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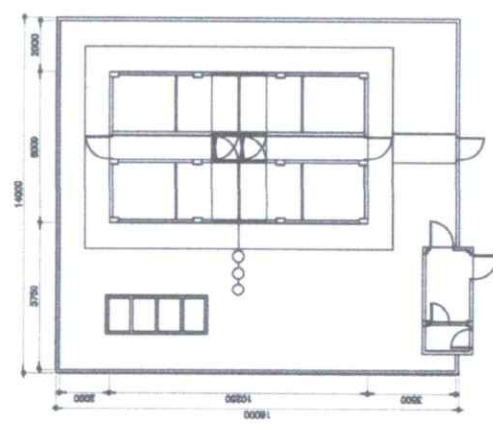
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REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS TRANSPORTATION AND COMMUNICATION	
LAND USE AND ZONING	
LINE AND GRADE	
ARCHITECTURAL	
STRUCTURAL	
SANITARY	
ELECTRICAL	
ELECTRONICS	

DATE	REVISIONS	SHEET CONTENT	REVISION
		AS SHOWN	A I



1  
A1  
SCALE 1:500  
PERSPECTIVE  
DATE

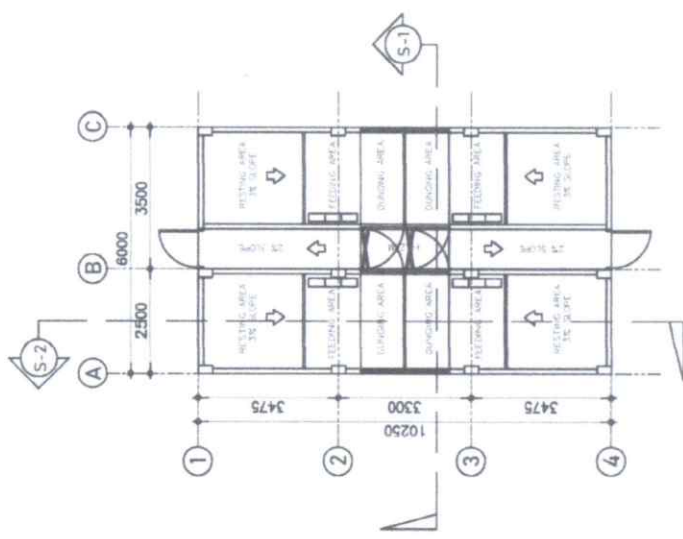


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SCALE 1:200  
SITE DEVELOPMENT PLAN  
DATE

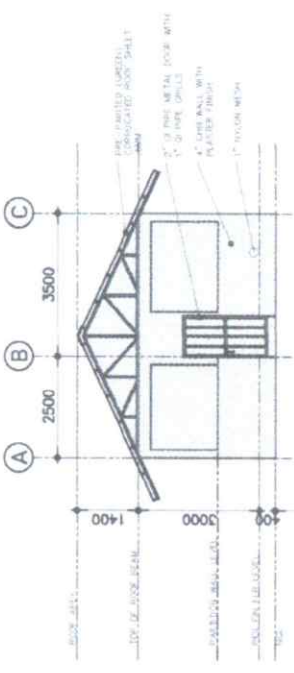
3  
A1  
SCALE 1:100  
VICINITY MAP  
DATE

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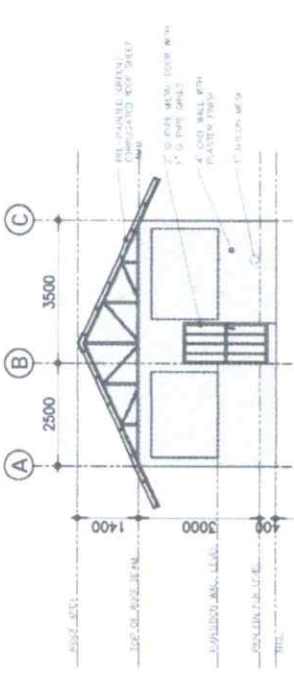
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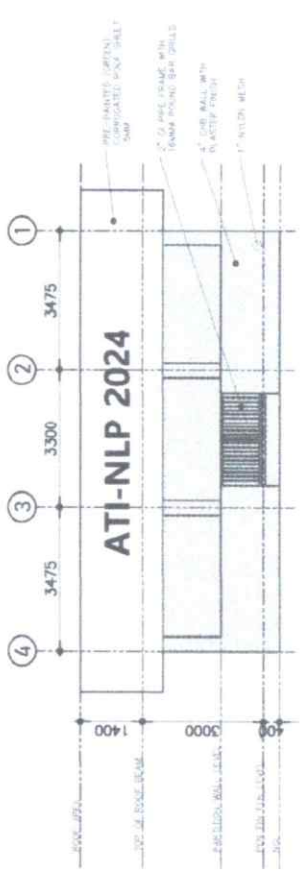
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A-2  
FLOOR PLAN  
1/15/24



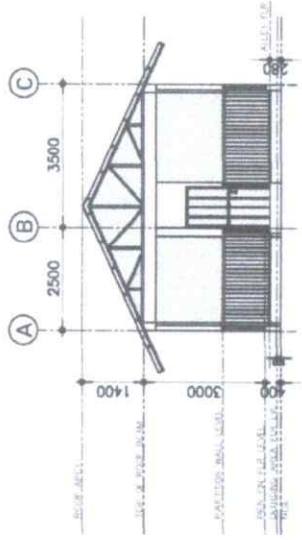
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A-2  
FRONT ELEVATION  
1/15/24



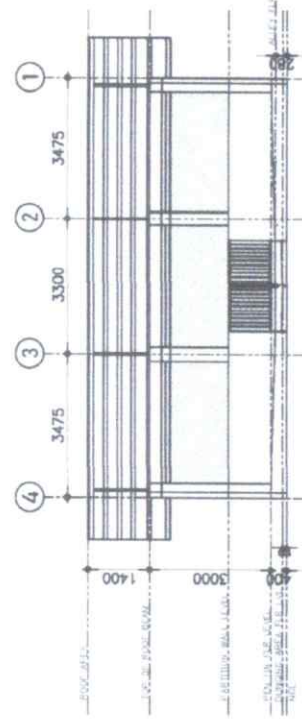
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A-2  
REAR ELEVATION  
1/15/24



4  
A-2  
LEFT & RIGHT-SIDE ELEVATION  
1/15/24



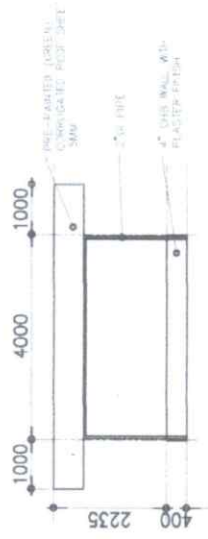
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A-2  
SECTION THRU S-1  
1/15/24



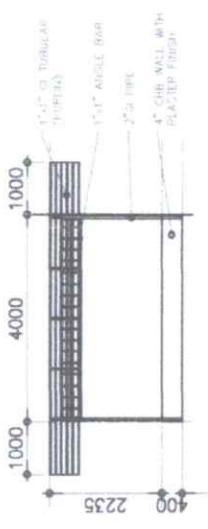
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A-2  
SECTION THRU S-2  
1/15/24

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	DATE PLACE	SIRP - COMPONENT 2 40 - HEADS SWINE FACILITY	NOBRI BETH G. MACAGLIO, OBC INTERIOR ARCHITECT	DR. RUTH M. BURNETT, DVM KIDNEY SPECIALIST	1			AS SHOWN	A 2

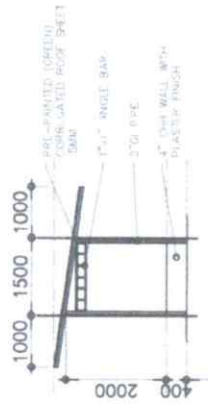




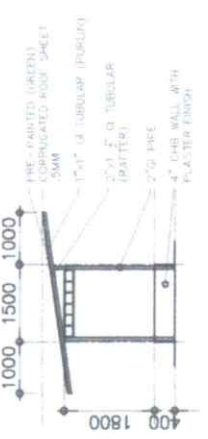
WASTE FACILITY  
REAR ELEVATION  
SCALE: 1/1000  
A4



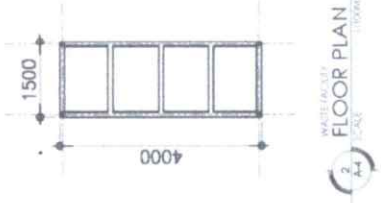
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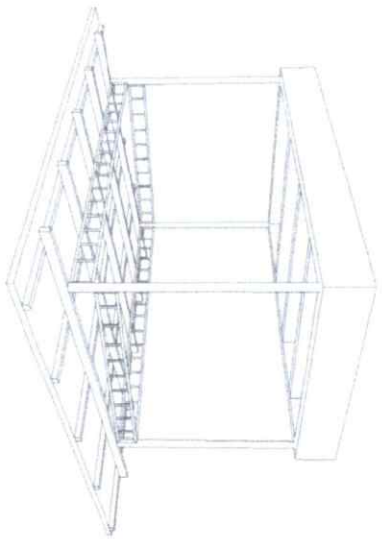
WASTE FACILITY  
RIGHT-SIDE ELEVATION  
SCALE: 1/1000  
A4



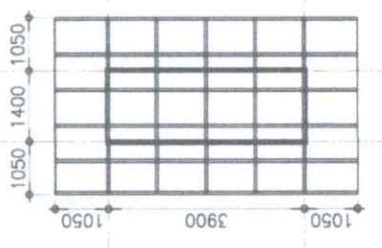
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LEFT-SIDE ELEVATION  
SCALE: 1/1000  
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WASTE FACILITY  
FLOOR PLAN  
SCALE: 1/1000  
A4



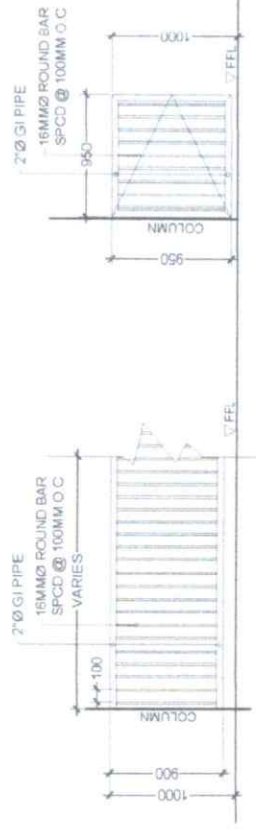
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PERSPECTIVE  
SCALE: 1/1000  
A4



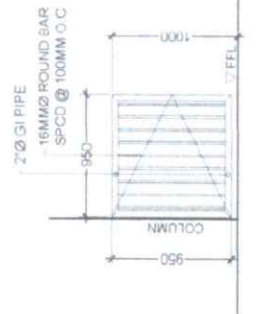
WASTE FACILITY  
ROOF FRAMING PLAN  
SCALE: 1/1000  
A4



WASTE FACILITY  
ROOF PLAN  
SCALE: 1/1000  
A4



DETAILS - A (STEEL RAILINGS)



DETAILS - B (GATE)

WASTE FACILITY  
RAILING AND GATE DETAILS  
SCALE: 1/1000  
A4

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	WASTE FACILITY RAILING AND GATE DETAILS SCALE: 1/1000 A4			NO. _____ MODIF. NO. _____ DATE: _____	PROJECT NO.: _____ SHEET NO.: A 4

# CONSTRUCTION NOTES

## A. GENERAL

- CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
- SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.

## B. CONCRETE & REINFORCEMENT

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
- ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS :

LOCATION	28-DAY COMPRESSIVE STRENGTH MPa (psi)	MAX. SIZE AGGREGATES	MAX. SLUMP mm (in)
CURBS & SLAB ON GRADE	3000psi	1in.(25mm)	5-7in.(150mm)
FOUNDATION & RETIWall	3000psi	3/4in.(19mm)	5-7in.(150mm)
COLUMN	3000psi	3/4in.(19mm)	5-7in.(150mm)
BEAMS & SLABS	3000psi	3/4in.(19mm)	5-7in.(150mm)

- ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 FOR ALL REINFORCING BARS.

- IN GENERAL, THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO, UNLESS OTHERWISE SHOWN OR NOTED.

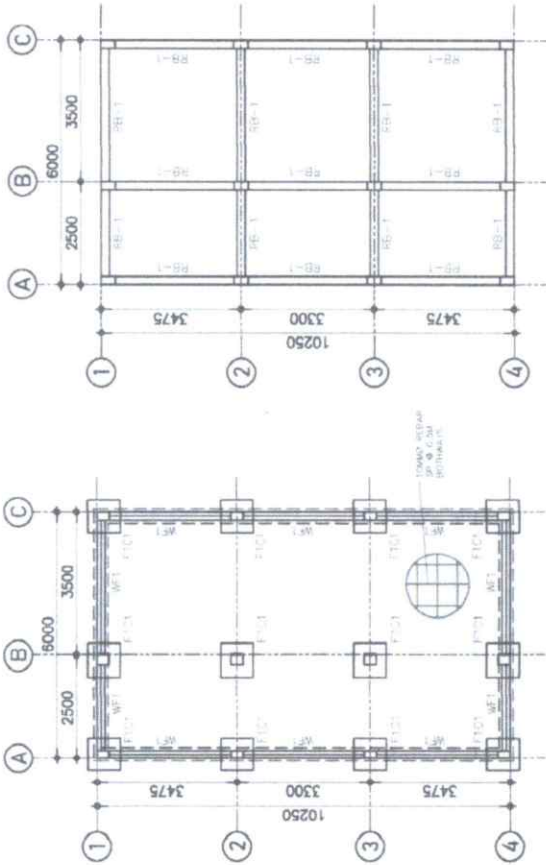
- MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

- SPICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPICE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPICES SHALL BE STAGGERED WHENEVER POSSIBLE.
- ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

- CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOODS, EQUIPMENTS, AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
- ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING (BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS).

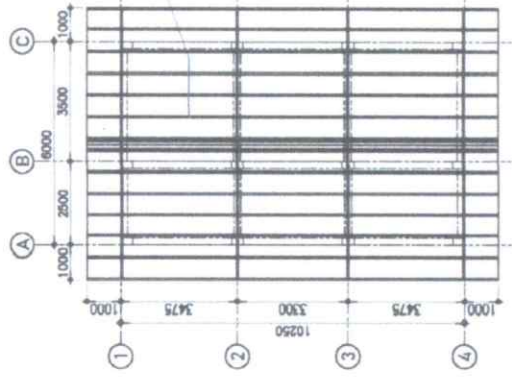
## C. FOUNDATION

- FOUNDATION IS DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 150 KPa (ASSUMED VALUE).
- FOUNDATION SHALL REST ON NATURAL SOIL UNLESS OTHERWISE NOTED BY THE ENGINEER. NO PART OF THE FOUNDATION SHALL REST ON FILL.



FOUNDATION PLAN  
SCALE: 1/8"=1'-0"

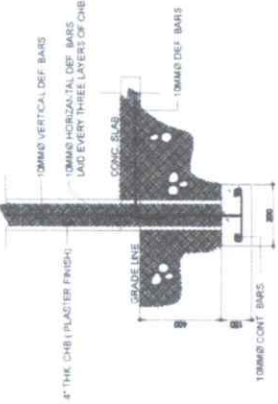
ROOF BEAM FRAMING PLAN  
SCALE: 1/8"=1'-0"



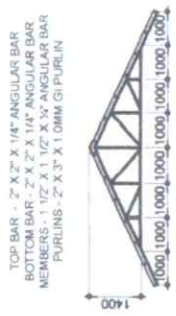
ROOF FRAMING PLAN  
SCALE: 1/8"=1'-0"

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	DATE	PLACE	ADDRESS	DR. BETH GI. MACARIO-DEE	AS SHOWN			S I

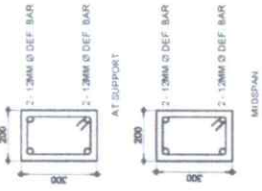
APPROVED BY: DR. BETH GI. MACARIO-DEE  
 REGISTERED PROFESSIONAL ENGINEER  
 4117 B.P. 1000, BANGALOR, PHILIPPINES



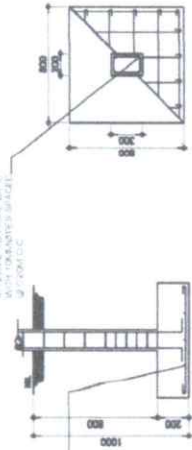
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**4 WALL FOOTING DETAIL**  
 1/20 SCALE



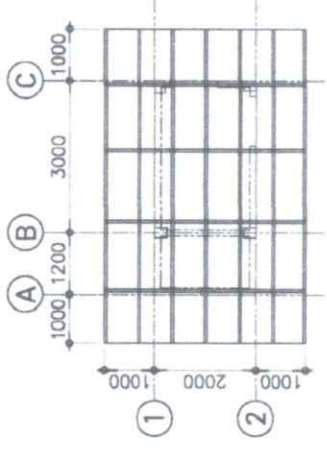
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**3 TRUSS DETAILS**  
 1/20 SCALE



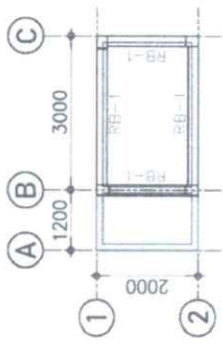
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**2 ROOF BEAM DETAILS**  
 1/20 SCALE



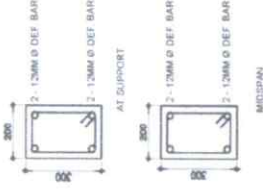
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**1 COLUMN AND FOOTING DETAIL**  
 1/20 SCALE



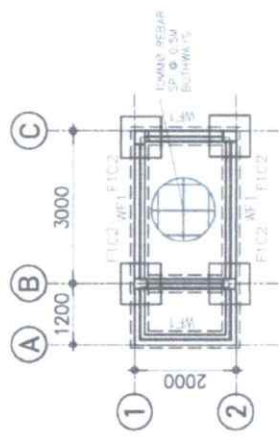
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**7 ROOF FRAMING PLAN**  
 1/20 SCALE



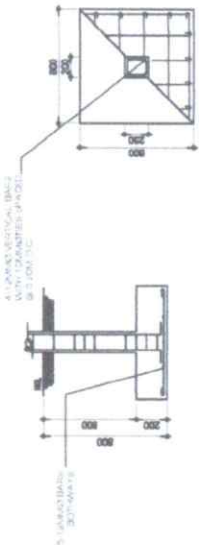
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**8 ROOF BEAM FRAMING PLAN**  
 1/20 SCALE



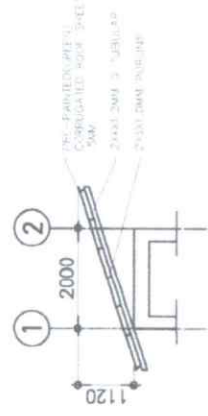
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**9 ROOF BEAM DETAILS**  
 1/20 SCALE



REF: SEE ELEVATION  
**5 FOUNDATION PLAN**  
 1/20 SCALE



REF: SEE PLAN & ELEVATION  
**6 COLUMN AND FOOTING DETAIL**  
 1/20 SCALE



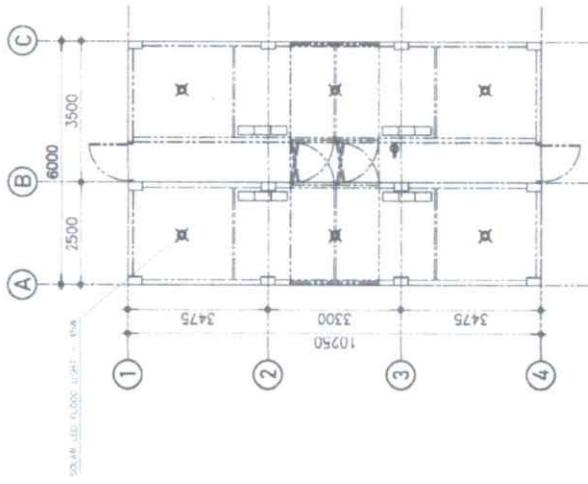
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**10 RAFTER DETAILS**  
 1/20 SCALE

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	DATE PLACE	SIRP - COMPONENT 2 40 - HEADS SWINE FACILITY	ADDERIS	DR. RUTH S. MELLISSANAU ARCHITECT	AS SHOWN
DATE PLACE					SHEET NO.
					S 2

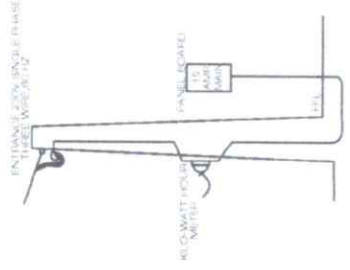
APPROVED BY: *[Signature]*  
 DR. RUTH S. MELLISSANAU  
 ARCHITECT

APPROVED BY: *[Signature]*  
 NOELY BETH G. MACARLO CEE  
 SENIOR PROJECT ENGINEER





SIRP-COMP 1-40-FLOOR  
 LIGHTING & POWER LAYOUT  
 1:40 SCALE



SIRP-COMP 1-20-SECTION  
 SERVICE ENTRANCE DETAILS  
 1:20 SCALE

- 1 ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, REQUIREMENTS OF THE LOCAL AUTHORITIES ENFORCING THE CODE, AND THE REQUIREMENTS OF THE POWER SERVICE COMPANY CONCERNED.
- 2 ALL WIRES SHALL BE COPPER TYPE T.V. INTERMEDIATE PVC CONDUIT (MTC) UNLESS OTHERWISE SPECIFIED.
- 3 ALL JUNCTION UTILITY SQUARE AND KILL BOXES SHALL BE GAUGE # 18 OR APPROVED EQUIVALENT AND SHALL BE PAINTED WITH ONE COAT PRIMER PRIOR TO INSTALLATION.
- 4 ALL MATERIALS TO BE USED SHALL BE BRANDS RECOMMENDED BY THE APPROVED TYPE, APPROPRIATE WITH THE LOCATION AND INTENDED USE.
- 5 POWER SUPPLY SHALL BE 230 VOLTS SINGLE PHASE 40 HERTZ TWO WIRE SYSTEM.
- 6 ALL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A LICENSED AND REGISTERED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.
- 7 MINIMUM SIZE OF CONDUCTORS SHALL BE 2.0 mm T.W. IN 15 mm TRADE SIZE.
- 8 ALL WALL OUTLETS SHALL BE INSTALLED AT THE FOLLOWING HEIGHT ABOVE FINISHED FLOOR LEVEL UNLESS OTHERWISE NOTED:
  - A WALL SWITCHES 1.50 mts
  - B CONVENIENCE OUTLET 0.30 mts
  - C PANEL BOARD 1.60 mts
  - D ELECTRIC METER 1.50 mts
  - E SERVICE ENTRANCE 5.40 mts
- 9 ALL VERTICAL AND HORIZONTAL CONDUIT SHALL BE CONCEALED OR EMBEDDED ON CONCRETE WALLS AND FLOORS.
- 10 ALL CONDUITS SHALL BE PROPERLY REAMED PRIOR TO INSTALLATION TO DAMAGED TO THE SKIN OF THE WIRE.
- 11 WORKMANSHIP OF THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER KNOWN TO THE TRADE AND TO THE SATISFACTION OF THE ARCHITECT AND THE ENGINEER.

LEGEND	
↑	SERVICE ENTRANCE
(M)	KILOWATT HOUR METER
(C)	MAGNETIC CIRCUIT BREAKER
(O)	LIGHT BULB
(E)	DUPLEX CONVENIENCE OUTLET
(P)	POWER PANEL
(H)	CIRCUIT HOMERUN
(L)	POWER CIRCUIT LINE

SCHEDULE OF LOADS

CKT. NO.	LOAD DESCRIPTION	VOLTS	WATTS	AMPERES	SIZE OF WIRES AND CONDUITS	PROTECTION PER CIRCUIT	
						AT	P
1	CONVENIENCE OUTLET	230	360	1.57	2 - 2.5 mm THW + 1.2 mm THW GROUND WIRE IN 20 mm Ø PVC	15 AT	2
2	SPARE	230			2 - 2.0 mm THW + 1.2 mm THW GROUND WIRE IN 20 mm Ø PVC	15 AT	2
TOTAL							
TOTAL CURRENT MAIN FEEDER CONDUCTOR						TOTAL KVA	
I = 1.57 A						I = 1.57 X 1.25	5 - 1.57 X 230
I = 1.88 A						S = 1000	
2.80 MKC STRANDED COPPER WIRE IN 38mm Ø PVC CONDUIT						USE	
1 - 8.0mm <sup>2</sup> THHN GROUND WIRE IN 19mm Ø PVC CONDUIT						80 AT, 100 4F 1P	
						250V-60Hz MCCB	
						5 - 0.36 KVA	

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