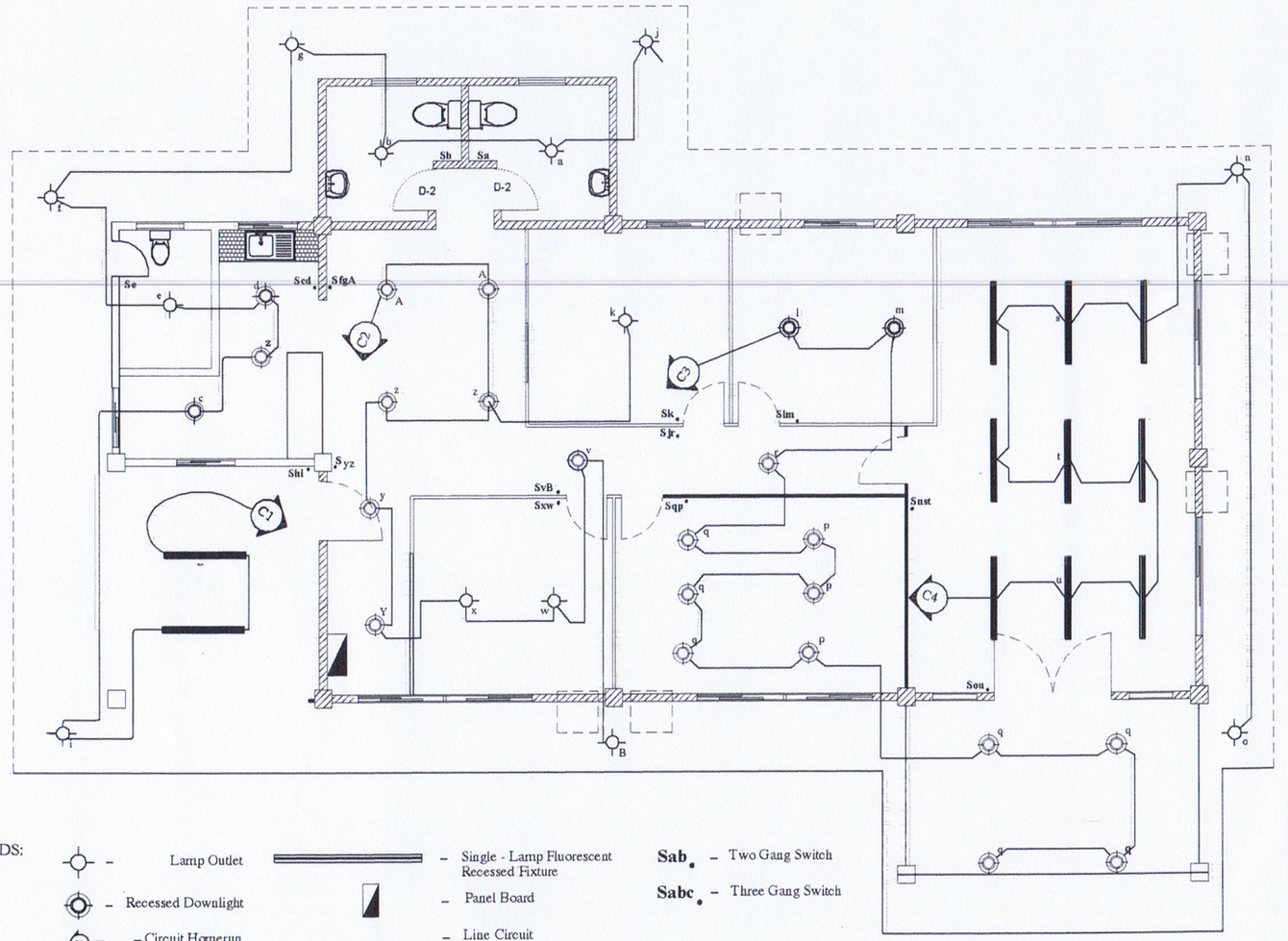


LEGENDS:

- Lamp Outlet
- Recessed Downlight
- Circuit Homerun
- Single - Lamp Fluorescent Recessed Fixture
- Panel Board
- Line Circuit
- Sab – Two Gang Switch
- Sabc – Three Gang Switch

SCHEDULE OF LOADS:

CKT. NO.	DESCRIPTION	WATTS	VOLTS	AMPS	ACB RATING	SIZE OF WIRE	SIZE OF PIPE
1	12 LIGHTING OUTLET	1200	230	5.21	15	2-#14 AWG, THW	20MMØ PVC PIPE
2	11 LIGHTING OUTLET	1100		4.78	15	2-#14 AWG, THW	
3	11 LIGHTING OUTLET	1100		4.78	15	2-#14 AWG, THW	
4	13 LIGHTING OUTLET	1300		5.65	15	2-#14 AWG, THW	
5	7 CONVENIENCE OUTLET	2520		10.95	20	2-#12 AWG, THW	
6	6 CONVENIENCE OUTLET	2160		9.39	20	2-#12 AWG, THW	
7	5 CONVENIENCE OUTLET	1800		8.81	20	2-#12 AWG, THW	
8	1HP ACU	1760		8.0	30	2-#12 AWG, THW	
9	1HP ACU	1760		7.65	30	2-#12 AWG, THW	
10	1HP ACU	1760		7.65	30	2-#12 AWG, THW	
11	2HP ACU	2640		11.47	30	2-#10 AWG, THW	
12	2HP ACU	2640		11.47	30	2-#10 AWG, THW	
13	SPARE						
14	SPARE						

USE: 100 AMP. 2 POLE, 240-VOLT FOR MAIN CIRCUIT BREAKER

COMPUTATION:

1. GEN. LIGHTING LOAD — 4700 W
2. SMALL APPLIANCE LOAD — 1500 W
3. OTHER LOAD:
   1- ELECTRIC STOVE — 1000 W
4. ADD LOAD CURRENT : — 11480 W
   APPLYING DEMAND FACTOR
   1ST 10,000W @ 100% — OF 10,000 W
   REMAINDER: 2,180 W X 40% — OF 872 W
5. AIRCON LOAD:
   1- 2 HP ACU — 3840 W
   4- 1 HP ACU — 7040 W
   — 21,752 W
6. TOTAL COMPUTED CURRENT
   21, 752 W / 230 V — 94.57 AMP
7. FOR SERVICE ENTRANCE
   USE 2-32 mm² THHN CU. WIRE
   IN 32MMØ RSC PIPE

NOTES AND SPECIFICATION

1. ALL ELECTRICAL HEREIN SHALL CONFORM TO THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE AND THE RULES AND REGULATIONS OF THE LOCAL UTILITY COMPANY.
2. ALL ELECTRICAL MATERIALS SHALL BE NEW AND OF APPROVED TYPE.
3. UNLESS OTHERVISE SPECIFIED, MINIMUM SIZE OF WIRE AND PIPE SHALL BE 2.0MM SQ. THW STRD. COPPER ENCLOSED IN 15MMØ FLEXIBLE CONDUIT RESPECTIVELY.
4. MOUNTED HEIGHT: FROM FIN.FLOOR LINE TO CENTER OF DEVICE.
   - LIGHT SWITCH : 1.35 M
   - CONVENIENCE OUTLET : 0.30 M
   - PANEL BOARD : 1.60 M
5. ALL CONVENIENCE OUTLET USE 3 WIRE SYSTEM, ALL GROUND WIRE WILL BE COLOR CODED AS GREEN.
6. ALL WORKS SHALL BE UNDER THE DIRECT SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER OR A LICENSED MASTER ELECTRICIAN.

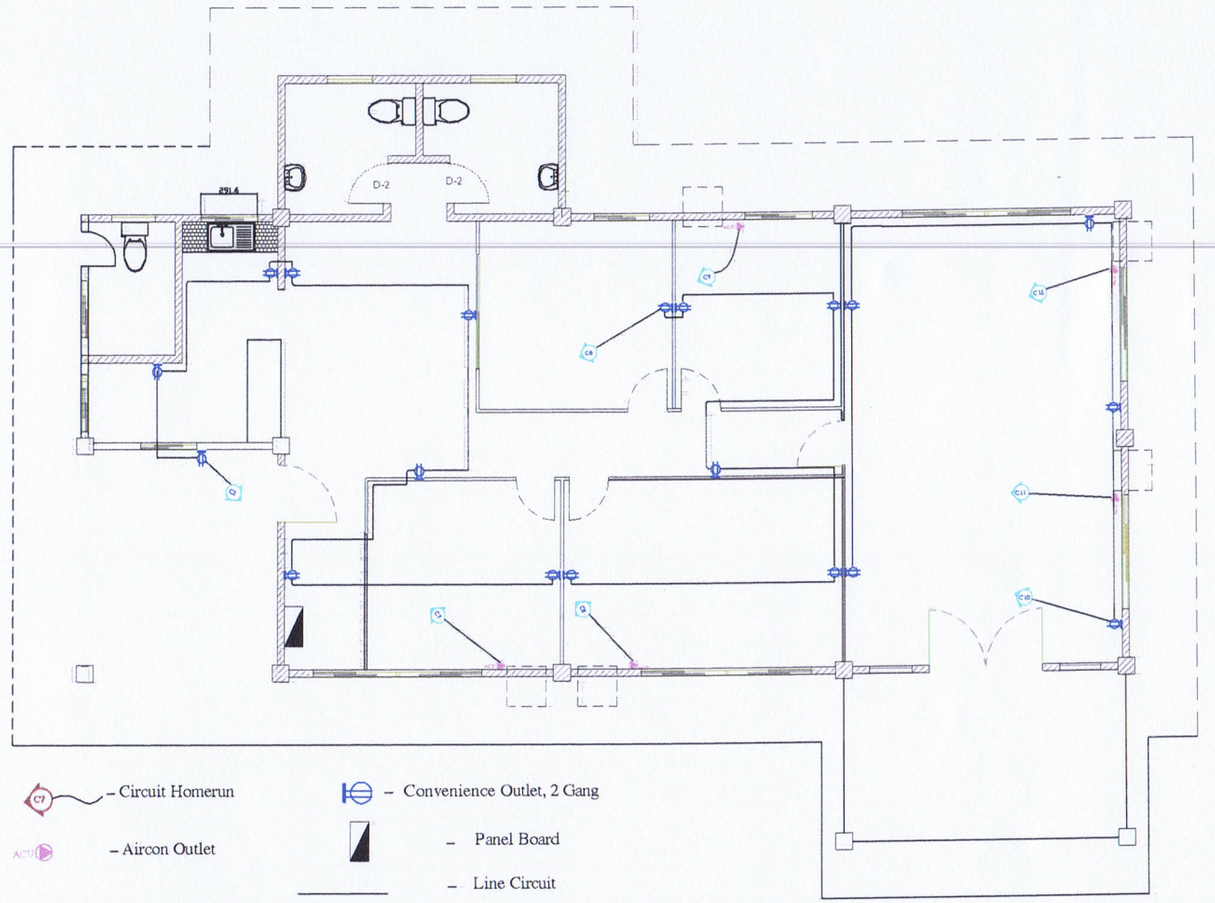
LIGTHING OUTLET LAY-OUT PLAN

PHILIPPINE PORTS AUTHORITY

PROJECT TITLE :
REPAIR OF PASSENGER TERMINAL/ADMIN. BUILDING OF TMO-SULTAN KUDARAT

LOCATION :
PORT OF KALAMANSIG
KALAMANSIG, SULTAN KUDARAT

DRAWN BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DATE :
RODSKY BUTCH P. RAGORO Draftsman	SOLLITO C. ROSALES Construction Foreman A	BELTAZAR L. GELLA Acting ESD MANAGER	ASTERIO C. GALLARDO JR. Acting Port manager	7/8



CON. OUTLET LAY-OUT PLAN

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