

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.

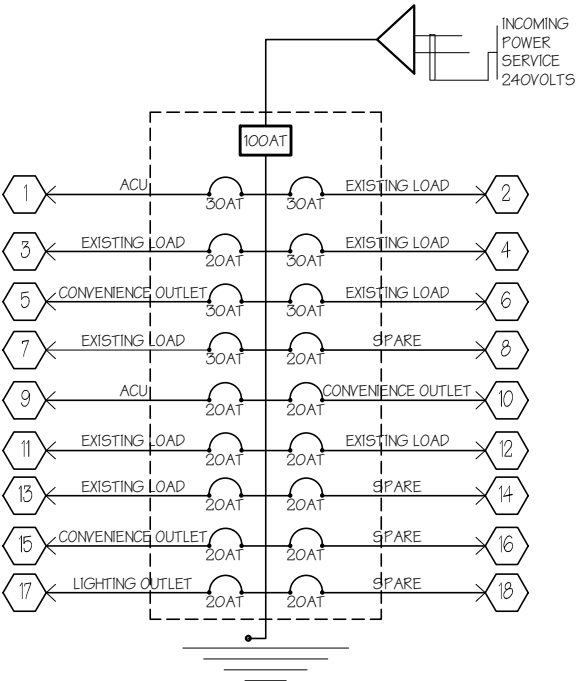
8.NO REVISION IN THE DESIGN SHALL BE DONE WITHOUT THE PRIOR KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER, ANY SUCH REVISIONS DONE WITHOUT APPROVAL SHALL BE CAUSE RESPONSIBILITY OF THE DESIGNER TO CEASE THE WHOLE.

9. MOUNTING SHALL BE AS FOLLOWS:

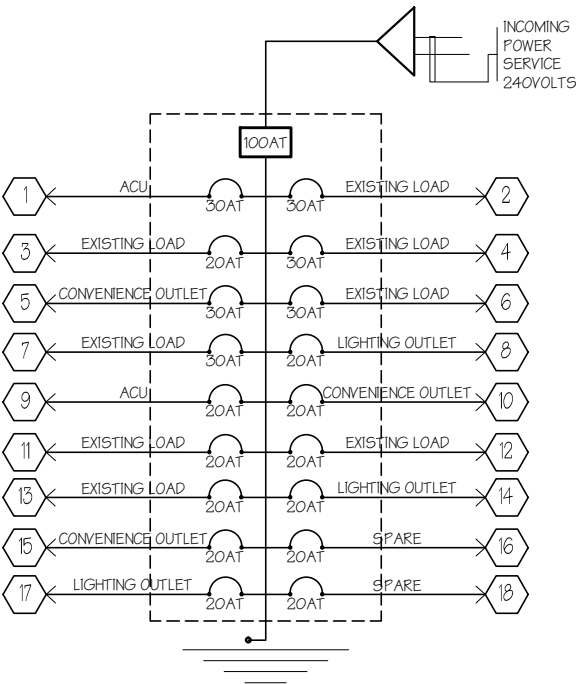
- LIGHTING SWICHES SHALL BE 1.40 METERS ABOVE FINISH FLOOR LINE.
- CONVENIENCE OUTLETS SHALL BE 0.30 METERS ABOVE FINISH FLOOR LINE.
- TABLE OUTLETS SHALL BE 0.15 METERS ABOVE COUNTER ON THE CENTER.
- CABINET PANELBOARD SHALL BE 1.40 METER ABOVE FLOOR FINISH UNLESS OTHERWISE DIRECTED.

PBBD BUILDING (Ground Floor)												
PANELBOARD 5 (Existing)												
CKT NO.	LOAD DESCRIPTION	NO. OF OUTLETS	Voltage	Volt Ampere	AMP. CKT.	Phase Current			CURRENT		SIZE OF WIRE	
						AB	BC	CA	AT	AF	mm²	Type
1	ACU (stockroom)		230	2760	12.00	12.00			30	50	2-5.5	THHN
2	Existing load		230		0.00	0.00			30	50	2-5.5	THHN
3	Existing load		230		0.00		0.00		20	50	2-5.5	THHN
4	Existing load		230		0.00		0.00		30	50	2-5.5	THHN
5	C.O. (seed counter)		230	1800	7.83			7.83	30	50	2-5.5	THHN
6	Existing load		230		0.00			0.00	30	50	2-5.5	THHN
7	Existing load		230		0.00	0.00			30	50	2-5.5	THHN
8	Spare		230		0.00	0.00			30	50		
9	ACU (stockroom)		230	2760	12.00		12.00		20	50	2-5.5	THHN
10	C.o. (Room 1)		230	2160	9.39		9.39		20	50	2-5.5	THHN
11	Existing load		230		0.00			0.00	20	50	2-5.5	THHN
12	Existing load		230		0.00			0.00	20	50	2-5.5	THHN
13	Existing load		230		0.00	0.00			20	50	2-5.5	THHN
14	Spare		230		0.00				20	50		
15	C.O. (Stockroom)		230	720	3.13		3.13		20	50	2-5.5	THHN
16	Spare		230		0.00		0.00		20	50		THHN
17	L.O. (Stockroom)		230	400	1.74			1.74	20	50	2-5.5	THHN
18	Spare		230		0.00			0.00	20	50		
For Feeder Conductor = 3 - 22mm² THHN cu.wire in 50mm PVC Pipe												
For Feeder Protection = Use 100AT, 100AF, 3Phase 230V, 60Hz, MCCB Bolt on Type												

PBBD BUILDING (Ground Floor)												
PANELBOARD 5 (Proposed)												
CKT NO.	LOAD DESCRIPTION	NO. OF OUTLETS	Voltage	Volt Ampere	AMP. CKT.	Phase Current			CURRENT		SIZE OF WIRE	
						AB	BC	CA	AT	AF	mm²	Type
1	ACU (stockroom)		230	2760	12.00	12.00			30	50	2-5.5	THHN
2	Existing load		230		0.00	0.00			30	50	2-5.5	THHN
3	Existing load		230		0.00		0.00		20	50	2-5.5	THHN
4	Existing load		230		0.00		0.00		30	50	2-5.5	THHN
5	C.O. (seed counter)		230	1800	7.83			7.83	30	50	2-5.5	THHN
6	Existing load		230		0.00			0.00	30	50	2-5.5	THHN
7	Existing load		230		0.00	0.00			30	50	2-5.5	THHN
8	Lighting Outlet	13	230	1300	5.65	5.65			30	50	2.2.0	THHN
9	ACU (stockroom)		230	2760	12.00		12.00		20	50	2-5.5	THHN
10	C.o. (Room 1)		230	2160	9.39		9.39		20	50	2-5.5	THHN
11	Existing load		230		0.00			0.00	20	50	2-5.5	THHN
12	Existing load		230		0.00			0.00	20	50	2-5.5	THHN
13	Existing load		230		0.00	0.00			20	50	2-5.5	THHN
14	Lighting Outlet	14	230	1400	6.09	6.09			20	50	2.2.0	THHN
15	C.O. (Stockroom)		230	720	3.13		3.13		20	50	2-5.5	THHN
16	Spare		230		0.00		0.00		20	50		THHN
17	L.O. (Stockroom)		230	400	1.74			1.74	20	50	2-5.5	THHN
18	Spare		230		0.00			0.00	20	50		
For Feeder Conductor = 3 - 22mm² THHN cu.wire in 50mm PVC Pipe												
For Feeder Protection = Use 100AT, 100AF, 3Phase 230V, 60Hz, MCCB Bolt on Type												



PANELBOARD 5 (EXISTING)



PANELBOARD 5 (PROPOSED)