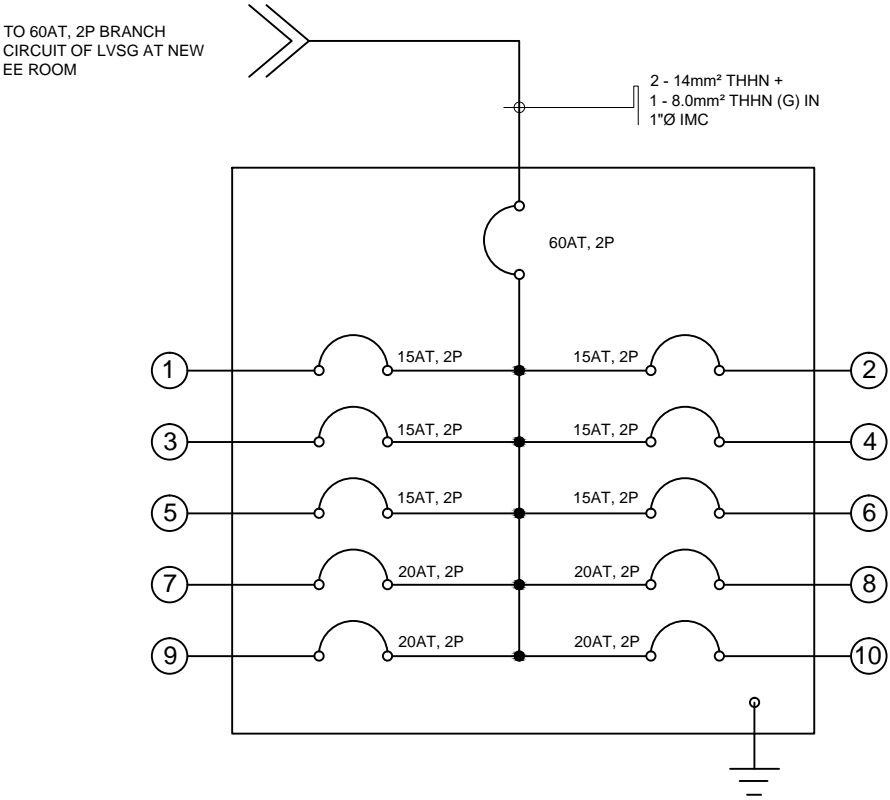
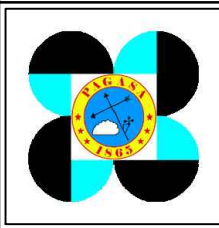


LIGHT CONTROL PANEL								
CKT NO.	LOAD DESCRIPTION	VA	V	A	SIZE OF WIRE AND CONDUIT	CB RATING		
						AT	AF	P
1	5 - 50W STREET LIGHTS (SET A)	250	230	1.09	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN (G) in 1/2"Ø PVC PIPE	15	60	2
2	7 - 50W STREET LIGHTS (SET B)	350	230	1.52	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN (G) in 1/2"Ø PVC PIPE	15	60	2
3	7 - 50W STREET LIGHTS (SET C)	350	230	1.52	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN (G) in 1/2"Ø PVC PIPE	15	60	2
4	4 - 50W STREET LIGHTS (SET D)	200	230	0.87	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN (G) in 1/2"Ø PVC PIPE	15	60	2
5	5 - 50W STREET LIGHTS (SET E)	250	230	1.09	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN (G) in 1/2"Ø PVC PIPE	15	60	2
6	7 - 50W STREET LIGHTS (SET F)	350	230	1.52	2 - 3.5mm ² THHN + 1 - 2.0mm ² THHN (G) in 1/2"Ø PVC PIPE	15	60	2
7	SPARE ; 1.5kW	1500	230	6.52		20	60	2
8	SPARE ; 1.5kW	1500	230	6.52		20	60	2
9	SPARE ; 1.5kW	1500	230	6.52		20	60	2
10	SPARE ; 1.5kW	1500	230	6.52		20	60	2
TOTAL				33.70				
IT = 33.70 x 100 D.F x 1.25 = 42.13 A								
MAIN CIRCUIT BREAKER : 60AT, 60AF, 230V, 1Ø, 25 KAIC BOLT-ON								
MAIN FEEDER WIRE : 2 - 14mm ² THHN + 1 - 8.0mm ² THHN (G) in 1"Ø IMC								

○ SCHEDULE OF LOADS



○ RISER DIAGRAM



TITLE:	SHEET NO.:	DRAWN BY:	CHECKED BY:	VERIFIED BY:	NOTED BY:	RECOMMENDING APPROVAL	APPROVAL:
SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF STREET LIGHTS	E/1	CHRISTOPHER DAVE N. SABADO J.O, METTSS, ETSD	DIOSDADO S. ORNUM WFS III, METTSS, ETSD	JESSEI B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA for AES	VICENTE B. MALANO ADMINISTRATOR
LOCATION: WFFC COMPOUND	ELECTRICAL						