


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

**DETAILED ENGINEERING DESIGN PLANS**  
**CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM**  
**(Breeder House)**  
(LEED PROGRAM 2024)

BRGY. 6, POBLACION, IGBARAS, ILOILO

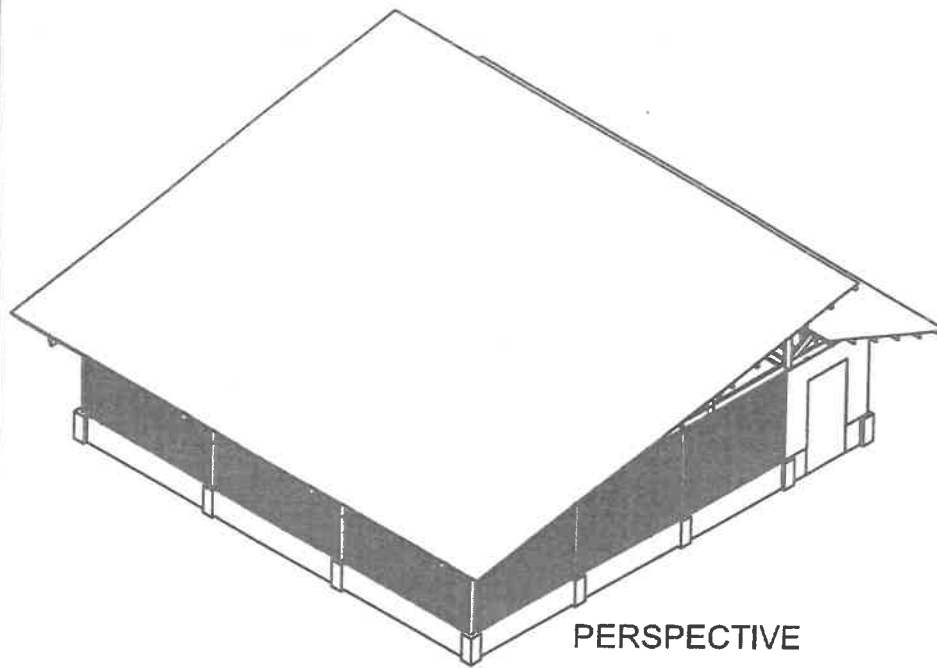
  
JERRY B. GUANCO, ABE  
Engineer II (ABE NO. 0007286)

  
YVONNE GRAZIE H. SUR, ABE  
Engineer III (ABE NO. 0005970)  
Head, Engineering Plans, Designs, and  
Specifications Section

  
MOISES D. MANANA, ABE, MEE  
Engineer V (ABE NO. 0006077)  
Chief, RAED

  
ENGR. JOSE ALBERT A. BARROGO  
RTD for Operations and Extension

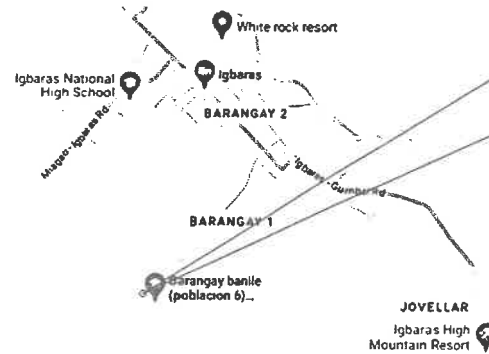
  
DENNIS R. ARPJA  
Regional Executive Director



PERSPECTIVE

BILL OF QUANTITIES		
ITEM NO.	DESCRIPTION	QUANTITY
1	Excavation for foundation	1.00
2	Foundation concrete	1.00
3	Foundation reinforcement	1.00
4	Foundation formwork	1.00
5	Foundation labor	1.00
6	Foundation material	1.00
7	Foundation equipment	1.00
8	Foundation transport	1.00
9	Foundation storage	1.00
10	Foundation disposal	1.00
11	Foundation cleanup	1.00
12	Foundation total	1.00
13	Foundation subtotal	1.00
14	Foundation grand total	1.00

THE SITE



VICINITY MAP

NTS

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OFFICE OF THE BUILDING  
OFFICIAL

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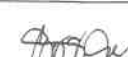



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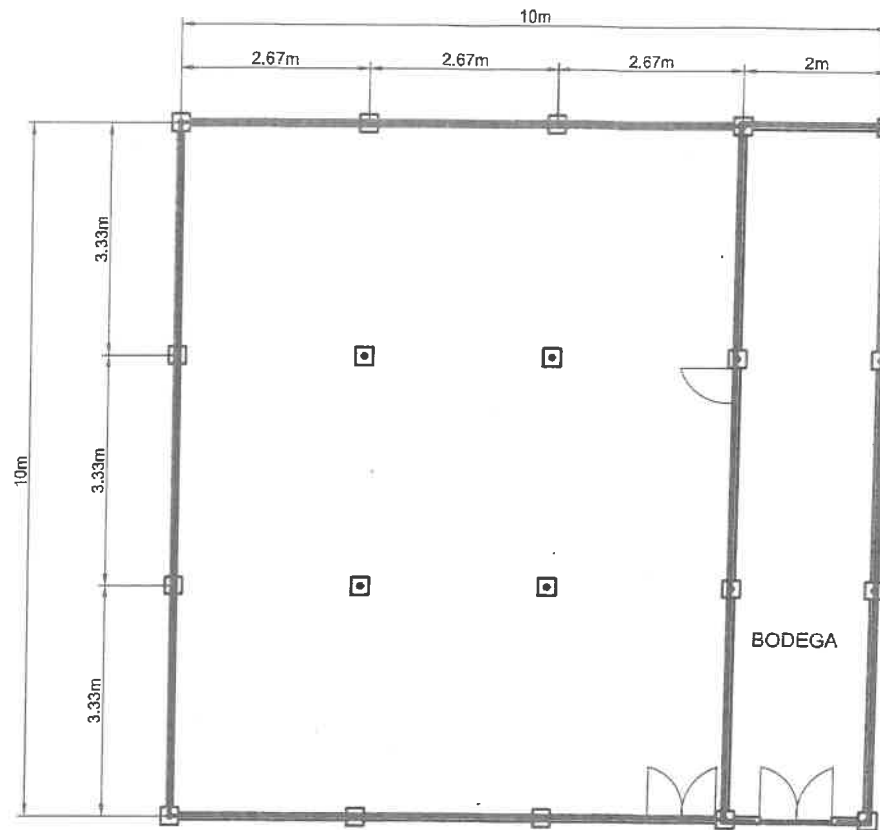
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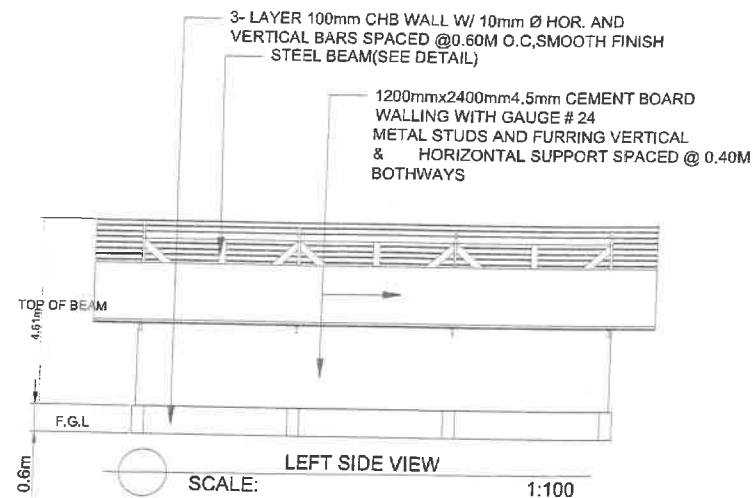
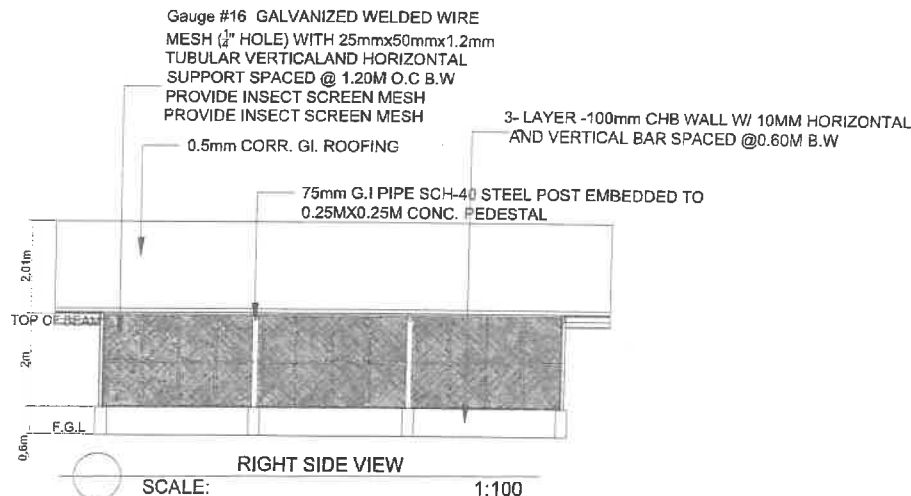
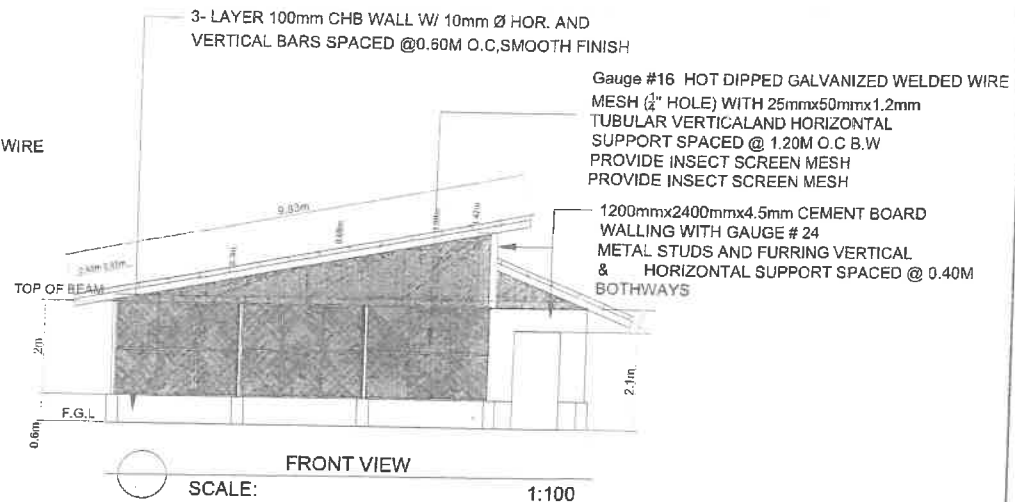
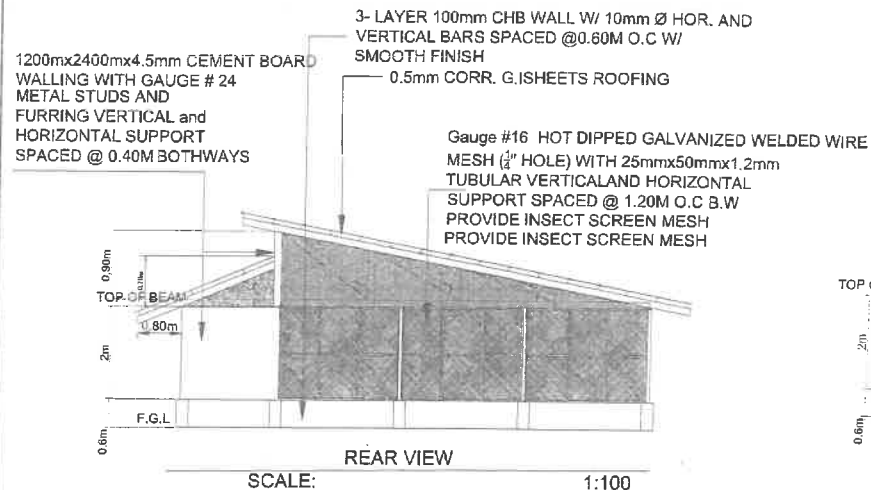
E1 LAYOUT PLAN  
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SCHEDULE OF  
LOADS

IMPLEMENTING AGENCY:  REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM (Breeder House) BRGY. 6, POBLACION, IGBARAS, ILOILO	SHEET CONTENTS: AS SHOWN	PREPARED:  JERRY B. GUANCO, ABE Engineer (I) (ABE NO. 0000000000)	REVIEWED/SUBMITTED:  YVON H. GARCIA, S. R. ABE Engineer (I) (ABE NO. 0000000000) Head, APOSS	CHECKED:  MOISES D. MANAY ABE, MEE Engineer (I) (ABE NO. 0000000000) Chief, RAED	RECOMMENDED:  ENGR. JOSE ALBERT A. BARRERA Regional Technical Director	APPROVED:  ENGR. R. ARPA Regional Executive Director	SHEET NO.: A 1 PAGE NO.: 1 8
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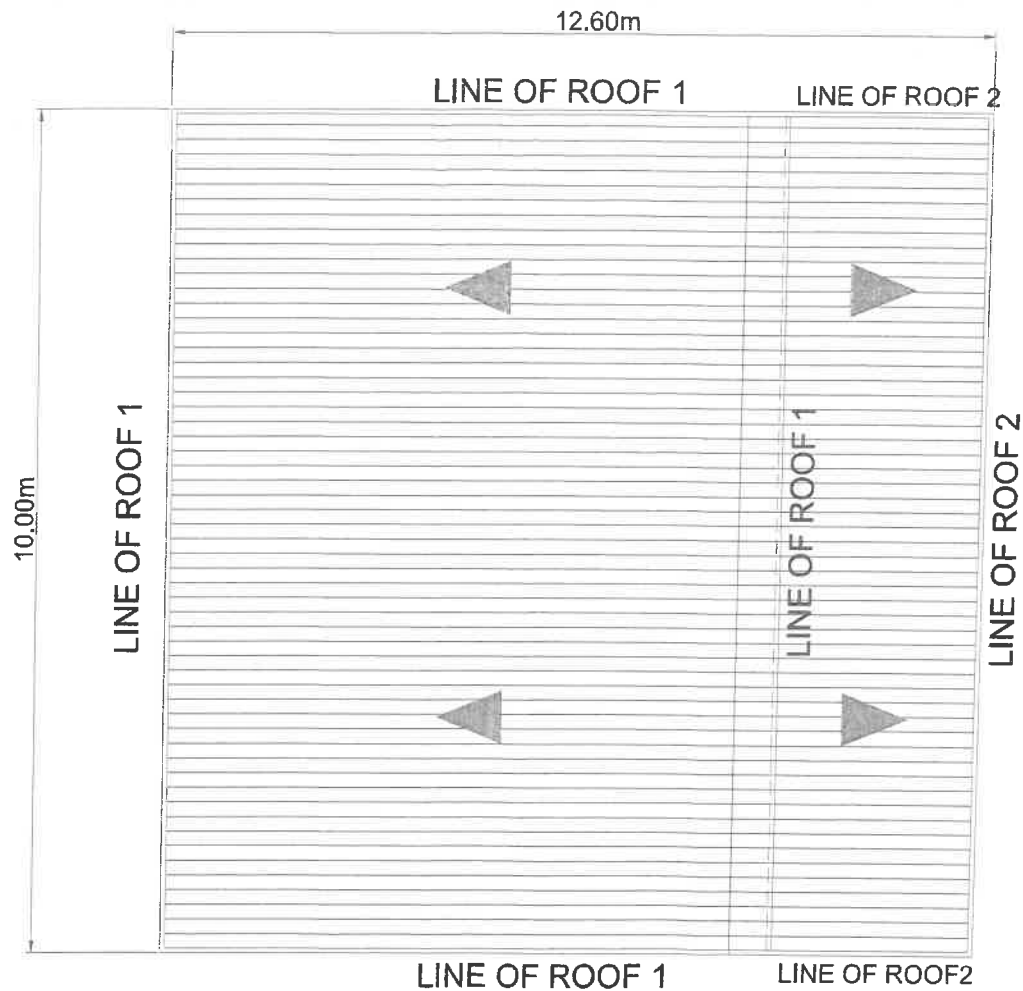


SCALE: FLOOR PLAN 1:30

IMPLEMENTING AGENCY <b>REPUBLIC OF THE PHILIPPINES</b> <b>DEPARTMENT OF AGRICULTURE</b> <b>WESTERN VISAYAS</b> PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: <b>CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM (Breeder House)</b> <small>BRGY. 5, POBLACION, IGBARAS, ILOILO</small>	SHEET CONTENTS: AS SHOWN	PREPARED:  <b>JERRY B. GUANCO, ABE</b> <small>Engineer III (PAB NO. 0007296)</small>	REVIEWED/SUBMITTED:  <b>YVON H. ALCALA, ABE</b> <small>Engineer III (PAB NO. 0005170)</small> Head, EPD-1S	CHECKED:  <b>MIDES D. MANAL, ABE, MEE</b> <small>Engineer IV (PAB NO. 0000000000)</small> Chief, RA-1S	RECOMMENDED:  <b>ENG. JOSE ALBERT A. BARROJO</b> <small>Regional Technical Director</small>	APPROVED:  <b>REGIONAL EXECUTIVE DIRECTOR</b>	SHEET NO. <b>A</b> PAGE NO. <b>2</b> <b>8</b>
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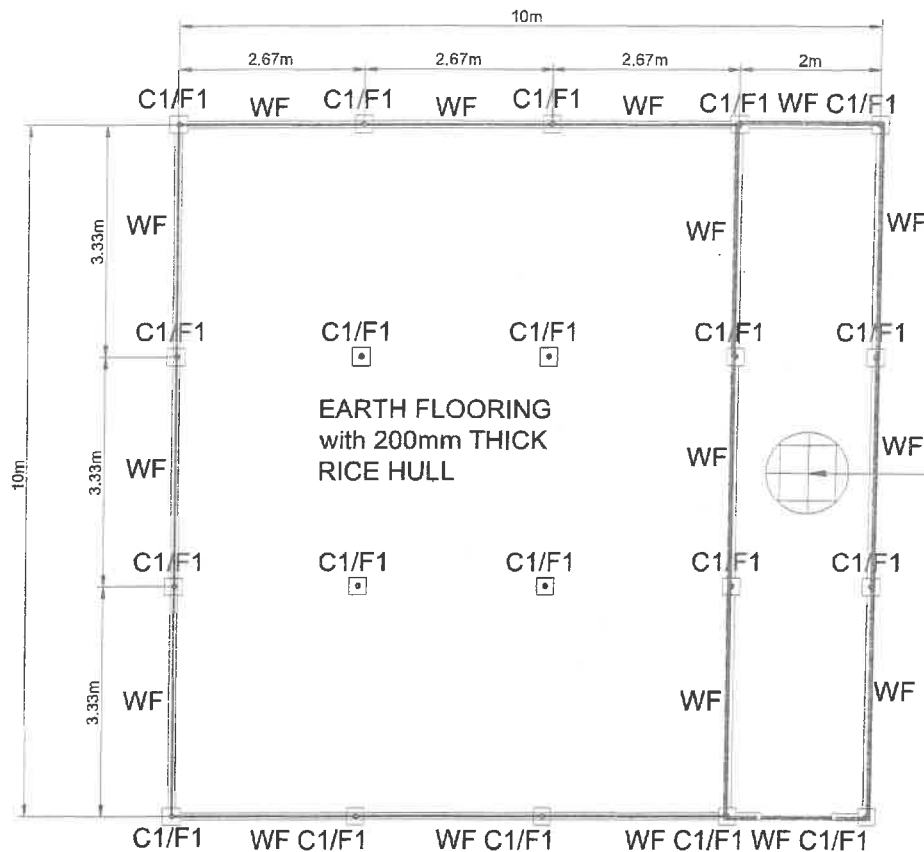


	<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY</p>	<p>PROJECT NAME &amp; LOCATION: CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM (Breeder House) BRGY. 5, POBLACION, IGBARAS, ILOILO</p>	<p>SHEET CONTENTS: AS SHOWN</p>	<p>PREPARED: JERRY GUANCO, ALC Engineer (REG. NO. 10072)</p>	<p>REVIEWED/SUBMITTED: WONNIE GUANCO, ALC, ABE Engineer (REG. NO. 10071) Head, P.O.</p>	<p>CHECKED: MILTON D. MANA-AY, ABE, MEE Engineer (REG. NO. 10077) Chief, P.O.</p>	<p>RECOMMENDED: ENG. JOSE ALBERT A. BARRIDO Regional Technical Director</p>	<p>APPROVED: [Signature] Regional Executive Director</p>	<p>SHEET NO.: A 3 PAGE NO.: 3 8</p>
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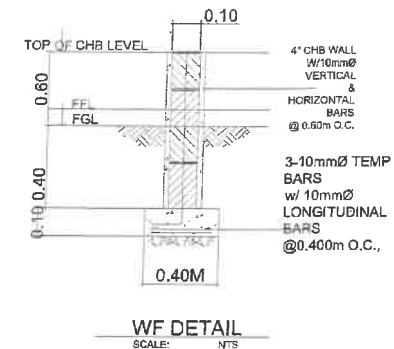
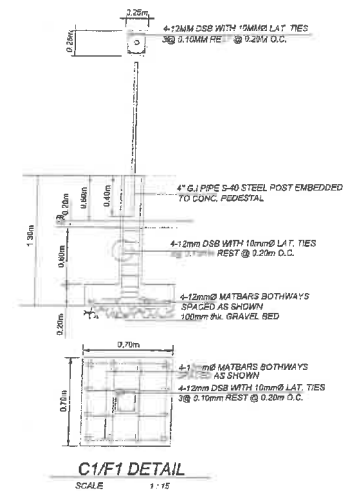
ROOF PLAN  
SCALE: NTS

	IMPLEMENTING AGENCY: REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM (Breeder House) BRGY. 6, POBLACION, IGBARAS, ILOILO PROJECT LOCATION:	SHEET CONTENTS: ROOF PLAN CAD BY: MALLOYOLA	PREPARED:  JERRY B. GUANCO, ABE, MEE Engineer II (ABE NO. 090728)	REVIEWED/SUBMITTED:  YVONNE L. ACE, ABE, MEE Engineer II (ABE NO. 090728) Lead, FDS	CHECKED:  OISES D. MANALAYA, ABE, MEE Engineer II (ABE NO. 090728) Chief, I&D	RECOMMENDED:  ENGR. JOSE ALBERT A. BARROCO Regional Technical Director	APPROVED:  ENGR. B. ARPILA Regional Executive Director	SHEET NO.: A 4 PAGE NO.: 4 8
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SCALE: FOUNDATION PLAN NTS







A= 20sq.m -100mm THICK  
SLAB ON GRADE  
W/ 10mm Ø TEMP. BARS @  
600mm BOTHWAYS  
PROVIDE 75mm GRAVEL BEDDING

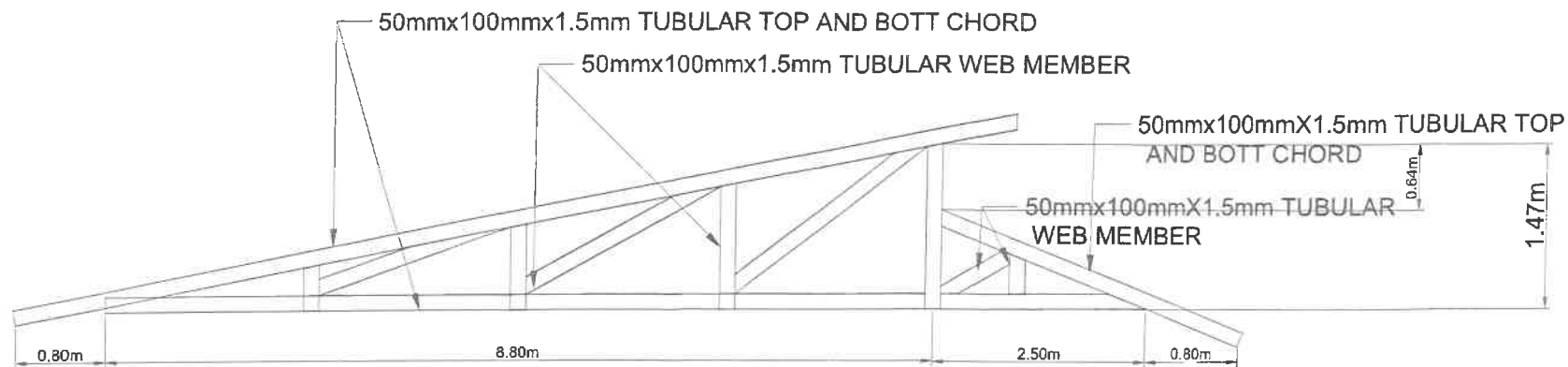


	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM (Breeder House) BRGY. 6, POBLACION, IGBARAS, ILOILO	SHEET CONTENTS: AS SHOWN	PREPARED: JERRY B. GUANCO, ABE Engineer II (ABE NO. 0007289)	REVIEWED/SUBMITTED: YVONNE L. MACAL, JR., ABE Engineer II (ABE NO. 0003297) Head, EPO-5	CHECKED: MOSES D. MANA-AY, ABE, MEE Engineer I (ABE NO. 0002177) Chief, RAED	RECOMMENDED: ENR. JOSE ALBERT A. BARRIGO Regional Technical Director	APPROVED: Regional Director	SHEET NO.: S 1 PAGE NO.: 5 8
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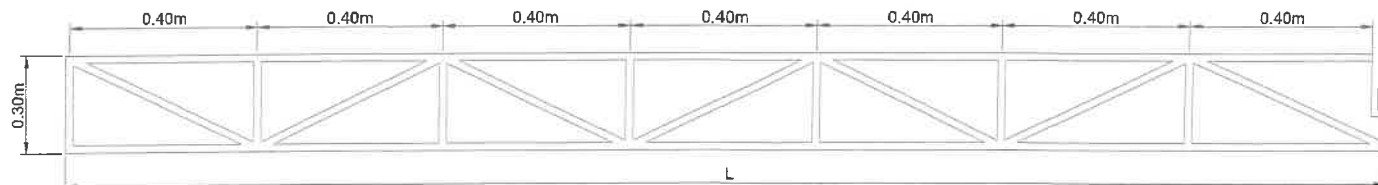


SCALE:  ROOF FRAMING NTS

IMPLEMENTING AGENCY:  REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM (Breeder House) BREV. 6, POBLACION, IGABAS, ILOILO <small>PROJ. NO. 1007250</small>	SHEET CONTENTS: AS SHOWN	PREPARED:  JERRY B. GUANCO, ABCE <small>Engineer II (ABE NO. 0007250)</small>	REVIEWED/SUBMITTED:  YVONNE C. LE H. ABE <small>Engineer II (ABE NO. 0003370) Head, EP-2</small>	CHECKED:  MOISES D. MANAHAN, ABCE, MEE <small>Engineer II (ABE NO. 0003377) Chief, RAE</small>	RECOMMENDED:  ENGR. ALBERT A. BANTOG <small>Regional Technical Director</small>	APPROVED:  Regional Director	SHEET NO.: S 2 PAGE NO.: 6 8
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**TRUSS-1**  
SCALE

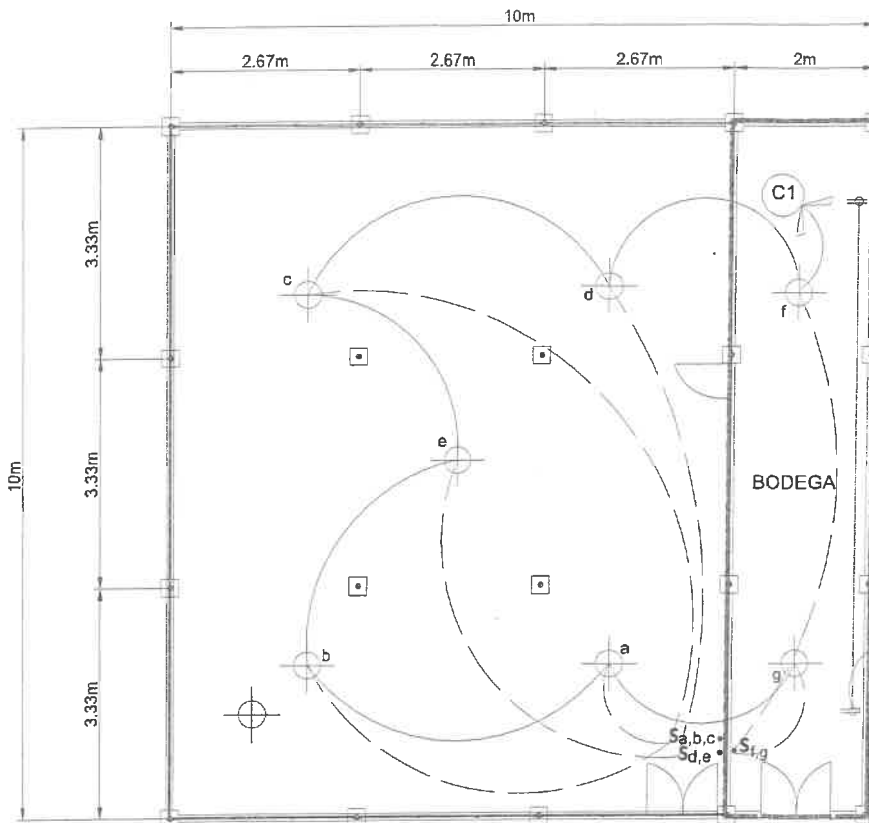


**TYPICAL STEEL BEAM DETAIL**  
SCALE NTS

NOTE: MATERIALS SPECIFICATIONS:  
TOP AND BOTTOM CHORD: 38.1mmx38.1mmX4.5mm Angle Bar  
WEB MEMBERS: 25mmx25mmx4.5mm Angle BAar

IMPLEMENTING AGENCY: REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM (Breeder House) BRGY. 6, POBLACION, ISGARAS, ILOILO	SHEET CONTENTS: AS SHOWN	PREPARED: JERRY W. GUANCO, ABE Engineer II (ABE NO. 0007299)	REVIEWED/SUBMITTED: YVONNE GUANCE-AY, ABE Engineer II (ABE NO. 0008370) Head, RDO	CHECKED: M. SES O. MANA-AY, ABE, MEE Engineer II (ABE NO. 0008777) Chief, RAED	RECOMMENDED: ENGR. JOSE ALBERT A. BARRIOGO Regional Technical Director	APPROVED: Regional Executive Director	SHEET NO.: S 3 PAGE NO.: 7 8
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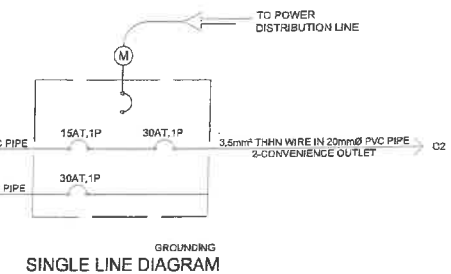


### SCHEDULE OF LOADS FOR LPP

NO.	LOAD DESCRIPTION	VOLTAGE (V)	POWER (VA)	CURRENT (AMP)	CIRCUIT PROTECTION	SIZE OF WIRE AND CONDUIT
C1	7- LIGHTING OUTLETS	230	84	0.37	15AT, 1P	2.0mm <sup>2</sup> THHN WIRE IN 20mmØ PVC PIPE
C2	2- CONVENIENCE OUTLETS	230	400	1.74	30AT, 1P	3.5mm <sup>2</sup> THHN WIRE IN 20mmØ PVC PIPE
C3	SPARE	230	1500	6.52	30AT, 1P	5.5mm <sup>2</sup> THHN WIRE IN 25mmØ PVC PIPE
TOTAL CONNECTED LOAD			4984	8.83	40AT, 1P	

#### LEGEND:

- CEILING LIGHT
- WALL LIGHT
- CONV. OUTLET
- WATER-PROOF CONV. OUTLET
- REFRIGERATOR OUTLET
- RANGE OUTLET
- AIR-CONDITIONING UNIT OUTLET
- PANEL BOARD
- LED STRIP LIGHT
- CIRCUIT HOMERUN
- S1 SINGLE SWITCH
- S2 TWO GANG SWITCH
- S3 THREE GANG SWITCH
- S3W THREE-WAY SWITCH
- GROUNDING

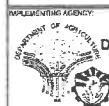


#### DESIGN ANALYSIS

- CIRCUIT 1** LOAD: 10-12W (MAX.)  
 $I = 12W(7) / (230) = 3.37A$   
 USE: 15 AT, 1P, 240V CIRCUIT BREAKER  
 2.0mm<sup>2</sup> THHN COPPER WIRE  
 IN 20mmØ UPVC PIPE
- CIRCUIT 2** LOAD: 2-209W (MAX.)  
 $I = 200W(2) / (230) = 1.74A$   
 USE: 30 AT, 1P, 240V CIRCUIT BREAKER  
 3.5mm<sup>2</sup> THHN COPPER WIRE  
 IN 20mmØ UPVC PIPE
- CIRCUIT 3** LOAD: 1-1500W (MAX.) SPARE  
 $I = 1500W(1) / (230) = 6.52A$   
 30AT, 1P, 240V CIRCUIT BREAKER  
 5.5mm<sup>2</sup> THHN COPPER WIRE  
 IN 25mmØ UPVC PIPE
- TOTAL CONNECTED LOAD**  
 $I_L = 4984 / 230 = 22.65A$
- USE: 40AT/50AF, 2P, 240V CIRCUIT BREAKER  
 FEEDER SIZE: 8.0mm<sup>2</sup> THHN/THWN COPPER WIRE  
 CONDUIT SIZE: 25mmØ UPVC PIPE

#### SPECIFICATIONS:

- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC) WITH THE RULES AND REGULATIONS OF THE NATIONAL BUILDING CODE AND LOCAL AUTHORITIES CONCERNED.
- THE TYPE OF ELECTRICAL INSTALLATION HEREIN SHALL BE SINGLE PHASE, 220V, 60Hz.
- SIZE OF SERVICE ENTRANCE CONDUCTORS FOR LPP SHALL BE \_\_\_\_\_ THW WIRE IN \_\_\_\_\_ RSC PIPE.
- SIZE OF MAIN SERVICE EQUIPMENT FOR LPP SHALL BE \_\_\_\_\_, 1P CIRCUIT BREAKER.
- WIRING INSTALLATION SHALL BE DONE IN PVC CONDUIT FOR LIGHTINGS AND SYSTEMS THAT ARE EMBEDDED IN CONCRETE WALLS.
- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE BY LICENSED ELECTRICAL PRACTITIONER OR NON-LICENSED ELECTRICAL PRACTITIONER UNDER THE SUPERVISION OF A LICENSED ELECTRICAL PRACTITIONER.



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

PROJECT NAME & LOCATION:  
 CONSTRUCTION OF  
 NATIVE CHICKEN  
 MULTIPLIER FARM  
 (Breeder House)  
 BRGY. 6, POBLACION, IGBARAS, ILOILO

SHEET CONTENTS:  
 AS SHOWN

PREPARED BY:  
 JERRY B. GUANCO, ABE  
 Engineer II (ASE NO. 200728)

REVIEWED/SUBMITTED:  
 WOLFF M. ACACIA, SUR, ABE  
 Engineer II (ASE NO. 200728)

CHECKED BY:  
 MONSIEUR D. MANA-AY, IRE, MEE  
 Chief, RAED

RECOMMENDED BY:  
 ENGR. JOSE ALBERT A. BARRERO  
 Regional Technical Director

APPROVED BY:  
 ROBERTO L. ABILA  
 Regional Executive Director

SHEET NO.:  
 E  
 1  
 PAGE NO.:  
 8  
 8



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

PROJECT: \_\_\_\_\_ COST: \_\_\_\_\_  
LOCATION: \_\_\_\_\_ FUND SOURCE/S: \_\_\_\_\_  
IMPLEMENTING AGENCY : DEPARTMENT OF AGRICULTURE -WESTERN VISAYAS  
DEVELOPMENT PARTNERS : \_\_\_\_\_  
CONTRACTOR SUPPLIER : \_\_\_\_\_  
BRIEF DESCRIPTION OF PROJECT: \_\_\_\_\_

PROJECT DETAILS:

DURATION	PROJECT DATE		PERCENTAGE OF COMPLETION	PROJECT STATUS			REMARKS
	STARTED	TARGET DATE OF COMPLETION		AS OF (DATE)	COST INCURRED TO DATE	DATE COMPLETED	

FOR PARTICULARS FOR COMPLAINTS ABOUT THIS PROJECT, PLEASE CONTACT THE REGIONAL OFFICE OR CLUSTER WHICH HAS AUDIT JURISDICTION ON THIS PROJECT.

COA REGIONAL OFFICE NO./ CLUSTER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CONTACT NO.: \_\_\_\_\_ OR TEXT COA CITIZEN'S DESK AT 0915-5391957



**COA BILLBOARD**

NOT DRAWN TO SCALE



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE

**DA-LEED 2024  
D.A. LOGO ,NAME PLATE & LETTERING**



NOT DRAWN TO SCALE

DA LOGO SIZE: 0.60m diam.  
Application: Painted on the Top of Roof

NOTE FOR NAMEPLATE OR LETTERING:

FONT :Arial Bold  
FONT SIZE:0.70 m per letter  
COLOR OF PAINT:Pure White  
APPLICATION: Painted on Top of Roofing of the Breeder House

PROJECT NAME:  
LOCATION:

CONTRACTOR : \_\_\_\_\_  
DATE STARTED : \_\_\_\_\_  
CONTRACT COMPLETION FORM : \_\_\_\_\_  
CONTRACT COST : \_\_\_\_\_  
CONSTRUCTION CONSULTANT : \_\_\_\_\_  
IMPLEMENTING OFFICE: DEPARTMENT OF AGRICULTURE-WESTERN VISAYAS  
SOURCE OF FUND : \_\_\_\_\_



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

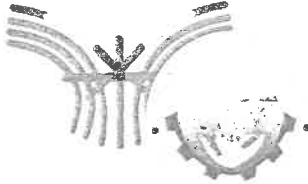
-THE BILLBOARD DESIGN LAYOUT AND DIMENSION SHALL BE ON A STANDARD BILLBOARD MEASURING 1200mm x 2400mm (4ft x 8ft.) USING 12mm (1/2 INCH) THICK MARINE PLYWOOD OR TARPAULIN POSTED ON 5mm (3/16 INCH) MARINE PLYWOOD.  
-THE BILLBOARD SHALL BE INSTALLED IN FRONT OF THE PROJECT SITE.



**PROJECT SIGNBOARD**

NOT DRAWN TO SCALE

IMPLEMENTING AGENCY:	PROJECT NAME & LOCATION:	(SHEET CONTENTS):	PREPARED:	REVIEWED/SUBMITTED:	CHECKED:	RECOMMENDED:	APPROVED:	SHEET NO.:
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	CONSTRUCTION OF NATIVE CHICKEN MULTIPLIER FARM (Breeder House) BRGY. 6, POBLACION, IGBARAS, ILOILO	AS SHOWN	 JERRY S. GUANCO, ABE Engineer II (ABE NO. 0007205)	 YVONNE L. PRINCE, EIR, ABE Engineer II (ABE NO. 0007205) Lead, EIR	 MARISSA D. MANA-AY, EBE, MEE Engineer II (ABE NO. 0007205) Chief, RAED	 JOSE ALBERT A. BARROLO Principal Technical Director	 Regional Executive Director	 PAGE NO.:
			CAD BY: M.A. LOYOLA					



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF AGRICULTURE

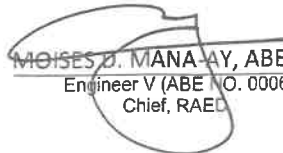
WESTERN VISAYAS  
PAROLA, ILOILO CITY

DETAILED ENGINEERING DESIGN PLANS  
CONSTRUCTION OF NATIVE CHICKEN  
MULTIPLIER FARM  
(BROODER HOUSE)  
(LEED PROGRAM 2024)

BRGY. 6, POBLACION, IGBARAS, ILOILO

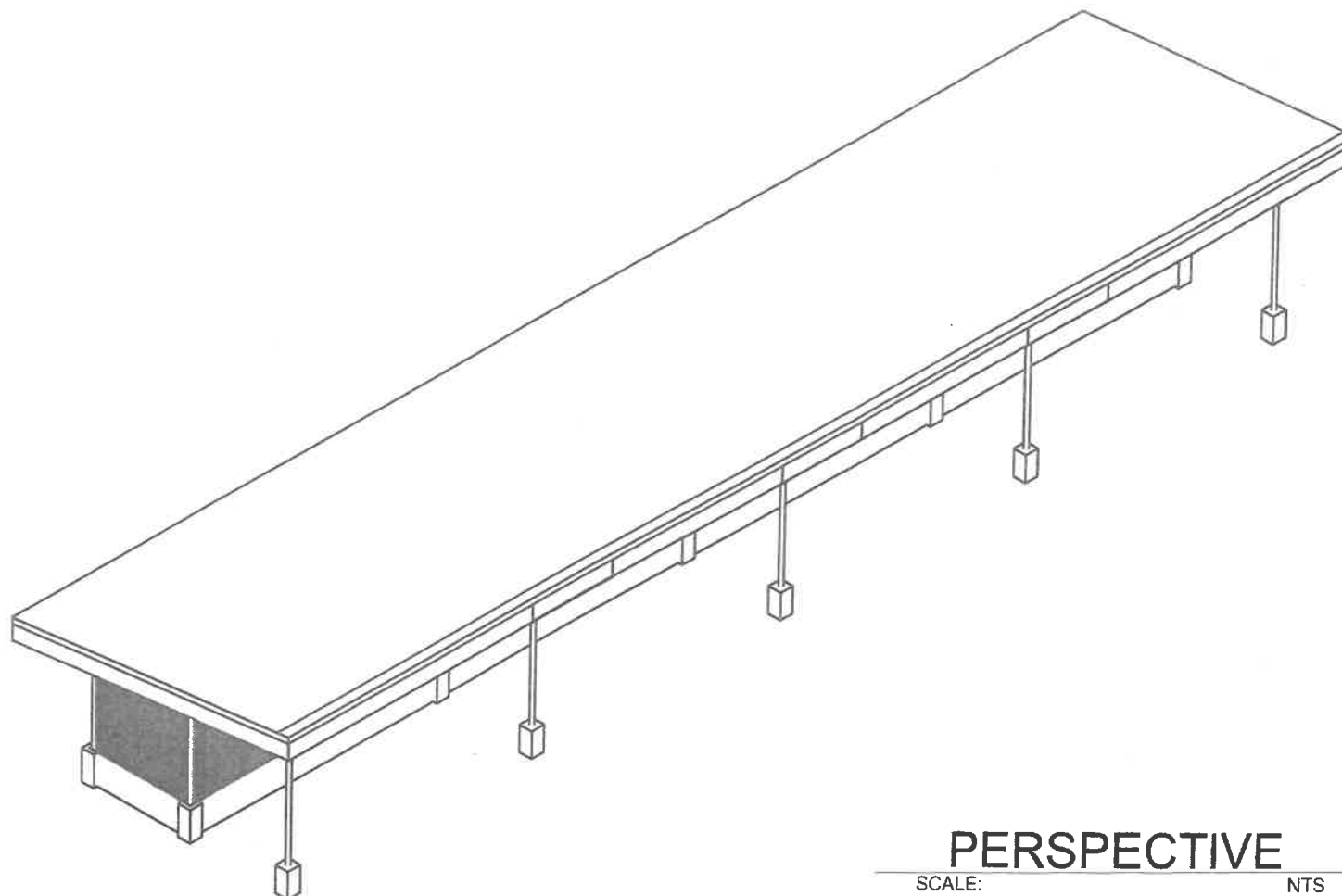
  
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RTD For Operations and Extension



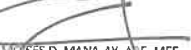


  
DENNIS R. ARPIA  
Regional Executive Director



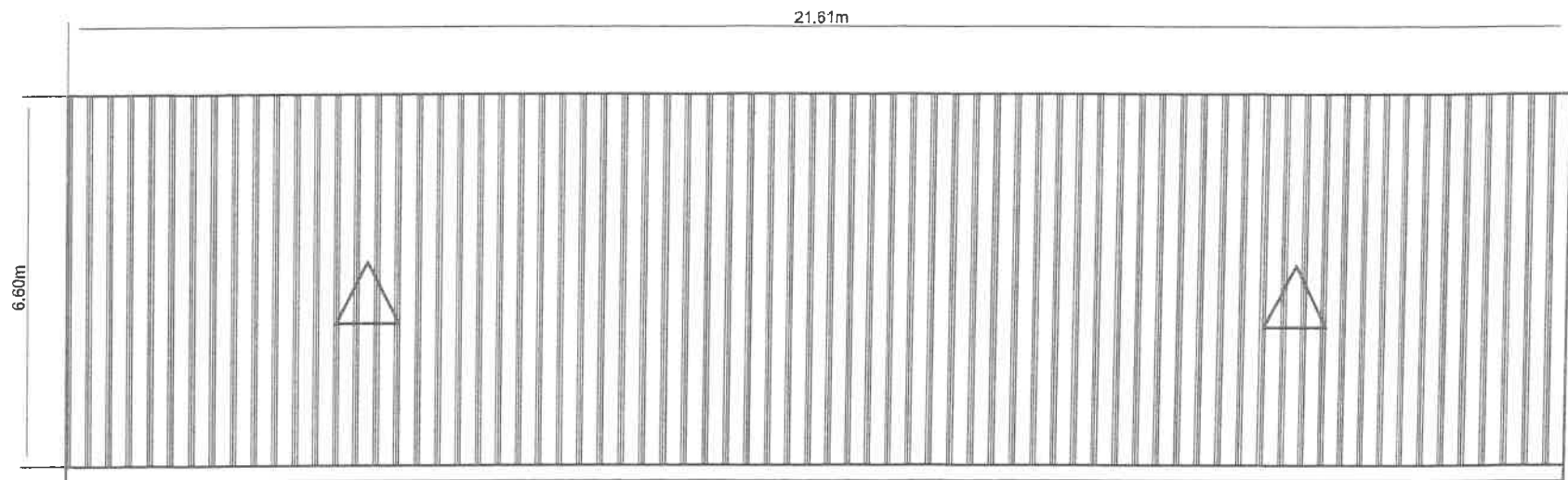
**PERSPECTIVE**

SCALE:

NTS

IMPLEMENTING AGENCY <b>REPUBLIC OF THE PHILIPPINES</b> <b>DEPARTMENT OF AGRICULTURE</b> <b>WESTERN VISAYAS</b> PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: <b>CONSTRUCTION OF NATIVE CHICKEN HOUSE FOR MULTIPLIER FARM (BROODER HOUSE)</b> BRGY 5, POBLACION, IGBARAS, ILOILO	SHEET CONTENTS: PERSPECTIVE CAD BY: MALLOYOLA	PREPARED:  <b>JERRY B. BUANCO, ABE</b> Engineer III (ABE NO. 000729)	REVIEWED:  <b>YVONNE L. V. S. R. ABE</b> Engineer III (ABE NO. 000810) Field, WDOSS	SUBMITTED:  <b>MOSES D. MANA-AY, ABE, MEE</b> Engineer I (ABE NO. 000547) Chief, RAED	APPROVED BY:  <b>ENGR. JOSE ALBERT A. BARROJO</b> Field Operations and Extension	APPROVED BY:  <b>DENNIS R. ARPJA</b> Agriculture Education Director	SHEET NO.: <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;">A 1</div> </div> PAGE NO.: <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;">1 8</div> </div>
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ROOFING MATERIAL: 0.5mm CORR. G.I SHEETS  
END FLASHING: 0.5mm G.I

## ROOF PLAN

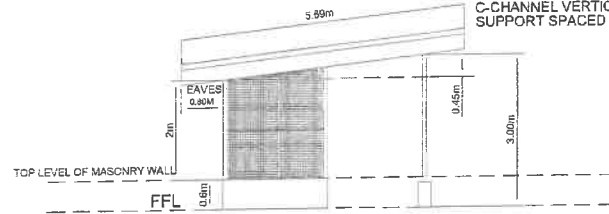
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IMPLEMENTING AGENCY  REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION : CONSTRUCTION OF NATIVE CHICKEN HOUSE FOR MULTIPLIER FARM (BROODER HOUSE) BRGT 5, POBLACION, IGBARAS, ILOILO	SHEET CONTENTS : ROOF PLAN CAD BY: M.A. LOYOLA	PREPARED :  JERRY S. GUANCO, ABE, SEC Engineer III (PSE No. 0001246)	REVIEWED:  YVONNE U. ACE, ABE Engineer III (PSE No. 0003570) Head, EPD	SUBMITTED:  MOISE D. MANA-AY, ABE, MEE Engineer V (PSE No. 000577) Chief, RAED	APPROVED BY :  ENGR. S. ALBERT A. BARICOGO Chief, Operations and Extension	APPROVED BY :  ENGR. R. ARPIA Assistant Executive Director	SHEET NO. : A 4 PAGE NO. : 4 8
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1200mmx2400mm X1.5MM TUBULAR  
CORNER AND END SUPPORT

3 LAYER -100mm CHB WALL W/ 10mmØ HORIZONTAL  
AND VERTICAL BAR SPACED @0.60M B.W

Gauge #16 HOT DIPPED GALVANIZED WELDED WIRE  
MESH (1/4" HOLE) WITH 50mmx50mmx1.2mm  
C-CHANNEL VERTICAL AND HORIZONTAL  
SUPPORT SPACED @ 1.20M O.C B.W



**FRONT VIEW**

SCALE: 1:100

1200mmx2400mmX1.5MM TUBULAR  
CORNER AND END SUPPORT

3 LAYER - 100mm CHB WALL W/ 10MM HORIZONTAL  
AND VERTICAL BAR SPACED @0.60M B.W

Gauge #16 HOT DIPPED GALVANIZED WELDED WIRE  
MESH (1/4" HOLE) WITH 50mmx50mmx1.2mm  
C-CHANNEL VERTICAL AND HORIZONTAL  
SUPPORT SPACED @ 1.20M O.C B.W



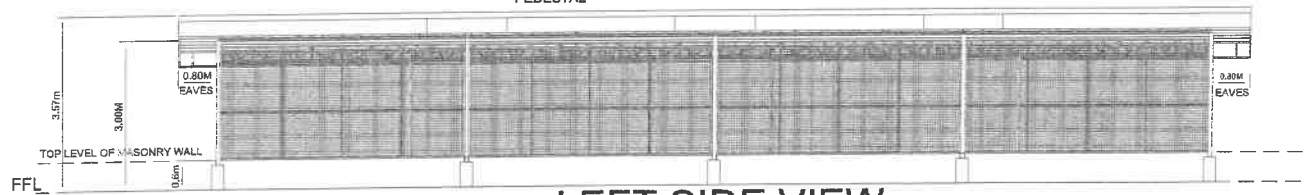
**REAR VIEW**

SCALE: 1:100

3 LAYER -100mm CHB WALL W/ 10MM HORIZONTAL  
AND VERTICAL BAR SPACED @0.60M B.W

STEEL BEAM  
75mm G.I PIPE S-40 STEEL  
POST EMBEDDED TO  
0.25MX0.25M CONCRETE  
PEDESTAL

Gauge #16 HOT DIPPED GALVANIZED WELDED WIRE  
MESH (1/4" HOLE) WITH 50mmx50mmx1.2mm  
C-CHANNEL VERTICAL AND HORIZONTAL  
SUPPORT SPACED @ 1.20M O.C B.W



**LEFT SIDE VIEW**

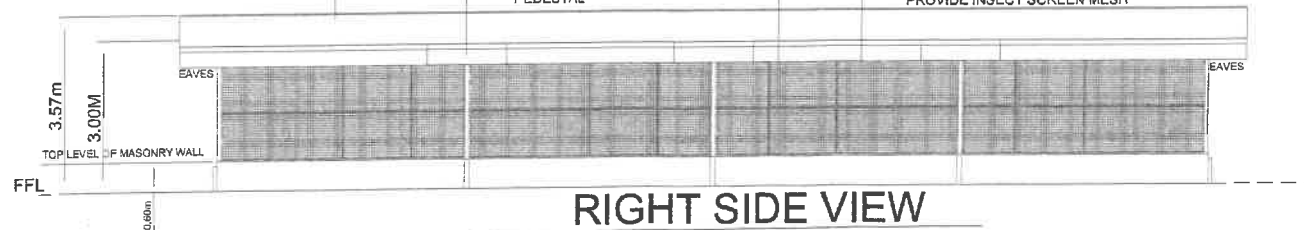
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3 LAYER -100mm CHB WALL W/ 10MM HORIZONTAL  
AND VERTICAL BAR SPACED @0.60M B.W

0.4MM G.I PRE-FAB FLASHING

75mm G.I PIPE S-40 STEEL  
POST EMBEDDED TO  
0.25MX0.25M CONCRETE  
PEDESTAL

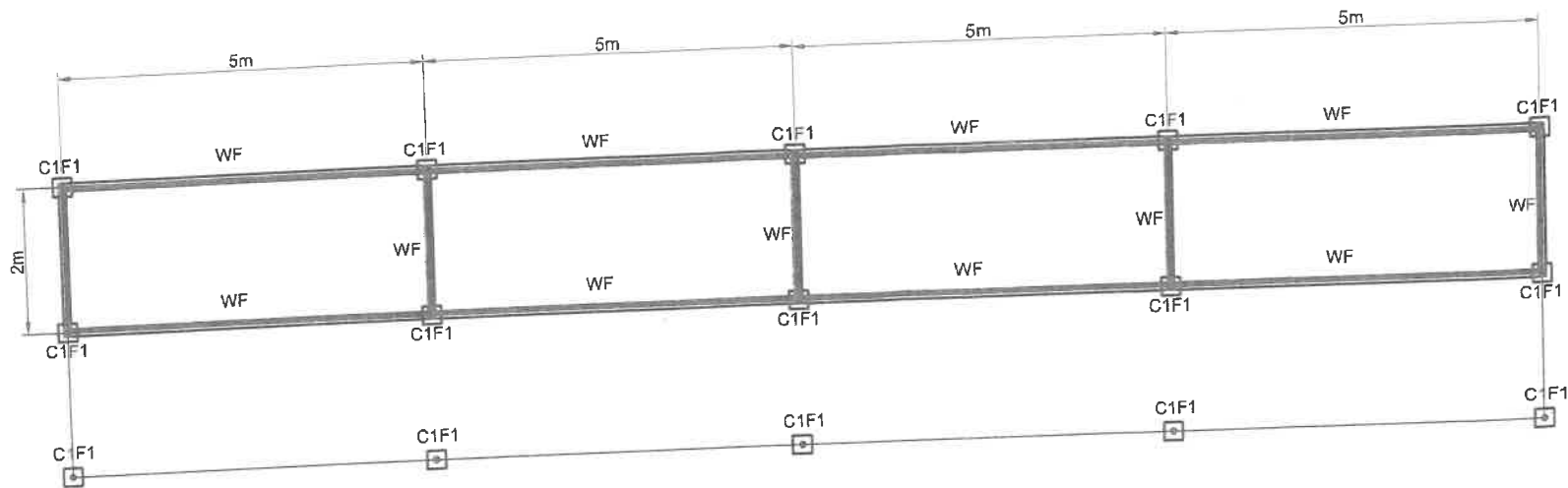
Gauge #16 HOT DIPPED GALVANIZED WELDED WIRE  
MESH (1/4" WITH 50mmx50mmx1.2mm  
C-CHANNEL VERTICAL AND HORIZONTAL  
SUPPORT SPACED @ 1.20M O.C B.W  
PROVIDE INSECT SCREEN MESH



**RIGHT SIDE VIEW**

SCALE: 1:100

	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: CONSTRUCTION OF NATIVE CHICKEN HOUSE FOR MULTIPLIER FARM (BROODER HOUSE) BRGY 5, POGUACION, IGBARAS, ILOILO	SHEET CONTENTS: ELEVATIONS	PREPARED BY: JERRY S. GUANCO, ABE Engineer II (ABE NO. 0007286)	REVIEWED BY: YVONNE GRACE V. SUR, ABE Engineer II (ABE NO. 0007286)	SUBMITTED BY: MARICEL M. RIVERA Engineer II (ABE NO. 0007286)	APPROVED BY: INGRID A. ALBERTA, BARRO Engineer II (ABE NO. 0007286)	APPROVED BY: D. S. ARPIA Regional Director	SHEET NO.: A 3 PAGE NO.: 3 8



## FOUNDATION PLAN

SCALE:

1:20

**NOTE:**  
PROVIDE UNREINFORCED 75mm THICK  
CONCRETE FLOORING



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

PROJECT NAME & LOCATION:

CONSTRUCTION OF  
NATIVE CHICKEN HOUSE  
FOR MULTIPLIER FARM  
(BROODER HOUSE)

BRGY 6, POBLACION, IGBARAS, ILOILO

SHEET CONTENTS:

FOUNDATION PLAN

CAD BY: M.A. LOYOLA

PREPARED:

JERRY B. GUANCO, ABS  
Engineer II (ABE NO. 0007254)

REVIEWED:

YVONNE GUANCEA, SR. ABE  
Engineer III (ABE NO. 0008110)  
Head, R.D. 6

SUBMITTED:

MOISES J. MANA-AY, BE, MEE  
Chief, RAED

APPROVED BY:

ENGR. JOSE ALBERT A. BARRALLO  
Chief, RAED

APPROVED BY:

ENGR. R. ARPIA  
Chief, RAED

SHEET NO.:

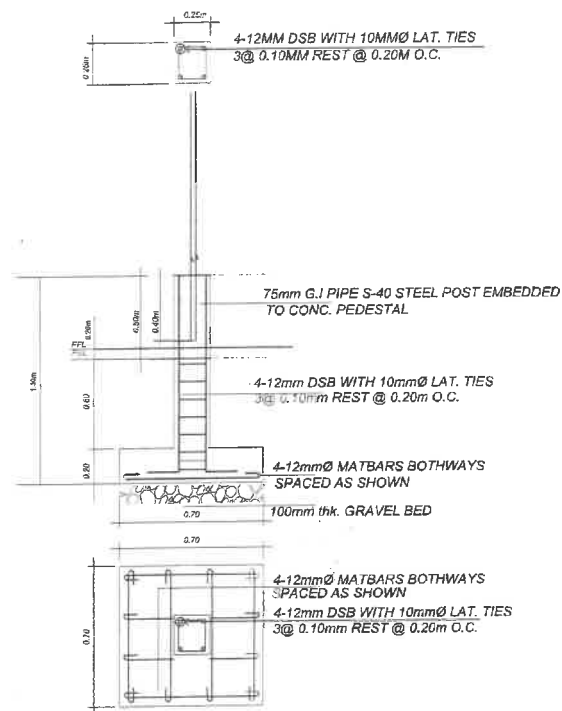
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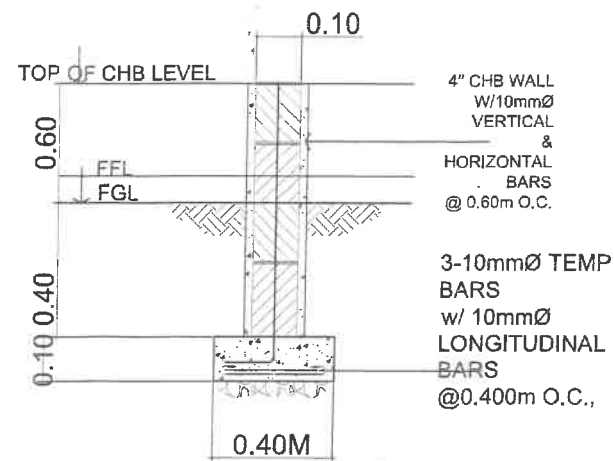
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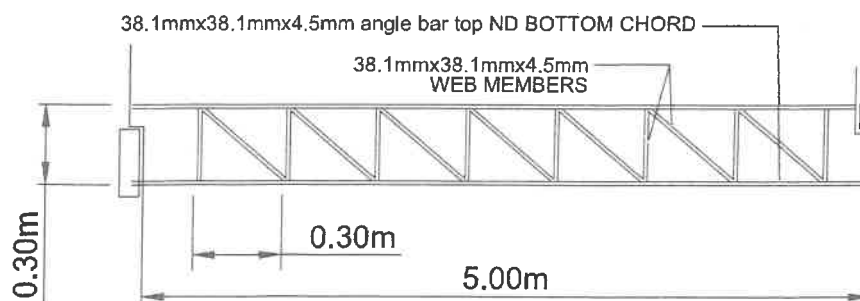
### C1/F1 DETAIL

SCALE 1:15





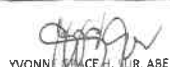



### WF DETAIL

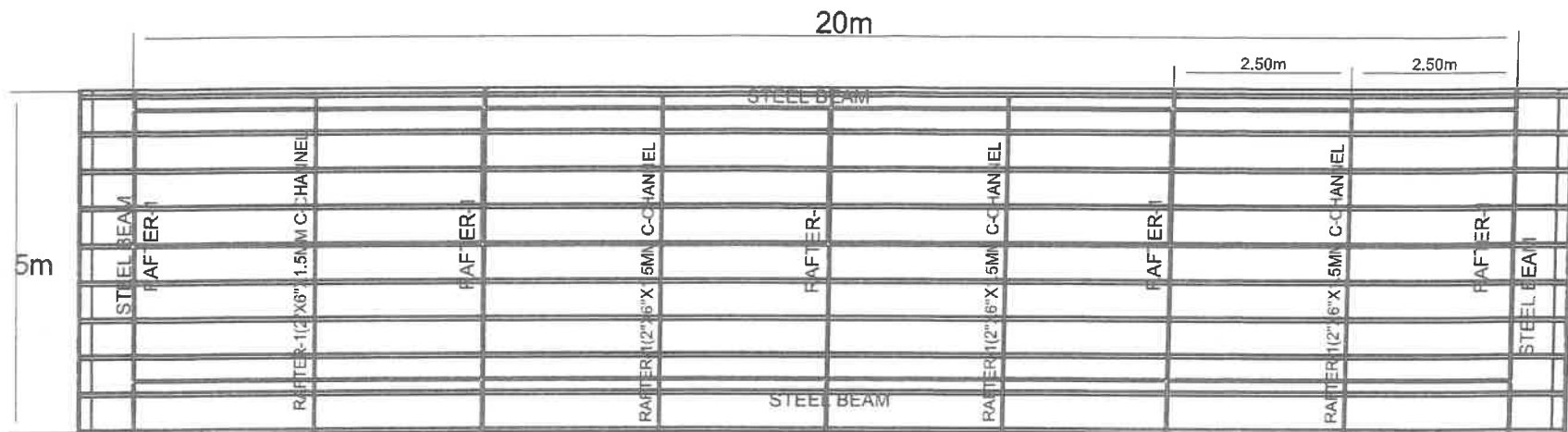
SCALE: NTS



### TYPICAL STEEL BEAM DETAIL

SCALE: NTS

IMPLEMENTING AGENCY:  REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: CONSTRUCTION OF NATIVE CHICKEN HOUSE FOR MULTIPLIER FARM (BROODER HOUSE) BRGY 5, POBLACION, IGBARAS, ILOILO	SHEET CONTENTS: TYPICAL STEEL BEAM DETAIL WALL FOOTING DETAIL COLUMN FOOTING DETAIL CAD BY: M.A. LOYOLA	PREPARED:  JERRY S. GUANCO, ABCE Engineer II (Mechanical)	REVIEWED:  WVONNY GRACE H. R. ABE Engineer III (Mechanical) (Supervisor) Head, EDS	SUBMITTED:  MOUSSEER MICAELA-A. ABE, MEE Engineer V (Mechanical) (Supervisor) Chief, RAED	APPROVED BY:  ENGR. JOSE ALBERT A. BARRAGO Assistant Operations and Evaluation Head, RAED	APPROVED BY:  ENGR. J. ARPILA Head, RAED	SHEET NO.: S 2 PAGE NO.: 6 8
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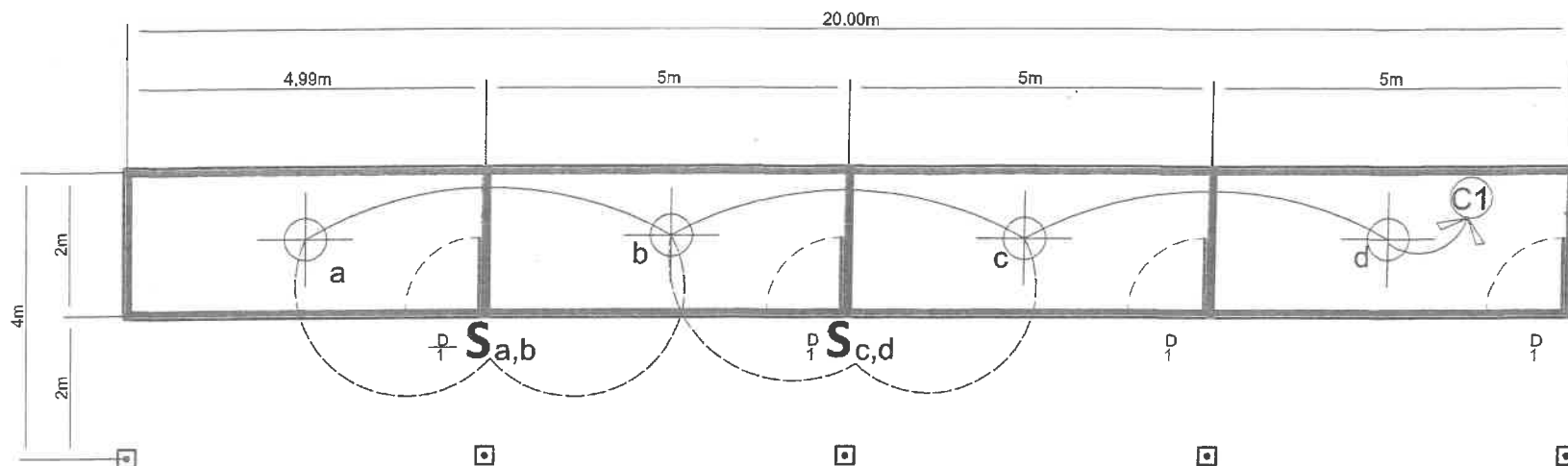
## ROOF FRAMING

SCALE:

NTS

NOTE: SPACING OF RAFTER TYPE TRUSS= 2.50meters  
PURLINS=50mmx100mmx1.5mm CEE-PURLIN  
@ 500mm O.C

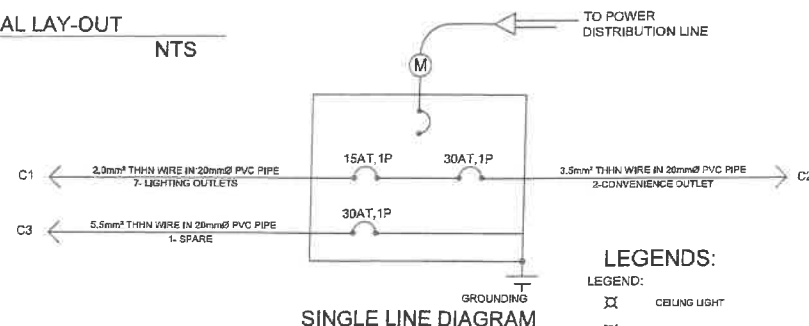
IMPLEMENTING AGENCY:  REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: CONSTRUCTION OF NATIVE CHICKEN HOUSE FOR MULTIPLIER FARM (BROODER HOUSE) BRGY 5, POBLACION, IGBARAS, ILOILO	SHEET CONTENTS: ROOF FRAMING PLAN CAD BY: M.A. LOYOLA	PREPARED:  JERRY B. CUANCO, ABS Engineer II (EES No. 100128)	REVIEWED:  YVONNE MACA, H. R. ABE E. Engineer III (EES No. 100128) Chief, EPD/S	SUBMITTED:  MOISES D. MANA-AY, ABE, MEE E. Engineer IV (EES No. 100128) Chief, RAED	APPROVED BY:  ENGR. JOSE ALBERT A. BARRIDO E. Engineer IV (EES No. 100128) Chief, RAED	APPROVED BY:  DE E. Engineer IV (EES No. 100128) Chief, RAED	SHEET NO.: 3 PAGE NO.: 7 8
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ELECTRICAL LAY-OUT  
SCALE: NTS

### SCHEDULE OF LOADS FOR LPP

NO.	LOAD DESCRIPTION	VOLTAGE (V)	POWER (VA)	CURRENT (AMP)	CIRCUIT PROTECTION	SIZE OF WIRE AND CONDUIT
C1	4- LIGHTING OUTLETS	230	84	0.37	15AT, 1P	2.0mm <sup>2</sup> THHN WIRE IN 20mmØ PVC PIPE
C2	2- CONVENIENCE OUTLETS	230	400	1.74	30AT, 1P	3.5mm <sup>2</sup> THHN WIRE IN 20mmØ PVC PIPE
C3	SPARE	230	1500	6.52	30AT, 1P	5.5mm <sup>2</sup> THHN WIRE IN 20mmØ PVC PIPE
TOTAL CONNECTED LOAD			4984	8.63	40AT, 1P	



SINGLE LINE DIAGRAM

### LEGENDS:

⊗	CILING LIGHT
⊗	WALL LIGHT
⊗	CONV. OUTLET
⊗	WATER-PROOF CONV. OUTLET
⊗	REFRIGERATOR OUTLET
⊗	RANGE OUTLET
⊗	AIR-CONDITIONING UNIT OUTLET
⊗	PANEL BOARD
⊗	LED STRIP LIGHT
⊗	CIRCUIT HOMERUN
S1	SINGLE SWITCH
S2	TWO GANG SWITCH
S3	THREE GANG SWITCH
S3W	THREE-WAY SWITCH
⊕	GROUNDING

### DESIGN ANALYSIS

CIRCUIT 1 LOAD: 10-12W (MAX.) I = 12W(7) / (230) = 0.37A USE: 15 AT, 1P, 240V CIRCUIT BREAKER 2.0mm <sup>2</sup> THHN COPPER WIRE IN 20mmØ UPVC PIPE	CIRCUIT 3 1-1500W (MAX.), SPARE I = 1500W(1) / (230) = 6.52A 30AT, 1P, 240V CIRCUIT BREAKER 5.5mm <sup>2</sup> THHN COPPER WIRE IN 25mmØ UPVC PIPE
	TOTAL CONNECTED LOAD I/L = 4984/230 = 21.67 A
CIRCUIT 2 LOAD: 2-200W (MAX.) I = 200W(2) / (230) = 1.74A USE: 30 AT, 1P, 240V CIRCUIT BREAKER 3.5mm <sup>2</sup> THHN COPPER WIRE IN 20mmØ UPVC PIPE	USE: 40AT/50AF, 2P, 240V CIRCUIT BREAKER FEEDER SIZE: 8.0mm <sup>2</sup> THHN/THWN COPPER WIRE CONDUIT SIZE: 25mmØ UPVC PIPE

### SPECIFICATIONS:

- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC) WITH THE RULES AND REGULATIONS OF THE NATIONAL BUILDING CODE AND LOCAL AUTHORITIES CONCERNED.
- THE TYPE OF ELECTRICAL INSTALLATION HEREIN SHALL BE SINGLE PHASE, 220V, 60Hz.
- SIZE OF SERVICE ENTRANCE CONDUCTORS FOR LPP SHALL BE \_\_\_\_\_ THW WIRE IN \_\_\_\_\_ RSC PIPE.
- SIZE OF MAIN SERVICE EQUIPMENT FOR LPP SHALL BE \_\_\_\_\_, 1P CIRCUIT BREAKER.
- WIRING INSTALLATION SHALL BE DONE IN PVC CONDUIT FOR LIGHTINGS AND SYSTEMS THAT ARE EMBEDDED IN CONCRETE WALLS.

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY</p>	<p>PROJECT NAME &amp; LOCATION: CONSTRUCTION OF NATIVE CHICKEN HOUSE FOR MULTIPLIER FARM (BROODER HOUSE)</p> <p>BRGY 5, POSLACION, IGBARAS, ILOILO</p>	<p>SHEET CONTENTS: ELECTRICAL LAY-OUT LOAD ANALYSIS LEGENDS RISER DIAGRAM SPECIFICATIONS</p>	<p>PREPARED: JERRY B. GUANCO, ABE Engineer II (ABE NO. 0007294)</p>	<p>REVIEWED: YVONNE GUANCO, SUE ABE Engineer II (ABE NO. 0007294) HIV LEFDSS</p>	<p>SUBMITTED: MOISES MANA-AY, ABE, MEE Engineer II (ABE NO. 0007294) Chief, RAED</p>	<p>APPROVED BY: ENGR. JOSE ALBERT A. BARROLO Engineer II (ABE NO. 0007294) Chief, RAED</p>	<p>APPROVED BY: DENIS A. RPL Engineer II (ABE NO. 0007294) Chief, RAED</p>	<p>SHEET NO.: E 1 PAGE NO.: 8 8</p>
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