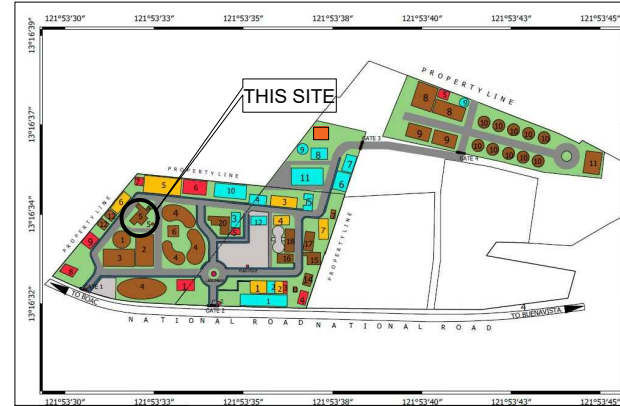




**1 EXTERIOR PERSPECTIVE**  
SCALE : NTS



**2 SITE DEV. PLAN**  
SCALE : NTS



**3 LOCATION PLAN**  
SCALE : NTS

REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS,  
TRANSPORTATION & COMMUNICATION  
OFFICE OF THE BUILDING OFFICIALS

DISTRICT/CITY/MUNICIPALITY

LAND USE AND ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL

FIRE



PROJECT TITLE :  
**PROPOSED CONSTRUCTION OF  
SEA CUCUMBER HATCHERY  
AND NURSERY PRODUCTION**

LOCATION : BANUYO, GASAN, MARINDUQUE

DR. ALEXANDER M. PASCUA  
AGRICULTURAL & BIOSYSTEMS ENGINEER

AR. MAYNARD M. MUHI, MsCM  
HEAD, PHYSICAL FACILITIES & PROJECT MANAGEMENT

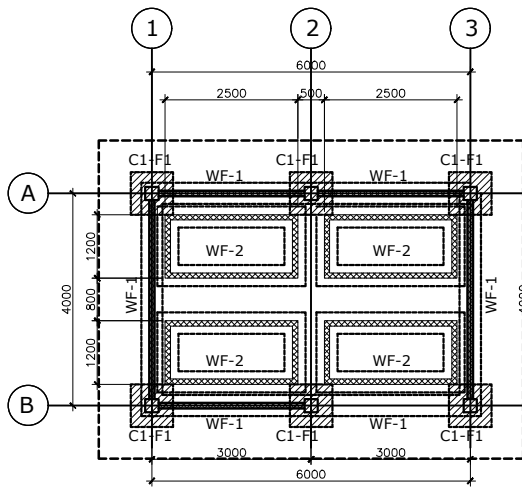
ATTY. CRISPIN FRANCIS M. JANDUSAY  
VP-ADMINISTRATION & FINANCE

DIOSDADO P. ZULUETA, FFCP, DPA  
SUC PRESIDENT III

REVISIONS:  
DATE MARK/ DESCRIPTION  
DRAWN / CADD BY: ATL

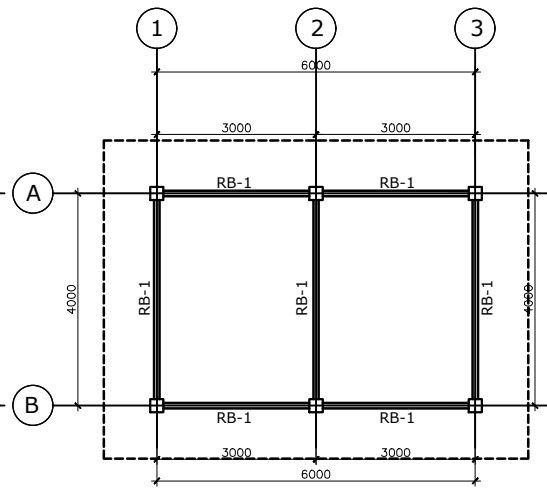
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PERSPECTIVE  
LOCATION PLAN  
SITE DEVELOPMENT PLAN

SHEET NO. :  
**1**  
A-1 | 15



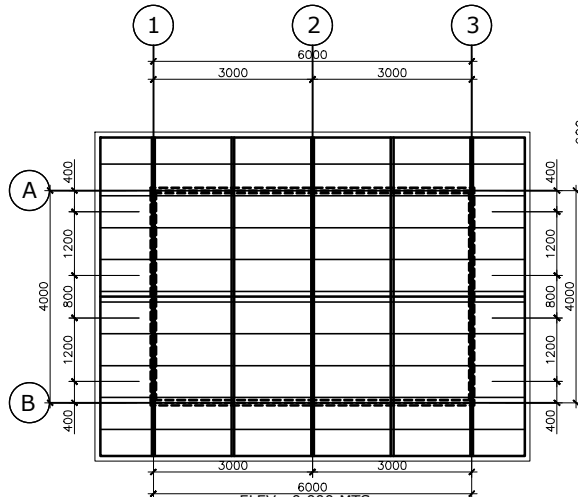
ELEV. 0.000 MTS  
REFERENCE FOR FLOOR LEVELS

**1 FOUNDATION PLAN**  
SCALE : 1:100 MTS



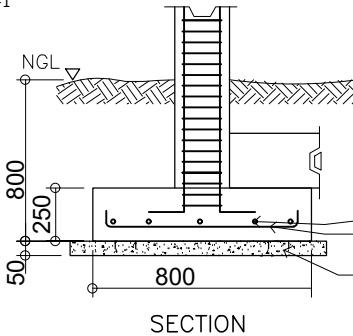
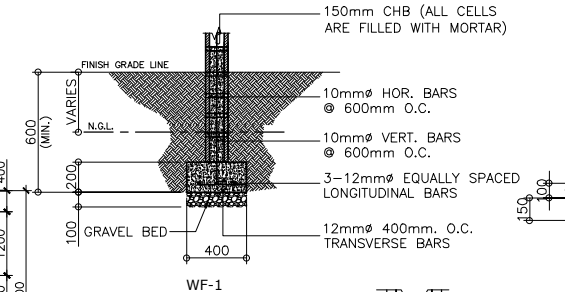
ELEV. 0.000 MTS  
REFERENCE FOR FLOOR LEVELS

**2 ROOF BEAM FRAMING PLAN**  
SCALE : 1:100 MTS

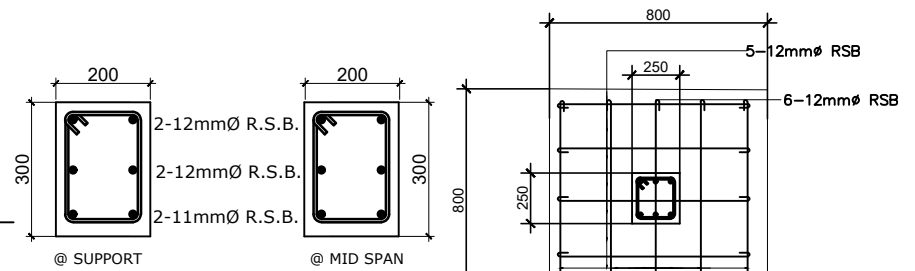


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REFERENCE FOR FLOOR LEVELS

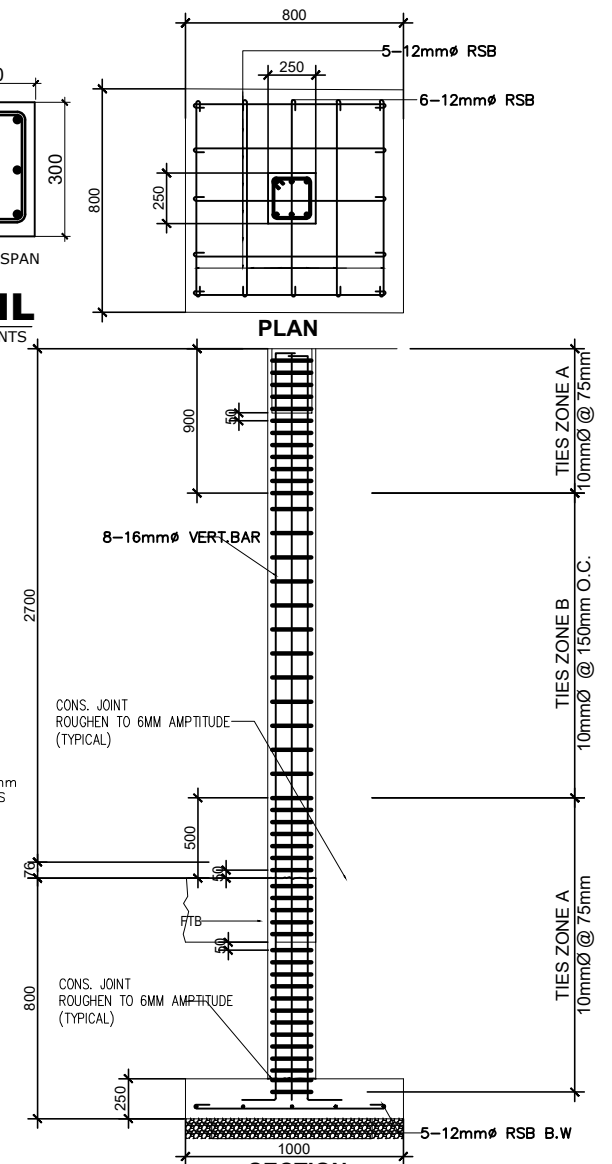
**4 ROOF FRAMING PLAN**  
SCALE : 1:100 MTS



SECTION



**3 RB-1 DETAIL**  
SCALE : NTS



**5 COLUMN & FOOTING DETAIL**  
SCALE : NTS



PROJECT TITLE :  
**PROPOSED CONSTRUCTION OF  
SEA CUCUMBER HATCHERY  
AND NURSERY PRODUCTION**  
LOCATION : BANUYO, GASAN, MARINDUQUE

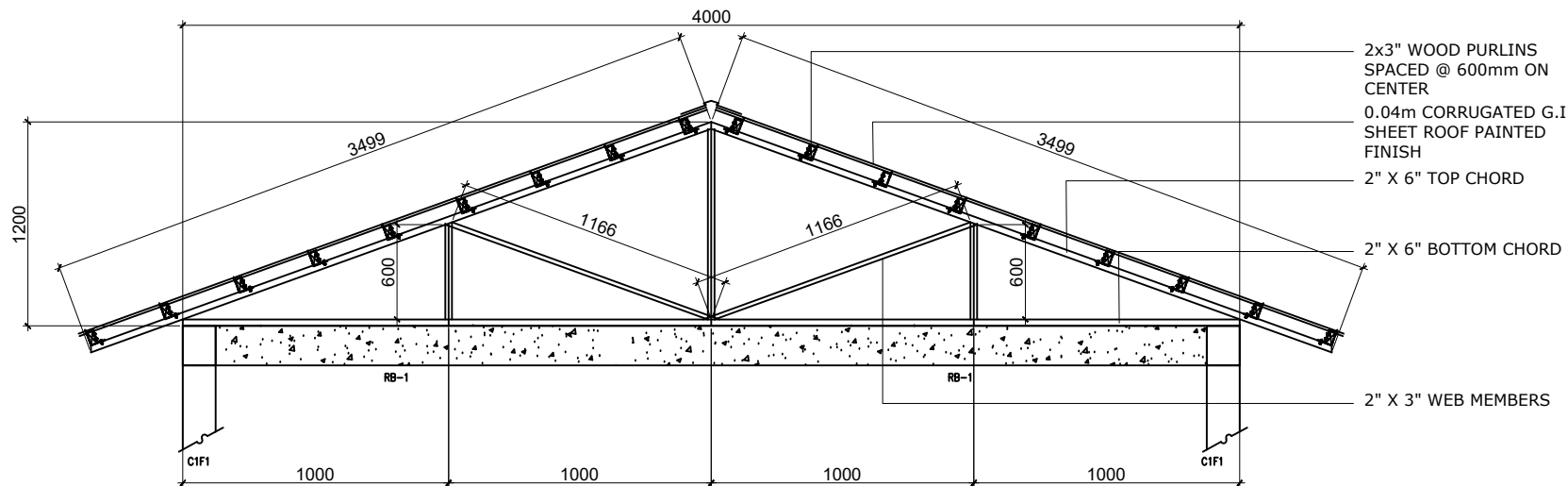
DR. ALEXANDER M. PASCUA  
AGRICULTURAL & BIOSYSTEMS ENGINEER

AR. MAYNARD M. MUHI, MsCM  
HEAD, PHYSICAL FACILITIES & PROJECT MANAGEMENT

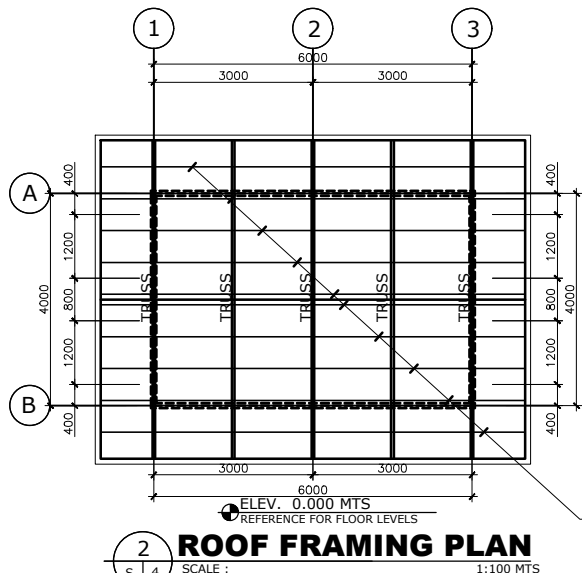
ATTY. CRISPIN FRANCIS M. JANDUSAY  
VP-ADMINISTRATION & FINANCE

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SUC PRESIDENT III

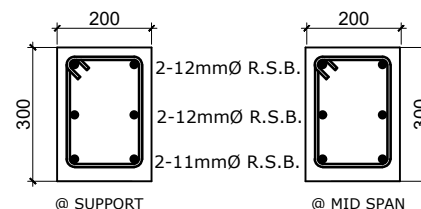
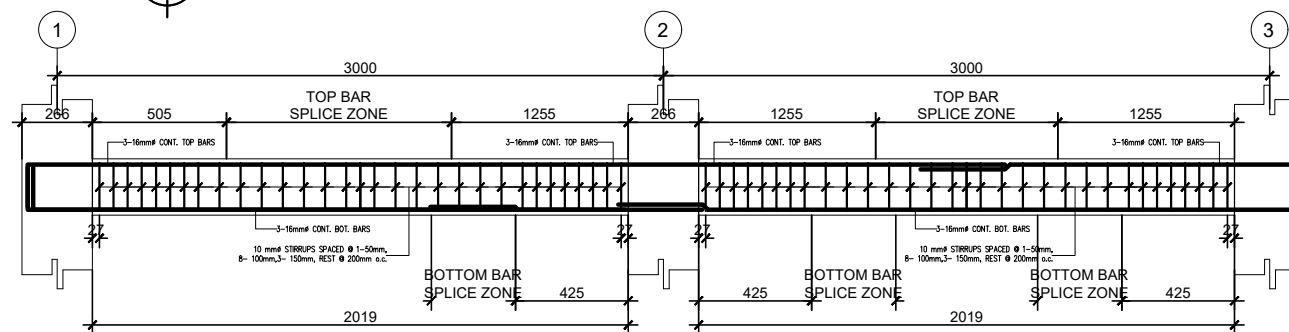
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DATE	MARK/ DESCRIPTION	AS SHOWN	3	
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DRAWN / CADD BY : ATL				




**1 TRUSS DETAILS**  
SCALE : NTS

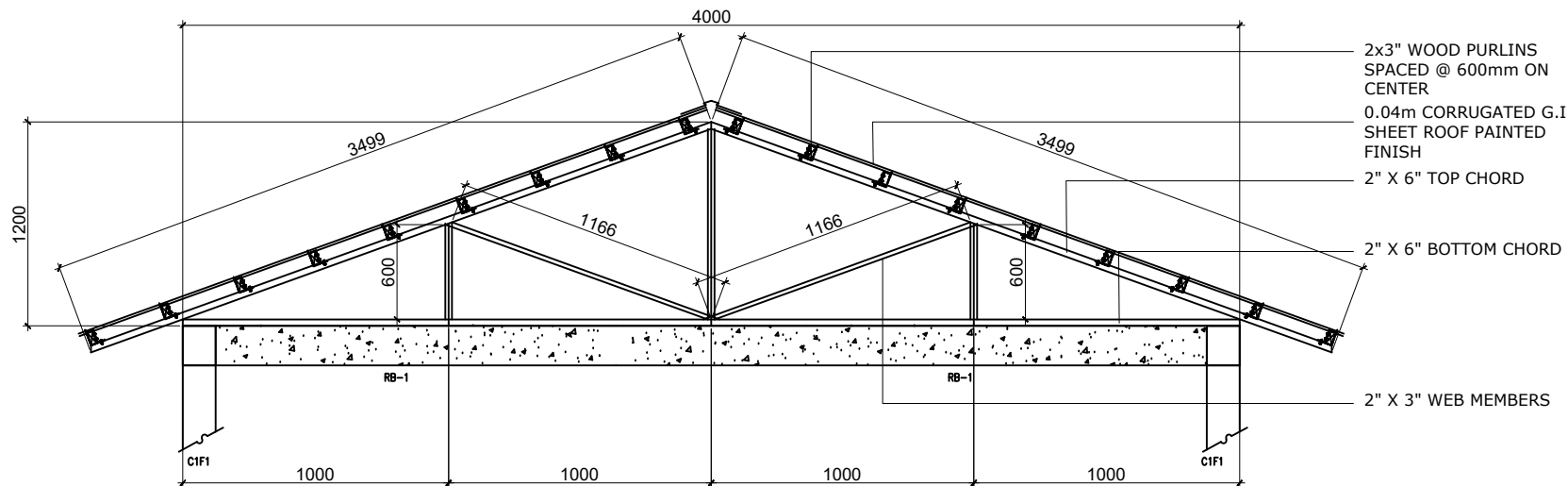


**2 ROOF FRAMING PLAN**  
SCALE : 1:100 MTS

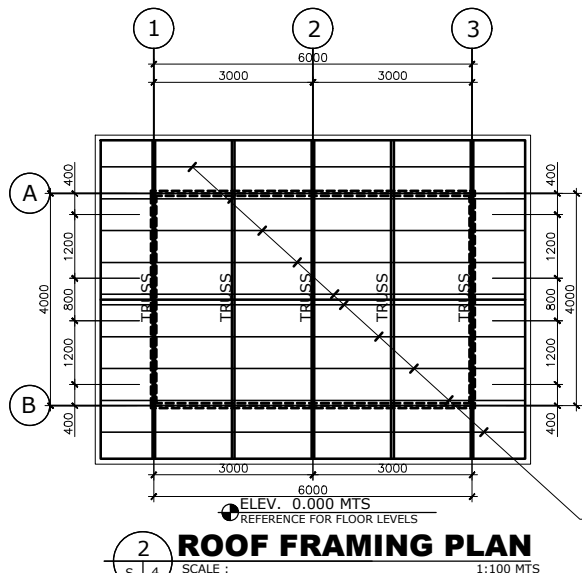


**3 RB-1 DETAIL**  
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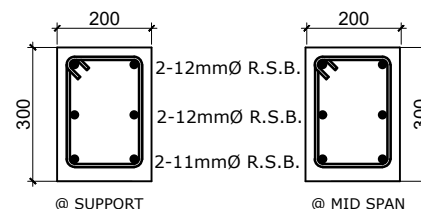
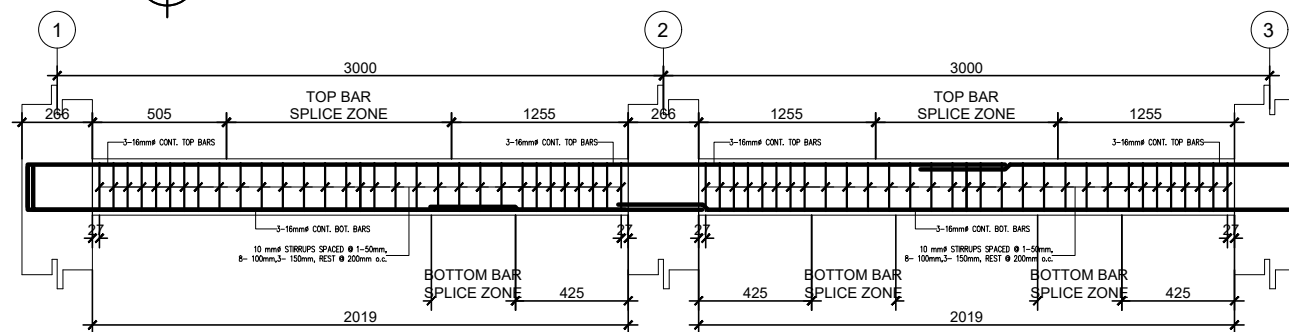
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	<b>PROPOSED CONSTRUCTION OF SEA CUCUMBER HATCHERY AND NURSERY PRODUCTION</b>		<b>DR. ALEXANDER M. PASCUA</b> AGRICULTURAL & BIOSYSTEMS ENGINEER	<b>AR. MAYNARD M. MUHI, MsCM</b> HEAD, PHYSICAL FACILITIES & PROJECT MANAGEMENT	<b>ATTY. CRISPIN FRANCIS M. JANDUSAY</b> VP-ADMINISTRATION & FINANCE	<b>DIOSDADO P. ZULUETA, FFCP, DPA</b> SUC PRESIDENT III	DATE	MARK/ DESCRIPTION	AS SHOWN		
LOCATION : BANUYO, GASAN, MARINDUQUE							DRAWN / CADD BY :	ATL			
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										A-1	15




**1 TRUSS DETAILS**  
SCALE : NTS



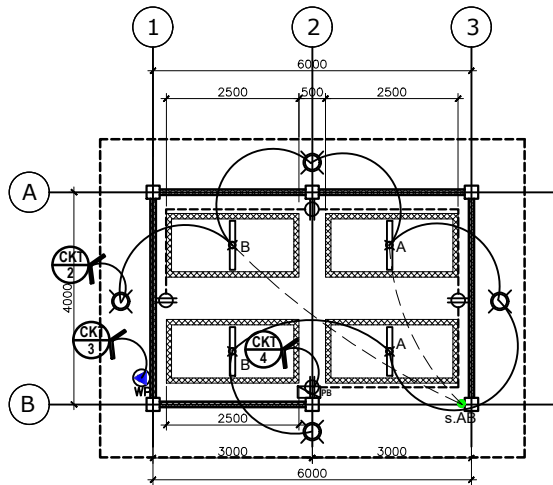
**2 ROOF FRAMING PLAN**  
SCALE : 1:100 MTS



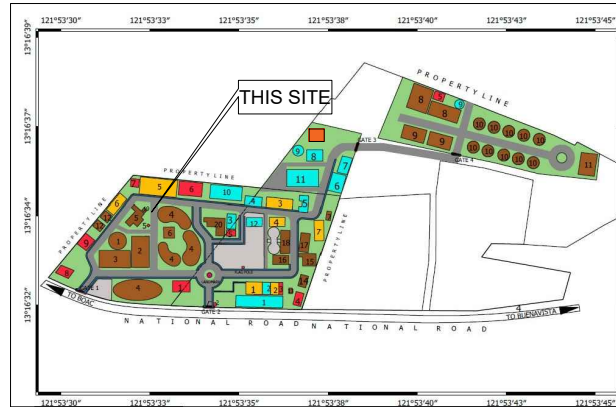
**3 RB-1 DETAIL**  
SCALE : NTS

	PROJECT TITLE :		CHECKED BY :		RECOMMENDING APPROVAL :		APPROVED :	R E V I S I O N S :		SHEET CONTENT :	SHEET NO. :
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LOCATION : BANUYO, GASAN, MARINDUQUE							DRAWN / CADD BY :	ATL			
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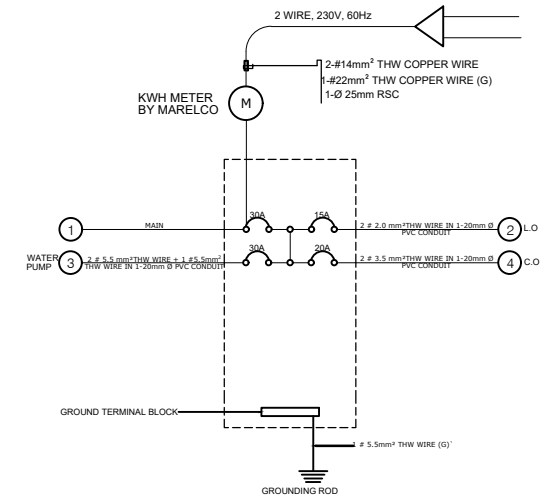




**1 LIGHTING & POWER LAYOUT**  
SCALE : 1:100 MTS



**2 VICINITY MAP**  
SCALE : 1:100 MTS



**3 PANEL BOARD**  
SCALE : NTS

CKT. NO.	LOAD DESCRIPTION	NO.OF OUTLETS	V/A	V	A	CB SIZE	SIZE OF WIRE & CONDUIT
1	MAIN						
2	LIGHTING	9	900	230	3.91	15 A	2 -WIRE NO.2.0mm² THHN -1/2" PVC
3	WATER PUMP(WP)	1	2760	230	12	30 A	2 -WIRE NO.5.5mm² THHN -1/2" PVC
4	C.O	4	720	230	3.13	20 A	2 -WIRE NO.3.5mm² THHN -1/2" PVC

SERVICE ENTRANCE CONDUCTORS: USE 2- 22 mm² THHN Cu WIRES  
4,380 / 230 V = 19.043 AMPS

IT =4,380 X 80%

230

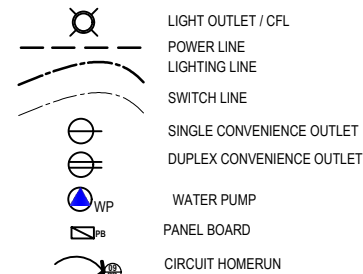
=15.234 AMPS

SERVICE ENTRANCE CONDUCTORS:

SERVICE EQUIPMENT

USE 1-30A, 2 POLE, 240 VAC C.B

**4 SCHEDULE OF LOADS & COMPUTATIONS**  
SCALE : NTS




**5 LEGEND & SYMBOLS**  
SCALE : NTS

#### ELECTRICAL NOTES:

1. ALL ELECTRICAL INSTALLATION WORKS HEREIN SHALL BE DONE IN THE ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE RULES & REGULATIONS OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER, TELEPHONE AND COMMUNICATION COMPANIES. THE ELECTRICAL WORKS SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.
2. UTILITY VOLTAGE TO THE UNIT SHALL BE 3 - PHASE WIRE 230 V 60Hz.
3. THE ELECTRICAL WIRING INSTALLATION SHALL BE DONE IN INTERMEDIATE METALLIC CONDUIT (IMC) INSTALLED BELOW GRADE / SLABS AND WITHIN SLABS SHALL BE RIGID STEEL OR PVC SCHED.40. FLEXIBLE CONDUITS SHALL BE 15mm INTERNAL DIAMETER.
4. ALL WIRE SHALL BE COPPER, PVC INSULATED AND NYLON JACKETED TYPE "THHN" UNLESS OTHERWISE INDICATED. THE MINIMUM SIZE FOR POWER SHALL BE IN 3.5mm. AND FOR LIGHTING 2.0mm. CONTROL WIRES SHALL BE AS INDICATED OR AS SPECIFIED ELSEWHERE IN THE PLAN.
5. THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION, THE SERVICE ENTRANCE FOR CONNECTION TO THE POWER SUPPLY AND ALSO THE ACTUAL LOCATION OF TELEPHONE SYSTEM ENTRANCE FOR CONNECTION TO THE LOCAL TELEPHONE CABLE FACILITIES.
6. THE MOUNTING HEIGHTS OF WIRING DEVICES SHALL BE AS FOLLOWS:  
a.) LIGHT SWITCHES 1.30 m ABOVE FLOOR FINISH  
b.) CONVENIENCE OUTLETS 0.30 m do / AS REQUIRED  
c.) TELEPHONE OUTLET 0.30 m do / AS REQUIRED  
d.) PANEL BOARDS & CABINETS 140. m do / AT CENTER
7. FOR EACH SPARE BRANCH CIRCUIT IN PANELBOARDS, PROVIDE ONE 20mm DIAMETER CONDUITS TERMINATED TO A 100 mm OCTAGONAL BOX ABOVE CEILING.
8. PROVIDE PULL WIRES IN ALL EMPTY CONDUITS.
9. SPECIFY THE SERVICE NEEDED NUMBER OF PHASES, VOLTAGE & FREQUENCY
10. SPECIFY IF THERE WILL BE A PHASE CONVERTER AND / OR TRANSFORMER FOR OTHER EQUIPMENT.
11. USE GREEN CONDUCTOR FOR GROUND & WHITE FOR NEUTRAL.
12. GENERATOR SPECS.

**6 ELECTRICAL NOTES**  
SCALE : NTS

	PROJECT TITLE :		CHECKED BY :		RECOMMENDING APPROVAL :		APPROVED :		R E V I S I O N S :	SHEET CONTENT :	SHEET NO. :	
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												E-1 15
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