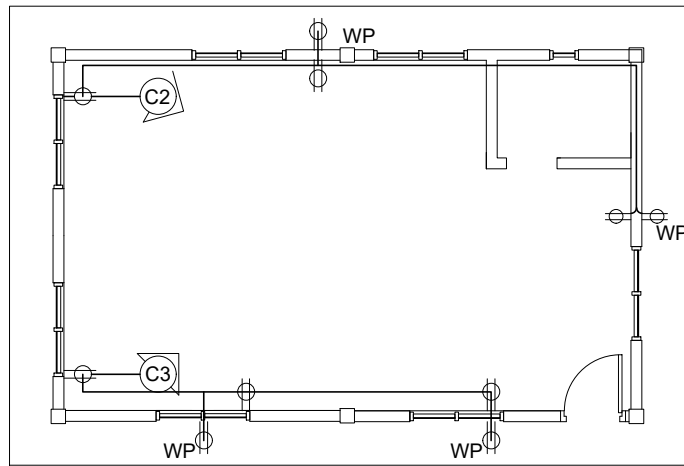
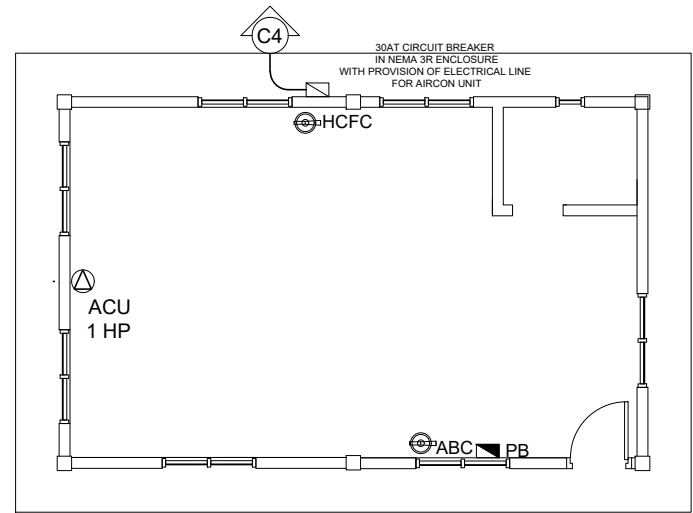


1 LIGHTING LAYOUT  
E1 SCALE 1:100 MTS



2 POWER LAYOUT  
E1 SCALE 1:100 MTS



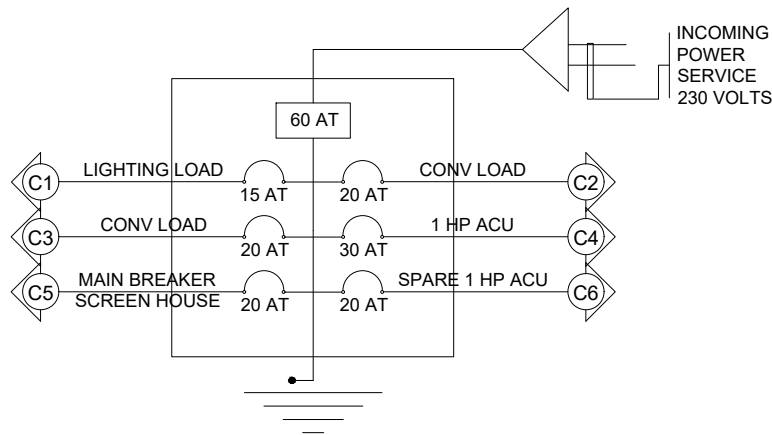
2 ACU & FIRE EXTINGUISHER LAYOUT  
E1 SCALE 1:100 MTS

CKT NO.	LOAD DESCRIPTION	VOLTS	TOTAL VA	AMP/CKT	CKT PROTECTION		SIZE OF WIRE		CONDUIT SIZE	
					AT	AF	TYPE	mm	TYPE	mm
1	11 LIGHTING OUTLET	230	1100	4.78	15	50	THHN	2 - 2.0	PVC/EMT	20
2	5 CONVENIENCE OUTLET	230	1800	7.83	20	50	THHN	2 - 3.5	PVC/EMT	20
3	5 CONVENIENCE OUTLET	230	900	7.83	20	50	THHN	2 - 3.5	PVC/EMT	20
4	ACU 1 HP	230		8.00	20	50	THHN	2 - 3.5	PVC/EMT	20
5	MAIN BREAKER SCREENHOUSE	230		11.48	30	50	THHN	2 - 5.5	PVC/EMT	25
6	SPARE ACU 1 HP	230		8.00	20	50	THHN	2 - 3.5	PVC/EMT	20

47.91

Line Current	=	47.91 A
For Feeder Conductor	=	1.25 x 47.91 A = 59.89 A
		Use 2 - 14.0 mm THHN cu.wire in 32mm PVC Pipe
For Feeder Protection		Use 60AT 100AF SINGLE PHASE 230V 60Hz MCCB, BOLT TYPE THERMAL MAGNETIC IN NEMA 3R ENCLOSURE, GAUGE #16

4 LOAD COMPUTATION  
E1 SCALE NTS



5 PANEL BOARD  
E1 SCALE NTS

18 Watts LED Tube (1.2 meter)
15watts LED bulb in E27 receptacle
2 gang Convenience Outlet Universal with ground
WEATHER PROOF 2 gang Convenience Outlet Universal with ground
SINGLE GANG SWITCH
TWO GANG SWITCH
Circuit Breaker for Aircon
EMERGENCY LIGHT (Twin Head)
FIRE EXTINGUISHER (10LBS) DRY CHEM
FIRE EXTINGUISHER (10LBS) DRY CHEM
PANEL BOARD

6 LEGEND  
E1 SCALE NTS