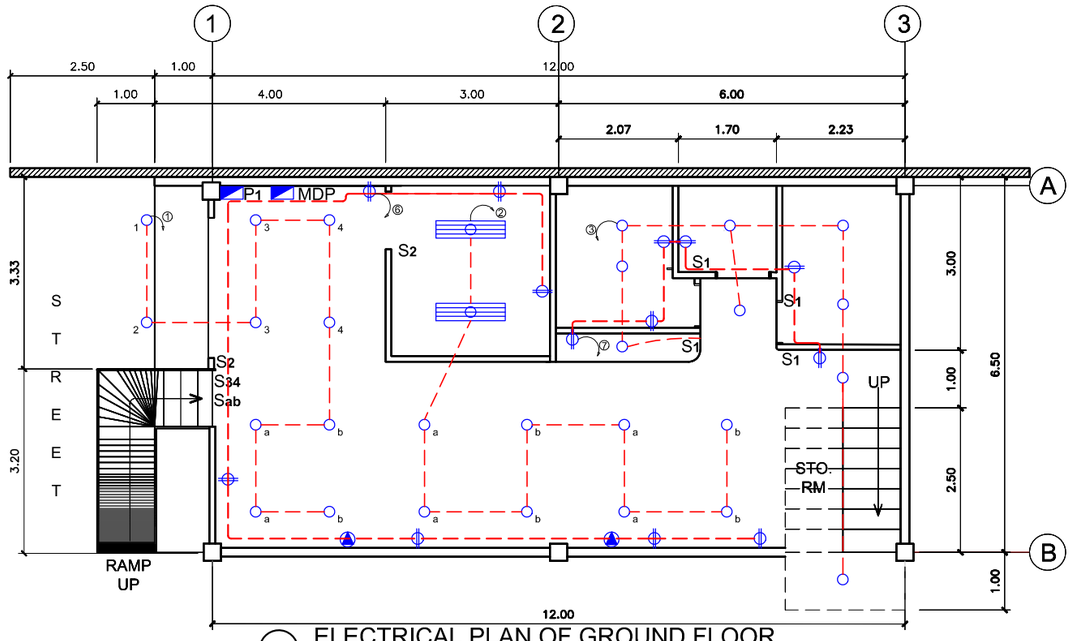
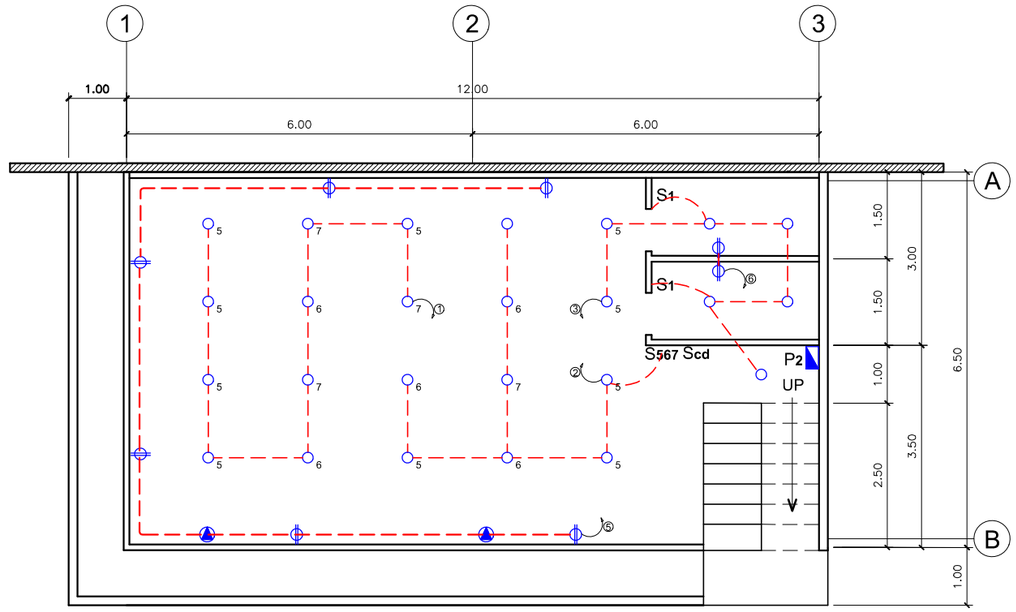
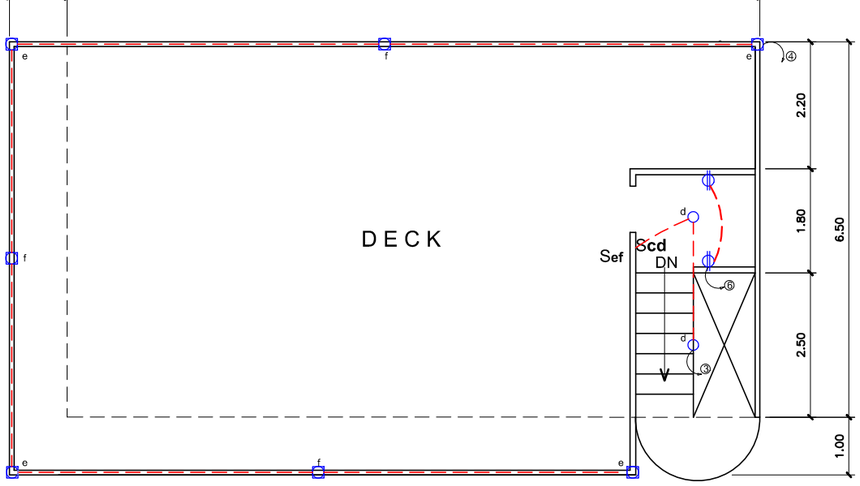


ELECTRICAL PLAN OF GROUND FLOOR
SCALE 1: 100m



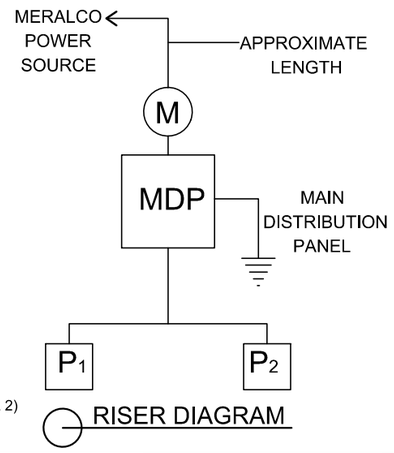
ELECTRICAL PLAN OF SECOND FLOOR
SCALE 1: 100m



ELECTRICAL PLAN OF ROOF DECK PLAN
SCALE 1:100

LEGEND:

- T5 Surface Type Flourescent Lighting (2 X 28 watts)
- 8" Ø Downlight Round Surface, Surface Type
- MDP - Main Distribution Panel
- 1 x 40 AMGLOBE
- Circuit Home Run
- S3 - Three Gang Switch, Illuminated Wide Series
- S2 - Two Gang Switch, Illuminated Wide Series
- S1 - One Gang Switch, Illuminated Wide Series
- Duplex Convenience Outlet
- ACU



RISER DIAGRAM

NOTE:

- LOCATION OF MAIN SERVICE ENTRANCE (MERALCO METER BASE) - SUBJECT FOR MERALCO'S APPROVAL DURING IMPLEMENTATION.
- APPROXIMATE LINEAR LENGTH FROM MAIN DISTRIBUTION PANEL (PTB) TO MERALCO LINE IS 126.00 l.m.
- Provide : 2 SETS -.10 x 0.15 x 0.40m PULL BOX (FOR PANELS 1 & 2)
  1 SET- 0.10 x 0.15 x 0.20m PULL BOX (FOR MDP)

GROUND FLOOR :PANEL1

CKT NO.	DESCRIPTION	VOLTS	VA	AMP	CIRCUIT PROTECTION	SIZE OF WIRE	SIZE OF CONDUIT
1	1 x 40 WATTS LIGHTING FIXTURE - 10 SETS	220	1000	4.55	20 A	2.0mm² THHN STRANDED COPPER WIRE	15 mmØ PVC
2	2 x 40 WATTS LIGHTING FIXTURE • 2 SETS 1 x 40 WATTS LIGHTING FIXTURE - 8 SETS 1 x 20 WATTS LIGHTING FIXTURE • 2 SETS		1000	4.55	20 A	3.5mm² THHN STRANDED COPPER WIRE	
3	1 x 20 WATTS LIGHTING FIXTURE - 12 SETS		900	4.09	20 A	3.5mm² THHN STRANDED COPPER WIRE	
4	1 x 20 WATTS LIGHTING FIXTURE - 13 SETS (WALKWAY		1000	4.55	20 A	3.5mm² THHN STRANDED COPPER WIRE	
5	1 x20 WATTS LIGHTING FIXTURE - 13 SETS (WALKWAY		1000	4.55	20 A	3.5mm² THHN STRANDED COPPER WIRE	
6	8 SETS - DUPLEX C.O.		1600	7.27	20 A	3.5mm² THHN STRANDED COPPER WIRE	
7	8 SETS - DUPLEX C.O.		1600	7.27	20 A	3.5mm² THHN STRANDED COPPER WIRE	
8	ACU OUTLET (SPLIT TYPE)		7000	31.81	60 A	8.0mm² THHN STRANDED COPPER WIRE	1 ¼"Ø (20mmØ) PVC
9	ACU OUTLET (SPLIT TYPE)		7000	31.81	60 A	8.0mm² THHN STRANDED COPPER WIRE	1 ¼"Ø (20mmØ) PVC
10	SPARE						
			22100	100.45	150 AT, 1 Ø	38mm² THHN STRANDED COPPER WIRE (#1 AWG)	1 ½ Ø (40mmØ) PVC

SECOND FLOOR :PANEL2

CKT NO.	DESCRIPTION	VOLTS	VA	AMP	CIRCUIT PROTECTION	SIZE OF WIRE	SIZE OF CONDUIT
1	1 x 40 WATTS LIGHTING FIXTURES - 10 SETS	220	1000	4.54	20 AT, 1 Ø	3.5 mm²Ø THHN STRANDED COPPER WIRE	15mmØ PVC
2	1 x 40 WATTS LIGHTING FIXTURES - 8 SETS		800	3.64	20 AT, 1 Ø	3.5 mm²Ø THHN STRANDED COPPER WIRE	
3	1 x 40 WATTS LIGHTHING FIXTURES - 4 SETS 1 x 40 WATTS LIGHTING FIXTURES - 6 SETS		1000	4.54	20 AT, 1 Ø	3.5 mm²Ø THHN STRANDED COPPER WIRE	
4	1 x 40 WATTS AMGLOBE LIGHTING (BASE TYPE)		700	3.18	20 AT, 1 Ø	3.5 mm²Ø THHN STRANDED COPPER WIRE	
5	6 SETS - C.O. OUTLET		1200	5.45	20 AT, 1 Ø	3.5 mm²Ø THHN STRANDED COPPER WIRE	
6	4 SETS - C.O. OUTLET		800	3.64	20 AT, 1 Ø	3.5 mm²Ø THHN STRANDED COPPER WIRE	
7	ACU , 2 TONER (SPLIT TYPE)		7000	31.81	60 AT, 3Ø	8.0mm²Ø THHN STRANDED COPPER WIRE	¾" Ø PVC
8	ACU , 2 TONER (SPLIT TYPE)		7000	31.81	60 AT, 3Ø	8.0mm²Ø THHN STRANDED COPPER WIRE	¾" Ø PVC
			19,500	88.64	150 AT, 1Ø	38 mm²Ø THHN STRANDED COPPER WIRE	1 ½ Ø (40mm) PVC

MAIN PANEL (MP)	VOLTS	VA	AMP	CIRCUIT PROTECTION	SIZE OF WIRE	SIZE OF CONDUIT
1. PANEL 1	220	22100	100.45	150 AT, 1Ø	38mm² Ø THHN STRANDED COPPERWIRE	1 ½"Ø PVC
2. PANEL 2		19500	88.64	150 AT, 1Ø	38mm² Ø THHN STRANDED COPPERWIRE	1 ½"Ø PVC
3.ACU 2 hp TICKETING BOOTH		1492	6.78	30 AT, 1Ø	5.5mm² Ø THHN STRANDED COPPERWIRE	¾"Ø PVC
4. SPARE				30 AT, 1Ø		
MAIN		43,092	195.87	250 AT, 1Ø	125 mm² Ø THHN (250mm) COPPERWIRE	3"Ø (80mmØ) RSC PIPE

PHILIPPINE PORTS AUTHORITY
REAL ESTATE MANAGEMENT DIVISION
PMO NCR SOUTH

PROJECT TITLE: CONSTRUCTION OF TWO- STOREY PASSENGER TERMINAL BUILDING @ TMO-PASIG RIVER, SOUTH HARBOR, PORT AREA, MANILA

PREPARED BY:	CHECKED BY:	REVIEWED BY:	RECOMMENDED BY:	APPROVED BY:	SHEET NO.
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