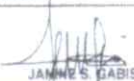
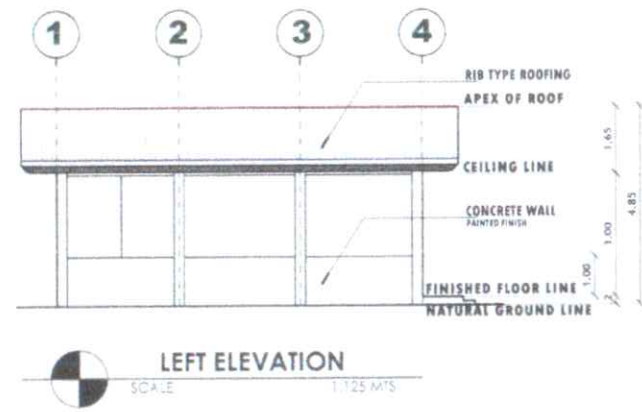
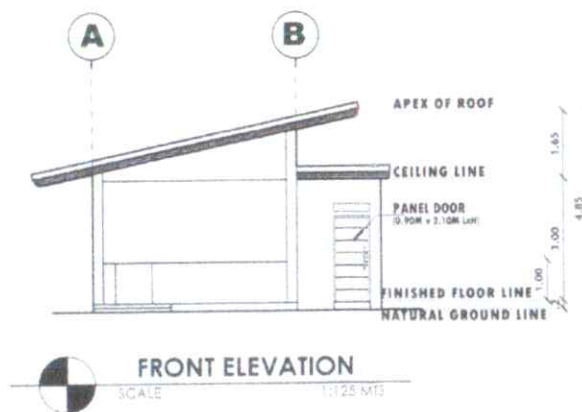
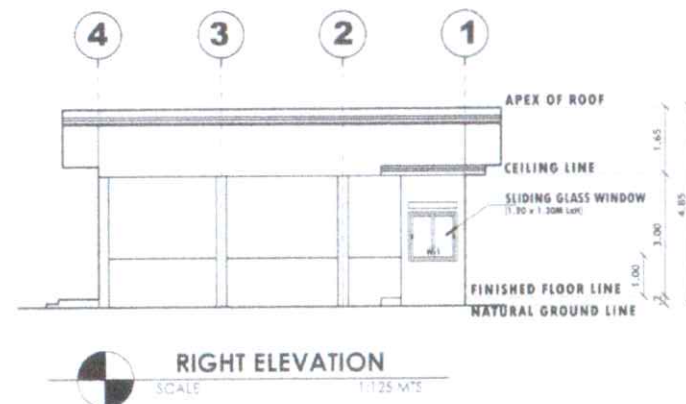
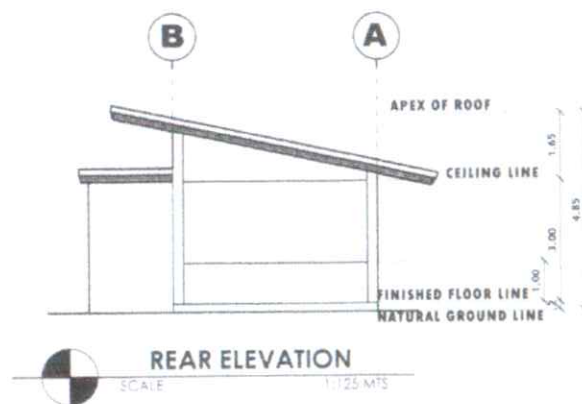
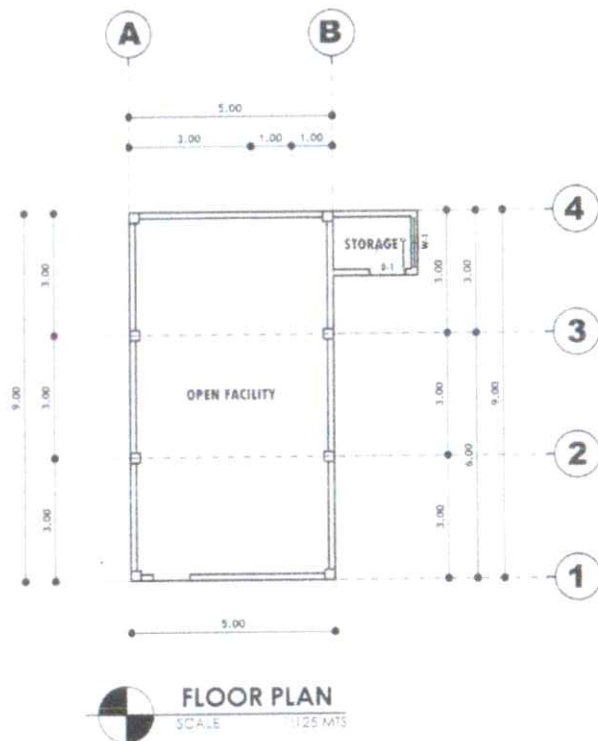
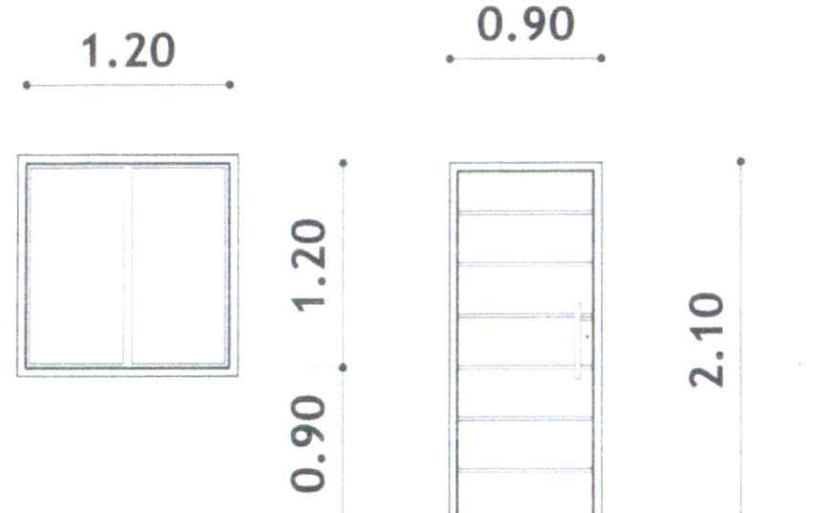
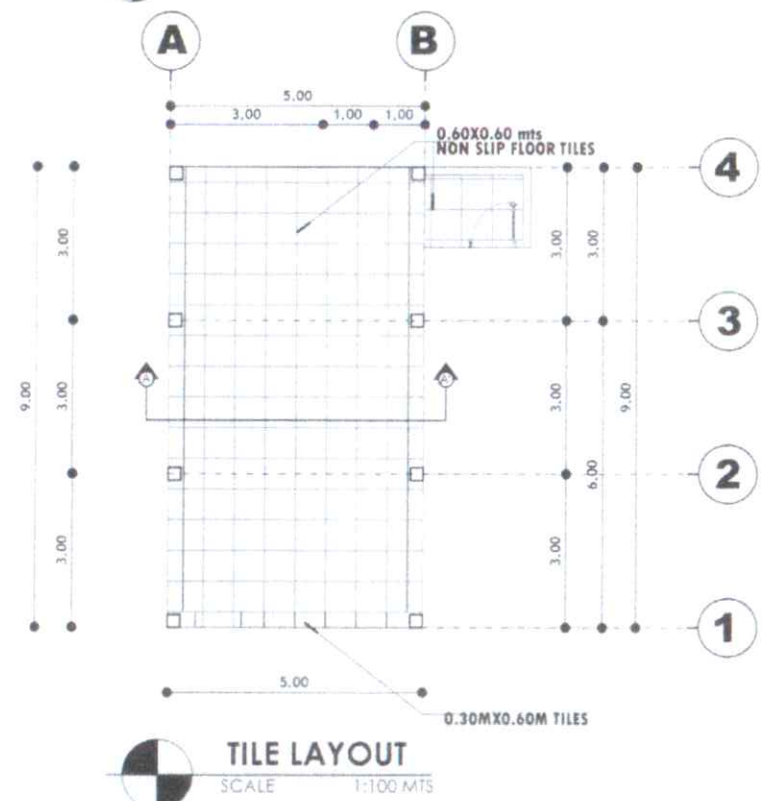
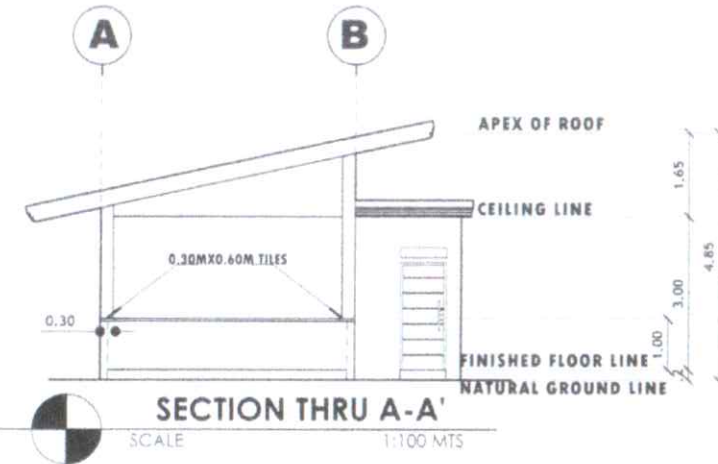




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	Republic of the Philippines DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE I REGIONAL AGRICULTURAL ENGINEERING DIVISION CITY OF SAN FERNANDO, LA UNION	CONSTRUCTION OF OPEN TECHING DEMONSTRATION FACILITY BUAL, PANGASINAN	 JAMES S. GABIS Technical Staff	 JOYLENE G. BUNGBUNSA BE Chief EPOS, RAEO	 DENNIS I. TACTAC, ASEAN Eng Chief, RAEO	 NESTOR D. DOMENDEN, CESO IV OIC, Regional Executive Director	A-1



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SLIDING GLASS WINDOW
LOCATION: STORAGE ROOM, EGG
HATCHING ROOM
REQUIRED: 1 SET



PANEL DOOR
LOCATION: STORAGE ENTRY
REQUIRED: 1 SET

SCHEDULE OF DOORS AND WINDOWS

SCALE: 1:30 MTS

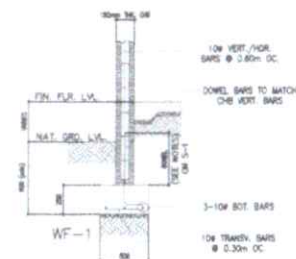
PREPARED FROM THE OFFICE OF Republic of the Philippines DEPARTMENT OF AGRICULTURE REGIONAL FIELD OFFICE I REGIONAL AGRICULTURAL ENGINEERING DIVISION CITY OF SAN FERNANDO, LA UNION	PROJECT TITLE & LOCATION CONSTRUCTION OF OPEN TECH DEMONSTRATION FACILITY BUAL, PANGASARAN	PREPARED BY JAMINE S. ORRIS Technical Staff	CHECKED & REVIEWED JOYLENE G. BUNGUBUNGABE SUPERVISOR	RECOMMENDING APPROVAL DENNIS I. TACTAC, ASEAN Eng Chief, RAED	APPROVED NESTOR D. DOMENDEN, CESO IV D/O: Regional Executive Director	SHEET NO. A-3
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FOOTING SCHEDULE

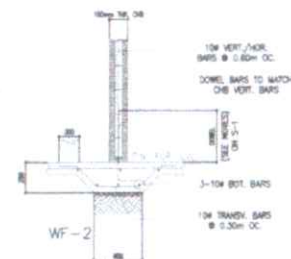
Mark	Dimensions (mm)			EXCAVATION DEPTH	REINFORCING STEEL BARS	NOTES
	Length	Width	Depth			
F-1	1000	1000	200	1200mm BELOW NGL	7 - 12mm ϕ BOTHWAYS	ISOLATED FOOTING

GIRDER/BEAM SCHEDULE

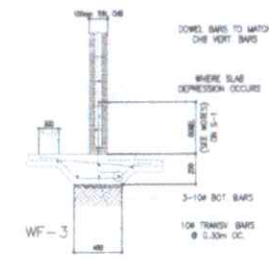
Beam Mark	Section		Left Support	Mid Support	Right Support	Web Bars	Stirrups	Remarks
	B (mm)	H (mm)	Top	Bottom	Top	Bottom		
RB-1	200	350	1	3 - 16 ϕ	2 - 16 ϕ	3 - 16 ϕ	100 - 1 ϕ 50mm, 8 ϕ 100mm REST @ 125mm o.c.	TYPE 1
			2	-	-	-		
			3	2 - 16 ϕ	3 - 16 ϕ	2 - 16 ϕ		



AT EDGE / PERIMETER CHB WALL

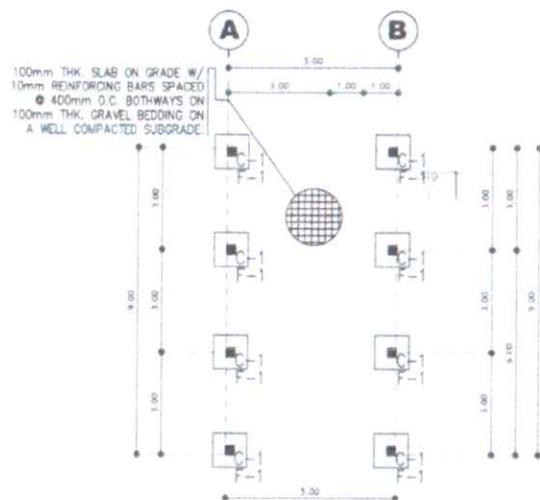


AT INTERIOR CHB WALLS



AT INTERIOR WALLS WITH SLAB ELEVATION DIFFERENCE

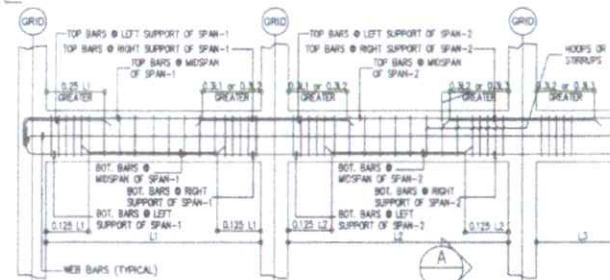
NOTES:
ALL WALL FOOTING LOCATION MUST BE BASED ON ARCHITECTURAL PLAN



FOUNDATION PLAN
SCALE: 1:100 MTS

COLUMN SCHEDULE

C-1	
SIZE:	250 x 250mm
REBAR:	4 - 16mm ϕ
JOINT:	10mm ϕ - 4 @ 100mm
CONFINEMENT:	10mm ϕ - 1 @ 50mm, 8 @ 100mm
TIES:	REST @ 150mm TO M.H.

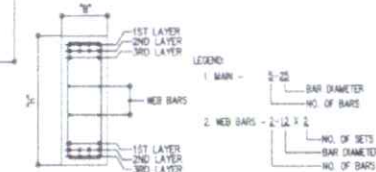


NOTES:
1.0 NO SPLICE SHALL BE MADE AT DISTANCE 2H FROM FACE OF THE SUPPORT.
2.0 BOTTOM BARS SHALL BE SPLICED WITHIN L/4 BUT NOT LESS THAN 3H FROM FACE OF THE SUPPORT.
3.0 TOP BARS CAN BE SPLICED ANYWHERE BEYOND 2H FROM FACE OF THE SUPPORT.

1 TYPICAL BEAM DETAIL
SCALE: 1:100 MTS



B TYPE OF STIRRUPS
SCALE: 1:150 MTS



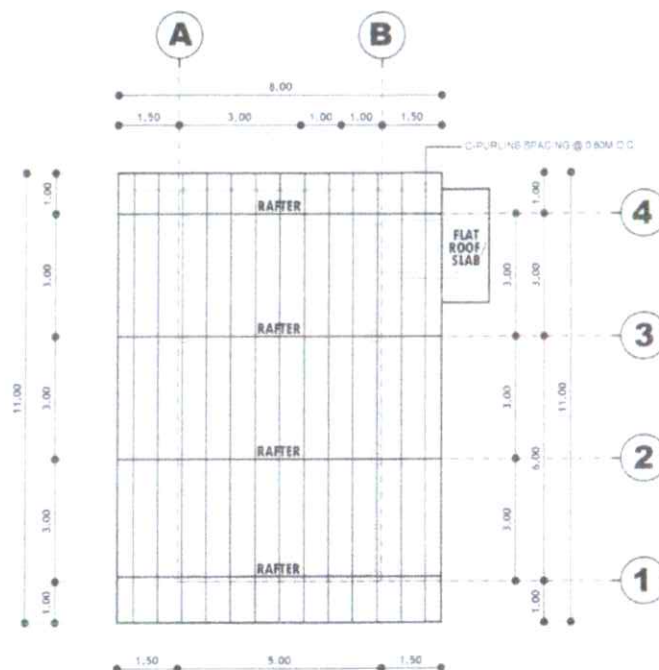
A TYPICAL BEAM SECTION
SCALE: 1:100 MTS

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	REGIONAL AGRICULTURAL ENGINEERING DIVISION CITY OF SAN FERNANDO, LA UNION		SUAL, PANGASINAN	Technical Staff	Supervising Staff	Chief RAED	



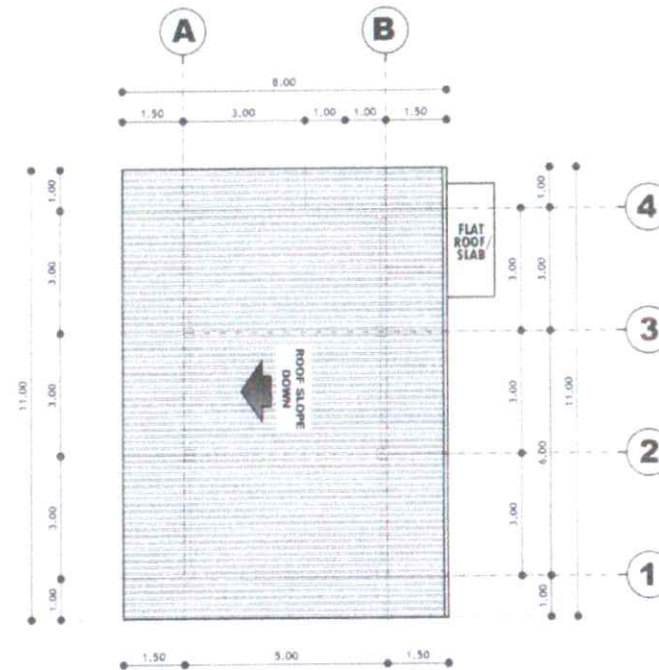
ROOF BEAM PLAN

SCALE 1:125 MTS



ROOF FRAMING PLAN

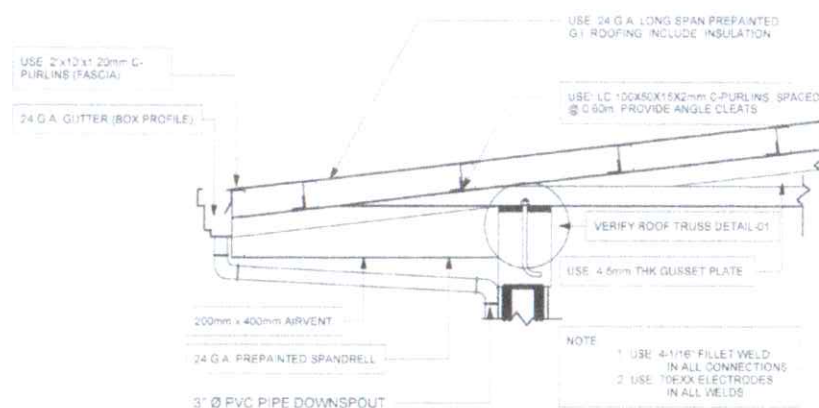
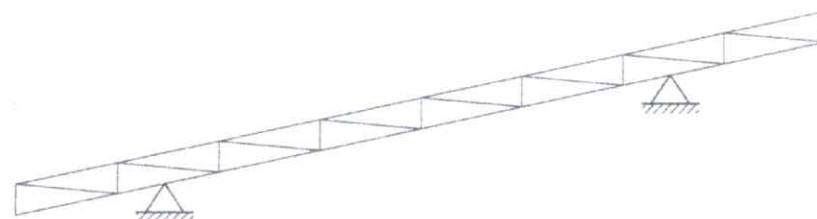
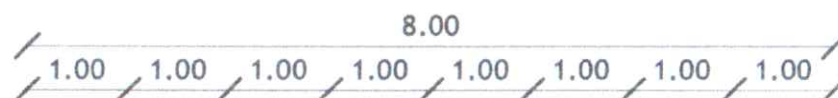
SCALE 1:125 MTS



ROOF PLAN

SCALE 1:125 MTS

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**TRUSS DETAIL**

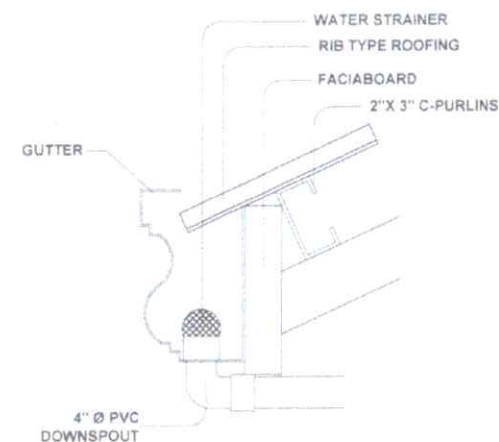
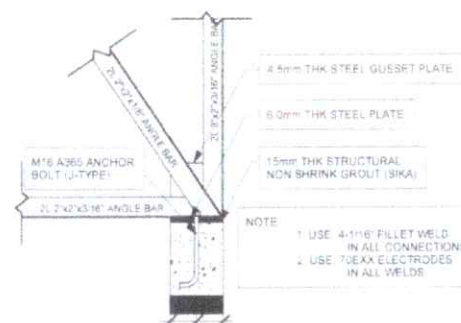
LEGEND :

(A)	1L 50x50x5
(B)	1L 50x50x5

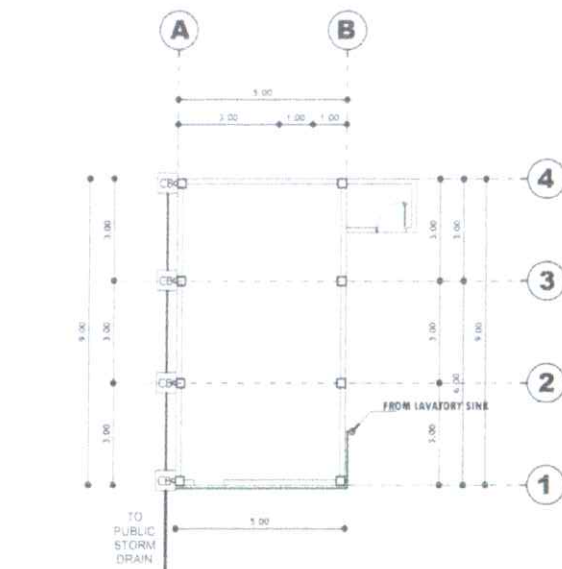
WEB MEMBERS: 1L 50x50x3mm

**TRUSS DIAGRAM**

SCALE 1:50MTS

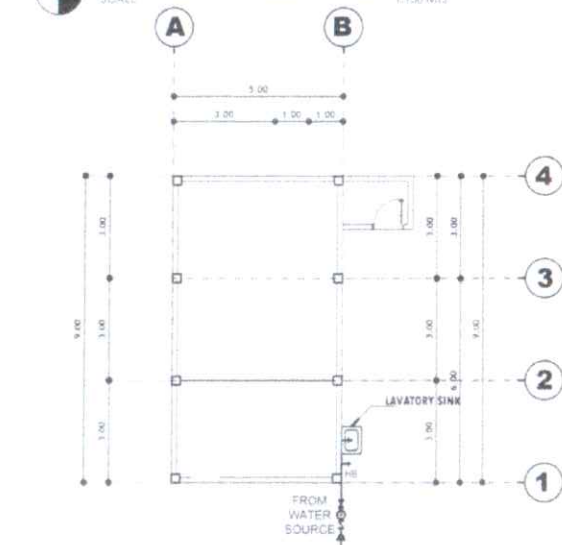
**GUTTER SPOT DETAIL****TRUSS DETAIL**

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		SUAL, PAYSASMAN					



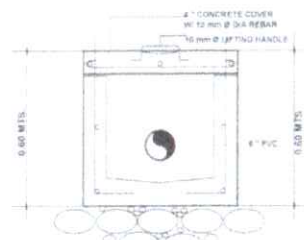
GROUND FLOOR WASTELINE LAYOUT

SCALE 1:150 MTS

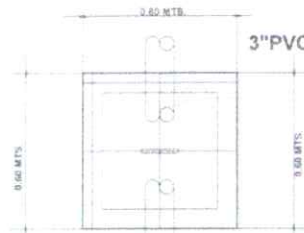


GROUND FLOOR WATERLINE LAYOUT

SCALE 1:150 MTS



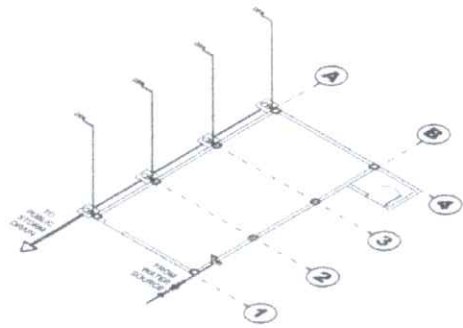
SECTION



PLAN
CATCH BASIN DETAIL

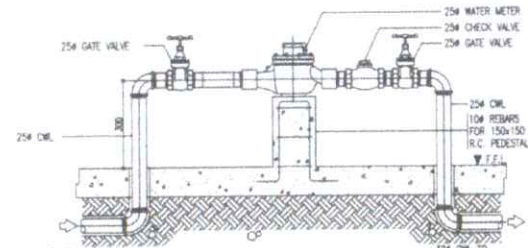
GENERAL NOTES AND SPECIFICATIONS

1. ALL PLUMBING WORKS SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE, SANITARY CODE, LOCAL CODE REQUIREMENTS.
2. THE PLUMBING LAYOUT IS DIAGRAMATIC. PIPES, CLEANOUT, AND CHECK VALVES SHALL BE CONCEALED AS MUCH AS POSSIBLE.
3. PIPES SHALL BE EMBEDDED IN ANY STRUCTURAL MEMBERS NOT UNLESS OTHERWISE SPECIFIED OR ALLOWED.
4. MAXIMUM SLOPES FOR SEWER LINES SHALL BE 2% AND DRAIN LINES 1%.
5. ALL FLOOR SHALL BE VENTED INDIVIDUALLY.
6. ALL PVC PIPES SHALL BE VENTED INDIVIDUALLY AND SHALL BE APPROVED QUALITY AND GALVANIZED IRON PIPES FOR WATER DISTRIBUTION SHALL BE SCHEDULED 40 L.S. STANDARD WEIGHT.
7. PROVIDE VENT PIPE AND VENT STACKS THROUGH ROOF OR WALLS.
8. PROVIDE GATE VALVE TO ALL WATER SUPPLY LINE FIXTURES.
9. ALL HOSE BIBBS SHALL BE 1/2" IN DIAMETER UNLESS OTHERWISE INDICATED OR SPECIFIED.
10. INLET PIPE OR SEPTIC TANK SHALL BE 50MM HIGHER THAN OUTLET PIPE.
11. ALL PLUMBING WORKS SHALL BE DONE UNDER THE SUPERVISION OF A DULY LICENSED SANITARY ENGINEER OR MASTER PLUMBER.
12. ALL CLEANOUT SHALL BE FLUSH MOUNTED AND SHALL BE PROVIDED WITH POLISHED COVER CAPS. DO NOT INSTALL FLOOR CLEANOUTS EXCEPT LINE ON GRADE AND SERVICE AREAS NOT SUBJECTED TO TRAFFIC.



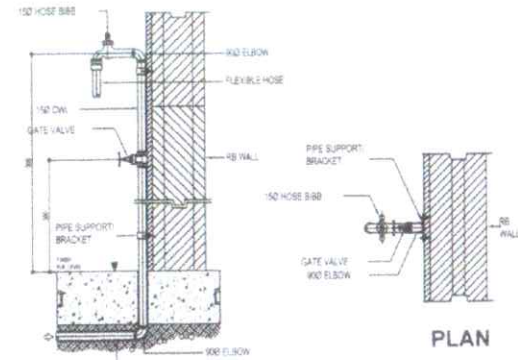
ISOMETRIC LAYOUT

SCALE 1:150 MTS



SECTION

WATER METER DETAIL

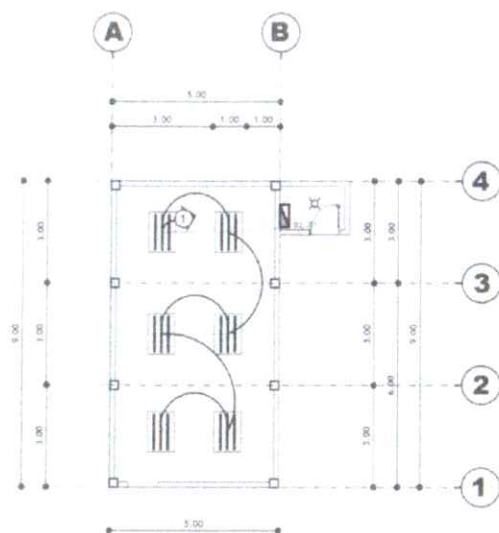


PLAN

SECTION

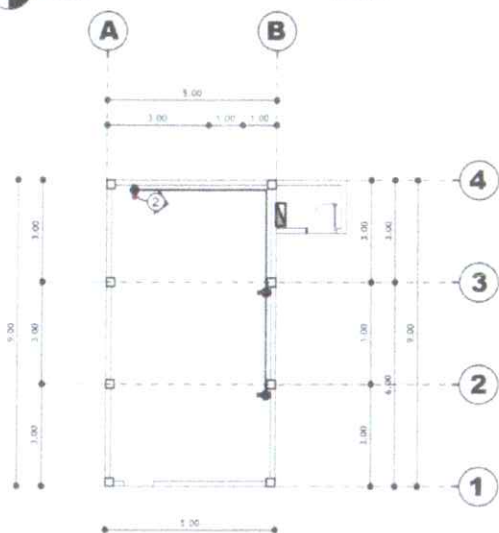
HOSE BIBB DETAIL

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GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100 MTS



GROUND FLOOR POWER LAYOUT

SCALE 1:100 MTS

LOAD SCHEDULE & COMPUTATION

CIRCUIT NO.	DESCRIPTION	QTY.	WATTS / OUTLET	TOTAL VA	VOLTAGE	AMPERE	CIRCUIT BREAKER	SIZE OF WIRE	CONDUIT
1	LIGHTING OUTLET (LO)	7	100	700	230 V	3.04	15 AT	2-3.5 mm ² THW	20 mm ²
2	CONVENIENCE OUTLET (CO)	3	180	540	230 V	2.35	20 AT	2-3.5 mm ² THW	20 mm ²
3	SPARE	1	1000	1000	230 V	4.35	20 AT	2-3.5 mm ² THW	20 mm ²
4	SPARE	1	1000	1000	230 V	4.35	20 AT	2-3.5 mm ² THW	20 mm ²
TOTAL				3,240 VA		14.09 AMP			

USE OF FEEDER CONDUCTOR AND PROTECTION:
CONDUCTOR
(TOTAL) = $(14 \text{ 060V} \times 8) + (5 \text{ 25V} \times 12)$
= 13,772A / 0.34
= 14.45 AMPERES

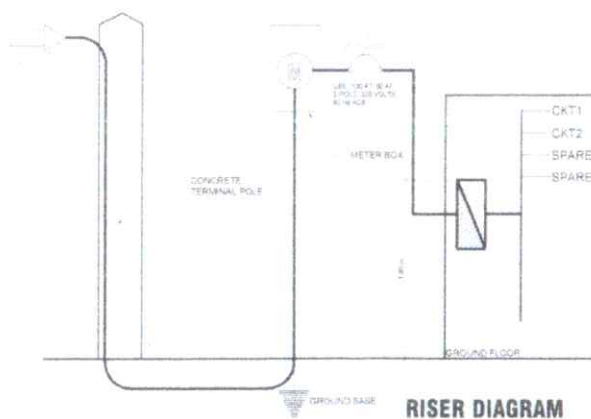
SIZE OF FEEDER PROTECTION
USE 2-50mm² THW COPPER WIRE + 1-14mm² TW GROUND WIRE
N 40 mm Ø RSC PIPE
ONE - 100AT 1F 225A 230V MCCB

GENERAL ELECTRICAL NOTES

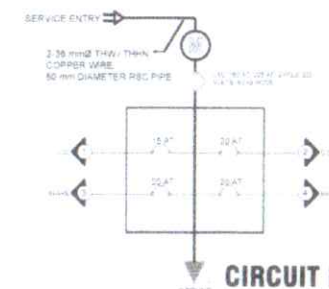
1. ALL ELECTRICAL WORKS INDICATED HEREIN SHALL BE DONE IN ACCORDANCE WITH THE LATEST PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, RULES AND REGULATIONS IN WHOLE OR IN PART AS AMENDED BY THE LOCAL POWER COMPANY AND REPUBLIC ACT NO. 6394, AS AMENDED BY REPUBLIC ACT NO. 6394.
2. SERVICE FROM THE ELECTRIC POWER COMPANY SHALL BE 1 PHASE 2 WIRE 230 VOLTS 60 CYCLES MINIMUM SIZE OF CONDUITS WHEN NOT INDICATED IN THE PLAN OR DRAWINGS SHALL BE 15 mm Ø NOMINAL DIAMETER.
3. MINIMUM SIZE OF CONDUCTORS WHEN NOT INDICATED IN THE PLAN OR DRAWINGS SHALL BE 3.5 mm Ø NOMINAL DIAMETER.
4. WHENEVER NECESSARY RULL BOX SHALL BE PROVIDED EVEN IF NOT INDICATED IN THE PLANS.
5. ELBOWS TO BE USED IN CONDUIT SHALL BE LONG ELBOW.
6. TUMBLER SWITCHES ARE TO BE INSTALLED WITH WIRE SIZE OF 20 mm² THW.
7. ALL AC'S AND WATER PUMP SHALL BE PROVIDED WITH 30 AMPERES SAFETY SWITCH TO SERVE AS DISCONNECTING MEANS IN READILY ACCESS TO LOCATION WITHIN SIGHT FROM THE EQUIPMENT.
8. ALL INSTALLATION SHALL BE DONE IN GOOD AND NEAT WORKMANSHIP.
9. REFER TO TABLE SO IF THE PHILIPPINE ELECTRICAL CODE FOR PROPER CONDUIT SIZES WHEN EACH ARE NOT INDICATED IN THE PLANS.
10. CONSULT THE ARCHITECT OR THE PROFESSIONAL ELECTRICAL ENGINEER OR MASTER ELECTRICIAN FOR FURTHER VERIFICATION.

LEGEND:

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TROUGH LIGHT		PANEL BOX
	FLUORESCENT BULB		CIRCUIT HOMERUN
	LIGHTING LINE CONCEALED ON CEILING		POWER SERVICE ENTRANCE CAP
	POWER LINE CONCEALED IN WALL/FLOOR		CIRCUIT BREAKER
	SWITCH LINE		1-GANG SWITCH
	KILOWATT-HOUR METER		3-GANG SWITCH
	CONVENIENCE OUTLET		



RISER DIAGRAM



CIRCUIT DIAGRAM

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