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Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number 7215746
Procuring Entity CARLOS HILADO MEMORIAL STATE COLLEGE
Title Proposed Training Center (Labor and Materials) - Fermin Campus, Municipality of Enrique B. Magalona, Negros Occidental
Area of Delivery Negros Occidental

Solicitation Number:	CHMSC 20-031-1002-I	Status	Pending
Trade Agreement:	Implementing Rules and Regulations	Associated Components	8
Procurement Mode:	Public Bidding	Bid Supplements	0
Classification:	Civil Works	Document Request List	0
Category:	Construction Projects	Date Published	03/10/2020
Approved Budget for the Contract:	PHP 1,534,474.75	Last Updated / Time	02/10/2020 15:29 PM
Delivery Period:	120 Day/s	Closing Date / Time	26/10/2020 13:30 PM
Client Agency:			
Contact Person:	Ma. Kristina Goylos Medalla Head, BAC Secretariat Mabini Street, Brgy Zone 1 Talisay City Negros Occidental Philippines 6115 63-34-7120420 Ext.142 63-34-7128404 bac.sec@chmsc.edu.ph		

Description

CARLOS HILADO MEMORIAL STATE COLLEGE
BIDS AND AWARDS COMMITTEE
Talisay City, Negros Occidental
Telefax Nos. (034)712-8404

INVITATION TO BID
FOR PROPOSED TRAINING CENTER (LABOR AND MATERIALS) – FERMIN CAMPUS, MUNICIPALITY OF ENRIQUE B. MAGALONA, NEGROS OCCIDENTAL
CHMSC 20-031-1002-I

1. The Carlos Hilado Memorial State College, through the Corporate Budget for the Contract of 2020 approved by the governing Board, intends to apply the sum of ONE MILLION FIVE HUNDRED THIRTY-FOUR THOUSAND FOUR HUNDRED SEVENTY-FOUR PESOS & 75/100 (Php 1,534,474.75) ONLY being the Approved Budget for the Contract (ABC) to payments under the contract for PROPOSED TRAINING CENTER (LABOR AND MATERIALS) – FERMIN CAMPUS, MUNICIPALITY OF ENRIQUE B. MAGALONA, NEGROS OCCIDENTAL. Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The Carlos Hilado Memorial State College now invites bids for PROPOSED TRAINING CENTER (LABOR AND MATERIALS) – FERMIN CAMPUS, MUNICIPALITY OF ENRIQUE B. MAGALONA, NEGROS OCCIDENTAL pursuant to the technical specifications indicated in the Terms of Reference to be provided. Completion of the Works is required within One Hundred Twenty (120) calendar days upon receipt of Notice to Proceed. Bidders should have completed, within ten (10) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to

Bidders.

3. Bidding will be conducted through open competitive bidding procedures using the non-discretionary "pass/fail" criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act 9184, otherwise known as the "Government Procurement Reform Act".

Bidding is restricted to Filipino citizens/sole proprietorships, cooperatives, and partnerships or organizations with at least seventy-five percent (75%) interest or outstanding capital stock belonging to citizens of the Philippines.

4. Interested bidders may obtain further information from CARLOS HILADO MEMORIAL STATE COLLEGE and inspect the Bidding Documents at the address given below from 8:00 A.M. to 5:00 P.M.

The BAC Secretariat
Brgy. Zone I, Mabini St.,
Talisay City, Negros Occidental

5. A complete set of Bidding Documents may be acquired by interested bidders on October 3 - 26, 2020 (1:00P.M.) from the address below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos (Php 5,000.00) Only.

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

6. The CHMSC will hold a Pre-Bid conference on 3:00 P.M., October 13, 2020 at Bidding Room, 2/F Supply and Property Management Bldg., Brgy. Zone 1, Mabini St., Talisay City, Negros Occidental or through Zoom Meeting ID No. 797 389 7583, Meeting Password 101320, which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat at the address below on or before 1:30 P.M., October 26, 2020, all bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.

Bids may be submitted through electronic mail to bac.sec@chmsc.edu.ph provided that the bidding documents are compressed into two (2) separate archived folders (zip or rar format) and which each folder shall be labelled as "First Envelope_Name of Company_Project Reference Number" and "Second Envelope_Name of Company_Project Reference Number" and each is uniquely password-protected;

Bidders must submit the printed copies (Original, Copy 1 and Copy 2) of their bidding documents within 3 calendar days from bid opening.

Bid opening shall be on 2:00 P.M., October 26, 2020 at Bidding Room, 2/F Supply and Property Management Bldg., Brgy. Zone 1, Mabini St., Talisay City, Negros Occidental or through Zoom Meeting ID No. 797 389 7583, Meeting Password 102620. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.

8. The Carlos Hilado Memorial State College reserves the right to reject any and all bids, declare a failure of bidding, or not to award the contract at any time prior to contract award in accordance with Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

9. For further information, please refer to:

MA. KRISTINA G. MEDALLA
Head, BAC Secretariat
Carlos Hilado Memorial State College
Brgy. Zone 1, Mabini St.,
Talisay City, Negros Occidental
Telefax No. (034)712-8404

SERGIO NICOLAS C. SOBREPENA, Ph.D.TM.
BAC Chairperson

Line Items

Item No.	Product/Service Name	Description	Quantity	UOM	Budget (PHP)
1	ONE (1) LOT	Proposed Training Center (Labor and Materials) - Fermin Campus	1	Lot	1,534,474.75

Pre-bid Conference

Date	Time	Venue
13/10/2020	3:00:00 PM	Bidding Room, 2/F Supply and Property Management Bldg., Brgy. Zone 1, Mabini St., Talisay City,

Negros Occidental
or through Zoom Meeting ID No. 797 389
7583,
Meeting Password 101320

Created by Rowena De la Vida Prado

Date Created 30/09/2020

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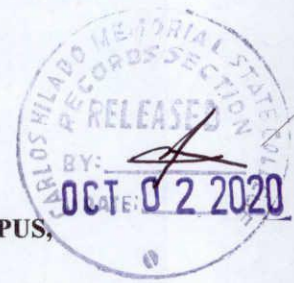
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**CARLOS HILADO MEMORIAL STATE COLLEGE
BIDS AND AWARDS COMMITTEE**

Talisay City, Negros Occidental
Telefax Nos. (034)712-8404



**INVITATION TO BID
FOR PROPOSED TRAINING CENTER (LABOR AND MATERIALS) – FERMIN CAMPUS,
MUNICIPALITY OF ENRIQUE B. MAGALONA, NEGROS OCCIDENTAL
CHMSC 20-031-1002-I**

1. The *Carlos Hilado Memorial State College*, through the *Corporate Budget for the Contract of 2020 approved by the governing Board*, intends to apply the sum of **ONE MILLION FIVE HUNDRED THIRTY-FOUR THOUSAND FOUR HUNDRED SEVENTY-FOUR PESOS & 75/100 (Php 1,534,474.75) ONLY** being the Approved Budget for the Contract (ABC) to payments under the contract for **PROPOSED TRAINING CENTER (LABOR AND MATERIALS) – FERMIN CAMPUS, MUNICIPALITY OF ENRIQUE B. MAGALONA, NEGROS OCCIDENTAL**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Carlos Hilado Memorial State College* now invites bids for **PROPOSED TRAINING CENTER (LABOR AND MATERIALS) – FERMIN CAMPUS, MUNICIPALITY OF ENRIQUE B. MAGALONA, NEGROS OCCIDENTAL** pursuant to the technical specifications indicated in the Terms of Reference to be provided. Completion of the Works is required within **One Hundred Twenty (120) calendar days upon receipt of Notice to Proceed**. Bidders should have completed, within ten (10) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using the non-discretionary “pass/fail” criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act 9184, otherwise known as the “Government Procurement Reform Act”.

Bidding is restricted to Filipino citizens/sole proprietorships, cooperatives, and partnerships or organizations with at least seventy-five percent (75%) interest or outstanding capital stock belonging to citizens of the Philippines.

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The BAC Secretariat
Brgy. Zone I, Mabini St.,
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5. A complete set of Bidding Documents may be acquired by interested bidders on **October 3 - 26, 2020 (1:00P.M.)** from the address below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Five Thousand Pesos (Php 5,000.00) Only**.

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7. Bids must be duly received by the BAC Secretariat at the address below on or before **1:30 P.M., October 26, 2020**, all bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 18**.

Bids may be submitted through electronic mail to bac.sec@chmsc.edu.ph provided that the bidding documents are compressed into two (2) separate archived folders (zip or rar format) and which each folder shall be labelled as “First Envelope_Name of Company_Project Reference Number” and “Second Envelope_Name of Company_Project Reference Number” and each is uniquely password-protected;

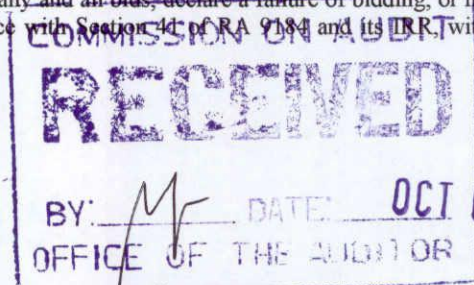
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9. For further information, please refer to:

MA. KRISTINA G. MEDALLA
Head, BAC Secretariat
Carlos Hilado Memorial State College
Brgy. Zone 1, Mabini St.,
Talisay City, Negros Occidental
Telefax No. (034)712-8404



[Signature]
SERGIO NICOLAS C. SOBREPENA, Ph.D. TM.
BAC Chairperson

Section III. Bid Data Sheet

Notes on the Bid Data Sheet

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB included in Section II, and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, the applicable rules regarding bid price and currency, and the bid evaluation criteria that will apply to the Bids. In preparing this Section, the following aspects should be checked:

- (a) Information that specifies and complements provisions of Section II. Instructions to Bidders must be incorporated.
- (b) Amendments and/or supplements, if any, to provisions of Section II. Instructions to Bidders as necessitated by the circumstances of the specific procurement, must also be incorporated.

For foreign-assisted projects, the Bid Data Sheet to be used is provided in Section X- Foreign-Assisted Projects.

Bid Data Sheet

ITB Clause	
1.1	<p>The Procuring Entity is CARLOS HILADO MEMORIAL STATE COLLEGE.</p> <p>The name of the Contract is PROPOSED TRAINING CENTER – FERMIN CAMPUS, MUNICIPALITY OF ENRIQUE B. MAGALONA, NEGROS OCCIDENTAL.</p> <p>The identification number of the Contract is: <i>7215746/CHMSC 20-031-1002-I</i></p>
2	<p>The Funding Source is:</p> <p>The Government of the Philippines (GoP) through the 2020 Corporate Budget of the College approved by the governing Board, in the amount of ONE MILLION FIVE HUNDRED THIRTY-FOUR THOUSAND FOUR HUNDRED SEVENTY-FOUR PESOS & 75/100 (Php 1,534,474.75) ONLY.</p> <p>The name of the Project is: PROPOSED TRAINING CENTER – FERMIN CAMPUS, MUNICIPALITY OF ENRIQUE B. MAGALONA, NEGROS OCCIDENTAL.</p>
3.1	No further instructions.
5.1	No further instructions.
5.2	Bidding is restricted to eligible bidders as defined in ITB Clause 5.1.
5.4 (a)	No further instructions.
5.4(b)	For this purpose, similar contracts shall refer to Building (vertical building) and completed within the period stated in the Invitation to Bid.
8.1	Sub-contracting is not allowed.
8.2	Not applicable.
9.1	<p>The Procuring Entity will hold a pre-bid conference for this Project on:</p> <p>DATE: OCTOBER 13, 2020 TIME: 3:00 P.M. VENUE: Bidding Room, 2/F Supply and Property Management Bldg., Brgy. Zone 1, Mabini St., Talisay City, Negros Occidental or through Zoom Meeting ID No. 797 389 7583, Meeting Password 081320</p>
10.1	<p>The Procuring Entity's address is:</p> <p>CARLOS HILADO MEMORIAL STATE COLLEGE Brgy. Zone 1, Mabini St., Talisay City, Negros Occidental</p>

	Tel. No. (034) 712-8404 bac.sec@chmsc.edu.ph																																				
10.4	No further instructions.																																				
12.1	No further instructions.																																				
12.1 (a)(iii)	No further instructions.																																				
12.1(b)(ii.2)	The minimum work experience requirements for Design key personnel are the following: <table border="1" data-bbox="418 616 1404 878"> <thead> <tr> <th>Key Personnel</th> <th>General Experience</th> <th>Relevant Experience (years)</th> </tr> </thead> <tbody> <tr> <td>1. Project Engineer</td> <td>Registered Civil Engineer</td> <td>3</td> </tr> <tr> <td>2. Foreman</td> <td>High School</td> <td>3</td> </tr> <tr> <td>3. Construction Safety and Health Personnel</td> <td>College Graduate</td> <td>3</td> </tr> </tbody> </table>	Key Personnel	General Experience	Relevant Experience (years)	1. Project Engineer	Registered Civil Engineer	3	2. Foreman	High School	3	3. Construction Safety and Health Personnel	College Graduate	3																								
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12.1(b)(iii.3)	The minimum major equipment requirements are the following: <table border="1" data-bbox="418 974 1404 1422"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Capacity</u></th> <th><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td>1. Backhoe</td> <td>0.80 cu.m.</td> <td>1</td> </tr> <tr> <td>2. Dump Truck</td> <td>10 cu.m.</td> <td>2</td> </tr> <tr> <td>3. Walk – Behind</td> <td></td> <td>1</td> </tr> <tr> <td>4. One – Bagger Mixer</td> <td></td> <td>1</td> </tr> <tr> <td>5. Water Pump</td> <td></td> <td>2</td> </tr> <tr> <td>6. Cutting Outfit</td> <td></td> <td>2</td> </tr> <tr> <td>7. Concrete Vibrator</td> <td></td> <td>2</td> </tr> <tr> <td>8. Bar Bender</td> <td></td> <td>2</td> </tr> <tr> <td>9. Bar Cutter</td> <td></td> <td>1</td> </tr> <tr> <td>10. Welding Machine</td> <td></td> <td>1</td> </tr> <tr> <td>11. Service Vehicle</td> <td></td> <td>1</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	1. Backhoe	0.80 cu.m.	1	2. Dump Truck	10 cu.m.	2	3. Walk – Behind		1	4. One – Bagger Mixer		1	5. Water Pump		2	6. Cutting Outfit		2	7. Concrete Vibrator		2	8. Bar Bender		2	9. Bar Cutter		1	10. Welding Machine		1	11. Service Vehicle		1
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13.1	The Bidder shall: <ol style="list-style-type: none"> 1. Fill in the prices for all items of the works described in the Bill of Quantities. 2. Prepare the Detailed Unit Price Analysis (DUPA) to cover all the items in the works which upon the judgement of the Design/Build Contractor are necessary for the completion of the scope of works defined by the Drawings and Technical Specifications Part I and II. 3. The Bidder must ensure that the total price included the Bill of Quantities prescribed in Clause 15.2.1 shall not be more than the allowable Approved Budget for the Contract (ABC). In the event that the said total calculated cost on the Summary of Bids shall be more than the ABC, the bid shall be automatically rejected. 																																				
13.1(b)	This shall include all of the following documents: <ol style="list-style-type: none"> 1) Bid prices in the Bill of Quantities; 2) Detailed estimates, including a summary sheet indicating the unit 																																				

	<p>used in coming up with the Bid; and</p> <p>3) Cash flow by quarter or payment schedule.</p>
13.2	<p>The Approved Budget for the Contract (ABC) is ONE MILLION FIVE HUNDRED THIRTY-FOUR THOUSAND FOUR HUNDRED SEVENTY-FOUR PESOS & 75/100 (Php 1,534,474.75) ONLY.</p> <p>Any bid with a financial component exceeding this amount shall not be accepted.</p>
14.2	No further instructions.
15.4	No further instructions.
16.1	The bid prices shall be quoted in Philippine Pesos.
16.3	No further instructions.
17.1	Bids will be valid until February 23, 2021 (120 calendar days upon the date of bid opening).
18.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <ol style="list-style-type: none"> 1. The amount of not less than Php 30,689.50 (2% of ABC), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; 2. The amount of not less than Php 76,723.74 (5% of ABC) if bid security is in Surety Bond.
18.2	The bid security shall be valid until February 23, 2021 (120 calendar days upon the date of bid opening).
20.3	Each Bidder shall submit one (1) original and two (2) copies of the first and second components of its bid. Hard Copy and Soft Copy in PDF Format of the same documents.
21	<p>The address for submission of bids is:</p> <p>The Bids and Awards Committee Carlos Hilado Memorial State College Brgy. Zone 1, Mabini St. Talisay City, Negros Occidental</p> <p>The deadline for submission of bids is:</p> <p>DATE: OCTOBER 26, 2020 TIME: 1:30 P.M.</p>
24.1	<p>The place of bid opening is:</p> <p>The Bids and Awards Committee Carlos Hilado Memorial State College Brgy. Zone 1, Mabini St. Talisay City, Negros Occidental</p>

	<p>The date and time of bid opening is:</p> <p>DATE: OCTOBER 26, 2020 TIME: 2:00 P.M.</p>
24.2	No further instructions.
24.3	No further instructions.
27.3	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
27.4	No further instructions.
28.2	<p>Bidders have the option to submit manually filed tax returns or tax returns filed through the Electronic Filing and Payments System.</p> <p><i>Note: The latest income and business tax returns are those within the last six (6) months preceding the date of bid submission.</i></p>
31.4(f)	<p>Additional contract documents relevant to the Project:</p> <ol style="list-style-type: none"> 1) Construction Schedule/GANTT Chart (MS Project Format) & S-curve 2) Manpower Schedule 3) Construction Methods 4) Equipment Utilization Schedule 5) Construction Safety and Health Program (approved by the DOLE) 6) PERT/CPM 7) Statement of Cash Flow & Payment Schedule 8) Soft Copy of all submitted documents in PDF File (submit in CD) 9) Organizational Chart

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the Section III. Bid Data Sheet, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC.

The provisions of this Section complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Works procured. In preparing this Section, the following aspects should be checked:

- (a) Information that complements provisions of Section IV. General Conditions of Contract must be incorporated.
- (b) Amendments and/or supplements to provisions of Section IV. General Conditions of Contract, as necessitated by the circumstances of the specific project, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of Section IV. General Conditions of Contract should be incorporated herein.

For foreign-assisted projects, the Special Conditions of Contract to be used is provided in Section X-Foreign-Assisted Projects.

Special Conditions of Contract

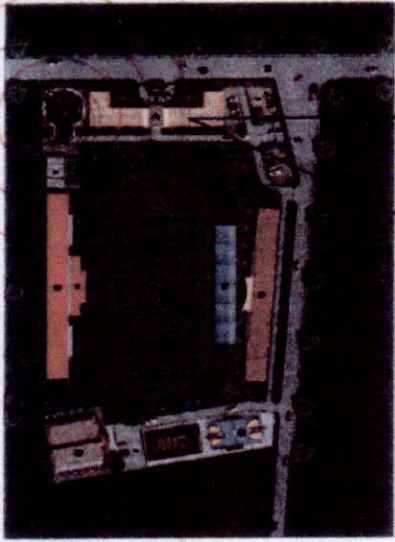
GCC Clause	
1.17	<p>The Intended Completion Date is</p> <p>120 calendar days upon receipt of the Notice to Proceed</p> <p><i>NOTE: The contract duration shall be reckoned from the start date and not from contract effectivity date.</i></p>
1.22	<p>The Procuring Entity is</p> <p>CARLOS HILADO MEMORIAL STATE COLLEGE BRGY. ZONE 1, MABINI STREET TALISAY CITY, NEGROS OCCIDENTAL</p>
1.23	<p>The Procuring Entity's Representative is</p> <p>SERGIO NICOLAS C. SOBREPENÑA BAC CHAIRPERSON CARLOS HILADO MEMORIAL STATE COLLEGE BRGY. ZONE 1, MABINI STREET TALISAY CITY, NEGROS OCCIDENTAL</p>

evaluated and approved by the Procuring Entity through its duly

8.1	No further instructions.
10	The site investigation reports are: 1. Soil Investigation Report
12.3	No further instructions.
12.5	In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures: Fifteen (15) years.
13	No additional provisions.
18.3(h)(i)	No further instructions.
21.2	The Arbiter is the Court with appropriate jurisdiction to carry out alternative dispute resolution proceedings to be resorted to only upon exhaustion of remedies under the procurement manuals, rules and regulations.
29.1	No dayworks are applicable to the contract.
31.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within fifteen (15) days of delivery of the <i>Notice of Award</i>
31.3	The period of Program of Work updates is every fifteen (15) days. The amount to be withheld for late submission of an updated Program of Work is FIFTEEN THOUSAND PESOS (Php15,000.00) only. Other relevant rules and regulations as well as communication protocol shall be discussed during the pre-bid conference and shall form part of the contract. Copy of which given to the contractor on the date for the conduct of the pre-construction conference.
34.3	The Funding Source is the Government of the Philippines.
39.1	The amount of the advance payment is fifteen (15%) percent of the Contract Price, representing mobilization fund. The full mobilization fund shall be recouped from the regular billing of the contractor up to and until 50% of the contract amount are paid to the contractor.
40.1	No further instructions.
51.1	The date by which operating and maintenance manuals are required is during the commissioning of each of the equipment to be installed by the contractor. The date by which "as built" drawings are required is will be before the processing of the occupancy permit or fifteen (15) calendar days from

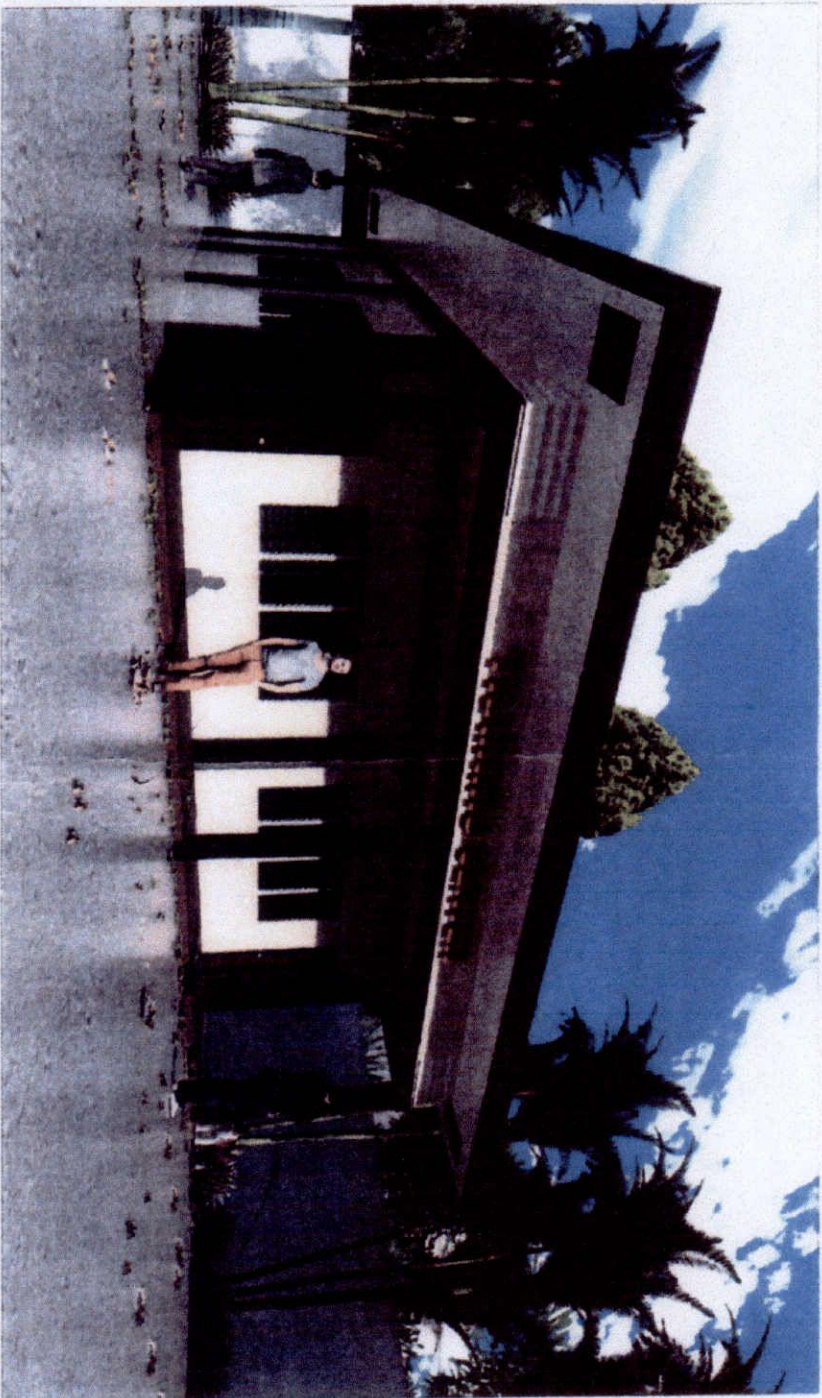
	the final handing over whichever comes earlier.
51.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is TWENTY-FIVE THOUSAND PESOS (Php25,000.00) ONLY for each requirement.

THE SITE



SITE DEVELOPMENT PLAN

SCALE
NOTS



PERSPECTIVE DRAWING

SCALE
NOTS



REPUBLIC OF THE PHILIPPINES
CABARON MENDOZA MEMORIAL STATE COLLEGE
OFFICE OF PHYSICAL DEVELOPMENT &
MANAGEMENT OFFICE

PROJECT TITLE

PROPOSED TRAINING CENTER AT
FERMIN CAMPUS, E B MANGALONA

LOCATION: CHMST. FERMIN CAMPUS

PREPARED BY

[Signature]
MIKATI B. RONDALELO
COLLEGE DRAFTSMAN

CHECKED BY

[Signature]
ALFREDO A. LACSON, UAP
COLLEGE ARCHITECT

RECOMMENDING APPROVAL

[Signature]
ENGR. JUN JUN J. MARQUEZ
PPDM DIRECTOR

APPROVED BY

[Signature]
MRS. ROSALINDA S. TUVILLA, LLB
VP for ADMINISTRATION & FINANCE

SHEET NO.

[Signature]
REYNALDO A. SOROLLAN, PH.D.
SFC PRESIDENT II



REPUBLIC OF THE PHILIPPINES
CARLOS HILADO MEMORIAL STATE COLLEGE
OFFICE OF PHYSICAL DEVELOPMENT &
MANAGEMENT OFFICE

PROJECT TITLE
PROPOSED TRAINING CENTER AT
FERMIN CAMPUS, E. B. MAGALONA
LOCATION: CHMSC - FERMIN CAMPUS

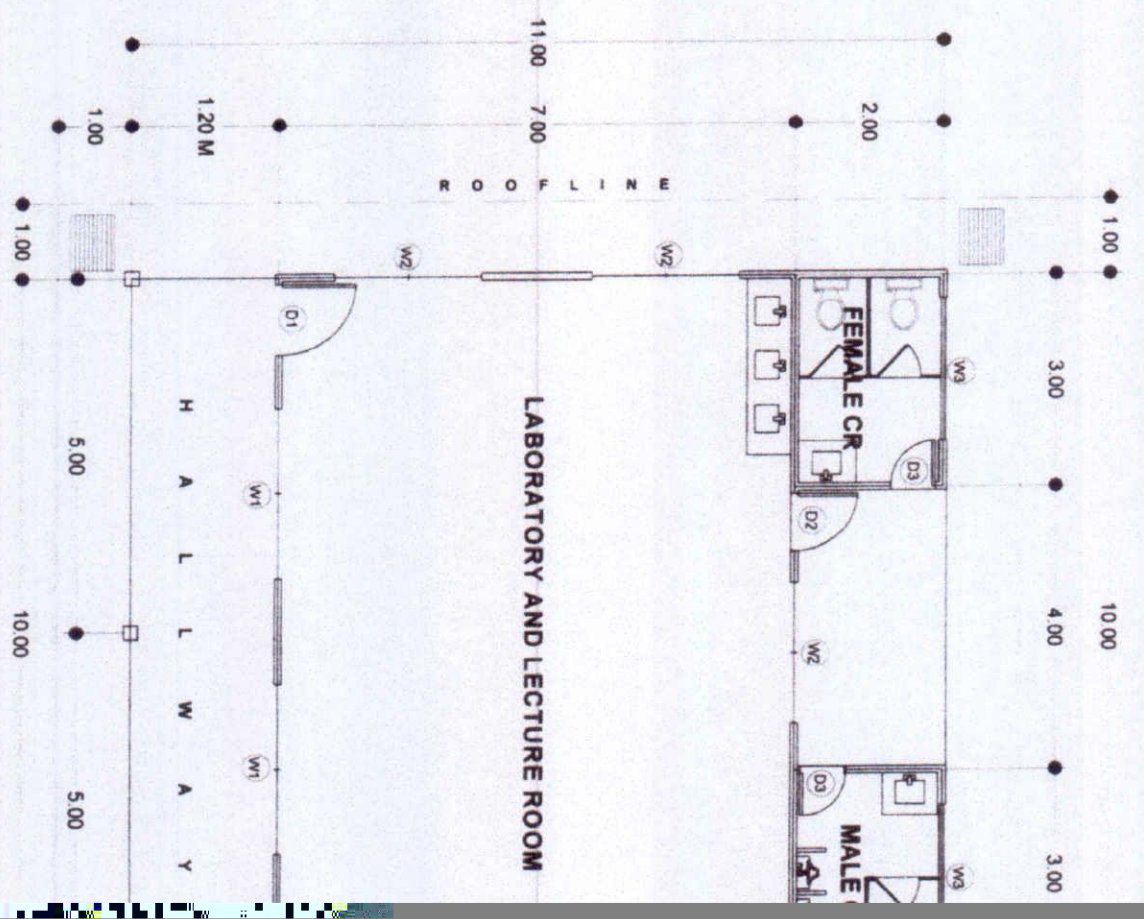
PREPARED BY

Nikante Romodillo
NIKANTE ROMODILLO
COLLEGE DRAFTSMAN

CHECKED BY

Engr. Jun Jun J. Marquez
ENGR. JUN JUN J. MARQUEZ
PPDM DIRECTOR

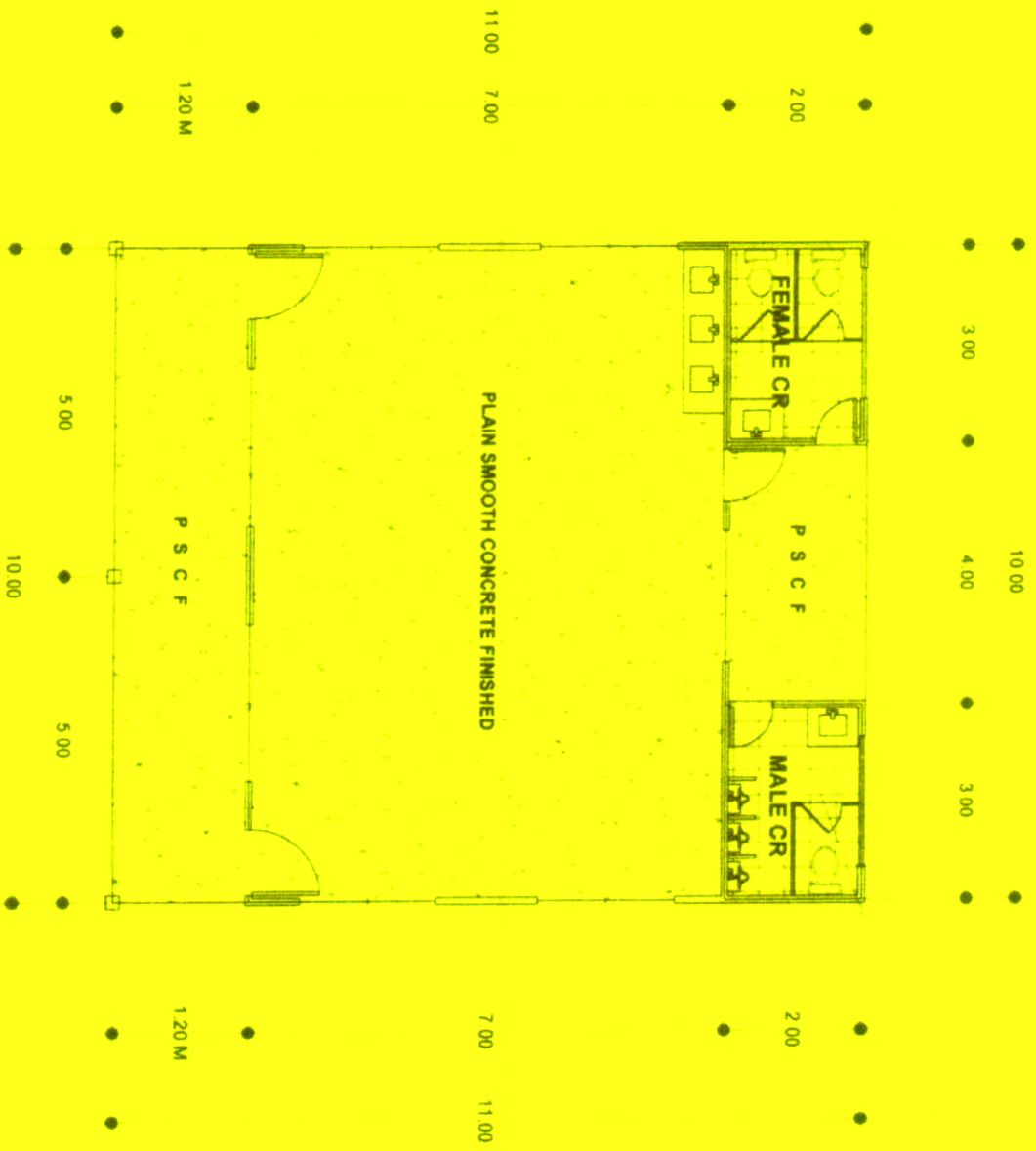
RES



GROUND FLOOR PLAN
SCALE 1:150

1M HEIGHT - 0.30 X 0.30
GLAZED WALL TILES

0.30 X 0.30 NON-SKID
FLOOR TILES



FLOOR FINISHES PLAN

SCALE 1:150M



REPUBLIC OF THE PHILIPPINES
CARLOS MALABON NATIONAL STATE COLLEGE
OFFICE OF PHYSICAL DEVELOPMENT &
MANAGEMENT OFFICE

PROJECT TITLE
PROPOSED TRAINING CENTER AT
FERMIN CAMPUS, E. B. MAGALONA
LOCATION - CMSC, FERMIN CAMPUS

PREPARED BY

CHECKED BY

RECOMMENDING APPROVAL

APPROVED BY

SHEET NO.

[Signature]
MARK B. RONQUILLO
COLLEGE DEAN/DMAN

[Signature]
ENGR. DON JUN J. MARQUEZ
PPDM DIRECTOR

[Signature]
MRS. ROSALINDA S. TUVILLA, LLB
VP for ADMINISTRATION & FINANCE

[Signature]
RENATO W. SOLLOLA, PH.D.
SIC PRESIDENT II



REPUBLIC OF THE PHILIPPINES
CARLOS HILADO MEMORIAL STATE COLLEGE
OFFICE OF PHYSICAL DEVELOPMENT &
MANAGEMENT SERVICES

PROJECT TITLE

PROPOSED TRAINING CENTER AT
FERMIN CAMPUS, E. B. MAGALONA

LOCATION CHASAC, FERMIN CAMPUS

PREPARED BY

HYNRI E. BONDOLID
COLLEGE DRAFTSMAN

CHECKED BY

ENR JUN JIM MARIQUEZ
PPDM DIRECTOR

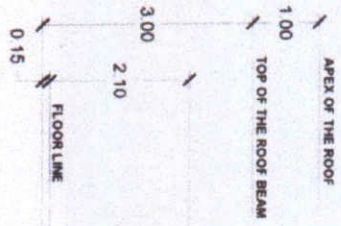
RECOMMENDING APPROVAL

MRS ROSALINDA S. TOVILLA, LL.B.
VP for ADMINISTRATION & FINANCE

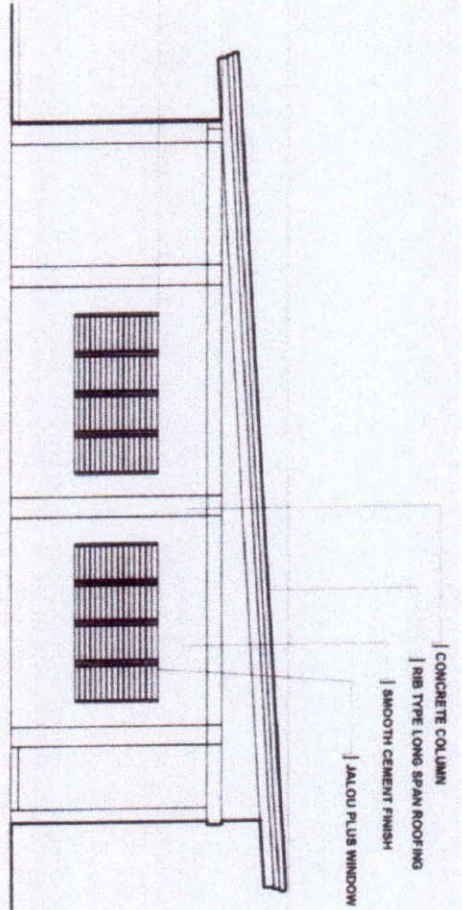
APPROVED BY

RENATO A. SORIANO, PH.D.
SUC PRESIDENT II

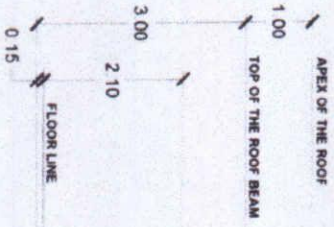
SHEET NO



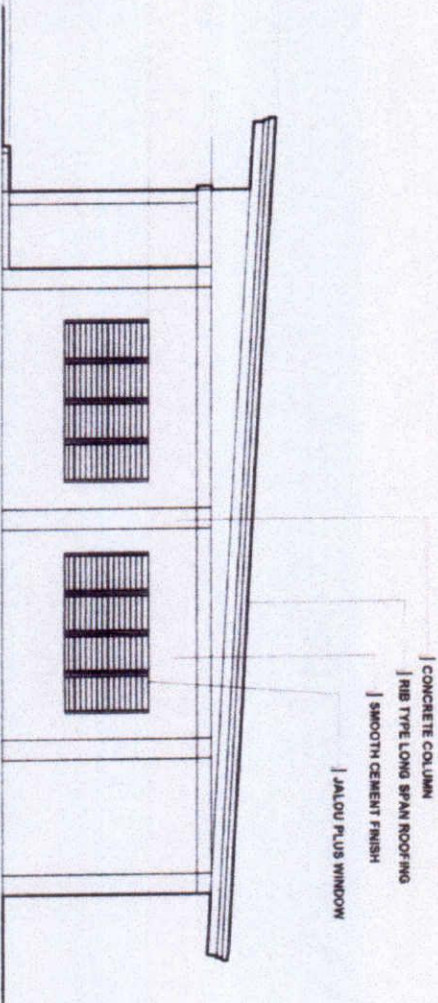
LEFT SIDE ELEVATION DRAWING
SCALE 1:100M



- | CONCRETE COLUMN
- | RIB TYPE LONG SPAN ROOFING
- | SMOOTH CEMENT FINISH
- | JALOU PLUS WINDOW



RIGHT SIDE ELEVATION DRAWING
SCALE 1:100M



- | CONCRETE COLUMN
- | RIB TYPE LONG SPAN ROOFING
- | SMOOTH CEMENT FINISH
- | JALOU PLUS WINDOW



REPUBLIC OF THE PHILIPPINES
 CARLOS HILADO MEMORIAL STATE COLLEGE
 OFFICE OF PHYSICAL DEVELOPMENT
 UNIVERSITY OF MINDANAO

PROJECT TITLE
 PROPOSED TRAINING CENTER AT
 FERMIN CAMPUS, E. B. MAGALONA

LOCATION: CHMCC, FERMIN CAMPUS

PREPARED BY

[Signature]
 NIKKY B. RONQUILLO
 COLLEGE DRAFTSMAN

CHECKED BY

[Signature]
 ENGR. JUN JUN MARQUEZ
 PPM DIRECTOR

RECOMMENDING APPROVAL

[Signature]
 MRS. ROSALINDA S. TUVILLA, LLB
 VP for ADMINISTRATION & FINANCE

APPROVED BY

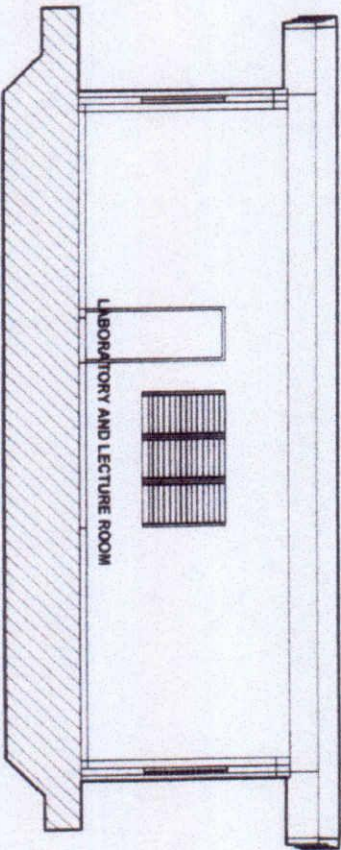
[Signature]
 RENATO M. OPULLA, PH.D.
 SUC PRESIDENT II

SHEET NO.

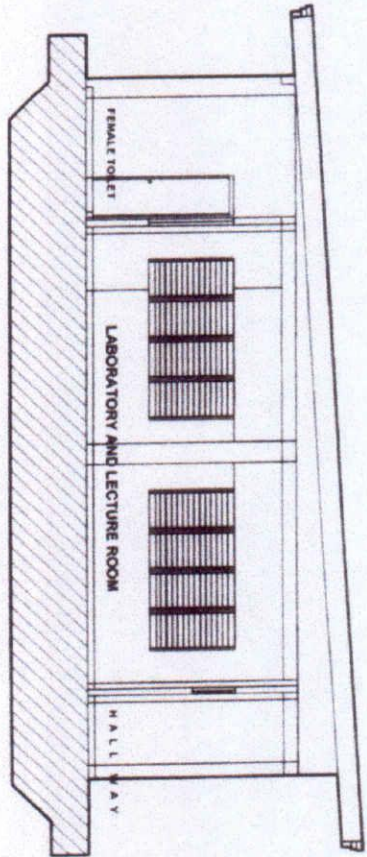
LONGITUDINAL SECTION DETAIL
 SCALE 1:100M

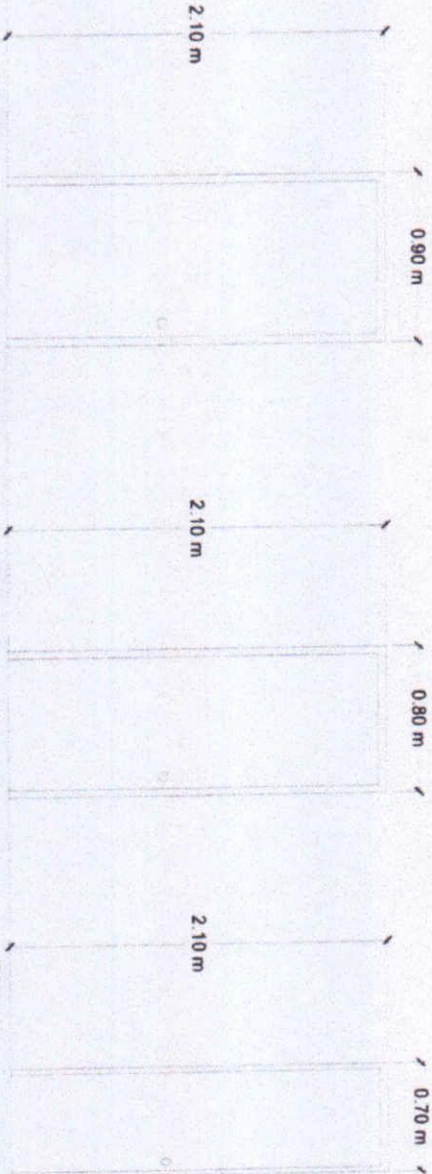
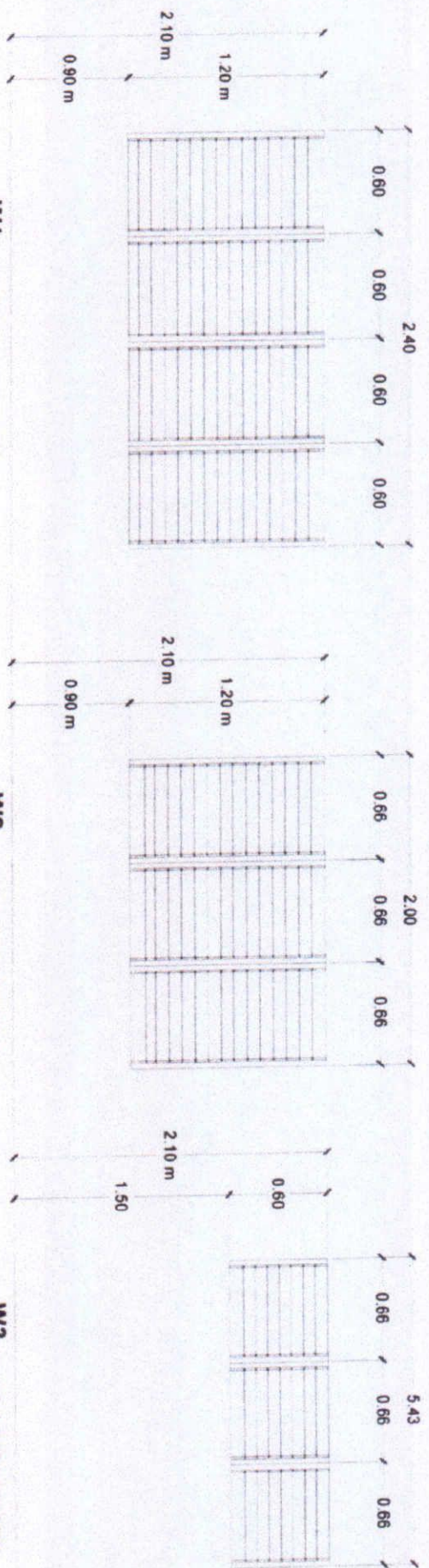
SCALE

1:150M




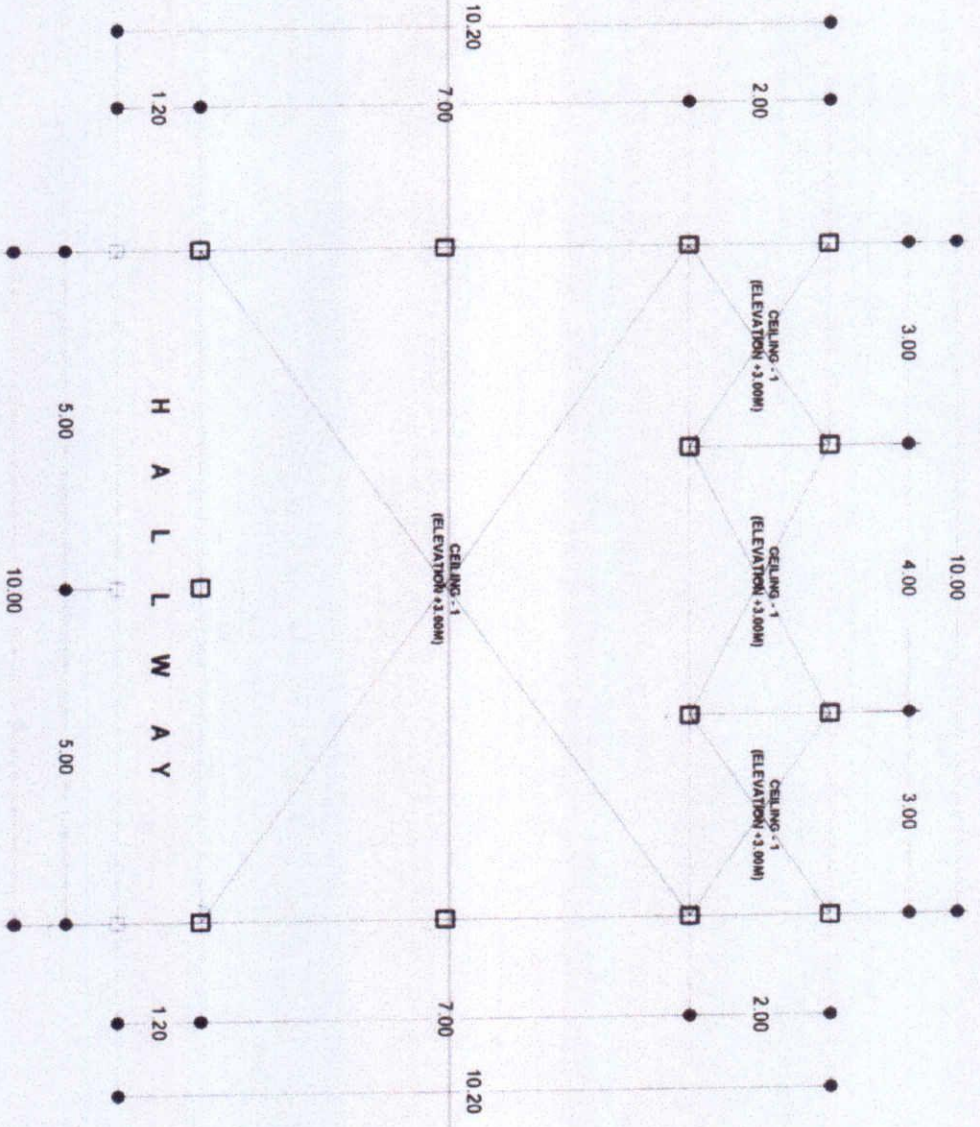
CROSS SECTION DETAIL
 SCALE 1:100M



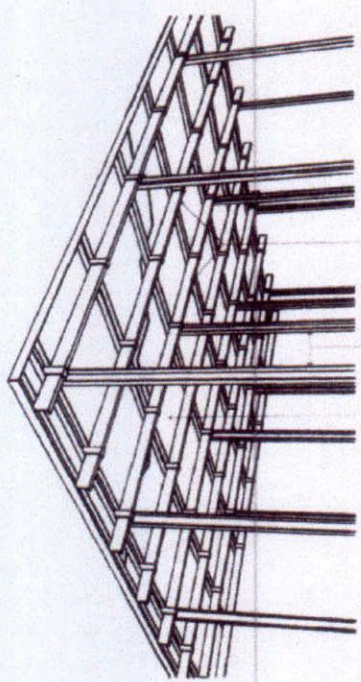


SCHEDULE OF DOORS AND WINDOWS
SCALE 1:50M

 <p>REPUBLIC OF THE PHILIPPINES CANTON BUKIDNON NATIONAL STATE COLLEGE OFFICE OF PHYSICAL DEVELOPMENT & MANAGEMENT OFFICE</p>		PREPARED BY	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET N
<p>PROJECT TITLE PROPOSED TRAINING CENTER AT FERMIN CAMPUS, E.B. MAGALONA</p> <p>LOCATION CHEMIC. FERMIN CAMPUS</p>		<p>ENGINEER RANIB-B. RONDILLO COLLEGE DRAFTSMAN</p>	<p>ENGINEER DAN JUN M. MARQUEZ PPDM DIRECTOR</p>	<p>MRS. ROSALINDA S. TUVILLA, LLB VP for ADMINISTRATION & FINANCE</p>	<p>REYNATO M. SOROLLIA, PH.D. SUC PRESIDENT II</p>	



REFLECTED CEILING PLAN
SCALE 1:150M








0.5mm x 18mm x 38mm |
METAL FURRING SPACED @
0.60M O.C. BOTH WAYS

1mm x 12mm x 38mm CARRYING CHANNEL
SPACED @ 1.20M O.C.
3MM HARDLITE BOARD

CEILING CONNECTION DETAIL
SCALE

SCALE

1:150M

	REPUBLIC OF THE PHILIPPINES CANON HENAO NATIONAL STATE COLLEGE OFFICE OF PHYSICAL DEVELOPMENT & MANAGEMENT OFFICE		PREPARED BY  YVONNE B. ROLDAN COLLEGE DEAN (S/M)	CHECKED BY  JUN JUN JARQUEZ PPGM DIRECTOR	RECOMMENDING APPROVAL  MRS. ROSALINDA S. TUVALA, LLB VP for ADMINISTRATION & FINANCE	APPROVED BY  RENATO M. SOROLLA, PH.D. SUC PRESIDENT II	SHEET NO.
	PROPOSED TRAINING CENTER AT FERMIN CAMPUS, E.B. MAGALONA						
LOCATION: CHMSC, FERMIN CAMPUS							



REPUBLIC OF THE PHILIPPINES
CARLOS HEALDON MEMORIAL STATE COLLEGE
OFFICE OF PHYSICAL DEVELOPMENT & MANAGEMENT

PROJECT TITLE
PROPOSED TRAINING CENTER AT FERMIN CAMPUS, E. B. MAGALONA
LOCATION: CHMRC - FERMIN CAMPUS

PREPARED BY

CHECKED BY

RECOMMENDING APPROVAL

APPROVED BY

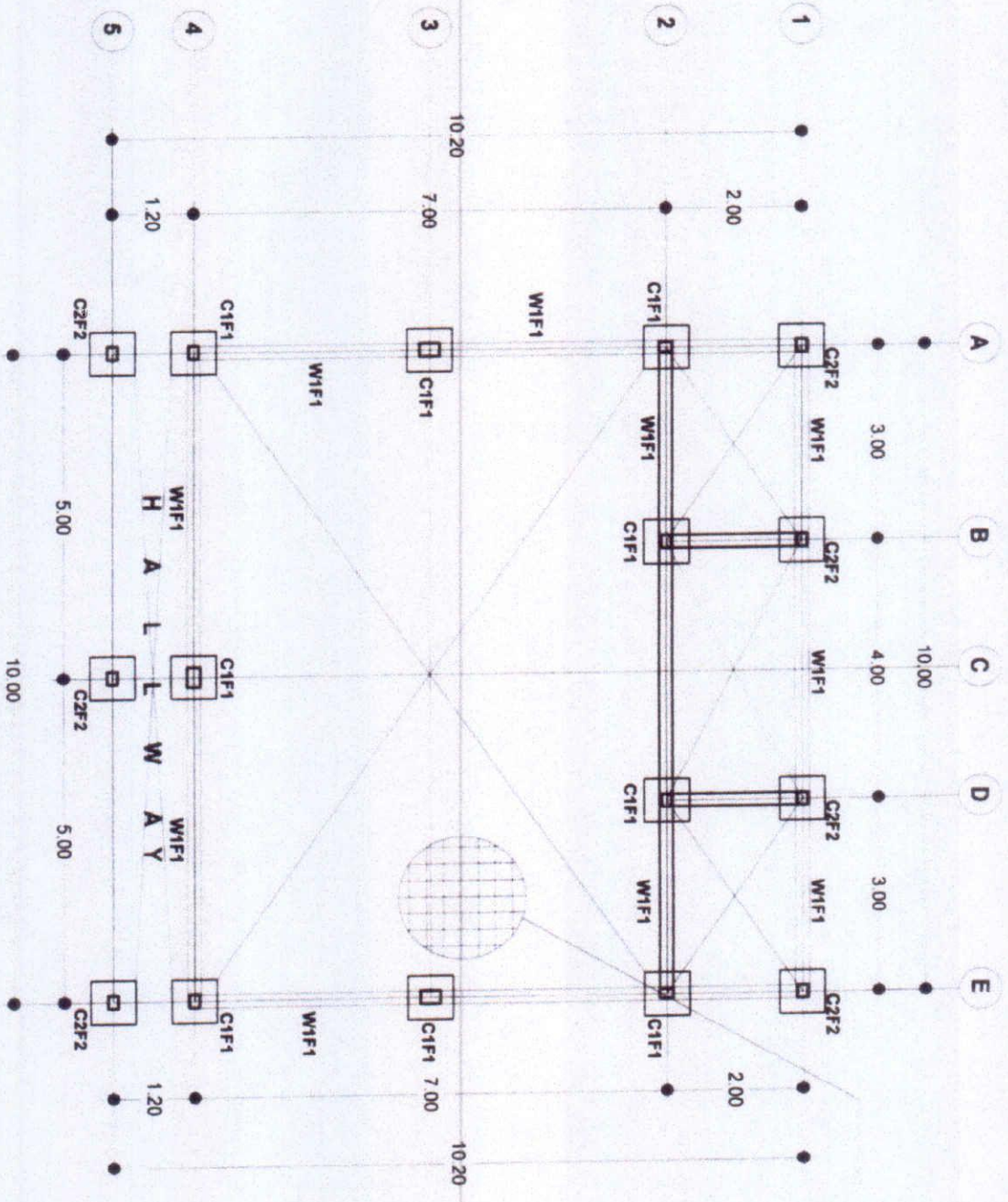
SHEET NO

MAKIB R. RONQUILLO
COLLEGE CRAFTSMAN

ENGR. JUN J. MARQUEZ
PPDM DIRECTOR

MRS. ROSALINDA S. TUVILLA, LL.B.
VP for ADMINISTRATION & FINANCE

RENATO M. SONDOLA, PH.D.
SUC PRESIDENT II

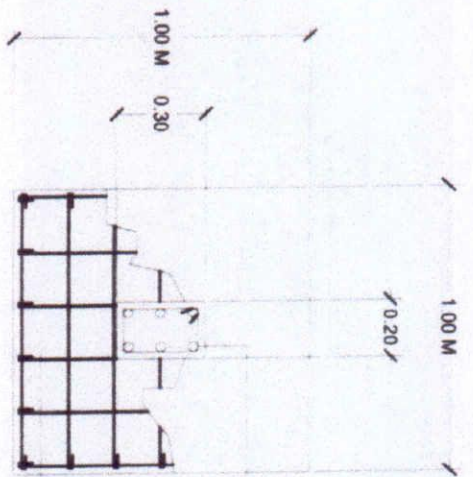


FOUNDATION PLAN

SCALE

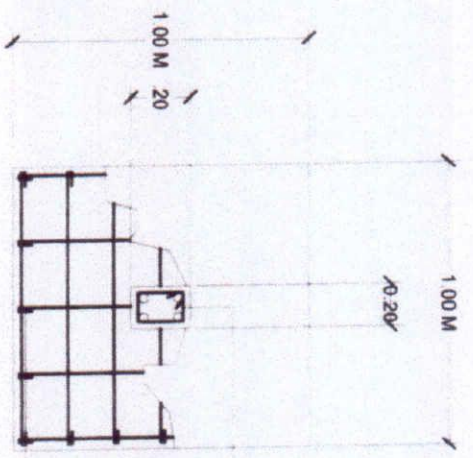
1:150M

10mm Ø TEMP. BARS SPACED @
0.50M O.C. BOTH WAYS



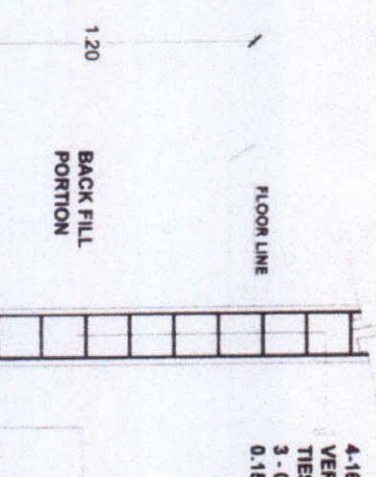
4-16mm w/ 2-12mm \emptyset
VERT BARS w/ 10mm \emptyset
TIES SPACED @ 3 - 0.05m,
3 - 0.10m, REST @
0.15M.O.C.

6-16mm \emptyset MAT BARS
BOTH WAYS



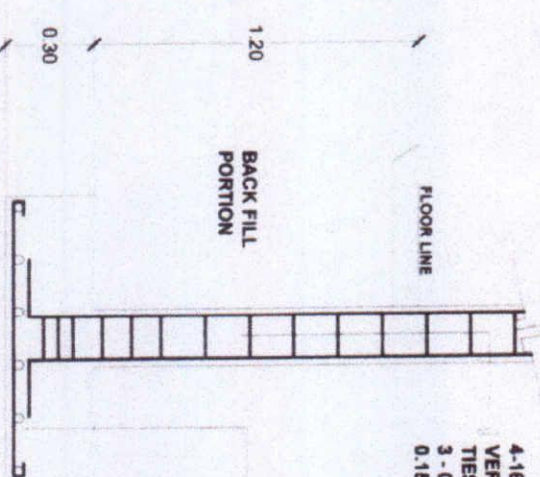
4-16mm \emptyset VERT BARS w/
10mm \emptyset TIES SPACED @ 3
- 0.05m, 3 - 0.10m, REST @
0.15M.O.C.

5-16mm \emptyset MAT BARS
BOTH WAYS



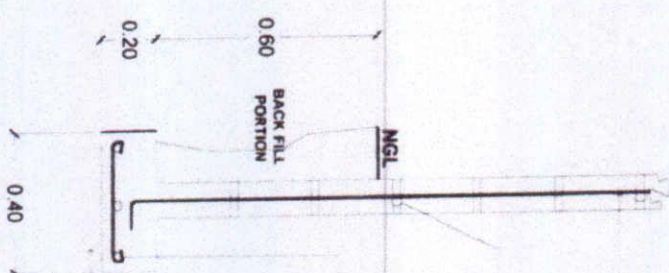
4-16mm w/ 2-12mm \emptyset
VERT BARS w/ 10mm \emptyset
TIES SPACED @ 3 - 0.05m,
3 - 0.10m, REST @
0.15M.O.C.

6-16mm \emptyset MAT
BARS BOTH
WAYS



4-16mm \emptyset VERT BARS w/
10mm \emptyset TIES SPACED @ 3
- 0.05m, 3 - 0.10m, REST @
0.15M.O.C.

5-16mm \emptyset MAT
BARS BOTH
WAYS



3-10mm \emptyset TEMP BARS
w/ 10mm \emptyset TIES
SPACED @ 0.30M.O.C.

0.05M GRAVEL BED

10mm \emptyset VERTICAL
BARS SPACED
0.80M.O.C.

10mm \emptyset HORIZONTAL
BARS SPACED @
EVERY 3 LAYER OF
CHB

C1F1 DETAIL

SCALE 1:30M

C2F2 DETAIL

SCALE 1:30M

W1F1 DETAIL

SCALE 1:30M



REPUBLIC OF THE PHILIPPINES
OFFICE OF THE PRESIDENT
OFFICE OF PRESIDENTIAL DEVELOPMENT &
MANAGEMENT

PROJECT TITLE
PROPOSED TRAINING CENTER AT
FERMIN CAMPUS, E.B. MAGALONA
LOCATION CHMSC - FERMIN CAMPUS

PREPARED BY

Nikki B. Rodriguez
NIKKI B. RODRIGUEZ
COLLEGE DRAFTSMAN

CHECKED BY

Engr. D. Jun Jun Lam-Rouez
ENGR. D. JUN JUN LAM-ROUEZ
PPDM DIRECTOR

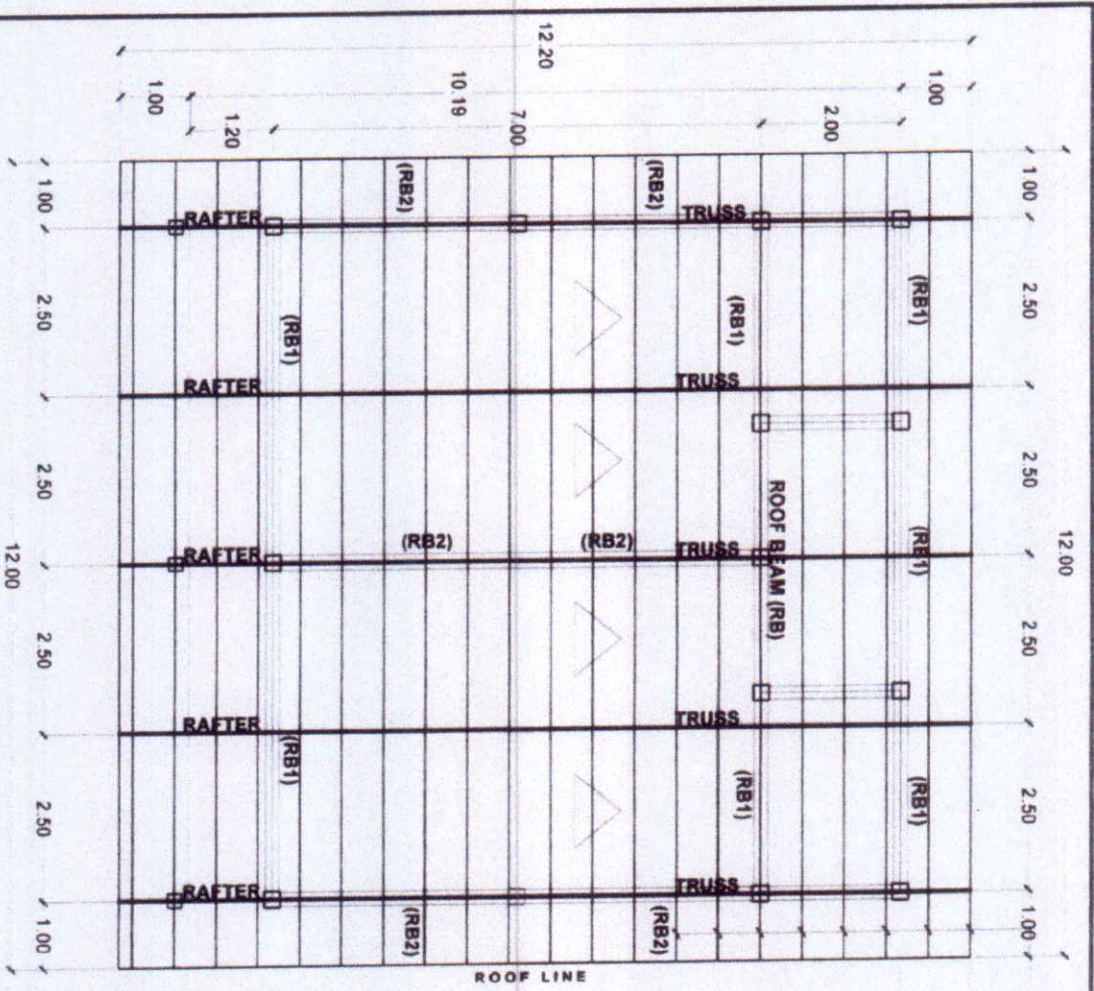
RECOMMENDING APPROVAL

Mrs. Rosalinda Tuvilla
MRS. ROSALINDA TUVILLA, M.B.
VP for ADMINISTRATION & FINANCE

APPROVED BY

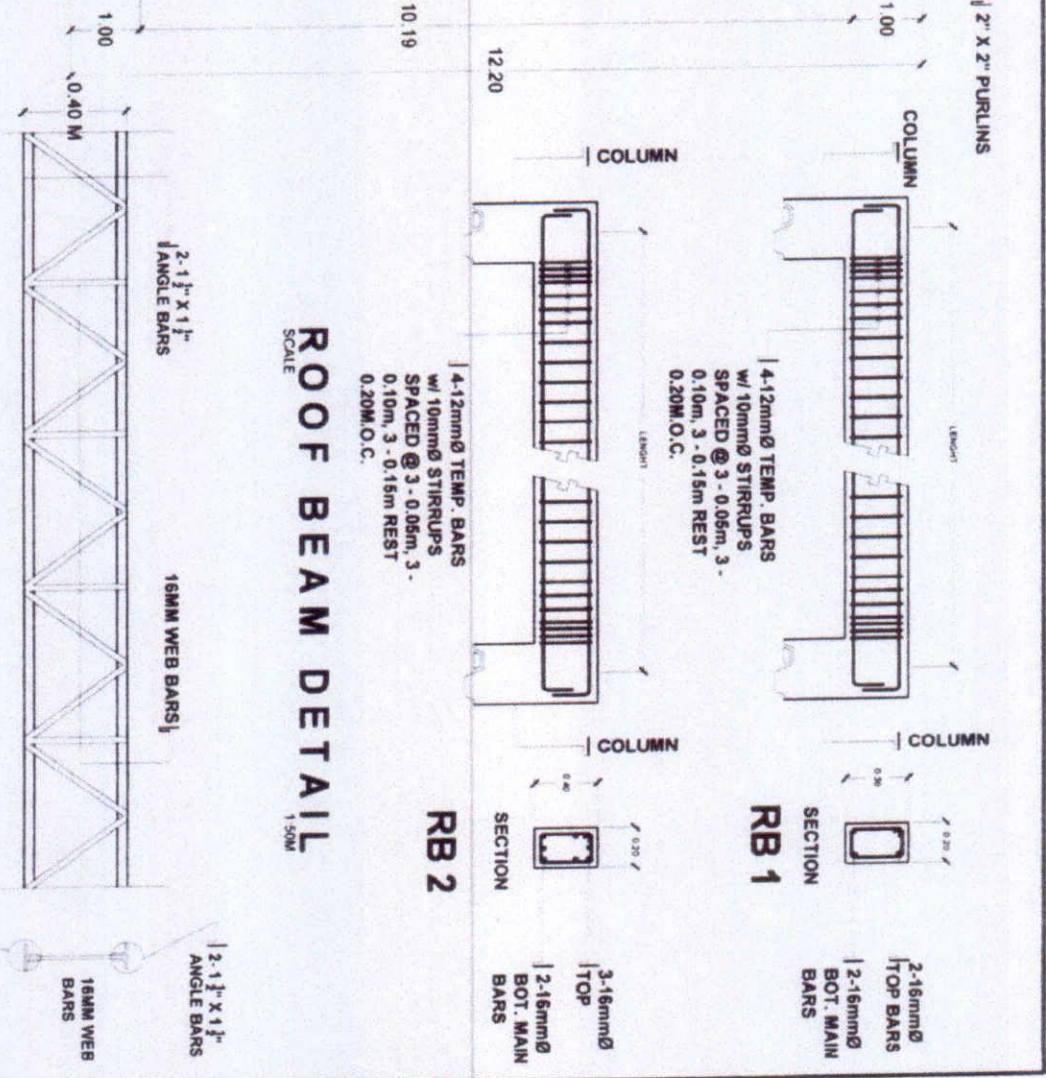
Remato M. Sorolla, Ph.D.
REMATO M. SOROLLA, PH.D.
SUC PRESIDENT II

SHEET NO.



FOUNDATION PLAN

SCALE 1:150M



TRUSS BEAM DETAIL

SCALE 1:50M

TRUSS DETAIL

SCALE 1:50M



REPUBLIC OF THE PHILIPPINES
 Office of Personnel Services
 Department of Education
 Manila, Philippines

PROJECT TITLE
 PROPOSED TRAINING CENTER AT
 FERMIN CAMPUS, E. B. MAGALONA
 LOCATION: CHMSC, FERMIN CAMPUS

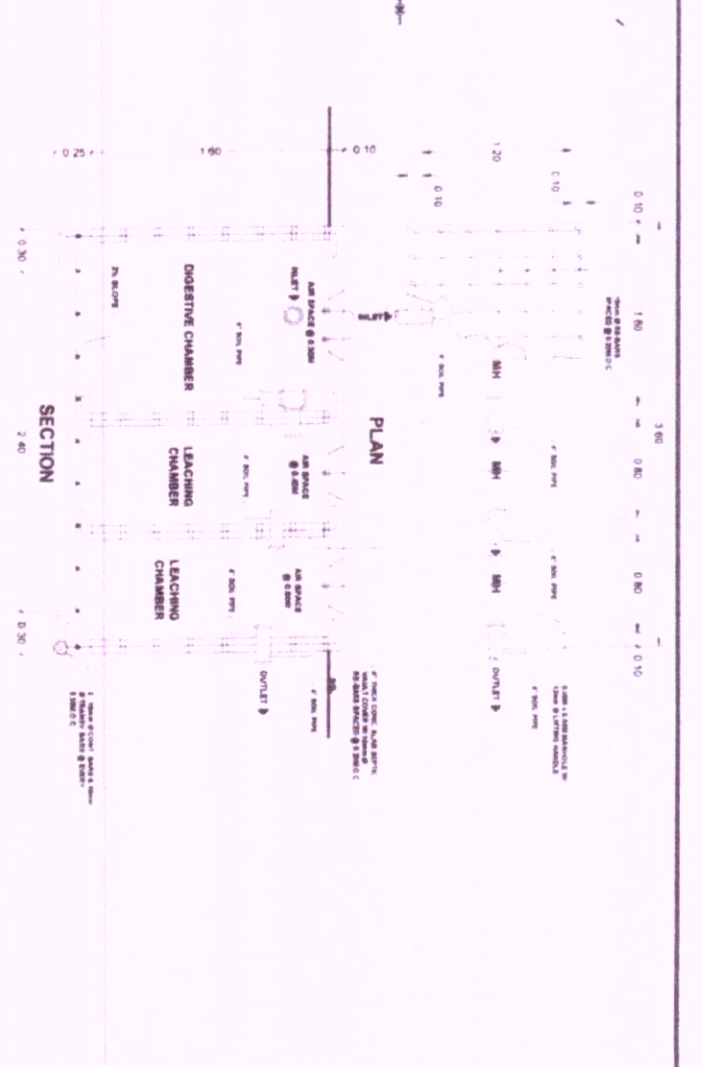
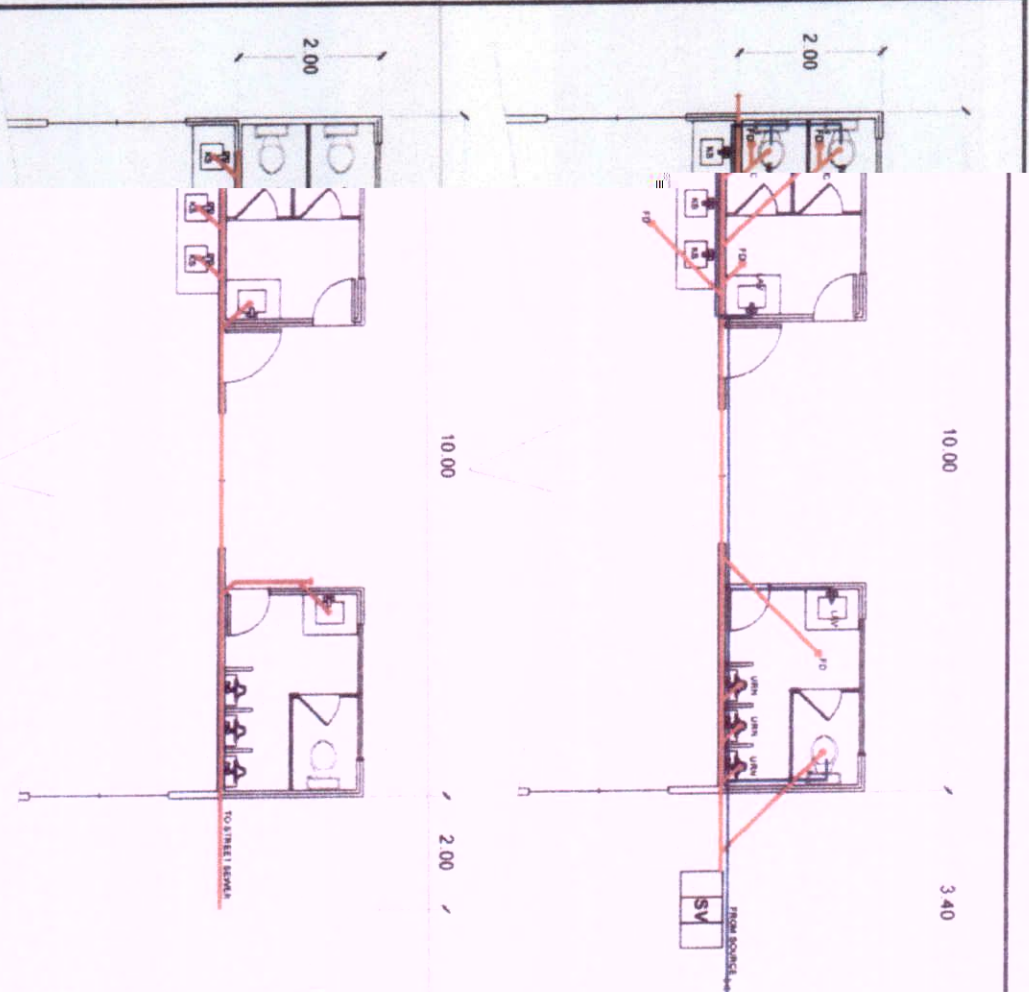
PREPARED BY
 [Signature]
 ENGR. [Name]
 COLLEGE DR. [Name]

CHECKED BY
 [Signature]
 ENGR. [Name]
 PPM DIRECTOR

RECOMMENDING APPROVAL
 [Signature]
 MRS. ROSALIND S. TUVILLA, LIB
 VP for ADMINISTRATION & FINANCE

APPROVED BY
 [Signature]
 RENATO W. SOROLA, PH.D.
 SUC PRESIDENT II

SHEET NO.



PLUMBING LAY-OUT

SCALE 1:100M

SCALE 1:100M

SCALE 1:50M

SCALE 1:50M

LEGEND :

- SOIL PIPE LINE
- WASTE PIPE LINE
- WATER PIPE LINE
- WATER METER
- GATE VALVE
- WATER CLOSET
- LAVATORY
- KITCHEN SINK
- FLOOR DRAIN
- CLEAN OUT
- SEPTIC WALLT
- VENT TRHU ROOF
- SHOWER
- SOIL STACK

GENERAL NOTES :

- 1 ALL PLUMBING WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST PROVISION OF THE PHILIPPINE NATIONAL PLUMBING, THE UNIFORM CODE, THE NATIONAL BUILDING CODE AND THE RULES AND REGULATIONS OF THE LOCALITY
- 2 ALL SANITARY PIPE LINES SHALL MAINTAIN A 2% (0.02) SLOPE
- 3 ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE NATIONAL PLUMBING CODE
- 4 ALL ROUGHING, IN A INSTALLATION SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A FULLY CERTIFIED MASTER PLUMBER
- 5 PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATIONS OF ALL EXISTING PIPES AND STRUCTURES
- 6 WALL WATER SUPPLY PIPE SIZES OF FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS

SPECIFICATIONS :

- 1 ALL WASTE PIPE LINE SHALL BE OF PVC PIPE & JOINT TIGHTLY TOGETHER WITH PVC SOLVENT CEMENT
- 2 WATER SUPPLY LINE SHALL BE OF G.I. PIPE SCHEDULE 40 3/4" Ø FOR WATER SUPPLY & 1 1/2" Ø FOR DISTRIB. LINE
- 3 ALL PLUMBING FIXTURE BE FREE FROM DEFECT OR DAMAGE AND OF STANDARD MAKE
- 4 ALL PLUMBING INSTALLATION SHALL BE DONE UNDER THE SUPERVISION OF A LICENSED SANITARY ENGINEER OR MASTER PLUMBER
- 5 ALL PLUMBING WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF PLUMBING CODE



REPUBLIC OF THE PHILIPPINES
 DEPARTMENT OF EDUCATION
 OFFICE OF PHYSICAL DEVELOPMENT
 MANAGEMENT OFFICE

PROJECT TITLE
 PROPOSED TRAINING CENTER AT
 MAIN CAMPUS, E. B. MAGALONA
 ACTION CHMSC, FERMIN CAMPUS

PREPARED BY
 ENGINEER
 JOHN JUN J. MARQUEZ
 COLLEGE DRAFTSMAN

CHECKED BY
 ENGINEER
 JOHN JUN J. MARQUEZ
 COLLEGE DRAFTSMAN

RECOMMENDING APPROVAL
 MRS. ROSALINDA Y. TUVILLA, I.B.
 OFFICE ADMINISTRATOR & FINANCE

APPROVED BY
 RENATO M. SOROLA, PH.D.
 SUC PRESIDENT

SHEET NO.



REPUBLIC OF THE PHILIPPINES
 CARLOS H. ALDO MEMORIAL STATE COLLEGE
 OFFICE OF PHYSICAL DEVELOPMENT &
 MANAGEMENT OFFICE

PROJECT TITLE
 PROPOSED TRAINING CENTER AT
 FERMIN CAMPUS, EB MAGALONA

LOCATION: CHNSC, FERMIN CAMPUS

PREPARED BY
 NIKKI B. RONDULO
 COLLEGE DRAFTER

CHECKED BY
 ENGR. JUN DAN J. MARQUEZ
 PPOCM DIRECTOR

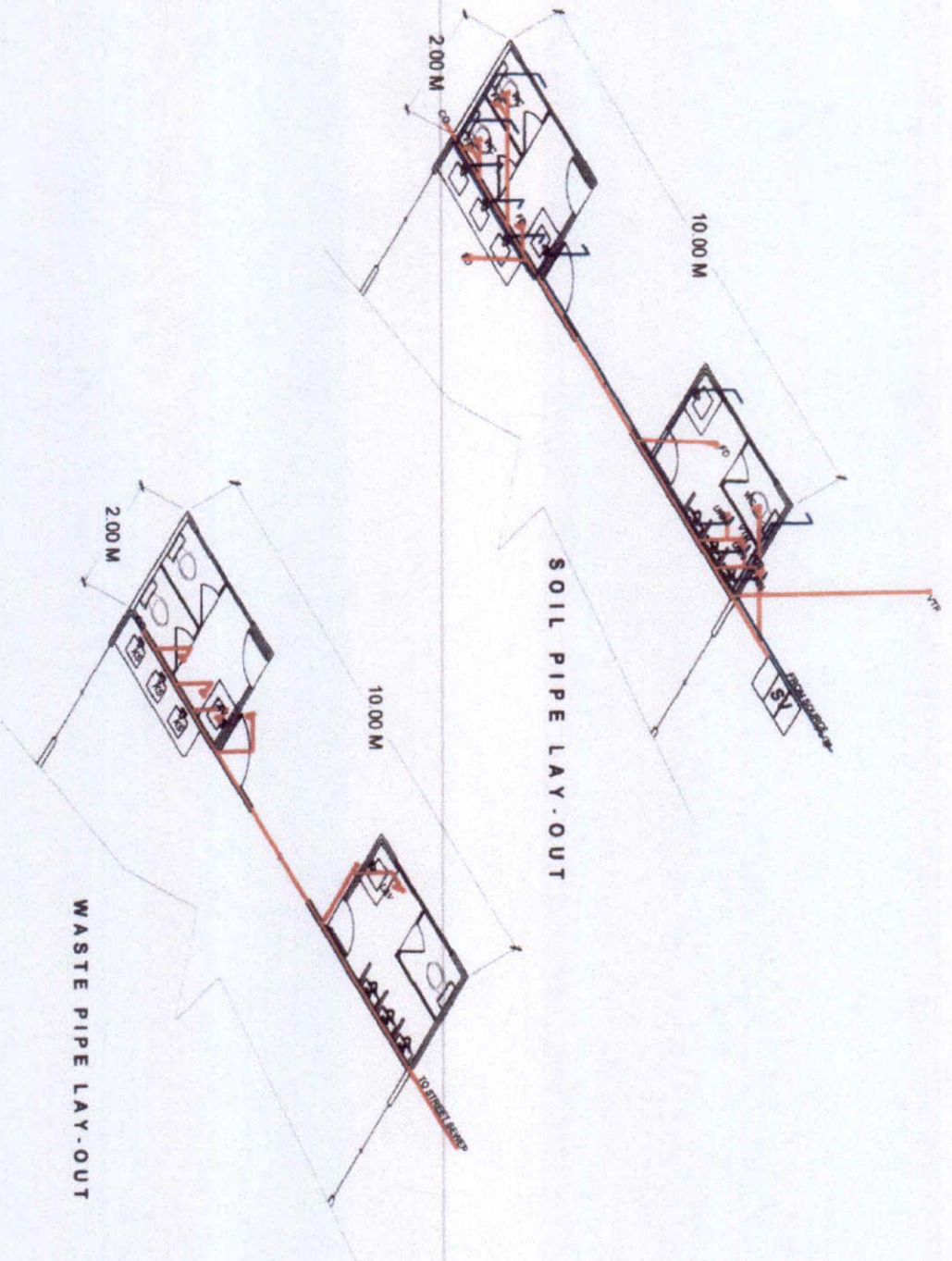
RECOMMENDING APPROVAL
 MRS. ROSALINDA S. TUVILLA, LLB
 VP for ADMINISTRATION & FINANCE

APPROVED BY
 RENATO M. SOROLLA, P.E.
 SUC PRESIDENT II

SHEET NO

ISOMETRIC LAY-OUT

SCALE
 1:100M



SOIL PIPE LAY-OUT

WASTE PIPE LAY-OUT

LEGEND :

	SOIL PIPE LINE
	WASTE PIPE LINE
	WATER PIPE LINE
	WATER METER
	GATE VALVE
	WATER CLOSET
	LAVATORY
	KITCHEN SINK
	FLOOR DRAIN
	CLEAN OUT
	SEPTIC VAULT
	VENT TRHU ROOF
	SHOWER
	SOIL STACK

GENERAL NOTES:

1. ALL PLUMBING WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST PROVISION OF THE PHILIPPINE NATIONAL PLUMBING THE UNIFORM CODE, THE NATIONAL BUILDING CODE AND THE RULES AND REGULATIONS OF THE BOARD OF PLUMBING.
2. ALL SANITARY PIPE LINES SHALL MAINTAIN A 2% @ 0.03 SLOPE PROVIDE SHUT-OFF VALVE FOR EVERY FUTURE BRANCH.
3. ALL ROUGHING-IN INSTALLATION SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY CERTIFIED MASTER PLUMBER.
4. PROPOSED SANITARY UTILITIES SHALL COME TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATIONS OF ALL EXISTING PIPES AND STRUCTURES.
5. WALL WATER SUPPLY PIPE SIZES OF FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

SPECIFICATIONS:

1. ALL WASTE PIPE LINE SHALL BE OF PVC PIPE & JOINT THORNTLY TOGETHER WITH PVC SOLVENT CEMENT.
2. WATER SUPPLY LINE SHALL BE OF G.I. PIPE SCHEDULE 40 3/4" Ø FOR WATER SUPPLY & 1 1/2" Ø FOR DISTRIB. LINE.
3. ALL PLUMBING FIXTURES BE FREE FROM DEFECT OR DAMAGE AND OF STANDARD MARKED.
4. ALL PLUMBING INSTALLATION SHALL BE DONE UNDER THE SUPERVISION OF A LICENSED SANITARY ENGINEER OR MASTER PLUMBER.
5. ALL PLUMBING WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF PLUMBING CODE.



REPUBLIC OF THE PHILIPPINES
 CARLOS HILADO MEMORIAL STATE COLLEGE
 OFFICE OF PHYSICAL DEVELOPMENT &
 MANAGEMENT OFFICE

PROJECT TITLE
 PROPOSED TRAINING CENTER AT
 FERMIN CAMPUS, E. B. MAGALONA

LOCATION: CHMSC - FERMIN CAMPUS

PREPARED BY

[Signature]
 ANNA B. RONDINO
 COLLEGE DEPARTMENT

CHECKED BY

[Signature]
 ENGR. JOY JOY MARQUEZ
 PPM DIRECTOR

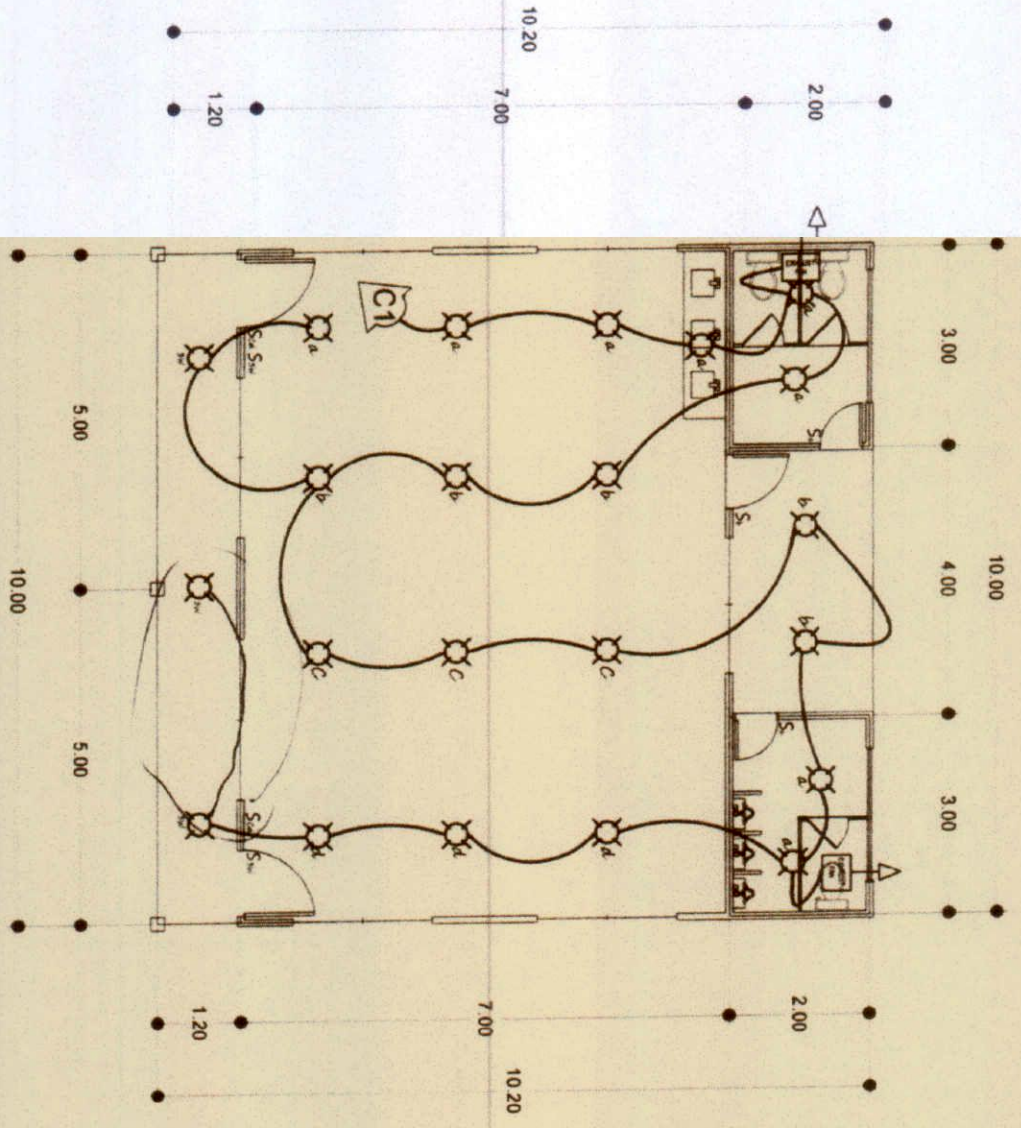
RECOMMENDING APPROVAL

[Signature]
 MRS. ROSALINDA S. TUVILLA, LLB
 VP for ADMINISTRATION & FINANCE

APPROVED BY

[Signature]
 RENATO M. BORDOLA, PH.D.
 SUC PRESIDENT II

SHEET NO





REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF EDUCATION
OFFICE OF THE STATE EDUCATION OFFICE
OFFICE OF PRISON DEVELOPMENT & MANAGEMENT

PROJECT TITLE
PROPOSED TRAINING CENTER AT
FERMIN CAMPUS, E. B. MAGALONA

LOCATION: CMAEC, FERMIN CAMPUS

PREPARED BY

MARK B. RONQUILLO
COLLEGE DRAFTSMAN

CHECKED BY

ENGR. JIM J. MARQUEZ
PRISON DIRECTOR

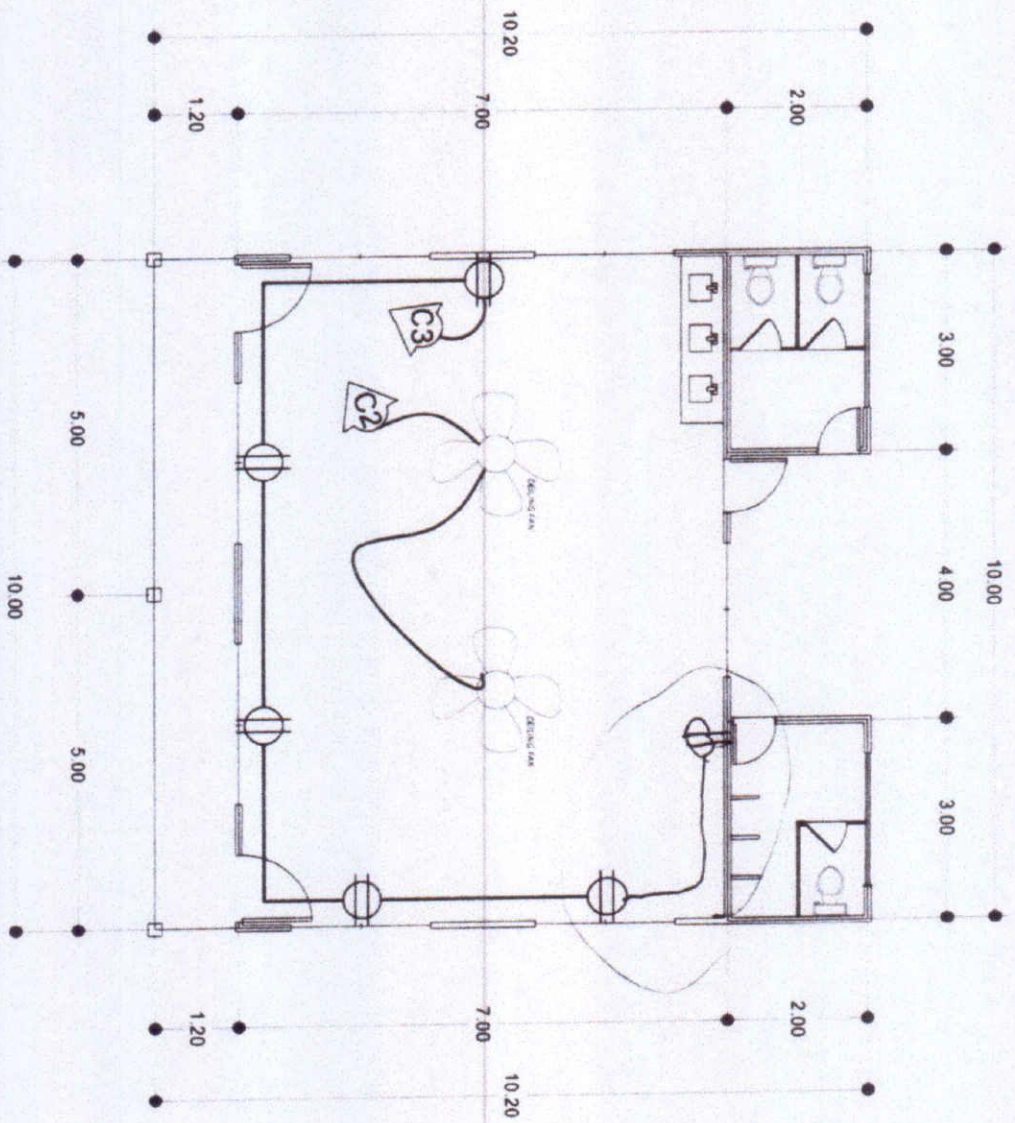
RECOMMENDING APPROVAL

MRS. ROSALINDA S. TUVILLA, LL.B.
VP for ADMINISTRATION & FINANCE

APPROVED BY

RENATO M. SOROLLAN, PH.D.
SUC PRESIDENT II

SHEET NO



ELECTRICAL POWER LAY-OUT

SCALE 1:150MM

SCHEDULE OF LOADS

CIRCUIT	LOAD DESCRIPTION	WATTS	COMPUTED AMPERE	REQUIRED AMPERE	VOLTAGE	SIZE WIRE AND CONDUIT PIPE
C1	22 C.L.O. - 18W 2 EXH	456 W	2.07 A	20 A	220 V	2.5 5MM ² THW WIRE + GROUND WIRE
C2	2 CF - 500W	1000 W	4.54 A	30 A	220 V	2.5 5MM ² THW WIRE + GROUND WIRE
C3	6 C.O. - 180W	1080 W	4.9 A	30 A	220 V	2.5 5MM ² THW WIRE + GROUND WIRE
C4	SPARE			30 A	220 V	
TOTAL		3700 W	11.51 A			

DESIGN COMPUTATION:

IT (TOTAL CURRENT):
 = 3,700 W / 220 V
 = 11.51 A (1.25)
 = 14.39 A

NOTE:
 MAIN FEEDER & MAIN CIRCUIT BREAKER
 USE 2 - 14sqmm THHN + 5.5 GROUND CU WIRE IN 1" Ø RSC PIPE WITH 60 A, ACB 2P AS MAIN BREAKER

5.5 sqmm
GROUND

SI



REPUBLIC OF THE PHILIPPINES
 CANON HILADO MEMORIAL STATE COLLEGE
 OFFICE OF PHYSICAL DEVELOPMENT &
 MANAGEMENT OFFICE

PROJECT TITLE

PROPOSED TRAINING CENTER AT
 FERMIN CAMPUS, E.B. MAGALONA

LOCATION CHASC. FERMIN CAMPUS

PREPARED BY

[Signature]
 MIKKI B. RONDALLO
 COLLEGE DRAFTSMAN

CHECKED BY

[Signature]
 ENGR. JON
 P. JON



Republic of the Philippines
CARLOS HILADO MEMORIAL STATE COLLEGE
Talisay City, Negros Occidental

- I. **PROJECT TITLE:** Proposed Training Center
II. **LOCATION:** CHMSC Fermin Campus, E.B. Magalona
III. **SUBJECT:** PROGRAM OF WORKS
IV. **SCOPE OF WORK:**

- 1.0 GENERAL REQUIREMENTS**
 - 1.1 Mobilization and Demobilization
 - 1.2 Permits and Licenses
 - 1.3 Temporary Facilities
 - 1.4 Site Security
 - 1.5 Safety Occupational Hazards
 - 1.6 Site Clearing, Hauling and Grubbing
 - 1.7 As-Built Plans

- 2.0 STRUCTURAL WORKS**
 - 2.1 EarthWorks**
 - 2.1.1 Excavation of column and wall footings
 - 2.1.2 Backfilling and Compaction of Volcanic Soil
 - 2.1.3 Gravel Bedding
 - 2.1.4 Soil Poisoning

 - 2.2 Forms and Scaffolds**
 - 2.2.1 Lay-outing of columns and footings
 - 2.2.2 Fabrication and Installation of Forms and Scaffolds
 - 2.2.3 Perimeter Board ups and Fencing

 - 2.3 Rebar Works**
 - 2.3.1 Fabrication and Installation of Rebars for:
 - 2.3.1.1 Column Footings
 - 2.3.1.2 Columns
 - 2.3.1.3 Wall Footings
 - 2.3.1.4 Roof Beams
 - 2.3.1.5 SOG

 - 2.4 Concreting Works**
 - 2.4.1 Concreting of:**
 - 2.4.1.1 Column Footings
 - 2.4.1.2 Columns
 - 2.4.1.3 Wall Footings
 - 2.4.1.4 Roof Beams
 - 2.4.1.5 SOG

 - 2.5 Steel Works**
 - 2.5.1 Fabrication and Installation of:
 - 2.5.2 Steel Rafters with Rebar web members
 - 2.5.3 Purlins
 - 2.5.4 Fascia Frames

- 3.0 ARCHITECTURAL WORKS**
- 3.1 Masonry Works**
- 3.1.1 Construction of CHB walls**
- 3.1.1.1 CHB Laying
- 3.1.1.2 CHB Reinforcement
- 3.1.1.3 CHB Roughing (2 Face)

- 3.1.2 Finishing Works**
- 3.1.2.1 Wall Finishing (2 Face) smooth finished

- 3.2 Carpentry Works**
- 3.2.1 Installation of ceiling panels and frames/joist**

- 3.3 Doors and Windows (Supply and Install)**
- 3.3.1 Installation of Doors with Peep Opening, Door Jambs, with complete accessories
- 3.3.2 Installation of Jalouplus Windows, with complete accessories

- 3.4 Roofing and Tinsmithry Works**
- 3.4.1 Installation of Pre-Painted Rib-Type Longspan Roof Panel
- 3.4.2 Installation of Roofing Accessories
- 3.4.3 Installation of Prefabricated G.I. False Gutter
- 3.4.4 Installation of Air Ventelation

- 3.5 Painting Works**
- 3.5.1 Surface Preparation and Top Coating of:**
- 3.5.1.1 Ceiling Panels
- 3.5.1.2 Interior and Exterior walls (Primer and 2 top coats)
- 3.5.1.3 Panel Door, Jambs and Headers
- 3.5.1.4 Window Jambs and Headers
- 3.5.1.5 Primering of Steel Rafters

- 3.5.2 Tile Works**
- 3.5.2.1 Male and Female Toilet (0.30 x 0.30)

- 4.0 Plumbing Works**
- 4.1 Lay-outing, Fabrication and Installation of:**
- 4.1.1 Sanitary and Water Pipelines, Accessories and Hardwares
- 4.1.2 Sewer and Vent System
- 4.1.3 Septic Tank
- 4.1.4 Lavatories
- 4.1.5 Cubicle Partition
- 4.1.6 Storm Drainage System
- 4.1.7 Plumbing Fixtures

- 5.0 ELECTRICAL WORKS**
- 5.1 Installation of:**
- 5.1.2 Panel Boards
- 5.1.3 Lighting Fixtures
- 5.1.4 Conduits, Hardwares and Accessories
- 5.1.5 Wires and Cables

5.1.6 Wiring Devices

PROJECT DURATION: 120 CALENDAR DAYS

* THE ABOVE ITEMS ARE INDICATIVE AND BASED ON PLANS, THE SAME WAY MAY VARY FROM ACTUAL CONDITIONS



CARLOS HILADO MEMORIAL STATE COLLEGE
BIDS AND AWARDS COMMITTEE
 Talisay City, Negros Occidental
 Telefax No.: (034) 712-8404

PROJECT OF REFERENCE:

7215746/CHMSC 20-031-1002-I

NAME OF PROJECT:

PROPOSED TRAINING CENTER

LOCATION OF THE PROJECT:

CHMSC FERMIN CAMPUS, MUNICIPALITY OF ENRIQUE B. MAGALONA

BILL OF QUANTITIES - BOQ

Item no.	Description of Works	Qty	Unit	Material Cost		Labor Cost		Total Amount
				Unit Cost	Material Sub-total Cost	Unit Cost	Labor Sub-Total Cost	Contract
1.0	GENERAL REQUIREMENTS							
1.1	Mobilization and Demobilization		lot					
1.2	Permits and Licenses		lot					
1.3	Temporary Facilities		lot					
1.4	Site Security		lot					
1.5	Safety Occupational Hazards		lot					
1.6	Site Clearing, Hauling and Grubbing		lot					
1.7	As-Built Plans		lot					
	Sub-total, 1.0 (GENERAL REQUIREMENTS)							
2.0	STRUCTURAL WORKS							
2.1	Earthworks							
2.1.1	Excavation (1.00 x 1.00 x 1.50m)		cu.m					
2.1.2	Soil Poisoning		lot					
2.1.3	Backfilling and Compaction (Volcanic Soil)		sq.m					
2.1.4	Gravel Bedding		lot					
2.2	FORMS AND SCAFFOLDS							
2.2.1	3/8" Ordinary Plywood		shts					
2.2.2	2" x 2" x 10' Rough Lumber		lgths					
2.2.3	Schd. 40 x 2" x 20' G.I. Pipe		lgths					
2.2.4	Scaffolding Pipe Clamp		pcs					
2.2.5	Assorted CW Nail		boxes					
2.2.6	Nylon String		roll					
2.3	REBAR WORKS							
2.3.1	Footing							
2.3.2.1	16mm dia. Deformed steel bars		kg					
2.3.2	Wall Footing							
2.3.2.1	10mm dia. Deformed steel bars		kg					
2.3.3	Column							
2.3.3.1	0.30 x 0.20							
2.3.3.1.1	10mm dia. Deformed steel bars		kg					
2.3.3.1.2	12mm dia. Deformed steel bars		kg					
2.3.3.1.3	16mm dia. Deformed steel bars		kg					
2.3.3.2	0.20x 0.20							
2.3.3.2.1	10mm dia. Deformed steel bars		kg					
2.3.3.2.2	16mm dia. Deformed steel bars		kg					
2.3.4	Beam							
2.3.4.1	0.20x 0.40							
2.3.4.1.1	10mm dia. Deformed steel bars		kg					
2.3.4.1.2	12mm dia. Deformed steel bars		kg					
2.3.4.1.3	16mm dia. Deformed steel bars		kg					
2.3.4.2	0.20x 0.30							
2.3.4.2.1	10mm dia. Deformed steel bars		kg					
2.3.4.2.2	12mm dia. Deformed steel bars		kg					
2.3.4.2.3	16mm dia. Deformed steel bars		kg					
2.3.5	Slab							
2.3.5.1	10mm dia. Deformed steel bars		kg					
2.3.6	#16 G.I. Tie Wire (20Kgs)		kg					
2.4	CONCRETING WORKS							
2.4.1	Footing (3000psi)		cu.m					
2.4.2	Wall Footing (3000psi)		cu.m					
2.4.3	Column (4000psi)		cu.m					

2.4.4	Beam (4000psi)		cu.m				
2.4.5	Slab S.O.G (3500psi)		cu.m				
	Sub-total, 2.0 (STRUCTURAL WORKS)						
3.0	ARCHITECTURAL WORKS						
3.1	MASONRY WORKS						
3.1.1	WALLS						
3.1.1.1	CHB 4"		pcs				
3.1.1.2	10mm dia. Deformed steel bars		lgths				
3.1.1.3	#16 G.I. Tie Wire		kilos				
3.1.1.4	Portland Cement		bags				
3.1.1.5	Mixing Sand		cu.m.				
3.1.2	PLASTERING						
3.1.2.1	Portland Cement		bags				
3.1.2.2	Mixing Sand		cu.m.				
3.2	CARPENTRY WORKS						
3.2.1	3.5mm 4' x 8' Hardiflex		shts				
3.2.2	.5mm x 19 x 50 x 5.00 m Metal furring		lgths				
3.2.3	1/8 x 1 /2 Blind rivets		boxes				
3.2.4	1/8 steel drill bit		pcs				
3.2.5	1 x 1 Steel Air Ventelation		pcs				
3.3	ROOFING WORKS						
3.3.1	.4mm x 1.05m pre-painted rib-type longspan roofing		ln.m				
3.3.2	2" Tek screw full thread 2 1/2		pcs				
3.3.3	1/8 x 1 Blind rivets		boxes				
3.3.4	.5mm x .40m Pre-fabricated Falls Gutter		ln.m				
3.4	STEEL WORKS						
3.4.1	2" x 3" C-purlins		lgths				
3.4.3	1 1/2" x 1 1/2" Angle Bar		lgths				
3.4.4	16mm Round Bar		lgths				
3.4.5	Welding Rod 6013		box				
3.4.6	Hacksaw blade		pcs				
3.4.7	Grinding stone 4" dia		pcs				
3.4.8	Cutting Disk 4" dia		pcs				
3.5	DOORS AND WINDOWS						
3.5.1	DOORS						
3.5.1.1	2.10m x 0.90m Swing Type panel door with 2 x 4 door jamb, door stopper and accessories		sets				
3.5.1.2	2.10m x 0.80m Swing Type panel door with 2 x 4 door jamb, door stopper and accessories		set				

3.6.16	Paint Brush 1" H.D.		pcs					
3.6.17	Sand Paper, #400		pcs					
3.6.18	Sand Paper, #120		pcs					
3.6.19	Sand Paper #80		pcs					
3.6.20	Sand Paper #36		pcs					
3.6.21	Waste Cotton		kgs					
3.7	TILE WORKS							
3.7.1	0.30 X 0.30 Ceramic Floor Tiles Non-Skid		pcs					
3.7.2	0.30 X 0.30 Ceramic Floor Tiles Glazed		pcs					
3.7.3	Tile Adhesive		bags					
3.7.4	Tile Grout		bags					
	Sub-total, 3.0 (ARCHITECTURAL WORKS)							
4.0	PLUMBING WORKS							
4.1	4" Ø 3.0m PVC Pipe		lgths					
4.2	4" Ø PVC P-Trap		pcs					
4.3	4" Ø 90° PVC Elbow		pcs					
4.4	4" Ø PVC Wye		pcs					
4.5	4" Ø x 2" Ø PVC Wye		pcs					
4.6	4" Ø x 2" Ø PVC Tee		pcs					
4.7	4"Ø PVC Clean Out		pcs					
4.8	2"Ø PVC Clean Out		pcs					
4.9	2" Ø PVC Tee		pcs					
4.10	4"Ø Coupling Sanitary		pcs					
4.11	2"Ø 3m PVC Pipe		lgths					
4.12	2"Ø Coupling Sanitary		pcs					
4.13	2" Ø 90° PVC Elbow		pcs					
4.14	2" Ø PVC P-Trap		pcs					
4.15	2" Ø PVC Wye		pcs					
4.16	2"Ø x 45° PVC Elbow		pcs					
4.17	4" x 4" Floor Drain		pcs					
4.18	1"Ø x 3m PVC Blue-Pipe		lgths					
4.19	3/4"Ø x 3m PVC Blue-Pipe		lgths					
4.20	3/4"Ø x 90° PVC Elbow-Blue		pcs					
4.21	1"Ø x 3/4"Ø PVC Tee-Blue		pcs					
4.22	1"Ø x 1"Ø PVC Cross Tee-Blue		pcs					
4.23	1"Ø x 3/4"Ø PVC Reducer-Blue		pcs					
4.24	1"Ø PVC Coupling		pcs					
4.25	3/4"Ø PVC Coupling		pcs					
4.26	1" Ø PVC Cap Blue		pcs					
4.27	1" Ø PVC Union Blue		pcs					
4.28	1" Ø PVC Compression tee		pcs					
4.29	1" Ø PVC Compression coupling		pcs					
4.30	Copper Ball valve		pcs					
4.31	Solvent Cement - 400 CC		cans					
4.32	Tapellon 1/2"		rolls					
4.33	Sealant		qrt					
4.34	Water closet flush valve lever with bidet and complete accessories		set					
4.35	Urinal with complete accessories		set					
4.36	Lavatory with complete accessories		set					
4.37	Stainless Faucet		pcs					
4.38	Septic vault and Catch Basin (Labor and mat)		lot					
	Sub-total, 4.0 (PLUMBING WORKS)							
5.0	ELECTRICAL WORKS							
5.1	THHN Wire # 14 sq. mm.		meters					
5.2	THHN Wire #10 "Stranded"		rolls					
5.3	THHN Wire #12 "Stranded"		rolls					
5.4	THHN Wire #14 "Stranded"		rolls					
5.5	PVC Pipe 1/2" Ø		lgths					
5.6	PVC Pipe 3/4" Ø		lgths					
5.7	Conduit Pipe 3/4" Ø		lgths					
5.8	Conduit Elbow 3/4" Ø		pcs					
5.9	PVC Elbow 3/4" Ø		pcs					
5.10	PVC Elbow 1/2" Ø		pcs					
5.11	Utility Box		pcs					
5.12	Junction Box		pcs					

5.13	Moldflex 1/2" Ø		meters					
5.14	Moldflex 3/4" Ø		meters					
5.15	Service cap 3/4"		pcs					
5.16	Meter Socket 1 1/4" Ø		pc					
5.17	Pull-box 12"x12" "deep type"		pcs					
5.18	Circuit breaker panel board 60 A , Center main with plug-in branches 2-20A, 4 - 30A (Bolt-on)		sets					
5.20	Three gang universal outlet "flush type"		sets					
5.21	Ceiling Lights with receptacle		sets					
5.22	Ceiling Fan		sets					
5.24	Exhaust fan		sets					
5.25	Three gang switch "flush type"		sets					
5.26	Two gang switch "flush type"		sets					
5.28	Single gang switch "flush type"		sets					
5.29	Plastic Tape		rolls					
5.30	Rubber tape		rolls					
5.31	Secondary Pack "2 spool"		pc					
Sub-total, 5.0 (ELECTRICAL WORKS)								
6.0	MISCELLANEOUS WORKS							
	FOR ALL OTHER ITEMS that are not included on listed Bill of Quantities in your Bid but are reflected on the PLANS and specifications but are deemed necessary for the completion of the works and the delivery of the project and in full compliance with all the requirements of the occupancy permit.		lot					
Sub-total, 6.0 (Miscellaneous Works)				Total Material Cost	-	Total Labor Cost	-	
TOTAL DIRECT COST:								

PROJECT DURATION: 120 DAYS

B. CONSUMABLES	
C. SUPERVISION AND ADMINISTRATION	
D. TOTAL INDIRECT COST (B + C)	
E. TOTAL COST (A + D)	
F. VAT (12% of Item E)	
GRAND TOTAL OF PROJECT COST	