



National Power Corporation
INVITATION TO BID
SMALL VALUE PROCUREMENT 2023-005

1. The **NATIONAL POWER CORPORATION (NPC)**, through its approved Corporate Budget of **CY 2023** intends to apply the sum of (**Please see schedule below**) being the Approved Budget for the contract (ABC) to payments under the contract listed below. Bids received in excess of the ABC shall be automatically rejected at Bid opening.

	Ref. Nos./ PR Nos.	Description	Bid Submission/ Opening	ABC of the Project
1	MG-A5T23-009 SVP2023-AG5-016	SUPPLY AND DELIVERY, INSTALLATION, TEST & COMMISSIONING OF WATER TREATMENT FACILITY AT NPC NANGKA, BALO-I, LANA DEL NORTE & BARANGAY DITUCALAN, ILIGAN CITY, 60 CAL.DAYS	JULY 31, 2023 1:30PM	Php497,951.60
2	MG-A5M23-073 SVP2023-AG5-017	AG5 CONSTRUCTION OF STEEL STAIRWAY GOING TO SWITCHYARD AT NPC AGU5 5 HPP, DITUCALAN, ILIGAN CITY, 60 CAL. DAYS	JULY 31, 2023 1:30PM	Php830,768.37
3	MG-STS23-020 SVP2023-SSD-018	REPAIR AND REPAINTING OF EXISTING GUARD POST AT MARIA CRISTINA, ILIGAN CITY, 35 CAL. DAYS	JULY 31, 2023	Php599,565.88
4	MG-A5T23-010 SVP2023-AG5-019	CONSTRUCTION OF HAZARDOUS WASTE STORAGE FACILITY AT AGUS HPP, BARANGAY DITUCALAN, ILIGAN CITY, 60 CAL. DAYS	JULY 31, 2023 1:30PM	PhP1,000.000.00
5	MG-IPP23-012 SVP2023-IPP-020	SUPPLY OF LABOR, MATERIALS AND EQUIPMENT FOR THE REPAIR AND MAINTENANCE OF BUILDING (HOUSING QUARTER NO.28B) NPC COMPOUND, DITUCALAN, ILIGAN CITY, 50 CAL. DAYS	JULY 31, 2023 1:30PM	Php799,988.37
6	MG-CEN23-007 SVP2023-CMT-021	REPAIR OF NPC HOUSING UNITS NO.28A & 28A BASEMENT, NPC COMPOUND, BARANGAY DITUCALAN, ILIGAN CITY, 60 CALENDAR DAYS	JULY 31, 2023 1:30PM	Php999,998.87
7	MG-ADM23-036 SVP2023-ADM-022	REPAIR OF TRANSFORMER SHED, NPC COMPOUND, DITUCALAN, ILIGAN CITY, 30 CAL. DAYS	JULY 31, 2023 1:30PM	Php216,000.00

2. NPC now invites Bids for Items listed above. Delivery of the Items are required within the contract period specified in the Technical Specifications. The Bidder must have completed a single contract that is similar to this Project, equivalent to an amount as stated in the Request for Quotation.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" pursuant to RA 9184 and its Revised IRR.
4. Interested bidders may obtain further information from the **BAC Secretariat, Contracts Management Office, Logistics Division** at the address given below during office hours, 8:00 AM to 5:00 PM Monday to Friday. A complete set of Request for Quotation (RFQ) may be secured by interested bidders free of charge from the address below.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGeps) <https://www.philgeps.gov.ph/> or the website of National Power Corporation <https://www.napocor.gov.ph/BCSD/bids.php>

5. Bids must be delivered to the address below on or before the date stated above. Late bids shall not be accepted.
6. NPC reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or Bidders.
7. For further information, please refer to:

BAC SECRETARIAT
Contracts Management Office, Logistics Division
NPC Mindanao Generation
Maria Cristina, Iligan City
Tel. No.: (063) 222-3459
Fax No.: (063) 223-4604
E-mail Add.: logistics_afd_mingen@napocor.gov.ph

REYMANTE T. CIRUELA
Chairman, Bids and Awards Committee
Mindanao Generation Headquarters

Date of Publication: **July 22, 2023**

**REPAIR AND REPAINTING OF EXISTING GUARD POST AT MINGEN HQ, BRGY. MARIA
CRISTINA, ILIGAN CITY**

Section VI. Specifications

PROJECT HIGHLIGHTS

PH 1.0 GENERAL

The project is funded by NPC Mindanao Generation. This project aims to repair and repaint existing guard post of NPC MinGen. This is also preserve and improve the assets of NPC.

The Contractor shall furnish all labor, materials, equipment, tools and other incidental matters necessary to complete the works in accordance with the contracts and approved detailed engineering activities; and other existing laws, rules and regulations relative thereto.

PH 2.0 PROJECT LOCATION

The project is located at MinGen HQ, Maria Cristina, Iligan City.

PH 3.0 SCOPE OF WORK

The works and services to be performed by the Contractor for this undertaking shall essentially consist of, but not limited to the Repair And Repainting Of Existing Guard Post At Mingen HQ, Brgy. Maria Cristina, Iligan City with the following scope of works:

- I. MOBILIZATION
- II. CONSTRUCTION SAFETY & HEALTH PROGRAM
- III. REMOVAL AND DISPOSAL WORKS (PARAPET, COLUMNS, COMFORT ROOM)
- IV. EXCAVATION WORKS
 - a. STRUCTURE EXCAVATION
 - b. EMBANKMENT FROM STRUCTURE EXCAVATION
- V. MASONRY/PLASTER WORKS
- VI. REINFORCEMENT STEEL (DEFORMED, GRADE 40)
- VII. STRUCTURAL CONCRETE
- VIII. TILE WORKS
- IX. PAINTING WORKS
- X. ROOF AND ROOF FRAMING
- XI. CEILING, FIBER CEMENT BOARD ON METAL FRAME
- XII. METAL STRUCTURE
- XIII. WINDOWS AND DOORS
- XIV. PLUMBING WORKS
- XV. ELECTRICAL WORKS
- XVI. CLEAN-UP WORKS AND DEMOBILIZATION
- XVII. DEMOBILIZATION

PH 4.0 CONTRACT PERIOD

The contractor shall complete the works as specified in Clause 3 within **Thirty-Five(35) calendar days**. The total contract duration is inclusive of six (6) unworkable days considered unfavorable for the execution of work at site. The contract period

Section VI Specifications

PROJECT HIGHLIGHTS

VI.1 GENERAL

The project is funded by NRC Minnesota (Minnesota). This project aims to repair and repaint existing guard post of NRC Minn. This is also preserve and improve the appearance of NRC.

The Contractor shall furnish all labor, materials, equipment, tools and other incidentals necessary to complete the work in accordance with the contract and approved detailed engineering drawings and other existing laws, rules and regulations relative thereto.

VI.2 PROJECT LOCATION

The project is located at MINGEN HO, BANGKOK, THAILAND.

VI.3 SCOPE OF WORK

The work and services to be performed by the Contractor for this undertaking shall be limited to the repair and painting of existing guard post, but not limited to the repair and painting of existing guard post. The Contractor shall also be responsible for the following work items:

- I. MOBILIZATION
- II. CONSTRUCTION SAFETY & HEALTH PROGRAM
- III. REMOVAL AND DISPOSAL WORKS (PARAPET, COLUMN, COMFORT ROOM)
- IV. EXCAVATION WORKS
 - a. STRUCTURE EXCAVATION
 - b. EMBANKMENT FROM STRUCTURE EXCAVATION
- V. MASONRY/PLASTER WORKS
- VI. REINFORCEMENT STEEL (REINFORCING BARS)
- VII. STRUCTURAL CONCRETE
- VIII. TIE WORKS
- IX. PAINTING WORKS
- X. ROOF AND ROOF FRAMING
- XI. CEILING, FIBER CEMENT BOARD & METAL FRAME
- XII. METAL STRUCTURE
- XIII. WINDOWS AND DOORS
- XIV. PLUMBING WORKS
- XV. ELECTRICAL WORKS
- XVI. CLEAN-UP WORKS AND DEMOLITION
- XVII. DEMOBILIZATION

VI.4 CONTRACT PERIOD

The contractor shall complete the work within the period of 90 days. The contractor shall also be responsible for the following work items: The contractor shall also be responsible for the following work items: The contractor shall also be responsible for the following work items:

REPAIR AND REPAINTING OF EXISTING GUARD POST AT MINGEN HQ, BRGY. MARIA CRISTINA, ILIGAN CITY

shall be reckoned from the date of contract effective as specified in the Notice to Proceed.

PH 5.0 CONTRACTOR'S CLASSIFICATION

The Contractor must have a valid Philippine Contractors Accreditation Board (PCAB) license of at least **Category Trade/E** with inter-agency classification and registration of at least **Small A-Building or Industrial Plant**.

The Contractor must have undertaken similar contracts that involves construction/rehabilitation/expansion of commercial, industrial or office building provided that the contract cost shall be at least equivalent to 50% of ABC.

PH 6.0 MINIMUM REQUIRED PERSONNEL

1 - Construction Foreman

(A B.S. Civil Engineering Graduate with at least three (3) years experience in similar works or a Civil Engineering Technology Graduate with at least five (5) years experience in similar works) or if non-graduate, at least five (5) years working experience as Construction Foreman in similar works.

1 - Welder

(NC II Certificate and must have at least three (3) years experience in related works)

1 - Electrician

(NC II Certificate and must have at least three (3) years experience in related works)

1 - Plumber

(Must have at least three (3) years experience in related works)

Valid Professional Regulation Commission (PRC) license for professional personnel; Certificate of Training with accreditation from DOLE for the Construction Safety & Health Officer; Diploma and/or Service Record/Certificate of Employment of previous and/or current employer for Construction Foreman and Electrician, shall be submitted and included as an attachment in the Standard Form *NPCSF-INFR-09: List of Key personnel Proposed to be Assigned to the Contract*.

Project Engineer or Foreman and Construction Safety & Health Officer maybe one person, as long as he meets the requirements of the two positions. Provided however, that there is no overlapping of projects undertaken by the same contractor and supervised by the same person.

The above key personnel must be either employed by the applicant or contracted by the applicant to be employed for the contract to be bid.

REPAIR AND REPAINTING OF EXISTING GUARD POST AT MINGEN HQ, BRGY. MARIA
CRISTINA, ILIGAN CITY

PH 7.0 MINIMUM REQUIRED CONSTRUCTION EQUIPMENT
(Owned or Leased)

<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>
Welding Machine	300 Amp.	One (1)
Cutting Outfit		One (1)

REPORT AND REPAIRING OF EXISTING GUARD POST AT MINGEN RD, BRGY. MARIA CRISTINA, LILIAN CITY

PH 7 MINIMUM REQUIRED CONSTRUCTION EQUIPMENT
(Owned or Leased)

Equipment	Quantity	Number of Units
Welding Machine	200 mm	1 set
Cutting Torch		1 set

SECTION VIII - BILL OF QUANTITIES

PR #: MG-PDD22-001

BILL OF QUANTITIES

Item No.	Description of Work or Materials	Unit	Estimated Quantity	Unit Price in Pesos (Words and Figures)	Total Amount
I.	CONSTRUCTION SAFETY AND HEALTHY PROGRAM	lot	1.00	(PHP)	
II.	REMOVAL AND DISPOSAL (PARAPET, COLUMNS, COMFORT ROOM)	lot	1.00	(PHP)	
III.	EXCAVATION WORKS	cu.m.	4.71	(PHP)	
IV.	REINFORCING STEEL (DEFORMED, GRADE 40)	kgs	436.63	(PHP)	
V.	STRUCTURAL CONCRETE, Class A	cu. m.	5.08	(PHP)	
VI.	MASONRY AND PLASTER WORKS	sq.m.	60.35	(PHP)	
VII.	ROOFING AND ROOF FRAMING	kgs	477.80	(PHP)	
VIII.	TILE WORKS	cu.m.	45.89	(PHP)	
IX.	CEILING, FIBER CEMENT BOARD ON METAL FRAME	sq.m.	86.04	(PHP)	
X.	METAL STRUCTURE	kgs	224.15	(PHP)	
XI.	WINDOWS AND DOORS	lot	1.00	(PHP)	
XII.	PLUMBING WORKS	lot	1.00	(PHP)	
XIII.	ELECTRICAL WORKS	lot	1.00	(PHP)	
XIV.	PAINTING WORKS	sq.m.	318.22	(PHP)	

Name of Firm

Name and Signature of Authorized Representative

Designation

Page 1

Report of the Committee on the

State of the Union

THE BUILDING DEPARTMENT

1900

Report of the Committee on the State of the Union

1900

THE ELECTRICAL DEPARTMENT

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THE STEAMSHIP DEPARTMENT

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THE MARITIME DEPARTMENT

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THE RAILROAD DEPARTMENT

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THE PORT DEPARTMENT

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THE LUMBER DEPARTMENT

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THE MINING DEPARTMENT

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THE AGRICULTURE DEPARTMENT

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THE FOREST DEPARTMENT

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THE WILDERNESS DEPARTMENT

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THE FISH DEPARTMENT

1900

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1900

THE GAME DEPARTMENT

1900

Report of the Committee on the State of the Union

1900

THE BIRD DEPARTMENT

1900

Report of the Committee on the State of the Union

1900

Year	Amount	Percentage
1900	100	100

Year	Amount	Percentage
1900	100	100

Year	Amount	Percentage
1900	100	100

Year	Amount	Percentage
1900	100	100

Year	Amount	Percentage
1900	100	100

Year	Amount	Percentage
1900	100	100

Year	Amount	Percentage
1900	100	100

Year	Amount	Percentage
1900	100	100

Report of the Committee on the

State of the Union

1900

NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE SPECIFIED.

ACU PREPARATION
OPENING
0.60m x0.60m

2" x 2" G.A. #10
CYCLONE WIRE
2"Ø G.I. PIPE (DARK
SEAL PAINT FINISHED)

DARK SEAL GRAY PAINT
FINISH (SEMI GLOSS)

2"x 2"x1.5mm THK. RECTUBE
SPACED @ 0.10m (SEE DETAIL)

DARK SEAL GRAY PAINT
FINISH (SEMI GLOSS)

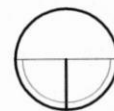
2 PANEL JAILOUSIE GLASS
WINDOW WITH COMPLETE
ACCESSORIES

DARK SEAL GRAY PAINT
FINISH (SEMI GLOSS)

WHITE PAINT FINISHED
(SEMI-GLOSS)




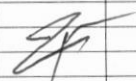


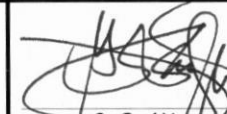

REPAIR & REPAINTING OF
EXISTING GUARD POST



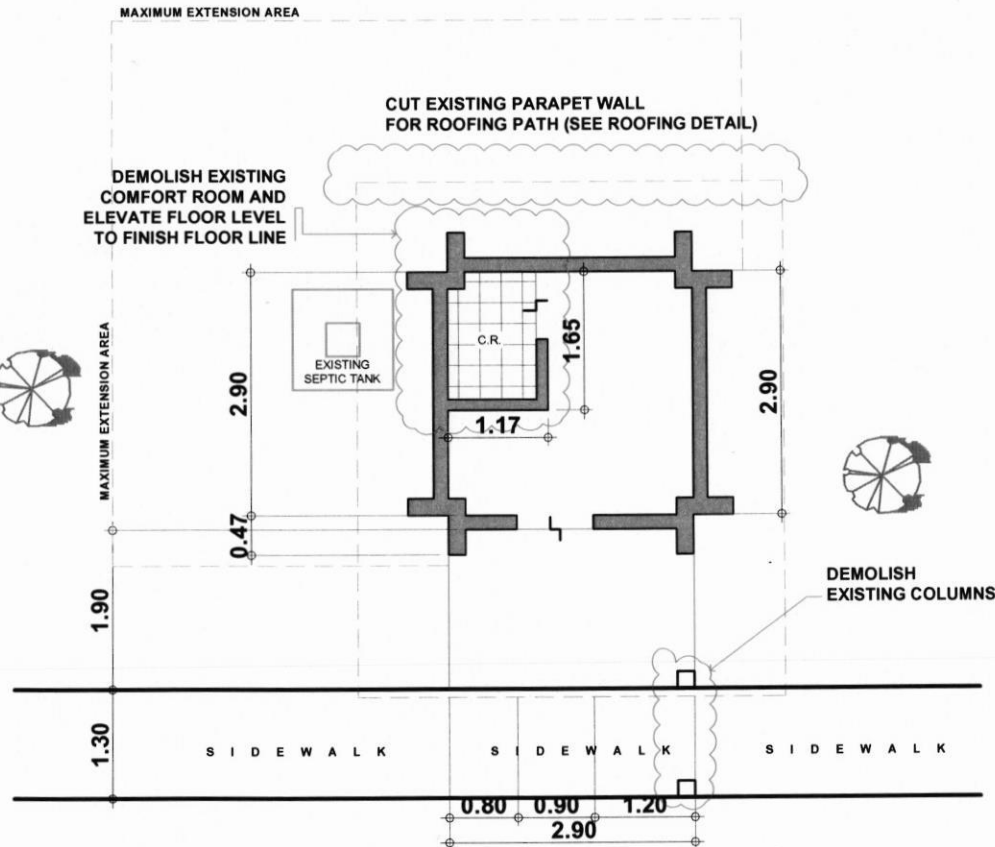
PERSPECTIVE

SCALE

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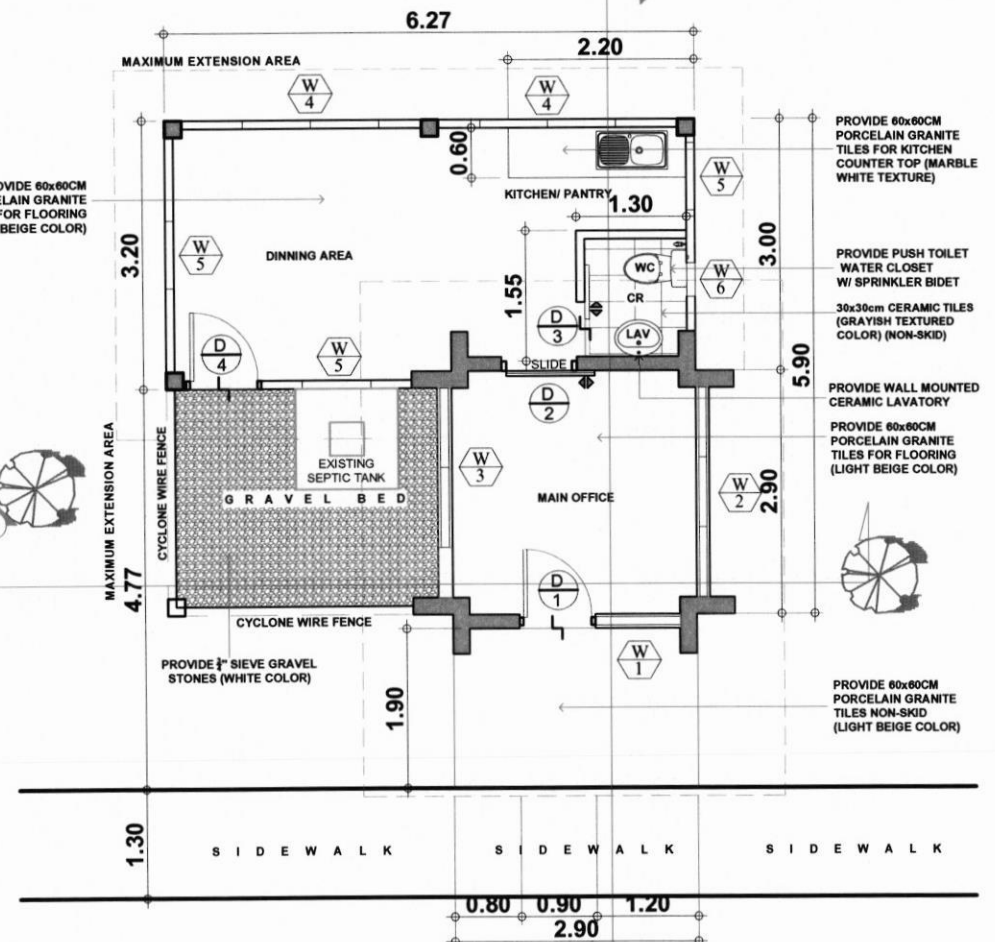
 CDD	PROJECT TITLE:	DWG #: P139-MARCH2023	PREPARED BY:	CHECKED	DATE	SUBMITTED BY:	CONCURRED BY:	RECOMMENDED BY:	APPROVED BY:	SHEET NO.
	REPAIR AND REPAINTING OF EXISTING GUARD POST		CAD	ADGIII		 M.M. PAUTE OIC-DIV. MANAGER, POPDEM, CDD	 A. C. SERENAS, JR. DIVISION MANAGER, SSD	 G. S. ALI DEPARTMENT MANAGER, CDD	 ATTY. E. L. RAMIREZ OIC-VICE PRESIDENT, MinGen	A 2
			ARCH'L	WPL						SET NO.
			CIVIL	(JMA)						2 17
LOCATION: MINGEN HQ, BRGY. MA. CRISTINA, ILAGAN CITY		MECH'L								
		ELECT'L								
		REV. #:								

NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE SPECIFIED.



EXISTING FLOOR PLAN

SCALE 1 : 90 m.



NEW PLAN LAYOUT

SCALE 1 : 90 m.



CDD

PROJECT TITLE: DWG #: P139-MARCH2023

REPAIR AND REPAINTING OF
EXISTING GUARD POST

LOCATION: MINGEN HQ, BRGY. MA. CRISTINA, ILAGAN CITY

PREPARED BY:

CAD ARCH'L. ADGIII
CIVIL WPL
MECH'L. JMA
ELECT'L.
REV. #:

CHECKED

DATE

SUBMITTED BY:

M.M. PAUTE
OIC-DIV. MANAGER, PDPEMD, CDD

CONCURRED BY:

A. C. SERENTAS, JR.
DIVISION MANAGER, SSD

RECOMMENDED BY:

G. S. ALI
DEPARTMENT MANAGER, CDD

APPROVED BY:

ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MinGen

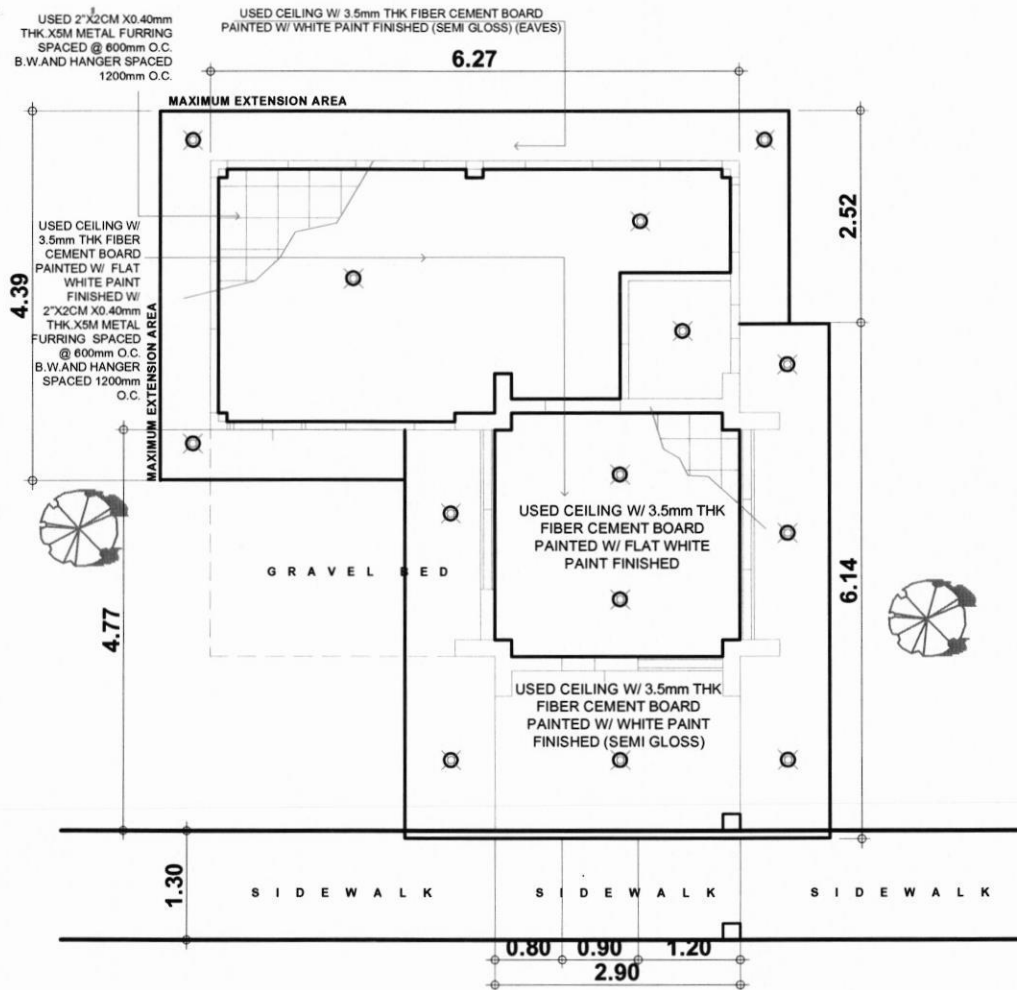
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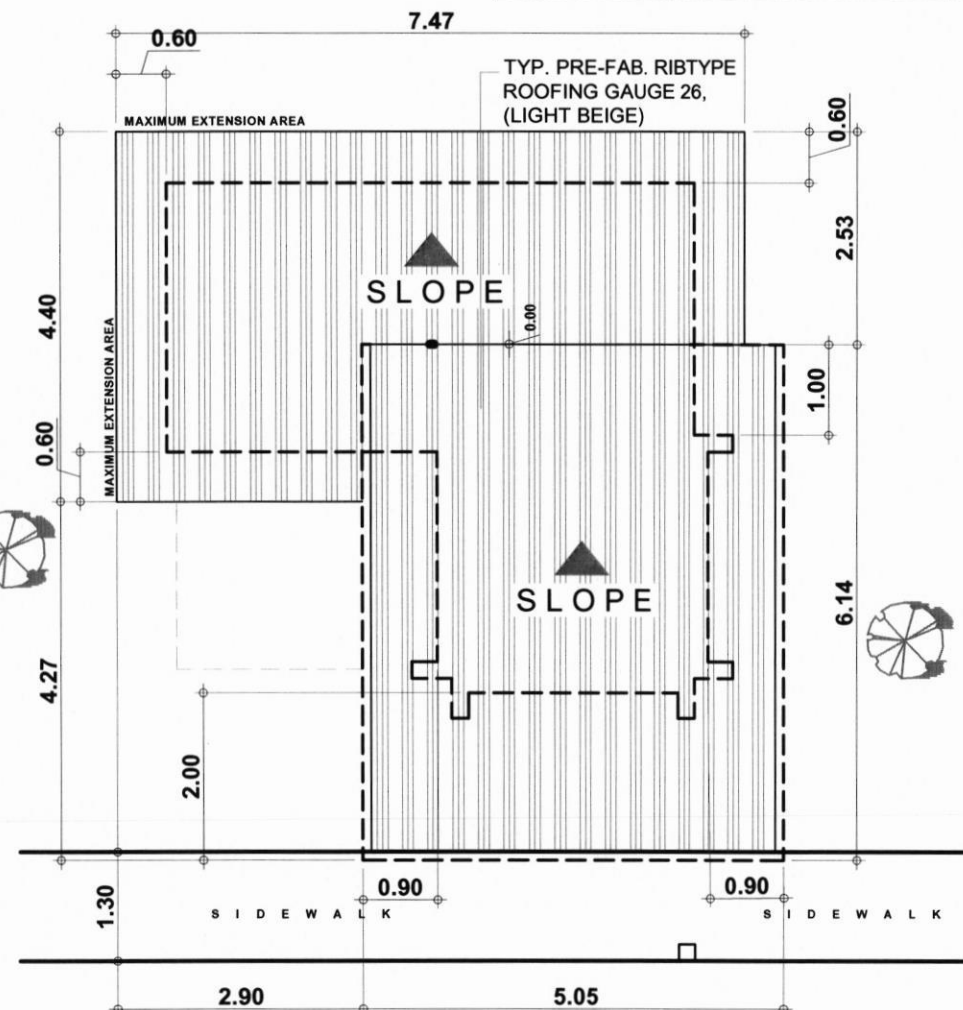
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REFLECTED CEILING PLAN

SCALE

1 : 90 m.



ROOF PLAN

SCALE

1 : 90 m.



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CIVIL
MECH'L.
ELECT'L.
REV. #:

ADGIII
WPL
JMA

CHECKED

DATE

SUBMITTED BY:

M.M.PAUTE
OIC-DIV. MANAGER, POPDEMO, CDD

CONCURRED BY:

A. C. SERENTAS, JR.
DIVISION MANAGER, SSD

RECOMMENDED BY:

G. S. ALI
DEPARTMENT MANAGER, CDD

APPROVED BY:

ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MinGen

SHEET NO.

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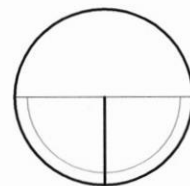
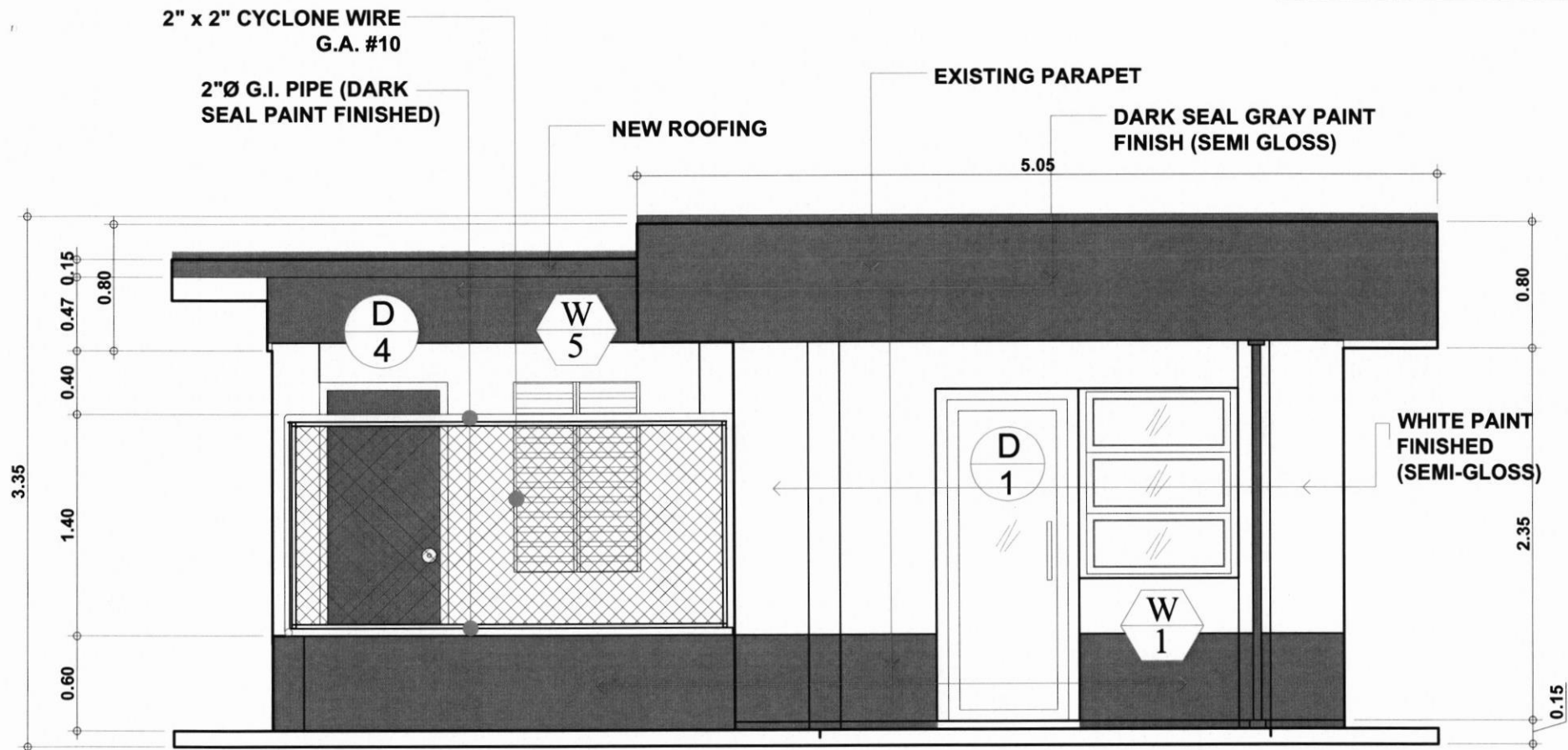
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FRONT ELEVATION

SCALE

1:40 MTS.



CDD

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PREPARED BY:

CAD ARCH'L. ADGIII
CIVIL WPL
MECH'L. JMA
ELECT'L.
REV. #:

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SUBMITTED BY:

M.M. PAUTE
OIC-DIV. MANAGER, POPDEMD, CDD

CONCURRED BY:

A. C. SERENTAS, JR.
DIVISION MANAGER, SSD

RECOMMENDED BY:

G. S. ALI
DEPARTMENT MANAGER, CDD

APPROVED BY:

ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MinGen

SHEET NO.

A 5

SET NO.

5 17

**PRE.FAB RIB TYPE
— ROOFING G.A. #26 (LIGHT
BEIGE COLOR)**

**DARK SEAL GRAY PAINT
FINISH (SEMI GLOSS)**

5.05

7.54

0.80

2.45

**WHITE PAINT
FINISHED
(SEMI-GLOSS)**

0.60

$$\frac{W}{4}$$

4

**DARK SEAL GRAY PAINT
FINISH (SEMI GLOSS)**

REAR ELEVATION

SCALE

1:40 MTS.



DWG #: P139-MARCH2023

LOCATION:	MINGEN HQ, BRGY. MA. CRISTINA, ILIGAN CITY
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ADGIII
WPL
JMA

DATE _____

M.M. PAUTE
OIC-DIV. MANAGER, PDPDEMD, CDD

A. C. SERENTAS, JR
DIVISION MANAGER, SSD

G. S. All
DEPARTMENT MANAGER, ODD

ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MinGen

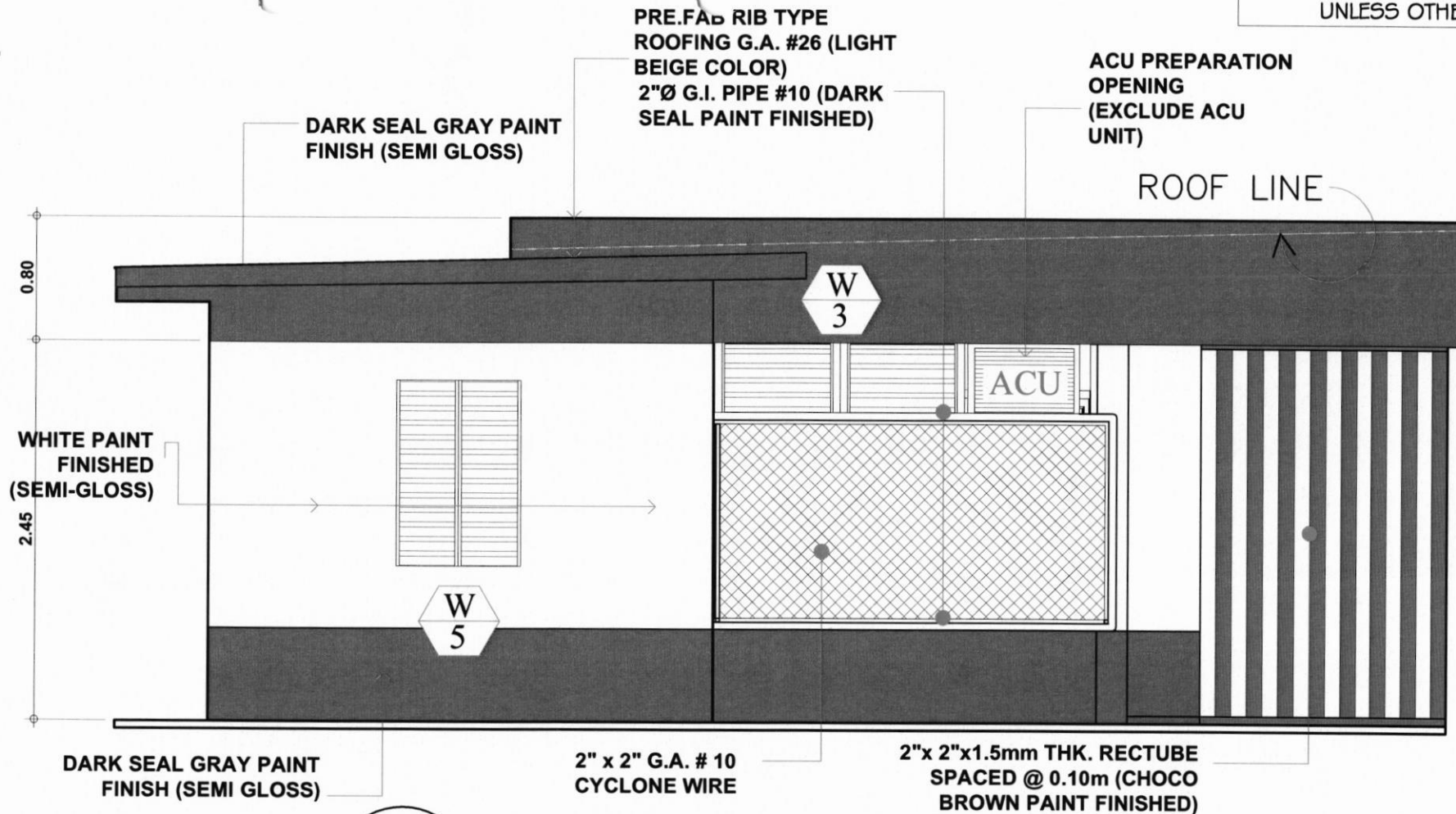
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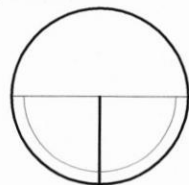
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LEFT SIDE ELEVATION



SCALE

1:40 MTS.



CDD

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REPAIR AND REPAINTING OF
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PREPARED BY:

CAD
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CIVIL
MECH'L.
ELECT'L.
REV. #:

ADGIII
WPL
JMA

CHECKED

DATE

SUBMITTED BY:

M.M. PAUTE
OIC-DIV. MANAGER, POPDEMD, CDD

CONCURRED BY:

A. C. BERENTAS, JR.
DIVISION MANAGER, SSD

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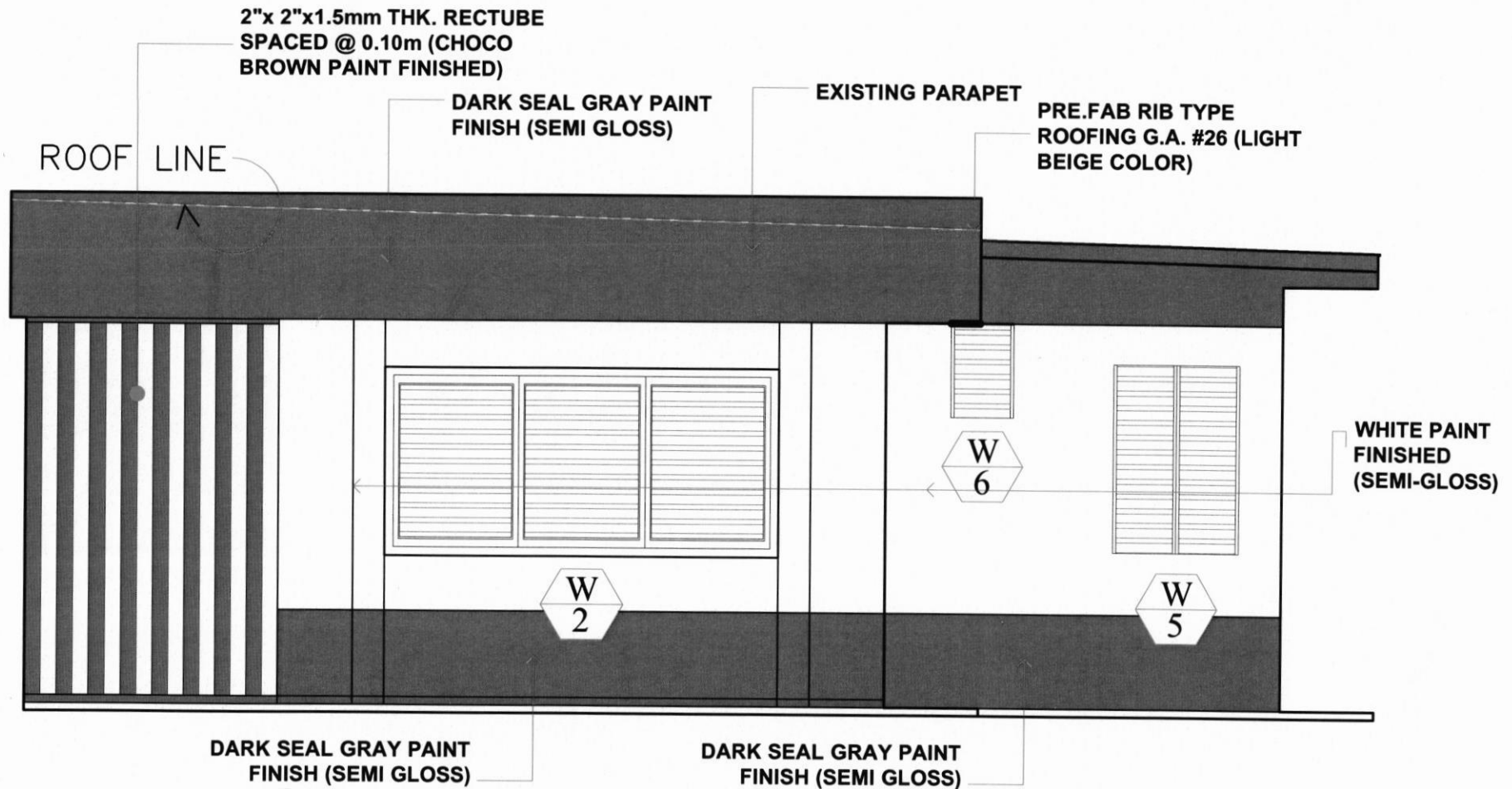
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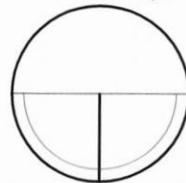
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DARK SEAL GRAY PAINT
FINISH (SEMI GLOSS)

DARK SEAL GRAY PAINT
FINISH (SEMI GLOSS)



RIGHT SIDE ELEVATION

SCALE

1:40 MTS.



CDD

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M.M. PAUTE
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RECOMMENDED BY:

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DEPARTMENT MANAGER, CDD

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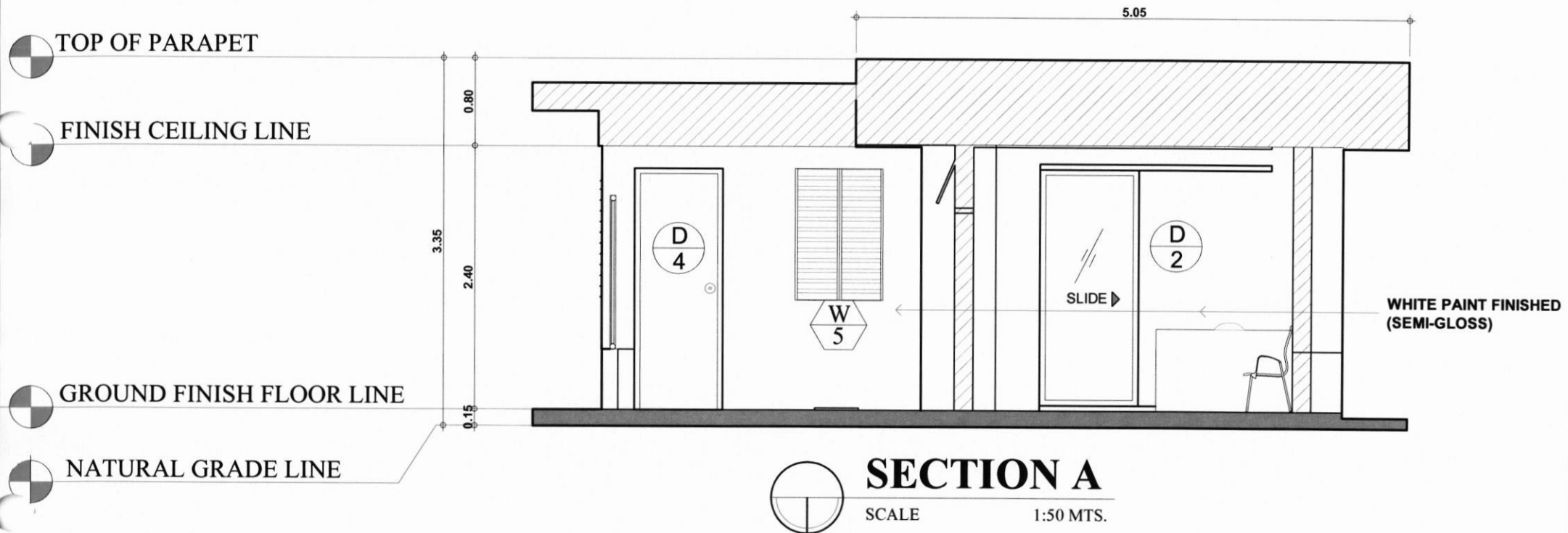
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EXISTING GUARD POST

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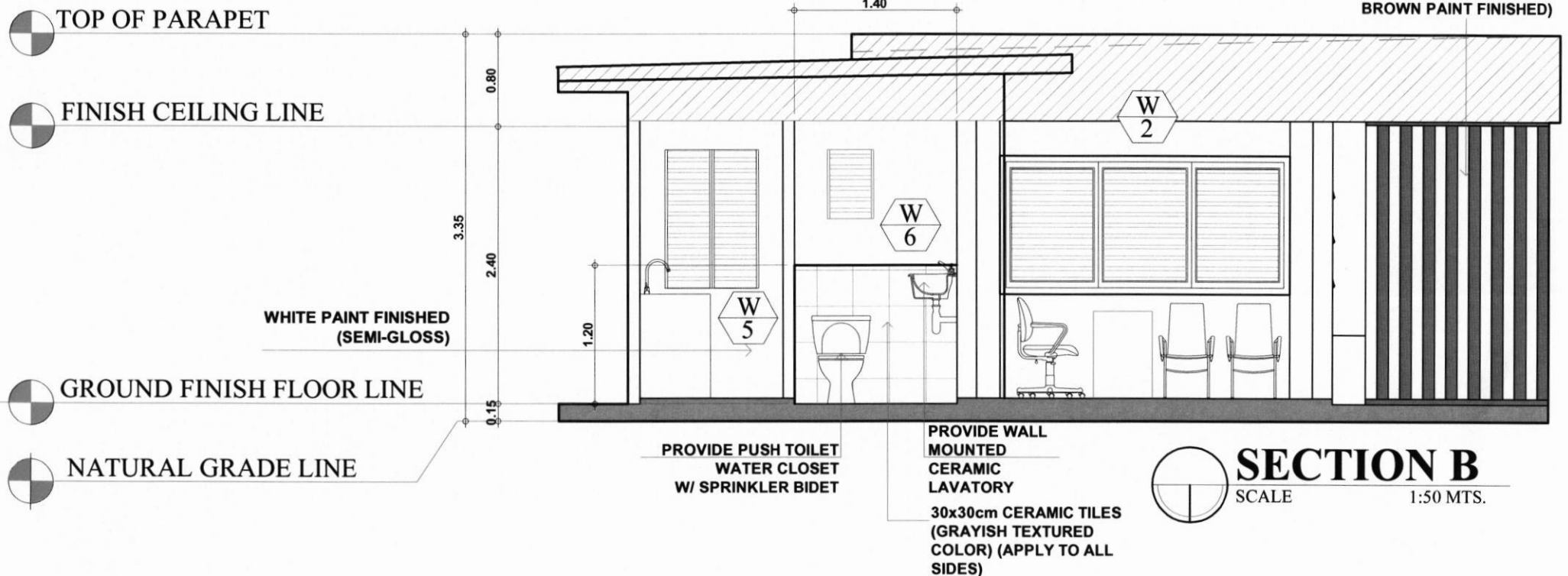
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CHECKED

DATE

SUBMITTED BY:

M.M. PAUTE
OIC-DIV. MANAGER, PDPDEMO, CDD

CONCURRED BY:

A. C. SERENTAS, JR.
DIVISION MANAGER, SSD

RECOMMENDED BY:

G. S. ALI
DEPARTMENT MANAGER, CDD

APPROVED BY:

ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MinGen

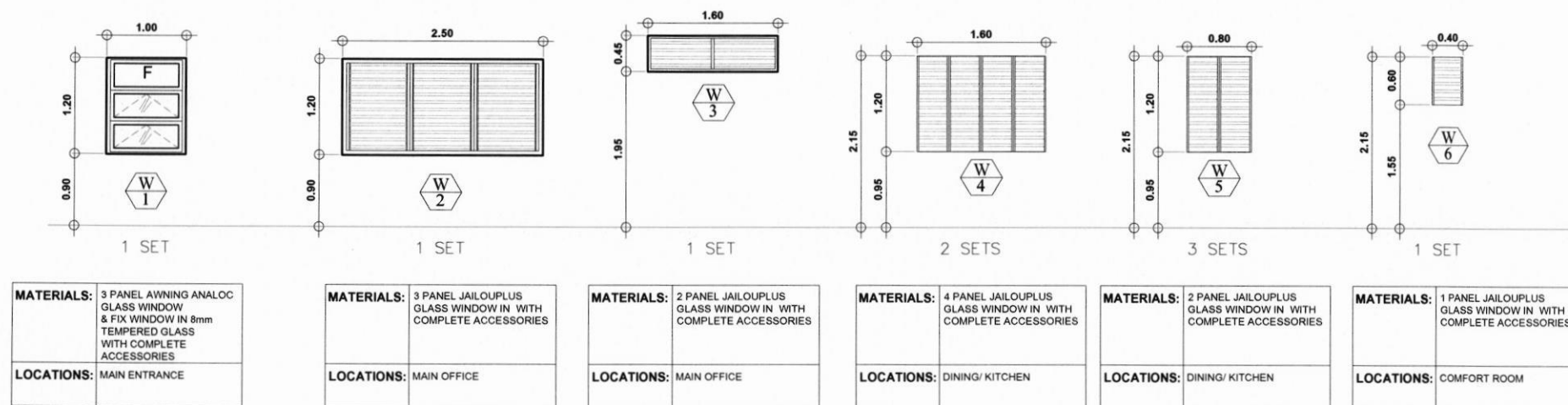
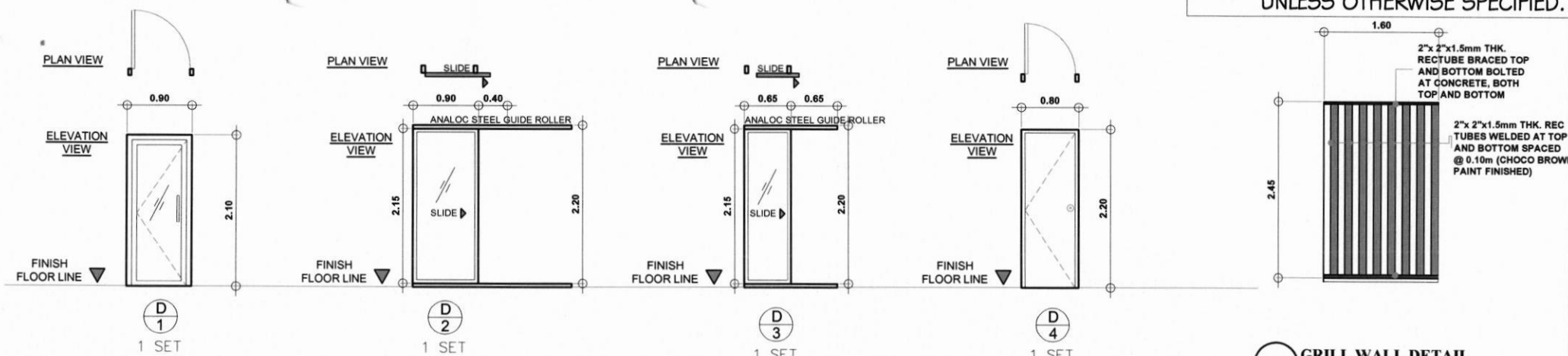
SHEET NO.

A 10

SET NO.

10 17

NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE SPECIFIED.



DOOR & WINDOW SCHEDULES

SCALE

1:80 MTS.



CDD

PROJECT TITLE: DWG #: P139-MARCH2023

REPAIR AND REPAINTING OF
EXISTING GUARD POST

LOCATION: MINGEN HQ, BRGY. MA. CRISTINA, IILGAN CITY

PREPARED BY:

CAD ARCH'L. ADGIII
CIVIL WPL
MECH'L. JMA
ELECT'L.
REV. #:

CHECKED

DATE

SUBMITTED BY:

M.M. PAUTE
OIC-DIV. MANAGER, POPDEM, CDD

CONCURRED BY:

A.C. SERENTAS, JR.
DIVISION MANAGER, SSD

RECOMMENDED BY:

G.S. AU
DEPARTMENT MANAGER, CDD

APPROVED BY:

ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MinGen

SHEET NO.

A 11

SET NO.

1117

2

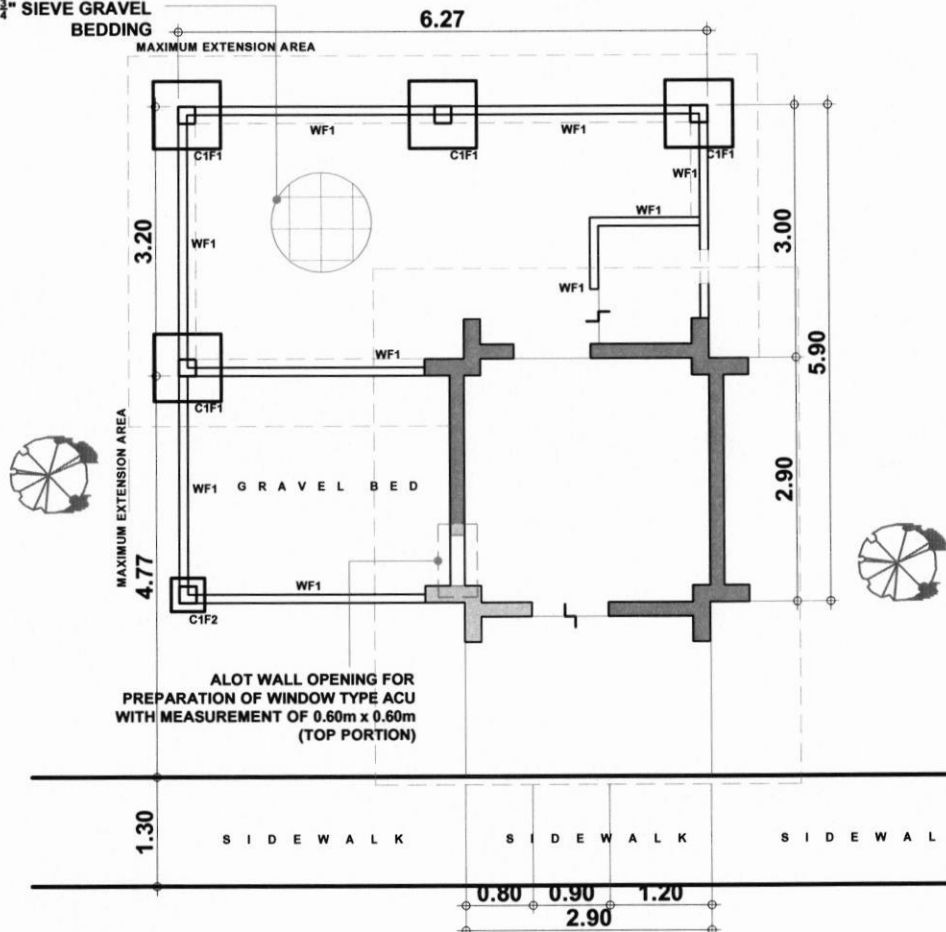
10/10/10
10/10/10
10/10/10

USE 12mm MATTING BARS
SPACED @ 0.40m O.C.B.W. w/
0.10m THK CONCETE SLAB &
50mm THK $\frac{3}{4}$ " SIEVE GRAVEL
BEDDING

LEGEND:

EXISTING WALL/ STRUCTURES

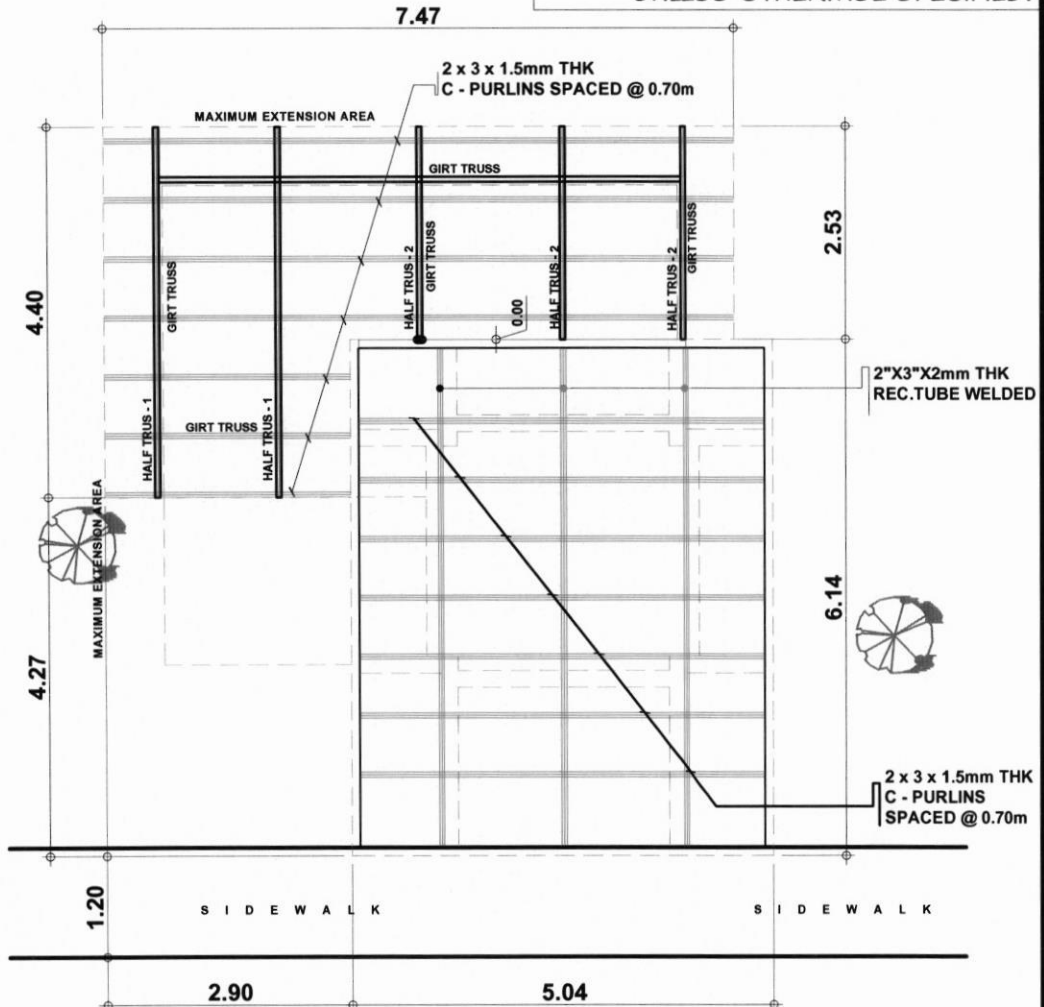
NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE SPECIFIED.



FOUNDATION PLAN

SCALE

1 : 90 m.



ROOF FRAMING LAYOUT

SCALE

1 : 90 m.



CDD

PROJECT TITLE: DWG #: P139-MARCH2023

REPAIR AND REPAINTING OF
EXISTING GUARD POST

LOCATION: MINGEN HQ, BRGY. MA. CRISTINA, ILAGAN CITY

PREPARED BY:

CAD ARCH'L. ADGIII
CIVIL WPL
MECH'L. JMA
ELECT'L.

REV. #:

CHECKED

DATE

SUBMITTED BY:

M.M. PAUTE
OIC-DIV. MANAGER, PDPDEND, CDD

CONCURRED BY:

A. C. SERENTAS, JR.
DIVISION MANAGER, SSD

RECOMMENDED BY:

G. S. ALI
DEPARTMENT MANAGER, CDD

APPROVED BY:

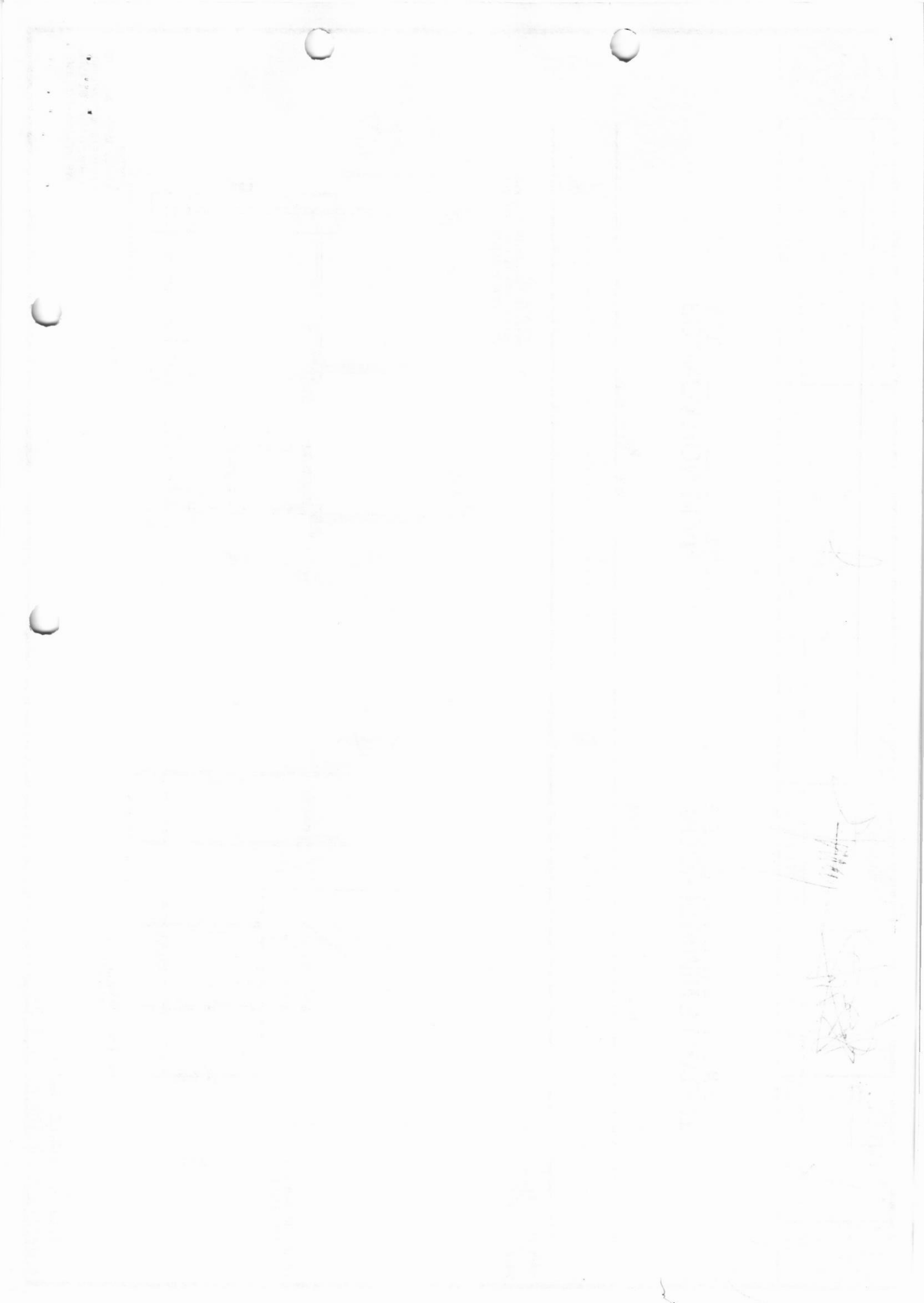
ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MinGen

SHEET NO.

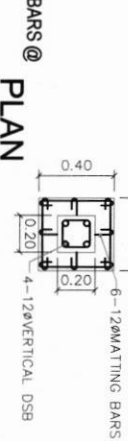
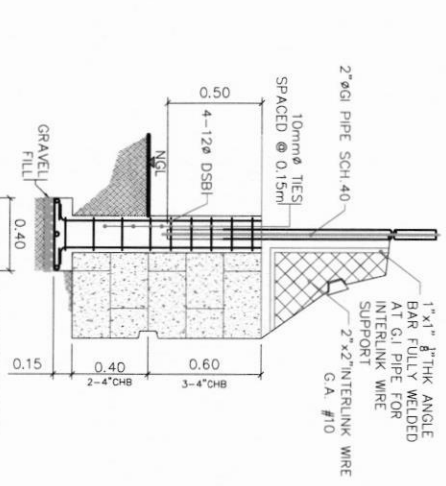
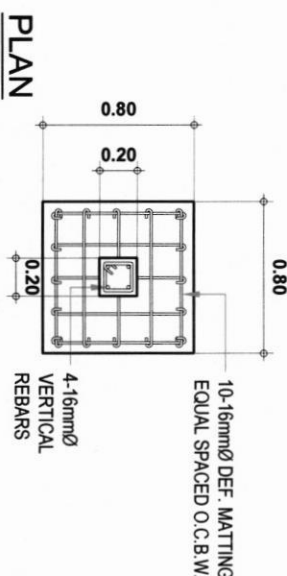
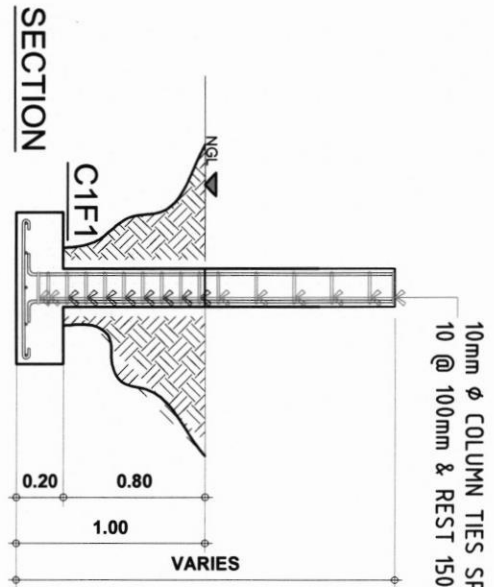
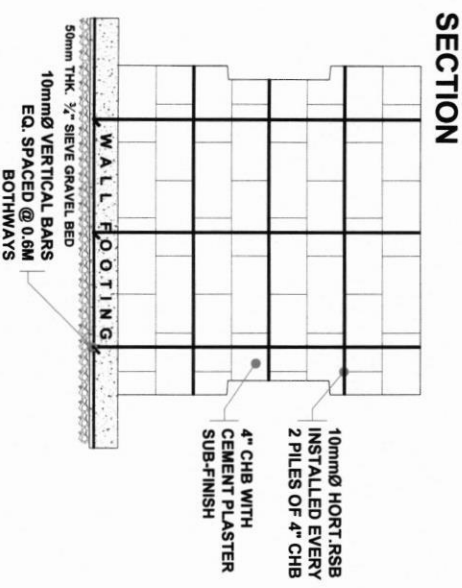
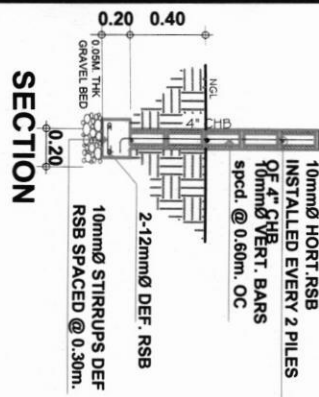
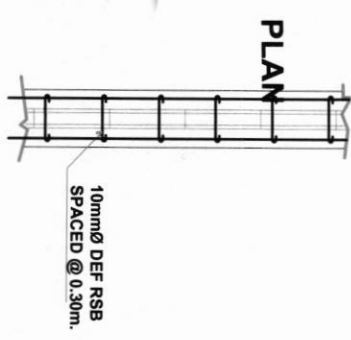
51

SET NO.

1217




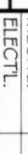
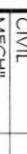




NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE SPECIFIED.



4" CHB LAYOUT & WALL
FOOTING DETAIL (TYP.)
SCALE 1:40 M.

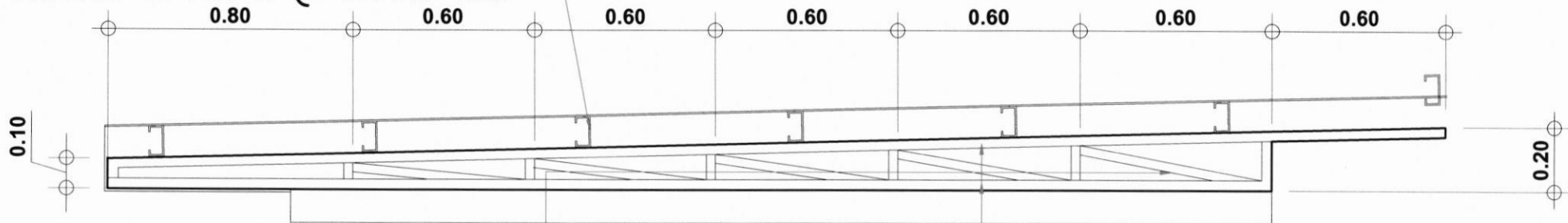
COLUMN FOOTING DETAIL - 1
SCALE 1:40 MTS.

COLUMN FOOTING DETAIL - 2
SCALE 1:40 MTS.

		PROJECT TITLE:		DWG #: P-139-MARCH2023	
REPAIR AND REPAINTING OF EXISTING GUARD POST		PREPARED BY:		CHECKED	DATE
		CAD	ADGIII		
		ARCHT.	WPL		
		CIVIL	JMA		
		MECHTL.			
ELECTL.					
REV. #:					
LOCATION: MINGEN HQ, BRGY. MA, ORIENTAL LUSAN CITY		SUBMITTED BY:		CONCURRED BY:	
					
		M.M. PAULIE OIC-DIV. MANAGER, PRODDMO, CDD		A.C. SERENTAS, JR. DIVISION MANAGER, SSD	
		RECOMMENDED BY:		APPROVED BY:	
					
		G. S. ALI DEPARTMENT MANAGER, CDD		ATTY. E. L. RAMIREZ OIC-VICE PRESIDENT, Mingem	
SHEET NO.		5		2	
SET NO.		13		17	

2 x 1.5mm THK
C - PURLINS SPACED @ 0.70m O.C.

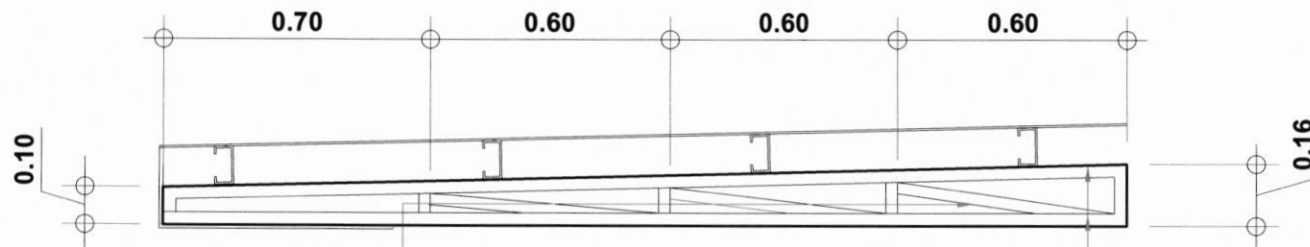
NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE SPECIFIED.



1" x 1" x $\frac{1}{8}$ " THK ANGLE
BAR (WEB MEMBERS)

1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x $\frac{1}{4}$ " THK ANGLE
BAR (TOP, BOTTOM, SIDES)

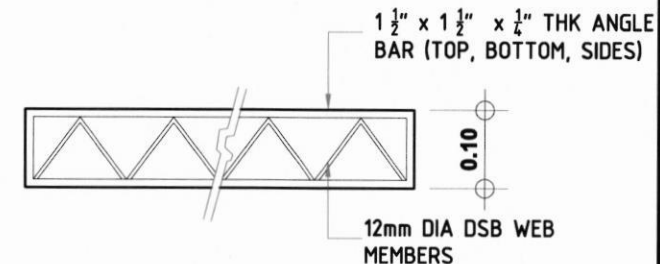
HALF - TRUSS 1
SCALE 1: 60 M



1" x 1" x $\frac{1}{8}$ " THK ANGLE
BAR (WEB MEMBERS)

1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x $\frac{1}{4}$ " THK ANGLE
BAR (TOP, BOTTOM, SIDES)

HALF - TRUSS 2
SCALE 1: 60 M



GIRT DETAIL
SCALE 1: 60 M



CDD

PROJECT TITLE: DWG #: P139-MARCH2023

REPAIR AND REPAINTING OF
EXISTING GUARD POST

LOCATION: MINGEN HQ, BRGY. MA. CRISTINA, ILAGAN CITY

PREPARED BY:

CAD ADGIII
ARCH'L. WPL
CIVIL JMA
MECH'L.
ELECT'L.
REV. #:

CHECKED

DATE

SUBMITTED BY:

M.M. PAUTE
OIC-DIV. MANAGER, PDPDMD, CDD

CONCURRED BY:

A. C. BERENTAS, JR.
DIVISION MANAGER, SSD

RECOMMENDED BY:

G. S. ALI
DEPARTMENT MANAGER, CDD

APPROVED BY:

ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MinGen

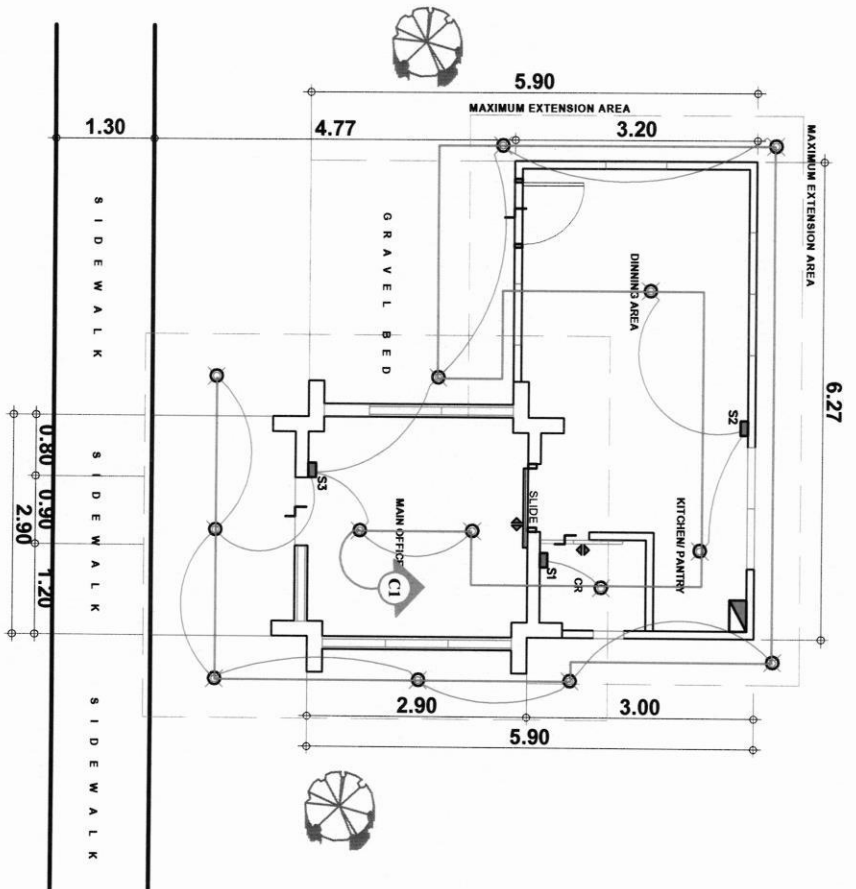
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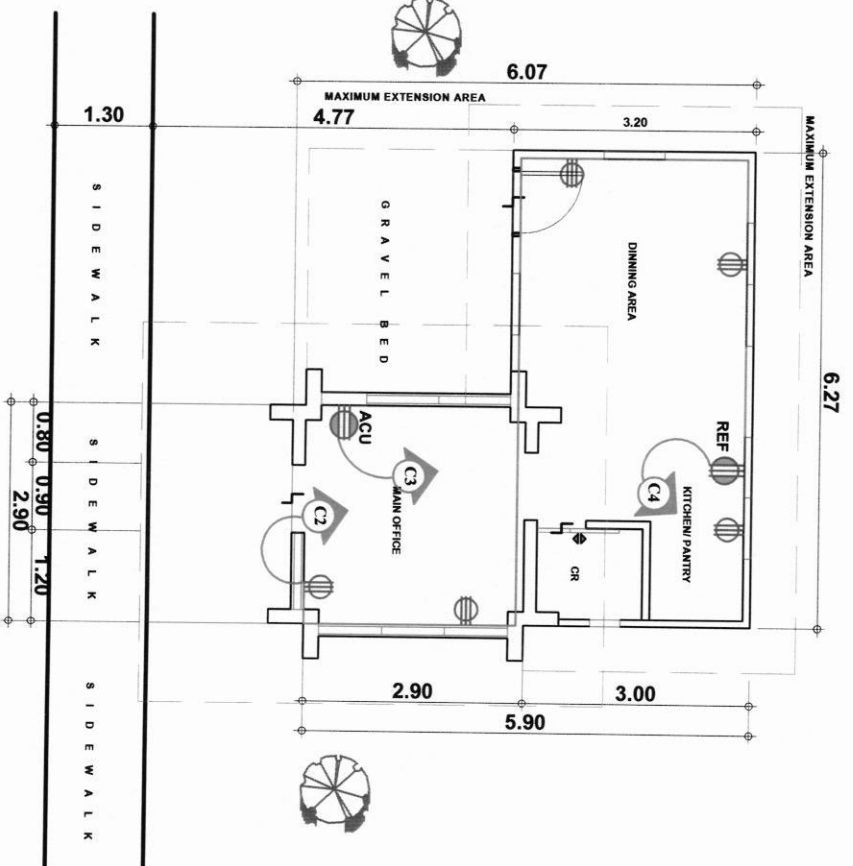
SET NO.

14 17


NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE SPECIFIED.



LIGHTING LAYOUT PLAN
SCALE 1 : 100m.



POWER LAYOUT PLAN
SCALE 1 : 100m.

 CDD		PROJECT TITLE: DWG #: P139-MARCH2023		PREPARED BY:		CHECKED	DATE	SUBMITTED BY:		CONCURRED BY:	RECOMMENDED BY:	APPROVED BY:	SHEET NO.
LOCATION: MINGEN HQ, BRGY. NA, CRISTINA, ILLIGAN CITY		REPAIR AND REPAINTING OF EXISTING GUARD POST		CAD	ARCHT.	CIVIL	MECHTL.	REV. #:	ADGIII	WPL	JMA		E 1
													SET NO.
													15 17







M.M. PAUTE
OIC-DIV. MANAGER, PROPEMO, CDD

G. SERENTAS, JR.
DIVISION MANAGER, SSD

G. S. ALI
DEPARTMENT MANAGER, CDD

ATTY. E. L. RAMIREZ
OIC-VICE PRESIDENT, MINGEN







LEGEND

	CONVENIENCE OUTLET (TWO-GANG OUTLET)
	ACU
	REF. REFRIGERATOR
	(12W) LED PIN LIGHT
S1	SINGLE SWITCH
S2	TWO GANG SWITCH
S3	THREE GANG SWITCH
	MAIN PANEL BOARD
	SWITCH LINE

NOTE: ALL DIMENSIONS ARE IN METER
UNLESS OTHERWISE SPECIFIED.

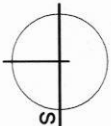
REPAIR & REPAINTING OF EXISTING GUARD POST

ITEM NO.	CRT. NO.	LOAD DESCRIPTION	NO. OF UNITS	WATTAGE PER UNIT (WATTS)		WATTS A-B	AMPERE (A)	Calculation of Size of wire (Motor)	VOLTAGE (V)	TOTAL WATTS	Calculation CB	PROTECTION (CB)	SIZE OF CONDUCTOR		CONDUIT	
													SIZE (mm ²)	TYPE	SIZE (mm)	TYPE
1	C1	LIGHTING OUTLET	14	12		168	0.76	-	220	168	-	15 A	3.5mm ²	THHN	3/4"	PVC
2	C2	CONVENIENCE OUTLET	5	360		1800	8.18	-	220	1800	-	20 A	3.5mm ²	THHN	3/4"	PVC
3	C3	AIRCONDITION OUTLET	1	2.5	HP	1865	8.48	10.60	220	1865	21.2	30 A	5.5mm ²	THHN	3/4"	PVC
4	C4	REFRIGIRATOR	1	1000		1000	4.55	5.68	220	1000	11.4	30 A	5.5mm ²	THHN	3/4"	PVC
5	C5	SPARE	1	2.5	HP	1865	8.48	10.60	220	1865	21.2	30 A	5.5mm ²	THHN	3/4"	PVC
6	C6	SPARE	1	2.5	HP	1865	8.48	10.60	220	1865	21.2	30 A	5.5mm ²	THHN	3/4"	PVC
(220) TOTAL AMPERES							38.16	USE 50AT 2P, 220V MOLDED CASE CIRCUIT BREAKER (MCCB) WITH OVER CURRENT PROTECTION								
TOTAL CURRENT							30.53	USE 2-50mm ² THHN STRANDED COPPER WIRE, 1-1/2" PVC PIPE WITH 1-6mm ² BARE COPPER WIRE								

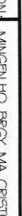






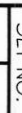
 CDD	PROJECT TITLE:	DWG #: P139-MARCH2023	PREPARED BY:	CHECKED	DATE	SUBMITTED BY:	CONCURRED BY:	RECOMMENDED BY:	APPROVED BY:	SHEET NO.
	REPAIR AND REPAINTING OF EXISTING GUARD POST		CAD	ADGIII		 M.M. PAUTE OIC-DIV. MANAGER, PDPDMD, CDD	 A. C. SERENTAS, JR. DIVISION MANAGER, SSD	 G. S. AUJ DEPARTMENT MANAGER, CDD	 ATTY. E. L. RAMIREZ OIC-VICE PRESIDENT, MinGen	E 2
			ARCH'L.	WPL						SET NO.
			CIVIL	JMA						16 17
	MECH'L.									
	ELECT'L.									
LOCATION:	MINGEN HQ, BRGY. MA. CRISTINA, ILAGAN CITY		REV. #:							

Floor plan showing dimensions and room labels:

- Dimensions:**
 - Overall width: 6.27
 - Overall depth: 1.30
 - Top section width: 3.80
 - Top section depth: 4.77
 - Top section width (excluding extension): 3.20
 - Bottom section width: 2.90
 - Bottom section depth: 5.90
 - Bottom section width (excluding extension): 3.00
- Rooms and Features:**
 - MAIN OFFICE:** Large central area.
 - DINING AREA:** Located in the top right.
 - KITCHEN/PANTRY:** Located in the top right, below the dining area.
 - WC:** Located in the bottom right.
 - AV:** Located in the bottom right, adjacent to the WC.
 - OR:** Located in the bottom right, between the WC and AV.
 - PROVIDE WALL MOUNTED CERAMIC LAVATORY:** Located in the bottom right, below the WC/AV area.
 - PROVIDE PUSH TOILET WATER CLOSET W/ SPRINKLER BIDET:** Located in the bottom right, below the lavatory.
- Other Labels:**
 - SIDE WALK:** Three labels along the left edge.
 - MAXIMUM EXTENSION AREA:** Label along the top edge.
 - 12" Ø PPR PIPE:** Two labels indicating pipe runs.
 - TAP TO NEAREST WATER DISTRIBUTION LINE:** Label at the bottom right corner.



1 : 100 m.

		PROJECT TITLE:		DWG #: P-139-MARCH2023	
REPAIR AND REPAINTING OF EXISTING GUARD POST		PREPARED BY:		CHECKED 	
LOCATION: MANGEN HQ, BRGY. MA. CRISTINA, ILLIGAN CITY		CAD ARCHT.  CIVIL MECHT. ELECTL.		ADGIII WPL JMA	
REV. #:		DATE		SUBMITTED BY: 	
M.M. PAUTE DIE-DIV. MANAGER, POWERDMD, CDD				CONCURRED BY: 	
A.R. SERENTAS, JR. DIVISION MANAGER, SSD				RECOMMENDED BY: 	
G. S. AL DEPARTMENT MANAGER, CDD				APPROVED BY:	
ATT. E. L. RAMIREZ DIE-VICE PRESIDENT, MRCdm		SET NO.		SHEET NO.	
17		P 1		17	

