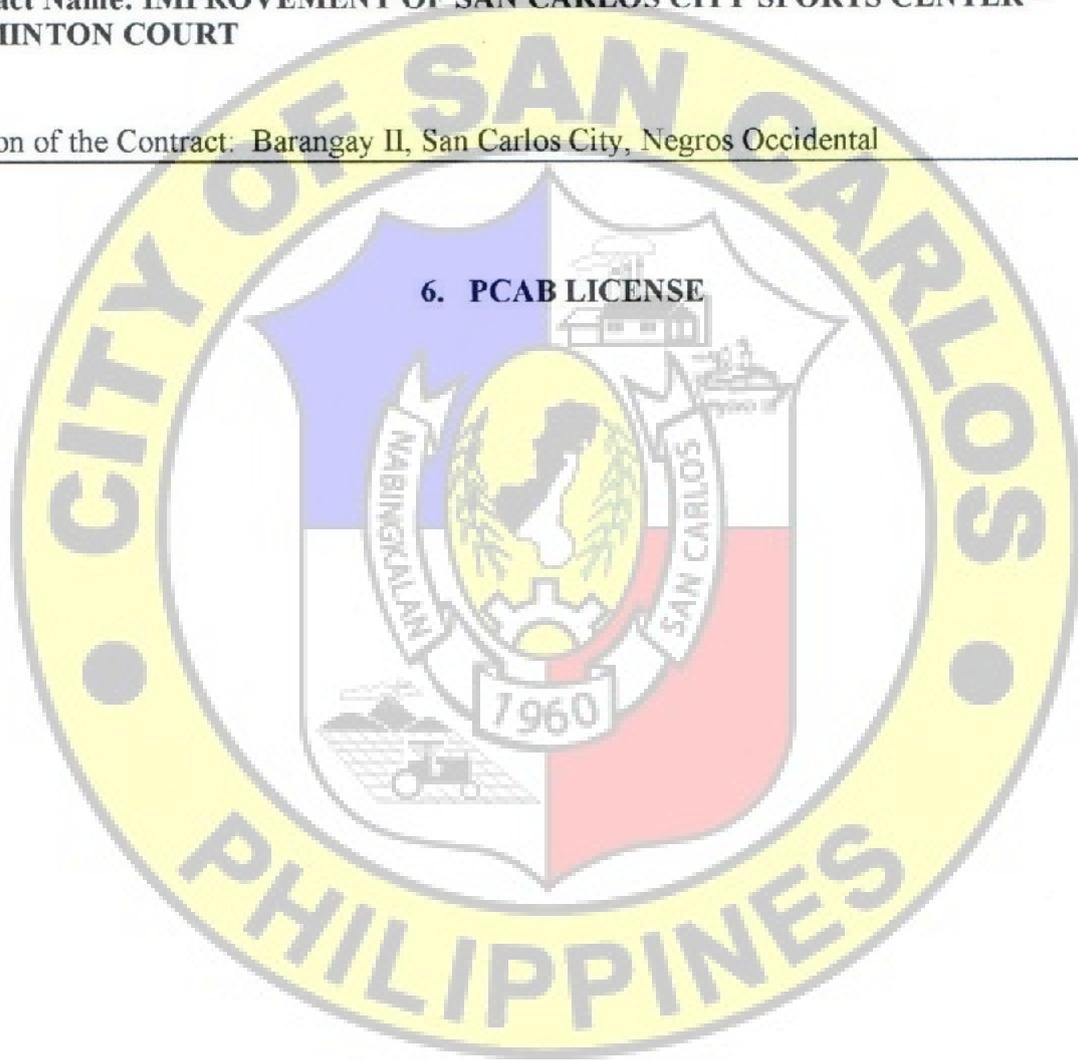
- A. At least five (5) Completed Similar Contracts (Government or Private) for the last five (5) years.**
- B. Single Largest Completed Contract (SLCC) at least 50% of the total ABC.**



Republic of the Philippines
City Government of San Carlos
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6. PCAB LICENSE

Republic of the Philippines
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BADMINTON COURT**

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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.

AFFIANT

SUBSCRIBED AND SWORN TO before me this _____, day of _____, 20____, affiant

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

(Notary Public)

Until _____
PTR No. _____
Date _____
Place _____
TIN _____

Document No. _____
Page No. _____
Book No. _____
Series of _____

**Republic of the Philippines
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**Contract Name: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER –
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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.: 401-25-05-0941

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]

**Contract Name: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER –
BADMINTON COURT**

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9. OMNIBUS SWORN STATEMENT IN ACCORDANCE WITH SECTION 25.3

for
Purchase Request (PR) No. 401-25-05-0941
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. 401-25-05-0941
Approved Budget of the Contract (ABC): ₱ 9,950,500.00

**IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER – BADMINTON COURT,
BRGY. II, 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:
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SCHEDULES
Schedule/Place of Pre-bid Conference

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BAC Secretarial Office
2F City Hall Building

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Bid and Awards Committee
City of San Carlos

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BADMINTON COURT**

Location of the Contract: Barangay II, 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 (BOQ) containing the total bid amount
3. Duly Signed Detailed Estimates
4. Duly Signed Cash flow by quarter and payment schedule

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1. DULY SIGNED BID FORM

Date: _____

Project Identification / Purchase Request No. : 401-25-05-0941

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 allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/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: _____

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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/Excavation	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____	
II Structural Works (Including the Removal of Existing Wall, Installation of 4 Access Stairs)	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____	
III Carpentry Works/Formworks	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____	
IV Roofing Installation	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____	
V Electrical Works and Lighting Installation	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____	
VI Exit Doors and Access Stairs Installation	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____	
VII Painting Works of Wall (Interior & Exterior)	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____	
VIII Ventilation Exhaust Fan Installation	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____	
TOTAL BID COST				In words: Pesos _____	
				In figures: PHP _____	

Submitted by:

Name of the Representative of the Bidder

Position

Name of the Bidder Company

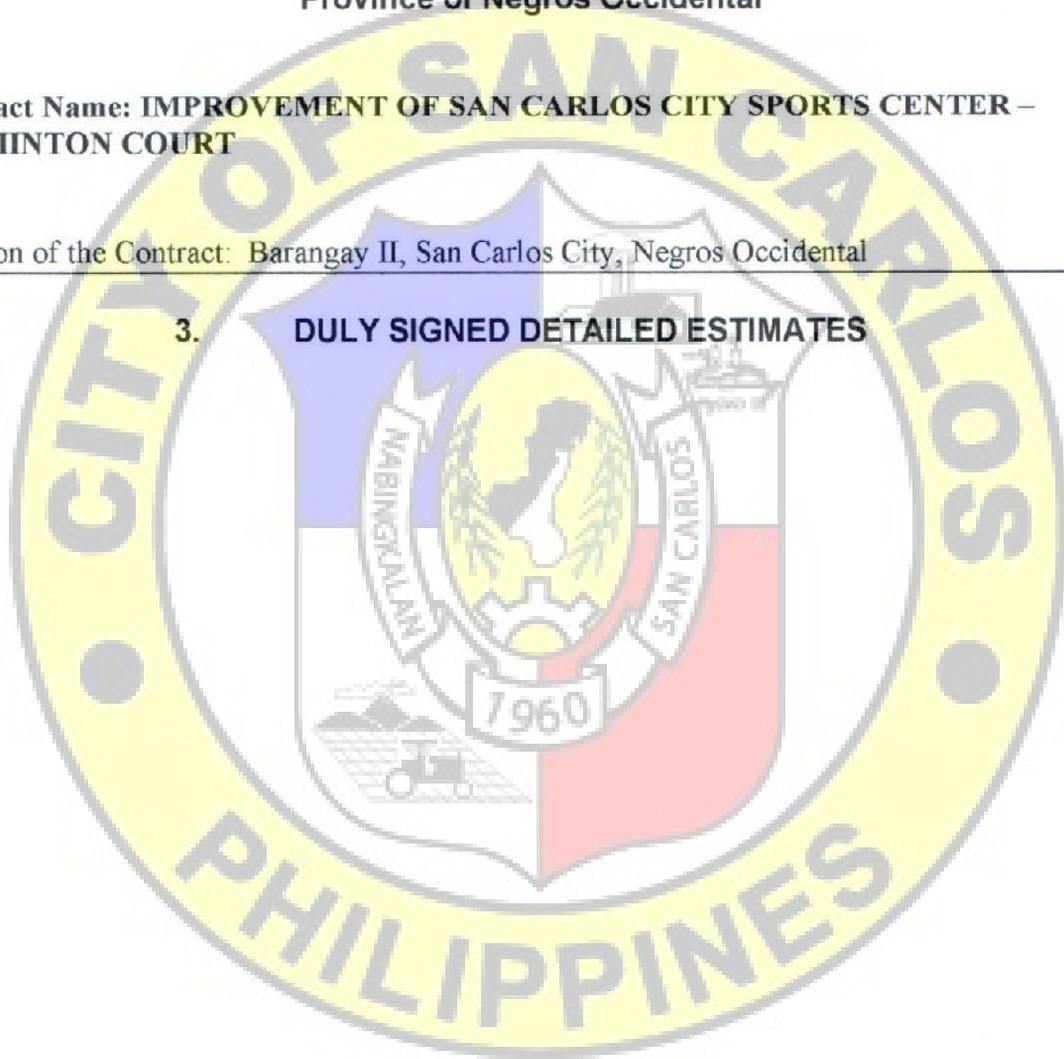
Date: _____

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BADMINTON COURT**

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3. DULY SIGNED DETAILED ESTIMATES

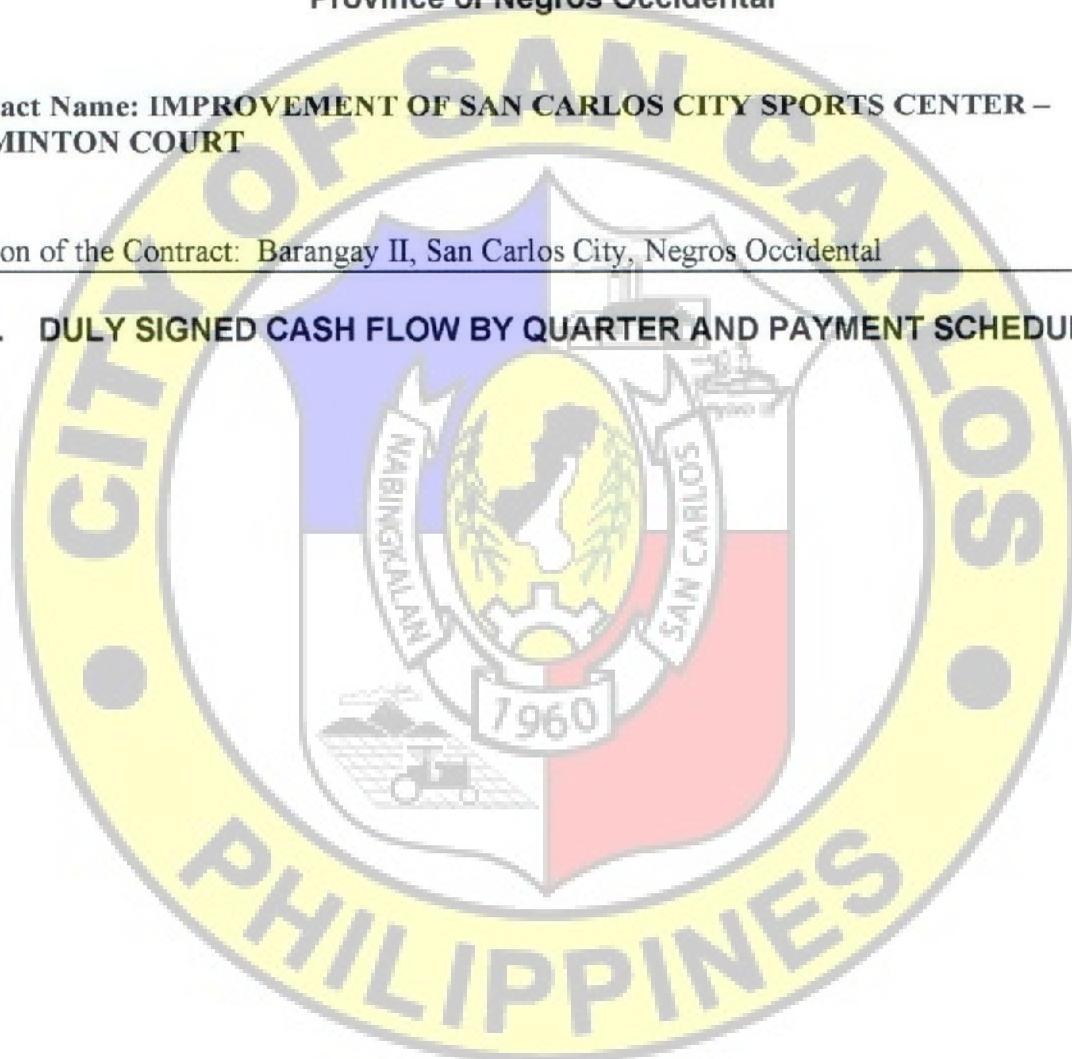


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4. DULY SIGNED CASH FLOW BY QUARTER AND PAYMENT SCHEDULE



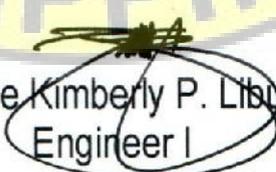
Approval Page

IMPROVEMENT OF SAN CARLOS CITY
SPORTS CENTER- BADMINTON COURT

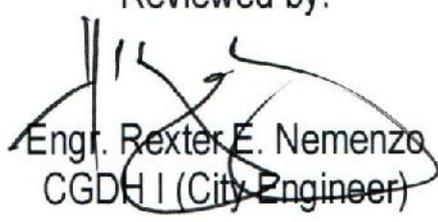
Terms of Reference

City of San Carlos
Province of Negros Occidental

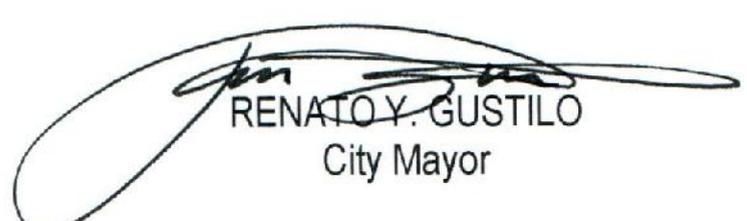
Prepared by:


Michelle Kimberly P. Libutan
Engineer I

Reviewed by:


Engr. Rexter E. Nemenzo
CGDH I (City Engineer)

Approved by:

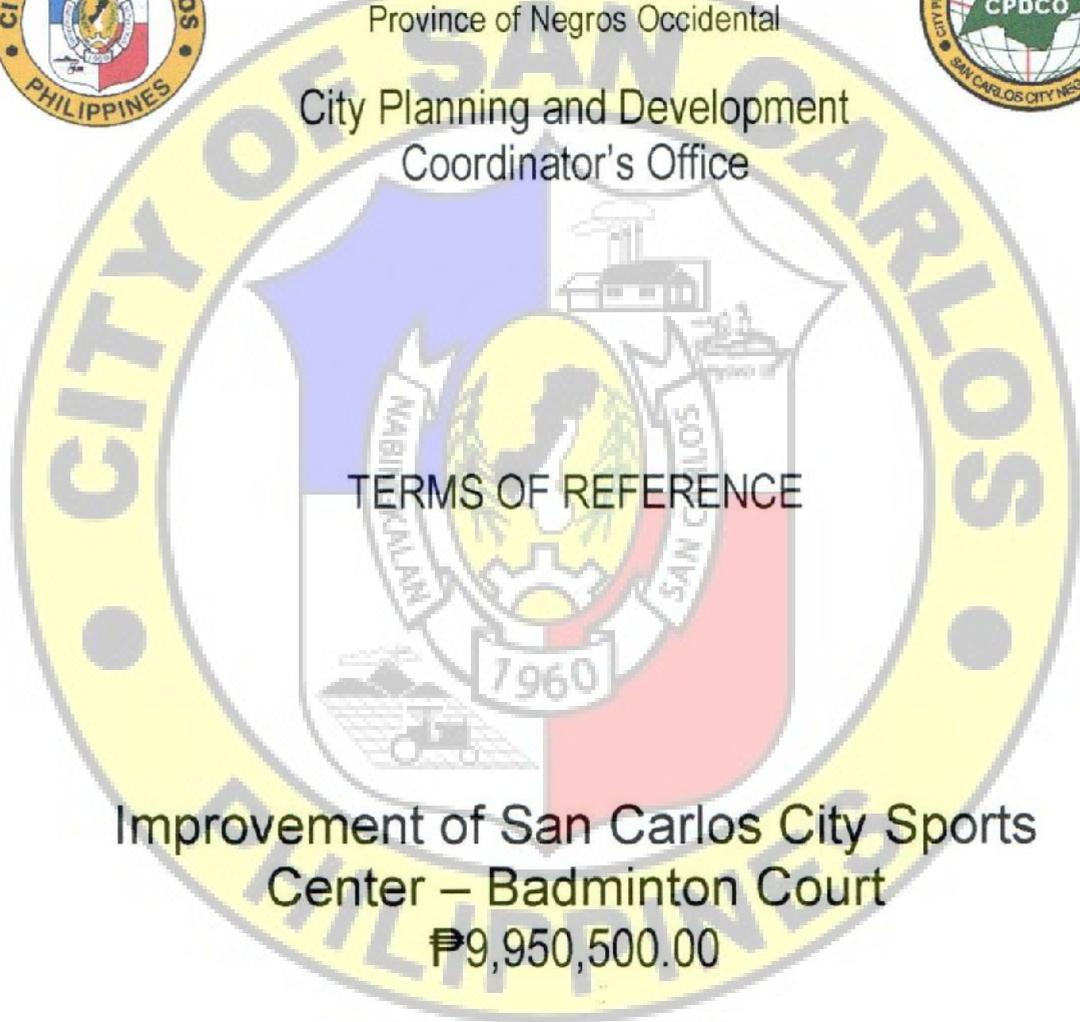

RENATO Y. GUSTILO
City Mayor



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



City Planning and Development
Coordinator's Office



TERMS OF REFERENCE

Improvement of San Carlos City Sports
Center – Badminton Court
₱9,950,500.00

Three handwritten signatures in black ink are located at the bottom of the page. The signatures are stylized and appear to be in cursive or a similar script.

Table of Contents

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A. Background

Badminton is a fast-paced racket sport that can be played with the aim of hitting shuttlecock (or shuttle) over a net. It is a recreational and competitive game played either as singles or doubles format. It is a game that strengthens muscles, gives them more vigor, increase blood flow and it helps with the mental and physical wellness of the players.

With this, more residence of San Carlos and even non local players were encouraged to play the said fun sport in our very own San Carlos City Sports Center – develop but it is likely more crowded in the court particularly during peak hours.

By this, a project "IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER-BADMINTON COURT" which includes an upgrade on the flooring and lighting and the additional badminton courts in the amenity is propose to cater the increasing active players of the said game.

B. General Objective

The project has the following objectives:

- To promote Health and Wellness;
- To develop badminton skills of players and enable to understand one's fitness condition to qualify for national and even international competitions
- Foster unity and friendship among the participants; and
- Develop sports and camaraderie.
- Develop sports and camaraderie.
- To cater more badminton enthusiasts, may it be for local/national tournaments or for recreation.

C. The Bidder/Contractor

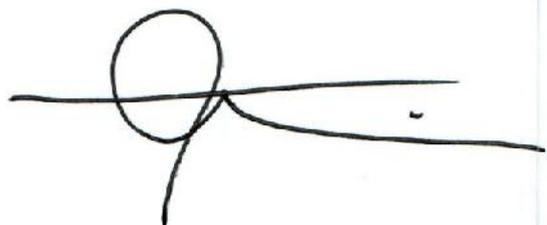
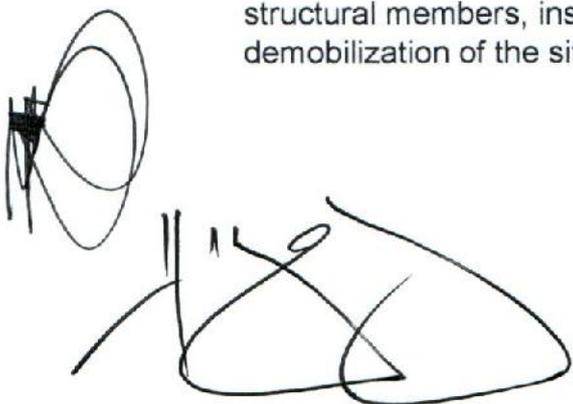
The bidder/contractor must have under taken at least five (5) similar projects for the last 5 years.

The Requirements

1. SCOPE OF WORKS

General Conditions

- The work to be executed in this project shall include the mobilization, removal of wall partitions and utilities, the site preparation, excavation, construction of structural members, installation of architectural, electrical, and the demobilization of the site after the construction.



- 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 Architect/Project-in-charged that may check and ask for samples of materials to be used for the said project.
- Any changes to specific details or fixtures due to site constraints during construction shall be first approved by the Architect/Project in-charged.
- 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

Site Clearing, Staking, Excavation, and Back-filling

- The building site shall be cleared and leveled to a suitable grade
- The building lines shall be staked out and all lines and grades shall reflect the plans accurately.
- All excavation shall be made to grade indicated in the drawings
- The materials removed from the excavation, if considered suitable, shall be used in the back-filling of the site.
- Additional back-filling material shall be provided when necessary.
- Each layer of material shall be thoroughly compacted by wetting, tamping and rolling.

Structural Work

- All the construction of structural members shall follow the details found on the plan drawings.
- Concrete shall be mixed thoroughly such that there is a uniform distribution among cement and aggregates.
- Concrete should be vibrated, and its forms tapped during pouring to prevent formation of voids.
- Cement shall be Portland cement (Class A) and only one brand shall be used throughout the whole project.
- Sand shall be cleaned and washed.
- Gravel shall be 19mm (3/4"), well graded and washed.
- Use 100mm (4") concrete hollow blocks approved by the Architect for the walls.
- All reinforced steel bars shall be new and free from rust, grease, kinks, and defects and shall conform to the ASTM.
- Dowels will be readied in the columns and beams in preparation for future expansion of the building



- Forms and shoring shall not be removed until concrete has adequately set and strong enough to withstand anticipated loading.
- Keep concrete continuously wet and moist for at least one week of placing. Curing shall begin as soon as concrete has initial set.

Electrical Works

- All the construction of electrical installations shall follow the details found on the plans.
- Installation of new wiring, fittings and panel boards.
- Installation of electrical works shall connect to the existing power source sources.
- Installation of new electrical fixtures of finest quality, inspected and approved by the Architect/Project in-charged.
- Checking and testing (from time to time) must be done to check for any problems with the installation.
- Installation shall be tested for complete system prior to acceptance.

Architectural Works

- All exterior and interior walls shall be painted.
- Use primers, thinners, and putty.
- Powdered coated doors shall be installed.
- All exposed finish hardware, lighting fixtures and accessories, glass and the like shall be adequately protected that these are not stained with paint and other painting materials prior to painting works. All other endangered by stains and paints should be taped and covered with craft paper or equal.



Materials

Structural Works (Including the Removal of Existing Wall, Installation of 4 Access Stairs)

Materials :

1950	bags	Portland Cement Type 1
120.1	cu.m.	Mixing Sand
101.18	cu.m.	Mixing Gravel
246	lengths	DRSB 10mmØ x 6m
350	lengths	DRSB 12mmØ x 6m
231	lengths	DRSB 16mmØ x 6m
159	lengths	DRSB 20mmØ x 6m
7560	pcs	CHB 6"
125	pcs	Steel Cutting Disc 4" dia.
53	kgs	G.I. Tie Wire #16

Carpentry Works/ Formworks

Materials :

78	shts	Ordinary Plywood 4'x8'x1/2"
212	lgths	Rough Lumber 2" x 3" x 8'
20	kgs	CW Nails 2 1/2"
20	kgs	Concrete Nails 4"
20	kgs	CW Nails 1"
70	ln.m	Sakoline

Roofing Installation

Materials :

Bended Panels		
810	lm	Ribtype 0.50mm
12	pcs	Ridgeroll
12	pcs	End Flashing 0.40mm
29	rolls	P.E. Insulator Foam 10mm S
24	pcs	Gutter
36	pcs	Metal Fascia 0.40mm
50	lhs	C-Purlin 1.50mmx2x6
125	lhs	welding rod #6012
135	lhs	Angle Bar 1/4 x 2
120	lhs	Angle Bar 1/4 x 1 1/2
35	lhs	Angle Bar 3/16 x 1 1/2
40	lhs	16mmØ DRSB
48	kls	Epoxy Primer
Hardware Accessories		
6000	pcs	tekscrew #12 -24 x 45mm HEX w/ Neo
3000	pcs	blind rivets
45	ctgs	Silicon Rubber Sealant
2	btl	Touch up Acrylic Paint
40	kls	Tie Wire #18
30	btls	Rubber Sealant
25	gals	Red Oxide
24	gals	Lacquer Thinner

Electrical Works and Lighting Installation		
Materials:		
52	pcs.	125 watts led sports light 16250 lumens AC 100-265 volts 50-60Hz IP65 with Anti-glare diffuser Daylight
20	rolls	big electrical tape (good quality)
17	box.	THHN stranded wide no.12
150	meters	THHN stranded wide no.4
1	pc	Powder coated Pull box 30x25x35
5	packs.	cable tie 6" long
5	kg.	tie wire
3	pcs.	three gang switch 10Amps 230V
5	pcs.	surface type utility box
100	lgths.	1/2 pvc pipe sched 20
50	lgths.	3/4 pvc pipe sched 20
30	lgths.	1 1/2 pvc pipe sched 40
12	pcs.	junction box
75	lgths.	plane round bar 12mm x6m
25	lgths.	steel square tube 1" x 1" x 6m
25	lgths.	steel square tube 2" x 2" x 6m
72	lgths.	angle bar 2" x 2" x 6mm x6m
40	kg.	welding rod #6013

Painting Works of Wall (Interior & Interior)		
Materials:		
60	gals	Neutralizer
150	gals	Flat Latex (Color to be determined)
60	gals	Acrylic Primer
70	sacks	Masonry Putty
35	gals	Acrylic Cast
35	gals	Acrylic Reducer
100	pcs	Sand Paper #100
100	pcs	Sand Paper #120

Ventilation Exhaust Fan Installation		
Materials:		
6	pcs	Industrial Ventilation Exhaust Fan

Handwritten signatures and initials at the bottom of the page, including a large signature on the right and several initials on the left.

E. Delivery/Completion

150 calendar days upon receipt of Notice to Proceed.

F. Manpower Requirement

Manpower for the construction shall have at least the following;

- a. One (1) Foreman
- b. Four (4) Electricians
- c. Ten (10) Skilled laborers (to include Mason, Welder, and Carpenter)
- d. Six (6) helpers

G. Warranty

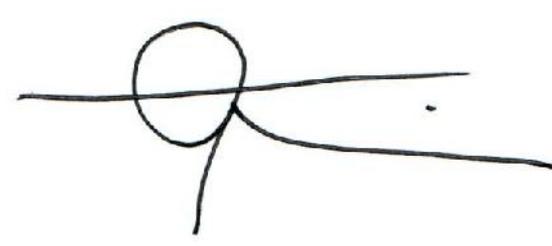
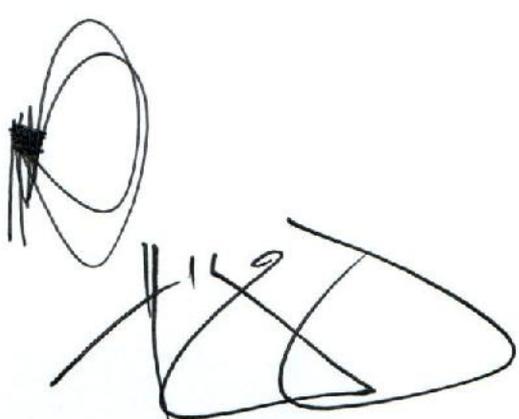
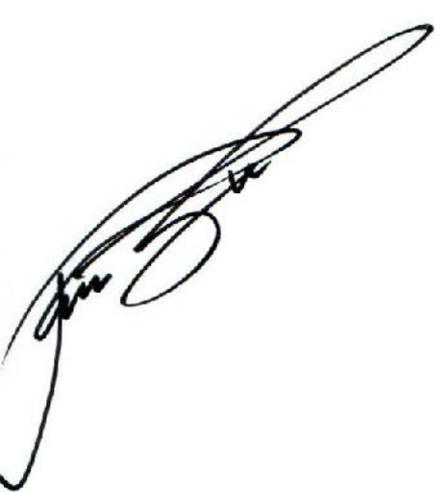
Warranty shall be for a period of (1) year including the moving posts and mechanism from the turn-over of the completed project.

H. Punch List

A joint inspection between the end-user and contractor shall be conducted for punch listing upon the request for completion of the project.

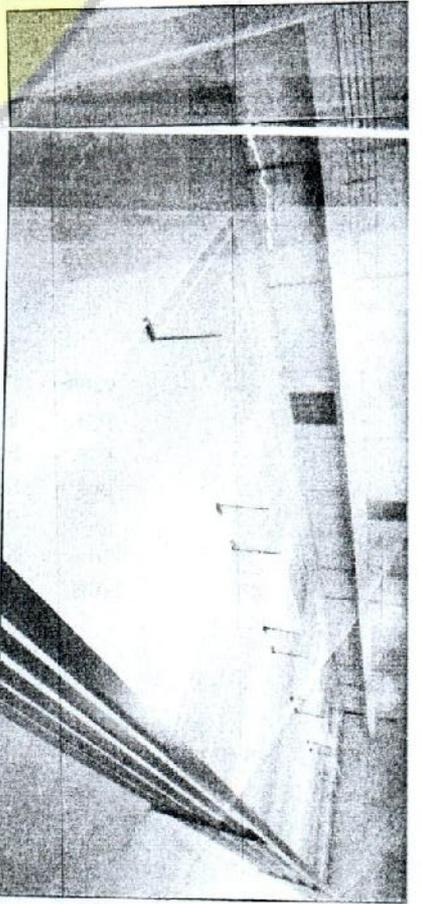
I. Payment Scheme

Payment shall be in accordance with RA 9184 and other relevant laws.

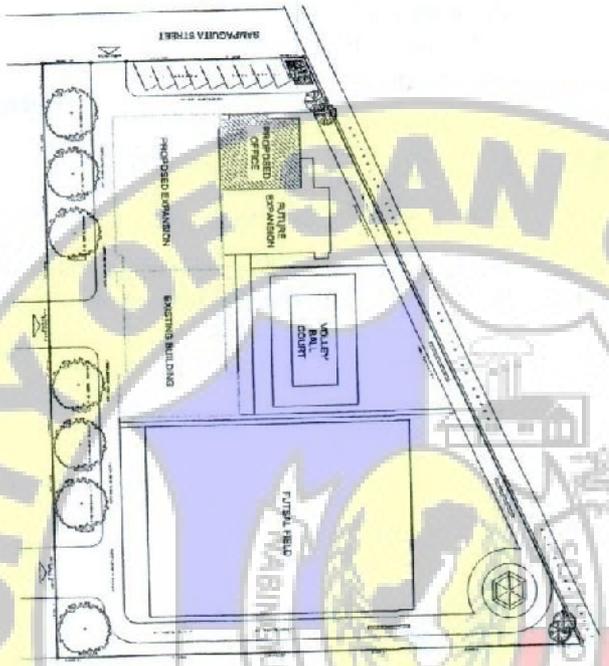




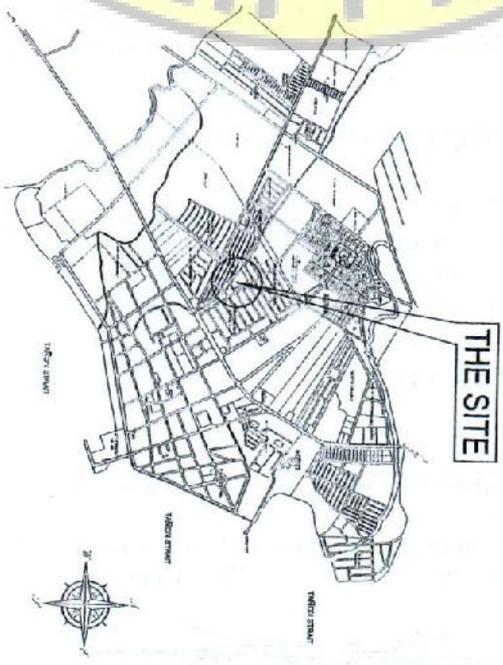
EXTERIOR PERSPECTIVE
NTS



INTERIOR PERSPECTIVE
NTS



SITE DEVT. PL
NTS



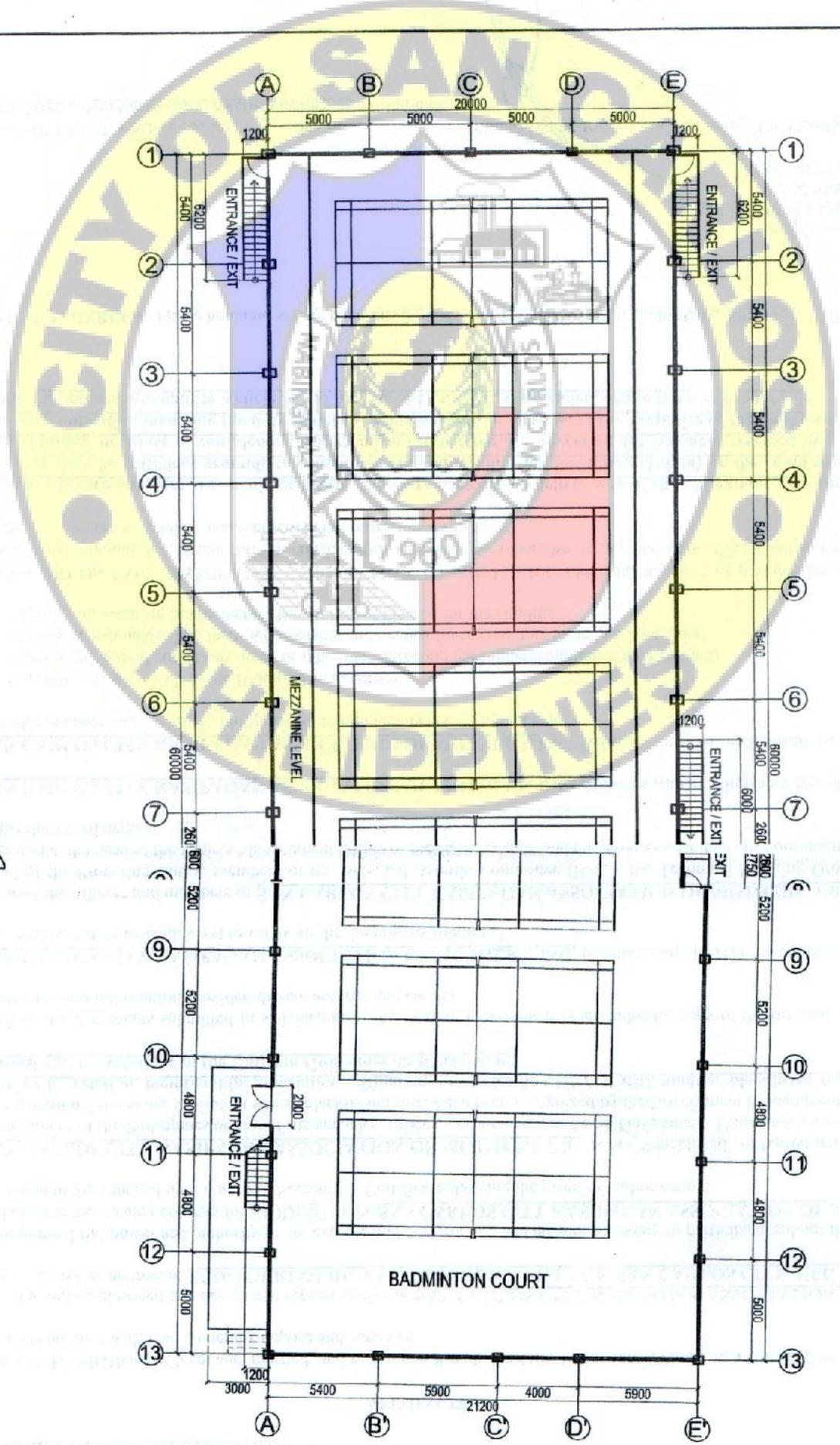
LOCATION MAP
NTS

PREPARED BY THE OFFICE OF THE C. E. D CITY ENGINEERING OFFICER ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL	PROJECT TITLE IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER-BADMINTON COURT LOCATION: SAN CARLOS CITY	PREPARED BY ENGR. MICHAEL FERRELL P. LIBERTAN ENGINEER I	SECOND CHECKER ENGR. MELVIN JONES ENGINEER I
--	---	---	---

RECOMMENDING APPROVAL ENGR. REYNOLD E. MERMENDO ENGINEER I / CITY ENGINEER	APPROVED BY MR. BENEDICTO Y. GUSTILO CITY ENGINEER
---	---

BUILDING OFFICIAL RECOMMENDING APPROVAL LAND USE & ZONING HEAD DATE	RECOMMENDING APPROVAL ARCHITECTURAL HEAD DATE	RECOMMENDING APPROVAL STRUCTURAL HEAD DATE	RECOMMENDING APPROVAL SANITARY HEAD DATE	RECOMMENDING APPROVAL ELECTRICAL HEAD DATE	RECOMMENDING APPROVAL MECHANICAL HEAD DATE	RECOMMENDING APPROVAL FIRE SAFETY HEAD DATE	DRAWN BY: AI	SHEET NO. 1
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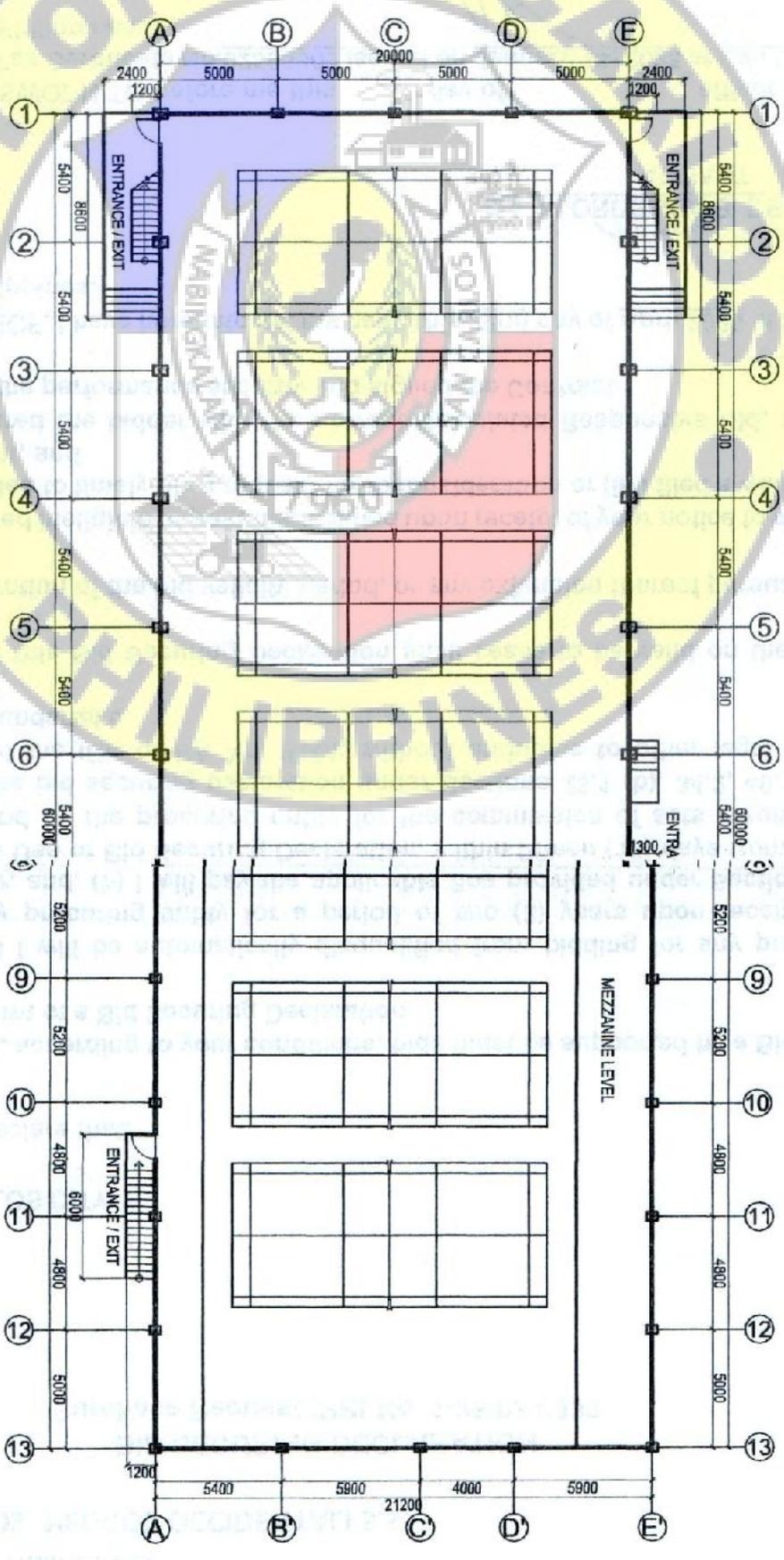
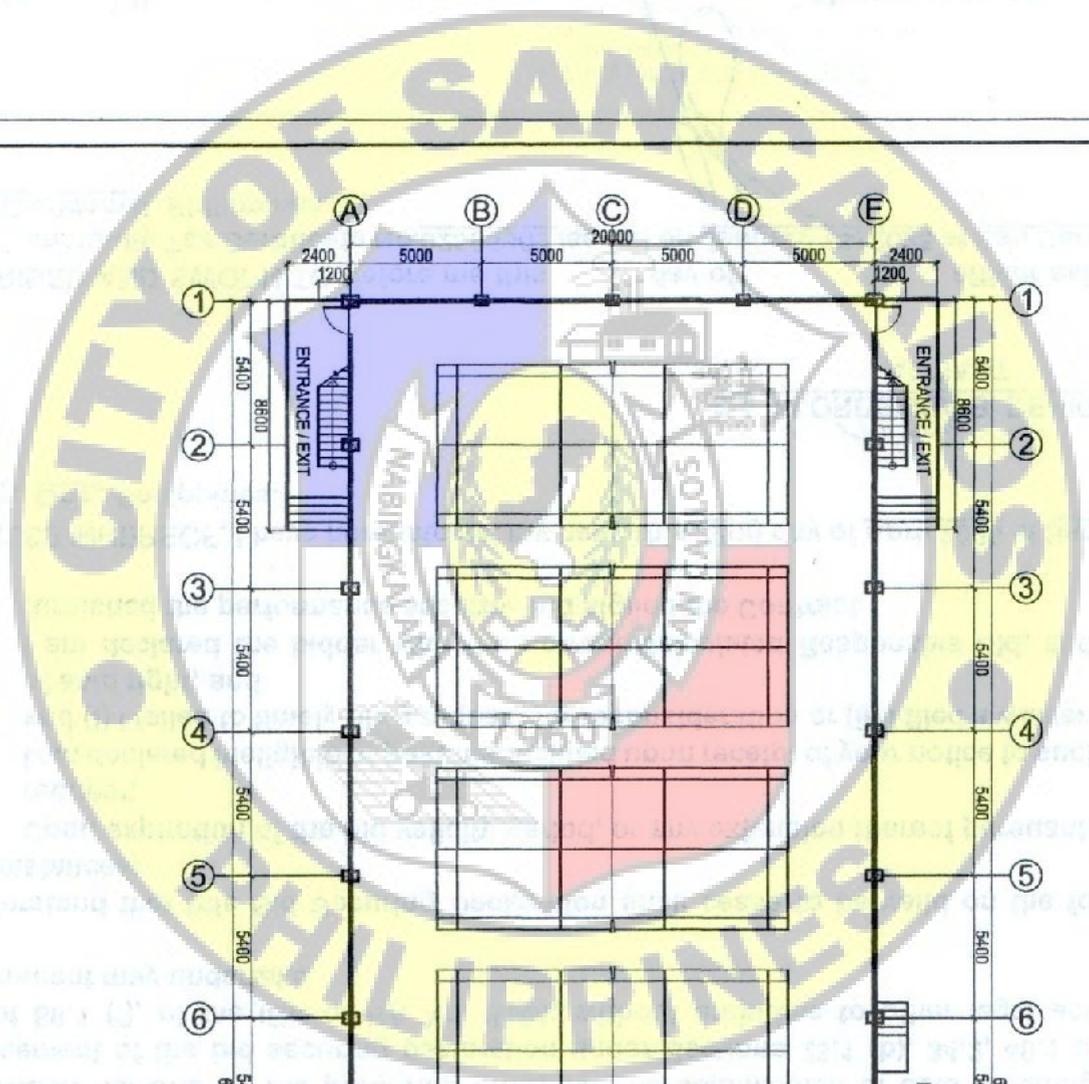
CERTIFIED COPY



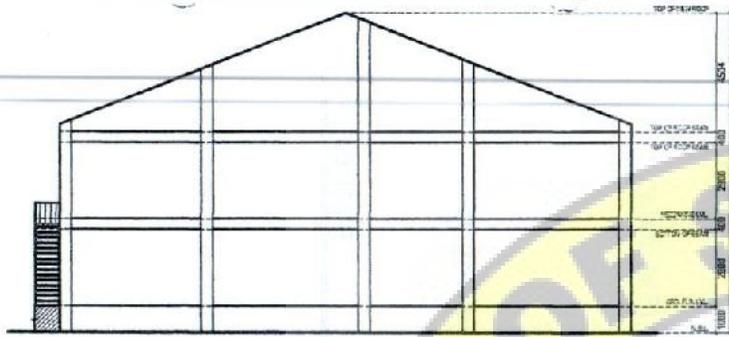
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FLOOR PLAN
 SCALE 1:200M

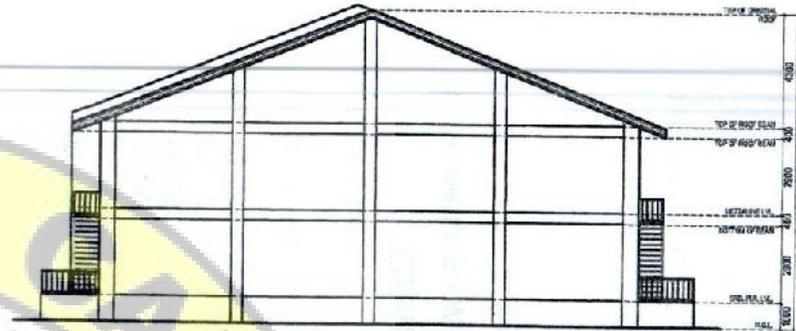
PREPARED BY THE OFFICE OF THE:	C. E. D CITY ENGINEERING DIVISION	PROJECT TITLE:	IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT	PREPARED BY:	ENGR. MICHAEL MONDRIVY P. SORBITAN ENGINEER I
SOURCE: SAN CARLOS CITY, RECORD OCCUPANCIA	LOCATION: SAN CARLOS CITY	PROJECT TITLE:	IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT	SUPERVISOR:	ENGR. MELVIN ANTONIO ENGINEER III
		PROJECT TITLE:	IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT	REVISIONS:	ENGR. RYAN E. MENENDEZ CITY ENGINEER
		PROJECT TITLE:	IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT	APPROVED BY:	ENGR. RENATO Y. GUSTILO CITY ENGINEER
		PROJECT TITLE:	IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT	DRAWN BY:	
		PROJECT TITLE:	IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT	SHEET NO.:	A3
		PROJECT TITLE:	IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT	NO. OF SHEETS:	3



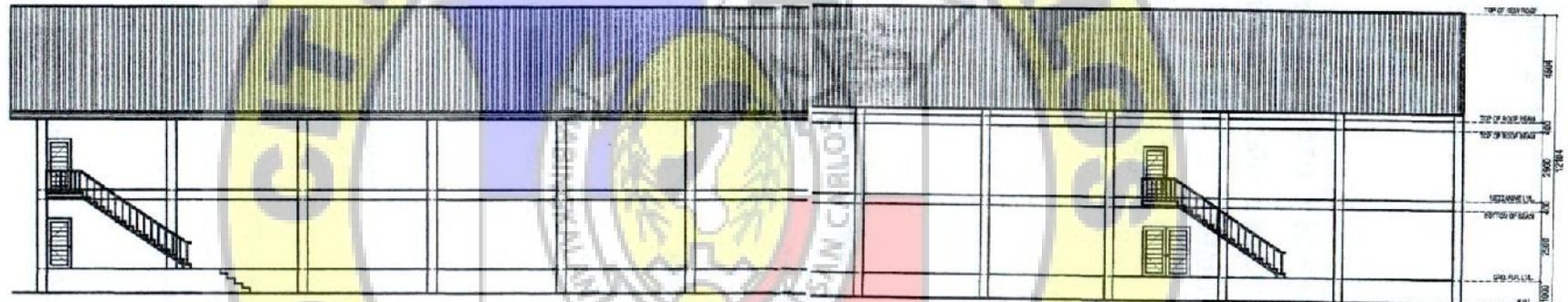
PREPARED BY THE OFFICE OF THE C. E. D. CITY ENGINEERING DIVISION ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL	PROJECT TITLE IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER-BADMINTON COURT LOCATION: SAN CARLOS CITY	PREPARED BY ENGR. MICHELLE FERRELLA-LIBOTAN ENGINEER I	CHECKED BY ENGR. RANIMNES ENGINEER	REVISION / APPROVAL ENGR. REXTER E. MENDOZA CONSULTANT / ARCHITECT	APPROVED BY HON. RENEATO Y. GUSTILLO CITY ENGINEER	DATE:	SHEET NO. AA 4
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1 FRONT ELEVATION
SCALE 1:200M



2 REAR ELEVATION
SCALE 1:200M

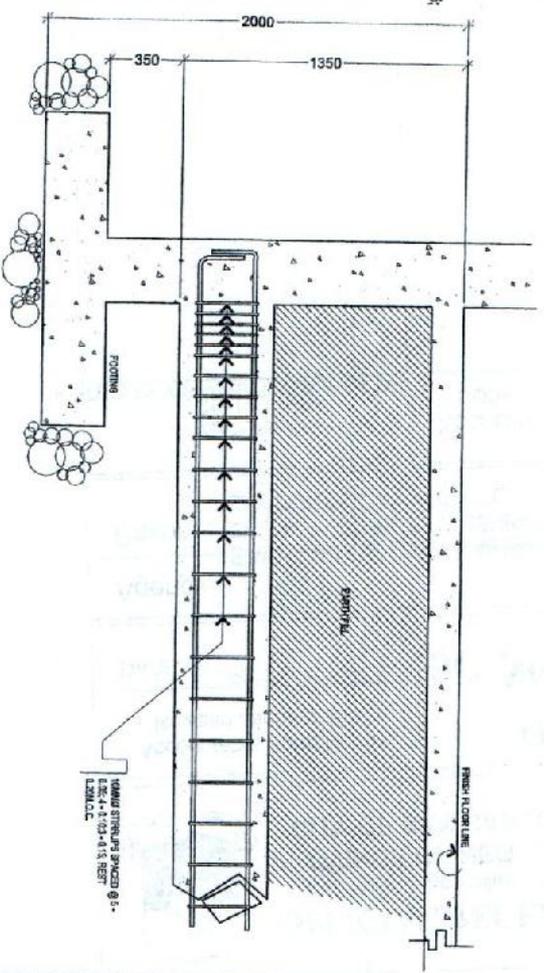
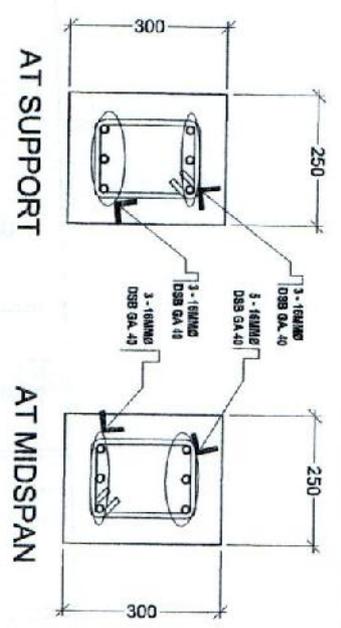
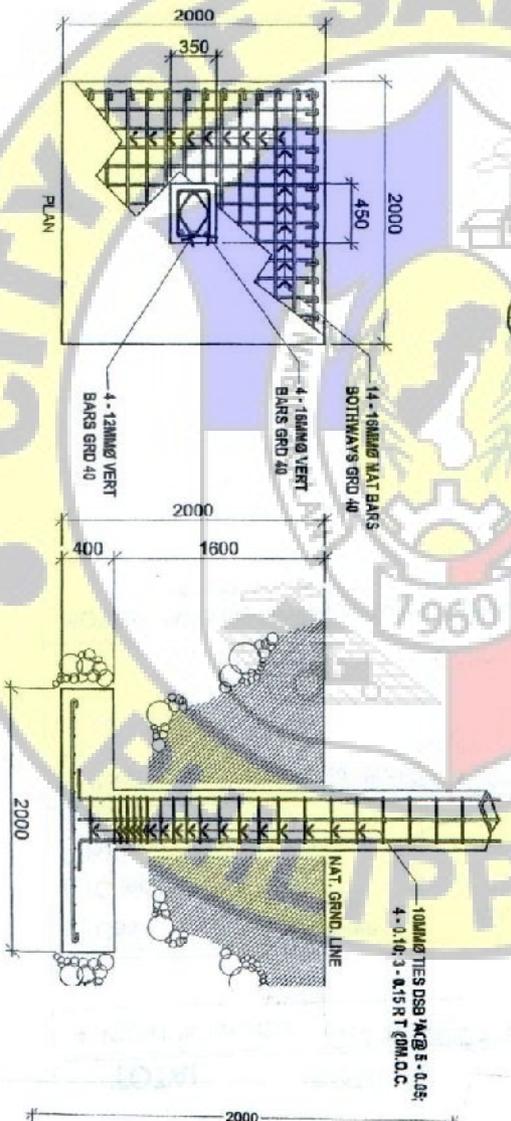
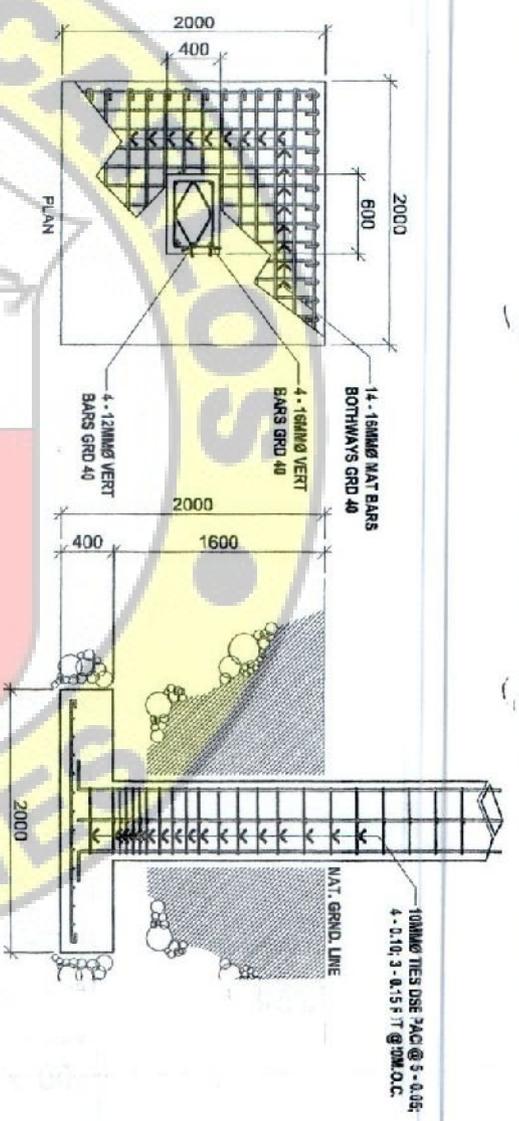


3 LEFT ELEVATION
SCALE 1:200M



4 RIGHT ELEVATION
SCALE 1:200M

PREPARED IN THE OFFICE OF THE: C. E. D. CITY ENGINEERING DEPARTMENT	PROJECT TITLE: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT	PREPARED BY: ENGR. MICHELLE KIMBERLY P. LIBUTAN	SIGNED AND SEALED: ENGR. MELVIAN ONES	RECOMMENDING APPROVAL: ENGR. REXTER E. NENENZO	APPROVED BY: HON. RENATO Y. GUSTILO	DRAWN BY:	SHEET NO.:
ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL	LOCATION: SAN CARLOS CITY	ENGINEER I	ENGINEER III	CORN / CITY ENGINEER	CITY MAPPER		A5 5

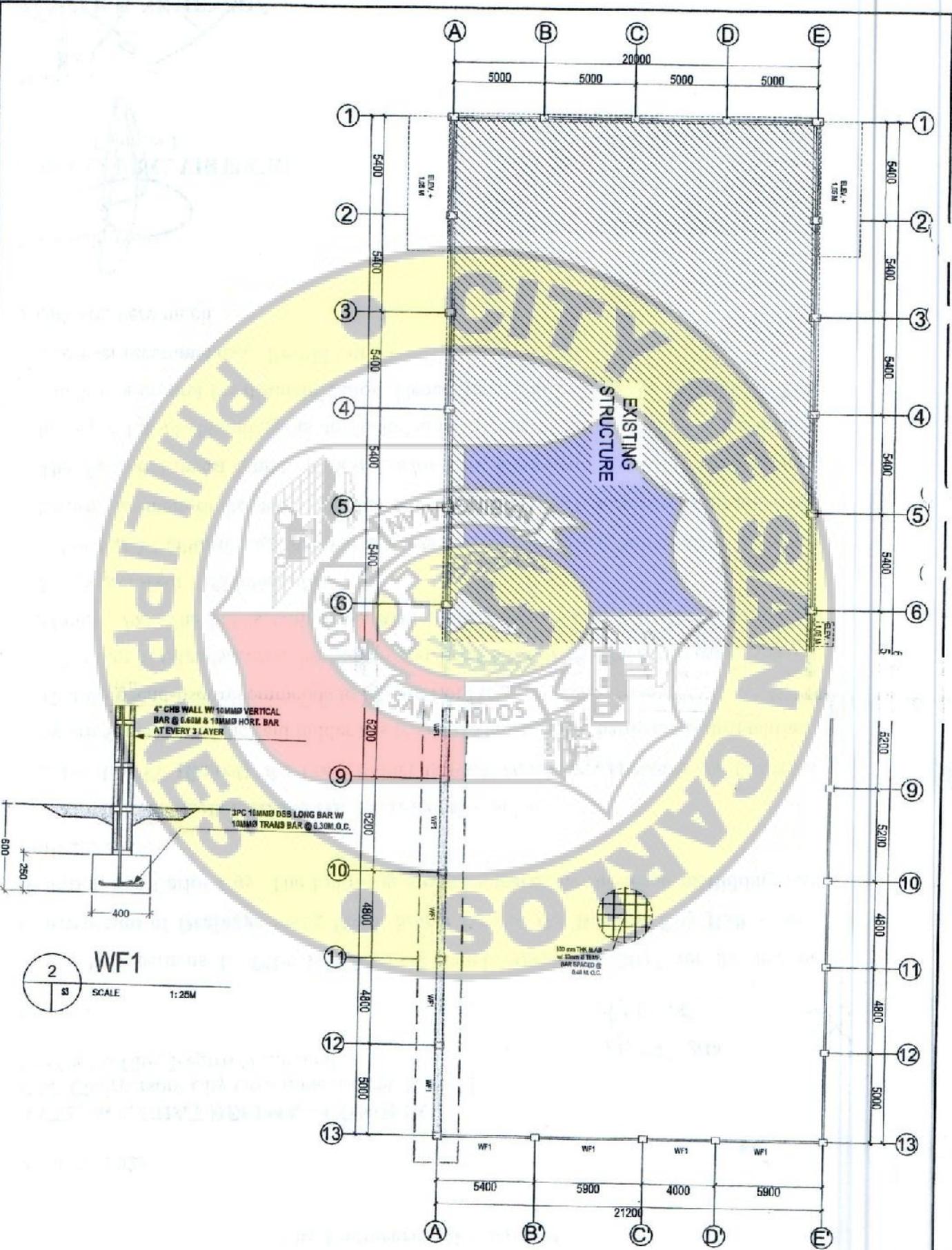


PREPARED IN THE OFFICE OF THE: C. E. B. CITY TECHNOLOGICAL UNIVERSITY	PROJECT TITLE: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER (AMUNITION COURT) (LOCATION: SAN CARLOS CITY)	PREPARED BY: ENGR. MICHELLE KAMBERLY T. BANTUAN (ENGINEER)	SIGNED AND CHECKED BY: ENGR. ... (ENGINEER)
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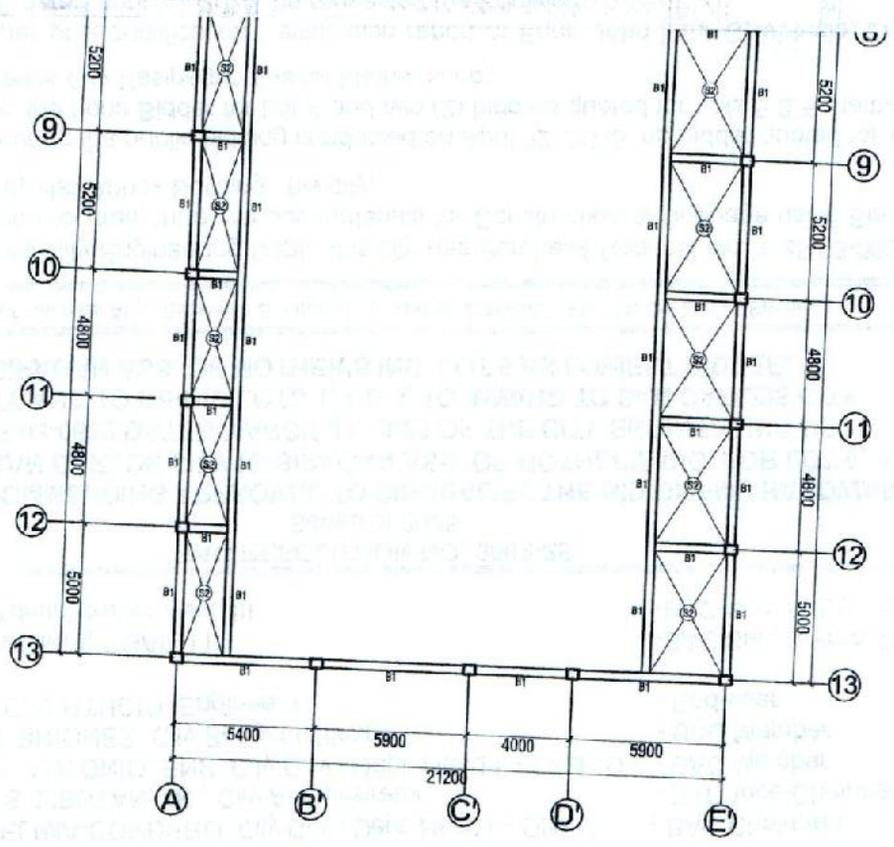
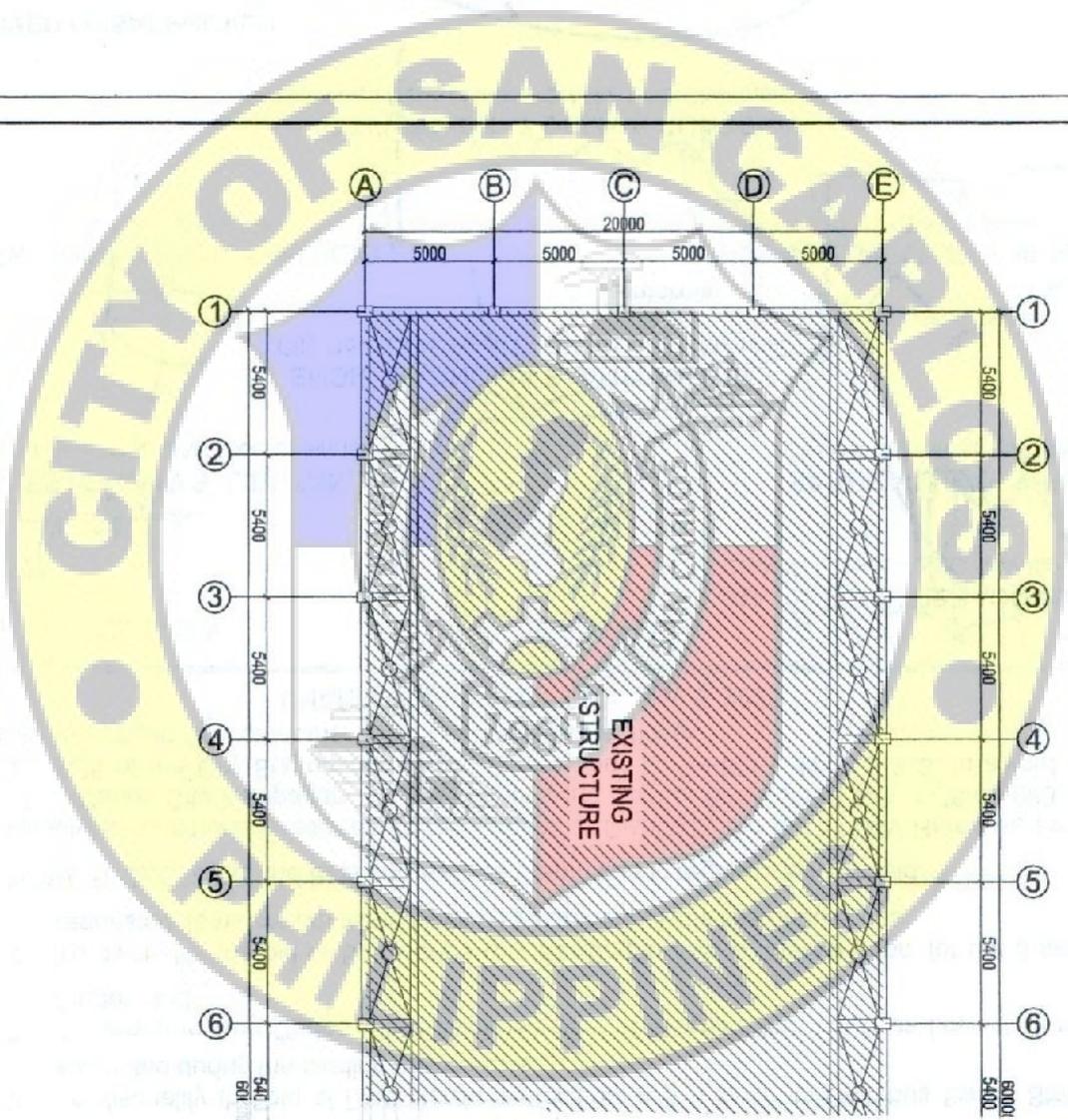
IES ENGR. REYTER B. MENDOZA (CHECK / CITY ENGINEER)	DESIGNED BY: ROL-REYDANTO T. GOSTILO (CITY ENGINEER)	SHEET NO.: S2	7
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PREPARED BY THE OFFICE OF THE:	PROJECT TITLE:
C. E. D	REINFORCEMENT OF SAN CARLOS CITY SPORTS CENTER BUILDING ROOF
CITY ENGINEERING DEPARTMENT	LOCATION: SAN CARLOS CITY
APPROVED BY:	DATE:
ENGR. MICHELLE ARMENTA P. AQUINAN	
REGISTERED PROFESSIONAL ENGINEER	

DESIGNED BY:	APPROVED BY:
ENGR. REXTER E. MENENDEZ	ENGR. REXTER E. MENENDEZ
REGISTERED PROFESSIONAL ENGINEER	REGISTERED PROFESSIONAL ENGINEER
DATE: 08/20/2024	DATE: 08/20/2024
PROJECT NO.:	SHEET NO.:
	S3
	8



1 WALL FOOTING PLAN
SCALE 1:200M



MEZZANINE LEVEL
FRAMING FLOOR PLAN



SCALE 1:200M

PREPARED BY THE OFFICE OF THE:

C. E. D.

CITY ENGINEERING DIVISION
ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL

PROJECT TITLE:

IMPROVEMENT OF SAN CARLOS CITY SPORTS
CLUBS AND RECREATION CENTER
LOCATION: SAN CARLOS CITY

DESIGNED BY:

ENGR. MICHAEL KIMBERLY T. TOROJAN
ENGINEER I

CHECKED BY:

ENGR. ...

DESIGNED APPROVAL:

ENGR. RICHARD E. MENDOZA
ENGINEER I / CITY ENGINEER

APPROVED BY:

MR. HENRY Y. ALUSTIZO
CITY ENGINEER

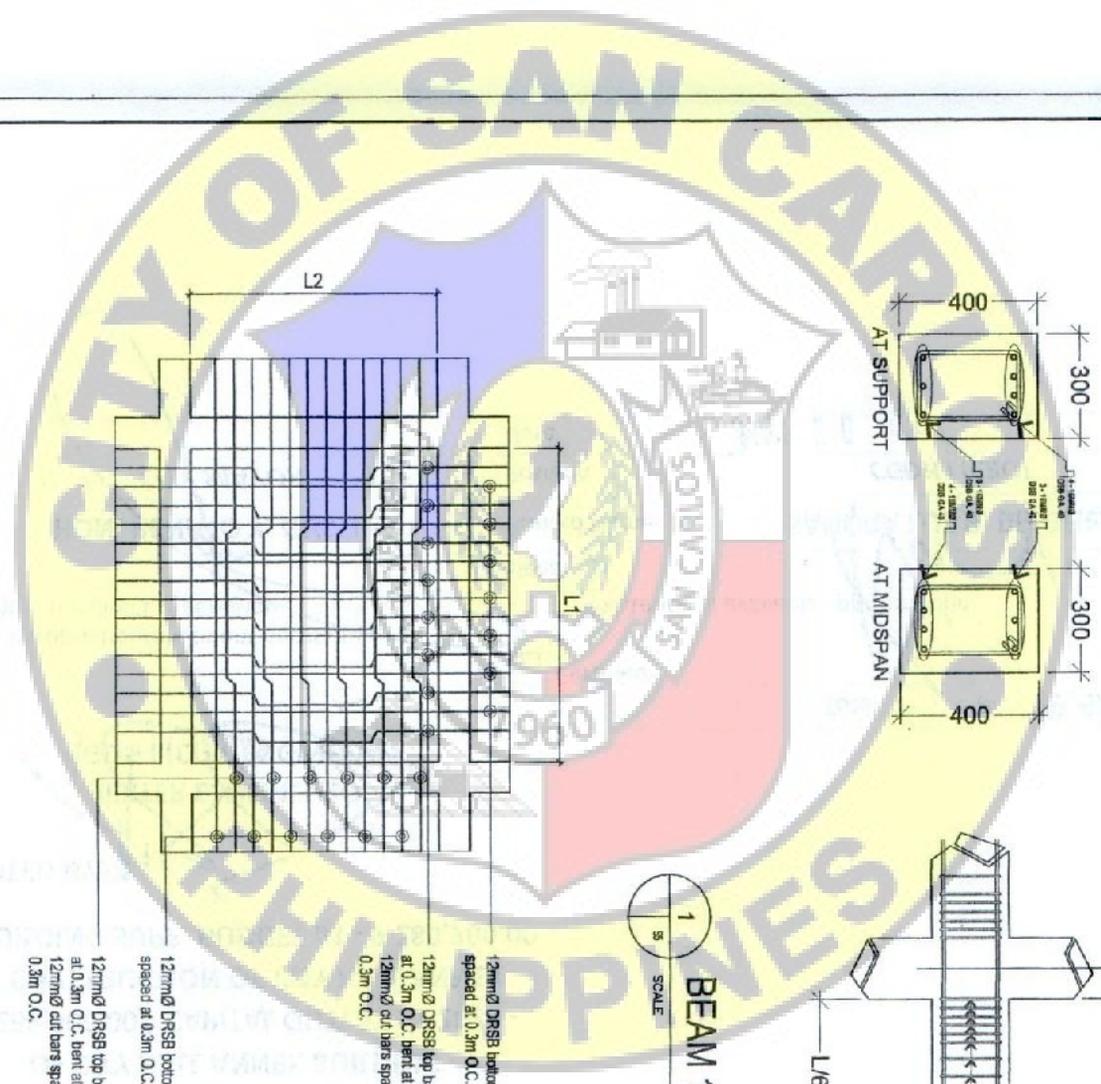
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SHEET NO.:

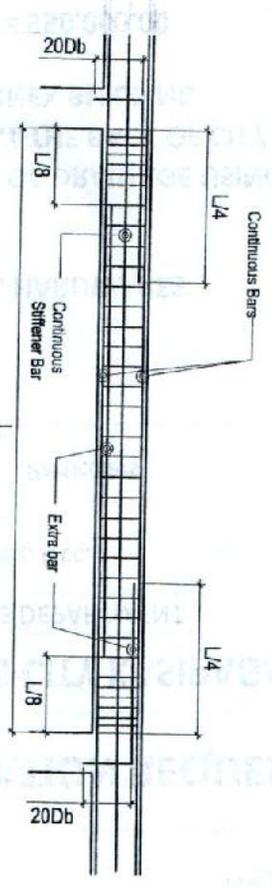
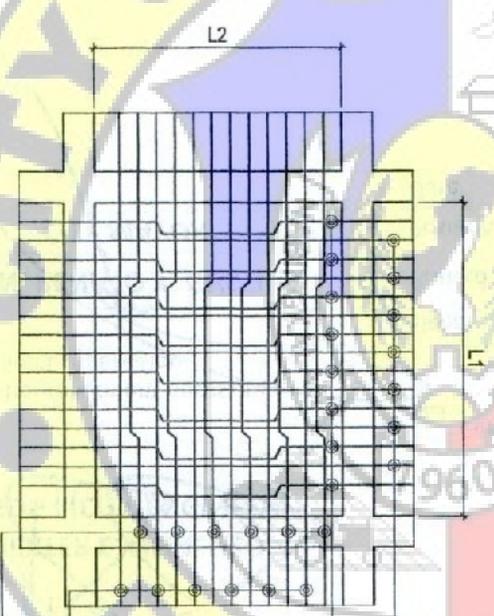
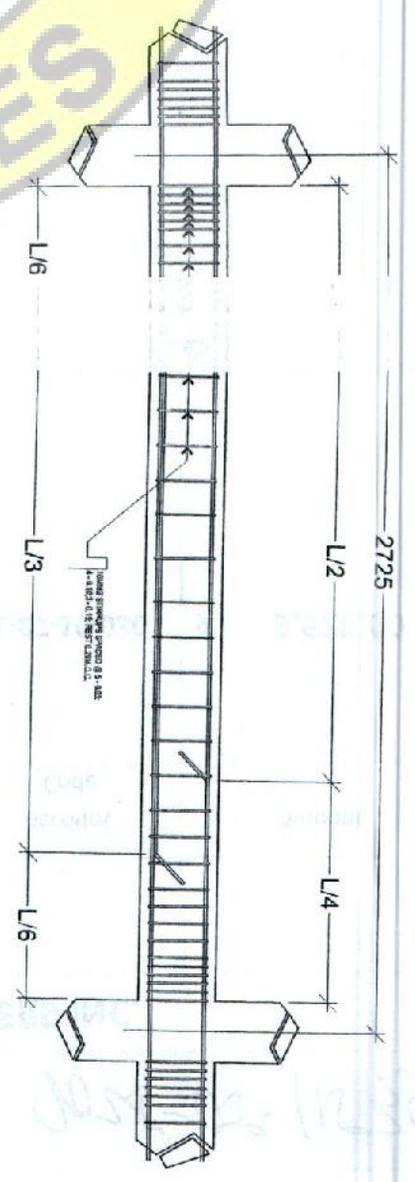
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9



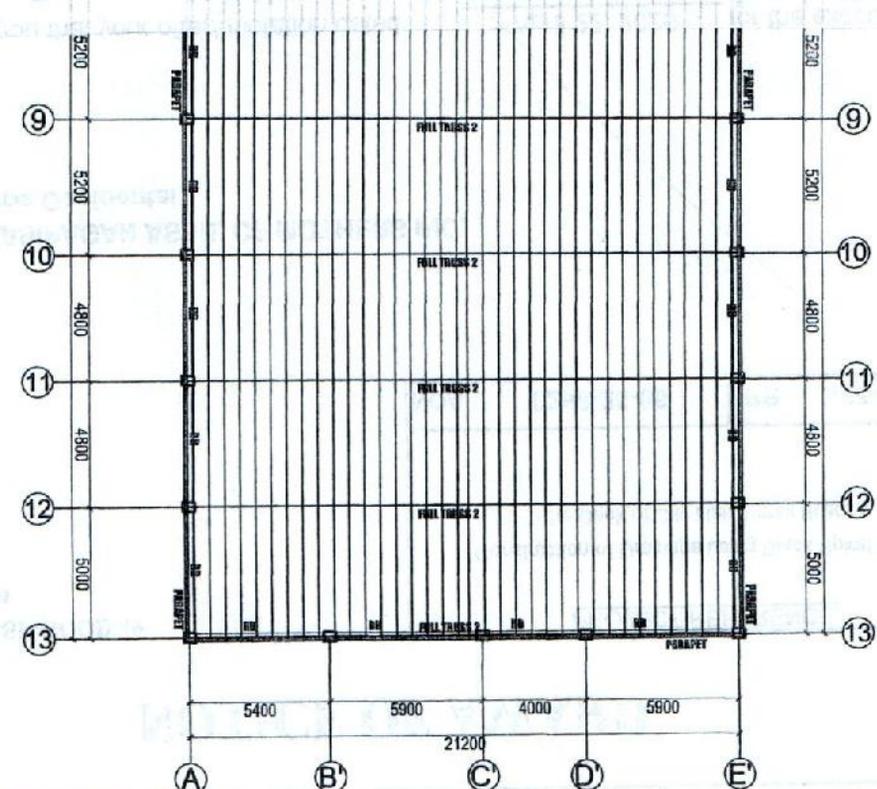
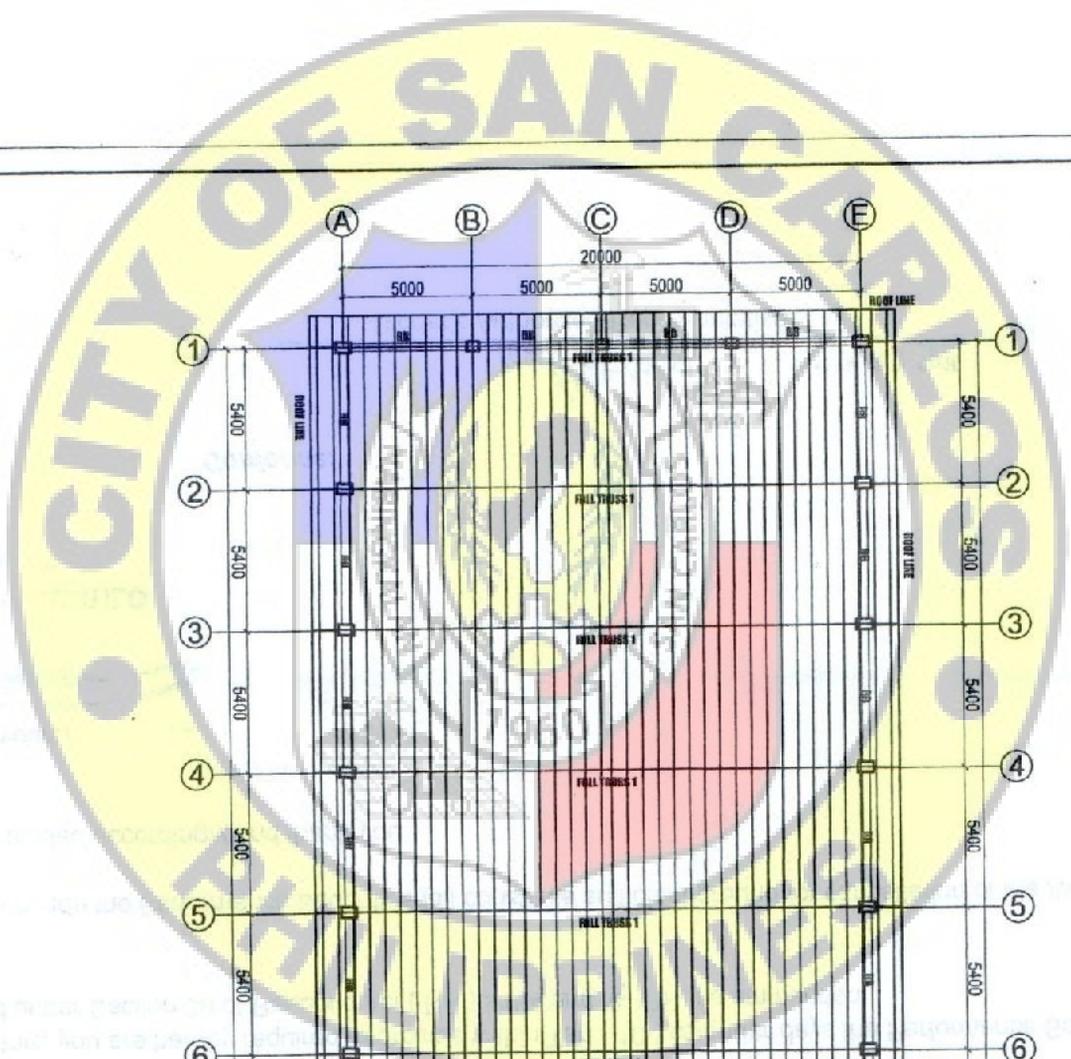
BEAM 1
SCALE 1:15M

- 12mm DRSB bottom spaced at 0.3m O.C.
- 12mm DRSB top bars at 0.3m O.C. bent at L
- 12mm cut bars spaced 0.3m O.C.
- 12mm DRSB bottom spaced at 0.3m O.C.
- 12mm DRSB top bars at 0.3m O.C. bent at L
- 12mm cut bars spaced 0.3m O.C.



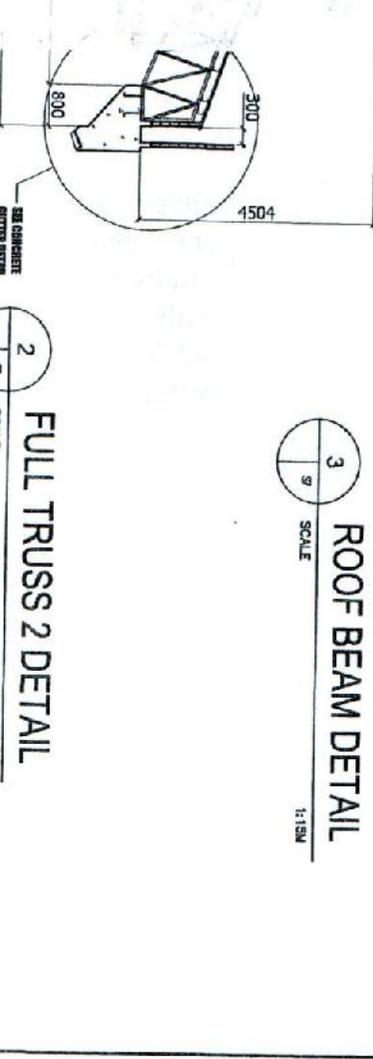
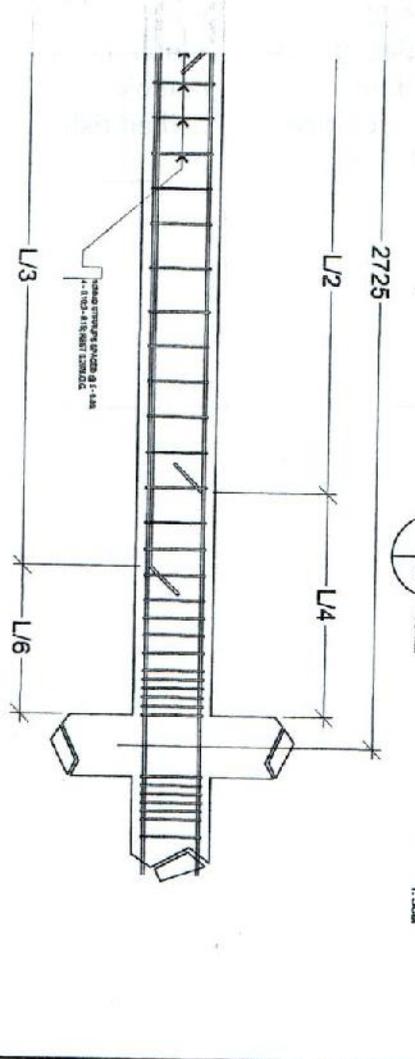
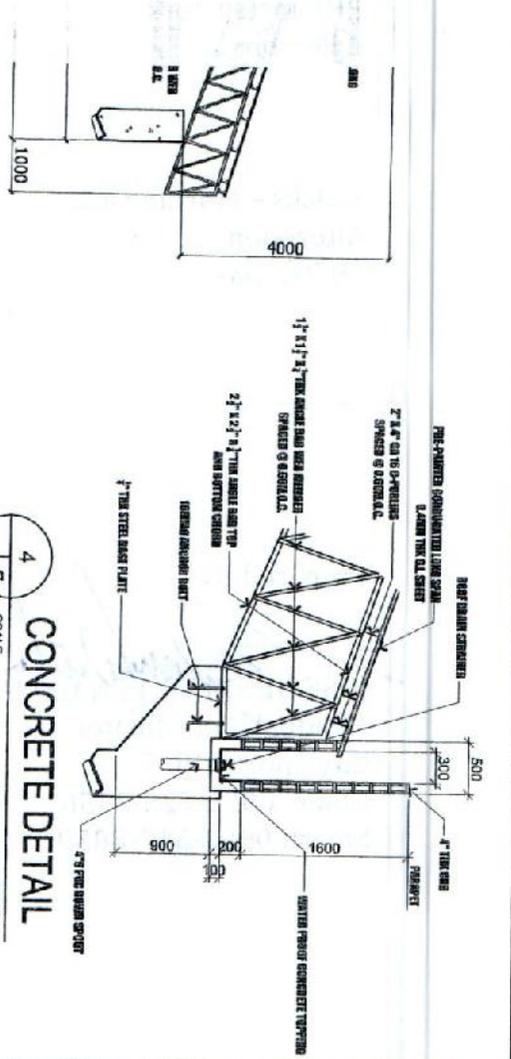
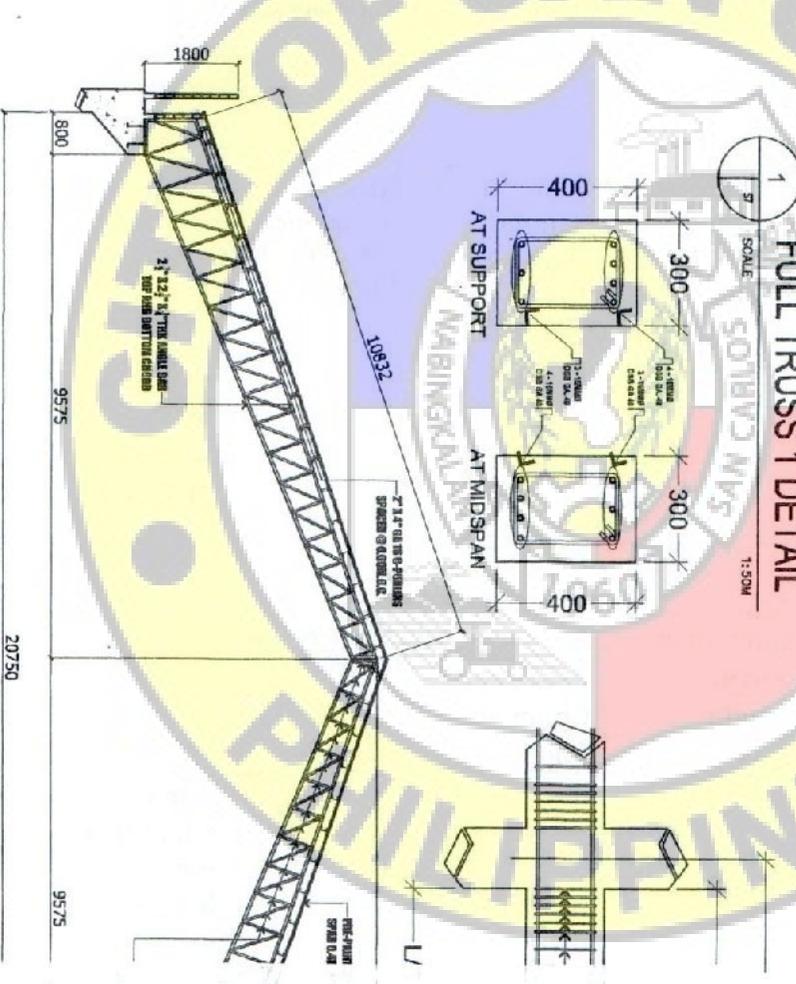
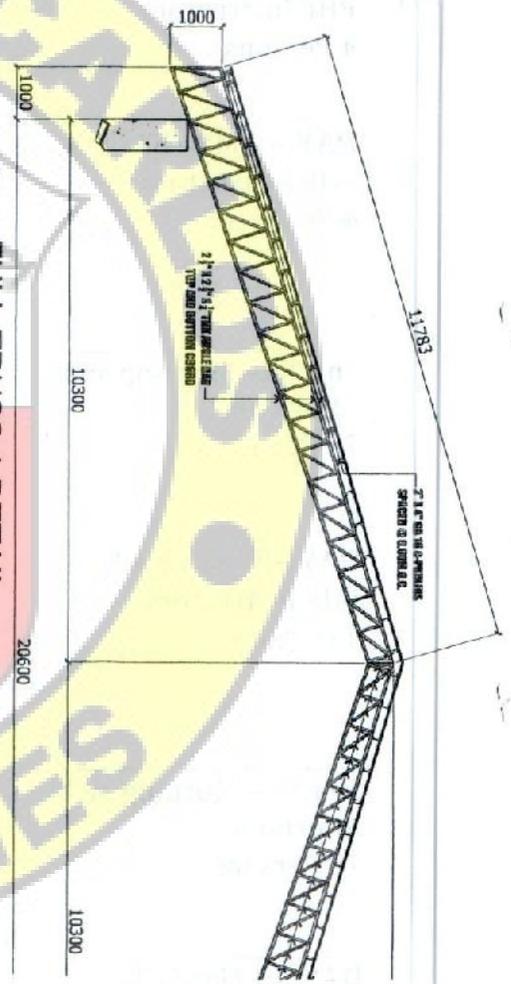
TWO WAY SLAB DETAIL
SCALE 1:50M

PREPARED BY THE OFFICE OF THE C. E. B. CITY ENGINEERING DEPARTMENT ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL	PROJECT TITLE IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER SUBMITTAL SHEET LOCATION: SAN CARLOS CITY	PREPARED BY: ENGR. MARICELLE MENDOZA P. LACUSTAN ENGINEER	CHECKED BY: ENR. RICHARD E. MENENDEZ ENGINEER	APPROVED BY: MR. RENATO P. GUSTILO CITY ENGINEER	SHEET NO. 55 OF 10
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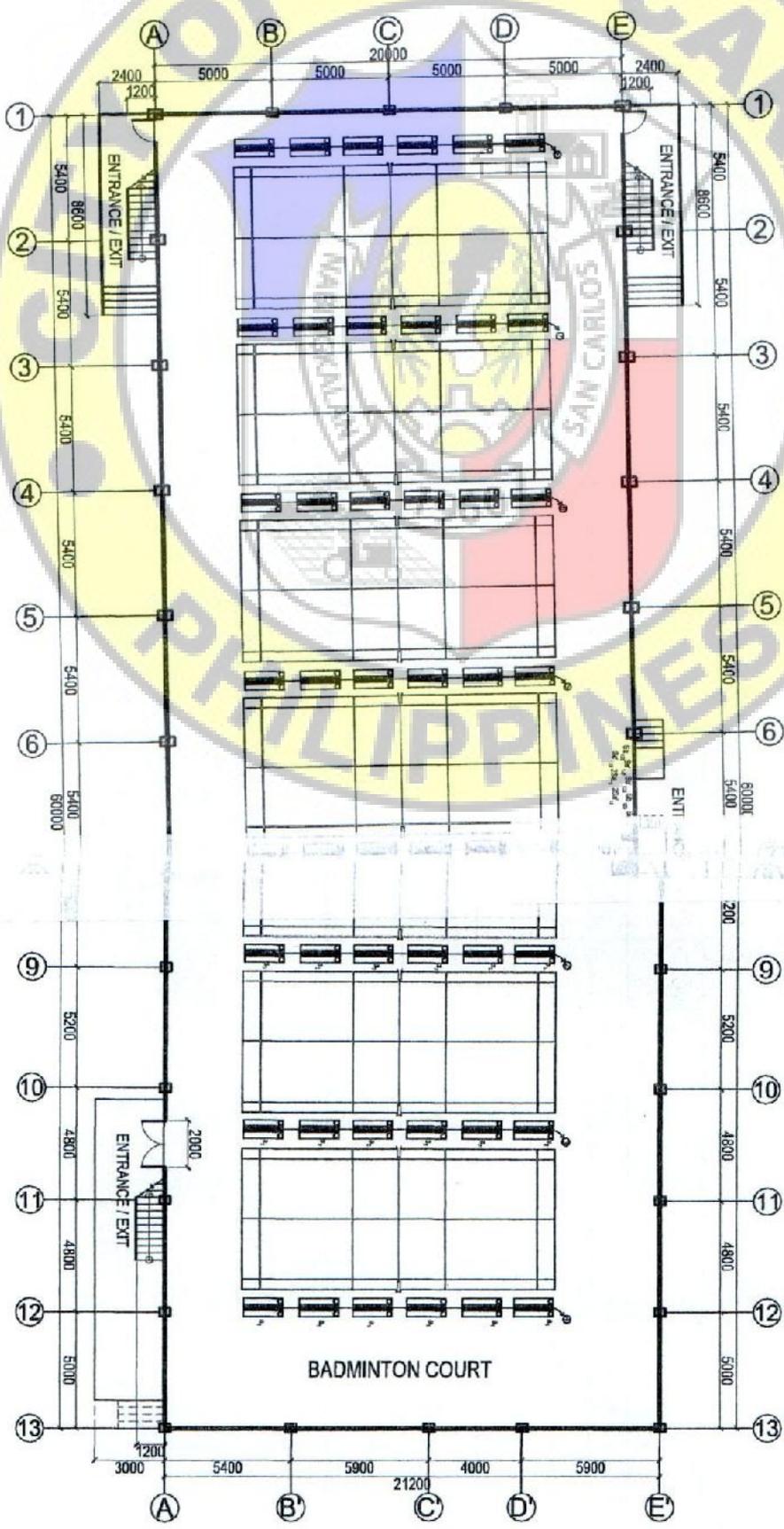
1 ROOF FRAMING PLAN
SCALE 1:200M

PREPARED IN THE OFFICE OF THE C. E. D. CITY ENGINEERING DEPARTMENT ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL	PROJECT TITLE IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BUILDING IN COURT LOCATION: SAN CARLOS CITY	PREPARED BY ENGR. RICHARDE M. MENDOZA ENGINEER I	SHEET NO. S6 11
		RECHECKED BY ENGR. RICHARDE M. MENDOZA ENGINEER I	
		APPROVED BY JOHN BENITO Y. BUSTILLO CITY ENGINEER	



PREPARED BY THE OFFICE OF THE G. E. D CITY ENGINEER'S OFFICE	PROJECT TITLE RECONSTRUCTION OF SAN CARLOS CITY SPORTS CENTER ADMINISTRATION COURT	PREPARED BY ENGR. MICHELLE KONGREY V. LIBRARIAN	STATUS DESIGNED
ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL	LOCATION: SAN CARLOS CITY	ENGINEER	DESIGNER

RECOMMENDING APPROVAL: ENGR. REXTER E. MENDOZA SPECIAL CITY ENGINEER	APPROVED BY: PAUL BENAYTO V. GUSTILLO CITY ENGINEER	DEPARTMENT NO.	SHEET NO. S7
			12

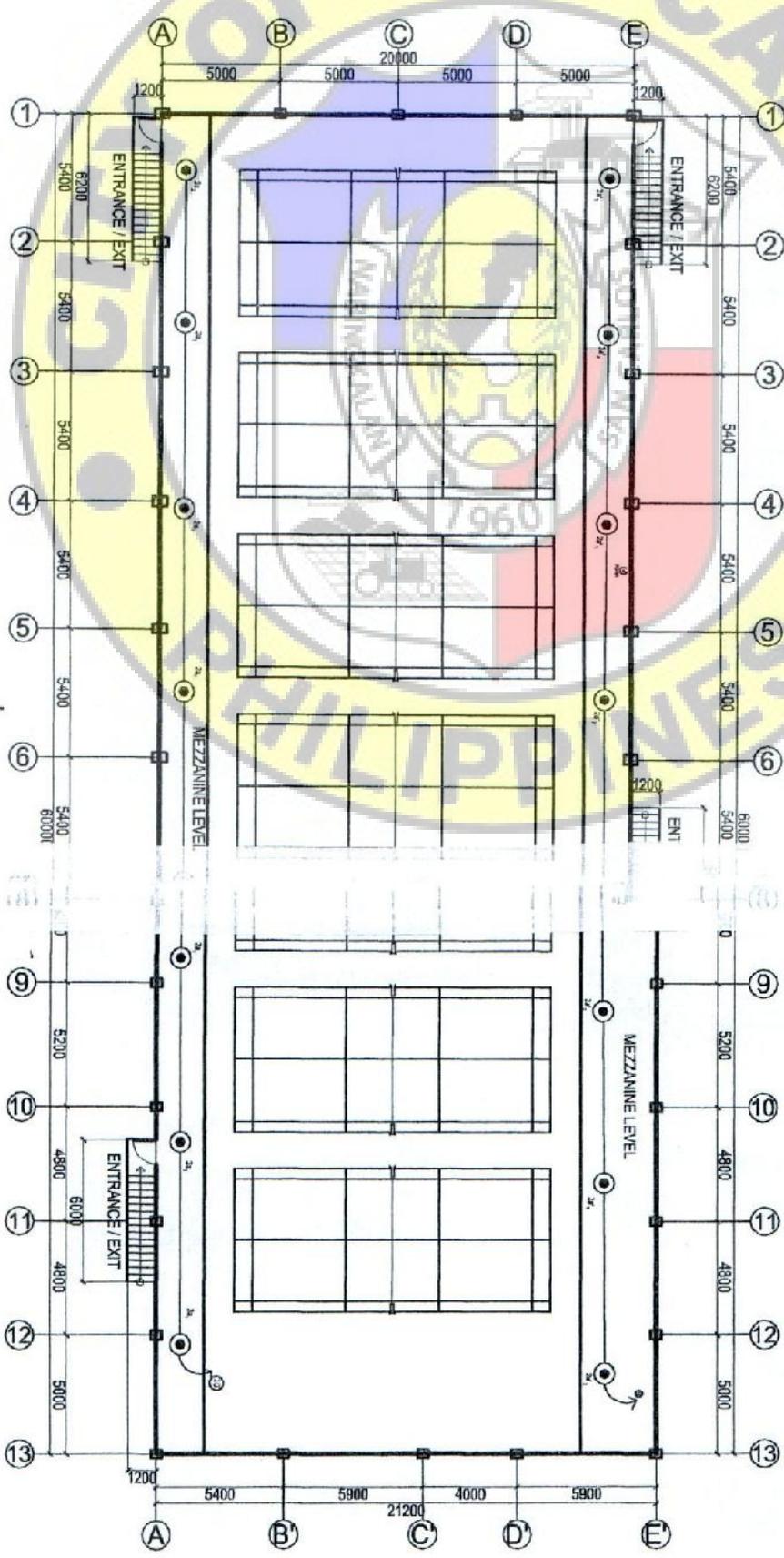


- LEGEND**
- Special lights for badminton
 - Convenience Outlet
 - Receptacle Lighting Outlets 12 Watts
 - Circuit Home run
 - Panel Board
 - Main Distribution Board
 - Pull Box
 - Riser Up & Down
 - Existing Panel Board
 - Switch and Switch Line
 - Exhaust Fan

PREPARED BY THE OFFICE OF THE: C. E. D. CITY ENGINEERING DEPARTMENT ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL		PROJECT TITLE: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT LOCATION: SAN CARLOS CITY		PREPARED BY: ENGR. PAUL SEGUNDO MERCILLANO ELECTRICAL ENGINEER ENGR. MARICHELLE RODRIGUEZ V. P. ROSARIO ENGINEER I		SIGN: EN ENGR.		REGISTERED APPROVAL: ENGR. REYTER E. NERENZA SENIOR / CITY ENGINEER		SUPERVISOR IN CHARGE: ROMANITO Y. GUSTILO CITY ENGINEER		ISSUED TO:		SHEET NO.: E1 13	
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1 LIGHTING LAYOUT PLAN
 SCALE 1:200M

PREPARED BY THE OFFICE OF THE: C. E. D. CITY ENGINEERING DEPARTMENT ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL		PROJECT TITLE: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER ADMINISTRATION QUARTERS (ADDRESS: SAN CARLOS CITY)		PREPARED BY: ENGR. PAUL SERGIO P. ORTIZANO ELECTRICAL ENGINEER (ADDRESS: SAN CARLOS CITY)		RECHECKED BY: ENGR. BENJAMIN M. MENENDEZ CHIEF / CITY ENGINEER		APPROVED BY: ENGR. GENARO Y. GUSTILLO CITY ENGINEER		SHEET NO. 12 OF 14	
---	--	---	--	---	--	---	--	--	--	---	--



ELECTRICAL GENERAL NOTES

ALL ELECTRICAL WORKS AND INSTALLATIONS HEREIN SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), RULES AND REGULATIONS OF THE LOCAL AND NATIONAL AUTHORITIES CONCERNED IN THE IMPLEMENTATION OF ELECTRICAL LAWS AND ORDINANCES AND THE LOCAL POWER UTILITY AND TELEPHONE COMPANIES.

WORKMANSHIP SHALL BE EQUAL TO THE BEST STANDARD PRACTICE RECOGNIZED AND ADOPTED FOR THIS TRADE. EXPERIENCED MEN UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER SHALL EXECUTE ALL ELECTRICAL WORKS HEREIN INCLUDED. WORKS SHALL BE NEATLY PLACED, SECURELY FASTENED AND PROPERLY FINISHED.

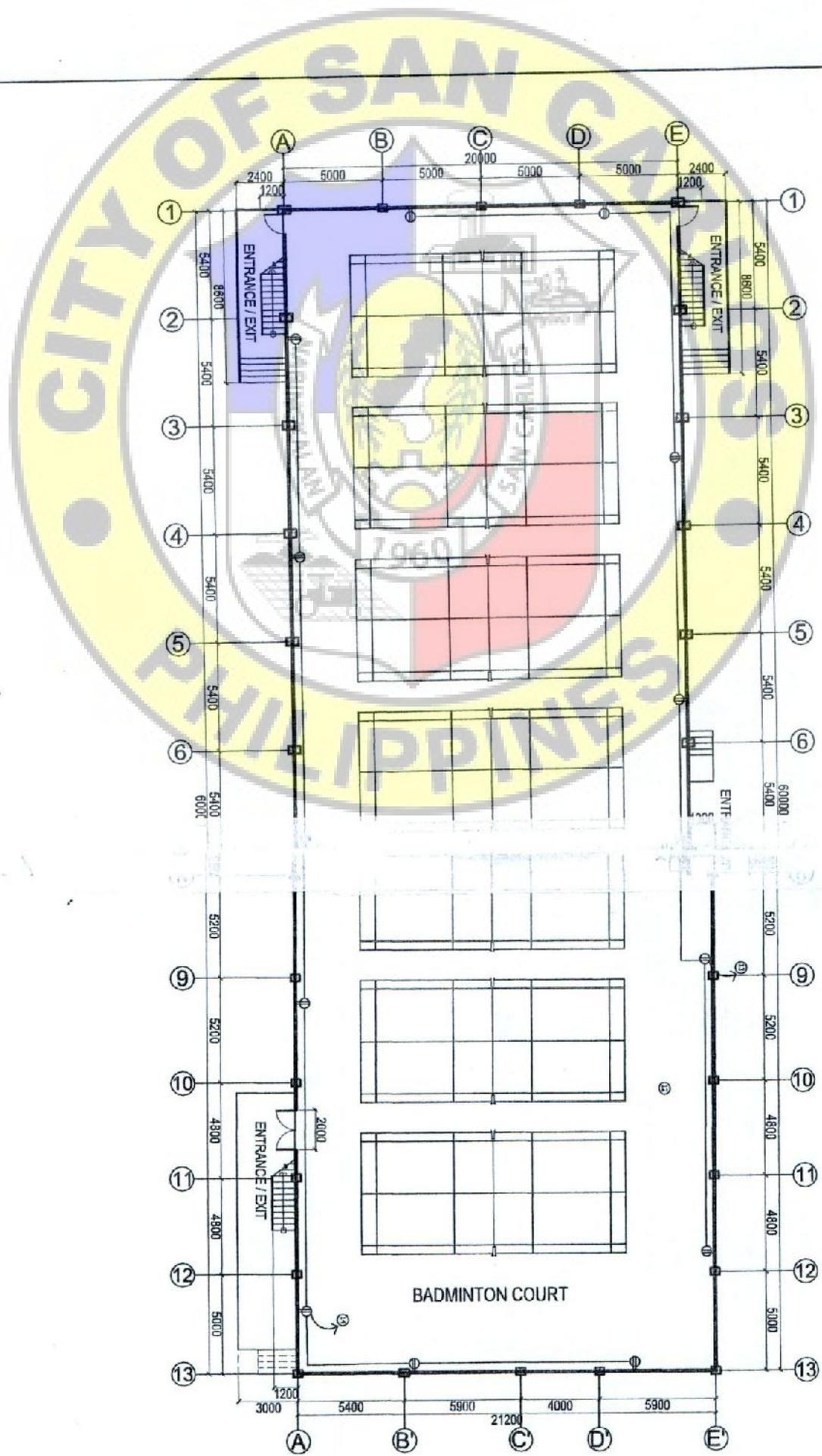
ALL MATERIALS USED SHALL BE NEW AND APPROVED TYPE FOR BOTH PURPOSE AND LOCATION INTENDED. ALL WIRES TYPE TW/TWV SHALL BE INSULATED FOR 600 VOLTS AND SHALL BE INSIDE RIGID PVC PIPES. ELECTRICAL TRADE SIZES WERE USED (A MINIMUM OF 15mm DIAMETER FOR CONDUITS AND 3.5mm sq FOR CIRCUIT RUNS). ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE AND INSIDE FACTORY STANDARD ENCLOSURES.

NO BRANCH CIRCUIT SHALL BE HAVE A LOAD OF MORE THAN 80% OF ITS RATING.

ELECTRICAL SERVICE REQUIREMENTS SHALL BE 220 VOL. 1-PHASE, 60 HERTZ.

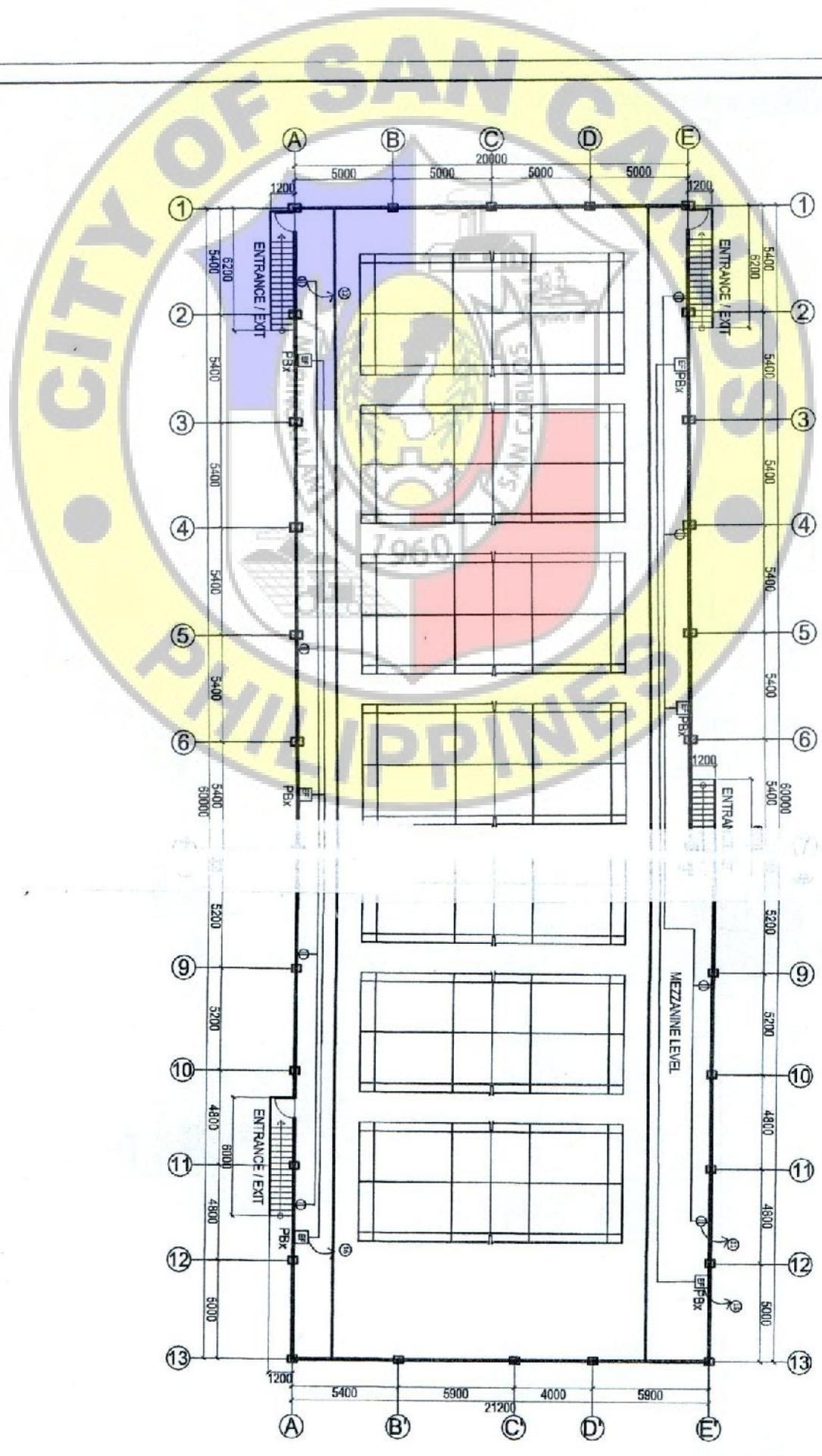
1
B
SCALE 1:2000

POWER LAYOUT PLAN



1
D
POWER LAYOUT PLAN
 SCALE 1: 200M

PREPARED BY THE OFFICE OF THE C. E. D CITY ENGINEER & ELECTRICAL ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL	PROJECT TITLE: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT LOCATION: SAN CARLOS CITY	PREPARED BY: ENGR. PAUL SEMROT-DELLANO ELECTRICAL ENGINEER ENGR. MICHELLE SEMROT-DELLANO ENGINEER I	CHECKED BY: ENR. J. M. MARIANO ENGINEER I
RECOMMENDED BY: ENGR. REXER E. MENDOZA CHIEF / CITY ENGINEER		APPROVED BY: RON. RENATO T. GUSTILLO CITY ENGINEER	
SHEET NO.: E3 15		DATE:	



1 POWER LAYOUT PLAN
SCALE 1:200M

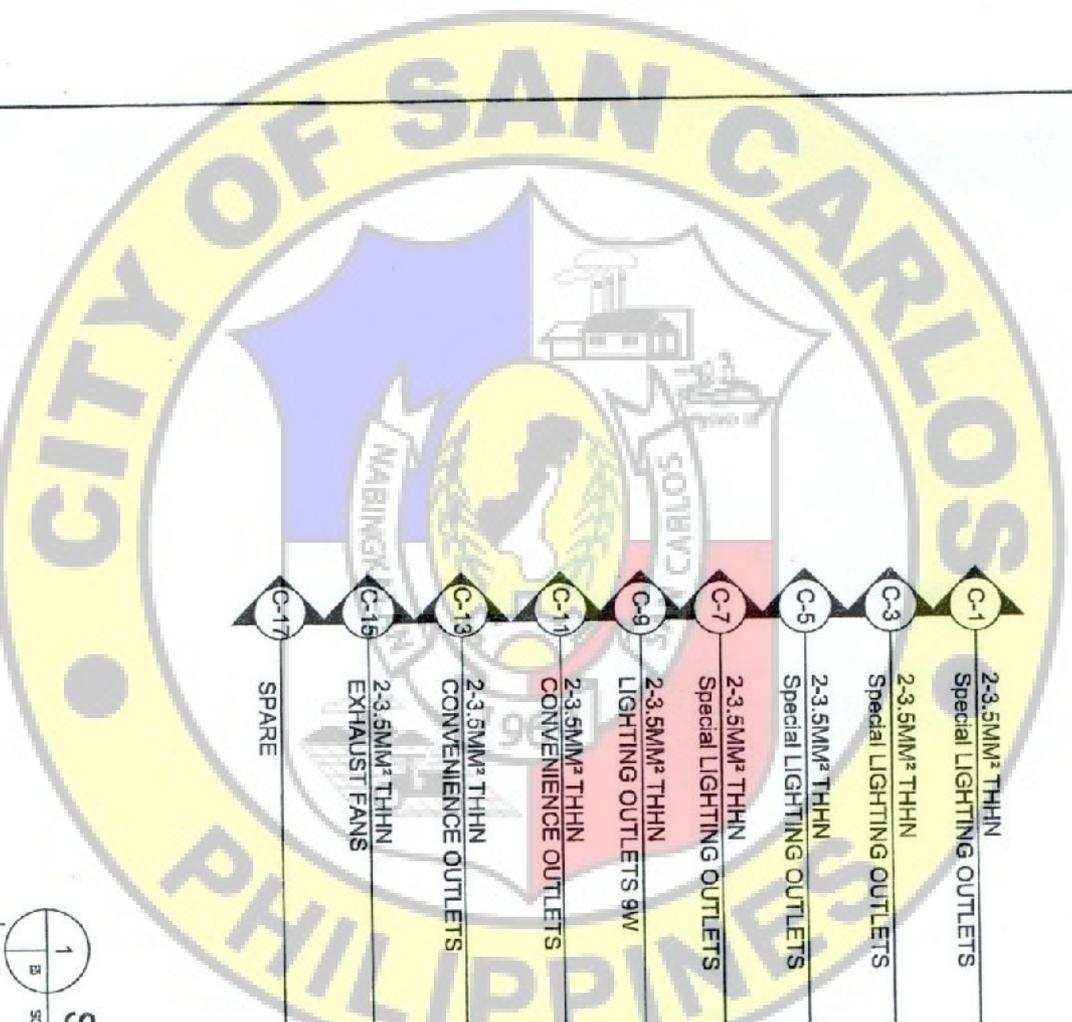
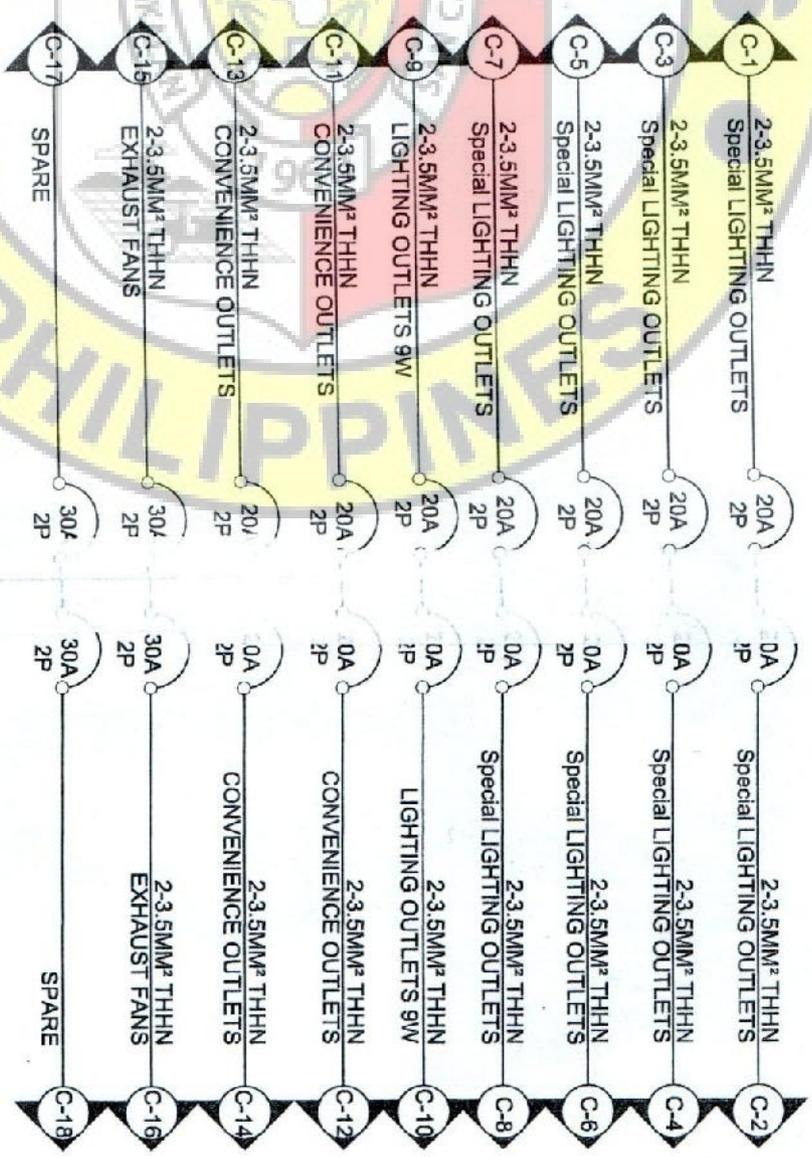
REFERRED BY THE OFFICE OF THE: C. E. D. CITY REGISTRAR GENERAL OFFICE: SAN CARLOS CITY, NEGROS OCCIDENTAL	PROJECT TITLE: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BUILDING CONORT LOCATION: SAN CARLOS CITY	PREPARED BY: ENGR. PAUL SEMON PUEBLANANO ELECTRICAL ENGINEER ENGR. MARICELLE MONTENAY P. TROSTAN ENGINEER	SHEET NO.: ENG 16
REVISION APPROVAL: ENGR. REXTER E. MENDOZA CHIEF / CITY ENGINEER	APPROVED BY: HON. RENATO Y. GUSTILO CITY MAYOR	DRAWN BY:	SHEET NO.: E4

TO THE NEAREST MDP

USE: 2 #30r

msq THHN IN 40mm DIA. PVC

1: M



SINGLE LINE DIAGRAM
SCALE: 1" = 100' NTS

PREPARED BY THE: C. E. D. CITY ENGINEERING DEPARTMENT	PROJECT TITLE: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER ADMINISTRATION COURT LOCATION: SAN CARLOS CITY	PREPARED BY: ENGR. PAUL SEMON PUESTADANO ELECTRICAL ENGINEER ENGR. MICHELLE KORNSECK P. TORILAN ENGINEER II	CHECKED BY: ENGR. J. M. MORALES ENGINEER III	REVISIONS/DATE: ENGR. WALTER E. MENDOZA CIVIL / CITY ENGINEER	APPROVED BY: HON. HENRITO Y. RUSTICO CITY MAYOR	DESIGNED BY: 	SHEET NO.: E5 17
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Proposed Expansion Of Badminton Court

PANEL LOAD SCHED

PANEL DESIGNATION: PB DOWNIN
 AREA/EDPT. SERVED:
 FEED FROM: MDP

PANEL LOAD SCHED
 MOUNTING LOCATE
 MOUNTING METH:
 FEED TY

VOLTAGE SYSTEM: 230 V
 WIRE: 1Ø 2W+G
 ENCLOSURE: Metal

CHR NO.	LOAD DESCRIPTION	SYSTEM VOLTAGE	RATINGS			LOAD DISTRIBUTION			Demand Factor	Full Load Current	% Breaker
			Volt	kW	kVA	AB	BC	CA			
1	Special Lights 200Watts (6)	230	0.25	0.31	0.31				1.4	125%	
2	Special Lights 200Watts (6)	230	0.25	0.31	0.31				1.4	125%	
3	Special Lights 200Watts (6)	230	0.25	0.31	0.31				1.4	125%	
4	Special Lights 200Watts (6)	230	0.25	0.31	0.31				1.4	125%	
5	Special Lights 200Watts (6)	230	0.25	0.31	0.31				1.4	125%	
6	Special Lights 200Watts (6)	230	0.25	0.31	0.31				1.4	125%	
7	Special Lights 200Watts (6)	230	0.25	0.31	0.31				1.4	125%	
8	Special Lights 200Watts (6)	230	0.25	0.31	0.31				1.4	125%	
9	Receptacle Lighting 9 Watts (8)	230	0.72	0.90	0.90				3.9	125%	
10	Receptacle Lighting 9 Watts (8)	230	0.72	0.90	0.90				3.9	125%	
11	Convenience Outlet	230	0.72	0.90	0.90				3.9	125%	
12	Convenience Outlet	230	0.72	0.90	0.90				3.9	125%	
13	Convenience Outlet	230	0.72	0.90	0.90				3.9	125%	
14	Convenience Outlet	230	0.72	0.90	0.90				3.9	125%	
15	1 HP Exhaust Fan (3)	230	1.08	1.35	1.35				5.9	125%	
16	1 HP Exhaust Fan (3)	230	1.08	1.35	1.35				5.9	125%	
17	Spare	230	0.50	0.63	0.63				2.7	125%	
18	Spare	230	0.50	0.63	0.63				2.7	125%	
TOTAL			10.27	12.84	12.84	0.00	0.00	0.00			

CABLE SIZE DETAIL	GROUND WIRE	CONDUIT	VOLTAGE DROP CALCULATION		
			Length (feet)	Full Load Current	% Allow.
125 AT	125 AT	20 m	35.6	1.36	2%
1 Ø 3	3Ø 2 mm ² THHN	10.1 A	35.6	1.36	2%
32 mm ² RSC	140 mm ² TW	230 V	35.6	1.36	2%
VOLTAGE DROP CALCULATION:			35.6	1.36	2%
LENGTH = 20 m			35.6	1.36	2%
R CURRENT = 10.1 A			35.6	1.36	2%
SYSTEM VOLTAGE = 230 V			35.6	1.36	2%
VOLTAGE DROP = 3.84 V			35.6	1.36	2%
ALLOWABLE %VD = 1.67%			35.6	1.36	2%



SCHEDULE OF LOADS

NTS

PREPARED BY THE OFFICE OF THE PROJECT TITLE: IMPROVEMENT OF SAN CARLOS CITY SPORTS CENTER BADMINTON COURT

CITY REGISTERED ELECTRICAL ENGINEER: G. E. D. LOCATION: SAN CARLOS CITY

DESIGNED BY: ENGR. PAUL SEMON-RODRIGUEZ, ENGR. RICHARD BERNARD, ENGR. MICHELLE FERNANDEZ, ENGR. J. TORRES

CHECKED BY: ENR

REVISIONS: ENGR. REXTER E. MENDOZA, ENGR. RICHARD BERNARD

APPROVED BY: ENR

DATE: 18

SHEET NO.: 18