

# Bid Form

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Date: \_\_\_\_\_  
Philgeps Ref. No. : \_\_\_\_\_

To: **UNIVERSITY OF RIZAL SYSTEM**

Gentlemen and/or Ladies:

Having examined the Plans including the Bill of Quantities, we, the undersigned, offer to do the **Construction of Chicken Grower House at URS Tanay Campus** in conformity with the said Plans for the sum \_\_\_\_\_ of

\_\_\_\_\_ (P \_\_\_\_\_)  
or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to do the Construction in accordance with the delivery schedule specified in the contract.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:<sup>1</sup>

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state "None")

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the lowest or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per your invitation for quotation.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
[Signature]

\_\_\_\_\_  
[in the capacity of]

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

\_\_\_\_\_



Republic of the Philippines  
**DEPARTMENT OF AGRICULTURE**  
 REGIONAL FIELD OFFICE No. IV - A  
**REGIONAL AGRICULTURAL ENGINEERING DIVISION**

Project : CONSTRUCTION OF CHICKEN GROWER HOUSE

Location : CALABARZON

Project Cost: Php 500,000.00

Fund Source: Balik Probinsya Bagong Pag-asa Program (F.Y. 2023)

**PROGRAM OF WORKS**

Item No.	Description	Unit	Quantity	Unit Cost (P)	Total Amount (P)
<b>II. GENERAL REQUIREMENTS</b>					
1	Mobilization and Demobilization	lot	1.00	7,500.00	7,500.00
2	Health and Safety	lot	1.00	2,500.00	2,500.00
3	Equipment, Tools, and Scaffoldings	lot	1.00	5,000.00	5,000.00
				<i>sub-total amount:</i>	7,500.00
<b>I. SITE WORKS</b>					
<i>counterpart by recipient</i>					
1	Embankment from Borrow				
2	Embankment from Structural Excavation	cu.m	9.00	231.64	2,084.76
3	Excavation	sq.m	20.00	360.75	7,215.00
4	Gravel Fill	cu.m	1.80	1,400.00	2,520.00
5	Structural Formworks	sq.m	27.18	197.68	5,370.22
				<i>sub-total amount:</i>	17,192.08
<b>II. CIVIL WORKS</b>					
1	Portland Cement	bags	85.00	250.00	21,250.00
2	Sand	cu.m	5.50	1,200.00	6,600.00
3	Gravel 3/4"	cu.m	10.50	1,400.00	14,840.00
4	4" thick Concrete Hollow Blocks	pcn	278.00	16.00	4,448.00
5	10mm x 6m dia. Rebar	kg	527.00	55.00	28,985.00
6	12mm x 6m dia. Rebar	kg	553.00	55.00	30,415.00
7	2 1/2" diameter Schedule 40 G.I Pipe	pcn	6.00	3,877.00	23,262.00
8	1" diameter Schedule 40 G.I Pipe	pcn	27.00	1,135.00	30,645.00
9	Galv. Tie Wire	roll	3.00	80.00	240.00
				<i>sub-total amount:</i>	180,685.00
<b>III. ROOF WORKS</b>					
1	GA. 26 Pre-painted corrugated long span roofing (1.22m x 2.44m)	sq.m	64.00	480.00	30,720.00
2	GA. 26 Pre-painted Ridge roll 0.26mm thick	lm	10.00	180.00	1,800.00
3	1.1mm x 2" x 3" C-purlins	kg	844.00	55.00	35,420.00
4	6mm x 2" x 2" Angle Bar	kg	374.00	55.00	20,570.00
5	6mm x 1 1/2" x 1 1/2" Angle Bar	kg	30.00	85.00	2,550.00
				<i>sub-total amount:</i>	90,160.00
<b>IV. OTHERS</b>					
1	Cyclone Wire Galv. 50mm x 50mm, 10m x 4 ft wire mesh size	roll	9.00	2,285.00	20,565.00
2	Epoxy Paint	gal	3.00	690.00	2,070.00
3	Welding Rod	kg	5.00	110.00	550.00
				<i>sub-total amount:</i>	23,185.00
<b>Breakdown of Estimated Cost:</b>					
<b>Direct Cost:</b>					<b>380,926.88</b>
Material Cost				274,038.00	
Labor Cost				62,209.00	
General Requirements & Site/Earthworks				24,689.88	
<b>Indirect Cost:</b>					<b>119,040.31</b>
Contractor's Profit (10% DC)				38,092.90	
OCM (15% DC)				57,139.35	
Tax, 5%(DC+CP+OCM)				23,808.06	
<b>Total Cost:</b>					<b>499,967.19</b>
<b>Total Project Cost (Php)</b>				<b>say</b>	<b>500,000.00</b>

Prepared by:

**CHRISTELLE JOY M. DILoy**  
 RAED Staff

Checked by:

**ENGR. MARK ANTHONY A. FORDAN**  
 OIC - EPDSS Chief

Certified Correct:

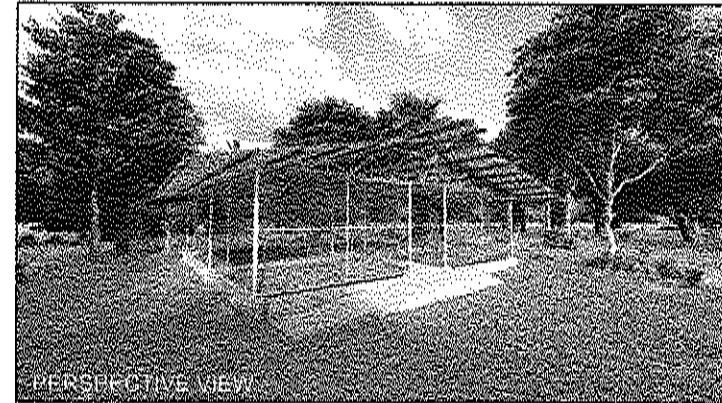
**ENGR. ROMELO F. REYES**  
 OIC - RAED Chief

Recommending Approval:

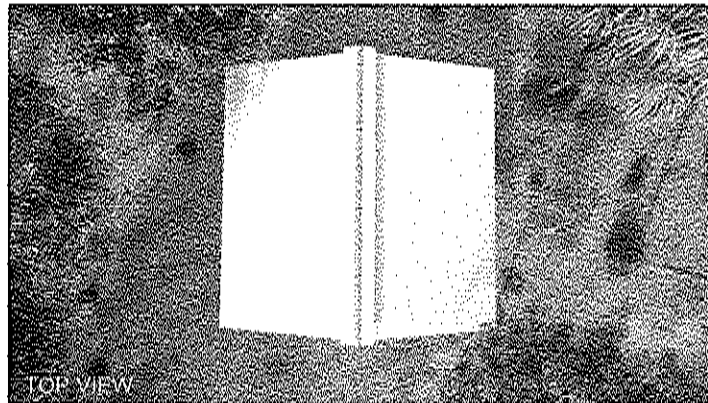
**ENGR. MARCOS C. AVES, SR.**  
 OIC - RTD for Operations and Extension

Approved by:

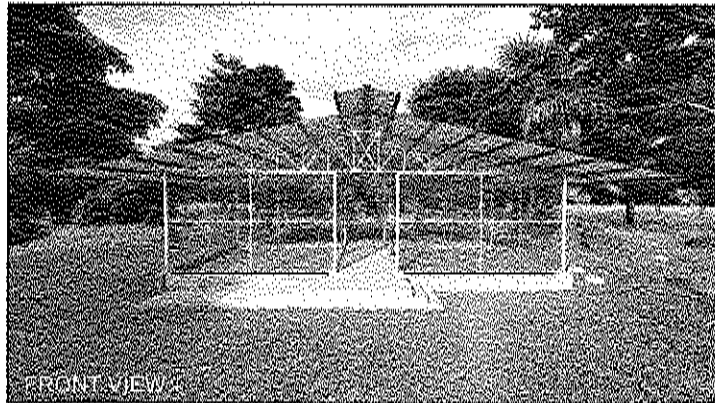
**MILO D. DELOS REYES, CESE**  
 OIC - Regional Executive Director



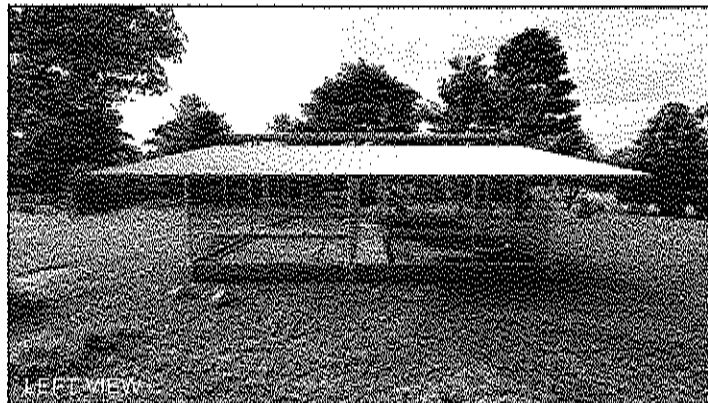
PERSPECTIVE VIEW



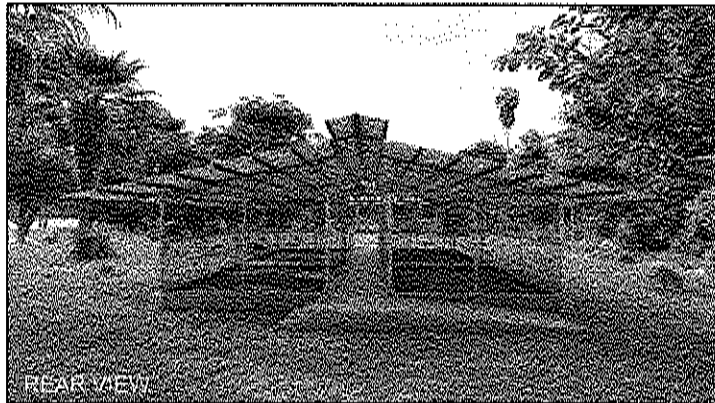
TOP VIEW



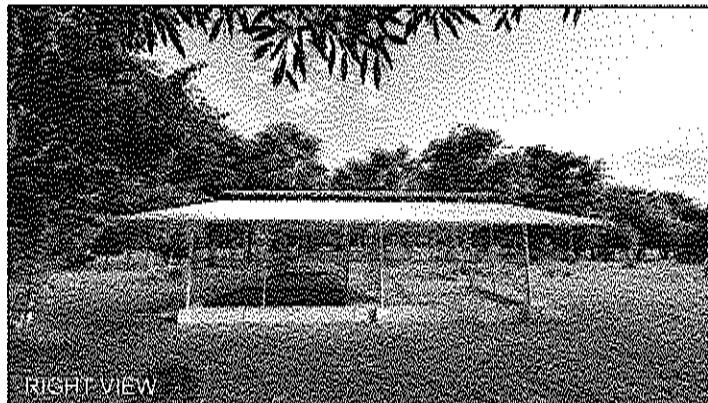
FRONT VIEW



LEFT VIEW



REAR VIEW



RIGHT VIEW

01  
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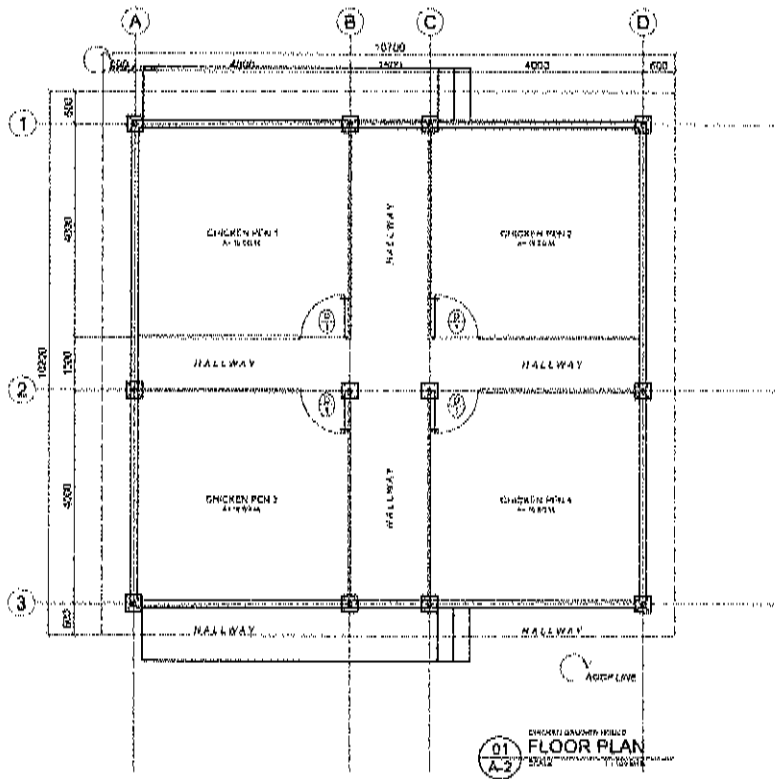
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**PROJECT BILLBOARD**

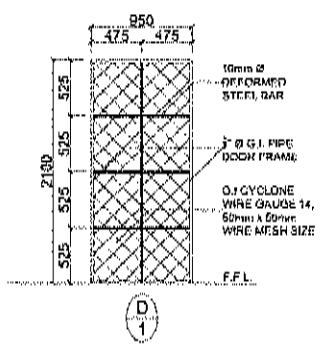
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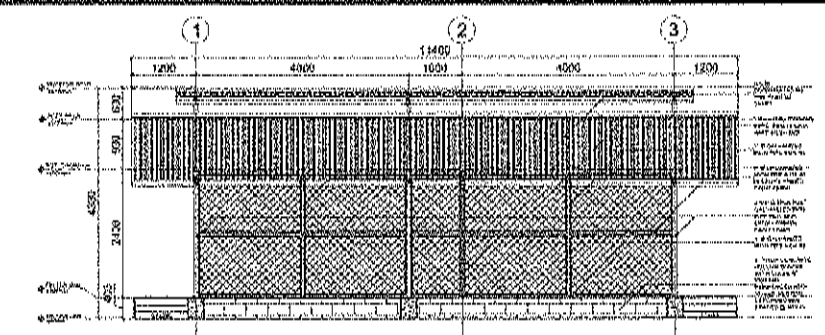
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	<b>CONSTRUCTION OF CHICKEN GROWER HOUSE</b> CALABARZON	Christella Joy M. Diloy RAED Staff	Engr. Mark Anthony A. Fordan OIC - Chief EPDSS	Engr. Romeo F. Reyes OIC - RAED Chief	Engr. Marcos C. Aves, Sr. OIC-RTD for Operations and Extension	Milo D. Deles Reyes, CESE OIC-Regional Executive Director	PERSPECTIVE	A-01



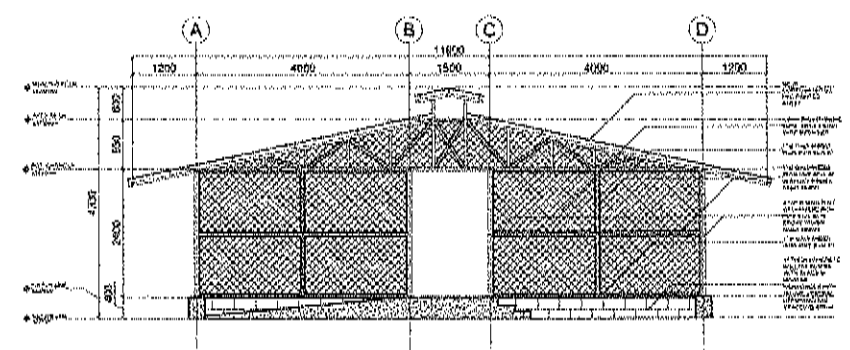
01  
A-2  
CHICKEN GROWER HOUSE  
FLOOR PLAN  
SCALE: 1:1000



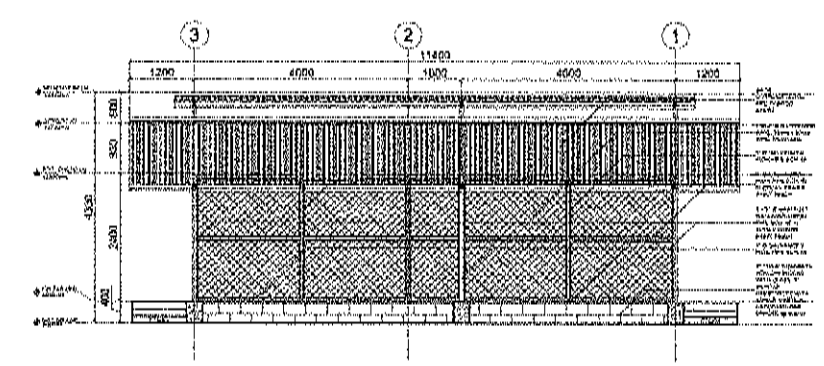
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A-2  
CHICKEN GROWER HOUSE  
DOOR DETAILS  
SCALE: 1:500



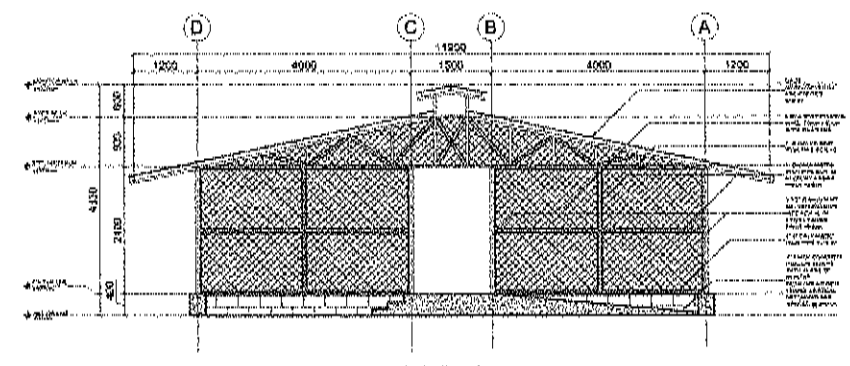
04  
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CHICKEN GROWER HOUSE  
RIGHT ELEVATION  
SCALE: 1:1000



05  
A-2  
CHICKEN GROWER HOUSE  
FRONT ELEVATION  
SCALE: 1:1000



03  
A-2  
CHICKEN GROWER HOUSE  
LEFT ELEVATION  
SCALE: 1:1000



06  
A-2  
CHICKEN GROWER HOUSE  
REAR ELEVATION  
SCALE: 1:1000

	Project/Location:	Prepared by:	Checked by:	Certified Correct:	Recommending Approval:	Approved:	Sheet Content:	Sheet No.:
	<b>CONSTRUCTION OF CHICKEN GROWER HOUSE</b>	<b>Christelle Joy M. Diloy</b>	<b>Engr. Mark Anthony A. Pordan</b>	<b>Engr. Romeo F. Reyes</b>	<b>Engr. Marcos C. Aves, Sr.</b>	<b>Milo D. Delos Reyes, CESE</b>	FLOOR PLAN DOOR DETAILS ELEVATIONS	<b>A-02</b>
	CALABARZON	RAED Staff	OIC - Chief EPDSS	OIC - RAED Chief	OIC-INTD for Operations and Extension	OIC-Regional Executive Director		

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE DRAWINGS BEFORE BEGINNING ANY WORK. HE SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS HE MAY FIND BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
  2. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL SITE CONDITIONS AND DIMENSIONS. HE SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
  3. THE CONTRACTOR SHALL INVESTIGATE THE SITE DUNNINGS CLEARINGS AND EARTHWORK OPERATIONS FOR UNDERGROUND CAVITIES, BURIED STRUCTURES OR UNDERGROUND UTILITIES SUCH AS TANKS, CESSPOOLS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONDITION WHICH IN HIS OPINION MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS TO THE STRUCTURE.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. INSTALLATION OF PERMANENT CONCRETE FRAMES, AND TEMPORARY BRACES, AS PART OF HIS RESPONSIBILITY, THE CONTRACTOR SHALL RETAIN THE SERVICES OF AN ENGINEER TO DESIGN AND SUPERVISE ANY SCAFFOLDING FOR HIS WORKMEN AND SHORING FORMS AND ELEMENTS OF CONSTRUCTION AFFECTED BY HIS WORK.
  6. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHILE THE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
  7. ALL WORK SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF THE FOLLOWING:
    - A. THE 2010 EDITION OF THE NATIONAL STRUCTURAL CODE OF PHIL (NSCP)
    - B. ALL APPLICABLE CODES AND STANDARDS OR ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK.
  8. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
  9. PROVIDE OTHER MATERIALS, NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER.
  10. THE CONTRACTOR SHALL SUBMIT STRUCTURAL CALCULATIONS AND CERTIFICATION FROM A REGISTERED STRUCTURAL ENGINEER SHOWING THAT ALL WINDOWS, WINDOW FRAMES, DOOR, DOOR FRAMES, AND THEIR ANCHORAGES CAN WITHSTAND 160 MPH WIND LOAD, (EXPOSURE 'C').
  11. THE FOUNDATION PLAN AND SLAB-ON-GRADE SHALL BE TREATMENT PRIOR TO CONCRETE POURING, FORMULATE AND APPLY TREATMENT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. A PROTECTIVE BARRIER SHALL BE PROVIDED AGAINST SUBTERRANEAN TERMITES.
  12. TYPICAL DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN ON THE DWGS, AND IF A REFERENCE TO THE DRAWINGS IS MADE.
  13. EACH OF THE STRUCTURAL DWGS. SHALL BE READ IN CONJUNCTION WITH THE PERTINENT LAYOUT, CIVIL, ARCHITECTURAL, MECHANICAL & ELECTRICAL DWGS.
  14. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS. LEVELS ARE IN METERS. UNLESS OTHERWISE SPECIFIED, DO NOT SCALE FROM DRAWINGS.
  15. ALL CONSTRUCTION MATERIALS TO WHICH REFERENCES IS MADE IN THE DWGS AND IN THE TYPICAL DETAILS SHALL CONFORM TO THE APPLICABLE CODES AND STANDARDS FOR CONSTRUCTION AND TO THE SPECIFICATIONS.

**CONCRETE NOTES:**

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS.
2. ALL CONCRETE SHALL BE STONED CONCRETE UTILIZING AGGREGATE CONFORMING TO ASTM C33 UNLESS NOTED OTHERWISE.
3. CEMENT SHALL BE TYPE I CONFORMING TO ASTM C150. MIXING OPERATIONS SHALL CONFORM TO ASTM C94. PLACEMENT SHALL CONFORM TO ACI STANDARDS.
4. THE CONTRACTOR SHALL SUBMIT COPIES OF CONCRETE MIX DESIGN TO OWNERS REPRESENTATIVE FOR APPROVAL. ALL CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY WHO SHALL SUBMIT COPIES OF THE DESIGN FOR APPROVAL AND SHALL IN ADDITION SUBMIT COPIES OF 7 AND 28 DAY CYLINDER TEST RESULTS TO THE ENGINEER AND OBTAIN APPROVAL PRIOR TO USE.
5. BEFORE CONCRETE IS PLACED, THE CONTRACTOR SHALL COORDINATE AND CHECK WITH ALL TRADES TO INSURE PROPER PLACEMENT OF ALL OPENINGS, CURBS, SLEEVES, INSERTS, DEPRESSIONS, ETC. RELATING TO THE WORK. CORREAS IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT WITH SLEEVES OR INSERTS. NOTIFY THE ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
6. ALL REINFORCING BARS, ANCHOR BOLTS, AND OTHER CONCRETE INSERTS SHALL BE WELL-SECURED IN POSITION PRIOR TO PLACING CONCRETE.
7. CONCRETE SHALL NOT BE FREELY DROPPED TO MORE THAN 1M.
8. ALL CONCRETE SHALL BE PLACED WITH A SLUMP NOT TO EXCEED 4 INCHES.
9. COMPRESSIVE STRENGTHS OF CONCRETE FC SHALL BE AS FOLLOWS:
  - a. BUILDING CONCRETE: 28MPa
  - b. ALL STRUCTURAL CONCRETE SHALL BE 31 MPa
  - CONCRETE TOPPING: 17 MPa
10. STRENGTH TEST FOR CONCRETE SHALL BE MADE IN ACCORDANCE WITH THE METHOD OF TEST FOR COMPRESSIVE STRENGTH OF MOLOED CONCRETE CYLINDERS ASTM C39
11. UNLESS OTHERWISE INDICATED IN THE DWGS, CONCRETE CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:
  - a. 75mm FOR CONCRETE CAST AGAINST EARTH.
  - b. 50mm TO REINFORCEMENT OF ALL UNDERGROUND AND WATER RETAINING STRUCTURES.
  - c. 40mm FOR ALL BEAMS AND COLUMNS IN UPPER STRUCTURES.
  - d. 20mm FOR SLABS IN SUPERSTRUCTURES, WALLS AND PRECAST WALL PANELS.
12. SPLICES
  - a. BARS MAY BE SPLICED ONLY WHERE SHOWN ON THE DWGS, EXCEPT FOR BARS LABELLED CONTINUOUS WHICH MAY BE SPLICED WITH CLASS B SPLICE AT THE COMMENCEMENT OF THE CONTRACTOR, PROVIDED NOT MORE THAN 50% OF THE BARS ARE SPLICED WITHIN THE SPLICED LENGTH.
  - b. SPLICE LENGTHS FOR EACH BAR SIZE AND EACH CLASS OF SPLICE ARE AS FOLLOWS:
    - CLASS A: 1.0 Ld (ANCHORAGE LENGTH)
    - CLASS B: 1.3 Ld
    - CLASS C: 1.7 Ld
  - c. IF NO SPLICE LENGTH IS SHOWN ON DWGS, USE CLASS C SPLICE.
  - d. WHEN SPLICED BARS ARE DIFF. DIA., SPLICE LENGTH SHALL BE DETERMINED FOR THE SMALLER BAR.
  - e. ALL REINFORCING BAR SHALL BE CONSIDERED AS BOTTOM BARS EXCEPT HORIZONTAL BARS IN SLABS, RIBS & BEAMS WITH MORE THAN 300MM OF CONCRETE BEYOND THEM.
13. BAR BENDS
  - a. THE MINIMUM INSIDE DIAMETERS OF BEND ARE AS FOLLOWS (ACI 318):
    - B BAR DIAMETERS FOR #10 TO #20
    - B BAR DIAMETERS FOR #25 TO #32
    - B BAR DIAMETERS FOR #36 AND #42
  - b. ALL BARS SHALL BE BENT COLD. NO BARS PARTIALLY EMBEDDED IN CONCRETE CONCRETE SHALL BE FIELD BENT.
14. BAR SUPPORTS
  - a. PROVIDE BAR SUPPORTS IN ACCORDANCE WITH ACI 318 DETAILING MANUAL AND AS SPECIFIED.
15. CONSTRUCTION
  - a. MUST BE MADE NEAR THE CENTER OF SPAN AND SHALL BE APPROVED BY THE ENGINEER ON SITE FOR BEAMS, JOINT SHALL BE MADE @ 1/3 SPAN.
16. ALL OPENINGS, PIPES AND SLEEVES INDICATED ON STRUCTURAL DWGS. SHALL BE COORDINATED WITH THE CIVIL, MECHANICAL AND ELECTRICAL DRAWINGS.
17. PROVIDE AROUND OPENINGS. ADDITIONAL REINFORCEMENT IN ACCORDANCE WITH THE TYPICAL DETAILS, UNLESS OTHERWISE SHOWN ON THE DWGS.
18. CONCRETE PROTECTION
  1. UNDERGROUND CONCRETE STRUCTURES SUCH AS POTABLE WATER TANK SHALL BE PROVIDED WITH PROTECTIVE WATER PROOFING MEMBRANE.
  2. ALL INTERNAL FACES OF SANITARY STRUCTURES IN CONTACT WITH INDUSTRIAL OR DOMESTIC WASTES SHALL BE PROTECTED BY AN APPROPRIATE WATER PROOFING COATING AS SPECIFIED.
19. CONCRETE SLAB-ON-GRADE
  1. FILL UNDER BASE SLABS ON GROUND SHALL BE ENGINEERED FILL COMPACTED 95% RELATIVE DRY DENSITY.
  2. PROVIDE WATERPROOF MEMBRANE UNDER SLABS ON GROUND (1.2mm MINIMUM THICKNESS), POLYTHENE SHEETS.
  3. CONSTRUCTION & CONTROL JOINTS SHALL BE WHERE SHOWN ON DWGS.

**FOUNDATION:**


1. THE CONSTRUCTION AREA EXTENDING 1.00m FROM BUILDING LINE SHOULD BE CLEARED TO REMOVE EXISTING VEGETATION, TOP SOIL, AND ANY OTHER DEBRIS. STRUCTURAL FILL SHOULD BE WELL-GRADED GRANULAR SOIL WITH ROCK SIZES LESS THAN 75 MM. NO MORE THAN 15 PERCENT OF THE MATERIAL BY WEIGHT SHOULD BE FINER THAN NO. 200 SIEVE. EXCAVATED MATERIAL MAY BE REUSED UPON APPROVAL FROM THE SOIL ENGINEER TO BE RETAINED BY THE CONTRACTOR.
2. STRUCTURAL FILL SHOULD BE PLACED IN 250MM LOOSE LAYERS WITH AT LEAST 95% COMPACTION, ATTAINABLE BY ASTM D1557.
3. THE FOOTING AND FLOOR SLAB SHALL REST ON MINIMUM OF 150 MM THICK CORAL SAND/CORRE COMPACTED TO 95% MAXIMUM DENSITY AND LAY ON ROLLED AND SUFFICIENT EXISTING NATURAL SUBGRADE CAPABLE OF SUPPORTING 160kPa MINIMUM BEARING PRESSURES WITHOUT SIGNIFICANT SETTLEMENT.
4. ALL WEAK AND COMPRESSIBLE SOIL UNDERNEATH THE FOOTING SHALL BE REPLACED WITH APPROVED LIMESTONE FILL, COMPACTED IN 250MM LOOSE LAYER TO 95% DENSITY.
5. THE CONTRACTOR SHALL HIRE A REGISTERED SOIL OR GEO-TECHNICAL ENGINEER TO PROVIDE SOIL GEO-TECHNICAL MONITORING INCLUDING INSPECTION OF ALL FOOTING EXCAVATIONS AND FILE, TESTING OF COMPACTION AND FILL BEARING CAPACITY WHEN ACTUAL SOIL CONDITIONS HAVE BEEN EXPOSED AND MATERIALS, FIELD VERIFICATION AND CERTIFICATION OF DEPTHS AND SOIL PRIOR TO PLACEMENT OF FORMS AND/OR REINFORCING STEEL. IF ACTUAL EXPOSED CONDITIONS DO NOT MEET OR EXCEED THE ASSUMED SOIL BEARING CAPACITY AND CONDITIONS, THE GEO-TECHNICAL ENGINEER SHALL PROVIDE RECOMMENDATIONS TO MODIFY THE SOIL PREPARATION WORK TO MEET THE ASSUMED SOIL BEARING CAPACITY. THE CONTRACTOR SHALL REFORM THE RECOMMENDED MODIFICATIONS TO MEET THE REQUIREMENTS OF THE GEO-TECHNICAL ENGINEER AT NO INCREASE TO THE CONSTRUCTION COST AMOUNT AND/OR CONTRACT TIME AND TO THE SATISFACTION OF THE GC.

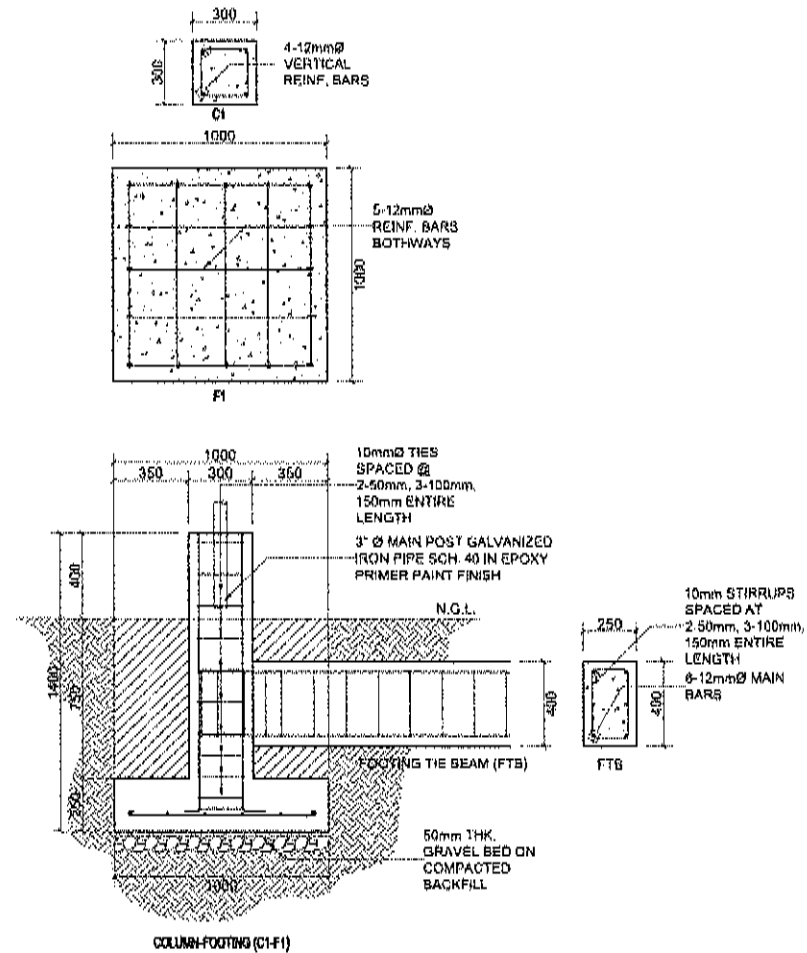
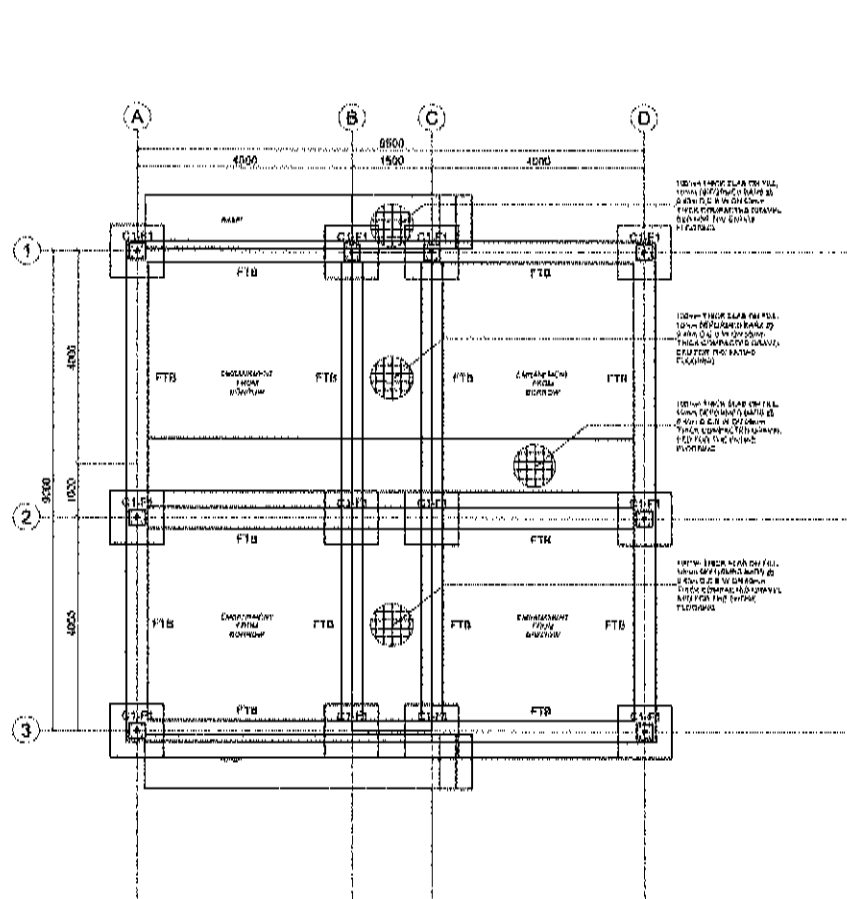
**CONCRETE BLOCK WALL NOTES:**

1. MASONRY UNITS SHALL HAVE 28-DAY COMPRESSIVE STRENGTH OF 10.3 MPa PSI AND SHALL BE GRADE P UNITS CONFORMING TO ASTM C90 WITH TYPE "S" MORTAR HAVING COMPRESSIVE STRENGTH OF 14 MPa PSI AT 28 DAYS. ALL CELLS SHALL BE SOLIDLY FILLED WITH GROUT. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 20.1 MPa PSI AT 28 DAYS, AND SHALL BE READY-MIXED CONCRETE.
2. UNLESS OTHERWISE SHOWN ON THE PLAN, CONCRETE BLOCK WALL SHALL HAVE #210 AT 400mm O.C. VERTICAL. HORIZONTAL REINFORCEMENTS SHALL BE #310 AT 18 INCHES CONTINUOUS AROUND ALL CORNERS AND INTERSECTIONS AND SHALL LAP 400mm MINIMUM AT SPLICES. REINFORCING BARS SHALL BE GRADE 40 AND SHALL LAPPED A MINIMUM OF 40 BAR DIAMETER.
3. BLOCK UNITS SHALL BE SUFFICIENTLY MOIST AT THE TIME OF LAYING TO PREVENT DEHYDRATION OF MORTAR AND GROUT.
4. BLOCK UNITS SHALL BE FREE OF ALL SUBSTANCES WHICH MAY IMPAIR THE BOND OF THE BLOCK TO THE MORTAR AND GROUT. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORNER CONTAINING REINFORCING STEEL.

**SLAB-ON-GRADE NOTES**

1. SLAB-ON-GRADE CONSTRUCTION SHALL BE BASED ON THE RECOMMENDATION OF ACI 302.1 AND OTHER APPLICABLE BUILDING CODE REQUIREMENTS.
2. CONCRETE SLAB SHALL BE SUPPORTED ON CHAIN ON MORTAR BLOCKS THAT WILL HOLD THE STEEL IN PLACE DURING POURING.
3. ADDITION OF MIX WATER AT THE SITE IS PROHIBITED. APPLICATION OF WATER TO THE SURFACE DURING EARLY FINISHING IS NOT ALLOWED.
4. CRACKING ON SLAB ON-GRADE SHALL BE PREVENTED BY THE FOLLOWING:
  - a. GAMPEN THE EARTH BEFORE PLACING CONCRETE.
  - b. AVOID OVER-TROWELLING.
  - c. DO NOT FINISH CONCRETE SURFACES WHEN BLEED WATER IS PRESENT.
  - d. KEEP CONCRETE CONTINUOUSLY MOIST FOR AT LEAST 24 HOURS.
  - e. NEVER ADD WATER ON SITE DURING PLACEMENT OR FINISHING.
  - f. PROTECT FRESH CONCRETE FROM RAPID DRYING, DIRECT SUN AND WIND.
5. SHRINKAGE SHALL BE MINIMIZED BY:
  - a. SLAB SHALL BE CURED CONTINUOUSLY FOR MINIMUM OF 2 WEEKS.
  - b. REDUCE MOISTURE LOSS FROM THE SURFACE BY USING COATINGS, SEALERS AND WAXES.
6. FINISH THE MINIMUM TOP CONCRETE COVER OVER REINFORCING STEEL IS 25.
7. SLAB-ON-GRADE SHALL BE IMMEDIATELY UNDERLAIN BY VAPOR BARRIER. JOINTS SHALL BE LAPPED 305 INCHES AND SEALED WITH 50mm WIDE PRESSURE SENSITIVE VINYL TAPE. ALL PENETRATION SHALL BE SEALED WITH TAPE.

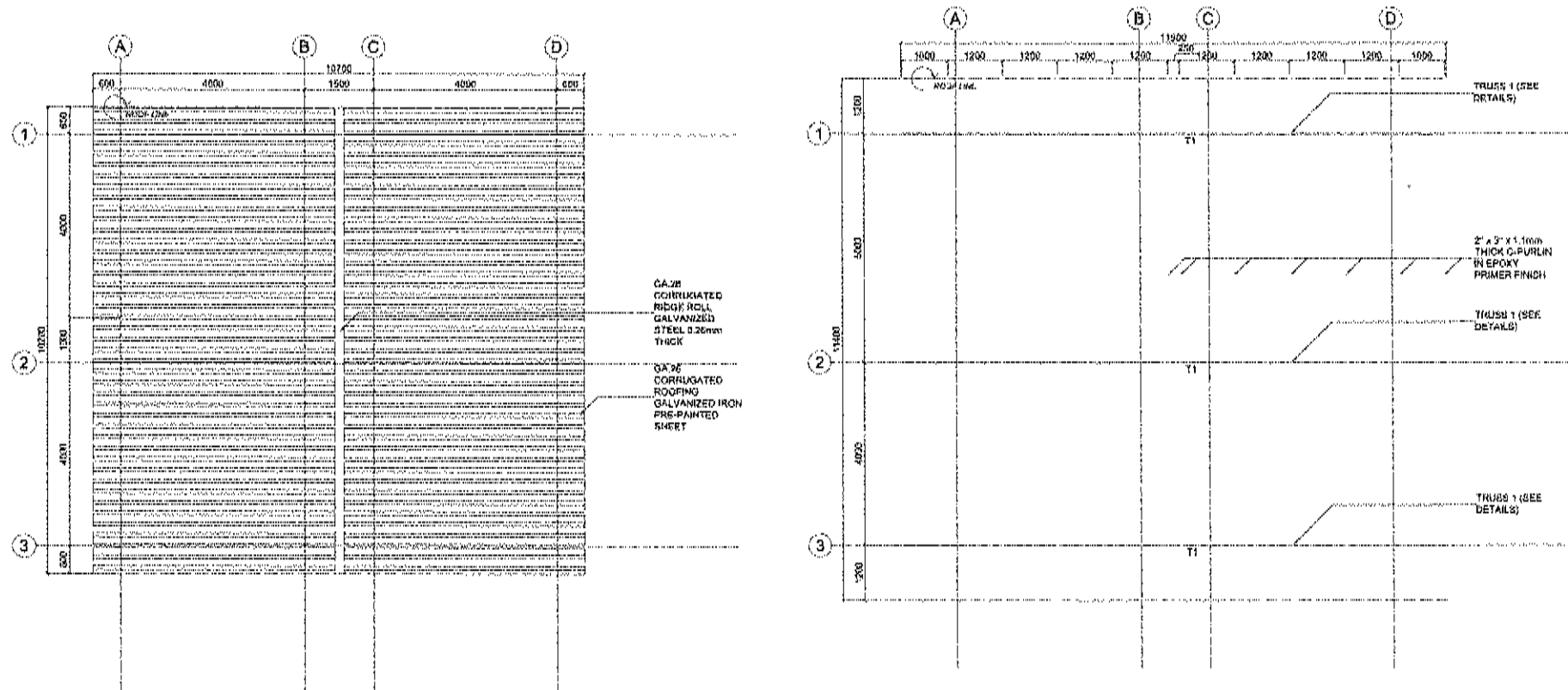
	Project/Location:	Prepared by:	Checked by:	Corrified Correct:	Recommending Approval:	Approved:	Sheet Content:	Sheet No.:
	<b>CONSTRUCTION OF CHICKEN GROWER HOUSE</b>	Christelle Joy M. Ditoy	Engr. Mark Anthony A. Pordan	Engr. Romeo F. Reyes	Engr. Marcos C. Aves, Sr.	Milo D. Detos Reyes, CESS	GENERAL NOTES	S-01
	CALABARZON	RABG Sign	CEC - Chief EPOSS	CEC - RABG Chief	CEC-RTD for Operations and Extension	CEC-Regional Executive Director		



01 FOUNDATION PLAN  
S-2


02 STRUCTURAL DETAILS  
S-2

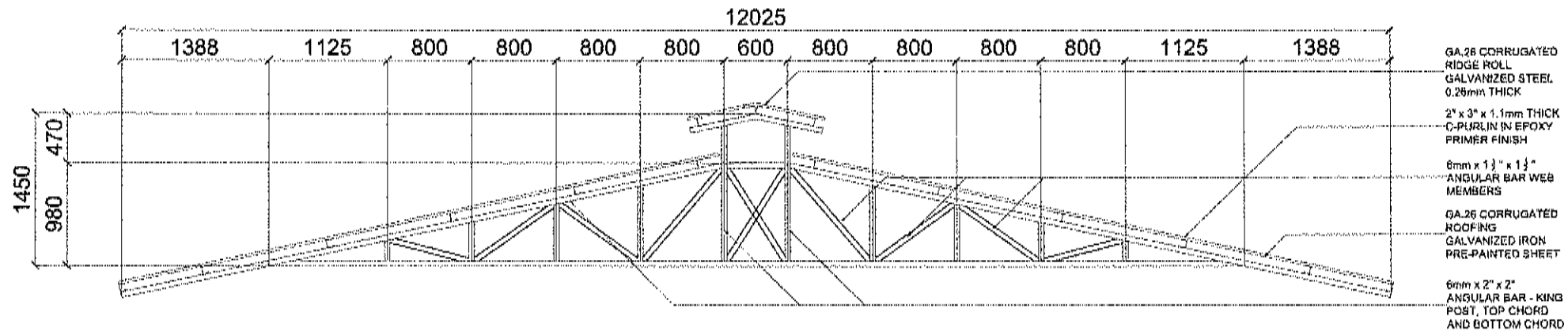
Project/Location:	Prepared by:	Checked by:	Certified Correct:	Recommending Approval:	Approved:	Sheet Content:	Sheet No.:
<b>CONSTRUCTION OF CHICKEN GROWER HOUSE</b> CALABANZON	<b>Christelle Joy M. Dily</b> RAED Staff	<b>Engr. Mark Anthony A. Pordan</b> OIC - Chief/EPSS	<b>Engr. Romeo F. Reyes</b> OIC - RAED Chief	<b>Engr. Marcos C. Aves, Sr.</b> OIC-RTD for Operations and Extension	<b>Milo D. Delos Reyes, CESE</b> OIC-Regional Executive Director	FOUNDATION PLAN STRUCTURAL DETAILS	<b>S-02</b>



D1  
S-3  
CHICKEN GROWER HOUSE  
ROOF PLAN  
SCALE: 1/4"=1'-0"

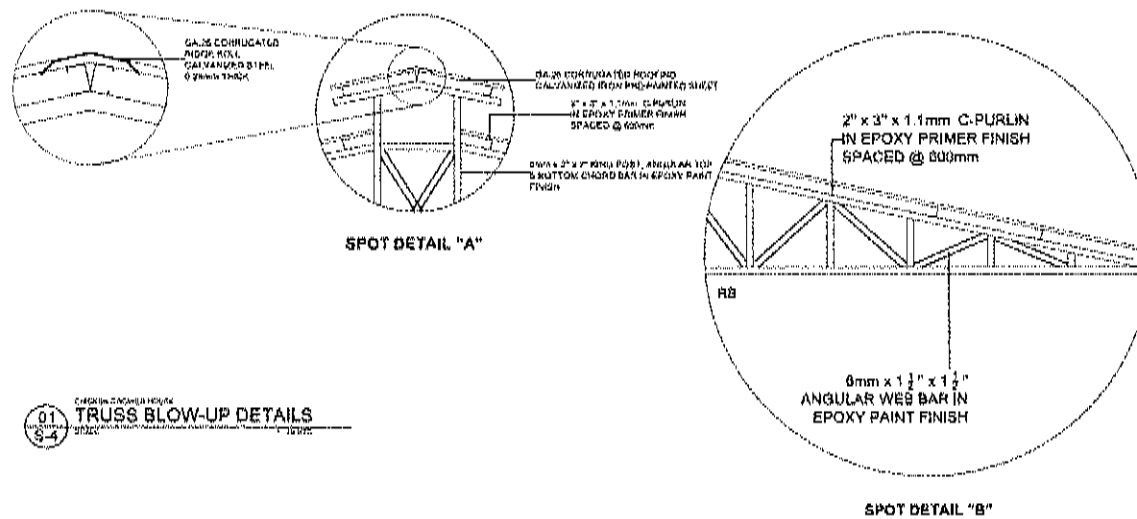
D2  
S-3  
CHICKEN GROWER HOUSE  
ROOF FRAMING PLAN  
SCALE: 1/4"=1'-0"

Project/Location:	Prepared by:	Checked by:	Corrified Correct:	Recommending Approval:	Approved:	Sheet Content:	Sheet No.:
 <b>CONSTRUCTION OF CHICKEN GROWER HOUSE</b> CALABARZON	<b>Christelle Joy M. Diloy</b> RAED SR	<b>Engr. Mark Anthony A. Fordan</b> OIC - SUPERVISOR	<b>Engr. Romeo F. Reyes</b> OIC - RAED Chief	<b>Engr. Marcos C. Aves, Sr.</b> OIC-RTD for Operations and Extension	<b>Milo D. Dolos Reyes, CESE</b> OIC-Regional Executive Director	ROOF PLAN ROOF FRAMING PLAN	<b>S-03</b>




TRUSS (T1)

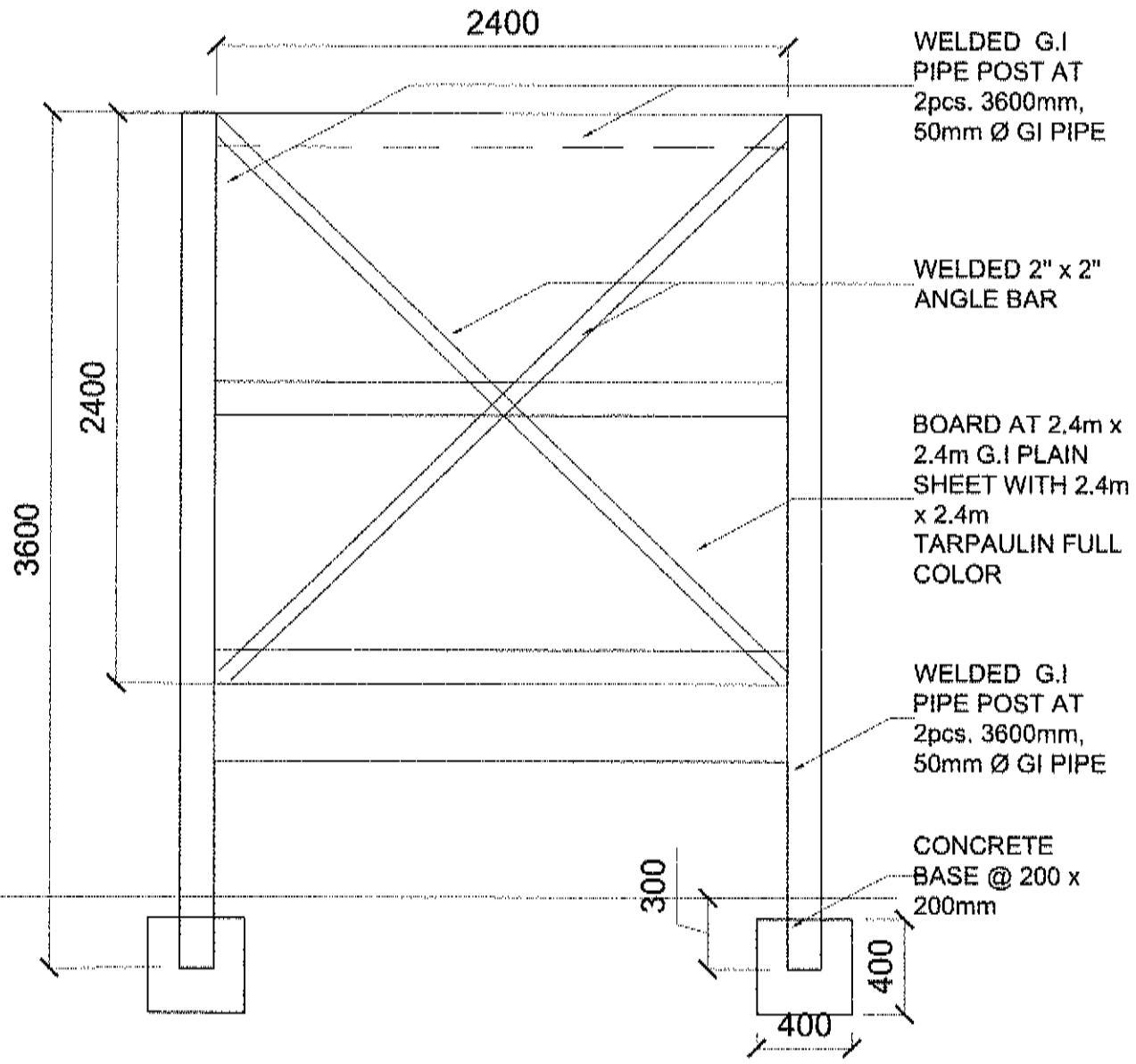
01 TRUSS DETAILS  
S-4



01 TRUSS BLOW-UP DETAILS  
S-4

Project/Location:	Prepared by:	Checked by:	Certified Correct:	Recommending Approval:	Approved:	Sheet Content:	Sheet No.:
 <b>CONSTRUCTION OF CHICKEN GROWER HOUSE</b> CALABARZON	<b>Christelle Joy M. Diloy</b> RAED Staff	<b>Engr. Mark Anthony A. Fordan</b> OIC - CHICKEN CROSS	<b>Engr. Romeo F. Reyes</b> OIC - RAED Chief	<b>Engr. Marcos C. Aves, Sr.</b> OIC-RTD for Operations and Extension	<b>Milo D. Delos Reyes, CESE</b> OIC-Regional Executive Director	TRUSS DETAILS TRUSS BLOW-UP DETAILS	<b>S-04</b>






WELDED G.I  
PIPE POST AT  
2pcs. 3600mm,  
50mm Ø GI PIPE

WELDED 2" x 2"  
ANGLE BAR

BOARD AT 2.4m x  
2.4m G.I PLAIN  
SHEET WITH 2.4m  
x 2.4m  
TARPAULIN FULL  
COLOR

WELDED G.I  
PIPE POST AT  
2pcs. 3600mm,  
50mm Ø GI PIPE

CONCRETE  
BASE @ 200 x  
200mm



**DEPARTMENT OF AGRICULTURE**  
REGIONAL FIELD OFFICE No. 4A  
LIPA AGRICULTURAL RESEARCH AND EXPERIMENT STATION (LARES)  
BRGY. MARAUOY, LIPA CITY, BATANGAS, 4217

Project Name: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cost: \_\_\_\_\_  
 Fund Source/s: \_\_\_\_\_  
 Implementing Agency/ies: \_\_\_\_\_  
 Development Partner/s: \_\_\_\_\_  
 Contractor/Supplier: \_\_\_\_\_  
 Brief Description: \_\_\_\_\_


Project Details:

Date	Project Component	Status	Remarks

FOR PARTICULAR COMPLAINTS ON THIS PROJECT PLEASE CONTACT THE REGIONAL OFFICE  
 DEPARTMENT OF AGRICULTURE REGION IV-A  
 LIPA AGRICULTURAL RESEARCH AND EXPERIMENT STATION (LARES)  
 BRGY. MARAUOY, LIPA CITY, BATANGAS, 4217  
 WEBSITE: [www.falibhatag.depp.gov.ph](http://www.falibhatag.depp.gov.ph)

02  
PB-01  
PROJECT TARPULIN

01  
PB-01  
PROJECT BILLBOARD

	Project/Location:	Prepared by:	Checked by:	Certified Correct:	Recommending Approval:	Approved:	Sheet Content:	Sheet No.:
	<b>CONSTRUCTION OF CHICKEN GROWER HOUSE</b> CALABARZON	<b>Christella Joy M. Diloy</b> RAED Staff	<b>Engr. Mark Anthony A. Fordan</b> OIC - Chief EPBSS	<b>Engr. Romeo F. Reyes</b> OIC - RAED Chief	<b>Engr. Marcos C. Aves, Sr.</b> OIC-RTD for Operations and Extension	<b>Milo D. Defos Reyes, CESE</b> OIC-Regional Executive Director	PROJECT BILLBOARD PROJECT TARPULIN	<b>PB-01</b>