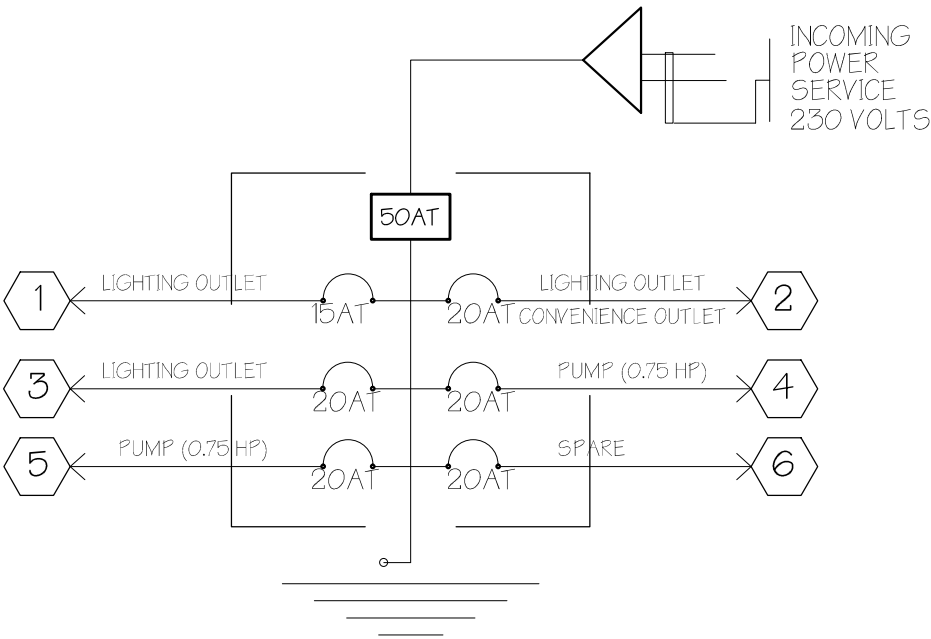


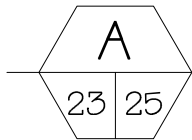
ELECTRICAL SPECIFICATIONS

1. ALL ELECTRICAL WORKS SHALL COMPLY WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE WITH THE RULES AND REGULATION OF THE OF THE NATIONAL AND LOCAL AUTHORITIES CONCERN IN THE ENFORCEMENT OF THE ELECTRICAL LAWS AND REGULATIONS OF THE UTILITY COMPANIES CONCERN.
2. SERVICE ENTRANCE VOLTAGE TO THE BUILDING SHALL BE 240VOLTS, 60 HERTZ, THREE PHASE.
3. THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOACTION OF CONCRETE TERMINAL POLE FOR CONNECTION TO THE POWER SUPPLY AND TELEPHONE.
4. ALL INSTALLATION CONCEALED FROM VIEW WIRING SHALL BE INCASE OF POLYVINYL CHLORIDE (PVC) SCHEDULE 40 EXCEPT POWER AND TELEPHONE SERVICE WHICH SHALL BE RIGID STEEL CONDUIT (RSC) OR OTHER WISE NOTED.
5. PULL BOXES OF APPROPRIATE SIZE SHALL BE PROVIDED, EVEN IF NOT INDICATED IN THE DRAWING TO ACCOMMODATE THE NUMBER OF SPLICES OF WIRE.
6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE APPROPRIATE FOR BOTH LOCATION AND INTENDED USE.
7. ELECTRICAL INSTALLATION SHALL BE UNDER DIRECT SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER OR A REGISTERED MASTER ELECTRICIAN.
- 8.NO REVISION IN THE DESIGN SHALL BE DONE WITHOUT THE PRIOR KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER, ANY SUCH REVISIONS DONE WITHOUT APPROVAL SHALL BE CAUSE RESPONSIBILITY OF THE DESIGNER TO CEASE THE WHOLE.
9. MOUNTING SHALL BE AS FOLLOWS:
- LIGHTING SWITCHES SHALL BE 1.40 METERS ABOVE FINISH FLOOR LINE.
 - CONVENIENCE OUTLETS SHALL BE 0.30 METERS ABOVE FINISH FLOOR LINE.
 - TABLE OUTLETS SHALL BE 0.15 METERS ABOVE COUNTER ON THE CENTER.
 - CABINET PANELBOARD SHALL BE 1.40 METER ABOVEFLOOR FINISH UNLESS OTHERWISE DIRECTED.

FOM PANELBOARD											
CKT.NO	LOAD DESCRIPTION	NO. OF OUTLETS	VOLTAGE	TOTAL VA	AMP/CKT.	CKT. PROTECTION		SIZE OF WIRE		SIZE OF CONDUIT	
						AT	AF	mm²	TYPE	mm²	TYPE
1	Lighting Outlet	13	230	1300	5.65	15	50	2-3.5	THHN	20	Flexible Hose
2	Lighting Outlet	9	230	900	3.91	20	50	2-3.5	THHN	20	Flexible Hose
	Convenience Outlet	2	230	720	3.13						
3	Lighting Outlet	7	230	700	3.04	15	50	2-3.5	THHN	20	Flexible Hose
4	Pump 0.75Hp	1	230		9.00	20	50	2-3.5	THHN	20	Flexible Hose
5	Pump 0.75Hp	1	230		9.00	20	50	2-3.5	THHN	20	Flexible Hose
6	Spare	1	230	2760	12.00	20	50	3-5.5	THHN	20	Flexible Hose
					45.74	A					
					Line Current	=	45.74	A			
					For Feeder Conductor	=	1.25 x	45.74	=	57.17	A
					Use 2-8.0mm² THHN cu.wire in a 32mmØPVC						
					For Feeder Protection						
					Use 50AT, 100AF, Single Phase 230V, 60Hz, MCCB						



FOM PANELBOARD DIAGRAM



ELECTRICAL SCHEDULE OF LOADS

SCALE 1:250 METERS