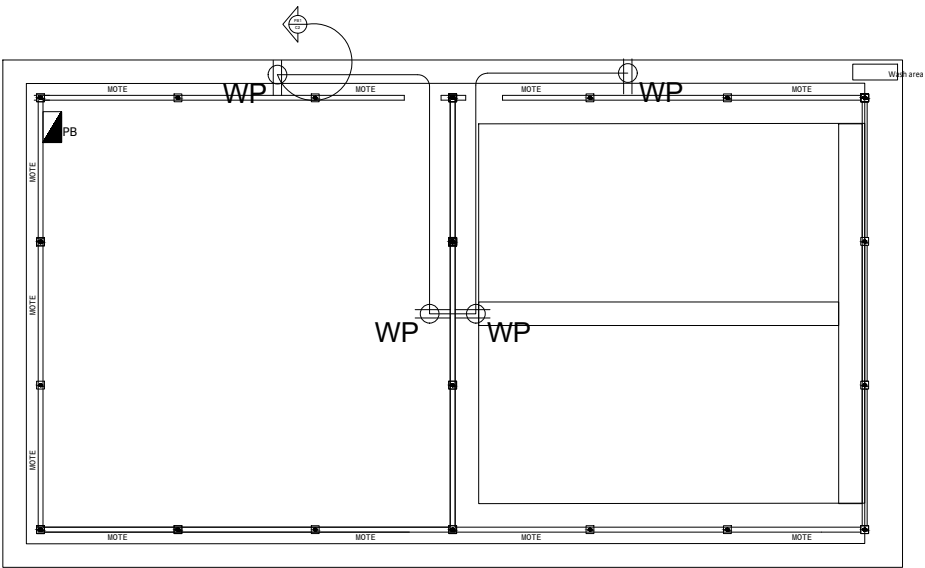


LIGHTING LAYOUT

SCALE 1:150METERS



POWER LAYOUT

SCALE 1:150METERS

- LED LIGHT
- LED LUMINAIRE
- DUPLEX CONV OUTLET
- WEATHER PROOF DUPLEX CONV OUTLET
- SINGLE GANG SWITCH
- TWO GANG SWITCH
- AIRCON UNIT OUTLET
- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- PANEL BOARD

LEGEND

SCALE

NTS

Load Computation

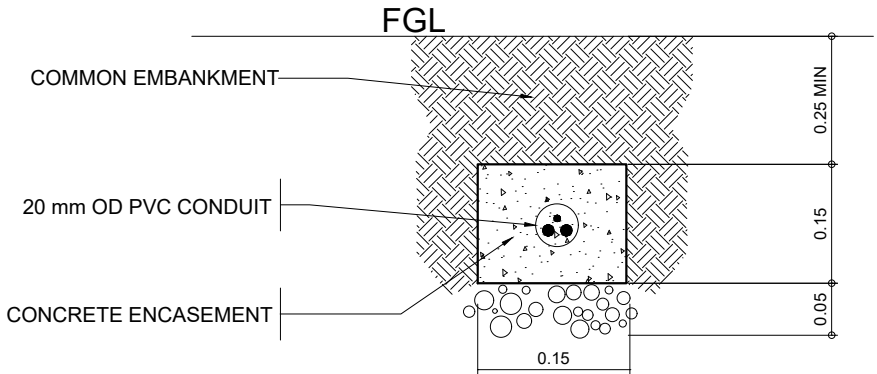
screenhouse

PANEL BOARD 1										
CKT NO.	LOAD DESCRIPTION	VOLTS	TOTAL VA	AMP/CKT	CKT PROTECTION		SIZE OF WIRE		CONDUIT SIZE	
					AT	AF	TYPE	mm	TYPE	mm
1	12 LIGHTING OUTLET	230	1200	5.22	15	50	THHN	2 - 2.0	PVC/EMT	20
2	4 CONVENIENCE OTULET	230	1440	6.26	20	50	THHN	2 - 3.5	PVC/EMT	20
				11.48						

Line Current = 11.48 A

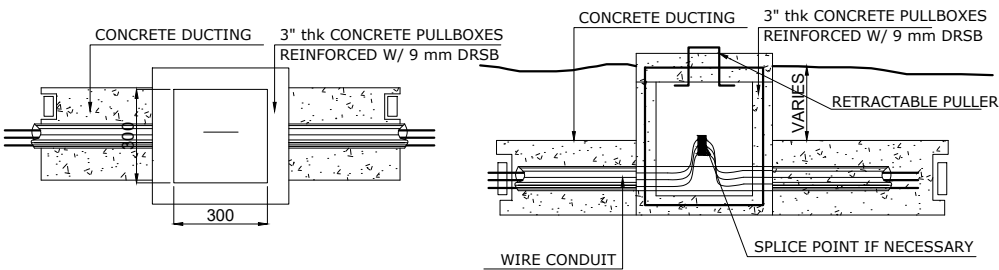
For Feeder Conductor = 1.25 x 11.48 A = 14.35
Use 2 - 5.5 mm THHN cu.wire in 25mm ϕ PVC Pipe

For Feeder Protection Use 30AT 50AF SINGLE PHASE 230V 60Hz MCCB,
BOLT TYPE THERMAL MAGNETIC IN NEMA 3R ENCLOSURE, GAUGE #16



DETAIL OF UNDERGROUND WIRING & CONCRETE DUCTING

SCALE 1:10 MTS.



DETAIL OF CONCRETE PULLBOX

GENERAL NOTES :

ALL ELECTRICAL INSTALLATION SHALL BE DONE IN WORKMANLIKE MANNER AND IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (P.E.C.) NATIONAL BUILDING CODE OF THE PHILIPPINES AND THE REQUIREMENT OF THE POWER COMPANY.

GROUNDING SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE. ALL NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT FRAMES OR ENCLOSURES SHALL BE CONNECTED TO EQUIPMENT GROUNDING SYSTEM WIRE WITH SOFT DRAWN COPPER WIRE & SUITABLE TERMINAL LUGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO ENSURE THE INSTALLATION OF ALL WORKS WITHIN THE AVAILABLE SPACE. MINIMUM SIZE OF WIRE TO BE USED SHALL BE 2.0mm² FOR LIGHTING AND 3.5mm² FOR POWER.

LAYOUT SHOWN ON THE PLANS ARE DIAGRAMATIC AND SHALL WHEN NECESSARY BE ALTERED IN THE FIELD TO SUIT CONDITIONS AND LOCATION.

PULL BOXES SHALL BE PROVIDED WHENEVER NECESSARY TO FACILITATE WIRE PULLING EVEN IF THESE ARE NOT INDICATED ON THE PLANS.

ALL ELECTRICAL MATERIALS TO BE USED SHALL BE NEW AND THE APPROVED TYPE FOR THE LOCATION AND PURPOSES.

ALL WORKS SHALL BE DONE BY EXPERIENCED ELECTRICIANS AND UNDER THE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.

CONDUCT INSULATION TEST ON ALL WIRINGS, FIXTURES AND DEVICES INSTALLED AND COMPLETED BEFORE APPLYING POWER. SUBMIT RECORDED MEASUREMENTS OF INSULATION TEST PER SERVICE ENTRANCE, FEEDERS AND AND BRANCH CIRCUIT TESTED.

WIRING SHALL BE STANDARD COPPER BUILDING WIRE NOTED 600V, THE CORE AREA AND TYPE OF INSULATION ARE NOTED ELSE WHERE IN THE DRAWINGS

WIRINGS SHALL BE INSTALLED INSIDE THE PVC CONDUIT PIPE TUBING, EMBEDDED INSIDE A CONCRETE FLOORS, COLUMNS, BEAMS, CHB WALLS, PARTITIONS, AND CONCEALED INSIDE A CEILING SPACES

REFER TO ELECTRICAL SPECIFICATIONS FOR SPECIFIC INFORMATIONS.

SCREENHOUSE

DESIGN BY : RBB

DATE:

CADD BY: DG & LG

DATE:

CHECKED BY:

E1

08

17