



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
WESTERN VISAYAS
PAROLA, ILOILO CITY

DETAILED ENGINEERING DESIGN PLANS

ESTABLISHMENT OF ANIMAL HOUSING
FACILITY FOR POULTRY PRODUCTION
(INCLUDING PERIMETER & DIVISIONAL
FENCES)

DA NOROS SITIO BINGIG, BRGY. 3, HIMAMAYLAN CITY, NEGROS OCCIDENTAL
(DA-HALAL - FY 2025)

Submitted by:

MOSES B. MAMA-AY, ARE
Engineer V
Project Chief
(License No. 034647)

Recommending Approval:

Manix Teresita T. Solis
MANIX TERESITA T. SOLIS
CIC - RTD for Operations

Approved by:

DELOS R. ARPIA
DELOS R. ARPIA
Region Executive Director



VICINITY MAP

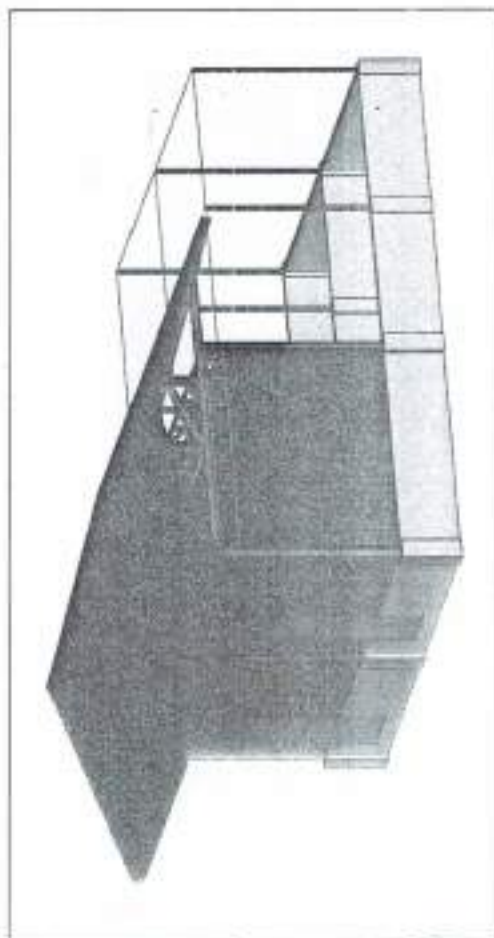
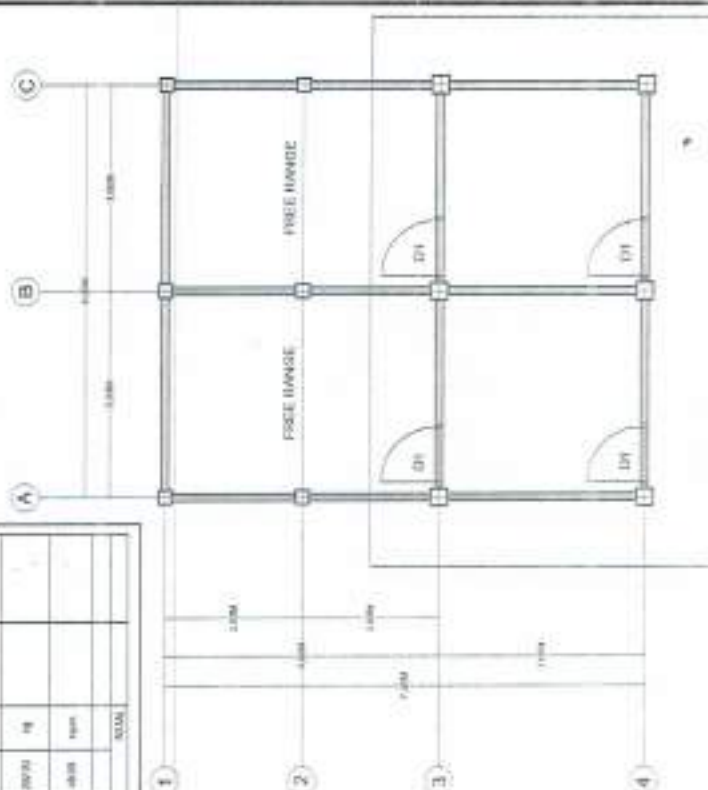
ICMID	RTS
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THIS SITE
IS A MARCH 2010 SPECIAL
ADDRESSING THE CITY OF LOS ANGELES
AND THE STATE OF CALIFORNIA

THESE RESULTS ARE IN ACCORDANCE WITH THE FINDINGS OF OTHER STUDIES.

BILL OF QUANTITIES

Task No.	Scope of Work	Building	Unit	Unit Price (\$/hr)	Estimated Price
101	CONSTRUCT STAIRCASES, 200 TO 250 SQ. FT. PER UNIT	100	sq	1.00	
102	CONSTRUCT STAIRCASES, 250 TO 300 SQ. FT. PER UNIT	100	sq	1.00	
103	CONSTRUCT STAIRCASES, 300 TO 350 SQ. FT. PER UNIT	100	sq	1.00	
104	CONSTRUCT STAIRCASES, 350 TO 400 SQ. FT. PER UNIT	100	sq	1.00	
105	CONSTRUCT STAIRCASES, 400 TO 450 SQ. FT. PER UNIT	100	sq	1.00	
106	CONSTRUCT STAIRCASES, 450 TO 500 SQ. FT. PER UNIT	100	sq	1.00	
107	CONSTRUCT STAIRCASES, 500 TO 550 SQ. FT. PER UNIT	100	sq	1.00	
108	CONSTRUCT STAIRCASES, 550 TO 600 SQ. FT. PER UNIT	100	sq	1.00	
109	CONSTRUCT STAIRCASES, 600 TO 650 SQ. FT. PER UNIT	100	sq	1.00	
110	CONSTRUCT STAIRCASES, 650 TO 700 SQ. FT. PER UNIT	100	sq	1.00	
111	CONSTRUCT STAIRCASES, 700 TO 750 SQ. FT. PER UNIT	100	sq	1.00	
112	CONSTRUCT STAIRCASES, 750 TO 800 SQ. FT. PER UNIT	100	sq	1.00	
113	CONSTRUCT STAIRCASES, 800 TO 850 SQ. FT. PER UNIT	100	sq	1.00	
114	CONSTRUCT STAIRCASES, 850 TO 900 SQ. FT. PER UNIT	100	sq	1.00	
115	CONSTRUCT STAIRCASES, 900 TO 950 SQ. FT. PER UNIT	100	sq	1.00	
116	CONSTRUCT STAIRCASES, 950 TO 1000 SQ. FT. PER UNIT	100	sq	1.00	
117	CONSTRUCT STAIRCASES, 1000 TO 1050 SQ. FT. PER UNIT	100	sq	1.00	
118	CONSTRUCT STAIRCASES, 1050 TO 1100 SQ. FT. PER UNIT	100	sq	1.00	
119	CONSTRUCT STAIRCASES, 1100 TO 1150 SQ. FT. PER UNIT	100	sq	1.00	
120	CONSTRUCT STAIRCASES, 1150 TO 1200 SQ. FT. PER UNIT	100	sq	1.00	
121	CONSTRUCT STAIRCASES, 1200 TO 1250 SQ. FT. PER UNIT	100	sq	1.00	
122	CONSTRUCT STAIRCASES, 1250 TO 1300 SQ. FT. PER UNIT	100	sq	1.00	
123	CONSTRUCT STAIRCASES, 1300 TO 1350 SQ. FT. PER UNIT	100	sq	1.00	
124	CONSTRUCT STAIRCASES, 1350 TO 1400 SQ. FT. PER UNIT	100	sq	1.00	
125	CONSTRUCT STAIRCASES, 1400 TO 1450 SQ. FT. PER UNIT	100	sq	1.00	
126	CONSTRUCT STAIRCASES, 1450 TO 1500 SQ. FT. PER UNIT	100	sq	1.00	
127	CONSTRUCT STAIRCASES, 1500 TO 1550 SQ. FT. PER UNIT	100	sq	1.00	
128	CONSTRUCT STAIRCASES, 1550 TO 1600 SQ. FT. PER UNIT	100	sq	1.00	
129	CONSTRUCT STAIRCASES, 1600 TO 1650 SQ. FT. PER UNIT	100	sq	1.00	
130	CONSTRUCT STAIRCASES, 1650 TO 1700 SQ. FT. PER UNIT	100	sq	1.00	
131	CONSTRUCT STAIRCASES, 1700 TO 1750 SQ. FT. PER UNIT	100	sq	1.00	
132	CONSTRUCT STAIRCASES, 1750 TO 1800 SQ. FT. PER UNIT	100	sq	1.00	
133	CONSTRUCT STAIRCASES, 1800 TO 1850 SQ. FT. PER UNIT	100	sq	1.00	
134	CONSTRUCT STAIRCASES, 1850 TO 1900 SQ. FT. PER UNIT	100	sq	1.00	
135	CONSTRUCT STAIRCASES, 1900 TO 1950 SQ. FT. PER UNIT	100	sq	1.00	
136	CONSTRUCT STAIRCASES, 1950 TO 2000 SQ. FT. PER UNIT	100	sq	1.00	
137	CONSTRUCT STAIRCASES, 2000 TO 2050 SQ. FT. PER UNIT	100	sq	1.00	
138	CONSTRUCT STAIRCASES, 2050 TO 2100 SQ. FT. PER UNIT	100	sq	1.00	
139	CONSTRUCT STAIRCASES, 2100 TO 2150 SQ. FT. PER UNIT	100	sq	1.00	
140	CONSTRUCT STAIRCASES, 2150 TO 2200 SQ. FT. PER UNIT	100	sq	1.00	
141	CONSTRUCT STAIRCASES, 2200 TO 2250 SQ. FT. PER UNIT	100	sq	1.00	
142	CONSTRUCT STAIRCASES, 2250 TO 2300 SQ. FT. PER UNIT	100	sq	1.00	
143	CONSTRUCT STAIRCASES, 2300 TO 2350 SQ. FT. PER UNIT	100	sq	1.00	
144	CONSTRUCT STAIRCASES, 2350 TO 2400 SQ. FT. PER UNIT	100	sq	1.00	
145	CONSTRUCT STAIRCASES, 2400 TO 2450 SQ. FT. PER UNIT	100	sq	1.00	
146	CONSTRUCT STAIRCASES, 2450 TO 2500 SQ. FT. PER UNIT	100	sq	1.00	
147	CONSTRUCT STAIRCASES, 2500 TO 2550 SQ. FT. PER UNIT	100	sq	1.00	
148	CONSTRUCT STAIRCASES, 2550 TO 2600 SQ. FT. PER UNIT	100	sq	1.00	
149	CONSTRUCT STAIRCASES, 2600 TO 2650 SQ. FT. PER UNIT	100	sq	1.00	
150	CONSTRUCT STAIRCASES, 2650 TO 2700 SQ. FT. PER UNIT	100	sq	1.00	
151	CONSTRUCT STAIRCASES, 2700 TO 2750 SQ. FT. PER UNIT	100	sq	1.00	
152	CONSTRUCT STAIRCASES, 2750 TO 2800 SQ. FT. PER UNIT	100	sq	1.00	
153	CONSTRUCT STAIRCASES, 2800 TO 2850 SQ. FT. PER UNIT	100	sq	1.00	
154	CONSTRUCT STAIRCASES, 2850 TO 2900 SQ. FT. PER UNIT	100	sq	1.00	
155	CONSTRUCT STAIRCASES, 2900 TO 2950 SQ. FT. PER UNIT	100	sq	1.00	
156	CONSTRUCT STAIRCASES, 2950 TO 3000 SQ. FT. PER UNIT	100	sq	1.00	
157	CONSTRUCT STAIRCASES, 3000 TO 3050 SQ. FT. PER UNIT	100	sq	1.00	
158	CONSTRUCT STAIRCASES, 3050 TO 3100 SQ. FT. PER UNIT	100	sq	1.00	

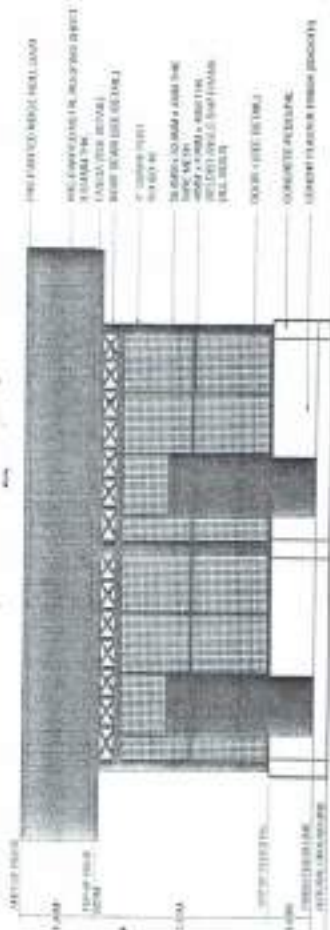


PERSPECTIVE

100

100

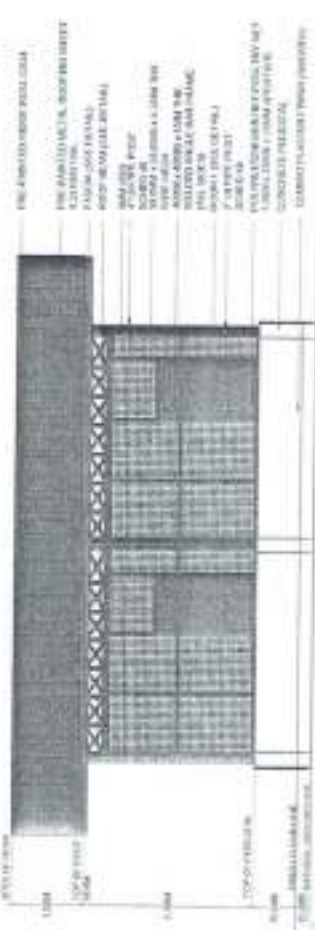
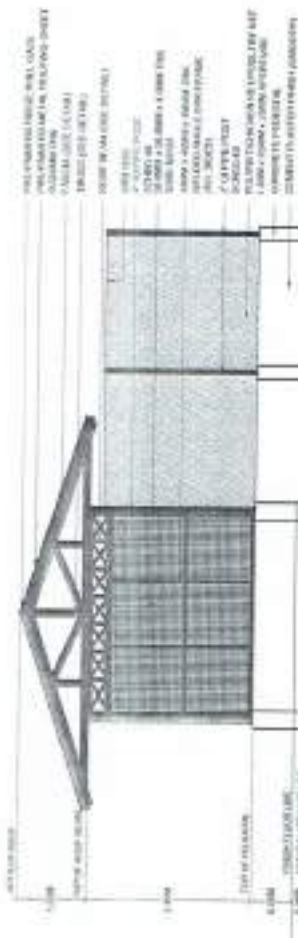
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FRONT ELEVATION



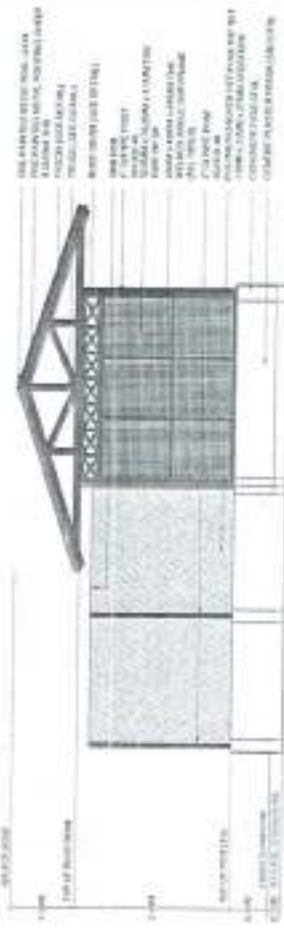
RIGHT ELEVATION



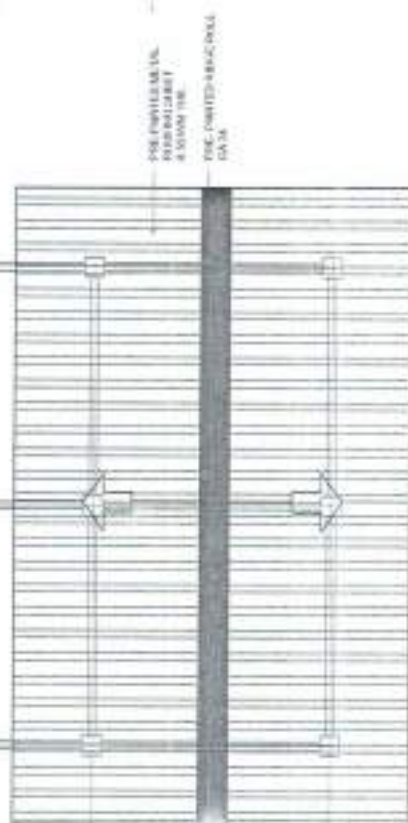
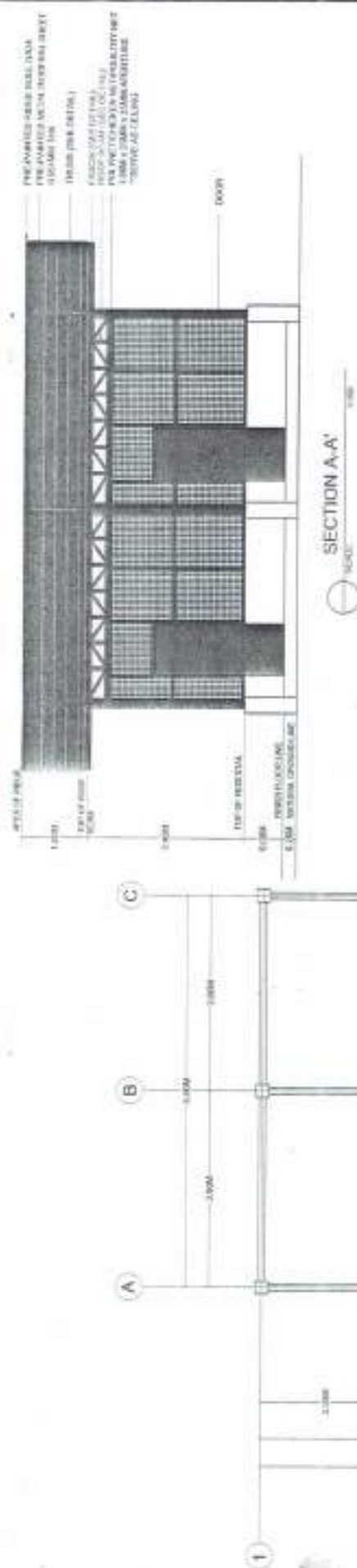
REAR ELEVATION

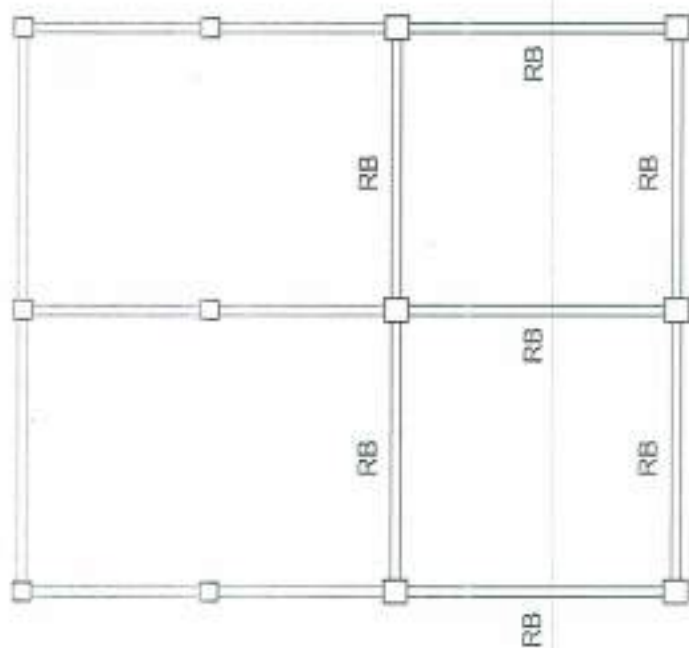


LEFT ELEVATION



<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS DARAWA, ILOILO CITY</p>	<p>PROJECT: SUBMITTAL OF ANIMAL HUSBANDRY OFFICE FOR THE PRODUCTION POLARIZATION WITH A PRODUCTION UNIT</p>	<p>PROJECT ELEVATION REAR ELEVATION RIGHT ELEVATION LEFT ELEVATION</p>	<p>DATE: 2024-08-21 11:11 AM DRAWN: MAF T. GERMEN, CE CHECKED: MAF T. GERMEN, CE</p>	<p>DATE: 2024-08-21 11:11 AM DRAWN: MAF T. GERMEN, CE CHECKED: MAF T. GERMEN, CE</p>	<p>DATE: 2024-08-21 11:11 AM DRAWN: MAF T. GERMEN, CE CHECKED: MAF T. GERMEN, CE</p>
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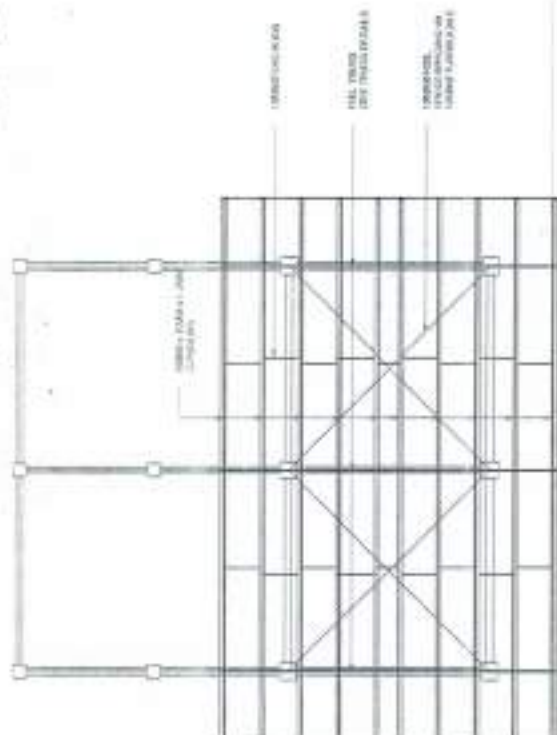
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ROOF BEAM PLAN

SCALE

1/8" = 1'-0"



ROOF FRAMING PLAN

SCALE

1/8" = 1'-0"



ROOF BEAM DETAILS

SCALE

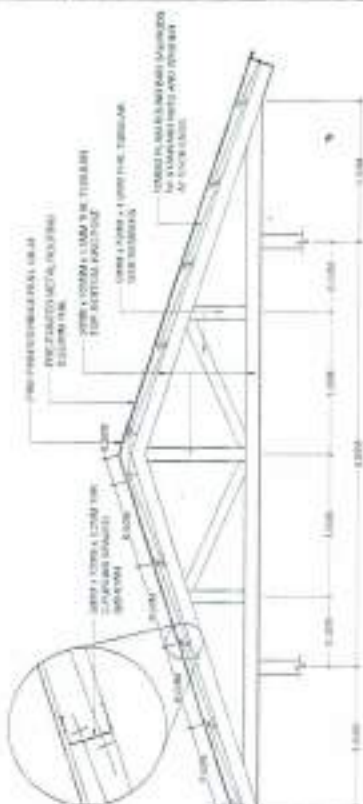
1/8" = 1'-0"



FASCIA DETAILS

SCALE

1/8" = 1'-0"



ROOF FRAMING DETAILS

SCALE

1/8" = 1'-0"

<p>OFFICE OF THE SHERIFF DEPARTMENT OF AGRICULTURE WESTERN VALLEY FERTILIZERS</p>	<p>PROJECT LOCATION ROOF BEAM PLAN ROOF BEAM DETAILS FASCIA DETAILS ROOF FRAMING PLAN ROOF FRAMING DETAILS</p>	<p>DATE OF DRAWING 10/1/17</p>	<p>DESIGNED BY J. J. J. J.</p>	<p>CHECKED BY J. J. J. J.</p>	<p>APPROVED BY J. J. J. J.</p>	<p>DATE OF REVIEW 10/1/17</p>	<p>REVISIONS 1. J. J. J. J.</p>	<p>DATE OF REVIEW 10/1/17</p>	<p>REVISIONS 1. J. J. J. J.</p>
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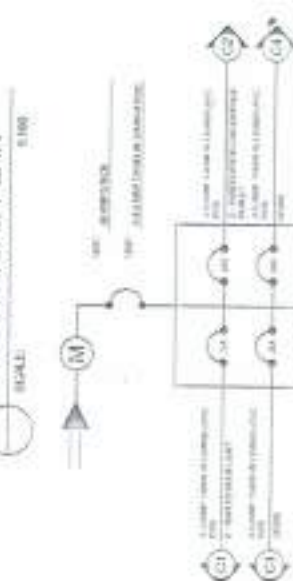
GENERAL NOTES

- ALL WORKS HEREWITH SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, RULES AND REGULATION OF THE LOCAL ENFORCING AUTHORITIES AND WITH THE REQUIREMENTS OF THE EXISTING UTILITY COMPANY.
- ALL WORKS SHALL BE SUPERVISED BY A DULY LICENSED ELECTRICAL ENGINEER OR LICENSED ELECTRICAL CONTRACTOR.
- ALL MATERIALS TO BE USED SHALL BE BRAND NEW FOR AN APPROVED PURPOSE AND LOCATIONS. IT SHALL BE MANUFACTURED BY ANY REPUTABLE COMPANY. MINIMUM SIZES OF WIRES, CONDUITS, AND CIRCUIT PROTECTIONS SHALL BE AS INDICATED IN THE SCHEDULE OF LOADS.
- WIRING INSTALLATION SHALL BE DONE IN PVC CONDUIT FOR LIGHTINGS AND SYSTEMS THAT ARE SPECIFIED IN RULES.
- MOUNTING HEIGHTS FOR THE FOLLOWING SHALL NOT BE LESS THAN AS FOLLOWS:
FAN/LED BOARDS/SMTS 1.7 METERS AFTL
SWITCHES 1.40 METERS AFTL
OUTLETS 1.00 METERS AFTL
- ALL WORKS HEREWITH SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER (RSE).

SCHEDULE OF LOADS

CMT. NO	DESCRIPTION	NO. OF OUTLETS		VOLT-AMPERE (VA)	VOLTAGE (V)	CIRCUIT PROTECTION				SIZE/TYPE OF WIRE	CONDUIT SIZE
		SO	DO			1P	2P	3P	4P		
1	SMALL LED LIGHT UNIT	7		36	220	0.16	15	30	1	2-2.0MM ² THHN	12.5MM DIA. PVC
2	SMALL THREE COMPARTMENT OUTLET	7		360	220	1.57	20	20	1	2-2.0MM ² THHN	12.5MM DIA. PVC
3	SPACES	1		300	220	6.77	20	30	1	2-2.0MM ² THHN	12.5MM DIA. PVC
4	SWITCH	1		300	220	8.77	20	30	1	2-2.0MM ² THHN	12.5MM DIA. PVC
TOTAL				664							
MINIMUM AMPLITUDE OF CABLE PROTECT.		FOR SMALL PANEL PROTECTION, USE 6-8 GA. BULB									
MINIMUM AMPLITUDE OF 87% RESISTANCE		1.3A X 0.00 1.2A X 0.00 1.1A X 0.00									
MINIMUM AMPLITUDE OF 87% RESISTANCE		1.3A X 0.00 1.2A X 0.00 1.1A X 0.00									

ELECTRICAL PLAN



SINGLE LINE DIAGRAM



	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE DIVISION OFFICE - BULACAGAN	PROJECT NO. 1 PROJECT NAME: ELECTRICAL SYSTEM	PROJECT LOCATION: BULACAGAN	PROJECT DATE: 2023	PROJECT STATUS: COMPLETED	PROJECT COST: P100,000.00	PROJECT BENEFIT: Improved electrical system	PROJECT RISK: Low	PROJECT REVIEW: Approved
	PROJECT ENGINEER NAME: [Name]	PROJECT MANAGER NAME: [Name]	PROJECT SUPERVISOR NAME: [Name]	PROJECT ASSISTANT NAME: [Name]	PROJECT CLERK NAME: [Name]	PROJECT ACCOUNTANT NAME: [Name]	PROJECT AUDITOR NAME: [Name]	PROJECT REVIEWER NAME: [Name]	PROJECT APPROVER NAME: [Name]



LOCATION: DAVIDSON S&S Single, Bldg. 3, Hsinchuang City, Maygao Occidental

COMMUNICATIONS TECHNOLOGY AND BUSINESS

Item No.	Item Description	Quantity	Unit	Rate	Amount	Remarks
1	Excavation and backfilling of 10' x 10' x 10' pit	1	cu yd	100.00	100.00	
2	Concrete foundation for 10' x 10' x 10' pit	1	sq ft	100.00	100.00	
3	Reinforcement for concrete foundation	1	lb	100.00	100.00	
4	Formwork for concrete foundation	1	sq ft	100.00	100.00	
5	Excavation and backfilling of 10' x 10' x 10' pit	1	cu yd	100.00	100.00	
6	Concrete foundation for 10' x 10' x 10' pit	1	sq ft	100.00	100.00	
7	Reinforcement for concrete foundation	1	lb	100.00	100.00	
8	Formwork for concrete foundation	1	sq ft	100.00	100.00	
9	Excavation and backfilling of 10' x 10' x 10' pit	1	cu yd	100.00	100.00	
10	Concrete foundation for 10' x 10' x 10' pit	1	sq ft	100.00	100.00	
11	Reinforcement for concrete foundation	1	lb	100.00	100.00	
12	Formwork for concrete foundation	1	sq ft	100.00	100.00	
13	Excavation and backfilling of 10' x 10' x 10' pit	1	cu yd	100.00	100.00	
14	Concrete foundation for 10' x 10' x 10' pit	1	sq ft	100.00	100.00	
15	Reinforcement for concrete foundation	1	lb	100.00	100.00	
16	Formwork for concrete foundation	1	sq ft	100.00	100.00	
17	Excavation and backfilling of 10' x 10' x 10' pit	1	cu yd	100.00	100.00	
18	Concrete foundation for 10' x 10' x 10' pit	1	sq ft	100.00	100.00	
19	Reinforcement for concrete foundation	1	lb	100.00	100.00	
20	Formwork for concrete foundation	1	sq ft	100.00	100.00	

TABLE 1. Mean (SD) relative change in mean weight (kg) over 12 months for healthy and obese boys.

Standard of Working Days (Calendar Packet) 28 days
Teachers and Holidays 8 days

Total Number of Calendar Days: 30 days (PRODUCT DURATION)

Handwritten signature: [Illegible]



ROBERT A. SCHUCHMAN
 President
 (703) 520-1000

Signature

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